



Building knowledge

Job Order Contract Construction Task Catalog®

Book 1 CSI Divisions 01 - 43 July 2019

Monterey County
Facilities



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About the CTC:

- ☑ This Construction Task Catalog® (CTC) was developed and customized by The Gordian Group, Inc. specifically for **Monterey County**, priced locally using current labor, material and equipment costs, and published in July 2019.
- ☑ The Gordian Group, Inc. licenses the use of this CTC and other proprietary information and software for the sole purpose of providing Job Order Contracting services to **Monterey County**. Use of this CTC and other proprietary information and software for any other purpose, or for any other entity, is expressly prohibited without the express written consent of The Gordian Group, Inc.

MasterFormat™

- ☑ The tasks in this Construction Task Catalog are organized using CSI's *MasterFormat*.



The Unit Prices Include:

LABOR COSTS:

- ☑ Labor costs include direct labor through the working foreperson level at straight-time prevailing wage rates including fringe benefits and an allowance for Social Security, Medicare taxes, worker's compensation, unemployment insurance, and employee benefits.
- ☑ Labor costs include unloading equipment, materials, and tools, and transporting the same up or down 2 1/2 stories and 125' to reach the project site; layout; measuring and cutting to fit; performing the task; disposal of excess material; and time for lunch and breaks.

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EQUIPMENT COSTS:

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

MATERIAL COSTS:

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

The Adjustment Factors Include:

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

BUSINESS COSTS:

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

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

PROJECT RELATED COSTS:

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

sleet or snow. Costs resulting from inadequate supply of building materials, fuel, electricity, or skilled labor.

- Daily clean-up.
- Final professional clean-up.

PRICE VARIATIONS:

- Contractors may experience direct costs that are different than the unit prices set forth in the Construction Task Catalog. While diligent effort was made to provide accurate, unit prices, it is the Contractor's responsibility to review and analyze the unit prices, and to calculate, prior to bidding, the Adjustment Factors accordingly.

SUMMARY:

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

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

General Rules:

- Unit prices are for complete and in-place construction and include all labor, equipment and material required to complete the task as described in the CTC.
- If the Contractor uses a crane or other lifting equipment (except a truck mounted boom lift or other equipment as part of the delivery process) to lift material onto a roof, even if that roof is less than

2 ½ stories, the contractor will be paid for such crane or lifting equipment as a separate task.

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

DEMOLITION:

- ☑ Unit prices for demolition include all labor, equipment and material required for the complete removal of the items; clean-up of the area; and transporting the demolished items up or down 2 ½ stories into a truck, dumpster, or to an owner

designated area, located within 125' of the project site.

- ☑ Unit prices for demolition exclude costs for hauling (See 01741900), dump fees (See 01741900), dumpsters (See 01741900), and trash chutes (See 01741900).
- ☑ If the item being demolished is attached to another item being removed and can be removed as one item, then that item shall not be priced as a separate demolition task, unless the component alone must be demolished to accomplish the task (e.g. demolition of pipe includes pipe fittings unless the fitting must be demolished separately to accomplish the task; demolition of a wood door includes hinges, hardware, closures, kick plates, etc.).
- ☑ The word "replace" includes removal of the existing item and installation of the new item.
- ☑ The words "remove and relocate" or "remove and reinstall" include removal, cleaning, and installation of the existing item in either the same location or another location.
- ☑ Salvageable materials are the property of the Owner and shall, if directed, be turned over to the Owner.

WORKING HEIGHT:

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

FIELD ENGINEERING:

- ☑ Surveying tasks shall be used only when the Owner requests the Contractor to perform topographic surveys, property line surveys or to establish horizontal and vertical control points. If the Owner provides horizontal and vertical control points within or adjacent to the project site, all other surveying

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required to complete the work shall be considered construction staking or layout, and the cost thereof is included in the appropriate tasks.

equipment, spare parts, services, and work required by a Technical Specification shall be considered included in the unit price, unless the task description states otherwise.

ASSEMBLIES:

- Assembly tasks take precedence over individual component tasks.

RESTRICTED AND CONFINED SPACES:

- Restricted Working Space is defined as any area with less than 3' vertical or horizontal clearance and includes areas such as crawl spaces, ceiling plenums where the grid is not removed, narrow piping tunnels, and equipment rooms where the space to install the new work is congested as a result of equipment and piping placement that meet these dimensional restrictions. A Restricted Working Space modifier is available for certain mechanical piping and piping accessories tasks and for certain electrical conduit and conduit accessories tasks. Only those tasks with a modifier for Restricted Working Space are eligible for a price adjustment, and then only if the modifier applies to the contemplated tasks. A non pre-priced task will not be allowed because of Restricted Working Space for any CTC task.
- Confined Working Space is defined according to the OSHA definition 29 CFR 1926.21(b)(6)(i): "Any space having limited means of egress, which is subject to accumulation of toxic or flammable contaminants or has an oxygen deficient atmosphere, including, but not limited to, storage tanks, process vessels, bins, boilers, ventilation and exhaust duct, sewers, underground vaults, tunnels, pipelines and open top spaces more than 4 feet in depth such as pits and tubs." The Contractor shall conform to all OSHA and Owner requirements for working in Confined Working Spaces. Required ventilation and air monitoring equipment tasks shall be priced from the CTC.

TECHNICAL SPECIFICATIONS:

- Technical Specifications for tasks shall be interpreted as follows: All labor, material,

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Or Equals:

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

Useful Information:

UNIT OF MEASURE DEFINITIONS:

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

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

Clay	3220	2150	3570
Gneiss	4550	2720	3180

BULK FACTORS FOR DEMOLITION:

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

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

CONVERSIONS:

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

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

1 Centimeter = 0.3937 Inches = 0.0328 Feet

1 Cubic Foot = 0.03704 Cubic Yards = 0.02832 Cubic Meters

1 Cubic Meter = 1.3080 Cubic Yards = 35.3147 Cubic Feet

1 Cubic Yard = 27 Cubic Feet = 0.7646 Cubic Meters

1 Foot = 12 Inches = 0.3048 Meters

1 Inch = 2.54 Centimeters = 0.0254 Meters

1 Kilogram = 2.2046 Pounds

1 Kilometer = 0.6214 Miles = 3280 Feet

1 Meter = 100 Centimeters = 3.2808 Feet

1 Mile = 5280 Feet = 1.6093 Kilometers

1 Pound = 0.4536 Kilograms

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

1 Square Meter = 1.1960 Square Yards = 10.7639 Square Feet

1 Square Yard = 9 Square Feet = 0.8361 Square Meters

MATERIAL WEIGHTS:

EARTHEN MATERIAL

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

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

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1 Ton = 2000 Pounds = 907.185 Kilograms

1 Yard = 3 Feet = 0.9144 Meters

TRADEMARKS

- ☑ Gordian JOC Solution, JOC Complete Solution, JOC Complete Solution Plus, PROGEN, eGordian, ezIQ, Construction Task Catalog, Catalog of Construction Tasks, DMAP, The Standard for Job Order Contracting and 6 Phase Development and Implementation Process are either registered trademarks or trademarks of The Gordian Group, Inc. The names of actual companies and products mentioned herein may be the trademarks of their respective owners.

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

STANDARD GEOMETRY:

Circle

- Circumference = $2 \pi \text{ radius} = \pi \text{ diameter}$
- Area = $\pi \text{ radius}^2 = \pi (\text{diameter}^2 / 4)$

Cylinder

- Volume = $(\pi \text{ radius}^2) \text{height}$
- Surface Area = $2 \pi \text{ radius}^2 + (2 \pi \text{ radius}) \text{height}$

Sphere

- Volume = $(4 \pi \text{ radius}^3) / 3$
- Surface Area = $4 \pi \text{ radius}^2$

$\pi = 3.14159$

United Inch

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 General Requirements

01 20 Price And Payment Procedures ⁽⁰¹⁾

01 22 Unit Prices ^(01 20)

Note: Provide digital copies of photographs.

01 22 16 Unit Price Payment ^(01 22)

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

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

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

01 22 20 Wage Rates ^(01 22)

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

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

01 22 20 00-0002	HR	Asbestos Removal Worker.....	60.76
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreman, Add	3.04
		For Apprentice, Deduct	-12.15
01 22 20 00-0003	HR	Insulator.....	91.71
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreman, Add	4.59
		For Apprentice, Deduct	-18.34
01 22 20 00-0004	HR	Boilermaker.....	100.51
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreman, Add	5.03
		For Apprentice, Deduct	-20.10
01 22 20 00-0005	HR	Brick Layer.....	85.69
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreman, Add	4.28
		For Apprentice, Deduct	-17.14
01 22 20 00-0006	HR	Carpenter.....	95.87
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreman, Add	4.79
		For Apprentice, Deduct	-19.17
01 22 20 00-0007	HR	Carpet, Linoleum.....	100.02
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreman, Add	5.00
		For Apprentice, Deduct	-20.00
01 22 20 00-0008	HR	Cement Mason.....	72.05
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreman, Add	3.60
		For Apprentice, Deduct	-14.41
01 22 20 00-0009	HR	Drywall Finisher.....	89.00
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreman, Add	4.45
		For Apprentice, Deduct	-17.80
01 22 20 00-0010	HR	Electrician.....	96.22
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreman, Add	4.81
		For Apprentice, Deduct	-19.24
01 22 20 00-0011	HR	Equipment Operator, Crane (Group 1-A).....	96.43
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
01 22 20 00-0012	HR	Equipment Operator, Crane (Group 2-A).....	92.07
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreman, Add	4.60
		For Apprentice, Deduct	-18.41
01 22 20 00-0013	HR	Equipment Operator, Crane (Group 3-A).....	91.70
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
01 22 20 00-0014	HR	Equipment Operator, Medium (Group 3).....	91.59
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreman, Add	4.58
		For Apprentice, Deduct	-18.32
01 22 20 00-0015	HR	Equipment Operator, Medium (Group 4).....	89.85
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
01 22 20 00-0016	HR	Equipment Operator, Medium (Group 5).....	88.27
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
01 22 20 00-0017	HR	Equipment Operator, Light (Group 6).....	86.61
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreman, Add	4.33
		For Apprentice, Deduct	-17.32
01 22 20 00-0018	HR	Equipment Operator, Light (Group 7).....	85.18
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	

01	General Requirements
01 20	Price And Payment Procedures
01 22	Unit Prices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0019 HR Equipment Operator, Light (Group 8).....	83.77	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0020 HR Glazier	97.42	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	4.87	
For Apprentice, Deduct	-19.48	
01 22 20 00-0021 HR Laborer	69.81	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0022 HR Lather.....	86.76	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	4.34	
For Apprentice, Deduct	-17.35	
01 22 20 00-0023 HR Marble Setter	97.12	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	4.86	
For Apprentice, Deduct	-19.42	
01 22 20 00-0024 HR Millwright.....	91.55	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	4.58	
For Apprentice, Deduct	-18.31	
01 22 20 00-0025 HR Mold Removal Worker	73.45	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.67	
For Apprentice, Deduct	-14.69	
01 22 20 00-0026 HR Painter, Ordinary.....	83.65	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	4.18	
For Apprentice, Deduct	-16.73	
01 22 20 00-0027 HR Painter, Structural Steel.....	85.81	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	4.29	
For Apprentice, Deduct	-17.16	
01 22 20 00-0028 HR Paperhanger	85.04	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	4.25	
For Apprentice, Deduct	-17.01	
01 22 20 00-0029 HR Pile Drivers	101.25	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	5.06	
For Apprentice, Deduct	-20.25	
01 22 20 00-0030 HR Plasterer	89.00	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	4.45	
For Apprentice, Deduct	-17.80	
01 22 20 00-0031 HR Plumber	94.91	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	4.75	
For Apprentice, Deduct	-18.98	
01 22 20 00-0032 HR Powderman.....	73.21	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.66	
For Apprentice, Deduct	-14.64	
01 22 20 00-0033 HR Rodman (Reinforcing)/Ornamental Steel Worker.....	86.15	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	4.31	
For Apprentice, Deduct	-17.23	
01 22 20 00-0034 HR Roofer, Composite.....	88.10	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	4.41	
For Apprentice, Deduct	-17.62	
01 22 20 00-0035 HR Roofer, Metal	121.19	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	6.06	
For Apprentice, Deduct	-24.24	
01 22 20 00-0036 HR Roofer, Tile/Slate	88.10	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	4.41	
For Apprentice, Deduct	-17.62	
01 22 20 00-0037 HR Sheet Metal Worker	102.58	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	5.13	
For Apprentice, Deduct	-20.52	
01 22 20 00-0038 HR Sprinkler Installer	74.59	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.73	
For Apprentice, Deduct	-14.92	
01 22 20 00-0039 HR Steam / Pipe Fitter	91.93	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	4.60	
For Apprentice, Deduct	-18.39	
01 22 20 00-0040 HR Stone Mason.....	85.69	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	4.28	
For Apprentice, Deduct	-17.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0041 HR Iron Worker (Structural)	89.29	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	4.46	
For Apprentice, Deduct	-17.86	
01 22 20 00-0042 HR Tile Layer	80.72	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	4.04	
For Apprentice, Deduct	-16.14	
01 22 20 00-0043 HR Terrazzo Worker	86.73	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	4.34	
For Apprentice, Deduct	-17.35	
01 22 20 00-0044 HR Truck Driver, Light (Group 1)	73.82	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.69	
For Apprentice, Deduct	-14.76	
01 22 20 00-0045 HR Truck Driver, Medium (Group 2)	74.23	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0046 HR Truck Driver, Heavy (Group 3)	74.64	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.73	
For Apprentice, Deduct	-14.93	
01 22 20 00-0047 HR Truck Driver, Heavy (Group 4)	75.12	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0048 HR Class I Diver	187.00	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0049 HR Class III Diver Tender	115.92	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0050 HR D1 Certified Welder	95.01	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0051 Rates For Services (01 22 20)		
01 22 20 00-0052 HR Watchman/Guard, Unarmed	29.77	
01 22 20 00-0053 HR Watchman/Guard, Armed	36.94	
01 22 20 00-0054 HR Surveyor (Rod person)	89.18	
01 22 20 00-0055 HR Senior Surveyor (Party Chief)	98.06	
01 22 20 00-0056 HR Surveyor (Instrument person)	93.47	
01 22 20 00-0057 HR On-Site Certified Materials Testing Technician	83.72	
01 22 20 00-0058 HR Certified Industrial Hygienist	113.18	
01 22 20 00-0059 MI Mileage For Professional Services (Engineering, Surveying, Etcetera)	0.54	
Note: For use only when the Owner directs the contractor to use personnel whose base of operations is more than 100 miles from the site. Quantity shall be miles that exceed 100.		
01 22 20 00-0060 EA Security Badge, Processing Fee	49.74	
01 22 20 00-0061 HR Biologist	132.00	
01 22 20 00-0062 HR Ecologist	145.00	
01 22 20 00-0063 Rates For Architectural And Engineering Services (01 22 20)		
Note: For preparation of contract documents, structural and/or design drawings, special investigating requirements or services outside required architectural and engineering services.		
01 22 20 00-0064 HR Principal Architect	205.00	
01 22 20 00-0065 HR Senior Architect	180.00	
01 22 20 00-0066 HR Architect	136.88	
01 22 20 00-0067 HR Principal Engineer	205.00	
01 22 20 00-0068 HR Senior Engineer	154.38	
01 22 20 00-0069 HR Engineer	123.75	
01 22 20 00-0070 HR Draftsman	73.12	
01 22 20 00-0071 HR Project Manager	116.25	
01 22 20 00-0072 Rates For Traffic Control (01 22 20)		
01 22 20 00-0073 DAY Pilot Vehicle With Driver	852.80	
Note: Includes CB and radio, "Follow Me" sign, "Wait For Pilot Car" signs on barricades where required.		
01 22 20 00-0074 HR Flagperson For Traffic Control	69.81	
01 22 20 00-0075 Mobilize Equipment (01 22 20)		
01 22 20 00-0076 HR Escort Vehicle With Driver	78.48	
01 22 20 00-0077 HR Transport Vehicle With Driver	104.95	
01 22 23 Equipment Usage (01 22)		
Note: Includes fuel costs unless otherwise stated. These tasks shall be used for owned, leased or rented equipment. See CSI section 01 22 20 00-0072 for traffic control (where required), 01 71 13 00-0000 for equipment delivery, pickup, mobilization and demobilization.		
01 22 23 00-0001 Aerial Equipment (01 22 23)		
01 22 23 00-0002 Manlifts (01 22 23 00-0001)		
Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0003 Telescoping Boom Manlifts (01 22 23 00-0002)		



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 22 23 00-0004		Engine Powered, Telescoping Boom Manlifts (01 22 23 00-0003)	
Note: Diesel or dual fuel (gasoline or liquid propane gas). Two- or four-wheel drive. For use on unpaved or paved surfaces.			
01 22 23 00-0005	DAY	40' Engine Powered, Telescoping Boom Manlift.....	430.71
01 22 23 00-0006	WK	40' Engine Powered, Telescoping Boom Manlift.....	1,083.73
01 22 23 00-0007	MO	40' Engine Powered, Telescoping Boom Manlift.....	2,431.45
01 22 23 00-0008	DAY	60' Engine Powered, Telescoping Boom Manlift.....	632.18
01 22 23 00-0009	WK	60' Engine Powered, Telescoping Boom Manlift.....	1,507.50
01 22 23 00-0010	MO	60' Engine Powered, Telescoping Boom Manlift.....	3,299.82
01 22 23 00-0011	DAY	80' Engine Powered, Telescoping Boom Manlift.....	1,229.62
01 22 23 00-0012	WK	80' Engine Powered, Telescoping Boom Manlift.....	2,980.26
01 22 23 00-0013	MO	80' Engine Powered, Telescoping Boom Manlift.....	6,252.30
01 22 23 00-0014	DAY	110' Engine Powered, Telescoping Boom Manlift.....	1,750.64
01 22 23 00-0015	WK	110' Engine Powered, Telescoping Boom Manlift.....	4,215.44
01 22 23 00-0016	MO	110' Engine Powered, Telescoping Boom Manlift.....	10,503.86
01 22 23 00-0017	DAY	120' Engine Powered, Telescoping Boom Manlift.....	2,132.73
01 22 23 00-0018	WK	120' Engine Powered, Telescoping Boom Manlift.....	5,439.50
01 22 23 00-0019	MO	120' Engine Powered, Telescoping Boom Manlift.....	12,365.66
01 22 23 00-0020		Articulating (Up/Over) Boom Manlifts (01 22 23 00-0002)	
01 22 23 00-0021		Engine Powered, Articulating (Up/Over) Boom Manlifts (01 22 23 00-0020)	
Note: Diesel or dual fuel (gasoline or liquid propane gas). Two- or four-wheel drive. For use on unpaved or paved surfaces.			
01 22 23 00-0022	DAY	34' Engine Powered, Articulating (Up/Over) Boom Manlift.....	271.67
01 22 23 00-0023	WK	34' Engine Powered, Articulating (Up/Over) Boom Manlift.....	681.65
01 22 23 00-0024	MO	34' Engine Powered, Articulating (Up/Over) Boom Manlift.....	1,639.91
01 22 23 00-0025	DAY	45' Engine Powered, Articulating (Up/Over) Boom Manlift.....	345.76
01 22 23 00-0026	WK	45' Engine Powered, Articulating (Up/Over) Boom Manlift.....	755.74
01 22 23 00-0027	MO	45' Engine Powered, Articulating (Up/Over) Boom Manlift.....	1,876.02
01 22 23 00-0028	DAY	60' Engine Powered, Articulating (Up/Over) Boom Manlift.....	444.56
01 22 23 00-0029	WK	60' Engine Powered, Articulating (Up/Over) Boom Manlift.....	1,027.42
01 22 23 00-0030	MO	60' Engine Powered, Articulating (Up/Over) Boom Manlift.....	2,296.87
01 22 23 00-0031	DAY	80' Engine Powered, Articulating (Up/Over) Boom Manlift.....	775.50
01 22 23 00-0032	WK	80' Engine Powered, Articulating (Up/Over) Boom Manlift.....	1,827.62
01 22 23 00-0033	MO	80' Engine Powered, Articulating (Up/Over) Boom Manlift.....	4,444.56
01 22 23 00-0034	DAY	125' Engine Powered, Articulating (Up/Over) Boom Manlift.....	1,506.55
01 22 23 00-0035	WK	125' Engine Powered, Articulating (Up/Over) Boom Manlift.....	3,556.44
01 22 23 00-0036	MO	125' Engine Powered, Articulating (Up/Over) Boom Manlift.....	8,693.52
01 22 23 00-0037		Electric, Articulating (Up/Over) Boom Manlifts (01 22 23 00-0020)	
Note: For use on paved surfaces.			
01 22 23 00-0038	DAY	30' Electric, Articulating (Up/Over) Boom Manlift.....	271.67
01 22 23 00-0039	WK	30' Electric, Articulating (Up/Over) Boom Manlift.....	681.65
01 22 23 00-0040	MO	30' Electric, Articulating (Up/Over) Boom Manlift.....	1,639.91
01 22 23 00-0041	DAY	35' Electric, Articulating (Up/Over) Boom Manlift.....	271.67
01 22 23 00-0042	WK	35' Electric, Articulating (Up/Over) Boom Manlift.....	681.65
01 22 23 00-0043	MO	35' Electric, Articulating (Up/Over) Boom Manlift.....	1,639.91
01 22 23 00-0044	DAY	40' Electric, Articulating (Up/Over) Boom Manlift.....	335.89
01 22 23 00-0045	WK	40' Electric, Articulating (Up/Over) Boom Manlift.....	726.11
01 22 23 00-0046	MO	40' Electric, Articulating (Up/Over) Boom Manlift.....	1,802.92
01 22 23 00-0047	DAY	45' Electric, Articulating (Up/Over) Boom Manlift.....	335.89
01 22 23 00-0048	WK	45' Electric, Articulating (Up/Over) Boom Manlift.....	726.11
01 22 23 00-0049	MO	45' Electric, Articulating (Up/Over) Boom Manlift.....	1,802.92
01 22 23 00-0050		Platform Lifts (01 22 23 00-0001)	
Note: Excludes operator, delivery, set-up, and removal.			
01 22 23 00-0051		Electric, Scissor Platform Lifts (01 22 23 00-0050)	
Note: For use on paved surfaces.			
01 22 23 00-0052	DAY	17' Electric, Scissor Platform Lift.....	166.14
01 22 23 00-0053	WK	17' Electric, Scissor Platform Lift.....	332.29
01 22 23 00-0054	MO	17' Electric, Scissor Platform Lift.....	679.68
01 22 23 00-0055	DAY	20' Electric, Scissor Platform Lift.....	181.25
01 22 23 00-0056	WK	20' Electric, Scissor Platform Lift.....	362.50
01 22 23 00-0057	MO	20' Electric, Scissor Platform Lift.....	724.99
01 22 23 00-0058	DAY	25' Electric, Scissor Platform Lift.....	234.11
01 22 23 00-0059	WK	25' Electric, Scissor Platform Lift.....	468.22
01 22 23 00-0060	MO	25' Electric, Scissor Platform Lift.....	1,004.42
01 22 23 00-0061	DAY	30' Electric, Scissor Platform Lift.....	302.08
01 22 23 00-0062	WK	30' Electric, Scissor Platform Lift.....	596.61
01 22 23 00-0063	MO	30' Electric, Scissor Platform Lift.....	1,321.60
01 22 23 00-0064	DAY	33' Electric, Scissor Platform Lift.....	324.74
01 22 23 00-0065	WK	33' Electric, Scissor Platform Lift.....	634.37
01 22 23 00-0066	MO	33' Electric, Scissor Platform Lift.....	1,434.88
01 22 23 00-0067	DAY	40' Electric, Scissor Platform Lift.....	422.91
01 22 23 00-0068	WK	40' Electric, Scissor Platform Lift.....	1,049.73
01 22 23 00-0069	MO	40' Electric, Scissor Platform Lift.....	2,922.62



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0070

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

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

01 22 23 00-0071	DAY	25' Engine Powered, Scissor Platform Lift.....	339.84
01 22 23 00-0072	WK	25' Engine Powered, Scissor Platform Lift.....	664.58
01 22 23 00-0073	MO	25' Engine Powered, Scissor Platform Lift.....	1,623.68
01 22 23 00-0074	DAY	33' Engine Powered, Scissor Platform Lift.....	347.39
01 22 23 00-0075	WK	33' Engine Powered, Scissor Platform Lift.....	792.96
01 22 23 00-0076	MO	33' Engine Powered, Scissor Platform Lift.....	1,736.96
01 22 23 00-0077	DAY	40' Engine Powered, Scissor Platform Lift.....	385.15
01 22 23 00-0078	WK	40' Engine Powered, Scissor Platform Lift.....	883.58
01 22 23 00-0079	MO	40' Engine Powered, Scissor Platform Lift.....	1,963.52
01 22 23 00-0080	DAY	43' Engine Powered, Scissor Platform Lift.....	407.81
01 22 23 00-0081	WK	43' Engine Powered, Scissor Platform Lift.....	951.55
01 22 23 00-0082	MO	43' Engine Powered, Scissor Platform Lift.....	2,341.12
01 22 23 00-0083	DAY	50' Engine Powered, Scissor Platform Lift.....	762.75
01 22 23 00-0084	WK	50' Engine Powered, Scissor Platform Lift.....	1,676.54
01 22 23 00-0085	MO	50' Engine Powered, Scissor Platform Lift.....	4,123.39

01 22 23 00-0086

Personnel Lifts (01 22 23 00-0001)

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

01 22 23 00-0087	DAY	24', Push-Type, Electric Single Man Personnel Lift.....	104.99
01 22 23 00-0088	WK	24', Push-Type, Electric Single Man Personnel Lift.....	297.48
01 22 23 00-0089	MO	24', Push-Type, Electric Single Man Personnel Lift.....	600.80
01 22 23 00-0090	DAY	30', Push-Type, Electric Single Man Personnel Lift.....	145.82
01 22 23 00-0091	WK	30', Push-Type, Electric Single Man Personnel Lift.....	309.15
01 22 23 00-0092	MO	30', Push-Type, Electric Single Man Personnel Lift.....	1,049.94
01 22 23 00-0093	DAY	36', Push-Type, Electric Single Man Personnel Lift.....	244.99
01 22 23 00-0094	WK	36', Push-Type, Electric Single Man Personnel Lift.....	594.97
01 22 23 00-0095	MO	36', Push-Type, Electric Single Man Personnel Lift.....	1,738.23
01 22 23 00-0096	DAY	40', Push-Type, Electric Single Man Personnel Lift.....	262.48
01 22 23 00-0097	WK	40', Push-Type, Electric Single Man Personnel Lift.....	653.30
01 22 23 00-0098	MO	40', Push-Type, Electric Single Man Personnel Lift.....	1,965.72
01 22 23 00-0099	DAY	15', Self-Propelled, Electric Single Man Personnel Lift.....	139.99
01 22 23 00-0100	WK	15', Self-Propelled, Electric Single Man Personnel Lift.....	279.98
01 22 23 00-0101	MO	15', Self-Propelled, Electric Single Man Personnel Lift.....	559.97
01 22 23 00-0102	DAY	20', Self-Propelled, Electric Single Man Personnel Lift.....	139.99
01 22 23 00-0103	WK	20', Self-Propelled, Electric Single Man Personnel Lift.....	279.98
01 22 23 00-0104	MO	20', Self-Propelled, Electric Single Man Personnel Lift.....	582.13

01 22 23 00-0105

Bucket Trucks (01 22 23 00-0001)

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

01 22 23 00-0106	DAY	29' Bucket Truck With Full-Time Operator.....	1,112.74
		<i>For Equipment Without Operator, Deduct</i>	-597.12
01 22 23 00-0107	WK	29' Bucket Truck With Full-Time Operator.....	4,532.46
		<i>For Equipment Without Operator, Deduct</i>	-2,985.58
01 22 23 00-0108	MO	29' Bucket Truck With Full-Time Operator.....	16,806.36
		<i>For Equipment Without Operator, Deduct</i>	-12,868.86
01 22 23 00-0109	DAY	38' Bucket Truck With Full-Time Operator.....	1,178.37
		<i>For Equipment Without Operator, Deduct</i>	-597.12
01 22 23 00-0110	WK	38' Bucket Truck With Full-Time Operator.....	4,743.39
		<i>For Equipment Without Operator, Deduct</i>	-2,985.58
01 22 23 00-0111	MO	38' Bucket Truck With Full-Time Operator.....	17,368.86
		<i>For Equipment Without Operator, Deduct</i>	-12,868.86
01 22 23 00-0112	DAY	48' Bucket Truck With Full-Time Operator.....	1,347.12
		<i>For Equipment Without Operator, Deduct</i>	-597.12
01 22 23 00-0113	WK	48' Bucket Truck With Full-Time Operator.....	5,048.08
		<i>For Equipment Without Operator, Deduct</i>	-2,985.58
01 22 23 00-0114	MO	48' Bucket Truck With Full-Time Operator.....	18,025.11
		<i>For Equipment Without Operator, Deduct</i>	-12,868.86
01 22 23 00-0115	DAY	62' Bucket Truck With Full-Time Operator.....	1,722.12
		<i>For Equipment Without Operator, Deduct</i>	-597.12
01 22 23 00-0116	WK	62' Bucket Truck With Full-Time Operator.....	6,266.83
		<i>For Equipment Without Operator, Deduct</i>	-2,985.58
01 22 23 00-0117	MO	62' Bucket Truck With Full-Time Operator.....	21,306.36
		<i>For Equipment Without Operator, Deduct</i>	-12,868.86
01 22 23 00-0118	DAY	85' Bucket Truck With Full-Time Operator.....	1,909.62
		<i>For Equipment Without Operator, Deduct</i>	-597.12
01 22 23 00-0119	WK	85' Bucket Truck With Full-Time Operator.....	6,923.08
		<i>For Equipment Without Operator, Deduct</i>	-2,985.58
01 22 23 00-0120	MO	85' Bucket Truck With Full-Time Operator.....	23,650.11
		<i>For Equipment Without Operator, Deduct</i>	-12,868.86
01 22 23 00-0121	Day	105' Bucket Truck With Full-Time Operator.....	2,003.37
		<i>For Equipment Without Operator, Deduct</i>	-597.12
01 22 23 00-0122	WK	105' Bucket Truck With Full-Time Operator.....	7,204.33
		<i>For Equipment Without Operator, Deduct</i>	-2,985.58
01 22 23 00-0123	MO	105' Bucket Truck With Full-Time Operator.....	23,875.13
		<i>For Equipment Without Operator, Deduct</i>	-12,868.88



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 22 23 00-0124	Air Equipment <small>(01 22 23)</small>		
01 22 23 00-0125	Air Compressors <small>(01 22 23 00-0124)</small>		
	Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0126	DAY 100 CFM Diesel Powered Portable Air Compressor	161.34	
01 22 23 00-0127	WK 100 CFM Diesel Powered Portable Air Compressor	484.02	
01 22 23 00-0128	MO 100 CFM Diesel Powered Portable Air Compressor	1,344.50	
01 22 23 00-0129	DAY 130 CFM Diesel Powered Portable Air Compressor	193.61	
01 22 23 00-0130	WK 130 CFM Diesel Powered Portable Air Compressor	570.07	
01 22 23 00-0131	MO 130 CFM Diesel Powered Portable Air Compressor	1,613.40	
01 22 23 00-0132	DAY 185 CFM Diesel Powered Portable Air Compressor	258.14	
01 22 23 00-0133	WK 185 CFM Diesel Powered Portable Air Compressor	580.82	
01 22 23 00-0134	MO 185 CFM Diesel Powered Portable Air Compressor	1,279.96	
01 22 23 00-0135	DAY 375 CFM Diesel Powered Portable Air Compressor	365.70	
01 22 23 00-0136	WK 375 CFM Diesel Powered Portable Air Compressor	925.02	
01 22 23 00-0137	MO 375 CFM Diesel Powered Portable Air Compressor	2,204.98	
01 22 23 00-0138	DAY 600 CFM Diesel Powered Portable Air Compressor	813.15	
01 22 23 00-0139	WK 600 CFM Diesel Powered Portable Air Compressor	1,957.59	
01 22 23 00-0140	MO 600 CFM Diesel Powered Portable Air Compressor	4,878.92	
01 22 23 00-0141	DAY 750 CFM Diesel Powered Portable Air Compressor	978.80	
01 22 23 00-0142	WK 750 CFM Diesel Powered Portable Air Compressor	2,409.34	
01 22 23 00-0143	MO 750 CFM Diesel Powered Portable Air Compressor	5,915.80	
01 22 23 00-0144	DAY 825 CFM Diesel Powered Portable Air Compressor	978.80	
01 22 23 00-0145	WK 825 CFM Diesel Powered Portable Air Compressor	2,409.34	
01 22 23 00-0146	MO 825 CFM Diesel Powered Portable Air Compressor	5,915.80	
01 22 23 00-0147	DAY 1,300 CFM Diesel Powered Portable Air Compressor	1,140.14	
01 22 23 00-0148	WK 1,300 CFM Diesel Powered Portable Air Compressor	2,555.63	
01 22 23 00-0149	MO 1,300 CFM Diesel Powered Portable Air Compressor	6,815.00	
01 22 23 00-0150	DAY 1,600 CFM Diesel Powered Portable Air Compressor	1,419.79	
01 22 23 00-0151	WK 1,600 CFM Diesel Powered Portable Air Compressor	3,194.53	
01 22 23 00-0152	MO 1,600 CFM Diesel Powered Portable Air Compressor	8,518.75	
01 22 23 00-0153	Negative Air Machines <small>(01 22 23 00-0124)</small>		
	Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0154	DAY Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And HEPA Filter	87.42	
01 22 23 00-0155	WK Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And HEPA Filter	359.05	
01 22 23 00-0156	MO Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And HEPA Filter	1,084.96	
01 22 23 00-0157	EA Replacement HEPA Filter, 99.99% Efficient @ 0.3 Micron For Negative Air Machine	220.50	
	Note: Required if over 800 hours operation.		
01 22 23 00-0158	LF Discharge Flexible Duct For Negative Air Machine	1.26	
01 22 23 00-0159	Portable Air Scrubbers <small>(01 22 23 00-0124)</small>		
	Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0160	DAY 200 to 1,000 CFM Portable Air Scrubber	67.37	
01 22 23 00-0161	WK 200 to 1,000 CFM Portable Air Scrubber	280.04	
01 22 23 00-0162	MO 200 to 1,000 CFM Portable Air Scrubber	775.17	
01 22 23 00-0163	DAY >1,000 to 2,000 CFM Portable Air Scrubber	85.23	
01 22 23 00-0164	WK >1,000 to 2,000 CFM Portable Air Scrubber	353.09	
01 22 23 00-0165	MO >1,000 to 2,000 CFM Portable Air Scrubber	1,034.92	
01 22 23 00-0166	Compaction And Paving Equipment <small>(01 22 23)</small>		
01 22 23 00-0167	Pavers And Rollers <small>(01 22 23 00-0166)</small>		
	Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0168	Pavers <small>(01 22 23 00-0167)</small>		
01 22 23 00-0169	DAY 10' Wide Paving Machine With Full-Time Operator	1,667.48	
	For Equipment Without Operator, Deduct	-732.72	
01 22 23 00-0170	WK 10' Wide Paving Machine With Full-Time Operator	7,402.65	
	For Equipment Without Operator, Deduct	-3,663.62	
01 22 23 00-0171	MO 10' Wide Paving Machine With Full-Time Operator	29,145.38	
	For Equipment Without Operator, Deduct	-15,791.47	
01 22 23 00-0172	Ride-On Self-Propelled, Rubber Tire Rollers <small>(01 22 23 00-0167)</small>		
01 22 23 00-0173	DAY 10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	1,145.97	
	For Equipment Without Operator, Deduct	-732.72	
01 22 23 00-0174	WK 10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	4,913.52	
	For Equipment Without Operator, Deduct	-3,663.62	
01 22 23 00-0175	MO 10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	19,184.47	
	For Equipment Without Operator, Deduct	-15,791.47	
01 22 23 00-0176	DAY 15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	1,305.47	
	For Equipment Without Operator, Deduct	-732.72	
01 22 23 00-0177	WK 15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	6,099.62	
	For Equipment Without Operator, Deduct	-3,663.62	
01 22 23 00-0178	MO 15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	20,975.22	
	For Equipment Without Operator, Deduct	-15,791.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0179 DAY 30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,312.72 -732.72	
01 22 23 00-0180 WK 30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,628.37 -3,663.62	
01 22 23 00-0181 MO 30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	21,323.22 -15,791.47	
01 22 23 00-0182 Ride-On Self-Propelled, Padfoot Rollers <small>(01 22 23 00-0167)</small>		
01 22 23 00-0183 DAY 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,211.22 -732.72	
01 22 23 00-0184 WK 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,990.37 -3,663.62	
01 22 23 00-0185 MO 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	19,626.72 -15,791.47	
01 22 23 00-0186 DAY 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,515.72 -732.72	
01 22 23 00-0187 WK 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,606.62 -3,663.62	
01 22 23 00-0188 MO 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	21,569.72 -15,791.47	
01 22 23 00-0189 DAY 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,588.22 -732.72	
01 22 23 00-0190 WK 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,063.37 -3,663.62	
01 22 23 00-0191 MO 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	22,845.72 -15,791.47	
01 22 23 00-0192 Towed, Padfoot Rollers <small>(01 22 23 00-0167)</small>		
01 22 23 00-0193 DAY 48" Wide, 40" Diameter, Towed Padfoot Roller	137.75	
01 22 23 00-0194 WK 48" Wide, 40" Diameter, Towed Padfoot Roller	398.75	
01 22 23 00-0195 MO 48" Wide, 40" Diameter, Towed Padfoot Roller	1,174.50	
01 22 23 00-0196 DAY 60" Wide, 60" Diameter, Towed Padfoot Roller	174.00	
01 22 23 00-0197 WK 60" Wide, 60" Diameter, Towed Padfoot Roller	485.75	
01 22 23 00-0198 MO 60" Wide, 60" Diameter, Towed Padfoot Roller	2,066.25	
01 22 23 00-0199 Static Rollers <small>(01 22 23 00-0167)</small>		
01 22 23 00-0200 DAY 5 Ton, 2 Drum Articulated Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,247.47 -732.72	
01 22 23 00-0201 WK 5 Ton, 2 Drum Articulated Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,302.12 -3,663.62	
01 22 23 00-0202 MO 5 Ton, 2 Drum Articulated Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	20,648.97 -15,791.47	
01 22 23 00-0203 DAY 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,406.97 -732.72	
01 22 23 00-0204 WK 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,737.12 -3,663.62	
01 22 23 00-0205 MO 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	21,852.47 -15,791.47	
01 22 23 00-0206 Ride-On Self-Propelled, Smooth Drum Vibratory Rollers <small>(01 22 23 00-0167)</small>		
01 22 23 00-0207 DAY 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,196.72 -732.72	
01 22 23 00-0208 WK 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,033.87 -3,663.62	
01 22 23 00-0209 MO 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	19,416.47 -15,791.47	
01 22 23 00-0210 DAY 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,290.97 -732.72	
01 22 23 00-0211 WK 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,309.37 -3,663.62	
01 22 23 00-0212 MO 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	20,134.22 -15,791.47	
01 22 23 00-0213 DAY 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,479.47 -732.72	
01 22 23 00-0214 WK 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,860.37 -3,663.62	
01 22 23 00-0215 MO 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	21,591.47 -15,791.47	
01 22 23 00-0216 Steel Roadway Plates <small>(01 22 23 00-0166)</small>		
01 22 23 00-0217 EA Mobilization of Steel Roadway Plates Note: Mobilization for each site location.	378.86	
01 22 23 00-0218 EA Place And Remove Steel Roadway Plates	43.61	
01 22 23 00-0219 DAY 1" x 4' x 8' Steel Plate	24.47	
01 22 23 00-0220 WK 1" x 4' x 8' Steel Plate	57.77	
01 22 23 00-0221 MO 1" x 4' x 8' Steel Plate	76.03	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 22 23 00-0222	DAY	1" x 4' x 10' Steel Plate	32.63	
01 22 23 00-0223	WK	1" x 4' x 10' Steel Plate	73.41	
01 22 23 00-0224	MO	1" x 4' x 10' Steel Plate	89.72	
01 22 23 00-0225	DAY	1" x 5' x 10' Steel Plate	33.98	
01 22 23 00-0226	WK	1" x 5' x 10' Steel Plate	76.81	
01 22 23 00-0227	MO	1" x 5' x 10' Steel Plate	203.91	
01 22 23 00-0228	DAY	1" x 6' x 8' Steel Plate	21.75	
01 22 23 00-0229	WK	1" x 6' x 8' Steel Plate	48.94	
01 22 23 00-0230	MO	1" x 6' x 8' Steel Plate	130.50	
01 22 23 00-0231	DAY	1" x 6' x 10' Steel Plate	40.78	
01 22 23 00-0232	WK	1" x 6' x 10' Steel Plate	53.70	
01 22 23 00-0233	MO	1" x 6' x 10' Steel Plate	143.42	
01 22 23 00-0234	DAY	1" x 6' x 12' Steel Plate	57.09	
01 22 23 00-0235	WK	1" x 6' x 12' Steel Plate	73.07	
01 22 23 00-0236	MO	1" x 6' x 12' Steel Plate	197.79	
01 22 23 00-0237	DAY	1" x 8' x 10' Steel Plate	36.02	
01 22 23 00-0238	WK	1" x 8' x 10' Steel Plate	80.88	
01 22 23 00-0239	MO	1" x 8' x 10' Steel Plate	215.46	
01 22 23 00-0240	DAY	1" x 8' x 12' Steel Plate	65.25	
01 22 23 00-0241	WK	1" x 8' x 12' Steel Plate	80.88	
01 22 23 00-0242	MO	1" x 8' x 12' Steel Plate	391.51	
01 22 23 00-0243	DAY	1" x 8' x 16' Steel Plate	87.00	
01 22 23 00-0244	WK	1" x 8' x 16' Steel Plate	195.75	
01 22 23 00-0245	MO	1" x 8' x 16' Steel Plate	522.01	
01 22 23 00-0246	LF	Cold Mix For Temporary Ramp Base, 6" At Edge Of Trench Plate	1.73	0.86
01 22 23 00-0247	EA	Remove And Reset Steel Roadway Plate	24.22	

01 22 23 00-0248 Street Sweepers (01 22 23 00-0166)

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

01 22 23 00-0249	DAY	8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	897.89	
		<i>For Equipment Without Operator, Deduct</i>	-692.85	
01 22 23 00-0250	WK	8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	4,276.76	
		<i>For Equipment Without Operator, Deduct</i>	-3,464.26	
01 22 23 00-0251	MO	8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	17,826.93	
		<i>For Equipment Without Operator, Deduct</i>	-14,932.17	
01 22 23 00-0252	DAY	Self-Propelled Street Sweeper With Hopper And Full-Time Operator	1,637.21	
		Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
		<i>For Equipment Without Operator, Deduct</i>	-692.85	
01 22 23 00-0253	WK	Self-Propelled Street Sweeper With Hopper And Full-Time Operator	7,246.93	
		Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
		<i>For Equipment Without Operator, Deduct</i>	-3,464.26	
01 22 23 00-0254	MO	Self-Propelled Street Sweeper With Hopper And Full-Time Operator	28,431.61	
		Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
		<i>For Equipment Without Operator, Deduct</i>	-14,932.17	

01 22 23 00-0255 Earthmoving Equipment (01 22 23)

01 22 23 00-0256 Skid-Steer Loaders (01 22 23 00-0255)

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

01 22 23 00-0257	DAY	700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	942.13	
		<i>For Equipment Without Operator, Deduct</i>	-692.85	
01 22 23 00-0258	WK	700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	4,118.22	
		<i>For Equipment Without Operator, Deduct</i>	-3,464.26	
01 22 23 00-0259	MO	700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	16,507.10	
		<i>For Equipment Without Operator, Deduct</i>	-14,932.17	
01 22 23 00-0260	DAY	1,500 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	1,007.84	
		<i>For Equipment Without Operator, Deduct</i>	-692.85	
01 22 23 00-0261	WK	1,500 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	4,237.12	
		<i>For Equipment Without Operator, Deduct</i>	-3,464.26	
01 22 23 00-0262	MO	1,500 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	16,767.85	
		<i>For Equipment Without Operator, Deduct</i>	-14,932.17	
01 22 23 00-0263	DAY	2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	1,026.61	
		<i>For Equipment Without Operator, Deduct</i>	-692.85	
01 22 23 00-0264	WK	2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	4,408.18	
		<i>For Equipment Without Operator, Deduct</i>	-3,464.26	
01 22 23 00-0265	MO	2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	17,221.55	
		<i>For Equipment Without Operator, Deduct</i>	-14,932.17	
01 22 23 00-0266	DAY	2,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	1,099.62	
		<i>For Equipment Without Operator, Deduct</i>	-692.85	
01 22 23 00-0267	WK	2,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	4,648.06	
		<i>For Equipment Without Operator, Deduct</i>	-3,464.26	
01 22 23 00-0268	MO	2,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	18,014.23	
		<i>For Equipment Without Operator, Deduct</i>	-14,932.17	
01 22 23 00-0269	DAY	3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	1,224.78	
		<i>For Equipment Without Operator, Deduct</i>	-692.85	
01 22 23 00-0270	WK	3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	5,122.63	
		<i>For Equipment Without Operator, Deduct</i>	-3,464.26	
01 22 23 00-0271	MO	3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	19,182.39	
		<i>For Equipment Without Operator, Deduct</i>	-14,932.17	
01 22 23 00-0272	DAY	Hydraulic Hammer Attachment For Skid-Steer Loaders	208.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0273 WK Hydraulic Hammer Attachment For Skid-Steer Loaders.....	693.60	
01 22 23 00-0274 MO Hydraulic Hammer Attachment For Skid-Steer Loaders.....	1,846.11	
01 22 23 00-0275 DAY Forklift Attachment For Skid-Steer Loaders.....	44.85	
01 22 23 00-0276 WK Forklift Attachment For Skid-Steer Loaders.....	119.94	
01 22 23 00-0277 MO Forklift Attachment For Skid-Steer Loaders.....	338.98	
01 22 23 00-0278 DAY Backhoe Attachment For Skid-Steer Loaders.....	99.08	
01 22 23 00-0279 WK Backhoe Attachment For Skid-Steer Loaders.....	237.80	
01 22 23 00-0280 MO Backhoe Attachment For Skid-Steer Loaders.....	591.38	
01 22 23 00-0281 DAY Broom Attachment For Skid-Steer Loaders.....	98.04	
01 22 23 00-0282 WK Broom Attachment For Skid-Steer Loaders.....	265.96	
01 22 23 00-0283 MO Broom Attachment For Skid-Steer Loaders.....	704.02	
01 22 23 00-0284 DAY Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders.....	85.53	
01 22 23 00-0285 WK Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders.....	235.72	
01 22 23 00-0286 MO Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders.....	643.53	
01 22 23 00-0287 DAY Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger).....	23.57	
01 22 23 00-0288 WK Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger).....	61.67	
01 22 23 00-0289 MO Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger).....	181.39	
01 22 23 00-0290 DAY >18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger).....	31.74	
01 22 23 00-0291 WK >18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger).....	78.90	
01 22 23 00-0292 MO >18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger).....	235.81	
01 22 23 00-0293 DAY Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger).....	46.25	
01 22 23 00-0294 WK Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger).....	140.59	
01 22 23 00-0295 MO Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger).....	417.20	
01 22 23 00-0296 DAY 2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger).....	9.39	
01 22 23 00-0297 WK 2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger).....	21.90	
01 22 23 00-0298 MO 2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger).....	58.41	

01 22 23 00-0299 Bulldozers (01 22 23 00-0255)

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

01 22 23 00-0300 DAY 70 HP, D3 Bulldozer With Full-Time Operator.....	1,050.27	
<i>For Equipment Without Operator, Deduct</i>	-732.72	
01 22 23 00-0301 WK 70 HP, D3 Bulldozer With Full-Time Operator.....	4,915.84	
<i>For Equipment Without Operator, Deduct</i>	-3,663.62	
01 22 23 00-0302 MO 70 HP, D3 Bulldozer With Full-Time Operator.....	19,506.20	
<i>For Equipment Without Operator, Deduct</i>	-15,791.47	
01 22 23 00-0303 DAY 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator.....	1,200.06	
<i>For Equipment Without Operator, Deduct</i>	-732.72	
01 22 23 00-0304 WK 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator.....	5,520.98	
<i>For Equipment Without Operator, Deduct</i>	-3,663.62	
01 22 23 00-0305 MO 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator.....	21,363.57	
<i>For Equipment Without Operator, Deduct</i>	-15,791.47	
01 22 23 00-0306 DAY 140 HP, D6 Bulldozer With Full-Time Operator.....	1,625.45	
<i>For Equipment Without Operator, Deduct</i>	-732.72	
01 22 23 00-0307 WK 140 HP, D6 Bulldozer With Full-Time Operator.....	7,222.57	
<i>For Equipment Without Operator, Deduct</i>	-3,663.62	
01 22 23 00-0308 MO 140 HP, D6 Bulldozer With Full-Time Operator.....	26,456.34	
<i>For Equipment Without Operator, Deduct</i>	-15,791.47	
01 22 23 00-0309 DAY 200 HP, D7 Bulldozer With Full-Time Operator.....	2,002.92	
<i>For Equipment Without Operator, Deduct</i>	-732.72	
01 22 23 00-0310 WK 200 HP, D7 Bulldozer With Full-Time Operator.....	8,738.42	
<i>For Equipment Without Operator, Deduct</i>	-3,663.62	
01 22 23 00-0311 MO 200 HP, D7 Bulldozer With Full-Time Operator.....	31,009.88	
<i>For Equipment Without Operator, Deduct</i>	-15,791.47	
01 22 23 00-0312 DAY 335 HP, D8 Bulldozer With Full-Time Operator.....	2,452.28	
<i>For Equipment Without Operator, Deduct</i>	-732.72	
01 22 23 00-0313 WK 335 HP, D8 Bulldozer With Full-Time Operator.....	10,535.87	
<i>For Equipment Without Operator, Deduct</i>	-3,663.62	
01 22 23 00-0314 MO 335 HP, D8 Bulldozer With Full-Time Operator.....	36,402.23	
<i>For Equipment Without Operator, Deduct</i>	-15,791.47	
01 22 23 00-0315 DAY 460 HP, D9 Bulldozer With Full-Time Operator.....	2,703.92	
<i>For Equipment Without Operator, Deduct</i>	-732.72	
01 22 23 00-0316 WK 460 HP, D9 Bulldozer With Full-Time Operator.....	11,536.45	
<i>For Equipment Without Operator, Deduct</i>	-3,663.62	
01 22 23 00-0317 MO 460 HP, D9 Bulldozer With Full-Time Operator.....	39,397.98	
<i>For Equipment Without Operator, Deduct</i>	-15,791.47	

01 22 23 00-0318 Motor Scraper (01 22 23 00-0255)

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

01 22 23 00-0319 DAY 11 CY Motor Scraper-Hauler With Full-Time Operator.....	1,725.88	
<i>For Equipment Without Operator, Deduct</i>	-732.72	
01 22 23 00-0320 WK 11 CY Motor Scraper-Hauler With Full-Time Operator.....	7,636.28	
<i>For Equipment Without Operator, Deduct</i>	-3,663.62	
01 22 23 00-0321 MO 11 CY Motor Scraper-Hauler With Full-Time Operator.....	27,695.85	
<i>For Equipment Without Operator, Deduct</i>	-15,791.47	
01 22 23 00-0322 DAY 18 CY Motor Scraper-Hauler With Full-Time Operator.....	2,127.23	
<i>For Equipment Without Operator, Deduct</i>	-732.72	
01 22 23 00-0323 WK 18 CY Motor Scraper-Hauler With Full-Time Operator.....	9,241.67	
<i>For Equipment Without Operator, Deduct</i>	-3,663.62	
01 22 23 00-0324 MO 18 CY Motor Scraper-Hauler With Full-Time Operator.....	32,525.62	
<i>For Equipment Without Operator, Deduct</i>	-15,791.47	

01	General Requirements
01 20	Price And Payment Procedures
01 22	Unit Prices



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0325	DAY		24 CY Motor Scraper-Hauler With Full-Time Operator	2,514.98	
			<i>For Equipment Without Operator, Deduct</i>	-732.72	
01 22 23 00-0326	WK		24 CY Motor Scraper-Hauler With Full-Time Operator	10,785.84	
			<i>For Equipment Without Operator, Deduct</i>	-3,663.62	
01 22 23 00-0327	MO		24 CY Motor Scraper-Hauler With Full-Time Operator	37,151.32	
			<i>For Equipment Without Operator, Deduct</i>	-15,791.47	
01 22 23 00-0328			Hydraulic Excavators <small>(01 22 23 00-0255)</small>		
			Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0329	DAY		3/8 CY Hydraulic Excavator With Full-Time Operator	1,083.18	
			<i>For Equipment Without Operator, Deduct</i>	-732.72	
01 22 23 00-0330	WK		3/8 CY Hydraulic Excavator With Full-Time Operator	4,903.21	
			<i>For Equipment Without Operator, Deduct</i>	-3,663.62	
01 22 23 00-0331	MO		3/8 CY Hydraulic Excavator With Full-Time Operator	19,945.07	
			<i>For Equipment Without Operator, Deduct</i>	-15,791.47	
01 22 23 00-0332	DAY		1/2 CY Hydraulic Excavator With Full-Time Operator	1,181.83	
			<i>For Equipment Without Operator, Deduct</i>	-732.72	
01 22 23 00-0333	WK		1/2 CY Hydraulic Excavator With Full-Time Operator	5,338.04	
			<i>For Equipment Without Operator, Deduct</i>	-3,663.62	
01 22 23 00-0334	MO		1/2 CY Hydraulic Excavator With Full-Time Operator	21,684.39	
			<i>For Equipment Without Operator, Deduct</i>	-15,791.47	
01 22 23 00-0335	DAY		5/8 CY Hydraulic Excavator With Full-Time Operator	1,212.98	
			<i>For Equipment Without Operator, Deduct</i>	-732.72	
01 22 23 00-0336	WK		5/8 CY Hydraulic Excavator With Full-Time Operator	5,500.29	
			<i>For Equipment Without Operator, Deduct</i>	-3,663.62	
01 22 23 00-0337	MO		5/8 CY Hydraulic Excavator With Full-Time Operator	21,969.95	
			<i>For Equipment Without Operator, Deduct</i>	-15,791.47	
01 22 23 00-0338	DAY		3/4 CY Hydraulic Excavator With Full-Time Operator	1,245.43	
			<i>For Equipment Without Operator, Deduct</i>	-732.72	
01 22 23 00-0339	WK		3/4 CY Hydraulic Excavator With Full-Time Operator	5,649.56	
			<i>For Equipment Without Operator, Deduct</i>	-3,663.62	
01 22 23 00-0340	MO		3/4 CY Hydraulic Excavator With Full-Time Operator	22,255.51	
			<i>For Equipment Without Operator, Deduct</i>	-15,791.47	
01 22 23 00-0341	DAY		7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	1,271.39	
			<i>For Equipment Without Operator, Deduct</i>	-732.72	
01 22 23 00-0342	WK		7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	5,805.32	
			<i>For Equipment Without Operator, Deduct</i>	-3,663.62	
01 22 23 00-0343	MO		7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	22,541.07	
			<i>For Equipment Without Operator, Deduct</i>	-15,791.47	
01 22 23 00-0344	DAY		1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	1,621.85	
			<i>For Equipment Without Operator, Deduct</i>	-732.72	
01 22 23 00-0345	WK		1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	7,200.67	
			<i>For Equipment Without Operator, Deduct</i>	-3,663.62	
01 22 23 00-0346	MO		1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	26,402.62	
			<i>For Equipment Without Operator, Deduct</i>	-15,791.47	
01 22 23 00-0347	DAY		1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	1,673.77	
			<i>For Equipment Without Operator, Deduct</i>	-732.72	
01 22 23 00-0348	WK		1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	7,427.82	
			<i>For Equipment Without Operator, Deduct</i>	-3,663.62	
01 22 23 00-0349	MO		1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	27,084.07	
			<i>For Equipment Without Operator, Deduct</i>	-15,791.47	
01 22 23 00-0350	DAY		1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	1,771.12	
			<i>For Equipment Without Operator, Deduct</i>	-732.72	
01 22 23 00-0351	WK		1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	7,817.22	
			<i>For Equipment Without Operator, Deduct</i>	-3,663.62	
01 22 23 00-0352	MO		1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	28,252.27	
			<i>For Equipment Without Operator, Deduct</i>	-15,791.47	
01 22 23 00-0353	DAY		2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	1,881.45	
			<i>For Equipment Without Operator, Deduct</i>	-732.72	
01 22 23 00-0354	WK		2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	8,252.05	
			<i>For Equipment Without Operator, Deduct</i>	-3,663.62	
01 22 23 00-0355	MO		2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	29,550.27	
			<i>For Equipment Without Operator, Deduct</i>	-15,791.47	
01 22 23 00-0356	DAY		2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	1,913.90	
			<i>For Equipment Without Operator, Deduct</i>	-732.72	
01 22 23 00-0357	WK		2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	8,381.85	
			<i>For Equipment Without Operator, Deduct</i>	-3,663.62	
01 22 23 00-0358	MO		2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	29,939.67	
			<i>For Equipment Without Operator, Deduct</i>	-15,791.47	
01 22 23 00-0359	DAY		3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	2,225.42	
			<i>For Equipment Without Operator, Deduct</i>	-732.72	
01 22 23 00-0360	WK		3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	9,634.42	
			<i>For Equipment Without Operator, Deduct</i>	-3,663.62	
01 22 23 00-0361	MO		3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	33,703.87	
			<i>For Equipment Without Operator, Deduct</i>	-15,791.47	
01 22 23 00-0362	DAY		4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	2,673.23	
			<i>For Equipment Without Operator, Deduct</i>	-732.72	
01 22 23 00-0363	WK		4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	11,412.68	
			<i>For Equipment Without Operator, Deduct</i>	-3,663.62	
01 22 23 00-0364	MO		4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	39,025.67	
			<i>For Equipment Without Operator, Deduct</i>	-15,791.47	
01 22 23 00-0365	DAY		Thumbs Or Grapple Attachment For Hydraulic Excavators	90.86	
01 22 23 00-0366	WK		Thumbs Or Grapple Attachment For Hydraulic Excavators	350.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0367 MO Thumbs Or Grapple Attachment For Hydraulic Excavators	1,038.40	
01 22 23 00-0368 DAY 1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	402.38	
01 22 23 00-0369 WK 1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	1,064.36	
01 22 23 00-0370 MO 1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	2,978.91	
01 22 23 00-0371 DAY 1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	623.04	
01 22 23 00-0372 WK 1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	1,590.05	
01 22 23 00-0373 MO 1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	4,134.13	
01 22 23 00-0374 DAY 3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	869.66	
01 22 23 00-0375 WK 3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	2,342.89	
01 22 23 00-0376 MO 3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	6,567.88	
01 22 23 00-0377 DAY 24" Compaction Wheel Attachment For Hydraulic Excavators	181.72	
01 22 23 00-0378 WK 24" Compaction Wheel Attachment For Hydraulic Excavators	726.88	
01 22 23 00-0379 MO 24" Compaction Wheel Attachment For Hydraulic Excavators	2,180.64	
01 22 23 00-0380 DAY 36" Compaction Wheel Attachment For Hydraulic Excavators	259.60	
01 22 23 00-0381 WK 36" Compaction Wheel Attachment For Hydraulic Excavators	1,038.40	
01 22 23 00-0382 MO 36" Compaction Wheel Attachment For Hydraulic Excavators	3,115.20	
01 22 23 00-0383 DAY 48" Compaction Wheel Attachment For Hydraulic Excavators	285.56	
01 22 23 00-0384 WK 48" Compaction Wheel Attachment For Hydraulic Excavators	1,129.26	
01 22 23 00-0385 MO 48" Compaction Wheel Attachment For Hydraulic Excavators	3,374.80	
01 22 23 00-0386		
Mini-Excavators <small>(01 22 23 00-0255)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0387 DAY 2,000 LB Mini-Excavator With Full-Time Operator.....	1,005.30	
<i>For Equipment Without Operator, Deduct</i>	-732.72	
01 22 23 00-0388 WK 2,000 LB Mini-Excavator With Full-Time Operator.....	4,435.93	
<i>For Equipment Without Operator, Deduct</i>	-3,663.62	
01 22 23 00-0389 MO 2,000 LB Mini-Excavator With Full-Time Operator.....	17,491.85	
<i>For Equipment Without Operator, Deduct</i>	-15,791.47	
01 22 23 00-0390 DAY 3,500 LB Mini-Excavator With Full-Time Operator.....	1,011.79	
<i>For Equipment Without Operator, Deduct</i>	-732.72	
01 22 23 00-0391 WK 3,500 LB Mini-Excavator With Full-Time Operator.....	4,455.40	
<i>For Equipment Without Operator, Deduct</i>	-3,663.62	
01 22 23 00-0392 MO 3,500 LB Mini-Excavator With Full-Time Operator.....	17,900.72	
<i>For Equipment Without Operator, Deduct</i>	-15,791.47	
01 22 23 00-0393 DAY 6,000 LB Mini-Excavator With Full-Time Operator.....	1,044.24	
<i>For Equipment Without Operator, Deduct</i>	-732.72	
01 22 23 00-0394 WK 6,000 LB Mini-Excavator With Full-Time Operator.....	4,546.26	
<i>For Equipment Without Operator, Deduct</i>	-3,663.62	
01 22 23 00-0395 MO 6,000 LB Mini-Excavator With Full-Time Operator.....	17,959.13	
<i>For Equipment Without Operator, Deduct</i>	-15,791.47	
01 22 23 00-0396 DAY 7,500 LB Mini-Excavator With Full-Time Operator.....	1,057.22	
<i>For Equipment Without Operator, Deduct</i>	-732.72	
01 22 23 00-0397 WK 7,500 LB Mini-Excavator With Full-Time Operator.....	4,591.69	
<i>For Equipment Without Operator, Deduct</i>	-3,663.62	
01 22 23 00-0398 MO 7,500 LB Mini-Excavator With Full-Time Operator.....	17,985.09	
<i>For Equipment Without Operator, Deduct</i>	-15,791.47	
01 22 23 00-0399 DAY 9,500 LB Mini-Excavator With Full-Time Operator.....	1,135.10	
<i>For Equipment Without Operator, Deduct</i>	-732.72	
01 22 23 00-0400 WK 9,500 LB Mini-Excavator With Full-Time Operator.....	4,656.59	
<i>For Equipment Without Operator, Deduct</i>	-3,663.62	
01 22 23 00-0401 MO 9,500 LB Mini-Excavator With Full-Time Operator.....	18,737.93	
<i>For Equipment Without Operator, Deduct</i>	-15,791.47	
01 22 23 00-0402 DAY 11,000 LB Mini-Excavator With Full-Time Operator.....	1,141.59	
<i>For Equipment Without Operator, Deduct</i>	-732.72	
01 22 23 00-0403 WK 11,000 LB Mini-Excavator With Full-Time Operator.....	4,981.09	
<i>For Equipment Without Operator, Deduct</i>	-3,663.62	
01 22 23 00-0404 MO 11,000 LB Mini-Excavator With Full-Time Operator.....	18,770.38	
<i>For Equipment Without Operator, Deduct</i>	-15,791.47	
01 22 23 00-0405		
Road Graders <small>(01 22 23 00-0255)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0406 DAY 60 HP Road Grader With Full-Time Operator	1,295.15	
<i>For Equipment Without Operator, Deduct</i>	-732.72	
01 22 23 00-0407 WK 60 HP Road Grader With Full-Time Operator	5,185.07	
<i>For Equipment Without Operator, Deduct</i>	-3,663.62	
01 22 23 00-0408 MO 60 HP Road Grader With Full-Time Operator	20,341.39	
<i>For Equipment Without Operator, Deduct</i>	-15,791.47	
01 22 23 00-0409 DAY 80 HP Road Grader With Full-Time Operator	1,461.00	
<i>For Equipment Without Operator, Deduct</i>	-732.72	
01 22 23 00-0410 WK 80 HP Road Grader With Full-Time Operator	5,646.55	
<i>For Equipment Without Operator, Deduct</i>	-3,663.62	
01 22 23 00-0411 MO 80 HP Road Grader With Full-Time Operator	21,740.26	
<i>For Equipment Without Operator, Deduct</i>	-15,791.47	
01 22 23 00-0412 DAY 130 HP Road Grader With Full-Time Operator	1,348.69	
<i>For Equipment Without Operator, Deduct</i>	-732.72	
01 22 23 00-0413 WK 130 HP Road Grader With Full-Time Operator	6,127.50	
<i>For Equipment Without Operator, Deduct</i>	-3,663.62	
01 22 23 00-0414 MO 130 HP Road Grader With Full-Time Operator	24,596.60	
<i>For Equipment Without Operator, Deduct</i>	-15,791.47	

01	General Requirements
01 20	Price And Payment Procedures
01 22	Unit Prices



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 22 23 00-0415	Loader-Backhoes With Standard Bucket <small>(01 22 23 00-0255)</small>	
	Note: Includes full-time operator. Excludes delivery, set-up, and removal.	
01 22 23 00-0416	DAY 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator.....	1,113.66
	<i>For Equipment Without Operator, Deduct</i>	-732.72
01 22 23 00-0417	WK 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator.....	4,568.35
	<i>For Equipment Without Operator, Deduct</i>	-3,663.62
01 22 23 00-0418	MO 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator.....	17,920.65
	<i>For Equipment Without Operator, Deduct</i>	-15,791.47
01 22 23 00-0419	DAY 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator.....	1,154.48
	<i>For Equipment Without Operator, Deduct</i>	-732.72
01 22 23 00-0420	WK 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator.....	4,711.20
	<i>For Equipment Without Operator, Deduct</i>	-3,663.62
01 22 23 00-0421	MO 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator.....	18,791.37
	<i>For Equipment Without Operator, Deduct</i>	-15,791.47
01 22 23 00-0422	DAY 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator.....	1,217.40
	<i>For Equipment Without Operator, Deduct</i>	-732.72
01 22 23 00-0423	WK 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator.....	4,867.66
	<i>For Equipment Without Operator, Deduct</i>	-3,663.62
01 22 23 00-0424	MO 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator.....	19,240.34
	<i>For Equipment Without Operator, Deduct</i>	-15,791.47
01 22 23 00-0425	DAY 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator.....	1,498.00
	<i>For Equipment Without Operator, Deduct</i>	-732.72
01 22 23 00-0426	WK 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator.....	5,704.37
	<i>For Equipment Without Operator, Deduct</i>	-3,663.62
01 22 23 00-0427	MO 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator.....	21,634.82
	<i>For Equipment Without Operator, Deduct</i>	-15,791.47
01 22 23 00-0428	Heavy Duty Construction Loaders <small>(01 22 23 00-0255)</small>	
	Note: Includes full-time operator. Excludes delivery, set-up, and removal.	
01 22 23 00-0429	DAY 2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator.....	1,114.98
	<i>For Equipment Without Operator, Deduct</i>	-732.72
01 22 23 00-0430	WK 2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator.....	5,175.04
	<i>For Equipment Without Operator, Deduct</i>	-3,663.62
01 22 23 00-0431	MO 2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator.....	20,319.84
	<i>For Equipment Without Operator, Deduct</i>	-15,791.47
01 22 23 00-0432	DAY 3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator.....	1,432.56
	<i>For Equipment Without Operator, Deduct</i>	-732.72
01 22 23 00-0433	WK 3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator.....	5,522.02
	<i>For Equipment Without Operator, Deduct</i>	-3,663.62
01 22 23 00-0434	MO 3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator.....	20,496.27
	<i>For Equipment Without Operator, Deduct</i>	-15,791.47
01 22 23 00-0435	DAY 3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator.....	1,503.13
	<i>For Equipment Without Operator, Deduct</i>	-732.72
01 22 23 00-0436	WK 3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator.....	5,710.21
	<i>For Equipment Without Operator, Deduct</i>	-3,663.62
01 22 23 00-0437	MO 3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator.....	20,966.75
	<i>For Equipment Without Operator, Deduct</i>	-15,791.47
01 22 23 00-0438	DAY 4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator.....	1,697.20
	<i>For Equipment Without Operator, Deduct</i>	-732.72
01 22 23 00-0439	WK 4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator.....	6,221.86
	<i>For Equipment Without Operator, Deduct</i>	-3,663.62
01 22 23 00-0440	MO 4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator.....	22,260.57
	<i>For Equipment Without Operator, Deduct</i>	-15,791.47
01 22 23 00-0441	DAY 7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator.....	2,197.09
	<i>For Equipment Without Operator, Deduct</i>	-732.72
01 22 23 00-0442	WK 7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator.....	9,509.33
	<i>For Equipment Without Operator, Deduct</i>	-3,663.62
01 22 23 00-0443	MO 7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator.....	33,316.85
	<i>For Equipment Without Operator, Deduct</i>	-15,791.47
01 22 23 00-0444	DAY 13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator.....	5,490.39
	<i>For Equipment Without Operator, Deduct</i>	-732.72
01 22 23 00-0445	WK 13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator.....	19,112.84
	<i>For Equipment Without Operator, Deduct</i>	-3,663.62
01 22 23 00-0446	MO 13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator.....	57,894.78
	<i>For Equipment Without Operator, Deduct</i>	-15,791.47
01 22 23 00-0447	Shoring <small>(01 22 23 00-0255)</small>	
	Note: Includes delivery to job site and pick-up when complete.	
01 22 23 00-0448	Aluminum Hydraulic Shoring <small>(01 22 23 00-0447)</small>	
	Note: Includes delivery to job site and pick-up when complete. Excludes sheeting.	
01 22 23 00-0449	WK 2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring.....	58.46
	Note: Up to 88" spread width.	
01 22 23 00-0450	MO 2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring.....	172.44
	Note: Up to 88" spread width.	
01 22 23 00-0451	WK Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring.....	78.43
	Note: Up to 88" spread width.	
01 22 23 00-0452	MO Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring.....	231.33
	Note: Up to 88" spread width.	
01 22 23 00-0453	WK Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring.....	145.43
	Note: Up to 88" spread width.	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0454	MO		Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	429.01	
01 22 23 00-0455	EA		Set-up And Removal Of 1 Cylinder Aluminum Hydraulic Shores.....	21.92	
01 22 23 00-0456	EA		Set-up And Removal Of 2 Cylinders Aluminum Hydraulic Shores.....	35.07	
01 22 23 00-0457	EA		Set-up And Removal Of 3 Cylinders Aluminum Hydraulic Shores.....	58.44	

01 22 23 00-0458

Trench Boxes/Trench Shields (01 22 23 00-0255)

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

01 22 23 00-0459	WK		4' x 6' Trench Box With Up To 48" Spreaders.....	170.50	
01 22 23 00-0460	MO		4' x 6' Trench Box With Up To 48" Spreaders.....	511.50	
01 22 23 00-0461	WK		6' x 6' Trench Box With Up To 48" Spreaders.....	192.50	
01 22 23 00-0462	MO		6' x 6' Trench Box With Up To 48" Spreaders.....	577.50	
01 22 23 00-0463	WK		8' x 6' Trench Box With Up To 48" Spreaders.....	203.50	
01 22 23 00-0464	MO		8' x 6' Trench Box With Up To 48" Spreaders.....	610.50	
01 22 23 00-0465	WK		4' x 8' Trench Box With Up To 48" Spreaders.....	187.00	
01 22 23 00-0466	MO		4' x 8' Trench Box With Up To 48" Spreaders.....	561.00	
01 22 23 00-0467	WK		6' x 8' Trench Box With Up To 48" Spreaders.....	220.00	
01 22 23 00-0468	MO		6' x 8' Trench Box With Up To 48" Spreaders.....	660.00	
01 22 23 00-0469	WK		8' x 8' Trench Box With Up To 48" Spreaders.....	247.50	
01 22 23 00-0470	MO		8' x 8' Trench Box With Up To 48" Spreaders.....	742.50	
01 22 23 00-0471	WK		4' x 10' Trench Box With Up To 48" Spreaders.....	209.00	
01 22 23 00-0472	MO		4' x 10' Trench Box With Up To 48" Spreaders.....	627.00	
01 22 23 00-0473	WK		6' x 10' Trench Box With Up To 48" Spreaders.....	247.50	
01 22 23 00-0474	MO		6' x 10' Trench Box With Up To 48" Spreaders.....	742.50	
01 22 23 00-0475	WK		8' x 10' Trench Box With Up To 48" Spreaders.....	302.50	
01 22 23 00-0476	MO		8' x 10' Trench Box With Up To 48" Spreaders.....	902.00	
01 22 23 00-0477	WK		4' x 12' Trench Box With Up To 48" Spreaders.....	247.50	
01 22 23 00-0478	MO		4' x 12' Trench Box With Up To 48" Spreaders.....	742.50	
01 22 23 00-0479	WK		6' x 12' Trench Box With Up To 48" Spreaders.....	302.50	
01 22 23 00-0480	MO		6' x 12' Trench Box With Up To 48" Spreaders.....	907.50	
01 22 23 00-0481	WK		8' x 12' Trench Box With Up To 48" Spreaders.....	385.00	
01 22 23 00-0482	MO		8' x 12' Trench Box With Up To 48" Spreaders.....	1,155.00	
01 22 23 00-0483	WK		4' x 14' Trench Box With Up To 48" Spreaders.....	275.00	
01 22 23 00-0484	MO		4' x 14' Trench Box With Up To 48" Spreaders.....	825.00	
01 22 23 00-0485	WK		6' x 14' Trench Box With Up To 48" Spreaders.....	357.50	
01 22 23 00-0486	MO		6' x 14' Trench Box With Up To 48" Spreaders.....	1,072.50	
01 22 23 00-0487	WK		8' x 14' Trench Box With Up To 48" Spreaders.....	440.00	
01 22 23 00-0488	MO		8' x 14' Trench Box With Up To 48" Spreaders.....	1,320.00	
01 22 23 00-0489	WK		4' x 16' Trench Box With Up To 48" Spreaders.....	302.50	
01 22 23 00-0490	MO		4' x 16' Trench Box With Up To 48" Spreaders.....	907.50	
01 22 23 00-0491	WK		6' x 16' Trench Box With Up To 48" Spreaders.....	412.50	
01 22 23 00-0492	MO		6' x 16' Trench Box With Up To 48" Spreaders.....	1,237.50	
01 22 23 00-0493	WK		8' x 16' Trench Box With Up To 48" Spreaders.....	495.00	
01 22 23 00-0494	MO		8' x 16' Trench Box With Up To 48" Spreaders.....	1,485.00	
01 22 23 00-0495	WK		4' x 20' Trench Box With Up To 48" Spreaders.....	357.50	
01 22 23 00-0496	MO		4' x 20' Trench Box With Up To 48" Spreaders.....	1,072.50	
01 22 23 00-0497	WK		6' x 20' Trench Box With Up To 48" Spreaders.....	495.00	
01 22 23 00-0498	MO		6' x 20' Trench Box With Up To 48" Spreaders.....	1,485.00	
01 22 23 00-0499	WK		8' x 20' Trench Box With Up To 48" Spreaders.....	577.50	
01 22 23 00-0500	MO		8' x 20' Trench Box With Up To 48" Spreaders.....	1,732.50	
01 22 23 00-0501	WK		4' x 24' Trench Box With Up To 48" Spreaders.....	495.00	
01 22 23 00-0502	MO		4' x 24' Trench Box With Up To 48" Spreaders.....	1,485.00	
01 22 23 00-0503	WK		6' x 24' Trench Box With Up To 48" Spreaders.....	605.00	
01 22 23 00-0504	MO		6' x 24' Trench Box With Up To 48" Spreaders.....	1,815.00	
01 22 23 00-0505	WK		8' x 24' Trench Box With Up To 48" Spreaders.....	660.00	
01 22 23 00-0506	MO		8' x 24' Trench Box With Up To 48" Spreaders.....	1,980.00	
01 22 23 00-0507	WK		For Spreaders >48" To 84", Add.....	16.50	
01 22 23 00-0508	MO		For Spreaders >48" To 84", Add.....	49.50	
01 22 23 00-0509	WK		For Spreaders >84" To 120", Add.....	99.00	
01 22 23 00-0510	MO		For Spreaders >84" To 120", Add.....	297.00	
01 22 23 00-0511	WK		For Spreaders >120", Add.....	209.00	
01 22 23 00-0512	MO		For Spreaders >120", Add.....	627.00	
01 22 23 00-0513	WK		8' x 4' Manhole Box.....	259.88	
01 22 23 00-0514	MO		8' x 4' Manhole Box.....	779.63	
01 22 23 00-0515	WK		8' x 8' Manhole Box.....	371.25	
01 22 23 00-0516	MO		8' x 8' Manhole Box.....	1,113.75	

01 22 23 00-0517

Trenchers (01 22 23 00-0255)

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

01 22 23 00-0518	DAY		4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,063.38 -732.72	
01 22 23 00-0519	WK		4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,789.92 -3,663.62	
01 22 23 00-0520	MO		4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	18,891.37 -15,791.47	
01 22 23 00-0521	DAY		5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,621.36 -732.72	
01 22 23 00-0522	WK		5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,670.52 -3,663.62	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0523	MO		5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	24,057.87	-15,791.47
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01 22 23 00-0524 Portable Sediment Tank (01 22 23 00-0255)

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

01 22 23 00-0525	WK		Portable Sediment Tank	110.69	
01 22 23 00-0526	MO		Portable Sediment Tank	324.70	

01 22 23 00-0527 Heavy Equipment (Wood Ground Protection) Mats (01 22 23 00-0255)

Note: Rental price per mat. Excludes placement, moving, mobilization and demobilization. See CSI section 01 22 23 00-0255 for equipment for offloading/reloading from delivery vehicle, placing, and moving mats, 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

01 22 23 00-0528	DAY	14'	Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	15.84	
01 22 23 00-0529	WK	14'	Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	37.71	
01 22 23 00-0530	MO	14'	Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	79.20	
01 22 23 00-0531	DAY	16'	Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	16.63	
01 22 23 00-0532	WK	16'	Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	39.60	
01 22 23 00-0533	MO	16'	Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	83.16	
01 22 23 00-0534	Day	16'	Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	13.46	
01 22 23 00-0535	WK	16'	Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	31.68	
01 22 23 00-0536	MO	16'	Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	67.32	
01 22 23 00-0537	Day	18'	Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	15.05	
01 22 23 00-0538	WK	18'	Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	35.64	
01 22 23 00-0539	MO	18'	Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	75.24	
01 22 23 00-0540	Day	20'	Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	16.63	
01 22 23 00-0541	WK	20'	Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	39.60	
01 22 23 00-0542	MO	20'	Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	83.16	
01 22 23 00-0543	Day	24'	Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	18.22	
01 22 23 00-0544	WK	24'	Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	43.37	
01 22 23 00-0545	MO	24'	Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	91.08	
01 22 23 00-0546	Day	12'	Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	14.26	
01 22 23 00-0547	WK	12'	Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	39.60	
01 22 23 00-0548	MO	12'	Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	71.28	
01 22 23 00-0549	Day	16'	Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	16.63	
01 22 23 00-0550	WK	16'	Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	39.60	
01 22 23 00-0551	MO	16'	Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	83.16	
01 22 23 00-0552	Day	20'	Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	19.80	
01 22 23 00-0553	WK	20'	Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	43.56	
01 22 23 00-0554	MO	20'	Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	99.00	
01 22 23 00-0555	Day	24'	Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	21.38	
01 22 23 00-0556	WK	24'	Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	50.91	
01 22 23 00-0557	MO	24'	Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	106.92	
01 22 23 00-0558	Day	28'	Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	22.97	
01 22 23 00-0559	WK	28'	Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	54.69	
01 22 23 00-0560	MO	28'	Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	114.84	
01 22 23 00-0561	Day	30'	Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	23.76	
01 22 23 00-0562	WK	30'	Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	56.57	
01 22 23 00-0563	MO	30'	Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	118.80	
01 22 23 00-0564	Day	14'	Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	7.62	
01 22 23 00-0565	WK	14'	Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	19.05	
01 22 23 00-0566	MO	14'	Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	57.14	
01 22 23 00-0567	Day	14'	Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	9.11	
01 22 23 00-0568	WK	14'	Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	22.77	
01 22 23 00-0569	MO	14'	Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	68.31	
01 22 23 00-0570	Day	16'	Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	10.40	
01 22 23 00-0571	WK	16'	Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	26.00	
01 22 23 00-0572	MO	16'	Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	78.01	
01 22 23 00-0573	Day	14'	Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	11.09	
01 22 23 00-0574	WK	14'	Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	27.72	
01 22 23 00-0575	MO	14'	Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	83.16	
01 22 23 00-0576	Day	16'	Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	12.67	
01 22 23 00-0577	WK	16'	Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	31.68	
01 22 23 00-0578	MO	16'	Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	95.04	
01 22 23 00-0579	Day	16'	Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	14.56	
01 22 23 00-0580	WK	16'	Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	36.41	
01 22 23 00-0581	MO	16'	Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	109.22	
01 22 23 00-0582	Day	24'	Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	11.20	
01 22 23 00-0583	WK	24'	Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	28.01	
01 22 23 00-0584	MO	24'	Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	84.03	
01 22 23 00-0585	Day	30'	Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	15.17	
01 22 23 00-0586	WK	30'	Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	37.92	
01 22 23 00-0587	MO	30'	Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	113.77	
01 22 23 00-0588	Day	24'	Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	13.12	
01 22 23 00-0589	WK	24'	Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	32.79	
01 22 23 00-0590	MO	24'	Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	98.37	
01 22 23 00-0591	Day	40'	Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	21.87	
01 22 23 00-0592	WK	40'	Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	54.68	
01 22 23 00-0593	MO	40'	Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	164.05	
01 22 23 00-0594	Day	40'	Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	23.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0595 WK 40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	58.29	
01 22 23 00-0596 MO 40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	174.87	
01 22 23 00-0597 Electrical Equipment (01 22 23)		
01 22 23 00-0598 Tripod Mounted Floodlights (01 22 23 00-0597)		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0599 DAY 500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	56.65	
01 22 23 00-0600 WK 500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	134.03	
01 22 23 00-0601 MO 500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	283.27	
01 22 23 00-0602 DAY 1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	56.65	
01 22 23 00-0603 WK 1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	165.82	
01 22 23 00-0604 MO 1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	490.54	
01 22 23 00-0605 DAY 2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	63.56	
01 22 23 00-0606 WK 2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	172.72	
01 22 23 00-0607 MO 2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	421.45	
01 22 23 00-0608 Trailer Mounted Floodlights (01 22 23 00-0597)		
Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0609 DAY 4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	158.91	
01 22 23 00-0610 WK 4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	352.36	
01 22 23 00-0611 MO 4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	759.99	
01 22 23 00-0612 Generator Sets (01 22 23 00-0597)		
01 22 23 00-0613 Portable, Gas Or Diesel Powered Generator Sets (01 22 23 00-0612)		
Note: With 24 hour day-tank. Includes delivery to job site and pick-up when complete. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0720 for reimbursable fuel fees.		
01 22 23 00-0614 DAY 3.6 KW, 8 HP Gas Powered Generator Set	42.15	
For LP Or NG Gas, Add		
For >160 To 320 Hours Usage Per Month, Add		
01 22 23 00-0615 WK 3.6 KW, 8 HP Gas Powered Generator Set	151.95	
For LP Or NG Gas, Add		
01 22 23 00-0616 MO 3.6 KW, 8 HP Gas Powered Generator Set	421.53	
For LP Or NG Gas, Add		
01 22 23 00-0617 DAY 5 KW, 11 HP Gas Powered Generator Set	59.80	
For LP Or NG Gas, Add		
01 22 23 00-0618 WK 5 KW, 11 HP Gas Powered Generator Set	191.16	
For LP Or NG Gas, Add		
01 22 23 00-0619 MO 5 KW, 11 HP Gas Powered Generator Set	436.23	
For LP Or NG Gas, Add		
01 22 23 00-0620 DAY 6.5 KW, 13 HP Gas Powered Generator Set	76.46	
For LP Or NG Gas, Add		
01 22 23 00-0621 WK 6.5 KW, 13 HP Gas Powered Generator Set	205.86	
For LP Or NG Gas, Add		
01 22 23 00-0622 MO 6.5 KW, 13 HP Gas Powered Generator Set	568.57	
For LP Or NG Gas, Add		
01 22 23 00-0623 DAY 10 KW, 18 HP Gas Powered Generator Set	85.29	
For LP Or NG Gas, Add		
01 22 23 00-0624 WK 10 KW, 18 HP Gas Powered Generator Set	230.37	
For LP Or NG Gas, Add		
01 22 23 00-0625 MO 10 KW, 18 HP Gas Powered Generator Set	661.70	
For LP Or NG Gas, Add		
01 22 23 00-0626 Towable, Diesel Powered Generator Sets (01 22 23 00-0612)		
Note: Includes 24 hour day-tank on sizes up to 180KW, 40 hour day-tank for sizes greater than 180KW To 300 KW and 1000 gallon for sizes greater than 300KW. Multi-voltage transformer unless stated otherwise, trailer mounted including sound attenuation and control panel. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0720 for reimbursable fuel fees.		
01 22 23 00-0627 DAY 20 KW, 60 Hertz Towable Diesel Powered Generator Set	175.47	
Note: Fuel consumption: 100% load - 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add		
For >16 To 24 Hours Usage Per Day, Add		
01 22 23 00-0628 WK 20 KW, 60 Hertz Towable Diesel Powered Generator Set	458.78	
Note: Fuel consumption: 100% load - 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add		
For >80 Hours Usage Per Week, Add		
01 22 23 00-0629 MO 20 KW, 60 Hertz Towable Diesel Powered Generator Set	1,249.88	
Note: Fuel consumption: 100% load - 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add		
For >320 Hours Usage Per Month, Add		
01 22 23 00-0630 DAY 30 KW, 60 Hertz Towable Diesel Powered Generator Set	318.25	
Note: Fuel consumption: 100% load - 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add		
For >16 To 24 Hours Usage Per Day, Add		

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0631	WK		30 KW, 60 Hertz Towable Diesel Powered Generator Set.....944.47 Note: Fuel consumption: 100% load - 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> 472.24 <i>For >80 Hours Usage Per Week, Add</i> 944.47		
01 22 23 00-0632	MO		30 KW, 60 Hertz Towable Diesel Powered Generator Set.....1,950.54 Note: Fuel consumption: 100% load - 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> 975.27 <i>For >320 Hours Usage Per Month, Add</i> 1,950.54		
01 22 23 00-0633	DAY		40.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....349.04 Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> 174.52 <i>For >16 To 24 Hours Usage Per Day, Add</i> 349.04		
01 22 23 00-0634	WK		40.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....975.27 Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> 487.64 <i>For >80 Hours Usage Per Week, Add</i> 975.27		
01 22 23 00-0635	MO		40.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....2,155.86 Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> 1,077.93 <i>For >320 Hours Usage Per Month, Add</i> 2,155.86		
01 22 23 00-0636	DAY		55.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....374.71 Note: Fuel consumption: 100% load - 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> 187.36 <i>For >16 To 24 Hours Usage Per Day, Add</i> 374.71		
01 22 23 00-0637	WK		55.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....1,026.60 Note: Fuel consumption: 100% load - 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> 513.30 <i>For >80 Hours Usage Per Week, Add</i> 1,026.60		
01 22 23 00-0638	MO		55.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....2,463.84 Note: Fuel consumption: 100% load - 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> 1,231.92 <i>For >320 Hours Usage Per Month, Add</i> 2,463.84		
01 22 23 00-0639	DAY		70.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....410.64 Note: Fuel consumption: 100% load - 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> 205.32 <i>For >16 To 24 Hours Usage Per Day, Add</i> 410.64		
01 22 23 00-0640	WK		70.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....1,165.19 Note: Fuel consumption: 100% load - 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> 582.60 <i>For >80 Hours Usage Per Week, Add</i> 1,165.19		
01 22 23 00-0641	MO		70.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....2,771.82 Note: Fuel consumption: 100% load - 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> 1,385.91 <i>For >320 Hours Usage Per Month, Add</i> 2,771.82		
01 22 23 00-0642	DAY		80.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....461.97 Note: Fuel consumption: 100% load - 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> 230.99 <i>For >16 To 24 Hours Usage Per Day, Add</i> 461.97		
01 22 23 00-0643	WK		80.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....1,231.92 Note: Fuel consumption: 100% load - 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> 615.96 <i>For >80 Hours Usage Per Week, Add</i> 1,231.92		
01 22 23 00-0644	MO		80.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....3,079.80 Note: Fuel consumption: 100% load - 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> 1,539.90 <i>For >320 Hours Usage Per Month, Add</i> 3,079.80		
01 22 23 00-0645	DAY		100.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....477.37 Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> 238.69 <i>For >16 To 24 Hours Usage Per Day, Add</i> 477.37		
01 22 23 00-0646	WK		100.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....1,283.25 Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> 641.63 <i>For >80 Hours Usage Per Week, Add</i> 1,283.25		
01 22 23 00-0647	MO		100.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....3,490.44 Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> 1,745.22 <i>For >320 Hours Usage Per Month, Add</i> 3,490.44		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0648 DAY 120.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	538.96	
Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	269.48	
For >16 To 24 Hours Usage Per Day, Add	538.96	
01 22 23 00-0649 WK 120.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,488.57	
Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	744.29	
For >80 Hours Usage Per Week, Add	1,488.57	
01 22 23 00-0650 MO 120.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	4,003.74	
Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	2,001.87	
For >320 Hours Usage Per Month, Add	4,003.74	
01 22 23 00-0651 DAY 140.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	564.63	
Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	282.32	
For >16 To 24 Hours Usage Per Day, Add	564.63	
01 22 23 00-0652 WK 140.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,565.56	
Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	782.78	
For >80 Hours Usage Per Week, Add	1,565.56	
01 22 23 00-0653 MO 140.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	4,414.38	
Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	2,207.19	
For >320 Hours Usage Per Month, Add	4,414.38	
01 22 23 00-0654 DAY 150.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	590.30	
Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	295.15	
For >16 To 24 Hours Usage Per Day, Add	590.30	
01 22 23 00-0655 WK 150.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,693.89	
Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	846.95	
For >80 Hours Usage Per Week, Add	1,693.89	
01 22 23 00-0656 MO 150.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	4,619.70	
Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	2,309.85	
For >320 Hours Usage Per Month, Add	4,619.70	
01 22 23 00-0657 DAY 160.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	615.96	
Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	307.98	
For >16 To 24 Hours Usage Per Day, Add	615.96	
01 22 23 00-0658 WK 160.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,796.55	
Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	898.28	
For >80 Hours Usage Per Week, Add	1,796.55	
01 22 23 00-0659 MO 160.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	4,825.02	
Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	2,412.51	
For >320 Hours Usage Per Month, Add	4,825.02	
01 22 23 00-0660 DAY 175.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	615.96	
Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	307.98	
For >16 To 24 Hours Usage Per Day, Add	615.96	
01 22 23 00-0661 WK 175.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,796.55	
Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	898.28	
For >80 Hours Usage Per Week, Add	1,796.55	
01 22 23 00-0662 MO 175.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	4,825.02	
Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	2,412.51	
For >320 Hours Usage Per Month, Add	4,825.02	
01 22 23 00-0663 DAY 200.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	846.94	
Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	423.47	
For >16 To 24 Hours Usage Per Day, Add	846.94	
01 22 23 00-0664 WK 200.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,104.53	
Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	1,052.27	
For >80 Hours Usage Per Week, Add	2,104.53	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0665	MO		200.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....6,159.60 Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> 3,079.80 <i>For >320 Hours Usage Per Month, Add</i> 6,159.60		
01 22 23 00-0666	DAY		250.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....898.28 Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> 449.14 <i>For >16 To 24 Hours Usage Per Day, Add</i> 898.28		
01 22 23 00-0667	WK		250.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....2,155.86 Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> 1,077.93 <i>For >80 Hours Usage Per Week, Add</i> 2,155.86		
01 22 23 00-0668	MO		250.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....6,364.92 Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> 3,182.46 <i>For >320 Hours Usage Per Month, Add</i> 6,364.92		
01 22 23 00-0669	DAY		275.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....949.60 Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> 474.80 <i>For >16 To 24 Hours Usage Per Day, Add</i> 949.60		
01 22 23 00-0670	WK		275.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....2,207.19 Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> 1,103.60 <i>For >80 Hours Usage Per Week, Add</i> 2,207.19		
01 22 23 00-0671	MO		275.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....6,570.24 Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> 3,285.12 <i>For >320 Hours Usage Per Month, Add</i> 6,570.24		
01 22 23 00-0672	DAY		300.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....980.40 Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> 490.20 <i>For >16 To 24 Hours Usage Per Day, Add</i> 980.40		
01 22 23 00-0673	WK		300.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....2,361.18 Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> 1,180.59 <i>For >80 Hours Usage Per Week, Add</i> 2,361.18		
01 22 23 00-0674	MO		300.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....6,980.88 Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> 3,490.44 <i>For >320 Hours Usage Per Month, Add</i> 6,980.88		
01 22 23 00-0675	DAY		350.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....1,026.60 Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> 513.30 <i>For >16 To 24 Hours Usage Per Day, Add</i> 1,026.60		
01 22 23 00-0676	WK		350.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....2,669.16 Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> 1,334.58 <i>For >80 Hours Usage Per Week, Add</i> 2,669.16		
01 22 23 00-0677	MO		350.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....7,699.50 Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> 3,849.75 <i>For >320 Hours Usage Per Month, Add</i> 7,699.50		
01 22 23 00-0678	DAY		400.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....1,559.96 Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> 779.98 <i>For >16 To 24 Hours Usage Per Day, Add</i> 1,559.96		
01 22 23 00-0679	WK		400.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....4,033.23 Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> 2,016.62 <i>For >80 Hours Usage Per Week, Add</i> 4,033.23		
01 22 23 00-0680	MO		400.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....10,666.40 Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> 5,333.20 <i>For >320 Hours Usage Per Month, Add</i> 10,666.40		
01 22 23 00-0681	DAY		500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....1,999.95 Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> 999.98 <i>For >16 To 24 Hours Usage Per Day, Add</i> 1,999.95		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0682 WK 500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	5,199.87	
Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	2,599.94	
For >80 Hours Usage Per Week, Add	5,199.87	
01 22 23 00-0683 MO 500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	11,999.70	
Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	5,999.85	
For >320 Hours Usage Per Month, Add	11,999.70	
01 22 23 00-0684 DAY 640.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	2,473.27	
Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	1,236.64	
For >16 To 24 Hours Usage Per Day, Add	2,473.27	
01 22 23 00-0685 WK 640.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	6,533.17	
Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	3,266.59	
For >80 Hours Usage Per Week, Add	6,533.17	
01 22 23 00-0686 MO 640.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	15,999.60	
Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	7,999.80	
For >320 Hours Usage Per Month, Add	15,999.60	
01 22 23 00-0687 DAY 750.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	2,673.27	
Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	1,336.64	
For >16 To 24 Hours Usage Per Day, Add	2,673.27	
01 22 23 00-0688 WK 750.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	6,159.85	
Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	3,079.93	
For >80 Hours Usage Per Week, Add	6,159.85	
01 22 23 00-0689 MO 750.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	18,479.54	
Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	9,239.77	
For >320 Hours Usage Per Month, Add	18,479.54	
01 22 23 00-0690 EA Up To 300 KW Generator Set Delivery, Set-Up, Testing And Pick-up.....	778.94	
01 22 23 00-0691 EA 350 To 750 KW Generator Set Delivery, Set-Up, Testing And Pick-up	1,249.90	
01 22 23 00-0692 Cabling For Generator Sets (01 22 23 00-0612)		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0693 DAY #1 Banded Cable, 50' With Camlock Ends For Generator Set	22.59	
01 22 23 00-0694 WK #1 Banded Cable, 50' With Camlock Ends For Generator Set	39.52	
01 22 23 00-0695 MO #1 Banded Cable, 50' With Camlock Ends For Generator Set	118.57	
01 22 23 00-0696 DAY 50', 4/0 Cable With Camlock Ends For Generator Set.....	11.29	
01 22 23 00-0697 WK 50', 4/0 Cable With Camlock Ends For Generator Set.....	32.85	
01 22 23 00-0698 MO 50', 4/0 Cable With Camlock Ends For Generator Set.....	91.37	
01 22 23 00-0699 Resistive Loadbanks For Generator Sets (01 22 23 00-0612)		
Note: Includes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0720 for reimbursable fuel fees.		
01 22 23 00-0700 DAY 100 KW A/C Resistive Loadbank.....	357.20	
01 22 23 00-0701 WK 100 KW A/C Resistive Loadbank.....	881.59	
01 22 23 00-0702 MO 100 KW A/C Resistive Loadbank.....	2,637.17	
01 22 23 00-0703 DAY 650 KW A/C Resistive Loadbank.....	601.91	
01 22 23 00-0704 WK 650 KW A/C Resistive Loadbank.....	1,609.66	
01 22 23 00-0705 MO 650 KW A/C Resistive Loadbank.....	4,103.95	
01 22 23 00-0706 Sub-Distribution Panels (Spider Box) For Generator Sets (01 22 23 00-0612)		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0707 DAY Sub-Distribution Panel (Spider Box)	55.44	
01 22 23 00-0708 WK Sub-Distribution Panel (Spider Box)	143.72	
01 22 23 00-0709 MO Sub-Distribution Panel (Spider Box)	405.51	
01 22 23 00-0710 Portable Distribution Panels For Generator Sets (01 22 23 00-0612)		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0711 DAY 200 Amp Portable Spider Box Feeder Panel.....	123.19	
01 22 23 00-0712 WK 200 Amp Portable Spider Box Feeder Panel.....	333.64	
01 22 23 00-0713 MO 200 Amp Portable Spider Box Feeder Panel	934.21	
01 22 23 00-0714 DAY 100 Amp Portable Quad Box Panel	100.61	
01 22 23 00-0715 WK 100 Amp Portable Quad Box Panel	261.78	
01 22 23 00-0716 MO 100 Amp Portable Quad Box Panel	744.28	
01 22 23 00-0717 DAY 200 Amp Portable Quad Box Panel	128.32	
01 22 23 00-0718 WK 200 Amp Portable Quad Box Panel	323.38	
01 22 23 00-0719 MO 200 Amp Portable Quad Box Panel	877.74	

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01 22 23 00-0720 Fuel Reimbursement For Generators (01 22 23 00-0612)

01 22 23 00-0721 EA Fuel Reimbursement For Generators 1.00
 Note: Purchases made by the contractor for fuel will be reimbursed to the Contractor at the actual cost of the purchase, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0000. The base cost of the purchase is \$1.00, quantity will adjust cost to actual purchase cost; i.e., quantity of 125 = \$125.00 purchase. If there are multiple purchases, each one shall be listed separately with a comment in the "note" block to identify the purchase.

01 22 23 00-0722 General Equipment (01 22 23)

01 22 23 00-0723 Jacks And Bracing (01 22 23 00-0722)
 Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0724 Manual Hydraulic Jacks (01 22 23 00-0723)

01 22 23 00-0725 DAY 12 Ton Manual Hydraulic Bottle Jack 1.68
 01 22 23 00-0726 WK 12 Ton Manual Hydraulic Bottle Jack 7.98
 01 22 23 00-0727 MO 12 Ton Manual Hydraulic Bottle Jack 28.68
 01 22 23 00-0728 DAY 20 Ton Manual Hydraulic Bottle Jack 2.94
 01 22 23 00-0729 WK 20 Ton Manual Hydraulic Bottle Jack 9.24
 01 22 23 00-0730 MO 20 Ton Manual Hydraulic Bottle Jack 34.98
 01 22 23 00-0731 DAY 50 Ton Manual Hydraulic Bottle Jack 10.50
 01 22 23 00-0732 WK 50 Ton Manual Hydraulic Bottle Jack 40.75
 01 22 23 00-0733 MO 50 Ton Manual Hydraulic Bottle Jack 146.59
 01 22 23 00-0734 DAY 100 Ton Manual Hydraulic Bottle Jack 14.70
 01 22 23 00-0735 WK 100 Ton Manual Hydraulic Bottle Jack 58.80
 01 22 23 00-0736 MO 100 Ton Manual Hydraulic Bottle Jack 211.81

01 22 23 00-0737 Manual Screw Jacks (01 22 23 00-0723)

01 22 23 00-0738 DAY 10 To 20 Ton Manual Screw Jack 15.12
 01 22 23 00-0739 WK 10 To 20 Ton Manual Screw Jack 40.70
 01 22 23 00-0740 MO 10 To 20 Ton Manual Screw Jack 112.81

01 22 23 00-0741 Pressure Washers (01 22 23 00-0722)
 Note: Includes full-time operator, delivery, set-up, and removal.

01 22 23 00-0742 DAY 2,000 PSI Pressure Washer With Full-Time Operator 669.04
For Equipment Without Operator, Deduct -558.49
 01 22 23 00-0743 WK 2,000 PSI Pressure Washer With Full-Time Operator 3,073.08
For Equipment Without Operator, Deduct -2,792.46
 01 22 23 00-0744 MO 2,000 PSI Pressure Washer With Full-Time Operator 12,750.74
For Equipment Without Operator, Deduct -12,036.45
 01 22 23 00-0745 DAY 2,500 PSI Pressure Washer With Full-Time Operator 642.55
For Equipment Without Operator, Deduct -558.49
 01 22 23 00-0746 WK 2,500 PSI Pressure Washer With Full-Time Operator 3,005.84
For Equipment Without Operator, Deduct -2,792.46
 01 22 23 00-0747 MO 2,500 PSI Pressure Washer With Full-Time Operator 12,579.59
For Equipment Without Operator, Deduct -12,036.45
 01 22 23 00-0748 DAY 3,000 PSI Pressure Washer With Full-Time Operator 669.04
For Equipment Without Operator, Deduct -558.49
 01 22 23 00-0749 WK 3,000 PSI Pressure Washer With Full-Time Operator 3,073.08
For Equipment Without Operator, Deduct -2,792.46
 01 22 23 00-0750 MO 3,000 PSI Pressure Washer With Full-Time Operator 12,750.74
For Equipment Without Operator, Deduct -12,036.45
 01 22 23 00-0751 DAY 3,500 PSI Pressure Washer With Full-Time Operator 649.01
For Equipment Without Operator, Deduct -558.49
 01 22 23 00-0752 WK 3,500 PSI Pressure Washer With Full-Time Operator 3,025.24
For Equipment Without Operator, Deduct -2,792.46
 01 22 23 00-0753 MO 3,500 PSI Pressure Washer With Full-Time Operator 12,631.32
For Equipment Without Operator, Deduct -12,036.45
 01 22 23 00-0754 DAY 4,000 PSI Pressure Washer With Full-Time Operator 711.55
For Equipment Without Operator, Deduct -558.49
 01 22 23 00-0755 WK 4,000 PSI Pressure Washer With Full-Time Operator 3,209.13
For Equipment Without Operator, Deduct -2,792.46
 01 22 23 00-0756 MO 4,000 PSI Pressure Washer With Full-Time Operator 13,201.43
For Equipment Without Operator, Deduct -12,036.45
 01 22 23 00-0757 DAY 5,000 PSI Pressure Washer With Full-Time Operator 687.81
For Equipment Without Operator, Deduct -558.49
 01 22 23 00-0758 WK 5,000 PSI Pressure Washer With Full-Time Operator 3,141.62
For Equipment Without Operator, Deduct -2,792.46
 01 22 23 00-0759 MO 5,000 PSI Pressure Washer With Full-Time Operator 13,019.28
For Equipment Without Operator, Deduct -12,036.45

01 22 23 00-0760 Confined Space Entry Equipment (01 22 23 00-0722)
 Note: Includes delivery, set-up, and removal.

01 22 23 00-0761 DAY Ventilation Equipment For Confined Space 45.24
 Note: Includes electric or gas blower and ventilation duct up to 25'.
 01 22 23 00-0762 WK Ventilation Equipment For Confined Space 135.71
 Note: Includes electric or gas blower and ventilation duct up to 25'.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0763	MO		Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	404.99	
01 22 23 00-0764	DAY		Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	35.37	
01 22 23 00-0765	WK		Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	106.11	
01 22 23 00-0766	MO		Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	318.34	
01 22 23 00-0767	DAY		Confined Space Air Monitor Personnel..... Note: Per person day.	692.85	
01 22 23 00-0768			Space Heaters (01 22 23 00-0722) Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0769	DAY		150,000 BTU/Hour Space Heater	55.38	
01 22 23 00-0770	WK		150,000 BTU/Hour Space Heater	159.23	
01 22 23 00-0771	MO		150,000 BTU/Hour Space Heater	450.00	
01 22 23 00-0772	DAY		500,000 BTU/Hour Space Heater	117.69	
01 22 23 00-0773	WK		500,000 BTU/Hour Space Heater	290.77	
01 22 23 00-0774	MO		500,000 BTU/Hour Space Heater	735.22	
01 22 23 00-0775			Mowers (01 22 23 00-0722) Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0776	DAY		21" Walk Behind Lawn Mower	51.73	
01 22 23 00-0777	WK		21" Walk Behind Lawn Mower	148.72	
01 22 23 00-0778	MO		21" Walk Behind Lawn Mower	303.90	
01 22 23 00-0779	DAY		32" Walk Behind Lawn Mower	64.66	
01 22 23 00-0780	WK		32" Walk Behind Lawn Mower	155.18	
01 22 23 00-0781	MO		32" Walk Behind Lawn Mower	323.30	
01 22 23 00-0782	DAY		36" To 48" Walk Behind Deck Mower	116.39	
01 22 23 00-0783	WK		36" To 48" Walk Behind Deck Mower	323.30	
01 22 23 00-0784	MO		36" To 48" Walk Behind Deck Mower	937.57	
01 22 23 00-0785	DAY		61" To 72" Walk Behind Deck Mower	116.39	
01 22 23 00-0786	WK		61" To 72" Walk Behind Deck Mower	323.30	
01 22 23 00-0787	MO		61" To 72" Walk Behind Deck Mower	937.57	
01 22 23 00-0788			Material Handling Equipment (01 22 23)		
01 22 23 00-0789			Truck Mounted Hydraulic Cranes (01 22 23 00-0788) Note: Includes full-time operator. Include delivery, set-up, rigging, and removal time in rental period. Excludes lattice boom extension.		
01 22 23 00-0790	DAY		6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,105.53	
			<i>For Equipment Without Operator, Deduct</i>	-736.60	
01 22 23 00-0791	WK		6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	4,800.63	
			<i>For Equipment Without Operator, Deduct</i>	-3,682.98	
01 22 23 00-0792	MO		6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	19,238.72	
			<i>For Equipment Without Operator, Deduct</i>	-15,874.91	
01 22 23 00-0793	DAY		8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,203.19	
			<i>For Equipment Without Operator, Deduct</i>	-736.60	
01 22 23 00-0794	WK		8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	5,090.90	
			<i>For Equipment Without Operator, Deduct</i>	-3,682.98	
01 22 23 00-0795	MO		8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	20,106.80	
			<i>For Equipment Without Operator, Deduct</i>	-15,874.91	
01 22 23 00-0796	DAY		14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,300.85	
			<i>For Equipment Without Operator, Deduct</i>	-736.60	
01 22 23 00-0797	WK		14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	5,381.16	
			<i>For Equipment Without Operator, Deduct</i>	-3,682.98	
01 22 23 00-0798	MO		14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	20,974.88	
			<i>For Equipment Without Operator, Deduct</i>	-15,874.91	
01 22 23 00-0799	DAY		20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,431.06	
			<i>For Equipment Without Operator, Deduct</i>	-736.60	
01 22 23 00-0800	WK		20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	5,771.80	
			<i>For Equipment Without Operator, Deduct</i>	-3,682.98	
01 22 23 00-0801	MO		20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	22,141.36	
			<i>For Equipment Without Operator, Deduct</i>	-15,874.91	
01 22 23 00-0802	DAY		30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,550.42	
			<i>For Equipment Without Operator, Deduct</i>	-736.60	
01 22 23 00-0803	WK		30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	6,580.20	
			<i>For Equipment Without Operator, Deduct</i>	-3,682.98	
01 22 23 00-0804	MO		30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	24,564.39	
			<i>For Equipment Without Operator, Deduct</i>	-15,874.91	
01 22 23 00-0805	DAY		40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,832.55	
			<i>For Equipment Without Operator, Deduct</i>	-736.60	
01 22 23 00-0806	WK		40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	7,589.34	
			<i>For Equipment Without Operator, Deduct</i>	-3,682.98	
01 22 23 00-0807	MO		40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	27,593.99	
			<i>For Equipment Without Operator, Deduct</i>	-15,874.91	
01 22 23 00-0808	DAY		50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,011.59	
			<i>For Equipment Without Operator, Deduct</i>	-736.60	
01 22 23 00-0809	WK		50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	8,218.70	
			<i>For Equipment Without Operator, Deduct</i>	-3,682.98	
01 22 23 00-0810	MO		50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	29,486.40	
			<i>For Equipment Without Operator, Deduct</i>	-15,874.91	

01	General Requirements
01 20	Price And Payment Procedures
01 22	Unit Prices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0811 DAY 60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,152.66 -736.60	
01 22 23 00-0812 WK 60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	8,728.70 -3,682.98	
01 22 23 00-0813 MO 60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	31,014.23 -15,874.91	
01 22 23 00-0814 DAY 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,293.72 -736.60	
01 22 23 00-0815 WK 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	9,238.69 -3,682.98	
01 22 23 00-0816 MO 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	32,542.05 -15,874.91	
01 22 23 00-0817 DAY 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,385.95 -736.60	
01 22 23 00-0818 WK 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	9,553.37 -3,682.98	
01 22 23 00-0819 MO 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	33,496.93 -15,874.91	
01 22 23 00-0820 DAY 100 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,506.86 -732.72	
01 22 23 00-0821 WK 100 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	10,000.60 -3,663.62	
01 22 23 00-0822 MO 100 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	34,802.42 -15,791.47	
01 22 23 00-0823 Cable Controlled Lattice Boom, Truck Mounted Mechanical Cranes (01 22 23 00-0788) Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0824 DAY 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	2,038.72 -736.60	
01 22 23 00-0825 WK 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	8,327.21 -3,682.98	
01 22 23 00-0826 MO 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	29,807.59 -15,874.91	
01 22 23 00-0827 DAY 100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	3,042.44 -736.60	
01 22 23 00-0828 WK 100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	9,998.26 -3,682.98	
01 22 23 00-0829 MO 100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	34,820.76 -15,874.91	
01 22 23 00-0830 DAY 125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	3,205.20 -736.60	
01 22 23 00-0831 WK 125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	11,186.45 -3,682.98	
01 22 23 00-0832 MO 125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	38,384.22 -15,874.91	
01 22 23 00-0833 DAY 150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	3,530.73 -736.60	
01 22 23 00-0834 WK 150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	12,374.63 -3,682.98	
01 22 23 00-0835 MO 150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	41,943.35 -15,874.91	
01 22 23 00-0836 DAY 250 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	3,839.99 -736.60	
01 22 23 00-0837 WK 250 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	14,751.00 -3,682.98	
01 22 23 00-0838 MO 250 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	49,078.97 -15,874.91	
01 22 23 00-0839 DAY 300 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	4,349.98 -736.60	
01 22 23 00-0840 WK 300 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	16,579.39 -3,682.98	
01 22 23 00-0841 MO 300 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	54,556.55 -15,874.91	
01 22 23 00-0842 DAY 500 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	7,485.92 -736.60	
01 22 23 00-0843 WK 500 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	27,755.92 -3,682.98	
01 22 23 00-0844 MO 500 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	88,099.17 -15,874.91	
01 22 23 00-0845 Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklifts (01 22 23 00-0788) Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0846 DAY 5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,085.69 -692.85	
01 22 23 00-0847 WK 5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	4,425.69 -3,464.26	
01 22 23 00-0848 MO 5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	16,999.77 -14,932.17	
01 22 23 00-0849 DAY 6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,127.05 -692.85	
01 22 23 00-0850 WK 6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	4,518.74 -3,464.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0851 MO 6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	17,206.53	
<i>For Equipment Without Operator, Deduct</i>	-14,932.17	
01 22 23 00-0852 DAY 8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,116.71	
<i>For Equipment Without Operator, Deduct</i>	-692.85	
01 22 23 00-0853 WK 8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	4,565.26	
<i>For Equipment Without Operator, Deduct</i>	-3,464.26	
01 22 23 00-0854 MO 8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	17,516.67	
<i>For Equipment Without Operator, Deduct</i>	-14,932.17	
01 22 23 00-0855 DAY 10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,235.59	
<i>For Equipment Without Operator, Deduct</i>	-692.85	
01 22 23 00-0856 WK 10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	4,875.40	
<i>For Equipment Without Operator, Deduct</i>	-3,464.26	
01 22 23 00-0857 MO 10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	18,240.33	
<i>For Equipment Without Operator, Deduct</i>	-14,932.17	
01 22 23 00-0858 Straight Mast, Rough Terrain Construction Forklifts <small>(01 22 23 00-0788)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0859 DAY 5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	948.20	
<i>For Equipment Without Operator, Deduct</i>	-692.85	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	51.07	
01 22 23 00-0860 WK 5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	4,161.56	
<i>For Equipment Without Operator, Deduct</i>	-3,464.26	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	139.46	
01 22 23 00-0861 MO 5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	16,528.10	
<i>For Equipment Without Operator, Deduct</i>	-14,932.17	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	319.19	
01 22 23 00-0862 DAY 6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	961.64	
<i>For Equipment Without Operator, Deduct</i>	-692.85	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	53.76	
01 22 23 00-0863 WK 6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	4,198.26	
<i>For Equipment Without Operator, Deduct</i>	-3,464.26	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	146.80	
01 22 23 00-0864 MO 6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	16,612.09	
<i>For Equipment Without Operator, Deduct</i>	-14,932.17	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	335.98	
01 22 23 00-0865 DAY 8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	1,034.00	
<i>For Equipment Without Operator, Deduct</i>	-692.85	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	68.23	
01 22 23 00-0866 WK 8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	4,399.85	
<i>For Equipment Without Operator, Deduct</i>	-3,464.26	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	187.12	
01 22 23 00-0867 MO 8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	17,077.31	
<i>For Equipment Without Operator, Deduct</i>	-14,932.17	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	429.03	
01 22 23 00-0868 DAY 10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	1,073.86	
<i>For Equipment Without Operator, Deduct</i>	-692.85	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	76.20	
01 22 23 00-0869 WK 10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	4,382.58	
<i>For Equipment Without Operator, Deduct</i>	-3,464.26	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	183.66	
01 22 23 00-0870 MO 10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	17,218.21	
<i>For Equipment Without Operator, Deduct</i>	-14,932.17	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	457.21	
01 22 23 00-0871 Straight Mast, Industrial Warehouse Forklifts <small>(01 22 23 00-0788)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0872 DAY 5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	909.95	
<i>For Equipment Without Operator, Deduct</i>	-692.85	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	43.42	
01 22 23 00-0873 WK 5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	3,960.48	
<i>For Equipment Without Operator, Deduct</i>	-3,464.26	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	99.24	
01 22 23 00-0874 MO 5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	16,121.04	
<i>For Equipment Without Operator, Deduct</i>	-14,932.17	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	237.77	
01 22 23 00-0875 DAY 6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	915.12	
<i>For Equipment Without Operator, Deduct</i>	-692.85	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	44.45	
01 22 23 00-0876 WK 6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	3,975.99	
<i>For Equipment Without Operator, Deduct</i>	-3,464.26	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	102.35	
01 22 23 00-0877 MO 6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	16,157.22	
<i>For Equipment Without Operator, Deduct</i>	-14,932.17	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	245.01	
01 22 23 00-0878 DAY 8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	1,023.67	
<i>For Equipment Without Operator, Deduct</i>	-692.85	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	66.16	
01 22 23 00-0879 WK 8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	4,213.76	
<i>For Equipment Without Operator, Deduct</i>	-3,464.26	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	149.90	
01 22 23 00-0880 MO 8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	16,741.32	
<i>For Equipment Without Operator, Deduct</i>	-14,932.17	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	361.83	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0881	DAY		12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	1,034.00	
			<i>For Equipment Without Operator, Deduct</i>	-692.85	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	68.23	
01 22 23 00-0882	WK		12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	4,301.64	
			<i>For Equipment Without Operator, Deduct</i>	-3,464.26	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	167.48	
01 22 23 00-0883	MO		12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	17,051.46	
			<i>For Equipment Without Operator, Deduct</i>	-14,932.17	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	423.86	
01 22 23 00-0884	DAY		15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	1,127.05	
			<i>For Equipment Without Operator, Deduct</i>	-692.85	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	86.84	
01 22 23 00-0885	WK		15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	4,451.54	
			<i>For Equipment Without Operator, Deduct</i>	-3,464.26	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	197.46	
01 22 23 00-0886	MO		15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	17,309.91	
			<i>For Equipment Without Operator, Deduct</i>	-14,932.17	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	475.55	
01 22 23 00-0887			Chain Hoists (01 22 23 00-0788)		
			Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0888	DAY		1 Ton, 20' Lift, Manual Chain Hoist.....	12.60	
01 22 23 00-0889	WK		1 Ton, 20' Lift, Manual Chain Hoist.....	32.76	
01 22 23 00-0890	MO		1 Ton, 20' Lift, Manual Chain Hoist.....	97.02	
01 22 23 00-0891	DAY		3 Ton, 20' Lift, Manual Chain Hoist.....	35.28	
01 22 23 00-0892	WK		3 Ton, 20' Lift, Manual Chain Hoist.....	83.16	
01 22 23 00-0893	MO		3 Ton, 20' Lift, Manual Chain Hoist.....	233.10	
01 22 23 00-0894	DAY		5 Ton, 20' Lift, Manual Chain Hoist.....	45.36	
01 22 23 00-0895	WK		5 Ton, 20' Lift, Manual Chain Hoist.....	122.22	
01 22 23 00-0896	MO		5 Ton, 20' Lift, Manual Chain Hoist.....	340.20	
01 22 23 00-0897	DAY		2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	89.46	
01 22 23 00-0898	WK		2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	233.10	
01 22 23 00-0899	MO		2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	630.00	
01 22 23 00-0900	DAY		3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	90.72	
01 22 23 00-0901	WK		3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	242.55	
01 22 23 00-0902	MO		3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	661.50	
01 22 23 00-0903	DAY		5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	93.24	
01 22 23 00-0904	WK		5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	261.45	
01 22 23 00-0905	MO		5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	724.50	
01 22 23 00-0906			Roof Swing Hoist (01 22 23 00-0788)		
01 22 23 00-0907	DAY		Up To 400#, Manual Swing Roof Hoist.....	55.30	
01 22 23 00-0908	WK		Up To 400#, Manual Swing Roof Hoist.....	193.53	
01 22 23 00-0909	MO		Up To 400#, Manual Swing Roof Hoist.....	663.54	
01 22 23 00-0910			Pumping Equipment (01 22 23)		
01 22 23 00-0911			Gas Powered Portable Centrifugal Pumps (01 22 23 00-0910)		
			Note: Includes delivery, set-up, and removal. Excludes operator. See CSI section 01 22 23 00-0935 for larger diameter pumps.		
01 22 23 00-0912	DAY		8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump.....	59.29	
01 22 23 00-0913	WK		8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump.....	133.41	
01 22 23 00-0914	MO		8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump.....	355.75	
01 22 23 00-0915	DAY		16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump.....	71.15	
01 22 23 00-0916	WK		16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump.....	160.09	
01 22 23 00-0917	MO		16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump.....	426.90	
01 22 23 00-0918			Gas Powered Portable Diaphragm Pumps (01 22 23 00-0910)		
			Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0919	DAY		3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump.....	68.19	
01 22 23 00-0920	WK		3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump.....	192.70	
01 22 23 00-0921	MO		3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump.....	489.16	
01 22 23 00-0922	DAY		5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump.....	83.01	
01 22 23 00-0923	WK		5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump.....	222.34	
01 22 23 00-0924	MO		5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump.....	629.98	
01 22 23 00-0925			Gas Powered Portable Trash Pumps (01 22 23 00-0910)		
			Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0926	DAY		12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump.....	85.97	
01 22 23 00-0927	WK		12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump.....	177.88	
01 22 23 00-0928	MO		12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump.....	533.63	
01 22 23 00-0929	DAY		25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	85.97	
01 22 23 00-0930	WK		25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	229.76	
01 22 23 00-0931	MO		25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	629.98	
01 22 23 00-0932	DAY		35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	136.37	
01 22 23 00-0933	WK		35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	385.40	
01 22 23 00-0934	MO		35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	1,119.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0935

Diesel Powered Portable Trash Pumps (01 22 23 00-0910)

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

01 22 23 00-0936	DAY	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	266.81
01 22 23 00-0937	WK	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	726.33
01 22 23 00-0938	MO	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	3,164.71
01 22 23 00-0939	DAY	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	407.63
01 22 23 00-0940	WK	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	1,067.26
01 22 23 00-0941	MO	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	2,838.60
01 22 23 00-0942	DAY	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	554.38
01 22 23 00-0943	WK	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	1,483.78
01 22 23 00-0944	MO	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	3,969.60
01 22 23 00-0945	DAY	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	717.43
01 22 23 00-0946	WK	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	1,832.12
01 22 23 00-0947	MO	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	5,380.75

01 22 23 00-0948

Diesel Powered Portable Silenced Environmental Trash Pumps (01 22 23 00-0910)

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

01 22 23 00-0949	DAY	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	380.95
01 22 23 00-0950	WK	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	867.15
01 22 23 00-0951	MO	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,703.72
01 22 23 00-0952	DAY	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	466.92
01 22 23 00-0953	WK	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,163.61
01 22 23 00-0954	MO	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	3,164.71
01 22 23 00-0955	DAY	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	563.27
01 22 23 00-0956	WK	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,666.11
01 22 23 00-0957	MO	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	4,647.01
01 22 23 00-0958	DAY	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	847.88
01 22 23 00-0959	WK	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,165.64
01 22 23 00-0960	MO	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	6,359.07

01 22 23 00-0961

3 Phase Electric Submersible Pumps (01 22 23 00-0910)

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

01 22 23 00-0962	DAY	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	148.23
01 22 23 00-0963	WK	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	370.58
01 22 23 00-0964	MO	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	1,111.72
01 22 23 00-0965	DAY	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	195.66
01 22 23 00-0966	WK	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	489.16
01 22 23 00-0967	MO	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	1,467.48

01 22 23 00-0968

Suction Hose With Couplings (01 22 23 00-0910)

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

01 22 23 00-0969	DAY	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	4.46
01 22 23 00-0970	WK	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	11.16
01 22 23 00-0971	MO	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	34.22
01 22 23 00-0972	DAY	3" Inside Diameter, 20' Length, Suction Hose With Couplings	11.90
01 22 23 00-0973	WK	3" Inside Diameter, 20' Length, Suction Hose With Couplings	30.50
01 22 23 00-0974	MO	3" Inside Diameter, 20' Length, Suction Hose With Couplings	93.00
01 22 23 00-0975	DAY	4" Inside Diameter, 20' Length, Suction Hose With Couplings	17.86
01 22 23 00-0976	WK	4" Inside Diameter, 20' Length, Suction Hose With Couplings	45.38
01 22 23 00-0977	MO	4" Inside Diameter, 20' Length, Suction Hose With Couplings	137.64
01 22 23 00-0978	DAY	6" Inside Diameter, 20' Length, Suction Hose With Couplings	22.32
01 22 23 00-0979	WK	6" Inside Diameter, 20' Length, Suction Hose With Couplings	55.80
01 22 23 00-0980	MO	6" Inside Diameter, 20' Length, Suction Hose With Couplings	163.68
01 22 23 00-0981	DAY	10" Inside Diameter, 20' Length, Suction Hose With Couplings	52.08
01 22 23 00-0982	WK	10" Inside Diameter, 20' Length, Suction Hose With Couplings	133.92
01 22 23 00-0983	MO	10" Inside Diameter, 20' Length, Suction Hose With Couplings	394.32
01 22 23 00-0984	DAY	12" Inside Diameter, 20' Length, Suction Hose With Couplings	69.94
01 22 23 00-0985	WK	12" Inside Diameter, 20' Length, Suction Hose With Couplings	152.52
01 22 23 00-0986	MO	12" Inside Diameter, 20' Length, Suction Hose With Couplings	457.56

01 22 23 00-0987

Discharge Hose With Couplings (01 22 23 00-0910)

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

01 22 23 00-0988	DAY	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	4.46
01 22 23 00-0989	WK	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	11.16
01 22 23 00-0990	MO	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	34.22
01 22 23 00-0991	DAY	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	5.21
01 22 23 00-0992	WK	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	12.65
01 22 23 00-0993	MO	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	39.43
01 22 23 00-0994	DAY	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	5.95
01 22 23 00-0995	WK	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	14.88



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01 22 23 00-0996	MO	3" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	45.38
01 22 23 00-0997	DAY	4" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	15.62
01 22 23 00-0998	WK	4" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	40.18
01 22 23 00-0999	MO	4" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	115.32
01 22 23 00-1000	DAY	6" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	19.34
01 22 23 00-1001	WK	6" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	52.82
01 22 23 00-1002	MO	6" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	145.08
01 22 23 00-1003	DAY	10" Inside Diameter, 10' Length, Discharge Hose With Couplings.....	14.88
01 22 23 00-1004	WK	10" Inside Diameter, 10' Length, Discharge Hose With Couplings.....	37.20
01 22 23 00-1005	MO	10" Inside Diameter, 10' Length, Discharge Hose With Couplings.....	111.60
01 22 23 00-1006	DAY	12" Inside Diameter, 10' Length, Discharge Hose With Couplings.....	37.94
01 22 23 00-1007	WK	12" Inside Diameter, 10' Length, Discharge Hose With Couplings.....	96.72
01 22 23 00-1008	MO	12" Inside Diameter, 10' Length, Discharge Hose With Couplings.....	286.44

01 22 23 00-1009 Hydraulic Submersible Pumps (01 22 23 00-0910)

01 22 23 00-1010 Hydraulic Submersible Pumps (01 22 23 00-1009)

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

01 22 23 00-1011	DAY	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	97.83
01 22 23 00-1012	WK	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	262.37
01 22 23 00-1013	MO	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	733.74
01 22 23 00-1014	DAY	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	124.51
01 22 23 00-1015	WK	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	320.18
01 22 23 00-1016	MO	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	978.32

01 22 23 00-1017 Hydraulic Submersible Pump Diesel Power Packs (01 22 23 00-1009)

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

01 22 23 00-1018	DAY	100 HP, Hydraulic Submersible Pump Diesel Power Pack	226.05
01 22 23 00-1019	WK	100 HP, Hydraulic Submersible Pump Diesel Power Pack	674.45
01 22 23 00-1020	MO	100 HP, Hydraulic Submersible Pump Diesel Power Pack	1,778.76

01 22 23 00-1021 HDPE Pipe With Couplings (01 22 23 00-0910)

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

01 22 23 00-1022	DAY	4" x 20' HDPE Pipe With Couplings	6.25
01 22 23 00-1023	WK	4" x 20' HDPE Pipe With Couplings	15.00
01 22 23 00-1024	MON	4" x 20' HDPE Pipe With Couplings	46.25
01 22 23 00-1025	DAY	6" x 20' HDPE Pipe With Couplings	10.00
01 22 23 00-1026	WK	6" x 20' HDPE Pipe With Couplings	25.00
01 22 23 00-1027	MON	6" x 20' HDPE Pipe With Couplings	76.25
01 22 23 00-1028	DAY	8" x 20' HDPE Pipe With Couplings	16.25
01 22 23 00-1029	WK	8" x 20' HDPE Pipe With Couplings	42.50
01 22 23 00-1030	MON	8" x 20' HDPE Pipe With Couplings	126.25
01 22 23 00-1031	DAY	10" x 20' HDPE Pipe With Couplings	20.00
01 22 23 00-1032	WK	10" x 20' HDPE Pipe With Couplings	51.25
01 22 23 00-1033	MON	10" x 20' HDPE Pipe With Couplings	156.25
01 22 23 00-1034	DAY	12" x 10' HDPE Pipe With Couplings	15.00
01 22 23 00-1035	WK	12" x 10' HDPE Pipe With Couplings	41.25
01 22 23 00-1036	MON	12" x 10' HDPE Pipe With Couplings	125.00
01 22 23 00-1037	DAY	4" Elbow For HDPE Pipe, Quick Connect	15.00
01 22 23 00-1038	WK	4" Elbow For HDPE Pipe, Quick Connect	38.75
01 22 23 00-1039	MON	4" Elbow For HDPE Pipe, Quick Connect	115.00
01 22 23 00-1040	DAY	6" Elbow For HDPE Pipe, Quick Connect	17.50
01 22 23 00-1041	WK	6" Elbow For HDPE Pipe, Quick Connect	45.00
01 22 23 00-1042	MON	6" Elbow For HDPE Pipe, Quick Connect	137.50
01 22 23 00-1043	DAY	8" Elbow For HDPE Pipe, Quick Connect	20.00
01 22 23 00-1044	WK	8" Elbow For HDPE Pipe, Quick Connect	51.25
01 22 23 00-1045	MON	8" Elbow For HDPE Pipe, Quick Connect	156.25
01 22 23 00-1046	DAY	10" Elbow For HDPE Pipe, Quick Connect	25.00
01 22 23 00-1047	WK	10" Elbow For HDPE Pipe, Quick Connect	63.75
01 22 23 00-1048	MON	10" Elbow For HDPE Pipe, Quick Connect	193.75
01 22 23 00-1049	DAY	12" Elbow For HDPE Pipe, Quick Connect	25.00
01 22 23 00-1050	WK	12" Elbow For HDPE Pipe, Quick Connect	63.75
01 22 23 00-1051	MON	12" Elbow For HDPE Pipe, Quick Connect	193.75
01 22 23 00-1052	DAY	4" Tee For HDPE Pipe, Quick Connect	15.00
01 22 23 00-1053	WK	4" Tee For HDPE Pipe, Quick Connect	38.75
01 22 23 00-1054	MON	4" Tee For HDPE Pipe, Quick Connect	115.00
01 22 23 00-1055	DAY	6" Tee For HDPE Pipe, Quick Connect	20.00
01 22 23 00-1056	WK	6" Tee For HDPE Pipe, Quick Connect	51.25
01 22 23 00-1057	MON	6" Tee For HDPE Pipe, Quick Connect	156.25
01 22 23 00-1058	DAY	8" Tee For HDPE Pipe, Quick Connect	25.00
01 22 23 00-1059	WK	8" Tee For HDPE Pipe, Quick Connect	63.75
01 22 23 00-1060	MON	8" Tee For HDPE Pipe, Quick Connect	193.75
01 22 23 00-1061	DAY	10" Tee For HDPE Pipe, Quick Connect	30.00
01 22 23 00-1062	WK	10" Tee For HDPE Pipe, Quick Connect	76.25
01 22 23 00-1063	MON	10" Tee For HDPE Pipe, Quick Connect	231.25
01 22 23 00-1064	DAY	12" Tee For HDPE Pipe, Quick Connect	30.00
01 22 23 00-1065	WK	12" Tee For HDPE Pipe, Quick Connect	76.25
01 22 23 00-1066	MON	12" Tee For HDPE Pipe, Quick Connect	231.25
01 22 23 00-1067	DAY	4" Cap For HDPE Pipe, Quick Connect	2.50



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1068 WK 4" Cap For HDPE Pipe, Quick Connect.....	7.50	
01 22 23 00-1069 MON 4" Cap For HDPE Pipe, Quick Connect.....	22.50	
01 22 23 00-1070 DAY 6" Cap For HDPE Pipe, Quick Connect.....	2.50	
01 22 23 00-1071 WK 6" Cap For HDPE Pipe, Quick Connect.....	7.50	
01 22 23 00-1072 MON 6" Cap For HDPE Pipe, Quick Connect.....	22.50	
01 22 23 00-1073 DAY 8" Cap For HDPE Pipe, Quick Connect.....	2.50	
01 22 23 00-1074 WK 8" Cap For HDPE Pipe, Quick Connect.....	7.50	
01 22 23 00-1075 MON 8" Cap For HDPE Pipe, Quick Connect.....	22.50	
01 22 23 00-1076 DAY 10" Cap For HDPE Pipe, Quick Connect.....	2.50	
01 22 23 00-1077 WK 10" Cap For HDPE Pipe, Quick Connect.....	7.50	
01 22 23 00-1078 MON 10" Cap For HDPE Pipe, Quick Connect.....	22.50	
01 22 23 00-1079 DAY 12" Cap For HDPE Pipe, Quick Connect.....	2.50	
01 22 23 00-1080 WK 12" Cap For HDPE Pipe, Quick Connect.....	7.50	
01 22 23 00-1081 MON 12" Cap For HDPE Pipe, Quick Connect.....	22.50	
01 22 23 00-1082 DAY 4" Wye For HDPE Pipe, Quick Connect.....	7.50	
01 22 23 00-1083 WK 4" Wye For HDPE Pipe, Quick Connect.....	18.75	
01 22 23 00-1084 MON 4" Wye For HDPE Pipe, Quick Connect.....	57.50	
01 22 23 00-1085 DAY 6" Wye For HDPE Pipe, Quick Connect.....	8.75	
01 22 23 00-1086 WK 6" Wye For HDPE Pipe, Quick Connect.....	22.50	
01 22 23 00-1087 MON 6" Wye For HDPE Pipe, Quick Connect.....	68.75	
01 22 23 00-1088 DAY 8" Wye For HDPE Pipe, Quick Connect.....	15.00	
01 22 23 00-1089 WK 8" Wye For HDPE Pipe, Quick Connect.....	38.75	
01 22 23 00-1090 MON 8" Wye For HDPE Pipe, Quick Connect.....	115.00	
01 22 23 00-1091 DAY 10" Wye For HDPE Pipe, Quick Connect.....	22.50	
01 22 23 00-1092 WK 10" Wye For HDPE Pipe, Quick Connect.....	57.50	
01 22 23 00-1093 MON 10" Wye For HDPE Pipe, Quick Connect.....	175.00	
01 22 23 00-1094 DAY 12" Wye For HDPE Pipe, Quick Connect.....	22.50	
01 22 23 00-1095 WK 12" Wye For HDPE Pipe, Quick Connect.....	57.50	
01 22 23 00-1096 MON 12" Wye For HDPE Pipe, Quick Connect.....	175.00	
01 22 23 00-1097 Temporary Building Services (01 22 23)		
01 22 23 00-1098 Boilers (01 22 23 00-1097) Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-1099 Electric Boilers (01 22 23 00-1099)		
01 22 23 00-1100 MO 40 MBH, 12 KW Electric Boiler Rental.....	1,733.49	
01 22 23 00-1101 MO 60 MBH, 20 KW Electric Boiler Rental.....	1,891.11	
01 22 23 00-1102 MO 95 MBH, 30 KW Electric Boiler Rental.....	1,969.92	
01 22 23 00-1103 MO 135 MBH, 40 KW Electric Boiler Rental.....	2,206.26	
01 22 23 00-1104 MO 165 MBH, 50 KW Electric Boiler Rental.....	3,073.01	
01 22 23 00-1105 MO 215 MBH, 60 KW Electric Boiler Rental.....	3,545.79	
01 22 23 00-1106 MO 365 MBH, 100 KW Electric Boiler Rental.....	4,648.96	
01 22 23 00-1107 MO 510 MBH, 150 KW Electric Boiler Rental.....	5,673.32	
01 22 23 00-1108 Oil/Gas Fired Boilers (01 22 23 00-1098)		
01 22 23 00-1109 MO Up To 100 HP, Gas/Oil Dual Fuel Boiler Rental.....	6,304.50	
For >3 Months Rental, Deduct	-945.68	
01 22 23 00-1110 MO >100 HP To 250 HP, Gas/Oil Dual Fuel Boiler Rental.....	8,195.85	
For >3 Months Rental, Deduct	-1,229.38	
01 22 23 00-1111 MO >250 HP To 500 HP, Gas/Oil Dual Fuel Boiler Rental.....	13,239.45	
For >3 Months Rental, Deduct	-1,965.92	
01 22 23 00-1112 MO >500 HP To 800 HP, Gas/Oil Dual Fuel Boiler Rental.....	18,283.05	
For >3 Months Rental, Deduct	-2,742.46	
01 22 23 00-1113 Oil Fired Boilers (01 22 23 00-1098)		
01 22 23 00-1114 MO 250 HP Oil Fired Boiler Rental.....	4,868.53	
01 22 23 00-1115 MO 350 HP Oil Fired Boiler Rental.....	6,491.37	
01 22 23 00-1116 MO 500 HP Oil Fired Boiler Rental.....	8,114.21	
01 22 23 00-1117 MO 600 HP Oil Fired Boiler Rental.....	8,925.64	
01 22 23 00-1118 Boilers Setup (01 22 23 00-1098)		
01 22 23 00-1119 EA Setup Rental Boiler.....	4,283.02	
Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.		
01 22 23 00-1120 Chillers (01 22 23 00-1097) Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-1121 Air Cooled Chillers (01 22 23 00-1120)		
01 22 23 00-1122 MO 25 Ton Air Cooled Chiller Rental.....	2,357.06	
For >3 To 6 Month Rental, Deduct	-353.56	
For >6 Month Rental, Deduct	-589.27	
01 22 23 00-1123 MO 40 Ton Air Cooled Chiller Rental.....	3,771.31	
For >3 To 6 Month Rental, Deduct	-565.70	
For >6 Month Rental, Deduct	-942.83	



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01 22 23 00-1124 MO 60 Ton Air Cooled Chiller Rental.....	4,612.73	
For >3 To 6 Month Rental, Deduct	-691.91	
For >6 Month Rental, Deduct	-1,153.18	
01 22 23 00-1125 MO 80 Ton Air Cooled Chiller Rental.....	5,454.16	
For >3 To 6 Month Rental, Deduct	-818.12	
For >6 Month Rental, Deduct	-1,363.54	
01 22 23 00-1126 MO 100 Ton Air Cooled Chiller Rental.....	6,295.59	
For >3 To 6 Month Rental, Deduct	-944.34	
For >6 Month Rental, Deduct	-1,573.90	
01 22 23 00-1127 MO 125 Ton Air Cooled Chiller Rental.....	7,293.56	
For >3 To 6 Month Rental, Deduct	-1,094.03	
For >6 Month Rental, Deduct	-1,823.39	
01 22 23 00-1128 MO 155 Ton Air Cooled Chiller Rental.....	8,823.42	
For >3 To 6 Month Rental, Deduct	-1,323.51	
For >6 Month Rental, Deduct	-2,205.86	
01 22 23 00-1129 MO 170 Ton Air Cooled Chiller Rental.....	9,435.37	
For >3 To 6 Month Rental, Deduct	-1,415.31	
For >6 Month Rental, Deduct	-2,358.84	
01 22 23 00-1130 MO 200 Ton Air Cooled Chiller Rental.....	10,838.94	
For >3 To 6 Month Rental, Deduct	-1,625.84	
For >6 Month Rental, Deduct	-2,709.74	
01 22 23 00-1131 MO 250 Ton Air Cooled Chiller Rental.....	12,897.15	
For >3 To 6 Month Rental, Deduct	-1,934.57	
For >6 Month Rental, Deduct	-3,224.29	
01 22 23 00-1132 MO 300 Ton Air Cooled Chiller Rental.....	15,049.64	
Note: Includes trailer.		
For >3 To 6 Month Rental, Deduct	-2,257.45	
For >6 Month Rental, Deduct	-3,762.41	
01 22 23 00-1133 MO 400 Ton Air Cooled Chiller Rental.....	19,852.72	
Note: Includes trailer, pump and 200' of 6" hose.		
For >3 To 6 Month Rental, Deduct	-2,977.91	
For >6 Month Rental, Deduct	-4,963.18	
01 22 23 00-1134 MO 500 Ton Air Cooled Chiller Rental.....	24,573.96	
Note: Includes trailer, pump and 200' of 6" hose.		
For >3 To 6 Month Rental, Deduct	-3,686.09	
For >6 Month Rental, Deduct	-6,143.49	
01 22 23 00-1135 EA Setup Air Cooled Chiller Rental Unit.....	2,977.22	
Note: Includes delivery, setup, installation, refrigerant charge, startup, commissioning, decommissioning, recovery of refrigerant and pickup. Excludes piping and electrical hookup. Excludes crane if off-loaded.		
01 22 23 00-1136 Chiller Rental Accessories (01 22 23 00-1120)		
01 22 23 00-1137 MO 4" x 25' Flexible Water Hose For Chiller Rental.....	42.00	
01 22 23 00-1138 MO 6" x 25' Flexible Water Hose For Chiller Rental.....	52.50	
01 22 23 00-1139 Cooling Tower (01 22 23 00-1097)		
Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-1140 MO 100 Ton Cooling Tower Rental.....	2,163.00	
For >3 To 6 Months Rental, Deduct	-324.45	
For >6 Months Rental, Deduct	-540.75	
01 22 23 00-1141 MO 200 Ton Cooling Tower Rental.....	3,937.50	
For >3 To 6 Months Rental, Deduct	-590.63	
For >6 Months Rental, Deduct	-984.38	
01 22 23 00-1142 MO 250 Ton Cooling Tower Rental.....	4,459.04	
For >3 To 6 Months Rental, Deduct	-668.86	
For >6 Months Rental, Deduct	-1,114.76	
01 22 23 00-1143 MO 300 Ton Cooling Tower Rental.....	5,040.00	
For >3 To 6 Months Rental, Deduct	-756.00	
For >6 Months Rental, Deduct	-1,260.00	
01 22 23 00-1144 MO 400 Ton Cooling Tower Rental.....	6,300.00	
For >3 To 6 Months Rental, Deduct	-945.00	
For >6 Months Rental, Deduct	-1,575.00	
01 22 23 00-1145 MO 500 Ton Cooling Tower Rental.....	7,365.78	
For >3 To 6 Months Rental, Deduct	-1,104.87	
For >6 Months Rental, Deduct	-1,841.45	
01 22 23 00-1146 MO Setup Rental Cooling Tower.....	2,977.22	
Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.		
01 22 23 00-1147 Emergency Cooler/Freezer (01 22 23 00-1097)		
Note: Excludes utility connection, delivery, set-up, and removal. Cooler 115 Volt or 230 Volt, freezer 208/230 Volt, combo 115 Volt or 230 Volt.		
01 22 23 00-1148 DAY 8 x 6 x 7 Emergency Cooler Rental.....	94.18	
01 22 23 00-1149 WK 8 x 6 x 7 Emergency Cooler Rental.....	502.32	
01 22 23 00-1150 DAY 10 x 7 x 7 Emergency Cooler Rental.....	188.37	
01 22 23 00-1151 WK 10 x 7 x 7 Emergency Cooler Rental.....	753.48	
01 22 23 00-1152 MO 10 x 7 x 7 Emergency Cooler Rental.....	1,883.70	
01 22 23 00-1153 DAY 10 x 7 x 7 Emergency Freezer Rental.....	219.76	
01 22 23 00-1154 WK 10 x 7 x 7 Emergency Freezer Rental.....	879.06	
01 22 23 00-1155 MO 10 x 7 x 7 Emergency Freezer Rental.....	2,260.44	
01 22 23 00-1156 DAY 6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental.....	251.16	
01 22 23 00-1157 WK 6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental.....	1,004.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1158 MO 6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental.....	2,511.60	
01 22 23 00-1159 Portable Spot Cooling Units (01 22 23 00-1097)		
Note: Includes delivery to job site, connection to existing system and pick-up when complete. Excludes operator.		
01 22 23 00-1160 DAY 1 Ton Portable Spot Cooling Unit	176.12	
01 22 23 00-1161 WK 1 Ton Portable Spot Cooling Unit	387.48	
01 22 23 00-1162 MO 1 Ton Portable Spot Cooling Unit	774.95	
01 22 23 00-1163 DAY 2 Ton Portable Spot Cooling Unit	281.80	
01 22 23 00-1164 WK 2 Ton Portable Spot Cooling Unit	563.60	
01 22 23 00-1165 MO 2 Ton Portable Spot Cooling Unit	1,268.10	
01 22 23 00-1166 DAY 3 Ton Portable Spot Cooling Unit	422.70	
01 22 23 00-1167 WK 3 Ton Portable Spot Cooling Unit	845.40	
01 22 23 00-1168 MO 3 Ton Portable Spot Cooling Unit	1,690.80	
01 22 23 00-1169 DAY 5 Ton Portable Spot Cooling Unit	493.15	
01 22 23 00-1170 WK 5 Ton Portable Spot Cooling Unit	986.30	
01 22 23 00-1171 MO 5 Ton Portable Spot Cooling Unit	2,254.40	
01 22 23 00-1172 DAY 10 Ton Portable Spot Cooling Unit	1,056.75	
01 22 23 00-1173 WK 10 Ton Portable Spot Cooling Unit	1,690.80	
01 22 23 00-1174 MO 10 Ton Portable Spot Cooling Unit	3,381.60	
01 22 23 00-1175 DAY 20 Ton Portable Spot Cooling Unit	1,409.00	
01 22 23 00-1176 WK 20 Ton Portable Spot Cooling Unit	2,465.75	
01 22 23 00-1177 MO 20 Ton Portable Spot Cooling Unit	5,283.75	
01 22 23 00-1178 DAY 25 Ton Portable Spot Cooling Unit	1,127.20	
01 22 23 00-1179 WK 25 Ton Portable Spot Cooling Unit	2,395.30	
01 22 23 00-1180 MO 25 Ton Portable Spot Cooling Unit	5,636.00	
01 22 23 00-1181 Fuel Oil Tank (01 22 23 00-1097)		
Note: Includes delivery to job site, connection to existing system and pick-up when complete. Excludes Off-road fuel costs. See CSI section 01 22 23 00-0720 for reimbursable fuel fees.		
01 22 23 00-1182 MO 100 Gallon Portable Double Wall Fuel Oil Tank Rental	289.25	
01 22 23 00-1183 MO 275 Gallon Portable Double Wall Fuel Oil Tank Rental	449.95	
01 22 23 00-1184 MO 500 Gallon Portable Double Wall Fuel Oil Tank Rental	1,124.86	
01 22 23 00-1185 MO 1,000 Gallon Portable Double Wall Fuel Oil Tank Rental	1,874.78	
01 22 23 00-1186 MO 2,300 Gallon Portable Double Wall Fuel Oil Tank Rental	2,474.70	
01 22 23 00-1187 MO 5,000 Gallon Portable Double Wall Fuel Oil Tank Rental	4,420.90	
01 22 23 00-1188 Truck And Trailer Equipment (01 22 23)		
01 22 23 00-1189 Trucks (01 22 23 00-1188)		
Note: Includes driver, delivery, and removal.		
01 22 23 00-1190 Flat Bed Trucks (01 22 23 00-1189)		
Note: Includes hydraulic tilt bed.		
01 22 23 00-1191 DAY 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	847.59	
For Equipment Without Operator, Deduct	-597.12	
01 22 23 00-1192 WK 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	3,642.22	
For Equipment Without Operator, Deduct	-2,985.58	
01 22 23 00-1193 MO 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	14,527.39	
For Equipment Without Operator, Deduct	-12,868.86	
01 22 23 00-1194 DAY 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	955.90	
For Equipment Without Operator, Deduct	-597.12	
01 22 23 00-1195 WK 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	3,913.77	
For Equipment Without Operator, Deduct	-2,985.58	
01 22 23 00-1196 MO 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	15,238.18	
For Equipment Without Operator, Deduct	-12,868.86	
01 22 23 00-1197 DAY 6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	1,033.62	
For Equipment Without Operator, Deduct	-597.12	
01 22 23 00-1198 WK 6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	4,216.82	
For Equipment Without Operator, Deduct	-2,985.58	
01 22 23 00-1199 MO 6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	16,368.71	
For Equipment Without Operator, Deduct	-12,868.88	
01 22 23 00-1200 Light Off-Road Utility Passanger Vehicles (01 22 23 00-1189)		
01 22 23 00-1201 DAY 4 Wheel, 2 Person, Light Off Road Utility Passanger Vehicle.....	166.06	
01 22 23 00-1202 WK 4 Wheel, 2 Person, Light Off Road Utility Passanger Vehicle.....	384.02	
01 22 23 00-1203 MO 4 Wheel, 2 Person, Light Off Road Utility Passanger Vehicle.....	830.32	
01 22 23 00-1204 DAY 4 Wheel, 4 Person, Light Off Road Utility Passanger Vehicle.....	171.25	
01 22 23 00-1205 WK 4 Wheel, 4 Person, Light Off Road Utility Passanger Vehicle.....	399.59	
01 22 23 00-1206 MO 4 Wheel, 4 Person, Light Off Road Utility Passanger Vehicle.....	882.22	
01 22 23 00-1207 Light Duty Trucks (01 22 23 00-1189)		
01 22 23 00-1208 DAY 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver.....	855.57	
For Equipment Without Operator, Deduct	-597.12	
01 22 23 00-1209 WK 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver.....	3,833.61	
For Equipment Without Operator, Deduct	-2,985.58	
01 22 23 00-1210 MO 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver.....	14,645.69	
For Equipment Without Operator, Deduct	-12,868.86	

01	01	General Requirements
	01 20	Price And Payment Procedures
	01 22	Unit Prices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1211 DAY 3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver	904.03	
<i>For Equipment Without Operator, Deduct</i>	-597.12	
01 22 23 00-1212 WK 3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver	3,978.99	
<i>For Equipment Without Operator, Deduct</i>	-2,985.58	
01 22 23 00-1213 MO 3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver	14,968.75	
<i>For Equipment Without Operator, Deduct</i>	-12,868.86	
01 22 23 00-1214 Rear Dump Trucks <small>(01 22 23 00-1189)</small>		
01 22 23 00-1215 DAY 2.5 CY Rear Dump Truck With Full-Time Truck Driver	891.99	
<i>For Equipment Without Operator, Deduct</i>	-590.54	
01 22 23 00-1216 WK 2.5 CY Rear Dump Truck With Full-Time Truck Driver	3,748.89	
<i>For Equipment Without Operator, Deduct</i>	-2,952.68	
01 22 23 00-1217 MO 2.5 CY Rear Dump Truck With Full-Time Truck Driver	15,164.84	
<i>For Equipment Without Operator, Deduct</i>	-12,727.05	
01 22 23 00-1218 DAY 4 CY Rear Dump Truck With Full-Time Truck Driver	998.50	
<i>For Equipment Without Operator, Deduct</i>	-597.12	
01 22 23 00-1219 WK 4 CY Rear Dump Truck With Full-Time Truck Driver	4,091.43	
<i>For Equipment Without Operator, Deduct</i>	-2,985.58	
01 22 23 00-1220 MO 4 CY Rear Dump Truck With Full-Time Truck Driver	15,735.88	
<i>For Equipment Without Operator, Deduct</i>	-12,868.86	
01 22 23 00-1221 DAY 6 CY Rear Dump Truck With Full-Time Truck Driver	1,055.84	
<i>For Equipment Without Operator, Deduct</i>	-597.12	
01 22 23 00-1222 WK 6 CY Rear Dump Truck With Full-Time Truck Driver	4,214.30	
<i>For Equipment Without Operator, Deduct</i>	-2,985.58	
01 22 23 00-1223 MO 6 CY Rear Dump Truck With Full-Time Truck Driver	15,817.80	
<i>For Equipment Without Operator, Deduct</i>	-12,868.86	
01 22 23 00-1224 DAY 13 CY Rear Dump Truck With Full-Time Truck Driver	1,735.74	
<i>For Equipment Without Operator, Deduct</i>	-597.12	
01 22 23 00-1225 WK 13 CY Rear Dump Truck With Full-Time Truck Driver	5,615.05	
<i>For Equipment Without Operator, Deduct</i>	-2,985.58	
01 22 23 00-1226 MO 13 CY Rear Dump Truck With Full-Time Truck Driver	19,749.72	
<i>For Equipment Without Operator, Deduct</i>	-12,868.86	
01 22 23 00-1227 DAY 18 CY Rear Dump Truck With Full-Time Truck Driver	1,849.60	
<i>For Equipment Without Operator, Deduct</i>	-597.12	
01 22 23 00-1228 WK 18 CY Rear Dump Truck With Full-Time Truck Driver	5,878.00	
<i>For Equipment Without Operator, Deduct</i>	-2,985.58	
01 22 23 00-1229 MO 18 CY Rear Dump Truck With Full-Time Truck Driver	20,437.81	
<i>For Equipment Without Operator, Deduct</i>	-12,868.86	
01 22 23 00-1230 Vacuum Trucks <small>(01 22 23 00-1189)</small>		
01 22 23 00-1231 DAY 5,000 Gallon Vacuum Truck With Full-Time Truck Driver	1,727.55	
<i>For Equipment Without Operator, Deduct</i>	-597.12	
01 22 23 00-1232 WK 5,000 Gallon Vacuum Truck With Full-Time Truck Driver	6,389.97	
<i>For Equipment Without Operator, Deduct</i>	-2,985.58	
01 22 23 00-1233 MO 5,000 Gallon Vacuum Truck With Full-Time Truck Driver	22,914.92	
<i>For Equipment Without Operator, Deduct</i>	-12,868.86	
01 22 23 00-1234 Water Trucks <small>(01 22 23 00-1189)</small>		
See CSI section 01 22 23 00-1250 for water trailer, 31 23 23 23-0001 for compaction water as required for earth/aggregate backfill.		
01 22 23 00-1235 DAY 2,000 Gallon Water Truck With Full-Time Driver	1,092.12	
<i>For Equipment Without Operator, Deduct</i>	-597.12	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	8.00	
01 22 23 00-1236 WK 2,000 Gallon Water Truck With Full-Time Driver	4,289.08	
<i>For Equipment Without Operator, Deduct</i>	-2,985.58	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	8.00	
01 22 23 00-1237 MO 2,000 Gallon Water Truck With Full-Time Driver	15,948.86	
<i>For Equipment Without Operator, Deduct</i>	-12,868.86	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	8.00	
01 22 23 00-1238 DAY 3,700 To 4,000 Gallon Water Truck With Full-Time Driver	1,334.12	
<i>For Equipment Without Operator, Deduct</i>	-597.12	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	8.00	
01 22 23 00-1239 WK 3,700 To 4,000 Gallon Water Truck With Full-Time Driver	5,015.08	
<i>For Equipment Without Operator, Deduct</i>	-2,985.58	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	8.00	
01 22 23 00-1240 MO 3,700 To 4,000 Gallon Water Truck With Full-Time Driver	17,818.86	
<i>For Equipment Without Operator, Deduct</i>	-12,868.86	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	8.00	
01 22 23 00-1241 Asphalt Distribution Trucks <small>(01 22 23 00-1189)</small>		
01 22 23 00-1242 DAY 3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	1,757.41	
<i>For Equipment Without Operator, Deduct</i>	-597.12	
01 22 23 00-1243 WK 3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	6,451.56	
<i>For Equipment Without Operator, Deduct</i>	-2,985.58	
01 22 23 00-1244 MO 3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	23,115.18	
<i>For Equipment Without Operator, Deduct</i>	-12,868.86	



General Requirements			01
Price And Payment Procedures			01 20
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-1245	Traffic Control Truck With Mounted Impact Attenuators/Crash Cushions And Arrow Board <small>(01 22 23 00-1189)</small>	
01 22 23 00-1246	DAY Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver.....	1,251.26
	<i>For Equipment Without Operator, Deduct</i>	-590.54
01 22 23 00-1247	WK Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver.....	4,902.66
	<i>For Equipment Without Operator, Deduct</i>	-2,952.68
01 22 23 00-1248	MO Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver.....	17,462.51
	<i>For Equipment Without Operator, Deduct</i>	-12,727.07

01 22 23 00-1249 Trailers (01 22 23 00-1188)
 Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-1250	Water Trailers With Pump <small>(01 22 23 00-1249)</small>	
01 22 23 00-1251	DAY 500 To 600 Gallon Water Trailer With Pump	126.50
01 22 23 00-1252	WK 500 To 600 Gallon Water Trailer With Pump	324.50
01 22 23 00-1253	MO 500 To 600 Gallon Water Trailer With Pump	869.00

01 30 Administrative Requirements (01)

01 31 Project Management And Coordination (01 30)

01 31 33 Project Minimum Labor Costs (01 31)

01 31 33 00-0001	Minimum Charge <small>(01 31 33)</small> Note: Use item exclusively for projects when the sum of line items is less than the minimum charge per occurrence. Item should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Item quantity is 1, unless approved by owner.	
01 31 33 00-0002	EA Carpenter Minimum Charge..... Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	891.95
01 31 33 00-0003	EA Carpet, Linoleum Minimum Charge	900.18
01 31 33 00-0004	EA Cement Mason Minimum Charge	626.37
01 31 33 00-0005	EA Drywall Finisher Minimum Charge	786.97
01 31 33 00-0006	EA Drywall Installer Minimum Charge	844.09
01 31 33 00-0007	EA Electrician Minimum Charge	919.73
01 31 33 00-0008	EA Glazier Minimum Charge	829.38
01 31 33 00-0009	EA Insulator Minimum Charge.....	758.67
01 31 33 00-0010	EA Laborer Minimum Charge	583.49
01 31 33 00-0011	EA Landscape Maintenance Worker Minimum Charge	708.49
01 31 33 00-0012	EA Ornamental Metal Worker Minimum Charge.....	864.28
01 31 33 00-0013	EA Painter, Ordinary Minimum Charge	719.18
01 31 33 00-0014	EA Plasterer Minimum Charge.....	811.99
01 31 33 00-0015	EA Plumber Minimum Charge	959.28
01 31 33 00-0016	EA Roofer, Tile/Slate Minimum Charge.....	854.79
01 31 33 00-0017	EA Roofer, Composite Built-Up Minimum Charge.....	854.79
01 31 33 00-0018	EA Sheet Metal Worker Minimum Charge.....	920.61

01	01	General Requirements
	01 30	Administrative Requirements
	01 31	Project Management And Coordination



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 31	33 00-0019	EA	Sprinkler Installer Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	796.74	
01 31	33 00-0020	EA	Tile Layer (Floor) Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	745.74	

01 40 Quality Requirements (01)

01 45 Quality Control (01 40)

01 45 23 Testing And Inspecting Services (01 45)

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

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

01 45 23 00-0002 Field Soils Tests (01 45 23 00-0001)

01 45 23 00-0003	EA	Plasticity Index Soils Test, ASTM D-4318, Field Soils Test	189.29
01 45 23 00-0004	EA	4" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	268.66
01 45 23 00-0005	EA	6" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	305.30
01 45 23 00-0006	EA	Resistance (R) Value Soils Test, CA 301, Field Soils Test	244.24
01 45 23 00-0007	EA	Soils Classification Test, ASTM D-2487, Field Soils Test	366.36
01 45 23 00-0008	SET	Cement Treated Base Laboratory Design, Soil Cement, Field Soils Test	732.44
01 45 23 00-0009	EA	Moisture Content, Field Soils Test	27.47
01 45 23 00-0010	EA	UBC Or Swell Test, Field Soils Test	96.22
01 45 23 00-0011	EA	Proctor Compaction 4" Standard Mold ASTM D698, Field Soils Test	183.11
01 45 23 00-0012	EA	Proctor Compaction 6" Standard Mold, Field Soils Test	228.89
01 45 23 00-0013	EA	Density And Classification Test, Field Soils Test	73.24
01 45 23 00-0014	EA	Percolation Test, Field Soils Test	183.11
01 45 23 00-0015	EA	Infiltration Test, Field Soils Test	366.22

01 45 23 00-0016 Soil Borings Laboratory Tests (01 45 23 00-0001)

See CSI section 02 32 13 00-0000 for soil borings.

01 45 23 00-0017	EA	Atterberg Limits - Liquid Limits (LL) And Plastic Limits (PL), T89, T90, ASTM D4318, Soil Borings Laboratory Test	84.06
01 45 23 00-0018	EA	Shrinkage Limit, Soil Borings Laboratory Test	26.82
01 45 23 00-0019	EA	Unconfined Compressive Strength of Cohesive Soils, Soil Borings Laboratory Test	64.66
01 45 23 00-0020	EA	Consolidation, Soil Borings Laboratory Test	452.62
01 45 23 00-0021	EA	Swell Test, Soil Borings Laboratory Test	89.41
01 45 23 00-0022	EA	In Place Density, Soil Borings Laboratory Test	19.40
01 45 23 00-0023	EA	Moisture Content, ASTM D2216, Soil Borings Laboratory Test	12.05
01 45 23 00-0024	EA	Hydrometer Analysis, Soil Borings Laboratory Test	155.58
01 45 23 00-0025	EA	Specific Gravity, ASTM D854, Soil Borings Laboratory Test	54.26
01 45 23 00-0026	EA	Partial Sieve Analysis, Soil Borings Laboratory Test	10.73
01 45 23 00-0027	EA	Laboratory Permeability, Soil Borings Laboratory Test	536.48
01 45 23 00-0028	EA	Sieve Analysis, ASTM D422, Soil Borings Laboratory Test	108.52
01 45 23 00-0029	EA	Sulfate Soundness, Soil Borings Laboratory Test	134.12
01 45 23 00-0030	EA	Los Angeles Abrasion, Soil Borings Laboratory Test	312.72
01 45 23 00-0031	EA	Soil Bearing Ratio, ASTM D1883	274.77
01 45 23 00-0032	EA	Compaction Test Subgrade, Soil Borings Laboratory Test	80.47
01 45 23 00-0033	EA	Compaction Test Base Course, Soil Borings Laboratory Test	68.09
01 45 23 00-0034	EA	In Place Density And Water Content Test By Nuclear Methods, ASTM D6938, Soil Borings Laboratory Test	264.61
01 45 23 00-0035	EA	Field Density Sand Cone, AASHTO T-191, ASTM D1556, Soil Borings Laboratory Test	41.13

01 45 23 00-0036 Aggregate Testing (01 45 23 00-0001)

01 45 23 00-0037	EA	Coarse Aggregate Sieve Analysis Test, ASTM C-136, CA 202	61.06
01 45 23 00-0038	EA	Fine Aggregate Sieve Analysis Test, ASTM C-136, CA 202	109.91
01 45 23 00-0039	EA	Combined Aggregate Sieve Analysis Test, ASTM C-136, CA 202	152.65
01 45 23 00-0040	EA	Sieve Analysis, Pit Run, ASTM C136	119.02
		Note: Includes wash.	
01 45 23 00-0041	EA	Specific Special Gravity, Course, ASTM C127	96.99
		Note: Includes absorption test.	
01 45 23 00-0042	EA	Special Gravity, Fine, ASTM C127	86.98
		Note: Includes absorption test.	
01 45 23 00-0043	EA	Coarse Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	129.32
01 45 23 00-0044	EA	Fine Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	122.12
01 45 23 00-0045	EA	Aggregate Cleanness Value, ASTM C-128, CA 227	122.12
01 45 23 00-0046	EA	Sand Equivalent, Average of 3 Tests, ASTM D2419, CA 217	91.59
01 45 23 00-0047	EA	Fine Aggregate Durability Index, CA 229	97.70
01 45 23 00-0048	EA	Sodium And Magnesium Soundness, ASTM C88	256.35
01 45 23 00-0049	EA	Los Angeles Rattler, ASTM C-131, CA 211	195.39
01 45 23 00-0050	EA	Los Angeles Rattler, ASTM C-535	195.39
01 45 23 00-0051	EA	Unit Weight Of Aggregates, ASTM C29	54.95
01 45 23 00-0052	EA	Organic Impurities In Sand, ASTM C40	54.93
01 45 23 00-0053	EA	Crushed Particle, ASTM California Test Method	54.93
01 45 23 00-0054	EA	Clay Lump And Friable Particles, ASTM C142	109.87

01 45 23 00-0055 Permeability Tests (01 45 23 00-0001)



General Requirements			01
Quality Requirements			01 40
Quality Control			01 45

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0056	In-Place Tests (01 45 23 00-0055)	
01 45 23 00-0057 EA Double Ring Infiltrometer Test, ASTM D3385.....	969.90	
01 45 23 00-0058 EA Unconfined Compressive Strength (Pocket Penetrometer) Test.....	45.78	
01 45 23 00-0059	Lab Tests (01 45 23 00-0055)	
01 45 23 00-0060 EA Falling Head Rigid Wall Consolidometer Technique CAE.....	452.62	
01 45 23 00-0061 EA Falling Head Permeability Test EPA-9100.....	452.62	
01 45 23 00-0062 EA Constant Head Permeability Test For Granular Soils, ASTM D2432.....	258.64	
01 45 23 00-0063	Concrete/Cement/Asphalt Testing (01 45 23)	
01 45 23 00-0064	Concrete Testing (01 45 23 00-0063)	
01 45 23 00-0065 EA Prepare 6 x 12 Concrete Cylinder And Deliver To Lab.....	18.82	
01 45 23 00-0066 EA 6 x 12 Cylinder Concrete Compression Test, ASTM C-39 Or ASTM D1633.....	38.80	
01 45 23 00-0067 EA Concrete Cores Compression Test, ASTM C-42.....	79.38	
01 45 23 00-0068 EA 6 x 6 x 18 Concrete Flexural Test, ASTM C-78.....	116.01	
01 45 23 00-0069 EA Unit Weight Of Concrete Cylinder, ASTM C-567.....	42.74	
01 45 23 00-0070 EA Concrete Mix Design Review.....	232.03	
01 45 23 00-0071 EA Trial Concrete Batch Prepared In Laboratory.....	549.54	
01 45 23 00-0072 EA Concrete Shrinkage, ASTM C-157 Modified.....	427.42	
01 45 23 00-0073 EA 6 x 12 Concrete Cylinder Splitting Tensile Test, ASTM C-496.....	65.94	
01 45 23 00-0074 EA Concrete Slump Test, ASTM C143.....	30.53	
01 45 23 00-0075 EA Concrete Air Content Test, ASTM C138, ASTM C173, Or ASTM C231.....	30.53	
01 45 23 00-0076	Cement Testing (01 45 23 00-0063)	
01 45 23 00-0077 EA Cement Grab Sample (CCR Title 24).....	30.53	
	Note: Includes sealing and storing 1 year.	
01 45 23 00-0078 EA 2" x 2" x 2" Cube Compression Test, All Type Materials.....	48.85	
01 45 23 00-0079	Asphaltic Concrete Testing (01 45 23 00-0063)	
01 45 23 00-0080 EA Hveem Asphaltic Concrete Stability Test, CA 366.....	61.06	
01 45 23 00-0081 EA Marshall Asphaltic Concrete Stability Test (3 Specimens), ASTM D-6926/6927.....	158.76	
01 45 23 00-0082 EA Stability Tests, Premixed, ASTM D1559.....	61.06	
01 45 23 00-0083 EA Stability Tests, Lab. Mixed, ASTM D1559.....	158.76	
01 45 23 00-0084 EA Swell Test, CA 305.....	73.27	
	Note: Includes compaction.	
01 45 23 00-0085 EA % Asphalt Extraction Test, ASTM D-2172 B.....	183.18	
01 45 23 00-0086 EA Maximum Theoretical Unit Weight, ASTM C2041.....	116.39	
01 45 23 00-0087 EA Unit Weight Sample Requiring Compaction, California Test Method 308.....	24.42	
01 45 23 00-0088 EA Asphalt Unit Weight On Core Test, CA 308C.....	24.42	
01 45 23 00-0089 HR Nuclear Field Density Testing, 4 Hour Minimum.....	125.78	
01 45 23 00-0090 EA Asphalt Film Stripping Test, CTM 302/AASHTO T182/ASTM D1664.....	82.40	
01 45 23 00-0091 EA Penetration, ASTM D5.....	88.20	
01 45 23 00-0092	Masonry/Concrete Block/Tile Testing (01 45 23)	
01 45 23 00-0093	Masonry Testing (01 45 23 00-0092)	
01 45 23 00-0094 EA 2" x 4" Cylinder Mortar Compression Test.....	40.30	
01 45 23 00-0095 EA 4" x 4" x 8" Grout Prisms Compression Test.....	40.30	
01 45 23 00-0096 EA Masonry Cores Compression Test.....	79.38	
01 45 23 00-0097 EA Composite Grouted Prism Compression Test.....	152.65	
01 45 23 00-0098	Concrete Block Testing (ASTM C140 Or CMA Per Specimen) (01 45 23 00-0092)	
01 45 23 00-0099 EA Up To 8" x 8" x 16" Concrete Block Compression Test, ASTM C-140.....	97.70	
01 45 23 00-0100 EA Absorption Test, Moisture Content And Unit Weight.....	67.17	
01 45 23 00-0101 EA Moisture Condition By Relative Humidity, ASTM C427, First Unit.....	256.35	
01 45 23 00-0102 EA Moisture Condition By Relative Humidity, ASTM C427, Additional Unit.....	128.18	
01 45 23 00-0103	Metals Testing (01 45 23)	
01 45 23 00-0104	Tank Line Tightness Testing (01 45 23 00-0103)	
01 45 23 00-0105 EA Up To 12,000 Gallons, Tank Line Volumetric Tightness Testing.....	363.17	
01 45 23 00-0106 EA >12,000 To 29,999 Gallons, Tank Line Volumetric Tightness Testing.....	403.26	
01 45 23 00-0107 EA >29,999 Gallons, Tank Line Volumetric Tightness Testing.....	443.22	
01 45 23 00-0108	Other Testing (01 45 23)	
01 45 23 00-0109	Special Testing (01 45 23 00-0108)	
01 45 23 00-0110 EA Asphalt Roofing Cut-out Samples, To Determine Unit Weight.....	94.66	
01 45 23 00-0111 EA Complete Built-Up Roof Analysis, ASTM D2829 Or ASTM D3617.....	567.93	
01 45 23 00-0112 EA Bacteria Test (Total Coliform Bacteria And E. Coli Bacteria).....	28.56	
01 45 23 00-0113 EA Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Caulk, Analysis Per Sample.....	118.37	

01	01	General Requirements
	01 40	Quality Requirements
	01 45	Quality Control



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0114 EA Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Soil, Analysis Per Sample.....	118.37	
01 45 23 00-0115 EA Testing For The Presence Of Polychlorinated Biphenyl (PCB) Using Wipe Sampling, Analysis Per Sample.....	118.37	
01 45 23 00-0116 EA Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Air, Analysis Per Sample.....	651.04	
01 45 23 00-0117 Nondestructive Field Testing Services (01 45 23 00-0108)		
01 45 23 00-0118 Infrared Thermography (01 45 23 00-0117) Note: The following tasks use certified infrared (IR) thermographers, such as Stockton Infrared Thermographic Services, Inc. and United Infrared, Inc., to scan for specific problems and produce a report on the findings. The contractor is entitled to the mobilization charge and the appropriate square foot or hourly task.		
01 45 23 00-0119 Roof Investigation And Moisture Survey Using Infrared Thermography (01 45 23 00-0118) Note: For on the roof surveys.		
01 45 23 00-0120 EA Roof Investigation And Moisture Survey Using Infrared Thermography, Mobilization Charge.....	2,130.66	
01 45 23 00-0121 CSF Up To 10,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography.....	3.55	
For CADD Drawings, Add	0.71	
01 45 23 00-0122 CSF >10,000 To 50,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography.....	2.37	
For CADD Drawings, Add	0.47	
01 45 23 00-0123 CSF >50,000 To 250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography.....	1.78	
For CADD Drawings, Add	0.36	
For Elevated Infrared Thermography Roof Investigation, Add	0.45	
For Aerial Infrared Thermography Roof Investigation, Add	0.45	
01 45 23 00-0124 CSF >250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography.....	1.18	
For CADD Drawings, Add	0.24	
For Elevated Infrared Thermography Roof Investigation, Add	0.30	
For Aerial Infrared Thermography Roof Investigation, Add	0.30	
01 45 23 00-0125 Building Moisture Investigation Using Infrared Thermography (01 45 23 00-0118) Note: For finding moisture in walls and windows.		
01 45 23 00-0126 EA Building Moisture Investigation Using Infrared Thermography, Mobilization Charge.....	1,124.52	
01 45 23 00-0127 CSF Up To 1,000 SF, Building Moisture Investigation Using Infrared Thermography.....	3.55	
For Digital Or Analog Recording Of All Items, Add	1.78	
01 45 23 00-0128 CSF >1,000 To 5,000 SF, Building Moisture Investigation Using Infrared Thermography.....	2.37	
For Digital Or Analog Recording Of All Items, Add	1.19	
01 45 23 00-0129 CSF >5,000 SF, Building Moisture Investigation Using Infrared Thermography.....	1.18	
For Digital Or Analog Recording Of All Items, Add	0.59	
01 45 23 00-0130 General Building Investigation Using Infrared Thermography (01 45 23 00-0118) Note: For finding missing or misplaced insulation, air leakage and delamination.		
01 45 23 00-0131 EA General Building Investigation Using Infrared Thermography, Mobilization Charge.....	2,308.22	
01 45 23 00-0132 CSF Up To 1,000 SF, General Building Investigation Using Infrared Thermography.....	3.55	
For Digital Or Analog Recording Of All Items, Add	1.78	
01 45 23 00-0133 CSF >1,000 To 5,000 SF, General Building Investigation Using Infrared Thermography.....	2.37	
For Digital Or Analog Recording Of All Items, Add	1.19	
01 45 23 00-0134 CSF >5,000 SF, General Building Investigation Using Infrared Thermography.....	1.18	
For Digital Or Analog Recording Of All Items, Add	0.59	
01 45 23 00-0135 Electrical /Mechanical Equipment Scanning Using Infrared Thermography (01 45 23 00-0118) Note: For diagnosing electrical issues such as loose connections, overloaded or imbalanced circuits, faulty breakers, damaged switches, faulty fuses, etc. For diagnosing electrical issues caused by resistance and mechanical issues caused by friction.		
01 45 23 00-0136 EA Electrical /Mechanical Equipment Scanning Using Infrared Thermography, Mobilization Charge.....	1,124.52	
01 45 23 00-0137 HR Electrical /Mechanical Equipment Scanning Using Infrared Thermography.....	171.77	
For Digital Or Analog Recording Of All Items, Add	25.72	
01 45 23 00-0138 Concrete Block Wall Investigation Using Infrared Thermography (01 45 23 00-0118) Note: For investigating issues with grouted cells, bond beams and other structural components in concrete block walls.		
01 45 23 00-0139 EA Concrete Block Wall Investigation Using Infrared Thermography, Mobilization Charge.....	1,124.52	
01 45 23 00-0140 CSF Up To 50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography.....	3.55	
For Digital Or Analog Recording Of All Items, Add	0.53	
01 45 23 00-0141 CSF >50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography.....	2.37	
For Digital Or Analog Recording Of All Items, Add	0.36	
01 45 23 00-0142 Other Nondestructive Field Testing Services (01 45 23 00-0117)		
01 45 23 00-0143 HR ASNT Certified Level I NDT Consultant.....	70.32	
01 45 23 00-0144 HR ASNT Certified Level II NDT Consultant.....	103.52	
01 45 23 00-0145 HR ASNT Certified Level III NDT Consultant.....	128.05	
01 45 23 00-0146 HR Certified Industrial Radiography Radiation Safety Personnel.....	117.70	
01 45 23 00-0147 Testing Professional Services (01 45 23 00-0108)		
01 45 23 00-0148 HR Concrete, Steel, Masonry, Expansion Anchor And Soils Inspection.....	113.57	
01 45 23 00-0149 HR Laboratory Technician.....	109.91	
01 45 23 00-0150 HR Portable Digital Reinforcement Scanner.....	158.76	
01 45 23 00-0151 HR Subsurface Detection Radar System.....	268.66	



General Requirements		01
Quality Requirements		01 40
Quality Control		01 45

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 45 23 00-0152 HR Pavement Rehabilitation Analysis Using Deflectors305.30

01 50 Temporary Facilities And Controls⁽⁰¹⁾

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

01 51 Temporary Utilities^(01 50)

01 51 13 Temporary Electricity^(01 51)

01 51 13 00-0001 Service Switch And/Or Building Feeder Switch^(01 51 13)

Note: Includes all connections and removal after use.

01 51 13 00-0002	EA	Temporary 100 Amp, NEMA 1 Or 3R Disconnect Switch With Fuses	1,289.00
01 51 13 00-0003	EA	Temporary 200 Amp, NEMA 1 Or 3R Disconnect Switch With Fuses	1,992.13
01 51 13 00-0004	EA	Temporary 400 Amp, 240 Volt, NEMA 3R Disconnect Switch With Fuses	3,681.45
01 51 13 00-0005	EA	Temporary 600 Amp, 240 Volt, NEMA 3R Disconnect Switch With Fuses	6,134.11

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

Note: Includes removal after use.

01 51 13 00-0007	EA	Temporary 100 Amp Panelboard Complete With GFCI Circuit Breakers	1,369.11
01 51 13 00-0008	EA	Temporary 200 Amp Panelboard Complete With GFCI Circuit Breakers	1,881.70
01 51 13 00-0009	EA	Temporary 400 Amp Panelboard Complete With GFCI Circuit Breakers	2,952.27
01 51 13 00-0010	EA	Temporary 600 Amp Panelboard Complete With GFCI Circuit Breakers	4,150.73

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

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

01 51 13 00-0012	LF	Temporary SER Cable (Conduit As Required) For Temporary Disconnect Switches And Temporary Panelboards	6.52
01 51 13 00-0013	LF	Temporary Branch Circuit Conduit And Wiring For Temporary Disconnect Switches And Temporary Panelboards	7.15

01 51 13 00-0014 Cord Grip Plug^(01 51 13)

Note: Includes installation, a maximum of 50' of cord, connection to source and removal after use.

01 51 13 00-0015	EA	Temporary 2 Pole Cord Grip Plug With Installation	235.69
01 51 13 00-0016	EA	Temporary 3 Pole Cord Grip Plug With Installation	352.88
01 51 13 00-0017	EA	Temporary 4 Pole Cord Grip Plug With Installation	441.05
01 51 13 00-0018	EA	Temporary 3 Pole (30 A) Cord Grip Plug With Installation	343.44
01 51 13 00-0019	EA	Temporary 4 Pole (30 A) Cord Grip Plug With Installation	425.95
01 51 13 00-0020	EA	Temporary 3 Pole (50 A) Cord Grip Plug With Installation	376.99

01 51 26 Temporary Lighting^(01 51)

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

Note: Includes removal after use.

01 51 26 00-0002	EA	Temporary Exit Light	277.71
01 51 26 00-0003	EA	Temporary 10 Light String With Cages	94.63
01 51 26 00-0004	EA	Temporary High Bay Light	346.67

01 52 Construction Facilities^(01 50)

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

01 52 13 Field Offices And Sheds^(01 52)

01 52 13 00-0001 Field Offices^(01 52 13)

Note: Excludes furniture, utility connections and service. Minimum 6 months rental.

01 52 13 00-0002	MO	8' x 24' Mobile Office, With Toilet	159.67
		For Each Delivery And Removal, Two Round Trips, Add	664.72
		For Each Set-Up (Block And Level), Add	372.32
		For Each Anchoring Into Dirt, Add	113.53
		For Each Anchoring Into Asphalt Or Concrete, Add	170.30
		For Office Trailer Without Toilet, Deduct	-31.93
01 52 13 00-0003	MO	8' x 32' Mobile Office, With Toilet	180.96
		For Each Delivery And Removal, Two Round Trips, Add	664.72
		For Each Set-Up (Block And Level), Add	372.32
		For Each Anchoring Into Dirt, Add	113.53
		For Each Anchoring Into Asphalt Or Concrete, Add	170.30
		For Office Trailer Without Toilet, Deduct	-36.19
01 52 13 00-0004	MO	10' x 36' Mobile Office, With Toilet	244.83
		For Each Delivery And Removal, Two Round Trips, Add	941.69
		For Each Set-Up (Block And Level), Add	607.48
		For Each Anchoring Into Dirt, Add	113.53
		For Each Anchoring Into Asphalt Or Concrete, Add	170.30
		For Office Trailer Without Toilet, Deduct	-48.97
01 52 13 00-0005	MO	10' x 40' Mobile Office, With Toilet	260.80
		For Each Delivery And Removal, Two Round Trips, Add	941.69
		For Each Set-Up (Block And Level), Add	607.48
		For Each Anchoring Into Dirt, Add	113.53
		For Each Anchoring Into Asphalt Or Concrete, Add	170.30
		For Office Trailer Without Toilet, Deduct	-52.16

01	General Requirements
01 50	Temporary Facilities And Controls
01 52	Construction Facilities



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 52 13 00-0006 MO 10' x 44' Mobile Office, With Toilet.....	287.41	
For Each Delivery And Removal, Two Round Trips, Add	941.69	
For Each Set-Up (Block And Level), Add	607.48	
For Each Anchoring Into Dirt, Add	113.53	
For Each Anchoring Into Asphalt Or Concrete, Add	170.30	
01 52 13 00-0007 MO 10' x 50' Mobile Office, With Toilet.....	303.37	
For Each Delivery And Removal, Two Round Trips, Add	941.69	
For Each Set-Up (Block And Level), Add	607.48	
For Each Anchoring Into Dirt, Add	113.53	
For Each Anchoring Into Asphalt Or Concrete, Add	170.30	
01 52 13 00-0008 MO 12' x 32' Mobile Office, With Toilet.....	234.71	
For Each Anchoring Into Dirt, Add	113.53	
For Each Anchoring Into Asphalt Or Concrete, Add	170.30	
For Each Delivery And Set-Up (Block And Level), Add	903.43	
For Each Knock-Down And Pick-Up, Add	708.43	
01 52 13 00-0009 MO 12' x 44' Mobile Office, With Toilet.....	313.81	
For Each Delivery And Removal, Two Round Trips, Add	941.69	
For Each Set-Up (Block And Level), Add	607.48	
For Each Anchoring Into Dirt, Add	113.53	
For Each Anchoring Into Asphalt Or Concrete, Add	170.30	
01 52 13 00-0010 MO 12' x 50' Mobile Office, With Toilet.....	356.60	
For Each Delivery And Removal, Two Round Trips, Add	941.69	
For Each Set-Up (Block And Level), Add	607.48	
For Each Anchoring Into Dirt, Add	113.53	
For Each Anchoring Into Asphalt Or Concrete, Add	170.30	
01 52 13 00-0011 MO 12' x 60' Mobile Office, With Toilet.....	388.53	
For Each Delivery And Removal, Two Round Trips, Add	941.69	
For Each Set-Up (Block And Level), Add	607.48	
For Each Anchoring Into Dirt, Add	113.53	
For Each Anchoring Into Asphalt Or Concrete, Add	170.30	
01 52 13 00-0012 MO 24' x 60' Modular Office, With Toilet.....	851.57	
For Each Delivery And Removal, Two Round Trips, Add	1,772.59	
For Each Set-Up (Block And Level), Add	979.80	
For Each Anchoring Into Dirt, Add	113.53	
For Each Anchoring Into Asphalt Or Concrete, Add	170.30	
01 52 13 00-0013 MO 24' x 72' Modular Office, With Toilet.....	1,021.88	
For Each Delivery And Removal, Two Round Trips, Add	1,772.59	
For Each Set-Up (Block And Level), Add	979.80	
For Each Anchoring Into Dirt, Add	113.53	
For Each Anchoring Into Asphalt Or Concrete, Add	170.30	
01 52 13 00-0014 MO 30' x 30' Modular Office, With Toilet.....	485.66	
For Each Delivery And Removal, Two Round Trips, Add	1,772.59	
For Each Set-Up (Block And Level), Add	979.80	
For Each Anchoring Into Dirt, Add	113.53	
For Each Anchoring Into Asphalt Or Concrete, Add	170.30	
01 52 13 00-0015 Accessories For Field Office Trailers (01 52 13)		
Note: Costs includes installation or placement in trailer.		
01 52 13 00-0016 MO Desk For Field Office Trailer.....	31.50	
01 52 13 00-0017 MO Rolling Desk Chair For Field Office Trailer.....	19.69	
01 52 13 00-0018 MO File Cabinet For Field Office Trailer.....	23.63	
01 52 13 00-0019 MO Table For Field Office Trailer.....	15.75	
01 52 13 00-0020 MO Folding Chair For Field Office Trailer.....	7.46	
01 52 13 00-0021 EA Phone Hook-Up For Field Office Trailer.....	86.63	
01 52 13 00-0022 MO Local Phone Service Per Phone Line For Field Office Trailer.....	55.13	
01 52 13 00-0023 MO Security System With Monitoring For Field Office Trailer.....	99.26	
01 52 13 00-0024 LF Perimeter Vinyl Trailer Skirting For Field Office Trailer.....	13.63	
01 52 13 00-0025 LF Insulated Perimeter Trailer Skirting For Field Office Trailer.....	32.27	
01 52 13 00-0026 MO Steps For Field Office Trailer.....	39.74	
01 52 13 00-0027 MO Fax Machine For Field Office Trailer.....	39.38	
01 52 13 00-0028 MO Copier For Field Office Trailer.....	63.00	
01 52 13 00-0029 Storage Containers (01 52 13)		
01 52 13 00-0030 MO 8' x 8' x 10' Storage Container.....	90.58	
For Each Delivery And Removal, Two Round Trips, Add	203.12	
For >12 Months, Deduct	-27.17	
01 52 13 00-0031 MO 8' x 8' x 20' Storage Container.....	94.70	
For Each Delivery And Removal, Two Round Trips, Add	223.44	
For >12 Months, Deduct	-28.41	
01 52 13 00-0032 MO 8' x 8' x 40' Storage Container.....	112.00	
For Each Delivery And Removal, Two Round Trips, Add	450.00	
For >12 Months, Deduct	-33.60	
01 52 19 Sanitary Facilities (01 52)		
01 52 19 00-0001 Portable Toilets (01 52 19)		
Note: Includes set-up, servicing once per week and removal.		
01 52 19 00-0002 WK Portable Chemical Toilet.....	35.00	
For Each Additional Servicing Per Unit Per Week, Add	25.00	
For Delivery, Add	45.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 52 19 00-0003 MO Portable Chemical Toilet..... <i>For Each Additional Servicing Per Unit Per Week, Add For Delivery, Add</i>	104.99 25.00 45.00	
01 52 19 00-0004 WK ADA Portable Chemical Toilet <i>For Each Additional Servicing Per Unit Per Week, Add For Delivery, Add</i>	41.74 25.00 45.00	
01 52 19 00-0005 MO ADA Portable Chemical Toilet <i>For Each Additional Servicing Per Unit Per Week, Add For Delivery, Add</i>	122.49 25.00 45.00	
01 52 19 00-0006 WK Two Station Portable Handwash..... <i>For Delivery, Add</i>	30.18 45.00	
01 52 19 00-0007 MO Two Station Portable Handwash..... <i>For Delivery, Add</i>	91.56 45.00	
01 52 19 00-0008 MO Portable Toilets, Multi Trailer, 16'..... <i>Note: Includes women's room (3 toilets, 2 sinks) and men's room (1 toilet, 1 urinal and 1 sink)</i>	2,764.75	
01 52 19 00-0009 WK Service Trailer Restrooms, 3 Times Per Week.....	2,072.50	

01 53 Temporary Construction (01 50)

01 53 16 Temporary Decking (01 53)

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

Note: Includes removal after use.

01 53 16 00-0002 SF Temporary Wood Walkway, 3/4" Plywood On 2 x 6 Stringers	5.09
01 53 16 00-0003 LF Temporary Wooden Guardrail, 42" High, Posts, Handrail, And Intermediate Rail	26.85
01 53 16 00-0004 LF Temporary Wood Guardrail Base, 12" x 12" Timber Beam.....	8.90
01 53 16 00-0005 RSR Temporary Wood Stairs, Tread And Riser On 2" x 12" Stringers.....	18.16

01 53 23 Temporary Ramps (01 53)

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

Note: Includes removal after use.

01 53 23 00-0002 SF Temporary Plywood For Wheel Barrow Access.....	1.28	0.42
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01 54 Construction Aids (01 50)

01 54 23 Temporary Scaffolding And Platforms (01 54)

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

Note: Additional scaffolding rental for work above the normal working height of 14'.

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

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

01 54 23 00-0003 CCF Scaffolding With Bracing Accessories - Area Based On 5' Wide Sections (CCF / Month).....	21.19
<i>For Up To 25, Add</i>	8.48
<i>For >25 To 50, Add</i>	5.30
<i>For >50 To 150, Add</i>	2.12
01 54 23 00-0004 CCF Scaffolding With Bracing Accessories - Area Based On 4' Wide Sections (CCF / Month).....	23.83
<i>For Up To 25, Add</i>	9.53
<i>For >25 To 50, Add</i>	5.96
<i>For >50 To 150, Add</i>	2.38
01 54 23 00-0005 CCF Scaffolding With Bracing Accessories - Area Based On 3' Wide Sections (CCF / Month).....	31.78
<i>For Up To 25, Add</i>	12.71
<i>For >25 To 50, Add</i>	7.95
<i>For >50 To 150, Add</i>	3.18

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

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

01 54 23 00-0007 CCF Up To 20' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	43.87
01 54 23 00-0008 CCF >20' To 40' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	54.85
01 54 23 00-0009 CCF >40' To 60' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	65.82
01 54 23 00-0010 CCF >60' To 80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	72.40
01 54 23 00-0011 CCF >80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	83.37
01 54 23 00-0012 CCF Up To 20' Height Scaffolding Initial Erection And Final Dismantling Set Up On Stairs, Per CCF Of Scaffolding And Accessories	52.66

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

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

01 54 23 00-0014 CCF Heavy Duty Masonry Scaffolding With Bracing Accessories - Area Based On 4' Wide Sections (CCF / Month).....	37.67
01 54 23 00-0015 CCF Heavy Duty Masonry Scaffolding With Bracing Accessories - Area Based On 2' Wide Sections (CCF / Month).....	69.07
01 54 23 00-0016 LF Aluminum Joists (LF / Month)	6.12
01 54 23 00-0017 LF Aluminum Stringers (LF / Month)	8.78
01 54 23 00-0018 EA Screw Jack With U-Plate For Stringers (EA / Month).....	11.07



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 54 23 00-0019	Heavy Duty Masonry Scaffolding Erection And Dismantling - Labor Only ^(01 54 23 00-0001) Note: Includes both initial erection and final dismantling. Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0013 for scaffolding rental.		
01 54 23 00-0020	CCF Up To 20' Height Heavy Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	70.21	
01 54 23 00-0021	CCF >20' To 40' Height Heavy Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	87.76	
01 54 23 00-0022	CCF >40' To 60' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	105.31	
01 54 23 00-0023	CCF >60' To 80' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	114.08	
01 54 23 00-0024	CCF >80' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	127.25	
01 54 23 00-0025	Scaffolding Accessories ^(01 54 23 00-0001) See CSI section 01 54 23 00-0019 for erection.		
01 54 23 00-0026	CSF Netting for Exterior Building Scaffolding..... Note: Includes removal after use.	27.07	
01 54 23 00-0027	Rolling Scaffolding ^(01 54 23) Note: Includes moving and relocating scaffolding on site. Excludes initial erection and final dismantling of scaffold.		
01 54 23 00-0028	DAY Rolling Scaffolding >14' To 20' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	9.85	
01 54 23 00-0029	WK Rolling Scaffolding >14' To 20' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	39.46	
01 54 23 00-0030	MO Rolling Scaffolding >14' To 20' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	157.84	
01 54 23 00-0031	DAY Rolling Scaffolding >20' To 40' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	16.49	
01 54 23 00-0032	WK Rolling Scaffolding >20' To 40' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	66.03	
01 54 23 00-0033	MO Rolling Scaffolding >20' To 40' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	264.15	
01 54 23 00-0034	EA Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold, >14' To 20'.....	87.64	
01 54 23 00-0035	EA Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold, >20' To 40'.....	109.55	
01 54 23 00-0036	Shoring Posts ^(01 54 23) Note: Includes moving to perform task and removal after use. No additional cost for relocating will be allowed.		
01 54 23 00-0037	DAY 6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post.....	4.42	
01 54 23 00-0038	WK 6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post.....	13.27	
01 54 23 00-0039	MO 6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post.....	22.12	
01 54 23 00-0040	Temporary Lumber For Platforms, Scaffolding And Bracing ^(01 54 23) Note: Includes removal after use.		
01 54 23 00-0041	SF 5/16" CD Grade Plywood, Temporary Lumber.....	1.44	0.59
01 54 23 00-0042	SF 1/2" CD Grade Plywood, Temporary Lumber.....	1.69	0.59
01 54 23 00-0043	SF 5/8" CD Grade Plywood, Temporary Lumber.....	1.93	0.59
01 54 23 00-0044	SF 3/4" CD Grade Plywood, Temporary Lumber.....	2.17	0.59
01 54 23 00-0045	SF 1" CD Grade Plywood, Temporary Lumber.....	3.13	0.87
01 54 23 00-0046	LF 2" x 4" Temporary Lumber.....	1.06	1.22
01 54 23 00-0047	LF 2" x 6" Temporary Lumber.....	1.57	1.22
01 54 23 00-0048	LF 2" x 8" Temporary Lumber.....	2.08	1.22
01 54 23 00-0049	LF 2" x 10" Temporary Lumber.....	2.62	1.22
01 54 23 00-0050	LF 2" x 12" Temporary Lumber.....	3.14	1.22
01 54 23 00-0051	LF 3" x 8" Temporary Lumber.....	3.14	1.22
01 54 23 00-0052	LF 3" x 10" Temporary Lumber.....	3.93	1.22
01 54 23 00-0053	LF 3" x 12" Temporary Lumber.....	4.71	1.22
01 54 23 00-0054	LF 4" x 4" Temporary Lumber.....	2.23	0.61
01 54 23 00-0055	LF 4" x 6" Temporary Lumber.....	3.17	0.76
01 54 23 00-0056	LF 6" x 6" Temporary Lumber.....	4.10	0.91
01 54 23 00-0057	LF 6" x 8" Temporary Lumber.....	5.32	1.13
01 54 23 00-0058	LF 12" x 12" Temporary Lumber.....	12.77	1.82
01 54 23 00-0059	Temporary Precast Concrete Blocks ^(01 54 23) Note: Includes removal after use.		
01 54 23 00-0060	EA 2' x 2' x 2' Temporary Precast Concrete Block.....	84.30	
01 54 23 00-0061	EA 2' x 2' x 4' Temporary Precast Concrete Block.....	105.38	
01 54 23 00-0062	EA 2' x 2' x 8' Temporary Precast Concrete Block.....	126.46	
01 54 26	Temporary Swing Staging ^(01 54) Note: Up to one month rental. Includes connection to existing electrical outlet on roof, all necessary safety equipment for personnel and anchoring to existing roof anchors. Excludes installing roof anchors.		
01 54 26 00-0001	Swing Stage ^(01 54 26) Note: Up to one month rental. Includes connection to existing electrical outlet on roof, and all necessary safety equipment for personnel. Excludes installing roof anchors.		
01 54 26 00-0002	MO 7' Swing Stage, Electric Operated.....	1,655.88	
01 54 26 00-0003	MO 10' Swing Stage, Electric Operated.....	1,738.68	
01 54 26 00-0004	MO 14' Swing Stage, Electric Operated.....	1,821.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 54 26 00-0005 MO 20' Swing Stage, Electric Operated	1,904.27	
01 54 26 00-0006 MO 24' Swing Stage, Electric Operated	1,987.06	
01 54 26 00-0007 MO 30' Swing Stage, Electric Operated	2,069.86	
01 54 26 00-0008 MO 42' Swing Stage, Electric Operated	2,152.65	
01 54 26 00-0009 MO 12' Swing Stage, Manually Operated.....	477.50	
01 54 26 00-0010 MO 24' Swing Stage, Manually Operated.....	596.88	
01 54 26 00-0011 EA Swing Stage Platform From Hooks, Erection And Dismantling..... Note: Includes both initial erection and final dismantling of platform. Excludes anchors or temporary roof mounted outrigger system.	3,734.38	
01 54 26 00-0012 EA Swing Stage Platform And Temporary Roof Mounted Outrigger System Erection And Dismantling Note: Includes both initial erection and final dismantling of temporary roof mounted outrigger system.	5,189.55	
01 54 26 00-0013 EA Move Swing Stage Platform From Hooks To Different Location At Same Roof.....	1,963.62	
01 54 26 00-0014 EA Move Swing Stage Platform and Temporary Roof Mounted Outrigger System To Different Location At Same Roof.....	2,735.03	

01 55 Vehicular Access And Parking (01 50)

01 55 23 Temporary Roads (01 55)

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

Note: As per Caltrans detail.

01 55 23 00-0002 SF 3" To 4" Rock Temporary Stabilized Construction Entrance Assembly	3.24	
Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.		
01 55 23 00-0003 SF >4" To 6" Rock Temporary Stabilized Construction Entrance Assembly	3.79	
Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.		

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

01 55 23 00-0005 MO 8' x 10' Steel Rumble Trench Plate Rental.....	221.18	
01 55 23 00-0006 EA Place And Remove Rumble Plate..... Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	76.82	
01 55 23 00-0007 EA Relocate And Adjust Location Of Rumble Plate..... Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	19.21	

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

Note: Excludes asphalt and gravel.

01 55 23 00-0009 EA 4" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin).....	3,059.53	168.88
01 55 23 00-0010 EA 6" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin).....	4,175.12	253.32
01 55 23 00-0011 EA 8" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin).....	5,764.05	337.76
01 55 23 00-0012 EA 12" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin).....	11,849.83	422.20
01 55 23 00-0013 EA 24" Pipeline, 15' Passable Vehicle Width, Temporary Road Ramp (Godwin).....	17,343.92	506.64

01 55 26 Traffic Control (01 55)

01 55 26 00-0001 Removable Prefomed Traffic Black Line Mask (01 55 26)

Note: Includes installation and removal after use.

01 55 26 00-0002 LF 6" Removable Traffic Black Line Mask	4.39	
01 55 26 00-0003 LF 8" Removable Traffic Black Line Mask	5.38	

01 55 26 00-0004 Temporary Prefomed Traffic Line Tape (01 55 26)

Note: Includes installation and removal after use.

01 55 26 00-0005 LF 4" Reflective Removable Traffic Line Tape.....	3.33	
01 55 26 00-0006 LF 6" Reflective Removable Traffic Line Tape.....	4.44	
01 55 26 00-0007 LF 8" Reflective Removable Traffic Line Tape	5.48	

01 55 26 00-0008 Temporary Painted Traffic Lines (01 55 26)

Note: Includes installation and removal after use.

01 55 26 00-0009 LF 4" Temporary Painted Traffic Lines.....	1.83	
For Not Removed, Deduct	-2.47	
01 55 26 00-0010 LF 6" Temporary Painted Traffic Lines.....	2.41	
For Not Removed, Deduct	-3.38	
01 55 26 00-0011 LF 8" Temporary Painted Traffic Lines.....	3.02	
For Not Removed, Deduct	-4.28	
01 55 26 00-0012 EA 2" High x 2" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad.....	2.39	
01 55 26 00-0013 EA 2" High x 4" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad.....	2.41	

01 55 26 00-0014 Pedestrian Traffic Control (01 55 26)

01 55 26 00-0015 CLF 1", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange	11.69	
01 55 26 00-0016 CLF 2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange	16.08	
01 55 26 00-0017 CLF 3/4", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow.....	8.03	
01 55 26 00-0018 CLF 2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow.....	10.22	
01 55 26 00-0019 CLF 3", 4 Mil Polyethylene Printed Barricade Tape, Non Fluorescent	11.65	
01 55 26 00-0020 CLF 6", 4 Mil Polyethylene Printed Barricade Tape, Non Fluorescent	17.28	

01	General Requirements
01 50	Temporary Facilities And Controls
01 55	Vehicular Access And Parking



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	01 55 26 00-0021	CLF	1" Exterior Vinyl Tape (Warning Tape).....	14.83	
	01 55 26 00-0022	CLF	2" Exterior Vinyl Tape (Warning Tape).....	22.03	
	01 55 26 00-0023	CLF	3" Exterior Vinyl Tape (Warning Tape).....	29.17	
	01 55 26 00-0024	CLF	4" Exterior Vinyl Tape (Warning Tape).....	34.21	
01 55 26 00-0025			Linear Delineation System, Temporary Or Permanent <small>(01 55 26)</small>		
			Note: High visibility reflective sheeting strips. Scotchlite as manufactured by 3M.		
	01 55 26 00-0026	LF	4" Linear Delineation System.....	6.67	
	01 55 26 00-0027	LF	6" Linear Delineation System.....	8.88	
01 55 26 00-0028			Traffic Protection <small>(01 55 26)</small>		
01 55 26 00-0029			Portable Traffic Control Device Usage <small>(01 55 26 00-0028)</small>		
			Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0105 for delivery, placing and removal.		
	01 55 26 00-0030	DAY	28" Cone With Reflective Collar.....	0.47	
	01 55 26 00-0031	WK	28" Cone With Reflective Collar.....	1.42	
	01 55 26 00-0032	MO	28" Cone With Reflective Collar.....	4.27	
	01 55 26 00-0033	DAY	Vertical Panel.....	1.43	
	01 55 26 00-0034	WK	Vertical Panel.....	4.30	
	01 55 26 00-0035	MO	Vertical Panel.....	12.91	
	01 55 26 00-0036	DAY	Channelizer Drum.....	1.56	
	01 55 26 00-0037	WK	Channelizer Drum.....	4.67	
	01 55 26 00-0038	MO	Channelizer Drum.....	14.01	
	01 55 26 00-0039	DAY	Stackable Channelizer Panel.....	0.74	
	01 55 26 00-0040	WK	Stackable Channelizer Panel.....	2.21	
	01 55 26 00-0041	MO	Stackable Channelizer Panel.....	6.63	
	01 55 26 00-0042	DAY	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	1.02	
	01 55 26 00-0043	WK	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	3.06	
	01 55 26 00-0044	MO	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	9.18	
	01 55 26 00-0045	DAY	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	2.26	
	01 55 26 00-0046	WK	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	6.78	
	01 55 26 00-0047	MO	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	20.34	
	01 55 26 00-0048	DAY	Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	2.58	
	01 55 26 00-0049	WK	Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	7.73	
	01 55 26 00-0050	MO	Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	23.18	
	01 55 26 00-0051	DAY	Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	4.71	
	01 55 26 00-0052	WK	Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	14.14	
	01 55 26 00-0053	MO	Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	42.41	
	01 55 26 00-0054	DAY	Up To 10' Wide A Frame Barricade.....	2.58	
	01 55 26 00-0055	WK	Up To 10' Wide A Frame Barricade.....	7.75	
	01 55 26 00-0056	MO	Up To 10' Wide A Frame Barricade.....	23.26	
	01 55 26 00-0057	DAY	Type A Or C Flasher.....	0.53	
	01 55 26 00-0058	WK	Type A Or C Flasher.....	1.58	
	01 55 26 00-0059	MO	Type A Or C Flasher.....	4.74	
	01 55 26 00-0060	DAY	Type B Flasher (High Intensity).....	2.86	
	01 55 26 00-0061	WK	Type B Flasher (High Intensity).....	8.57	
	01 55 26 00-0062	MO	Type B Flasher (High Intensity).....	25.71	
01 55 26 00-0063			Traffic Barriers Usage <small>(01 55 26 00-0028)</small>		
			Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0105 for delivery, placing and removal.		
	01 55 26 00-0064	DAY	6' Long Portable Parking Curbs.....	1.23	
	01 55 26 00-0065	WK	6' Long Portable Parking Curbs.....	3.69	
	01 55 26 00-0066	MO	6' Long Portable Parking Curbs.....	11.08	
	01 55 26 00-0067	DAY	6' Long Portable Speed Bumps.....	3.64	
	01 55 26 00-0068	WK	6' Long Portable Speed Bumps.....	10.93	
	01 55 26 00-0069	MO	6' Long Portable Speed Bumps.....	32.78	
	01 55 26 00-0070	DAY	Up To 12.5' Concrete Traffic Barrier.....	8.75	
	01 55 26 00-0071	WK	Up To 12.5' Concrete Traffic Barrier.....	26.25	
	01 55 26 00-0072	MO	Up To 12.5' Concrete Traffic Barrier.....	78.74	
	01 55 26 00-0073	DAY	>12.5' To 20' Concrete Traffic Barrier.....	17.50	
	01 55 26 00-0074	WK	>12.5' To 20' Concrete Traffic Barrier.....	52.49	
	01 55 26 00-0075	MO	>12.5' To 20' Concrete Traffic Barrier.....	157.48	
	01 55 26 00-0076	DAY	6' x 32" Tall Plastic Water Barrier.....	10.45	
	01 55 26 00-0077	WK	6' x 32" Tall Plastic Water Barrier.....	31.34	
	01 55 26 00-0078	MO	6' x 32" Tall Plastic Water Barrier.....	94.03	
	01 55 26 00-0079	DAY	6' x 46" Tall Plastic Water Barrier.....	14.92	
	01 55 26 00-0080	WK	6' x 46" Tall Plastic Water Barrier.....	44.76	
	01 55 26 00-0081	MO	6' x 46" Tall Plastic Water Barrier.....	134.27	
	01 55 26 00-0082	DAY	Sand Filled Crash Attenuator Barrels.....	5.84	
	01 55 26 00-0083	WK	Sand Filled Crash Attenuator Barrels.....	17.52	
	01 55 26 00-0084	MO	Sand Filled Crash Attenuator Barrels.....	52.56	
	01 55 26 00-0085	MON	24" Wide x 32" High x 32' Long, Anchorless Water Filler, Non Redirective, Bi-Directional Impact Attenuator (ABSORB 350® BARRIER).....	830.32	
			Note: Consists of 8 bays with nose piece at the front of the system.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0086 Portable Signs And Message Displays Usage <small>(01 55 26 00-0028)</small>		
Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0105 for delivery, placing and removal.		
01 55 26 00-0087 DAY Mesh Or Vinyl Roll-up Sign With Stand	4.58	
01 55 26 00-0088 WK Mesh Or Vinyl Roll-up Sign With Stand	13.75	
01 55 26 00-0089 MO Mesh Or Vinyl Roll-up Sign With Stand	41.26	
01 55 26 00-0090 DAY Aluminum Sign And Post	2.49	
01 55 26 00-0091 WK Aluminum Sign And Post	7.47	
01 55 26 00-0092 MO Aluminum Sign And Post	22.40	
01 55 26 00-0093 DAY Aluminum Sign And A Frame Stand	3.47	
01 55 26 00-0094 WK Aluminum Sign And A Frame Stand	10.40	
01 55 26 00-0095 MO Aluminum Sign And A Frame Stand	31.20	
01 55 26 00-0096 DAY Trailer Mounted Flashing Arrow Board	87.00	
01 55 26 00-0097 WK Trailer Mounted Flashing Arrow Board	240.79	
01 55 26 00-0098 MO Trailer Mounted Flashing Arrow Board	410.00	
01 55 26 00-0099 DAY Trailer Mounted Portable Variable Message Sign (PVMS)	300.00	
01 55 26 00-0100 WK Trailer Mounted Portable Variable Message Sign (PVMS)	800.00	
01 55 26 00-0101 MO Trailer Mounted Portable Variable Message Sign (PVMS)	1,600.00	
01 55 26 00-0102 DAY Two Head, Trailer Mounted Traffic Signal System (Set Of Two)	780.64	
Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.		
01 55 26 00-0103 WK Two Head, Trailer Mounted Traffic Signal System (Set Of Two)	2,341.92	
Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.		
01 55 26 00-0104 MO Two Head, Trailer Mounted Traffic Signal System (Set Of Two)	7,025.76	
Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.		
01 55 26 00-0105 Place And Remove Traffic Protection Using Truck <small>(01 55 26 00-0028)</small>		
Note: Includes delivery and return up to 15 miles. See CSI section 01 74 19 00-0036 for delivery >15 miles.		
01 55 26 00-0106 EA Place And Remove Up To 250 Cones Using Truck	3.77	
01 55 26 00-0107 EA Place And Remove >250 Cones Using Truck	3.01	
01 55 26 00-0108 EA Place And Remove Up To 250 Panels/Channelizers Using Truck	5.02	
01 55 26 00-0109 EA Place And Remove >250 Panels/Channelizers Using Truck	4.01	
01 55 26 00-0110 EA Place And Remove Up To 250 Barricades Using Truck	7.53	
01 55 26 00-0111 EA Place And Remove >250 Barricades Using Truck	6.03	
01 55 26 00-0112 EA Place And Remove Curbs/Speed Bumps Using Truck	7.53	
01 55 26 00-0113 EA Place And Remove Portable Sign And Stand Using Truck	4.52	
01 55 26 00-0114 EA Place And Remove Aluminum Sign And Post Using Truck	18.83	
01 55 26 00-0115 EA Place And Remove Trailer Mounted Boards And Signals Using Truck	56.47	
01 55 26 00-0116 EA Place And Remove Up To 12.5' Concrete Traffic Barrier	76.82	
Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
For 1 Barrier, Add	192.05	
For 2 Barriers, Add	69.14	
For 3 Barriers, Add	23.05	
01 55 26 00-0117 EA Place And Remove >12.5' Concrete Traffic Barrier	115.23	
Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
For 1 Barrier, Add	288.08	
For 2 Barriers, Add	103.71	
For 3 Barriers, Add	34.57	
01 55 26 00-0118 EA Place And Remove Plastic Water Barrier	42.41	
Note: Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization tasks.		
For 1 Barrier, Add	96.03	
For 2 Barriers, Add	34.57	
For 3 Barriers, Add	11.52	
01 55 26 00-0119 EA Place And Remove Crash Attenuator Barrels	57.62	
Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
For 1 Barrier, Add	144.05	
For 2 Barriers, Add	51.86	
For 3 Barriers, Add	17.29	
01 55 26 00-0120 EA Place And Remove 24" Wide x 32" High x 32' Long, Anchorless Water Filler, Non Redirective, Bi-Directional Impact Attenuator (ABSORB 350® BARRIER)	422.51	
Note: Consists of 8 bays with nose piece at the front of the system attached and anchored in accordance with the manufactures instructions. Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization.		
01 55 26 00-0121 Place And Remove Traffic Protection From Roadside (Daily) <small>(01 55 26 00-0028)</small>		
01 55 26 00-0122 EA Place And Remove Up To 250 Cones By Hand From Roadside	1.88	
01 55 26 00-0123 EA Place And Remove >250 Cones By Hand From Roadside	1.51	
01 55 26 00-0124 EA Place And Remove Up To 250 Panels/Channelizers By Hand From Roadside	2.51	
01 55 26 00-0125 EA Place And Remove >250 Panels/Channelizers By Hand From Roadside	2.00	
01 55 26 00-0126 EA Place And Remove Up To 250 Barricades By Hand From Roadside	3.77	
01 55 26 00-0127 EA Place And Remove >250 Barricades By Hand From Roadside	3.01	
01 55 26 00-0128 EA Place And Remove Portable Sign And Stand From Roadside	2.24	
01 55 26 00-0129 EA Place And Remove Trailer Mounted Boards And Signals From Roadside	28.24	

01	01	General Requirements
	01 50	Temporary Facilities And Controls
	01 55	Vehicular Access And Parking



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0130 EA Roadside Relocation Of Concrete Traffic Barrier.....	38.41	
Note: Excludes flatbed truck. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization.		
01 55 26 00-0131 Temporary Rumble Strips (01 55 26)		
Note: Includes removal after use.		
01 55 26 00-0132 LF 1/4" High, 4" Wide, Polymer Tape Temporary Rumble Strip.....	7.89	
01 55 26 00-0133 LF 1/2" High, 3-1/2" Wide, Polycarbonate Temporary Rumble Strip.....	5.79	
01 56 Temporary Barriers And Enclosures (01 50)		
Note: Includes removal after use.		
01 56 16 Temporary Dust Barriers (01 56)		
01 56 16 00-0001 Temporary Sheeting For Protection (01 56 16)		
Note: Includes removal after use.		
01 56 16 00-0002 SF 6 Mil, Plastic Sheeting, Applied To Floors.....	0.28	
01 56 16 00-0003 SF 6 Mil, Plastic Sheeting, Applied To Walls.....	0.37	
01 56 16 00-0004 SF 6 Mil, Plastic Sheeting, Applied To Ceilings.....	0.50	
01 56 16 00-0005 SF 6 Mil, Plastic Sheeting, Applied To Scaffolding.....	0.49	
01 56 16 00-0006 SF 6 Mil, Fire Retardant, Plastic Sheeting, Applied To Floors.....	0.32	
01 56 16 00-0007 SF 6 Mil, Fire Retardant, Plastic Sheeting, Applied To Walls.....	0.41	
01 56 16 00-0008 SF 6 Mil, Fire Retardant, Plastic Sheeting, Applied To Ceilings.....	0.54	
01 56 16 00-0009 SF 6 Mil, Fire Retardant, Plastic Sheeting, Applied To Scaffolding.....	0.51	
01 56 16 00-0010 SF 10 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding.....	0.62	
01 56 16 00-0011 SF 6 Mil, Fire Retardant, Anti Static, Plastic Sheeting, Applied To Floors.....	0.34	
01 56 16 00-0012 SF 6 Mil, Fire Retardant, Anti Static, Plastic Sheeting, Applied To Walls.....	0.43	
01 56 16 00-0013 SF 6 Mil, Fire Retardant, Anti Static, Plastic Sheeting, Applied To Ceilings.....	0.56	
01 56 16 00-0014 SF 6 Mil, Fire Retardant, Anti Static, Plastic Sheeting, Applied To Scaffolding.....	0.53	
01 56 16 00-0015 SF 6 Mil, Reinforced, Plastic Sheeting, Applied To Floors.....	0.33	
01 56 16 00-0016 SF 6 Mil, Reinforced, Plastic Sheeting, Applied To Walls.....	0.42	
01 56 16 00-0017 SF 6 Mil, Reinforced, Plastic Sheeting, Applied To Ceilings.....	0.55	
01 56 16 00-0018 SF 6 Mil, Reinforced, Plastic Sheeting, Applied To Scaffolding.....	0.52	
01 56 16 00-0019 SF 6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Floors.....	0.37	
01 56 16 00-0020 SF 6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Walls.....	0.46	
01 56 16 00-0021 SF 6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Ceilings.....	0.59	
01 56 16 00-0022 SF 6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding.....	0.56	
01 56 16 00-0023 Accessories For Temporary Sheeting (01 56 16)		
Note: Includes removal after use.		
01 56 16 00-0024 EA 7' Zipper Door For Plastic Sheeting.....	18.23	
01 56 16 00-0025 LF Zip Wall Kit And ICRA Dust Control Awareness Barrier (Per LF Of Wall).....	6.17	
Note: Includes up to 12' long spring loaded poles, side clamps, foam rails and 6 mil poly barrier. Excludes zip doors.		
01 56 16 00-0026 Temporary Critical Barriers For Protection (01 56 16)		
Note: Includes removal after use. See CSI section 02 89 00 00-0002 for Other barriers for infectious control.		
01 56 16 00-0027 EA Up To 1 SF Individual Critical Barriers.....	9.76	
Note: For Outlets And Receptacles		
01 56 16 00-0028 EA >1 To 4 SF Individual Critical Barriers.....	14.76	
Note: For diffusers, ceiling speakers, return grilles, etc.		
01 56 16 00-0029 EA >4 To 8 SF Individual Critical Barriers.....	19.79	
Note: For diffusers, return grilles, access doors, light fixtures, etc.		
01 56 16 00-0030 EA >8 To 32 SF Individual Critical Barriers.....	30.59	
Note: For doors, windows, etc.		
01 56 16 00-0031 Temporary Stud Wall (01 56 16)		
Note: Includes removal after use.		
01 56 16 00-0032 Temporary Stud Wall With Drywall (01 56 16 00-0031)		
Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, drywall taped and finished and removal after use. Excludes paint.		
01 56 16 00-0033 Temporary Stud Wall With Drywall (01 56 16 00-0032)		
01 56 16 00-0034 SF 3/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center.....	5.05	
For Metal Studs 24" On Center, Add/Deduct		0.44
01 56 16 00-0035 SF 1/2" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center.....	5.05	
For Metal Studs 24" On Center, Add/Deduct		0.44
01 56 16 00-0036 SF 5/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center.....	5.12	
For Metal Studs 24" On Center, Add/Deduct		0.44
01 56 16 00-0037 SF 3/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	7.00	
For Metal Studs 24" On Center, Add/Deduct		0.52
01 56 16 00-0038 SF 1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	7.00	
For Metal Studs 24" On Center, Add/Deduct		0.52
01 56 16 00-0039 SF 5/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	7.14	
For Metal Studs 24" On Center, Add/Deduct		0.52



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0040 Temporary Stud Wall With Fire Rated Drywall <small>(01 56 16 00-0032)</small>		
01 56 16 00-0041 SF 1/2" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center 5.13 <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.44	5.13	
01 56 16 00-0042 SF 5/8" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center 5.16 <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.44	5.16	
01 56 16 00-0043 SF 5/8" Type X Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center 5.13 <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.44	5.13	
01 56 16 00-0044 SF 3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center 5.68 <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.44	5.68	
01 56 16 00-0045 SF 1/2" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center 7.16 <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.52	7.16	
01 56 16 00-0046 SF 5/8" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center 7.21 <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.52	7.21	
01 56 16 00-0047 SF 5/8" Type X Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center 7.16 <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.52	7.16	
01 56 16 00-0048 SF 3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center 8.25 <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.52	8.25	
01 56 16 00-0049 Temporary Stud Wall With Oriented Strand Board (OSB) <small>(01 56 16 00-0031)</small>		
<small>Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, oriented strand board (OSB) wall sheathing, and removal after use. Excludes paint.</small>		
01 56 16 00-0050 SF 7/16" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center 4.97 <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.44	4.97	
01 56 16 00-0051 SF 1/2" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center 5.01 <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.44	5.01	
01 56 16 00-0052 SF 5/8" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center 5.10 <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.44	5.10	
01 56 16 00-0053 SF 3/4" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center 5.15 <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.44	5.15	
01 56 16 00-0054 SF 7/16" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center 6.84 <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.52	6.84	
01 56 16 00-0055 SF 1/2" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center 6.91 <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.52	6.91	
01 56 16 00-0056 SF 5/8" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center 7.10 <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.52	7.10	
01 56 16 00-0057 SF 3/4" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center 7.20 <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.52	7.20	
01 56 16 00-0058 Temporary Stud Wall With BC Plywood <small>(01 56 16 00-0031)</small>		
<small>Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, interior/exterior BC plywood wall sheathing, and removal after use. Excludes paint.</small>		
01 56 16 00-0059 SF 3/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center 5.20 <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.44	5.20	
01 56 16 00-0060 SF 1/2" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center 5.32 <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.44	5.32	
01 56 16 00-0061 SF 5/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center 5.50 <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.44	5.50	
01 56 16 00-0062 SF 3/4" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center 5.62 <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.44	5.62	
01 56 16 00-0063 SF 3/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center 7.30 <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.52	7.30	
01 56 16 00-0064 SF 1/2" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center 7.55 <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.52	7.55	
01 56 16 00-0065 SF 5/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center 7.91 <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.52	7.91	
01 56 16 00-0066 SF 3/4" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center 8.13 <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.52	8.13	
01 56 16 00-0067 Temporary Stud Wall With Plastic Sheeting <small>(01 56 16 00-0031)</small>		
<small>Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, 6 Mil plastic sheathing, and removal after use.</small>		
01 56 16 00-0068 SF 6 Mil, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center 2.87 <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.34	2.87	
01 56 16 00-0069 SF 6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center 2.92 <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.34	2.92	
01 56 16 00-0070 SF 6 Mil, Fire Retardant, Anti-Static, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center 2.94 <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.34	2.94	
01 56 16 00-0071 SF 6 Mil, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center 2.93 <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.34	2.93	
01 56 16 00-0072 SF 6 Mil, Fire Retardant, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center 2.97 <i>For Metal Studs 24" On Center, Add/Deduct</i> 0.34	2.97	
01 56 16 00-0073 Temporary Doors <small>(01 56 16 00-0031)</small>		
<small>Note: For temporary stud walls. Includes removal after use.</small>		
01 56 16 00-0074 EA Temporary Metal Door And Frame 497.52 <small>Note: Painted with panic hardware, lockset, threshold and smoke seals. Remove after use.</small>	497.52	

01	General Requirements
01 50	Temporary Facilities And Controls
01 56	Temporary Barriers And Enclosures



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 56 16 00-0075	Temporary Floor Protection <small>(01 56 16)</small>	
	Note: Includes removal after use.	
01 56 16 00-0076	SF Masonite For Temporary Floor Protection	1.53
01 56 16 00-0077	SF 1/2" Plywood For Temporary Floor Protection	1.54
01 56 16 00-0078	SF 3/4" Plywood For Temporary Floor Protection	1.89
01 56 16 00-0079	LF 38" Wide, 46 Mil Fiberboard, Ram Board® For Temporary Floor Protection	0.86
01 56 16 00-0080	LF 36" Wide, 9 Mil, Regular Weight Red Rosin Paper, For Temporary Floor Protection	0.26
01 56 16 00-0081	CSF 3 Mil, Temporary Self-adhesive Carpet Protection Film	16.65
01 56 16 00-0082	SF Burlap For Temporary Floor Protection.....	0.58

01 56 16 00-0083	Sticky Mats <small>(01 56 16)</small>	
	Note: Includes removal after use.	
01 56 16 00-0084	EA 18" x 36", 30 Layer Sticky Mat	21.76
	For 60 Layers Instead Of 30, Add	13.69
01 56 16 00-0085	EA 18" x 46", 30 Layer Sticky Mat	24.80
	For 60 Layers Instead Of 30, Add	15.97
01 56 16 00-0086	EA 24" x 36", 30 Layer Sticky Mat	24.80
	For 60 Layers Instead Of 30, Add	15.97
01 56 16 00-0087	EA 25" x 45", 30 Layer Sticky Mat	32.40
	For 60 Layers Instead Of 30, Add	21.67
01 56 16 00-0088	EA 36" x 36", 30 Layer Sticky Mat	35.44
	For 60 Layers Instead Of 30, Add	23.95
01 56 16 00-0089	EA 36" x 46", 30 Layer Sticky Mat	38.48
	For 60 Layers Instead Of 30, Add	26.23
01 56 16 00-0090	EA 36" x 60", 30 Layer Sticky Mat	76.50
	For 60 Layers Instead Of 30, Add	54.74
01 56 16 00-0091	EA 36" x 72", 30 Layer Sticky Mat	91.10

01 56 26 Temporary Fencing (01 56)

01 56 26 00-0001	Temporary Fencing <small>(01 56 26)</small>	
	Note: Includes set-up and removal after use. Excludes auguring/drilling for posts.	
01 56 26 00-0002	Temporary Chain Link Fence <small>(01 56 26 00-0001)</small>	
	Note: Includes set-up and removal. Excludes auguring/drilling for posts.	
01 56 26 00-0003	Temporary Chain Link Fence, Up To 6 Months <small>(01 56 26 00-0002)</small>	
01 56 26 00-0004	LF Temporary 4' High Chain Link Fence And Posts, Up To 6 Months	2.45
	For >100 To 250, Deduct	-0.12
	For >250 To 500, Deduct	-0.25
	For >500, Deduct	-0.37
	For Shade Cloth, Add	1.60
01 56 26 00-0005	LF Temporary 6' High Chain Link Fence And Posts, Up To 6 Months	2.77
	For >100 To 250, Deduct	-0.14
	For >250 To 500, Deduct	-0.28
	For >500, Deduct	-0.42
	For Shade Cloth, Add	2.55
01 56 26 00-0006	LF Temporary 8' High Chain Link Fence And Posts, Up To 6 Months	4.68
	For >100 To 250, Deduct	-0.23
	For >250 To 500, Deduct	-0.47
	For >500, Deduct	-0.70
	For Shade Cloth, Add	3.60
01 56 26 00-0007	LF Temporary 10' High Chain Link Fence And Posts, Up To 6 Months	13.90
	For >100 To 250, Deduct	-0.70
	For >250 To 500, Deduct	-1.39
	For >500, Deduct	-2.09
	For Shade Cloth, Add	4.75
01 56 26 00-0008	Temporary Chain Link Fence, >6 To 12 Months <small>(01 56 26 00-0002)</small>	
01 56 26 00-0009	LF Temporary 4' High Chain Link Fence And Posts, >6 To 12 Months	2.70
	For >100 To 250, Deduct	-0.14
	For >250 To 500, Deduct	-0.27
	For >500, Deduct	-0.41
	For Shade Cloth, Add	1.60
01 56 26 00-0010	LF Temporary 6' High Chain Link Fence And Posts, >6 To 12 Months	3.04
	For >100 To 250, Deduct	-0.15
	For >250 To 500, Deduct	-0.30
	For >500, Deduct	-0.46
	For Shade Cloth, Add	2.55
01 56 26 00-0011	LF Temporary 8' High Chain Link Fence And Posts, >6 To 12 Months	5.14
	For >100 To 250, Deduct	-0.26
	For >250 To 500, Deduct	-0.51
	For >500, Deduct	-0.77
	For Shade Cloth, Add	3.60
01 56 26 00-0012	LF Temporary 10' High Chain Link Fence And Posts, >6 To 12 Months	15.28
	For >100 To 250, Deduct	-0.76
	For >250 To 500, Deduct	-1.53
	For >500, Deduct	-2.29
	For Shade Cloth, Add	4.75

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0014 LF Temporary 4' High Chain Link Fence And Posts, >12 To 18 Months	2.98	
<i>For >100 To 250, Deduct</i>	-0.15	
<i>For >250 To 500, Deduct</i>	-0.30	
<i>For >500, Deduct</i>	-0.45	
<i>For Shade Cloth, Add</i>	1.60	
01 56 26 00-0015 LF Temporary 6' High Chain Link Fence And Posts, >12 To 18 Months	3.35	
<i>For >100 To 250, Deduct</i>	-0.17	
<i>For >250 To 500, Deduct</i>	-0.34	
<i>For >500, Deduct</i>	-0.50	
<i>For Shade Cloth, Add</i>	2.55	
01 56 26 00-0016 LF Temporary 8' High Chain Link Fence And Posts, >12 To 18 Months	5.66	
<i>For >100 To 250, Deduct</i>	-0.28	
<i>For >250 To 500, Deduct</i>	-0.57	
<i>For >500, Deduct</i>	-0.85	
<i>For Shade Cloth, Add</i>	3.60	
01 56 26 00-0017 LF Temporary 10' High Chain Link Fence And Posts, >12 To 18 Months	16.81	
<i>For >100 To 250, Deduct</i>	-0.84	
<i>For >250 To 500, Deduct</i>	-1.68	
<i>For >500, Deduct</i>	-2.52	
<i>For Shade Cloth, Add</i>	4.75	
01 56 26 00-0018 Temporary Chain Link Fence, >18 Months (01 56 26 00-0002)		
01 56 26 00-0019 LF Temporary 4' High Chain Link Fence And Posts, >18 Months.....	3.27	
<i>For >100 To 250, Deduct</i>	-0.16	
<i>For >250 To 500, Deduct</i>	-0.33	
<i>For >500, Deduct</i>	-0.49	
<i>For Shade Cloth, Add</i>	1.60	
01 56 26 00-0020 LF Temporary 6' High Chain Link Fence And Posts, >18 Months.....	3.67	
<i>For >100 To 250, Deduct</i>	-0.18	
<i>For >250 To 500, Deduct</i>	-0.37	
<i>For >500, Deduct</i>	-0.55	
<i>For Shade Cloth, Add</i>	2.55	
01 56 26 00-0021 LF Temporary 8' High Chain Link Fence And Posts, >18 Months.....	6.22	
<i>For >100 To 250, Deduct</i>	-0.31	
<i>For >250 To 500, Deduct</i>	-0.62	
<i>For >500, Deduct</i>	-0.93	
<i>For Shade Cloth, Add</i>	3.60	
01 56 26 00-0022 LF Temporary 10' High Chain Link Fence And Posts, >18 Months.....	18.49	
<i>For >100 To 250, Deduct</i>	-0.92	
<i>For >250 To 500, Deduct</i>	-1.85	
<i>For >500, Deduct</i>	-2.77	
<i>For Shade Cloth, Add</i>	4.75	
01 56 26 00-0023 Temporary Chain Link Fence Gates (01 56 26 00-0001)		
<i>Note: Includes set-up and removal. Excludes auguring/drilling for posts.</i>		
01 56 26 00-0024 Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0023)		
01 56 26 00-0025 4' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0026 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	156.26	
<i>For Shade Cloth, Add</i>	11.67	
01 56 26 00-0027 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	243.07	
<i>For Shade Cloth, Add</i>	29.17	
01 56 26 00-0028 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	277.79	
<i>For Shade Cloth, Add</i>	35.00	
01 56 26 00-0029 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	312.51	
<i>For Shade Cloth, Add</i>	43.75	
01 56 26 00-0030 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	381.95	
<i>For Shade Cloth, Add</i>	58.34	
01 56 26 00-0031 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	416.69	
<i>For Shade Cloth, Add</i>	70.00	
01 56 26 00-0032 6' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0033 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	163.36	
<i>For Shade Cloth, Add</i>	18.59	
01 56 26 00-0034 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	254.11	
<i>For Shade Cloth, Add</i>	46.49	
01 56 26 00-0035 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	290.41	
<i>For Shade Cloth, Add</i>	55.78	
01 56 26 00-0036 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	326.73	
<i>For Shade Cloth, Add</i>	69.73	
01 56 26 00-0037 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	399.32	
<i>For Shade Cloth, Add</i>	92.97	
01 56 26 00-0038 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	435.62	
<i>For Shade Cloth, Add</i>	111.57	
01 56 26 00-0039 8' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0040 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	179.70	
<i>For Shade Cloth, Add</i>	26.25	
01 56 26 00-0041 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	279.53	
<i>For Shade Cloth, Add</i>	65.63	

01 General Requirements**01 50 Temporary Facilities And Controls****01 56 Temporary Barriers And Enclosures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0042	EA		12' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	319.46	
			<i>For Shade Cloth, Add</i>	78.75	
01 56 26 00-0043	EA		15' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	359.39	
			<i>For Shade Cloth, Add</i>	98.44	
01 56 26 00-0044	EA		20' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	439.26	
			<i>For Shade Cloth, Add</i>	131.26	
01 56 26 00-0045	EA		24' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	479.19	
			<i>For Shade Cloth, Add</i>	157.51	
01 56 26 00-0046			10' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0047	EA		4' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	224.62	
			<i>For Shade Cloth, Add</i>	34.64	
01 56 26 00-0048	EA		10' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	349.41	
			<i>For Shade Cloth, Add</i>	86.59	
01 56 26 00-0049	EA		12' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	399.32	
			<i>For Shade Cloth, Add</i>	103.91	
01 56 26 00-0050	EA		15' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	449.24	
			<i>For Shade Cloth, Add</i>	129.89	
01 56 26 00-0051	EA		20' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	549.07	
			<i>For Shade Cloth, Add</i>	173.18	
01 56 26 00-0052	EA		24' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	598.99	
			<i>For Shade Cloth, Add</i>	207.82	
01 56 26 00-0053			Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0023)		
01 56 26 00-0054			4' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)		
01 56 26 00-0055	EA		4' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	164.07	
			<i>For Shade Cloth, Add</i>	11.67	
01 56 26 00-0056	EA		10' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	255.22	
			<i>For Shade Cloth, Add</i>	29.17	
01 56 26 00-0057	EA		12' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	291.68	
			<i>For Shade Cloth, Add</i>	35.00	
01 56 26 00-0058	EA		15' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	328.14	
			<i>For Shade Cloth, Add</i>	43.75	
01 56 26 00-0059	EA		20' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	401.05	
			<i>For Shade Cloth, Add</i>	58.34	
01 56 26 00-0060	EA		24' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	437.53	
			<i>For Shade Cloth, Add</i>	70.00	
01 56 26 00-0061			6' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)		
01 56 26 00-0062	EA		4' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	171.53	
			<i>For Shade Cloth, Add</i>	18.59	
01 56 26 00-0063	EA		10' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	266.82	
			<i>For Shade Cloth, Add</i>	46.49	
01 56 26 00-0064	EA		12' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	304.93	
			<i>For Shade Cloth, Add</i>	55.78	
01 56 26 00-0065	EA		15' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	343.06	
			<i>For Shade Cloth, Add</i>	69.73	
01 56 26 00-0066	EA		20' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	419.29	
			<i>For Shade Cloth, Add</i>	92.97	
01 56 26 00-0067	EA		24' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	457.40	
			<i>For Shade Cloth, Add</i>	111.57	
01 56 26 00-0068			8' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)		
01 56 26 00-0069	EA		4' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	188.68	
			<i>For Shade Cloth, Add</i>	26.25	
01 56 26 00-0070	EA		10' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	293.50	
			<i>For Shade Cloth, Add</i>	65.63	
01 56 26 00-0071	EA		12' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	335.43	
			<i>For Shade Cloth, Add</i>	78.75	
01 56 26 00-0072	EA		15' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	377.36	
			<i>For Shade Cloth, Add</i>	98.44	
01 56 26 00-0073	EA		20' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	461.22	
			<i>For Shade Cloth, Add</i>	131.26	
01 56 26 00-0074	EA		24' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	503.15	
			<i>For Shade Cloth, Add</i>	157.51	
01 56 26 00-0075			10' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)		
01 56 26 00-0076	EA		4' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	235.85	
			<i>For Shade Cloth, Add</i>	34.64	
01 56 26 00-0077	EA		10' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	366.88	
			<i>For Shade Cloth, Add</i>	86.59	
01 56 26 00-0078	EA		12' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	419.29	
			<i>For Shade Cloth, Add</i>	103.91	
01 56 26 00-0079	EA		15' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	471.70	
			<i>For Shade Cloth, Add</i>	129.89	
01 56 26 00-0080	EA		20' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	576.52	
			<i>For Shade Cloth, Add</i>	173.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0081 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	628.94 207.82	
01 56 26 00-0082 Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0023)		
01 56 26 00-0083 4' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0084 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	172.27 11.67	
01 56 26 00-0085 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	267.98 29.17	
01 56 26 00-0086 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	306.26 35.00	
01 56 26 00-0087 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	344.54 43.75	
01 56 26 00-0088 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	421.10 58.34	
01 56 26 00-0089 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	459.41 70.00	
01 56 26 00-0090 6' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0091 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	180.11 18.59	
01 56 26 00-0092 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	280.16 46.49	
01 56 26 00-0093 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	320.18 55.78	
01 56 26 00-0094 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	360.22 69.73	
01 56 26 00-0095 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	440.25 92.97	
01 56 26 00-0096 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	480.27 111.57	
01 56 26 00-0097 8' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0098 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	198.11 26.25	
01 56 26 00-0099 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	308.18 65.63	
01 56 26 00-0100 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	352.20 78.75	
01 56 26 00-0101 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	396.23 98.44	
01 56 26 00-0102 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	484.28 131.26	
01 56 26 00-0103 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	528.31 157.51	
01 56 26 00-0104 10' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0105 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	247.64 34.64	
01 56 26 00-0106 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	385.22 66.59	
01 56 26 00-0107 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	440.25 103.91	
01 56 26 00-0108 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	495.29 129.89	
01 56 26 00-0109 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	605.35 173.18	
01 56 26 00-0110 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	660.38 207.82	
01 56 26 00-0111 Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0023)		
01 56 26 00-0112 4' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		
01 56 26 00-0113 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	180.48 11.67	
01 56 26 00-0114 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	280.74 29.17	
01 56 26 00-0115 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	320.85 35.00	
01 56 26 00-0116 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	360.95 43.75	
01 56 26 00-0117 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	441.16 58.34	
01 56 26 00-0118 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	481.28 70.00	

01	General Requirements
01 50	Temporary Facilities And Controls
01 56	Temporary Barriers And Enclosures



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0119 6' High, Temporary Chain Link Fence Gates, >18 Months <small>(01 56 26 00-0111)</small>		
01 56 26 00-0120 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	188.68	
For Shade Cloth, Add	18.59	
01 56 26 00-0121 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	293.50	
For Shade Cloth, Add	46.49	
01 56 26 00-0122 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	335.42	
For Shade Cloth, Add	55.78	
01 56 26 00-0123 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	377.37	
For Shade Cloth, Add	69.73	
01 56 26 00-0124 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	461.22	
For Shade Cloth, Add	92.97	
01 56 26 00-0125 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	503.14	
For Shade Cloth, Add	111.57	
01 56 26 00-0126 8' High, Temporary Chain Link Fence Gates, >18 Months <small>(01 56 26 00-0111)</small>		
01 56 26 00-0127 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	207.55	
For Shade Cloth, Add	26.25	
01 56 26 00-0128 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	322.85	
For Shade Cloth, Add	65.63	
01 56 26 00-0129 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	368.98	
For Shade Cloth, Add	78.75	
01 56 26 00-0130 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	415.10	
For Shade Cloth, Add	98.44	
01 56 26 00-0131 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	507.34	
For Shade Cloth, Add	131.26	
01 56 26 00-0132 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	553.46	
For Shade Cloth, Add	157.51	
01 56 26 00-0133 10' High, Temporary Chain Link Fence Gates, >18 Months <small>(01 56 26 00-0111)</small>		
01 56 26 00-0134 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	259.44	
For Shade Cloth, Add	34.64	
01 56 26 00-0135 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	403.57	
For Shade Cloth, Add	86.59	
01 56 26 00-0136 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	461.22	
For Shade Cloth, Add	103.91	
01 56 26 00-0137 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	518.87	
For Shade Cloth, Add	129.89	
01 56 26 00-0138 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	634.18	
For Shade Cloth, Add	173.18	
01 56 26 00-0139 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	691.83	
For Shade Cloth, Add	207.82	
01 56 26 00-0140 Temporary Chain Link Fence Panels (Portable) <small>(01 56 26 00-0001)</small>		
Note: Includes set-up and removal. Excludes sandbags.		
01 56 26 00-0141 Temporary Chain Link Fence Panels (Portable), Up To 6 Months <small>(01 56 26 00-0140)</small>		
01 56 26 00-0142 LF Temporary 4' High Chain Link Fence Panels (Portable), Up To 6 Months.....	2.94	
For >100 To 250, Deduct	-0.15	
For >250 To 500, Deduct	-0.29	
For >500, Deduct	-0.44	
For Shade Cloth, Add	1.60	
01 56 26 00-0143 LF Temporary 6' High Chain Link Fence Panels (Portable), Up To 6 Months.....	3.29	
For >100 To 250, Deduct	-0.16	
For >250 To 500, Deduct	-0.33	
For >500, Deduct	-0.49	
For Shade Cloth, Add	2.55	
01 56 26 00-0144 LF Temporary 8' High Chain Link Fence Panels (Portable), Up To 6 Months.....	5.30	
For >100 To 250, Deduct	-0.27	
For >250 To 500, Deduct	-0.53	
For >500, Deduct	-0.80	
For Shade Cloth, Add	3.60	
01 56 26 00-0145 Temporary Chain Link Fence Panels (Portable), >6 To 12 Months <small>(01 56 26 00-0140)</small>		
01 56 26 00-0146 LF Temporary 4' High Chain Link Fence Panels (Portable), >6 To 12 Months	3.19	
For >100 To 250, Deduct	-0.16	
For >250 To 500, Deduct	-0.32	
For >500, Deduct	-0.48	
For Shade Cloth, Add	1.60	
01 56 26 00-0147 LF Temporary 6' High Chain Link Fence Panels (Portable), >6 To 12 Months	3.56	
For >100 To 250, Deduct	-0.18	
For >250 To 500, Deduct	-0.36	
For >500, Deduct	-0.53	
For Shade Cloth, Add	2.55	
01 56 26 00-0148 LF Temporary 8' High Chain Link Fence Panels (Portable), >6 To 12 Months	5.77	
For >100 To 250, Deduct	-0.29	
For >250 To 500, Deduct	-0.58	
For >500, Deduct	-0.87	
For Shade Cloth, Add	3.60	



General Requirements			01
Temporary Facilities And Controls			01 50
Temporary Barriers And Enclosures			01 56

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0149 Temporary Chain Link Fence Panels (Portable), >12 To 18 Months <small>(01 56 26 00-0140)</small>		
01 56 26 00-0150 LF Temporary 4' High Chain Link Fence Panels (Portable), >12 To 18 Months	3.44	
For >100 To 250, Deduct	-0.17	
For >250 To 500, Deduct	-0.34	
For >500, Deduct	-0.52	
For Shade Cloth, Add	1.60	
01 56 26 00-0151 LF Temporary 6' High Chain Link Fence Panels (Portable), >12 To 18 Months	3.88	
For >100 To 250, Deduct	-0.19	
For >250 To 500, Deduct	-0.39	
For >500, Deduct	-0.58	
For Shade Cloth, Add	2.55	
01 56 26 00-0152 LF Temporary 8' High Chain Link Fence Panels (Portable), >12 To 18 Months	6.29	
For >100 To 250, Deduct	-0.31	
For >250 To 500, Deduct	-0.63	
For >500, Deduct	-0.94	
For Shade Cloth, Add	3.60	
01 56 26 00-0153 Temporary Chain Link Fence Panels (Portable), >18 Months <small>(01 56 26 00-0140)</small>		
01 56 26 00-0154 LF Temporary 4' High Chain Link Fence Panels (Portable), >18 Months	3.75	
For >100 To 250, Deduct	-0.19	
For >250 To 500, Deduct	-0.38	
For >500, Deduct	-0.56	
For Shade Cloth, Add	1.60	
01 56 26 00-0155 LF Temporary 6' High Chain Link Fence Panels (Portable), >18 Months	4.19	
For >100 To 250, Deduct	-0.21	
For >250 To 500, Deduct	-0.42	
For >500, Deduct	-0.63	
For Shade Cloth, Add	2.55	
01 56 26 00-0156 LF Temporary 8' High Chain Link Fence Panels (Portable), >18 Months	6.83	
For >100 To 250, Deduct	-0.34	
For >250 To 500, Deduct	-0.68	
For >500, Deduct	-1.02	
For Shade Cloth, Add	3.60	
01 56 26 00-0157 Temporary Chain Link Fence Panels (Portable) Sandbags <small>(01 56 26 00-0140)</small>		
01 56 26 00-0158 BAG Temporary Chain Link Fence Panels (Portable) Sandbag.....	5.40	
Note: Includes placement and removal.		
01 56 26 00-0159 Relocate Chain Link Fence, Gates And Panels <small>(01 56 26 00-0001)</small>		
Note: Excludes auguring/drilling for posts.		
01 56 26 00-0160 Relocate Temporary Chain Link Fence On Site <small>(01 56 26 00-0159)</small>		
01 56 26 00-0161 LF Relocate Temporary 4' High Chain Link Fence And Posts	2.87	
01 56 26 00-0162 LF Relocate Temporary 6' High Chain Link Fence And Posts	4.31	
01 56 26 00-0163 LF Relocate Temporary 8' High Chain Link Fence And Posts	6.22	
01 56 26 00-0164 LF Relocate Temporary 10' High Chain Link Fence And Posts	7.66	
01 56 26 00-0165 Relocate Temporary Chain Link Fence Panels On Site <small>(01 56 26 00-0159)</small>		
01 56 26 00-0166 LF Relocate Temporary 4' High Chain Link Fence Panel, Self Standing	0.70	
01 56 26 00-0167 LF Relocate Temporary 6' High Chain Link Fence Panel, Self Standing	0.84	
01 56 26 00-0168 LF Relocate Temporary 8' High Chain Link Fence Panel, Self Standing	0.94	
01 56 26 00-0169 Relocate Temporary Chain Link Gates On Site <small>(01 56 26 00-0159)</small>		
01 56 26 00-0170 EA Relocate Temporary 4' High Chain Link Vehicle Gate And Posts.....	91.15	
01 56 26 00-0171 EA Relocate Temporary 6' High Chain Link Vehicle Gate And Posts.....	105.18	
01 56 26 00-0172 EA Relocate Temporary 8' High Chain Link Vehicle Gate And Posts.....	129.73	
01 56 26 00-0173 EA Relocate Temporary 10' High Chain Link Vehicle Gate And Posts.....	140.24	
01 56 26 00-0174 Temporary Safety Fence <small>(01 56 26)</small>		
Note: Includes removal after use.		
01 56 26 00-0175 LF 48" High With Posts At 8' On Center, Plastic Mesh Temporary Safety Fence	2.52	
01 56 29 Temporary Protective Walkways <small>(01 56)</small>		
01 56 29 00-0001 Temporary Sidewalk Bridge Protection <small>(01 56 29)</small>		
Note: Includes removal after use.		
01 56 29 00-0002 Installation of Sidewalk Bridge <small>(01 56 29 00-0001)</small>		
01 56 29 00-0003 LF Installation of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	140.42	
Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.		
For 3 Post System, Add	6.00	
For Each Additional Foot Over 8' Wide, Add	3.00	
For Each Additional Foot Over 8' High, Add	2.00	
01 56 29 00-0004 LF Installation of Netting for Sidewalk Bridge	3.58	

01	General Requirements
01 50	Temporary Facilities And Controls
01 56	Temporary Barriers And Enclosures



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 56 29 00-0005		Monthly Rental of Sidewalk Bridge (01 56 29 00-0001)	
01 56 29 00-0006	LF	Monthly Rental Of Up To 8' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	8.30
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.	
		<i>For 3 Post System, Add</i>	1.25
01 56 29 00-0007	LF	Monthly Rental Of Up To 8' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	9.35
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.	
		<i>For 3 Post System, Add</i>	1.40
01 56 29 00-0008	LF	Monthly Rental Of Up To 8' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	10.39
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.	
		<i>For 3 Post System, Add</i>	1.56
01 56 29 00-0009	LF	Monthly Rental Of 8' - 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	10.39
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.	
		<i>For 3 Post System, Add</i>	1.56
01 56 29 00-0010	LF	Monthly Rental Of 8' - 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	11.42
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.	
		<i>For 3 Post System, Add</i>	1.71
01 56 29 00-0011	LF	Monthly Rental Of 8' - 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	13.51
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.	
		<i>For 3 Post System, Add</i>	2.03
01 56 29 00-0012	LF	Monthly Rental Of Over 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	12.48
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.	
		<i>For 3 Post System, Add</i>	1.87
01 56 29 00-0013	LF	Monthly Rental Of Over 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	14.55
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.	
		<i>For 3 Post System, Add</i>	2.18
01 56 29 00-0014	LF	Monthly Rental Of Over 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	15.57
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.	
		<i>For 3 Post System, Add</i>	2.34
01 56 29 00-0015	LF	Monthly Rental of Netting for Sidewalk Bridge.....	1.56
01 56 29 00-0016		Removal of Sidewalk Bridge (01 56 29 00-0001)	
01 56 29 00-0017	LF	Removal of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	29.23
		Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.	
		<i>For 3 Post System, Add</i>	2.50
		<i>For Each Additional Foot Over 8' Wide, Add</i>	1.25
		<i>For Each Additional Foot Over 8' High, Add</i>	0.75
01 56 29 00-0018	LF	Removal of Netting for Sidewalk Bridge.....	1.79
01 56 29 00-0019		Safety Nets (01 56 29)	
		Note: Includes removal after use.	
01 56 29 00-0020	SF	Small Mesh Debris Netting.....	1.44
		Note: Includes 3" molded plastic base plates, plastic cable ties, and 1/4", 7x9 aircraft cable tied off to structure, not including anchors.	
01 56 33		Temporary Security Barriers (01 56)	
01 56 33 00-0001		Board-up Opening With Plywood (01 56 33)	
		Note: For use where directed by owner for boarding up door and window openings.	
01 56 33 00-0002	OPN	Removal Of Protective Barrier To Allow Work In Building, Reseal At End Of Day, Per Opening Per Day.....	10.52
01 56 33 00-0003	SF	Board-up Opening With 5/8" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners.....	6.33
01 56 33 00-0004	SF	Board-up Opening With 3/4" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners.....	7.35
01 56 33 00-0005		Temporary Pedestrian Barricade (01 56 33)	
		Note: Portable, interlocking galvanized steel fence with pivoting legs.	
01 56 33 00-0006	DAY	3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....	7.74
01 56 33 00-0007	WK	3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....	18.80
01 56 33 00-0008	MO	3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....	56.40
01 56 39		Temporary Tree And Plant Protection (01 56)	
01 56 39 00-0001		Temporary Tree Guards (01 56 39)	
		Note: Includes digging holes and removal after use.	
01 56 39 00-0002	EA	Up To 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	140.00
01 56 39 00-0003	EA	4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	162.65
01 56 39 00-0004	EA	6' x 6' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	176.05



General Requirements		01
Temporary Facilities And Controls		01 50
Temporary Controls		01 57

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 57 Temporary Controls (01 50)

01 57 13 Temporary Erosion And Sediment Control (01 57)

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

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

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

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

Note: Includes removal after use.

01 57 23 00-0002	EA	36" x 48" x 18" Non-Woven Polypropylene Trash and Debris Drain Guard (Ultra-Drain Guard® 9227)	68.35	
01 57 23 00-0003	EA	36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9217)	67.21	
		Note: Up to 0.87 gallons oil, up to 40 lbs sediment.		
01 57 23 00-0004	EA	36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9219)	83.23	
		Note: Up to 1.38 gallons oil, up to 40 lbs sediment.		
01 57 23 00-0005	EA	60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9356)	82.08	
		Note: Up to 1.55 gallons oil, up to 40 lbs sediment.		
01 57 23 00-0006	EA	60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9358)	99.26	
		Note: Up to 2.06 gallons oil, up to 40 lbs sediment.		

01 58 Project Identification (01 50)

Note: Includes removal after use.

01 58 13 Temporary Project Signage (01 58)

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

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

Note: Excludes posts.

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

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

01 58 13 00-0005	EA	Up To 8 SF, One Or Two Color Design, Engineer Grade, ReflectORIZED, MDO Plywood Sign	107.10	19.29
		For High-Intensity Grade, Add	23.99	
		For Diamond Grade, Add	46.26	
01 58 13 00-0006	EA	>8 To 16 SF, One Or Two Color Design, Engineer Grade, ReflectORIZED, MDO Plywood Sign	177.39	20.16
		For High-Intensity Grade, Add	47.97	
		For Diamond Grade, Add	92.52	
01 58 13 00-0007	EA	>16 To 24 SF, One Or Two Color Design, Engineer Grade, ReflectORIZED, MDO Plywood Sign	247.67	21.04
		For High-Intensity Grade, Add	71.96	
		For Diamond Grade, Add	138.77	
01 58 13 00-0008	EA	>24 To 32 SF, One Or Two Color Design, Engineer Grade, ReflectORIZED, MDO Plywood Sign	317.95	21.92
		For High-Intensity Grade, Add	95.94	
		For Diamond Grade, Add	185.03	
01 58 13 00-0009	SF	>32 SF, One Or Two Color Design, Engineer Grade, ReflectORIZED, MDO Plywood Sign	9.97	0.70
		For High-Intensity Grade, Add	3.00	
		For Diamond Grade, Add	5.78	

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

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

01 58 13 00-0012	EA	Up To 8 SF, One Or Two Color Design, Non ReflectORIZED, MDO Plywood Sign	131.55	19.29
01 58 13 00-0013	EA	>8 To 16 SF, One Or Two Color Design, Non ReflectORIZED, MDO Plywood Sign	155.50	20.16
01 58 13 00-0014	EA	>16 To 24 SF, One Or Two Color Design, Non ReflectORIZED, MDO Plywood Sign	192.64	21.04
01 58 13 00-0015	EA	>24 To 32 SF, One Or Two Color Design, Non ReflectORIZED, MDO Plywood Sign	227.73	21.92
01 58 13 00-0016	SF	>32 SF, One Or Two Color Design, Non ReflectORIZED, MDO Plywood Sign	7.15	0.70

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

01 58 13 00-0018	EA	Up To 8 SF, Full Color Design, Non ReflectORIZED, MDO Plywood Sign	134.16	19.29
01 58 13 00-0019	EA	>8 To 16 SF, Full Color Design, Non ReflectORIZED, MDO Plywood Sign	169.61	20.16
01 58 13 00-0020	EA	>16 To 24 SF, Full Color Design, Non ReflectORIZED, MDO Plywood Sign	206.98	21.04
01 58 13 00-0021	EA	>24 To 32 SF, Full Color Design, Non ReflectORIZED, MDO Plywood Sign	240.02	21.92
01 58 13 00-0022	SF	>32 SF, Full Color Design, Non ReflectORIZED, MDO Plywood Sign	7.53	0.70

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

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

01 58 13 00-0024	LF	Galvanized Metal Channel Sign Posts	12.41	
01 58 13 00-0025	LF	4" x 4" Pressure Treated Wood Sign Posts	10.10	
01 58 13 00-0026	LF	4" x 6" Pressure Treated Wood Sign Posts	11.70	

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

01 58 13 00-0028	EA	Installation And Removal Of Owner Supplied Project Sign	70.13	
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01 60 Product Requirements (01)

01 66 Product Storage And Handling Requirements (01 60)

01	01	General Requirements
	01 60	Product Requirements
	01 66	Product Storage And Handling Requirements



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 66 19 Product Handling Requirements (01 66)

Note: Not for use in conjunction with other tasks when the distance is less than 2 stories with attic (2-1/2 stories) or less than 125'.

01 66 19 00-0001	Transfer Delivered Materials Between Floors (01 66 19)	
	Note: For moving delivered, owner supplied or existing materials.	
01 66 19 00-0002	CY Transfer Delivered Material Between Floors Via Stairs, Per Floor	13.48
	Note: Quantity equals volume of materials multiplied by number of floors traveled.	
01 66 19 00-0003	CY Transfer Delivered Material Between Floors Via Elevator, Per Trip	8.77
	Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.	
01 66 19 00-0004	Transfer Delivered Materials Distances Greater Than 125' (01 66 19)	
	Note: For moving delivered, owner supplied or existing materials.	
01 66 19 00-0005	CY Transfer Delivered Materials Distances Greater Than 125', Per CY Of Material Per 125'	5.48
01 66 19 00-0006	Transfer Demolition Debris Between Floors (01 66 19)	
	Note: Only for use with demolition tasks.	
01 66 19 00-0007	CY Transfer Demolition Debris Between Floors Via Stairs, Per Floor	17.36
	Note: Quantity equals material volume times bulk factor times number of floors traveled.	
01 66 19 00-0008	CY Transfer Demolition Debris Between Floors Via Elevator, Per Trip	10.40
	Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.	
01 66 19 00-0009	Transfer Demolition Debris Distances Greater Than 125' (01 66 19)	
	Note: For moving delivered, owner supplied or existing materials.	
01 66 19 00-0010	CY Transfer Demolition Debris Distances Greater Than 125', Per CY Of Material Per 125'	5.48
01 66 19 00-0011	Moving Furniture And Furnishings (01 66 19)	
	Note: To be used when contractor is required to move furniture and furnishings occupying 55% or more of the total floor space.	
01 66 19 00-0012	SF Remove, Transport, Return And Reinstall Office Furniture And Furnishings	0.87
	Note: Includes desks, tables, file cabinets, chairs, storage boxes, bookshelves, office equipment, computers, and other furniture and furnishings. Quantity equals total floor space.	

01 70 Execution And Closeout Requirements (01)

01 71 Examination And Preparation (01 70)

01 71 13 Mobilization (01 71)

01 71 13 00-0001	Equipment Delivery, Pickup, Mobilization And Demobilization (01 71 13)	
	Note: Excludes flagman for traffic control where necessary.	
01 71 13 00-0002	EA Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed Truck	244.70
	Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom manlifts with up to 40' boom lengths, etc.	
01 71 13 00-0003	EA Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed	747.75
	Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom manlifts with >40' boom lengths, etc.	
01 71 13 00-0004	Crane Delivery, Pickup, Mobilization And Demobilization (01 71 13)	
	Note: Includes delivery of equipment, off loading on site and rigging. Return includes dismantling, loading and transporting away. Excludes flagman for traffic control where necessary.	
01 71 13 00-0005	EA Up To 20 Ton Lift Move On/Off Cost, Hydraulic Crane	391.52
	Note: Includes delivery and pickup.	
	For >30 To 60 Miles Radius, Add	97.88
	For >60 To 100 Miles Radius, Add	156.61
01 71 13 00-0006	EA 20 To 30 Ton Lift Move On/Off Cost, Hydraulic Crane	636.21
	Note: Includes delivery and pickup.	
	For >30 To 60 Miles Radius, Add	159.05
	For >60 To 100 Miles Radius, Add	254.48
01 71 13 00-0007	EA 40 To 50 Ton Lift Move On/Off Cost, Hydraulic Crane	880.91
	Note: Includes delivery and pickup.	
	For >30 To 60 Miles Radius, Add	220.23
	For >60 To 100 Miles Radius, Add	352.36
01 71 13 00-0008	EA 70 To 100 Ton Lift Move On/Off Cost, Hydraulic Crane	1,419.24
	Note: Includes delivery and pickup.	
	For >30 To 60 Miles Radius, Add	354.81
	For >60 To 100 Miles Radius, Add	567.70
01 71 13 00-0009	EA 75 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane	1,125.61
	Note: Includes delivery and pickup.	
	For >30 To 60 Miles Radius, Add	281.40
	For >60 To 100 Miles Radius, Add	450.24



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 13 00-0010 EA 100 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	1,810.76	
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add	452.69	
For >60 To 100 Miles Radius, Add	724.30	
01 71 13 00-0011 EA 125 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	2,280.58	
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add	570.15	
For >60 To 100 Miles Radius, Add	912.23	
01 71 13 00-0012 EA 150 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	2,828.71	
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add	707.18	
For >60 To 100 Miles Radius, Add	1,131.48	
01 71 13 00-0013 EA 250 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	4,110.92	
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add	1,027.73	
For >60 To 100 Miles Radius, Add	1,644.37	
01 71 13 00-0014 EA 300 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	5,872.74	
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add	1,468.19	
For >60 To 100 Miles Radius, Add	2,349.10	
01 71 13 00-0015 EA 500 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	8,075.03	
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add	2,018.76	
For >60 To 100 Miles Radius, Add	3,230.01	
01 71 23 Field Engineering (01 71)		
01 71 23 16 Construction Surveying (01 71 23)		
01 71 23 16-0001 Conventional Topographic Survey (01 71 23 16)		
Note: The professional services include AutoCAD drafting and certification. The survey includes location of structures, walks, drives, parking, significant vegetation, utilities, etc. The area within building footprint is not to be considered as part of the acreage.		
01 71 23 16-0002 ACR Survey Clear Area With Few To No Obstacles.....	900.64	
01 71 23 16-0003 ACR Survey Clear Area With Medium Height Vegetation, Few Trees (<5% Buildings).....	2,605.29	
01 71 23 16-0004 ACR Survey Clear Area With Few Structures, And/Or Wooded (5-25% Buildings).....	3,734.00	
01 71 23 16-0005 ACR Survey Developed Areas With Several Structures (25-65% Buildings).....	5,672.66	
01 71 23 16-0006 ACR Survey Highly Developed Areas, Sidewalks, Etcetera (>65% Buildings).....	7,123.80	
01 71 23 16-0007 Property Lines Survey (01 71 23 16)		
Note: Not to be added to tasks in the "Conventional Topographic Survey" section.		
01 71 23 16-0008 LF Survey Property Lines On Cleared Land.....	2.17	
01 71 23 16-0009 LF Survey Property Lines On Slightly Wooded Land.....	2.51	
01 71 23 16-0010 LF Survey Property Lines On Wooded Land.....	2.95	
01 71 23 16-0011 Survey Monument (01 71 23 16)		
01 71 23 16-0012 EA 3' Precast Survey Monument.....	135.98	
For Owner Furnished Monument, Deduct	-61.37	
01 71 23 16-0013 EA Precast Survey Monument Box With Cast Iron Frame And Cover.....	189.09	
01 71 23 16-0014 EA Riser Ring For Survey Monument.....	94.64	
01 71 23 16-0015 EA Adjust Survey Monument Cover To Grade.....	61.37	
01 71 23 16-0016 Facade Surveying (01 71 23 16)		
01 71 23 16-0017 LF Facade Survey And Reports (LF Of Facade x Number Of Floors).....	5.98	
01 71 23 16-0018 Utility Survey (01 71 23 16)		
Note: This survey is only for the location of underground utilities.		
01 71 23 16-0019 ACR Survey Clear Area For Underground Utilities.....	4,935.54	
01 71 36 Non-Destructive Concrete Examination (01 71)		
01 71 36 00-0001 Electromagnetic Survey (01 71 36)		
Note: To locate voids, prior to moving heavy machinery to an area of concern, to locate reinforcing bars, conduits, pipes, etc., prior to core drilling or cutting existing concrete, masonry or asphalt, to locate underground utilities, underground storage tanks, etc. Electromagnetic survey includes Subsurface Interface Radar (SIR) and/or Ground Penetrating Radar (GPR).		
01 71 36 00-0002 Electromagnetic (SIR/GPR) Survey (01 71 36 00-0001)		
01 71 36 00-0003 EA Up To 1 Hour On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	622.74	
01 71 36 00-0004 EA >1 To 4 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	934.11	
01 71 36 00-0005 EA >4 To 8 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	1,868.22	
01 71 36 00-0006 Reports And Mapping For Electromagnetic (SIR/GPR) Surveys (01 71 36 00-0001)		
01 71 36 00-0007 EA Standard Report For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	207.58	
Note: Includes a detailed description of the scope of work, inspection methods, and equipment used. Also includes visuals such as site locations, images of data, and site photos.		

01	01	General Requirements
	01 70	Execution And Closeout Requirements
	01 71	Examination And Preparation



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 36 00-0008 EA GPS Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	415.16	
Note: Includes GPS coordinates of located items and reference items.		
01 71 36 00-0009 EA CAD Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	934.11	
Note: Includes additions to the owner provided CAD drawing.		
01 74 Cleaning And Waste Management (01 70)		
01 74 13 Progress Cleaning (01 74)		
Note: For use on existing areas other than where actual work is to be performed where ordered by the owner. Daily cleanup and final cleanup is included in the contractor's adjustment factor.		
01 74 13 00-0001 General (01 74 13)		
01 74 13 00-0002 CSF Clean Miscellaneous Surfaces, Wipe Down With Mild Detergent	17.55	
01 74 13 00-0003 CY Collect Existing Debris And Load Into Truck Or Dumpster	20.55	
Note: Per CY of debris removed.		
01 74 16 Site Maintenance (01 74)		
01 74 16 00-0001 Parking Lot, Roads And Pathway Maintenance (01 74 16)		
Note: These tasks shall be used for maintenance of existing roads and walks only as requested by the owner. Do not use these tasks in conjunction with related installation/demolition tasks in the Construction Task Catalog®.		
01 74 16 00-0002 Parking Lot, Road, And Street Sweeping (01 74 16 00-0001)		
01 74 16 00-0003 MSF Sweep Parking Lot, With Street Sweeper	17.45	
01 74 16 00-0004 MSF Sweeper/Vacuum/Sprayer For Parking Lots, Streets And Roads.....	20.94	
01 74 16 00-0005 Runway Sweeping (01 74 16 00-0001)		
01 74 16 00-0006 MSF Sweep Runway, With Street Sweep	26.18	
01 74 19 Construction Waste Management And Disposal (01 74)		
Note: Tasks in this section shall be used as directed by owner.		
01 74 19 00-0001 Debris Chutes (01 74 19)		
Note: Includes hopper sections and entry sections. Used as required for buildings of all heights.		
01 74 19 00-0002 Steel Temporary Debris Chutes (01 74 19 00-0001)		
01 74 19 00-0003 LF 18" Diameter, Steel Temporary Debris Chute.....	27.99	
01 74 19 00-0004 LF 30" Diameter, Steel Temporary Debris Chute.....	41.66	
01 74 19 00-0005 Plastic Temporary Debris Chutes (01 74 19 00-0001)		
01 74 19 00-0006 LF 24" Diameter, Plastic Temporary Debris Chute	11.06	
For Steel Liner, Add		
01 74 19 00-0007 LF 30" Diameter, Plastic Temporary Debris Chute	12.67	
For Steel Liner, Add		
01 74 19 00-0008 LF 36" Diameter, Plastic Temporary Debris Chute	14.27	
For Steel Liner, Add		
01 74 19 00-0009 Wood Temporary Debris Chutes (01 74 19 00-0001)		
01 74 19 00-0010 LF 4' x 4', Wood Temporary Debris Chute	20.84	
Note: Includes fabrication and installation.		
01 74 19 00-0011 Construction Dumpsters Rental (01 74 19)		
Note: Includes service to delivery and pick-up of dumpster, hauling of debris, rental of dumpster and all applicable non-hazardous disposal fees. Cost of "each" is based on each pick-up. Unacceptable materials include: aerosol cans, all liquids, animals, antifreeze, appliances, asbestos, barrels, batteries, chemical products, computers, contaminated oils (mixed with solvents, gasoline, etc.), dirt, fluorescent tubes, hazardous waste, herbicides & pesticides, industrial waste, lubricating/hydraulic oil, mattresses, medical waste, microwaves, monitors, motor oil, oil filters, other flammable liquids, paint (except completely dried latex paint cans, no liquids), petroleum-contaminated soil/lead paint chips, propane tanks, radioactive material, railroad ties, solvents, televisions, tires, and transmission oil.		
01 74 19 00-0012 EA 10 CY Dumpster (1 Ton) "Construction Debris".....	494.99	
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
For Each Ton Over Indicated Amount, Add		
01 74 19 00-0013 EA 15 CY Dumpster (1.5 Ton) "Construction Debris".....	590.00	
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
For Each Ton Over Indicated Amount, Add		
01 74 19 00-0014 EA 20 CY Dumpster (2 Ton) "Construction Debris".....	685.00	
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
For Each Ton Over Indicated Amount, Add		
01 74 19 00-0015 EA 30 CY Dumpster (3 Ton) "Construction Debris".....	784.98	
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
For Each Ton Over Indicated Amount, Add		
01 74 19 00-0016 EA 40 CY Dumpster (4 Ton) "Construction Debris".....	884.98	
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
For Each Ton Over Indicated Amount, Add		



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Execution And Closeout Requirements	01 70	
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 74 19 00-0017 EA 10 CY Low-Boy Dumpster "Concrete Or Asphalt Only".....	884.98	
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Concrete or asphalt only.		
01 74 19 00-0018 EA 15 CY Low-Boy Dumpster Clean Recyclable.....	847.05	
Note: For clean dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.		
01 74 19 00-0019 EA 15 CY Low-Boy Dumpster Mixed Recyclable.....	910.26	
Note: For mixed dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.		
01 74 19 00-0020 Concrete Washout Service (01 74 19)		
01 74 19 00-0021 MO Rampless Concrete Washout Bin.....	589.50	
Note: Includes delivery.		
01 74 19 00-0022 MO Ramped Concrete Washout Bin.....	707.40	
Note: Includes delivery.		
01 74 19 00-0023 EA Interim Vacuum Service, Concrete Washout Bin.....	342.66	
Note: Includes vacuum and recycle excess clear liquid from the unfilled bin to allow additional space for washout material.		
01 74 19 00-0024 EA Vacuum, Pickup, Swap And Dump, Concrete Washout Bin.....	742.43	
Note: Includes vacuum the liquid from the full bin and pick up the bin, and recycle all material. An empty bin will be left at the site if the project is not completed.		
01 74 19 00-0025 Debris Processing Fee (01 74 19)		
01 74 19 00-0026 Material Recycling Fees (01 74 19 00-0025)		
Note: Does not apply with use of dumpsters. Excludes hauling.		
01 74 19 00-0027 TRK Drop-Off Mixed Materials At Recycling Center, Concrete And Asphalt, Clean (Semi-Truck Load).....	232.12	
01 74 19 00-0028 TRK Drop-Off Mixed Materials At Recycling Center, Concrete And Asphalt, With Metal And Rebar.....	239.49	
01 74 19 00-0029 Landfill Dump Fees (01 74 19 00-0025)		
Note: Does not apply when material is transferred to owner's site or facility, or with use of dumpsters. Excludes hauling. See CSI section 01 74 19 00-0036 for hauling.		
01 74 19 00-0030 CY Traditional Building Construction Materials Landfill Dump Fee.....	13.31	
01 74 19 00-0031 CY Trees, Stumps And Brush, Landfill Dump Fee.....	16.02	
01 74 19 00-0032 CY Rubbish Landfill Dump Fee.....	13.06	
01 74 19 00-0033 CY Hazardous Materials And Rubbish (Paint Cans, Etcetera) Landfill Dump Fee.....	38.20	
01 74 19 00-0034 CY Excavated Dirt Landfill Dump Fee.....	12.82	
01 74 19 00-0035 CY Asphalt, Concrete, Gravel And Subgrade Material, Landfill Dump Fee.....	27.14	
01 74 19 00-0036 Hauling (01 74 19)		
Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one way mileage) times the number of cubic yards being transported. For example, to haul 8 CY to a site 14 miles away, the quantity is calculated as follows: 14 miles x 8 CY = 112 CYM. Use both hauling tasks for distances greater than 15 miles. To haul 28 CY to a site 32 miles away, the quantity for the task to haul the first 15 miles is calculated: 15 miles x 28 CY = 420 CYM. The quantity for the additional hauling task over the first 15 miles is calculated: 32 total miles less 15 initial miles equals 17 miles x 28 CY = 476 CYM.		
01 74 19 00-0037 CYM Hauling On Paved Roads, First 15 Miles.....	0.74	
01 74 19 00-0038 CYM Hauling On Paved Roads, Miles Over Initial 15 Miles.....	0.49	
01 74 19 00-0039 CYM Hauling On Unimproved Roads, First 15 Miles.....	1.13	
01 74 19 00-0040 CYM Hauling On Unimproved Roads, Miles Over Initial 15 Miles.....	0.88	
01 74 23 Final Cleaning (01 74)		
01 74 23 00-0001 Glass (01 74 23)		
01 74 23 00-0002 CSF Clean Existing Glass Surfaces.....	23.11	

END OF SECTION 01

01	01	General Requirements
	01 70	Execution And Closeout Requirements
	01 74	Cleaning And Waste Management



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 Existing Conditions

02 20 Assessment ⁽⁰²⁾

02 25 Existing Material Assessment ^(02 20)

02 25 16 Existing Concrete, Masonry Or Asphalt Assessment ^(02 25)

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

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

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

02 30 Subsurface Investigation ⁽⁰²⁾

02 32 Geotechnical Investigations ^(02 30)

02 32 13 Subsurface Drilling And Sampling ^(02 32)

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

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

02 32 13 00-0002 EA Mobilization Of Drilling Crew 927.04

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

02 32 13 00-0004 LF Standard Auger Hole With Split Spoon Sample At 5' Intervals 27.92

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

Note: All types of soils.

02 32 13 00-0006 LF 2-1/2" Diameter Cased Borings In Earth, With Samples 63.22

02 32 13 00-0007 LF 4" Diameter Cased Borings In Earth, With Samples 108.04

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

02 32 13 00-0009 LF Drill In Rock, BW Core, With Casing 68.01

Note: Includes sampling.

02 32 13 00-0010 EA Drill In Rock, With BW Core Boxes 6.01

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

02 32 13 00-0012 LF Drill In Rock, NW Core, With Casing 87.64

Note: Includes sampling.

02 32 13 00-0013 EA Drill In Rock, With NW Core Boxes 6.92

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

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

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

02 32 13 00-0016 CY Excavation For Test Pit, Light Material, Backhoe Excavation 53.51

02 32 13 00-0017 CY Excavation For Test Pits, Medium Material, Backhoe Excavation 62.43

02 32 13 00-0018 CY Excavation For Test Pit, Heavy Material, Backhoe Excavation 83.24

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

02 32 13 00-0020 CY Excavation For Test Pit, Light Soil, Hand Excavation 155.83

02 32 13 00-0021 CY Excavation For Test Pit, Heavy Soil, Hand Excavation 280.49

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

02 32 13 00-0023 EA Shelby Tube Sampling 29.93

02 32 13 00-0024 EA Penetration Test 24.39

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

02 32 13 00-0026 VLF Boreholes 5.67

02 32 19 Exploratory Excavations ^(02 32)

02 32 19 00-0001 Hydroexcavation ^(02 32 19)

Note: Assumes on-site disposal.

02 32 19 00-0002 DAY Hydroexcavation, Mobilization 103.31

02 32 19 00-0003 DAY Hydroexcavation, Minimum Charge 413.25

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

02 32 19 00-0004 CY Hydroexcavation, Normal Soil Conditions (Hydro Vac Truck) 34.43

Note: Normal soil conditions consist of silt, sand and gravel.

02 Existing Conditions**02 30 Subsurface Investigation****02 32 Geotechnical Investigations**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 32 19 00-0005 CY Hydroexcavation, Adverse Soil Conditions (Hydro Vac Truck)55.10
 Note: Adverse soil conditions consist of clay, glacial till and rocks.

02 40 Demolition And Structure Moving ⁽⁰²⁾**02 41 Demolition** ^(02 40)**02 41 13 Selective Site Demolition** ^(02 41)**02 41 13 13 Paving Removal** ^(02 41 13)

Note: Includes break-up of material, loading into truck or dumpster and clean-up. Salvage tasks include placement on pallets and storage on site.

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

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

02 41 13 13-0002	SY	Up To 3" By Machine, Break-up And Leave In Place Bituminous Paving	5.57
		<i>For >500 To 1,000, Deduct</i>	-0.56
		<i>For >1,000 To 2,500, Deduct</i>	-1.00
		<i>For >2,500 To 5,000, Deduct</i>	-1.45
		<i>For >5,000 To 10,000, Deduct</i>	-1.89
		<i>For >10,000, Deduct</i>	-2.34
02 41 13 13-0003	SY	>3" To 6" By Machine, Break-up And Leave In Place Bituminous Paving	8.36
		<i>For >500 To 1,000, Deduct</i>	-0.84
		<i>For >1,000 To 2,500, Deduct</i>	-1.50
		<i>For >2,500 To 5,000, Deduct</i>	-2.17
		<i>For >5,000 To 10,000, Deduct</i>	-2.84
		<i>For >10,000, Deduct</i>	-3.51
02 41 13 13-0004	SY	>6" To 8" By Machine, Break-up And Leave In Place Bituminous Paving	11.15
		<i>For >500 To 1,000, Deduct</i>	-1.12
		<i>For >1,000 To 2,500, Deduct</i>	-2.01
		<i>For >2,500 To 5,000, Deduct</i>	-2.90
		<i>For >5,000 To 10,000, Deduct</i>	-3.79
		<i>For >10,000, Deduct</i>	-4.68
02 41 13 13-0005	SY	Up To 3" By Machine, Break-up And Leave In Place Concrete Paving	9.79
		<i>For >500 To 1,000, Deduct</i>	-0.98
		<i>For >1,000 To 2,500, Deduct</i>	-1.76
		<i>For >2,500 To 5,000, Deduct</i>	-2.55
		<i>For >5,000 To 10,000, Deduct</i>	-3.33
		<i>For >10,000, Deduct</i>	-4.11
02 41 13 13-0006	SY	>3" To 6" By Machine, Break-up And Leave In Place Concrete Paving	13.81
		<i>For >500 To 1,000, Deduct</i>	-1.38
		<i>For >1,000 To 2,500, Deduct</i>	-2.49
		<i>For >2,500 To 5,000, Deduct</i>	-3.59
		<i>For >5,000 To 10,000, Deduct</i>	-4.70
		<i>For >10,000, Deduct</i>	-5.80
02 41 13 13-0007	SY	>6" To 9" By Machine, Break-up And Leave In Place Concrete Paving	19.57
		<i>For >500 To 1,000, Deduct</i>	-1.96
		<i>For >1,000 To 2,500, Deduct</i>	-3.52
		<i>For >2,500 To 5,000, Deduct</i>	-5.09
		<i>For >5,000 To 10,000, Deduct</i>	-6.65
		<i>For >10,000, Deduct</i>	-8.22
02 41 13 13-0008	SY	>9" To 14" By Machine, Break-up And Leave In Place Concrete Paving.....	27.63
		<i>For >500 To 1,000, Deduct</i>	-2.76
		<i>For >1,000 To 2,500, Deduct</i>	-4.97
		<i>For >2,500 To 5,000, Deduct</i>	-7.18
		<i>For >5,000 To 10,000, Deduct</i>	-9.39
		<i>For >10,000, Deduct</i>	-11.60
02 41 13 13-0009	SY	>14" To 19" By Machine, Break-up And Leave In Place Concrete Paving.....	36.13
		<i>For >500 To 1,000, Deduct</i>	-3.61
		<i>For >1,000 To 2,500, Deduct</i>	-6.50
		<i>For >2,500 To 5,000, Deduct</i>	-9.39
		<i>For >5,000 To 10,000, Deduct</i>	-12.28
		<i>For >10,000, Deduct</i>	-15.17
02 41 13 13-0010	SY	>19" To 24" By Machine, Break-up And Leave In Place Concrete Paving.....	46.97
		<i>For >500 To 1,000, Deduct</i>	-4.70
		<i>For >1,000 To 2,500, Deduct</i>	-8.45
		<i>For >2,500 To 5,000, Deduct</i>	-12.21
		<i>For >5,000 To 10,000, Deduct</i>	-15.97
		<i>For >10,000, Deduct</i>	-19.73

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

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles with jackhammer and hand tools. For individual work areas up to 100 SF where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting. See CSI section 02 41 13 13-0018 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0001 for saw cutting.

02 41 13 13-0012	SF	Up To 3" By Hand, Break-up And Leave In Place Bituminous Paving	1.40
02 41 13 13-0013	SF	>3" To 6" By Hand, Break-up And Leave In Place Bituminous Paving	1.78



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0014	SF			>6" To 8" By Hand, Break-up And Leave In Place Bituminous Paving.....	2.35	
02 41 13 13-0015	SF			Up To 3" By Hand, Break-up And Leave In Place Concrete Paving.....	1.75	
02 41 13 13-0016	SF			>3" To 6" By Hand, Break-up And Leave In Place Concrete Paving.....	2.23	
02 41 13 13-0017	SF			Break-Up >6" To 8" Concrete Paving By Hand With Material Left In Place After Break-up.....	2.95	
02 41 13 13-0018				By Machine, Break-up And Remove Bituminous And Concrete Paving <small>(02 41 13 13)</small>		
				<small>13)</small> Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Excludes saw cutting. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 13 13-0019	SY			Up To 3" By Machine, Break-up And Remove Bituminous Paving.....	10.93	
				For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	3.28	
				Note: (Around Existing Structures And Obstructions), Add		
				For Elevated Slab, Add	5.47	
				For >500 To 1,000, Deduct	-1.09	
				For >1,000 To 2,500, Deduct	-1.97	
				For >2,500 To 5,000, Deduct	-2.84	
				For >5,000 To 10,000, Deduct	-3.72	
				For >10,000, Deduct	-4.59	
02 41 13 13-0020	SY			>3" To 6" By Machine, Break-up And Remove Bituminous Paving.....	14.91	
				For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	4.47	
				Note: (Around Existing Structures And Obstructions), Add		
				For Elevated Slab, Add	7.46	
				For >500 To 1,000, Deduct	-1.49	
				For >1,000 To 2,500, Deduct	-2.68	
				For >2,500 To 5,000, Deduct	-3.88	
				For >5,000 To 10,000, Deduct	-5.07	
				For >10,000, Deduct	-6.26	
02 41 13 13-0021	SY			Up To 3" By Machine, Break-up And Remove Non Reinforced Concrete Paving.....	12.57	
				For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	3.77	
				Note: (Around Existing Structures And Obstructions), Add		
				For Elevated Slab, Add	6.29	
				For >500 To 1,000, Deduct	-1.26	
				For >1,000 To 2,500, Deduct	-2.26	
				For >2,500 To 5,000, Deduct	-3.27	
				For >5,000 To 10,000, Deduct	-4.27	
				For >10,000, Deduct	-5.28	
02 41 13 13-0022	SY			>3" To 6" By Machine, Break-up And Remove Non Reinforced Concrete Paving.....	16.44	
				For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	4.93	
				Note: (Around Existing Structures And Obstructions), Add		
				For Elevated Slab, Add	8.22	
				For >500 To 1,000, Deduct	-1.64	
				For >1,000 To 2,500, Deduct	-2.96	
				For >2,500 To 5,000, Deduct	-4.27	
				For >5,000 To 10,000, Deduct	-5.59	
				For >10,000, Deduct	-6.90	
02 41 13 13-0023	SY			Up To 3" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	16.67	
				For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	5.00	
				Note: (Around Existing Structures And Obstructions), Add		
				For Elevated Slab, Add	8.34	
				For >500 To 1,000, Deduct	-1.67	
				For >1,000 To 2,500, Deduct	-3.00	
				For >2,500 To 5,000, Deduct	-4.33	
				For >5,000 To 10,000, Deduct	-5.67	
				For >10,000, Deduct	-7.00	
02 41 13 13-0024	SY			>3" To 6" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	21.61	
				For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	6.48	
				Note: (Around Existing Structures And Obstructions), Add		
				For Elevated Slab, Add	10.81	
				For >500 To 1,000, Deduct	-2.16	
				For >1,000 To 2,500, Deduct	-3.89	
				For >2,500 To 5,000, Deduct	-5.62	
				For >5,000 To 10,000, Deduct	-7.35	
				For >10,000, Deduct	-9.08	
02 41 13 13-0025	SY			>6" To 9" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	35.81	
				For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	10.74	
				Note: (Around Existing Structures And Obstructions), Add		
				For Elevated Slab, Add	17.91	
				For >500 To 1,000, Deduct	-3.58	
				For >1,000 To 2,500, Deduct	-6.45	
				For >2,500 To 5,000, Deduct	-9.31	
				For >5,000 To 10,000, Deduct	-12.18	
				For >10,000, Deduct	-15.04	
02 41 13 13-0026	SY			Up To 3" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	18.08	
				For Elevated Slab, Add	9.04	
				For >500 To 1,000, Deduct	-1.81	
				For >1,000 To 2,500, Deduct	-3.25	
				For >2,500 To 5,000, Deduct	-4.70	
				For >5,000 To 10,000, Deduct	-6.15	
				For >10,000, Deduct	-7.59	

02	Existing Conditions
02 40	Demolition And Structure Moving
02 41	Demolition



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0027 SY >3" To 6" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	23.25	
For Elevated Slab, Add	11.63	
For >500 To 1,000, Deduct	-2.33	
For >1,000 To 2,500, Deduct	-4.19	
For >2,500 To 5,000, Deduct	-6.05	
For >5,000 To 10,000, Deduct	-7.91	
For >10,000, Deduct	-9.77	
02 41 13 13-0028 SY >6" To 9" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	41.57	
For Elevated Slab, Add	20.79	
For >500 To 1,000, Deduct	-4.16	
For >1,000 To 2,500, Deduct	-7.48	
For >2,500 To 5,000, Deduct	-10.81	
For >5,000 To 10,000, Deduct	-14.13	
For >10,000, Deduct	-17.46	
02 41 13 13-0029 SY >9" To 14" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	54.24	
For Elevated Slab, Add	27.12	
For >500 To 1,000, Deduct	-5.42	
For >1,000 To 2,500, Deduct	-9.76	
For >2,500 To 5,000, Deduct	-14.10	
For >5,000 To 10,000, Deduct	-18.44	
For >10,000, Deduct	-22.78	
02 41 13 13-0030 SY >14" To 19" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	70.92	
For Elevated Slab, Add	35.46	
For >500 To 1,000, Deduct	-7.09	
For >1,000 To 2,500, Deduct	-12.77	
For >2,500 To 5,000, Deduct	-18.44	
For >5,000 To 10,000, Deduct	-24.11	
For >10,000, Deduct	-29.79	
02 41 13 13-0031 SY >19" To 24" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	86.06	
For Elevated Slab, Add	43.03	
For >500 To 1,000, Deduct	-8.61	
For >1,000 To 2,500, Deduct	-15.49	
For >2,500 To 5,000, Deduct	-22.38	
For >5,000 To 10,000, Deduct	-29.26	
For >10,000, Deduct	-36.15	
02 41 13 13-0032 By Hand, Break-up And Remove Bituminous And Concrete Paving (02 41 13 13)		
Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas up to 100 SF where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Excludes saw cutting. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 13 13-0033 SF Up To 3" By Hand, Break-up And Remove Bituminous Paving.....	3.13	
02 41 13 13-0034 SF >3" To 6" By Hand, Break-up And Remove Bituminous Paving.....	4.12	
02 41 13 13-0035 SF >6" To 8" By Hand, Break-up And Remove Bituminous Paving.....	5.35	
02 41 13 13-0036 SF Up To 3" By Hand, Break-up And Remove Concrete Paving.....	3.92	
02 41 13 13-0037 SF >3" To 6" By Hand, Break-up And Remove Concrete Paving.....	5.41	
02 41 13 13-0038 SF >6" To 8" By Hand, Break-up And Remove Concrete Paving.....	6.92	
02 41 13 13-0039 Grind Concrete (02 41 13 13)		
02 41 13 13-0040 EA Grind Existing Sidewalks Up To 1/2" Depth To Remove Ridges (Tripping Hazard).....	188.62	
Note: For each location up to 5' wide, feather up to 12" each direction.		
For >1/2" To 1" Depth Of Grinding, Add	28.29	
For >1" To 1-1/2" Depth Of Grinding, Add	47.16	
For Up To 5, Add	37.72	
For >5 To 10, Add	18.86	
For >25 To 50, Deduct	-18.86	
For >50 To 250, Deduct	-28.29	
For >250, Deduct	-37.72	
For Sidewalks >5', Add	18.86	
For Up To 12" Additional Feathering Per Side, Add	18.86	
02 41 16 Structure Demolition (02 41)		
02 41 16 13 Building Demolition (02 41 16)		
02 41 16 13-0001 Building Interior Demolition (02 41 16 13)		
Note: Gutted and placed in truck or dumpsters. Based on overall floor area including space under demolished walls. Includes all soft stripping of materials (doors and frames, non-load bearing walls, carpet, moldings, drywall, tile, ceiling, ductwork, piping, light fixtures, etc.), accessible mechanical, electrical, plumbing, overhead sprinkler, fire protection and similar systems. Excludes lead, asbestos or other contaminants or load bearing walls, mechanical, plumbing or electrical equipment such as furnaces, water heaters, plumbing fixtures, sump pumps, switchgear or panelboards. Excludes hauling, dump fees, recycling charges, and/or salvage value.		
02 41 16 13-0002 GSF Residential Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck.....	6.20	
02 41 16 13-0003 GSF Up To 2,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck.....	9.39	
02 41 16 13-0004 GSF >2,000 To 10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck.....	7.68	
02 41 16 13-0005 GSF >10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck.....	6.82	



	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0006	Commercial And Residential Structures Demolition <small>(02 41 16 13)</small> Note: Complete demolition of structures. Includes site and building safety preparation, signage, dust control, scattered debris and other site clean-up, demolition equipment, and repair of any damaged adjacent property. Excludes (if required) utility disconnects and capping, underground or above ground storage tank removal, adjacent property protection, adjacent property cleanup, adjacent property work, site paving (asphalt or concrete), recycling fees, gutting/soft stripping (selective removal of materials for reuse) of building, site security, hazardous material abatement (including lead, asbestos, and PCBs), surveys, clearing and grubbing of site, cranes, traffic control, elevator removal, major mechanical equipment such as boilers, chillers, cooling towers, Etc., excavation or backfill, foundations, basement floor, slab-on grade, temporary fencing (installation and removal), hauling, disposal and dump fees for all debris (site and building), earthwork and erosion control. Pricing is by Hundred Cubic Foot (CCF) of complete building volume being demolished. For computing building volume, height is computed at actual floor-to-floor dimensions with attic and basement each computed at half-height, width and length are actual dimensions. Excludes salvage value.		
02 41 16 13-0007	Steel Framed Building Demolition <small>(02 41 16 13-0006)</small> Note: Includes masonry partitions and concrete decks.		
02 41 16 13-0008	CCF By Pneumatic Tools/Hand, Steel Framed Building Demolition 57.12 <i>For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct</i> -4.28 <i>For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct</i> -8.57 <i>For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct</i> -12.85 <i>For Up To 500, Add</i> 17.14 <i>For >500 To 1,000, Add</i> 11.42 <i>For >1,000 To 2,000, Add</i> 5.71 <i>For Volume Of Area Within 15' To An Adjacent Building, Add</i> 18.85 <i>For No Interior Partitions, Deduct</i> -14.28		
02 41 16 13-0009	CCF By Machine, Steel Framed Building Demolition 35.44 <i>For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct</i> -2.66 <i>For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct</i> -5.32 <i>For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct</i> -7.97 <i>For Up To 500, Add</i> 10.63 <i>For >500 To 1,000, Add</i> 7.09 <i>For >1,000 To 2,000, Add</i> 3.54 <i>For Work >3 Stories To 6 Stories (Exclude Volume Below), Add</i> 5.32 <i>For Work >6 Stories To 10 Stories (Exclude Volume Below), Add</i> 8.86 <i>For Work >10 Stories To 15 Stories (Exclude Volume Below), Add</i> 12.40 <i>For Volume Of Area Within 15' To An Adjacent Building, Add</i> 11.70 <i>For No Interior Partitions, Deduct</i> -8.86		
02 41 16 13-0010	Reinforced Concrete Building Demolition <small>(02 41 16 13-0006)</small>		
02 41 16 13-0011	CCF By Pneumatic Tools/Hand, Reinforced Concrete Building Demolition 71.67 <i>For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct</i> -5.38 <i>For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct</i> -10.75 <i>For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct</i> -16.13 <i>For Up To 500, Add</i> 21.50 <i>For >500 To 1,000, Add</i> 14.33 <i>For >1,000 To 2,000, Add</i> 7.17 <i>For Volume Of Area Within 15' To An Adjacent Building, Add</i> 23.65 <i>For No Interior Partitions, Deduct</i> -17.92		
02 41 16 13-0012	CCF By Machine, Reinforced Concrete Building Demolition 46.79 <i>For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct</i> -3.51 <i>For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct</i> -7.02 <i>For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct</i> -10.53 <i>For Up To 500, Add</i> 14.04 <i>For >500 To 1,000, Add</i> 9.36 <i>For >1,000 To 2,000, Add</i> 4.68 <i>For Work >3 Stories To 6 Stories (Exclude Volume Below), Add</i> 7.02 <i>For Work >6 Stories To 10 Stories (Exclude Volume Below), Add</i> 11.70 <i>For Work >10 Stories To 15 Stories (Exclude Volume Below), Add</i> 16.38 <i>For Volume Of Area Within 15' To An Adjacent Building, Add</i> 15.44 <i>For No Interior Partitions, Deduct</i> -11.70		
02 41 16 13-0013	Masonry Construction Building Demolition <small>(02 41 16 13-0006)</small>		
02 41 16 13-0014	CCF By Pneumatic Tools/Hand, Masonry Construction Building Demolition 50.37 <i>For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct</i> -3.78 <i>For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct</i> -7.56 <i>For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct</i> -11.33 <i>For Up To 500, Add</i> 15.11 <i>For >500 To 1,000, Add</i> 10.07 <i>For >1,000 To 2,000, Add</i> 5.04 <i>For Volume Of Area Within 15' To An Adjacent Building, Add</i> 16.62 <i>For No Interior Partitions, Deduct</i> -12.59		
02 41 16 13-0015	CCF By Machine, Masonry Construction Building Demolition 31.80 <i>For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct</i> -2.39 <i>For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct</i> -4.77 <i>For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct</i> -7.16 <i>For Up To 500, Add</i> 9.54 <i>For >500 To 1,000, Add</i> 6.36 <i>For >1,000 To 2,000, Add</i> 3.18 <i>For Work >3 Stories To 6 Stories (Exclude Volume Below), Add</i> 4.77 <i>For Work >6 Stories To 10 Stories (Exclude Volume Below), Add</i> 7.95 <i>For Work >10 Stories To 15 Stories (Exclude Volume Below), Add</i> 11.13 <i>For Volume Of Area Within 15' To An Adjacent Building, Add</i> 10.49 <i>For No Interior Partitions, Deduct</i> -7.95		



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 41 16 13-0016	Wood Frame Construction Building Demolition (02 41 16 13-0006)	
02 41 16 13-0017	CCF By Pneumatic Tools/Hand, Wood Frame Construction Building Demolition	43.77
	<i>For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct</i>	-3.28
	<i>For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct</i>	-6.57
	<i>For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct</i>	-9.85
	<i>For Up To 500, Add</i>	13.13
	<i>For >500 To 1,000, Add</i>	8.75
	<i>For >1,000 To 2,000, Add</i>	4.38
	<i>For Volume Of Area Within 15' To An Adjacent Building, Add</i>	14.44
	<i>For No Interior Partitions, Deduct</i>	-10.94
02 41 16 13-0018	CCF By Machine, Wood Frame Construction Building Demolition	27.22
	<i>For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct</i>	-2.04
	<i>For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct</i>	-4.08
	<i>For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct</i>	-6.12
	<i>For Up To 500, Add</i>	8.17
	<i>For >500 To 1,000, Add</i>	5.44
	<i>For >1,000 To 2,000, Add</i>	2.72
	<i>For Work >3 Stories To 6 Stories (Exclude Volume Below), Add</i>	4.08
	<i>For Volume Of Area Within 15' To An Adjacent Building, Add</i>	8.98
	<i>For No Interior Partitions, Deduct</i>	-6.81
02 41 16 13-0019	Sorting Of Material Debris For Recycling Prior To Hauling Off (02 41 16 13-0006)	
	Note: Per building volume.	
02 41 16 13-0020	CCF Sorting Of Material Debris For Recycling Prior To Hauling Off	7.70
	<i>For Up To 500, Add</i>	2.31
	<i>For >500 To 1,000, Add</i>	1.54
	<i>For >1,000 To 2,000, Add</i>	0.77
02 41 16 13-0021	Foundation Demolition (02 41 16 13)	
	Note: Excludes earthwork. See CSI section 31 00 00 00-0000 for earthwork.	
02 41 16 13-0022	Concrete Foundation Demolition (02 41 16 13-0021)	
02 41 16 13-0023	CF Non Reinforced Concrete Foundation Demolition	11.82
02 41 16 13-0024	SF 4" Thick Non Reinforced Concrete Foundation Wall Demolition	5.06
02 41 16 13-0025	SF 6" Thick Non Reinforced Concrete Foundation Wall Demolition	6.75
02 41 16 13-0026	SF 8" Thick Non Reinforced Concrete Foundation Wall Demolition	8.45
02 41 16 13-0027	SF 10" Thick Non Reinforced Concrete Foundation Wall Demolition	10.14
02 41 16 13-0028	SF 12" Thick Non Reinforced Concrete Foundation Wall Demolition	11.82
02 41 16 13-0029	SF 16" Thick Non Reinforced Concrete Foundation Wall Demolition	13.51
02 41 16 13-0030	CF Reinforced Concrete Foundation Demolition	14.19
02 41 16 13-0031	SF 4" Thick Reinforced Concrete Foundation Wall Demolition	6.08
02 41 16 13-0032	SF 6" Thick Reinforced Concrete Foundation Wall Demolition	8.11
02 41 16 13-0033	SF 8" Thick Reinforced Concrete Foundation Wall Demolition	10.14
02 41 16 13-0034	SF 10" Thick Reinforced Concrete Foundation Wall Demolition	11.99
02 41 16 13-0035	SF 12" Thick Reinforced Concrete Foundation Wall Demolition	14.19
02 41 16 13-0036	SF 16" Thick Reinforced Concrete Foundation Wall Demolition	16.21
02 41 16 13-0037	Concrete Block Foundation Wall Demolition (02 41 16 13-0021)	
02 41 16 13-0038	SF 4" Thick Non Reinforced Concrete Block Foundation Wall Demolition	3.72
02 41 16 13-0039	SF 6" Thick Non Reinforced Concrete Block Foundation Wall Demolition	3.97
02 41 16 13-0040	SF 8" Thick Non Reinforced Concrete Block Foundation Wall Demolition	4.48
02 41 16 13-0041	SF 10" Thick Non Reinforced Concrete Block Foundation Wall Demolition	5.15
02 41 16 13-0042	SF 12" Thick Non Reinforced Concrete Block Foundation Wall Demolition	5.75
02 41 16 13-0043	SF 16" Thick Non Reinforced Concrete Block Foundation Wall Demolition	7.18
02 41 16 13-0044	SF 4" Thick Reinforced Concrete Block Foundation Wall Demolition	4.46
02 41 16 13-0045	SF 6" Thick Reinforced Concrete Block Foundation Wall Demolition	4.76
02 41 16 13-0046	SF 8" Thick Reinforced Concrete Block Foundation Wall Demolition	5.37
02 41 16 13-0047	SF 10" Thick Reinforced Concrete Block Foundation Wall Demolition	6.18
02 41 16 13-0048	SF 12" Thick Reinforced Concrete Block Foundation Wall Demolition	6.89
02 41 16 13-0049	SF 16" Thick Reinforced Concrete Block Foundation Wall Demolition	8.61
02 41 16 13-0050	Brick Foundation Wall Demolition (02 41 16 13-0021)	
02 41 16 13-0051	SF 4" Thick Brick Foundation Wall Demolition	3.72
02 41 16 13-0052	SF 6" Thick Brick Foundation Wall Demolition	3.97
02 41 16 13-0053	SF 8" Thick Brick Foundation Wall Demolition	4.48
02 41 16 13-0054	SF 10" Thick Brick Foundation Wall Demolition	5.15
02 41 16 13-0055	SF 12" Thick Brick Foundation Wall Demolition	5.75
02 41 16 13-0056	SF 16" Thick Brick Foundation Wall Demolition	7.18
02 41 16 13-0057	Stone Foundation Demolition (02 41 16 13-0021)	
02 41 16 13-0058	CF Stone Footing Or Foundation Wall Demolition	11.82
02 41 16 13-0059	Other Foundation Demolition (02 41 16 13-0021)	
02 41 16 13-0060	CF Concrete Footing For Fence, Gate Or Playground Equipment Post, Etc. Demolition	12.29
	Note: Includes excavation.	



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 41 19 Selective Demolition (02 41)

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

02 41 19 13-0001

Saw Cutting (02 41 19 13)

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

02 41 19 13-0002	LF Saw Cut Bituminous Paving Up To 4" Depth.....	1.76	
	For Each Additional Pass (Depth To 3"), Add	0.68	
	For >250, Deduct	-0.17	
02 41 19 13-0003	LF Saw Cut Brick Masonry Up To 4" Depth.....	6.68	
	For Each Additional Pass (Depth To 3"), Add	2.65	
	For >250, Deduct	-0.66	
02 41 19 13-0004	LF Saw Cut Concrete Block Up To 4" Depth.....	6.04	
	For Each Additional Pass (Depth To 3"), Add	2.39	
	For >250, Deduct	-0.60	
02 41 19 13-0005	LF Saw Cut Non Reinforced Concrete Slab Or Paving Up To 4" Depth.....	2.02	
	For Each Additional Pass (Depth To 3"), Add	0.78	
	For >250, Deduct	-0.19	
02 41 19 13-0006	LF Saw Cut Welded Wire Reinforced Concrete Slab Up To 4" Depth.....	2.67	
	For Each Additional Pass (Depth To 3"), Add	1.04	
	For >250, Deduct	-0.26	
02 41 19 13-0007	LF Saw Cut Rod Reinforced Concrete Slab Up To 4" Depth.....	4.44	
	For Each Additional Pass (Depth To 3"), Add	1.74	
	For >250, Deduct	-0.43	
02 41 19 13-0008	LF Saw Cut Plain Concrete Walls Up To 4" Depth.....	8.56	
	For Each Additional Pass (Depth To 3"), Add	3.40	
	For >250, Deduct	-0.85	
02 41 19 13-0009	LF Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth.....	11.50	
	For Each Additional Pass (Depth To 3"), Add	4.56	
	For >250, Deduct	-1.14	
02 41 19 13-0010	LF Saw Cut In Streets, Concrete And Asphalt Up To 4" Depth.....	2.17	
	For Each Additional Pass (Depth To 3"), Add	0.80	
	For >250, Deduct	-0.19	
02 41 19 13-0011	LF Saw Cut Igneous Stone Pavements Up To 4" Depth.....	6.06	
	For Each Additional Pass (Depth To 3"), Add	2.40	
	For >250, Deduct	-0.60	
02 41 19 13-0012	LF Saw Cut Sedimentary Stone Pavements Up To 4" Depth.....	6.06	
	For Each Additional Pass (Depth To 3"), Add	2.40	
	For >250, Deduct	-0.60	
02 41 19 13-0013	LF Saw Cut Metamorphic Stone Pavements Up To 4" Depth.....	6.06	
	For Each Additional Pass (Depth To 3"), Add	2.40	
	For >250, Deduct	-0.60	
02 41 19 13-0014	LF Saw Cut Terrazzo Stone Pavements Up To 4" Depth.....	6.06	
	For Each Additional Pass (Depth To 3"), Add	2.40	
	For >250, Deduct	-0.60	
02 41 19 13-0015	EA Saw Cut Minimum Charge.....	769.67	

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

02 41 19 13-0016

Torch Cutting (02 41 19 13)

Note: Includes grinding edge

02 41 19 13-0017	LF Up To 1/2", Torch Cut Steel Plate.....	2.42	
02 41 19 13-0018	LF >1/2" To 1" Thick, Torch Cut Steel Plate.....	4.86	
02 41 19 13-0019	LF >1" To 1-1/2" Thick, Torch Cut Steel Plate.....	7.28	
02 41 19 13-0020	LF >1-1/2" To 2" Thick, Torch Cut Steel Plate.....	9.72	
02 41 19 13-0021	LF >2" To 2-1/2" Thick, Torch Cut Steel Plate.....	12.14	
02 41 19 13-0022	LF >2-1/2" To 3" Thick, Torch Cut Steel Plate.....	14.58	
02 41 19 13-0023	EA Torch Cutting Minimum Charge.....	732.92	

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

02 41 19 13-0024

Drilling In Existing Materials (02 41 19 13)

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

02 41 19 13-0025

Concrete Core Drilling (02 41 19 13-0024)

02 41 19 13-0026

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

02 41 19 13-0027	EA Drill 1" Diameter Core In Up To 4" Concrete.....	33.94	
	For Horizontal Cores, Add	6.48	
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	12.97	
02 41 19 13-0028	EA Drill 1-1/2" Diameter Core In Up To 4" Concrete.....	37.54	
	For Horizontal Cores, Add	7.20	
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	14.41	
02 41 19 13-0029	EA Drill 2" Diameter Core In Up To 4" Concrete.....	41.55	
	For Horizontal Cores, Add	8.01	
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	16.01	
02 41 19 13-0030	EA Drill 3" Diameter Core In Up To 4" Concrete.....	59.24	
	For Horizontal Cores, Add	11.44	
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	22.88	

02 Existing Conditions**02 40 Demolition And Structure Moving****02 41 Demolition**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0031 EA Drill 4" Diameter Core In Up To 4" Concrete.....	79.39	
For Horizontal Cores, Add	15.33	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	30.65	
02 41 19 13-0032 EA Drill 6" Diameter Core In Up To 4" Concrete.....	89.25	
For Horizontal Cores, Add	17.16	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	34.31	
02 41 19 13-0033 EA Drill 8" Diameter Core In Up To 4" Concrete.....	142.02	
For Horizontal Cores, Add	27.45	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	54.90	
02 41 19 13-0034 EA Drill 10" Diameter Core In Up To 4" Concrete.....	178.06	
For Horizontal Cores, Add	34.31	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	68.62	
02 41 19 13-0035 EA Drill 12" Diameter Core In Up To 4" Concrete.....	207.95	
For Horizontal Cores, Add	40.03	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	80.06	
02 41 19 13-0036 EA Drill 14" Diameter Core In Up To 4" Concrete.....	238.00	
For Horizontal Cores, Add	45.75	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	91.49	
02 41 19 13-0037 EA Drill 18" Diameter Core In Up To 4" Concrete.....	269.21	
For Horizontal Cores, Add	51.46	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	102.92	
02 41 19 13-0038 >4" To 6" Thick Concrete Core Drilling (02 41 19 13-0025)		
02 41 19 13-0039 EA Drill 1" Diameter Core In >4" To 6" Concrete.....	48.65	
For Horizontal Cores, Add	9.26	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	18.52	
02 41 19 13-0040 EA Drill 1-1/2" Diameter Core In >4" To 6" Concrete.....	53.79	
For Horizontal Cores, Add	10.29	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	20.58	
02 41 19 13-0041 EA Drill 2" Diameter Core In >4" To 6" Concrete.....	59.52	
For Horizontal Cores, Add	11.44	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	22.87	
02 41 19 13-0042 EA Drill 3" Diameter Core In >4" To 6" Concrete.....	71.82	
For Horizontal Cores, Add	13.72	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	27.45	
02 41 19 13-0043 EA Drill 4" Diameter Core In >4" To 6" Concrete.....	90.02	
For Horizontal Cores, Add	17.16	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	34.31	
02 41 19 13-0044 EA Drill 6" Diameter Core In >4" To 6" Concrete.....	119.65	
For Horizontal Cores, Add	22.87	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	45.75	
02 41 19 13-0045 EA Drill 8" Diameter Core In >4" To 6" Concrete.....	178.77	
For Horizontal Cores, Add	34.31	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	68.62	
02 41 19 13-0046 EA Drill 10" Diameter Core In >4" To 6" Concrete.....	209.88	
For Horizontal Cores, Add	40.03	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	80.06	
02 41 19 13-0047 EA Drill 12" Diameter Core In >4" To 6" Concrete.....	240.38	
For Horizontal Cores, Add	45.75	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	91.49	
02 41 19 13-0048 EA Drill 14" Diameter Core In >4" To 6" Concrete.....	271.47	
For Horizontal Cores, Add	51.46	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	102.92	
02 41 19 13-0049 EA Drill 18" Diameter Core In >4" To 6" Concrete.....	304.26	
For Horizontal Cores, Add	57.18	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	114.37	
02 41 19 13-0050 >6" To 8" Thick Concrete Core Drilling (02 41 19 13-0025)		
02 41 19 13-0051 EA Drill 1" Diameter Core In >6" To 8" Concrete.....	54.13	
For Horizontal Cores, Add	10.19	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	20.38	
02 41 19 13-0052 EA Drill 1-1/2" Diameter Core In >6" To 8" Concrete.....	59.78	
For Horizontal Cores, Add	11.32	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	22.64	
02 41 19 13-0053 EA Drill 2" Diameter Core In >6" To 8" Concrete.....	66.08	
For Horizontal Cores, Add	12.58	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	25.16	
02 41 19 13-0054 EA Drill 3" Diameter Core In >6" To 8" Concrete.....	78.70	
For Horizontal Cores, Add	14.87	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	29.74	
02 41 19 13-0055 EA Drill 4" Diameter Core In >6" To 8" Concrete.....	102.93	
For Horizontal Cores, Add	19.44	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	38.88	
02 41 19 13-0056 EA Drill 6" Diameter Core In >6" To 8" Concrete.....	144.34	
For Horizontal Cores, Add	27.45	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	54.90	
02 41 19 13-0057 EA Drill 8" Diameter Core In >6" To 8" Concrete.....	238.38	
For Horizontal Cores, Add	45.75	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	91.49	
02 41 19 13-0058 EA Drill 10" Diameter Core In >6" To 8" Concrete.....	270.24	
For Horizontal Cores, Add	51.46	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	102.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0059 EA Drill 12" Diameter Core In >6" To 8" Concrete.....	301.43	
<i>For Horizontal Cores, Add</i>	57.18	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	114.37	
02 41 19 13-0060 EA Drill 14" Diameter Core In >6" To 8" Concrete.....	333.51	
<i>For Horizontal Cores, Add</i>	62.89	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	125.78	
02 41 19 13-0061 EA Drill 18" Diameter Core In >6" To 8" Concrete.....	367.89	
<i>For Horizontal Cores, Add</i>	68.62	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	137.25	
02 41 19 13-0062 >8" To 10" Thick Concrete Core Drilling (02 41 19 13-0025)		
02 41 19 13-0063 EA Drill 1" Diameter Core In >8" To 10" Concrete.....	64.23	
<i>For Horizontal Cores, Add</i>	12.04	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	24.09	
02 41 19 13-0064 EA Drill 1-1/2" Diameter Core In >8" To 10" Concrete.....	70.92	
<i>For Horizontal Cores, Add</i>	13.38	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	26.76	
02 41 19 13-0065 EA Drill 2" Diameter Core In >8" To 10" Concrete.....	78.35	
<i>For Horizontal Cores, Add</i>	14.87	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	29.74	
02 41 19 13-0066 EA Drill 3" Diameter Core In >8" To 10" Concrete.....	91.30	
<i>For Horizontal Cores, Add</i>	17.16	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	34.31	
02 41 19 13-0067 EA Drill 4" Diameter Core In >8" To 10" Concrete.....	104.41	
<i>For Horizontal Cores, Add</i>	19.44	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	38.88	
02 41 19 13-0068 EA Drill 6" Diameter Core In >8" To 10" Concrete.....	146.14	
<i>For Horizontal Cores, Add</i>	27.45	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	54.90	
02 41 19 13-0069 EA Drill 8" Diameter Core In >8" To 10" Concrete.....	240.83	
<i>For Horizontal Cores, Add</i>	45.75	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	91.49	
02 41 19 13-0070 EA Drill 10" Diameter Core In >8" To 10" Concrete.....	273.46	
<i>For Horizontal Cores, Add</i>	51.46	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	102.92	
02 41 19 13-0071 EA Drill 12" Diameter Core In >8" To 10" Concrete.....	305.24	
<i>For Horizontal Cores, Add</i>	57.17	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	114.35	
02 41 19 13-0072 EA Drill 14" Diameter Core In >8" To 10" Concrete.....	338.40	
<i>For Horizontal Cores, Add</i>	62.89	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	125.78	
02 41 19 13-0073 EA Drill 18" Diameter Core In >8" To 10" Concrete.....	374.25	
<i>For Horizontal Cores, Add</i>	68.61	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	137.22	
02 41 19 13-0074 >10" To 12" Thick Concrete Core Drilling (02 41 19 13-0025)		
02 41 19 13-0075 EA Drill 1" Diameter Core In >10" To 12" Concrete.....	69.70	
<i>For Horizontal Cores, Add</i>	12.97	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	25.94	
02 41 19 13-0076 EA Drill 1-1/2" Diameter Core In >10" To 12" Concrete.....	76.91	
<i>For Horizontal Cores, Add</i>	14.41	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	28.82	
02 41 19 13-0077 EA Drill 2" Diameter Core In >10" To 12" Concrete.....	84.92	
<i>For Horizontal Cores, Add</i>	16.01	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	32.03	
02 41 19 13-0078 EA Drill 3" Diameter Core In >10" To 12" Concrete.....	92.46	
<i>For Horizontal Cores, Add</i>	17.16	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	34.31	
02 41 19 13-0079 EA Drill 4" Diameter Core In >10" To 12" Concrete.....	123.05	
<i>For Horizontal Cores, Add</i>	22.87	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	45.75	
02 41 19 13-0080 EA Drill 6" Diameter Core In >10" To 12" Concrete.....	159.38	
<i>For Horizontal Cores, Add</i>	29.74	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	59.48	
02 41 19 13-0081 EA Drill 8" Diameter Core In >10" To 12" Concrete.....	254.72	
<i>For Horizontal Cores, Add</i>	48.04	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	96.07	
02 41 19 13-0082 EA Drill 10" Diameter Core In >10" To 12" Concrete.....	276.68	
<i>For Horizontal Cores, Add</i>	51.46	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	102.92	
02 41 19 13-0083 EA Drill 12" Diameter Core In >10" To 12" Concrete.....	320.62	
<i>For Horizontal Cores, Add</i>	59.48	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	118.96	
02 41 19 13-0084 >12" Thick Concrete Core Drilling (02 41 19 13-0025)		
02 41 19 13-0085 IN Drill 1" Diameter Core In >12" Concrete.....	8.33	
<i>For Horizontal Cores, Add</i>	1.59	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	3.17	
02 41 19 13-0086 IN Drill 1-1/2" Diameter Core In >12" Concrete.....	9.21	
<i>For Horizontal Cores, Add</i>	1.76	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	3.52	

02	Existing Conditions
02 40	Demolition And Structure Moving
02 41	Demolition



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0087 IN Drill 2" Diameter Core In >12" Concrete	10.19	
For Horizontal Cores, Add	1.96	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	3.92	
02 41 19 13-0088 IN Drill 3" Diameter Core In >12" Concrete	11.28	
For Horizontal Cores, Add	2.14	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	4.29	
02 41 19 13-0089 IN Drill 4" Diameter Core In >12" Concrete	15.01	
For Horizontal Cores, Add	2.86	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	5.72	
02 41 19 13-0090 IN Drill 6" Diameter Core In >12" Concrete	19.48	
For Horizontal Cores, Add	3.72	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	7.44	
02 41 19 13-0091 IN Drill 8" Diameter Core In >12" Concrete	31.26	
For Horizontal Cores, Add	6.01	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	12.02	
02 41 19 13-0092 IN Drill 10" Diameter Core In >12" Concrete	33.91	
For Horizontal Cores, Add	6.46	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	12.92	
02 41 19 13-0093 IN Drill 12" Diameter Core In >12" Concrete	39.14	
For Horizontal Cores, Add	7.44	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	14.88	
02 41 19 13-0094 Brick/Concrete Block Core Drilling (02 41 19 13-0024)		
02 41 19 13-0095 Up To 4" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)		
02 41 19 13-0096 EA Drill 1" Diameter Core In Up To 4" Brick/Concrete Block	27.46	
For Horizontal Cores, Add	5.19	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	10.38	
02 41 19 13-0097 EA Drill 1-1/2" Diameter Core In Up To 4" Brick/Concrete Block	30.34	
For Horizontal Cores, Add	5.76	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	11.53	
02 41 19 13-0098 EA Drill 2" Diameter Core In Up To 4" Brick/Concrete Block	33.55	
For Horizontal Cores, Add	6.41	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	12.81	
02 41 19 13-0099 EA Drill 3" Diameter Core In Up To 4" Brick/Concrete Block	47.80	
For Horizontal Cores, Add	9.15	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	18.30	
02 41 19 13-0100 EA Drill 4" Diameter Core In Up To 4" Brick/Concrete Block	64.06	
For Horizontal Cores, Add	12.26	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	24.52	
02 41 19 13-0101 EA Drill 6" Diameter Core In Up To 4" Brick/Concrete Block	72.09	
For Horizontal Cores, Add	13.72	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	27.45	
02 41 19 13-0102 EA Drill 8" Diameter Core In Up To 4" Brick/Concrete Block	114.56	
For Horizontal Cores, Add	21.96	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	43.92	
02 41 19 13-0103 EA Drill 10" Diameter Core In Up To 4" Brick/Concrete Block	143.75	
For Horizontal Cores, Add	27.45	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	54.90	
02 41 19 13-0104 EA Drill 12" Diameter Core In Up To 4" Brick/Concrete Block	167.92	
For Horizontal Cores, Add	32.03	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	64.05	
02 41 19 13-0105 EA Drill 14" Diameter Core In Up To 4" Brick/Concrete Block	192.25	
For Horizontal Cores, Add	36.60	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	73.19	
02 41 19 13-0106 EA Drill 18" Diameter Core In Up To 4" Brick/Concrete Block	217.74	
For Horizontal Cores, Add	41.17	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	82.34	
02 41 19 13-0107 >4" To 6" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)		
02 41 19 13-0108 EA Drill 1" Diameter Core In >4" To 6" Brick/Concrete Block	39.39	
For Horizontal Cores, Add	7.41	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	14.82	
02 41 19 13-0109 EA Drill 1-1/2" Diameter Core In >4" To 6" Brick/Concrete Block	43.51	
For Horizontal Cores, Add	8.23	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	16.47	
02 41 19 13-0110 EA Drill 2" Diameter Core In >4" To 6" Brick/Concrete Block	48.08	
For Horizontal Cores, Add	9.15	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	18.30	
02 41 19 13-0111 EA Drill 3" Diameter Core In >4" To 6" Brick/Concrete Block	58.10	
For Horizontal Cores, Add	10.98	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	21.96	
02 41 19 13-0112 EA Drill 4" Diameter Core In >4" To 6" Brick/Concrete Block	72.86	
For Horizontal Cores, Add	13.72	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	27.45	
02 41 19 13-0113 EA Drill 6" Diameter Core In >4" To 6" Brick/Concrete Block	96.78	
For Horizontal Cores, Add	18.30	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	36.60	
02 41 19 13-0114 EA Drill 8" Diameter Core In >4" To 6" Brick/Concrete Block	144.46	
For Horizontal Cores, Add	27.45	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	54.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0115 EA Drill 10" Diameter Core In >4" To 6" Brick/Concrete Block	169.85	
<i>For Horizontal Cores, Add</i>	32.03	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	64.05	
02 41 19 13-0116 EA Drill 12" Diameter Core In >4" To 6" Brick/Concrete Block	194.63	
<i>For Horizontal Cores, Add</i>	36.60	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	73.19	
02 41 19 13-0117 EA Drill 14" Diameter Core In >4" To 6" Brick/Concrete Block	220.00	
<i>For Horizontal Cores, Add</i>	41.17	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	82.34	
02 41 19 13-0118 EA Drill 18" Diameter Core In >4" To 6" Brick/Concrete Block	247.08	
<i>For Horizontal Cores, Add</i>	45.75	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	91.50	
02 41 19 13-0119 >6" To 8" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)		
02 41 19 13-0120 EA Drill 1" Diameter Core In >6" To 8" Brick/Concrete Block	43.94	
<i>For Horizontal Cores, Add</i>	8.15	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	16.31	
02 41 19 13-0121 EA Drill 1-1/2" Diameter Core In >6" To 8" Brick/Concrete Block	48.46	
<i>For Horizontal Cores, Add</i>	9.06	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	18.12	
02 41 19 13-0122 EA Drill 2" Diameter Core In >6" To 8" Brick/Concrete Block	53.50	
<i>For Horizontal Cores, Add</i>	10.07	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	20.13	
02 41 19 13-0123 EA Drill 3" Diameter Core In >6" To 8" Brick/Concrete Block	63.83	
<i>For Horizontal Cores, Add</i>	11.89	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	23.79	
02 41 19 13-0124 EA Drill 4" Diameter Core In >6" To 8" Brick/Concrete Block	83.49	
<i>For Horizontal Cores, Add</i>	15.55	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	31.11	
02 41 19 13-0125 EA Drill 6" Diameter Core In >6" To 8" Brick/Concrete Block	116.88	
<i>For Horizontal Cores, Add</i>	21.96	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	43.92	
02 41 19 13-0126 EA Drill 8" Diameter Core In >6" To 8" Brick/Concrete Block	192.63	
<i>For Horizontal Cores, Add</i>	36.60	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	73.19	
02 41 19 13-0127 EA Drill 10" Diameter Core In >6" To 8" Brick/Concrete Block	218.77	
<i>For Horizontal Cores, Add</i>	41.17	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	82.34	
02 41 19 13-0128 EA Drill 12" Diameter Core In >6" To 8" Brick/Concrete Block	244.25	
<i>For Horizontal Cores, Add</i>	45.75	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	91.50	
02 41 19 13-0129 EA Drill 14" Diameter Core In >6" To 8" Brick/Concrete Block	270.62	
<i>For Horizontal Cores, Add</i>	50.31	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	100.63	
02 41 19 13-0130 EA Drill 18" Diameter Core In >6" To 8" Brick/Concrete Block	299.27	
<i>For Horizontal Cores, Add</i>	54.90	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	109.80	
02 41 19 13-0131 >8" To 10" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)		
02 41 19 13-0132 EA Drill 1" Diameter Core In >8" To 10" Brick/Concrete Block	52.18	
<i>For Horizontal Cores, Add</i>	9.63	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	19.27	
02 41 19 13-0133 EA Drill 1-1/2" Diameter Core In >8" To 10" Brick/Concrete Block	57.54	
<i>For Horizontal Cores, Add</i>	10.71	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	21.41	
02 41 19 13-0134 EA Drill 2" Diameter Core In >8" To 10" Brick/Concrete Block	63.48	
<i>For Horizontal Cores, Add</i>	11.89	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	23.79	
02 41 19 13-0135 EA Drill 3" Diameter Core In >8" To 10" Brick/Concrete Block	74.14	
<i>For Horizontal Cores, Add</i>	13.72	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	27.45	
02 41 19 13-0136 EA Drill 4" Diameter Core In >8" To 10" Brick/Concrete Block	84.97	
<i>For Horizontal Cores, Add</i>	15.55	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	31.11	
02 41 19 13-0137 EA Drill 6" Diameter Core In >8" To 10" Brick/Concrete Block	118.68	
<i>For Horizontal Cores, Add</i>	21.96	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	43.92	
02 41 19 13-0138 EA Drill 8" Diameter Core In >8" To 10" Brick/Concrete Block	195.08	
<i>For Horizontal Cores, Add</i>	36.60	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	73.19	
02 41 19 13-0139 EA Drill 10" Diameter Core In >8" To 10" Brick/Concrete Block	221.99	
<i>For Horizontal Cores, Add</i>	41.17	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	82.34	
02 41 19 13-0140 EA Drill 12" Diameter Core In >8" To 10" Brick/Concrete Block	248.06	
<i>For Horizontal Cores, Add</i>	45.74	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	91.48	
02 41 19 13-0141 EA Drill 14" Diameter Core In >8" To 10" Brick/Concrete Block	275.51	
<i>For Horizontal Cores, Add</i>	50.31	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	100.63	
02 41 19 13-0142 EA Drill 18" Diameter Core In >8" To 10" Brick/Concrete Block	305.64	
<i>For Horizontal Cores, Add</i>	54.89	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	109.77	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 41 19 13-0143	>10" To 12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)	
02 41 19 13-0144	EA Drill 1" Diameter Core In >10" To 12" Brick/Concrete Block	56.74
	<i>For Horizontal Cores, Add</i>	10.38
	<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	20.76
02 41 19 13-0145	EA Drill 1-1/2" Diameter Core In >10" To 12" Brick/Concrete Block	62.50
	<i>For Horizontal Cores, Add</i>	11.53
	<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	23.06
02 41 19 13-0146	EA Drill 2" Diameter Core In >10" To 12" Brick/Concrete Block	68.90
	<i>For Horizontal Cores, Add</i>	12.81
	<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	25.62
02 41 19 13-0147	EA Drill 3" Diameter Core In >10" To 12" Brick/Concrete Block	75.30
	<i>For Horizontal Cores, Add</i>	13.72
	<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	27.45
02 41 19 13-0148	EA Drill 4" Diameter Core In >10" To 12" Brick/Concrete Block	100.18
	<i>For Horizontal Cores, Add</i>	18.30
	<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	36.60
02 41 19 13-0149	EA Drill 6" Diameter Core In >10" To 12" Brick/Concrete Block	129.63
	<i>For Horizontal Cores, Add</i>	23.79
	<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	47.58
02 41 19 13-0150	EA Drill 8" Diameter Core In >10" To 12" Brick/Concrete Block	206.69
	<i>For Horizontal Cores, Add</i>	38.43
	<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	76.86
02 41 19 13-0151	EA Drill 10" Diameter Core In >10" To 12" Brick/Concrete Block	225.21
	<i>For Horizontal Cores, Add</i>	41.17
	<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	82.34
02 41 19 13-0152	EA Drill 12" Diameter Core In >10" To 12" Brick/Concrete Block	261.15
	<i>For Horizontal Cores, Add</i>	47.58
	<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	95.17
02 41 19 13-0153	>12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)	
02 41 19 13-0154	IN Drill 1" Diameter Core In >12" Brick/Concrete Block	6.74
	<i>For Horizontal Cores, Add</i>	1.27
	<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	2.54
02 41 19 13-0155	IN Drill 1-1/2" Diameter Core In >12" Brick/Concrete Block	7.44
	<i>For Horizontal Cores, Add</i>	1.41
	<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	2.82
02 41 19 13-0156	IN Drill 2" Diameter Core In >12" Brick/Concrete Block	8.23
	<i>For Horizontal Cores, Add</i>	1.57
	<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	3.13
02 41 19 13-0157	IN Drill 3" Diameter Core In >12" Brick/Concrete Block	9.13
	<i>For Horizontal Cores, Add</i>	1.71
	<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	3.43
02 41 19 13-0158	IN Drill 4" Diameter Core In >12" Brick/Concrete Block	12.15
	<i>For Horizontal Cores, Add</i>	2.29
	<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	4.57
02 41 19 13-0159	IN Drill 6" Diameter Core In >12" Brick/Concrete Block	15.77
	<i>For Horizontal Cores, Add</i>	2.98
	<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	5.95
02 41 19 13-0160	IN Drill 8" Diameter Core In >12" Brick/Concrete Block	25.25
	<i>For Horizontal Cores, Add</i>	4.81
	<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	9.62
02 41 19 13-0161	IN Drill 10" Diameter Core In >12" Brick/Concrete Block	27.45
	<i>For Horizontal Cores, Add</i>	5.17
	<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	10.34
02 41 19 13-0162	IN Drill 12" Diameter Core In >12" Brick/Concrete Block	31.70
	<i>For Horizontal Cores, Add</i>	5.95
	<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	11.90
02 41 19 13-0163	Asphalt Core Drilling (02 41 19 13-0024)	
02 41 19 13-0164	Up To 2" Thick Asphalt Core Drilling (02 41 19 13-0163)	
02 41 19 13-0165	EA Drill 1" Diameter Core In Up To 2" Asphalt	15.95
02 41 19 13-0166	EA Drill 1-1/2" Diameter Core In Up To 2" Asphalt	19.97
02 41 19 13-0167	EA Drill 2" Diameter Core In Up To 2" Asphalt	24.95
02 41 19 13-0168	EA Drill 3" Diameter Core In Up To 2" Asphalt	30.98
02 41 19 13-0169	EA Drill 4" Diameter Core In Up To 2" Asphalt	39.02
02 41 19 13-0170	EA Drill 6" Diameter Core In Up To 2" Asphalt	49.03
02 41 19 13-0171	EA Drill 8" Diameter Core In Up To 2" Asphalt	61.16
02 41 19 13-0172	EA Drill 10" Diameter Core In Up To 2" Asphalt	76.06
02 41 19 13-0173	EA Drill 12" Diameter Core In Up To 2" Asphalt	94.99
02 41 19 13-0174	>2" To 3" Thick Asphalt Core Drilling (02 41 19 13-0163)	
02 41 19 13-0175	EA Drill 1" Diameter Core In >2" To 3" Asphalt	19.93
02 41 19 13-0176	EA Drill 1-1/2" Diameter Core In >2" To 3" Asphalt	25.90
02 41 19 13-0177	EA Drill 2" Diameter Core In >2" To 3" Asphalt	31.88
02 41 19 13-0178	EA Drill 3" Diameter Core In >2" To 3" Asphalt	39.89
02 41 19 13-0179	EA Drill 4" Diameter Core In >2" To 3" Asphalt	49.91
02 41 19 13-0180	EA Drill 6" Diameter Core In >2" To 3" Asphalt	62.89



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0181 EA Drill 8" Diameter Core In >2" To 3" Asphalt	78.02	
02 41 19 13-0182 EA Drill 10" Diameter Core In >2" To 3" Asphalt	97.86	
02 41 19 13-0183 EA Drill 12" Diameter Core In >2" To 3" Asphalt	121.74	
02 41 19 13-0184 >3" To 4" Thick Asphalt Core Drilling (02 41 19 13-0163)		
02 41 19 13-0185 EA Drill 1" Diameter Core In >3" To 4" Asphalt	25.93	
02 41 19 13-0186 EA Drill 1-1/2" Diameter Core In >3" To 4" Asphalt	32.94	
02 41 19 13-0187 EA Drill 2" Diameter Core In >3" To 4" Asphalt	40.90	
02 41 19 13-0188 EA Drill 3" Diameter Core In >3" To 4" Asphalt	50.95	
02 41 19 13-0189 EA Drill 4" Diameter Core In >3" To 4" Asphalt	64.02	
02 41 19 13-0190 EA Drill 6" Diameter Core In >3" To 4" Asphalt	80.05	
02 41 19 13-0191 EA Drill 8" Diameter Core In >3" To 4" Asphalt	100.26	
02 41 19 13-0192 EA Drill 10" Diameter Core In >3" To 4" Asphalt	125.11	
02 41 19 13-0193 EA Drill 12" Diameter Core In >3" To 4" Asphalt.....	155.99	
02 41 19 13-0194 >4" To 6" Thick Asphalt Core Drilling (02 41 19 13-0163)		
02 41 19 13-0195 EA Drill 1" Diameter Core In >4" To 6" Asphalt	34.01	
02 41 19 13-0196 EA Drill 1-1/2" Diameter Core In >4" To 6" Asphalt	42.08	
02 41 19 13-0197 EA Drill 2" Diameter Core In >4" To 6" Asphalt	52.06	
02 41 19 13-0198 EA Drill 3" Diameter Core In >4" To 6" Asphalt	66.22	
02 41 19 13-0199 EA Drill 4" Diameter Core In >4" To 6" Asphalt	82.38	
02 41 19 13-0200 EA Drill 6" Diameter Core In >4" To 6" Asphalt	102.48	
02 41 19 13-0201 EA Drill 8" Diameter Core In >4" To 6" Asphalt	128.88	
02 41 19 13-0202 EA Drill 10" Diameter Core In >4" To 6" Asphalt	160.76	
02 41 19 13-0203 EA Drill 12" Diameter Core In >4" To 6" Asphalt	200.76	
02 41 19 13-0204 Manhole Core Drilling (02 41 19 13-0024)		
02 41 19 13-0205 EA Drill 4" Diameter Core In 6" Brick Manhole	174.42	
02 41 19 13-0206 EA Drill 5" Diameter Core In 6" Brick Manhole	199.30	
02 41 19 13-0207 EA Drill 6" Diameter Core In 6" Brick Manhole	232.27	
02 41 19 13-0208 EA Drill 8" Diameter Core In 6" Brick Manhole	347.95	
02 41 19 13-0209 EA Drill 2" Diameter Core In 8" Concrete Manhole.....	233.19	
02 41 19 13-0210 EA Drill 3" Diameter Core In 8" Concrete Manhole.....	249.07	
02 41 19 13-0211 EA Drill 4" Diameter Core In 8" Concrete Manhole.....	274.89	
02 41 19 13-0212 EA Drill 5" Diameter Core In 8" Concrete Manhole.....	295.15	
02 41 19 13-0213 EA Drill 6" Diameter Core In 8" Concrete Manhole.....	349.66	
02 41 19 13-0214 EA Drill 8" Diameter Core In 8" Concrete Manhole.....	499.05	
02 41 19 13-0215 EA Drill 2" Diameter Core In Fiberglass Manhole.....	22.95	
02 41 19 13-0216 EA Drill 3" Diameter Core In Fiberglass Manhole.....	26.50	
02 41 19 13-0217 EA Drill 4" Diameter Core In Fiberglass Manhole.....	28.74	
02 41 19 13-0218 EA Drill 5" Diameter Core In Fiberglass Manhole.....	31.36	
02 41 19 13-0219 EA Drill 6" Diameter Core In Fiberglass Manhole.....	34.51	
02 41 19 13-0220 EA Drill 8" Diameter Core In Fiberglass Manhole.....	38.36	
02 41 19 13-0221 Drilling In Concrete Per Inch Of Depth (02 41 19 13-0024)		
Note: Includes layout.		
02 41 19 13-0222 IN 1/4" Diameter Drilling In Concrete Per Inch Of Depth.....	1.82	
02 41 19 13-0223 IN 3/8" Diameter Drilling In Concrete Per Inch Of Depth.....	1.91	
02 41 19 13-0224 IN 1/2" Diameter Drilling In Concrete Per Inch Of Depth.....	2.04	
02 41 19 13-0225 IN 5/8" Diameter Drilling In Concrete Per Inch Of Depth.....	2.18	
02 41 19 13-0226 IN 3/4" Diameter Drilling In Concrete Per Inch Of Depth.....	2.39	
02 41 19 13-0227 IN 7/8" Diameter Drilling In Concrete Per Inch Of Depth.....	2.60	
02 41 19 13-0228 IN 1" Diameter Drilling In Concrete Per Inch Of Depth.....	2.72	
02 41 19 13-0229 IN 1-1/4" Diameter Drilling In Concrete Per Inch Of Depth.....	3.01	
02 41 19 13-0230 IN 1-1/2" Diameter Drilling In Concrete Per Inch Of Depth.....	3.40	
02 41 19 13-0231 Drilling In Brick/Concrete Block Per Inch Of Depth (02 41 19 13-0024)		
Note: Includes layout.		
02 41 19 13-0232 IN 1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.52	
02 41 19 13-0233 IN 3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.59	
02 41 19 13-0234 IN 1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.71	
02 41 19 13-0235 IN 5/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.82	
02 41 19 13-0236 IN 3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.99	
02 41 19 13-0237 IN 7/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.17	
02 41 19 13-0238 IN 1" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.27	
02 41 19 13-0239 IN 1-1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.51	
02 41 19 13-0240 IN 1-1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.99	
02 41 19 13-0241 Drilling In Wood Or Plastic Per Inch Of Depth (02 41 19 13-0024)		
Note: Includes layout.		
02 41 19 13-0242 IN 1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.76	
02 41 19 13-0243 IN 3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.80	
02 41 19 13-0244 IN 1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.85	
02 41 19 13-0245 IN 5/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.90	
02 41 19 13-0246 IN 3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.99	

02	Existing Conditions
02 40	Demolition And Structure Moving
02 41	Demolition



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 41 19 13-0247	IN		7/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.07	
02 41 19 13-0248	IN		1" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.12	
02 41 19 13-0249	IN		1-1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.25	
02 41 19 13-0250	IN		1-1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.44	
02 41 19 13-0251			Limestone Core Drilling (02 41 19 13-0024)		
02 41 19 13-0252			10" To 14" Thick Limestone Core Drilling (02 41 19 13-0251)		
02 41 19 13-0253	EA		Drill 1" Diameter Core In 10" To 14" Limestone.....	50.94	
02 41 19 13-0254	EA		Drill 1-1/2" Diameter Core In 10" To 14" Limestone.....	61.32	
02 41 19 13-0255	EA		Drill 2" Diameter Core In 10" To 14" Limestone.....	66.83	
02 41 19 13-0256	EA		Drill 3" Diameter Core In 10" To 14" Limestone.....	77.83	
02 41 19 13-0257	EA		Drill 4" Diameter Core In 10" To 14" Limestone.....	88.95	
02 41 19 13-0258	EA		Drill 6" Diameter Core In 10" To 14" Limestone.....	124.56	
02 41 19 13-0259	EA		Drill 8" Diameter Core In 10" To 14" Limestone.....	205.44	
02 41 19 13-0260			15" To 18" Thick Limestone Core Drilling (02 41 19 13-0251)		
02 41 19 13-0261	EA		Drill 1" Diameter Core In 15" To 18" Limestone.....	56.25	
02 41 19 13-0262	EA		Drill 1-1/2" Diameter Core In 15" To 18" Limestone.....	66.77	
02 41 19 13-0263	EA		Drill 2" Diameter Core In 15" To 18" Limestone.....	72.39	
02 41 19 13-0264	EA		Drill 3" Diameter Core In 15" To 18" Limestone.....	78.75	
02 41 19 13-0265	EA		Drill 4" Diameter Core In 15" To 18" Limestone.....	104.82	
02 41 19 13-0266	EA		Drill 6" Diameter Core In 15" To 18" Limestone.....	135.77	
02 41 19 13-0267	EA		Drill 8" Diameter Core In 15" To 18" Limestone.....	217.27	
02 41 19 13-0268			19" To 24" Thick Limestone Core Drilling (02 41 19 13-0251)		
02 41 19 13-0269	EA		Drill 1" Diameter Core In 19" To 24" Limestone.....	61.49	
02 41 19 13-0270	EA		Drill 1-1/2" Diameter Core In 19" To 24" Limestone.....	72.13	
02 41 19 13-0271	EA		Drill 2" Diameter Core In 19" To 24" Limestone.....	77.87	
02 41 19 13-0272	EA		Drill 3" Diameter Core In 19" To 24" Limestone.....	89.33	
02 41 19 13-0273	EA		Drill 4" Diameter Core In 19" To 24" Limestone.....	125.45	
02 41 19 13-0274	EA		Drill 6" Diameter Core In 19" To 24" Limestone.....	156.65	
02 41 19 13-0275	EA		Drill 8" Diameter Core In 19" To 24" Limestone.....	233.84	
02 41 19 13-0276			Minimum Charge For Core Drilling (02 41 19 13-0024)		
02 41 19 13-0277	EA		Core Drill Minimum Charge.....	623.73	
			Note: For projects where the total core drilling charge is less than the minimum charge, use task "Minimum Charge For Core Drilling" exclusively. Task "Minimum Charge For Core Drilling" should not be used in conjunction with any other tasks in this section. Does not apply to sections "Drilling In Concrete Per Inch Of Depth" or "Drilling In Brick Or Block Per Inch Of Depth".		
02 41 19 13-0278			Cutouts (02 41 19 13)		
			Note: Includes saw cutting and removal of material. Not to be used for openings greater than 24 SF.		
02 41 19 13-0279			Reinforced Concrete Slab On Grade Cutouts (02 41 19 13-0278)		
02 41 19 13-0280	SF		4" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	39.73	
02 41 19 13-0281	SF		6" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	42.15	
02 41 19 13-0282	SF		8" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	44.56	
02 41 19 13-0283	SF		10" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	46.96	
02 41 19 13-0284	SF		12" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	48.16	
02 41 19 13-0285			Reinforced Concrete Elevated Slab Cutouts (02 41 19 13-0278)		
			Note: Includes cutting and removing steel decking.		
02 41 19 13-0286	SF		4" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	48.43	
02 41 19 13-0287	SF		6" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	51.36	
02 41 19 13-0288	SF		8" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	54.30	
02 41 19 13-0289	SF		10" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	57.24	
02 41 19 13-0290	SF		12" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	58.70	
02 41 19 13-0291			Reinforced Concrete Wall Cutouts (02 41 19 13-0278)		
02 41 19 13-0292	SF		4" Thick Reinforced Concrete Wall Cutouts, <24 SF.....	49.67	
02 41 19 13-0293	SF		6" Thick Reinforced Concrete Wall Cutouts, <24 SF.....	52.68	
02 41 19 13-0294	SF		8" Thick Reinforced Concrete Wall Cutouts, <24 SF.....	55.69	
02 41 19 13-0295	SF		10" Thick Reinforced Concrete Wall Cutouts, <24 SF.....	58.70	
02 41 19 13-0296	SF		12" Thick Reinforced Concrete Wall Cutouts, <24 SF.....	60.21	
02 41 19 13-0297			Brick Wall Cutouts (02 41 19 13-0278)		
			Note: Excludes toothing.		
02 41 19 13-0298	SF		4" Thick Brick Wall Cutouts, <24 SF.....	15.05	
02 41 19 13-0299	SF		6" Thick Brick Wall Cutouts, <24 SF.....	24.84	
02 41 19 13-0300	SF		8" Thick Brick Wall Cutouts, <24 SF.....	34.59	
02 41 19 13-0301	SF		10" Thick Brick Wall Cutouts, <24 SF.....	42.15	
02 41 19 13-0302	SF		12" Thick Brick Wall Cutouts, <24 SF.....	50.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0303 SF 16" Thick Brick Wall Cutouts, <24 SF	59.46	
02 41 19 13-0304 Concrete Block Wall Cutouts (02 41 19 13-0278) Note: Excludes toothing.		
02 41 19 13-0305 SF 4" Thick Concrete Block Wall Cutouts, <24 SF	24.90	
02 41 19 13-0306 SF 6" Thick Concrete Block Wall Cutouts, <24 SF	26.36	
02 41 19 13-0307 SF 8" Thick Concrete Block Wall Cutouts, <24 SF	27.85	
02 41 19 13-0308 SF 10" Thick Concrete Block Wall Cutouts, <24 SF	29.36	
02 41 19 13-0309 SF 12" Thick Concrete Block Wall Cutouts, <24 SF	30.10	
02 41 19 13-0310 SF 16" Thick Concrete Block Wall Cutouts, <24 SF	31.61	
02 41 19 13-0311 Limestone Cutouts (02 41 19 13-0278)		
02 41 19 13-0312 SF 2" Thick Limestone Cutouts, <24 SF	42.15	
02 41 19 13-0313 SF 4" Thick Limestone Cutouts, <24 SF	51.18	
02 41 19 13-0314 SF 6" Thick Limestone Cutouts, <24 SF	54.19	
02 41 19 13-0315 SF 8" Thick Limestone Cutouts, <24 SF	57.19	
02 41 19 13-0316 SF 10" Thick Limestone Cutouts, <24 SF	60.21	
02 41 19 13-0317 SF 12" Thick Limestone Cutouts, <24 SF	63.22	
02 41 19 13-0318 Toothing Masonry Cutouts (02 41 19 13-0278) Note: For use where existing masonry must be removed in a toothing pattern along horizontal and vertical mortar joints. VLF measurement includes all horizontal cutting.		
02 41 19 13-0319 VLF Brick, Soft Old Mortar, Toothing Masonry Cutouts	15.05	
02 41 19 13-0320 VLF Brick, Hard Mortar, Toothing Masonry Cutouts	20.32	
02 41 19 13-0321 VLF Concrete Block, Soft Old Mortar, Toothing Masonry Cutouts	9.03	
02 41 19 13-0322 VLF Concrete Block, Hard Mortar, Toothing Masonry Cutouts	12.05	
02 41 19 13-0323 Minimum Charge For Cutouts (02 41 19 13-0278) Note: For projects where the total cutouts charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0324 EA Cutouts Minimum Charge	301.04	
02 41 19 13-0325 Exterior Masonry Removal (02 41 19 13)		
02 41 19 13-0326 Masonry Columns Removal (Interior And Exterior) (02 41 19 13-0325)		
02 41 19 13-0327 VLF 8" x 8" Masonry Column Removal	11.74	
02 41 19 13-0328 VLF 10" x 10" Masonry Column Removal	18.35	
02 41 19 13-0329 VLF 12" x 12" Masonry Column Removal	23.50	
02 41 19 13-0330 VLF 14" x 14" Masonry Column Removal	29.42	
02 41 19 13-0331 VLF 16" x 16" Masonry Column Removal	36.14	
02 41 19 13-0332 CF Masonry Column Removal, Per CF Of Masonry Removed; For Other Sizes Over 16" Square	20.29	
02 41 19 13-0333 Masonry Chimney Removal (02 41 19 13-0325)		
02 41 19 13-0334 CF Up To 3 CF/VLF Chimney Removal, Per CF Of Masonry Removed	23.81	
02 41 19 13-0335 CF >3 To 10 CF/VLF Chimney Removal, Per CF Of Masonry Removed	17.88	
02 41 19 13-0336 CF >10 To 20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	13.67	
02 41 19 13-0337 CF >20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	9.47	
02 41 19 13-0338 Remove And Reset Precast, Stone Or Masonry Coping (02 41 19 13-0325) Note: Includes removing, cleaning, and resetting coping with new ties and mortar. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0339 LF Up To 8" Wide, Remove And Reset Precast, Stone Or Masonry Coping	17.25	
02 41 19 13-0340 LF >8" To 12" Wide, Remove And Reset Precast, Stone Or Masonry Coping	25.30	
02 41 19 13-0341 LF >12" To 24" Wide, Remove And Reset Precast, Stone Or Masonry Coping	47.42	
02 41 19 13-0342 Facade Removal (02 41 19 13-0325) Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0343 SF Stone Or Brick Veneer Facade Removal	4.47	
<i>For Cleaning and Storage For Reuse, Add</i>	3.35	
02 41 19 13-0344 Exterior Masonry Removal (02 41 19 13-0325) Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Salvage modifier includes removing mortar, scraping, cleaning, placement on pallets and storage on site. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0345 SF Demolish 4" Thick Non Reinforced Concrete Block Exterior Wall	3.94	
02 41 19 13-0346 SF Demolish 6" Thick Non Reinforced Concrete Block Exterior Wall	4.43	
02 41 19 13-0347 SF Demolish 8" Thick Non Reinforced Concrete Block Exterior Wall	5.36	
02 41 19 13-0348 SF Demolish 10" Thick Non Reinforced Concrete Block Exterior Wall	5.86	
02 41 19 13-0349 SF Demolish 12" Thick Non Reinforced Concrete Block Exterior Wall	6.43	

02 Existing Conditions**02 40 Demolition And Structure Moving****02 41 Demolition**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0350 SF Demolish 16" Thick Non Reinforced Concrete Block Exterior Wall.....	8.05	
02 41 19 13-0351 SF Demolish 4" Thick Reinforced Concrete Block Exterior Wall.....	4.64	
02 41 19 13-0352 SF Demolish 6" Thick Reinforced Concrete Block Exterior Wall.....	5.32	
02 41 19 13-0353 SF Demolish 8" Thick Reinforced Concrete Block Exterior Wall.....	6.43	
02 41 19 13-0354 SF Demolish 10" Thick Reinforced Concrete Block Exterior Wall.....	7.04	
02 41 19 13-0355 SF Demolish 12" Thick Reinforced Concrete Block Exterior Wall.....	7.72	
02 41 19 13-0356 SF Demolish 16" Thick Reinforced Concrete Block Exterior Wall.....	9.67	
02 41 19 13-0357 SF Demolish 4" Thick Brick Exterior Wall.....	3.94	
For Cleaning and Storage For Reuse, Add	2.96	
02 41 19 13-0358 SF Demolish 6" Thick Brick Exterior Wall.....	4.43	
For Cleaning and Storage For Reuse, Add	3.32	
02 41 19 13-0359 SF Demolish 8" Thick Brick Exterior Wall.....	5.36	
For Cleaning and Storage For Reuse, Add	4.02	
02 41 19 13-0360 SF Demolish 10" Thick Brick Exterior Wall.....	5.86	
For Cleaning and Storage For Reuse, Add	4.40	
02 41 19 13-0361 SF Demolish 12" Thick Brick Exterior Wall.....	6.43	
For Cleaning and Storage For Reuse, Add	4.82	
02 41 19 13-0362 SF Demolish 16" Thick Brick Exterior Wall.....	8.05	
For Cleaning and Storage For Reuse, Add	6.04	
02 41 19 13-0363 CF Exterior Brick, Concrete Block Or Composite Removal.....	11.44	
For Cleaning and Storage For Reuse, Add	8.58	
02 41 19 13-0364 Lintel Removal (02 41 19 13-0325)		
Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0365 LF Demolish Steel Lintel.....	14.58	
02 41 19 13-0366 LF Demolish Concrete Or Stone Lintel.....	19.44	
02 41 19 13-0367 LF Demolish Steel Shelf Angle.....	15.39	
02 41 19 13-0368 LF Clean, Prime And Paint Steel Shelf Angle Or Lintel.....	9.43	
02 41 19 13-0369 LF Reinstall Existing Concrete Or Stone Lintel.....	19.44	
02 41 19 13-0370 LF Reinstall Existing Steel Shelf Angle.....	38.90	
Note: Includes fasteners.		
02 41 19 13-0371 LF Reinstall Existing Steel Lintel.....	16.19	
02 41 19 13-0372 LF Removal And Replacement Of Steel Shelf Angle Over Window Openings At Cavity Walls.....	92.02	
02 41 19 13-0373 LF Removal And Replacement Of Steel Lintel Over Window Openings.....	108.23	
02 41 19 13-0374 Exterior Concrete Wall Removal (02 41 19 13)		
02 41 19 13-0375 SF Demolish 4" Thick Reinforced Concrete Exterior Wall.....	5.26	
02 41 19 13-0376 SF Demolish 6" Thick Reinforced Concrete Exterior Wall.....	9.54	
02 41 19 13-0377 SF Demolish 8" Thick Reinforced Concrete Exterior Wall.....	11.99	
02 41 19 13-0378 SF Demolish 10" Thick Reinforced Concrete Exterior Wall.....	14.14	
02 41 19 13-0379 SF Demolish 12" Thick Reinforced Concrete Exterior Wall.....	16.72	
02 41 19 13-0381 Elevated Concrete Removal (02 41 19 13)		
02 41 19 13-0382 CF Elevated Concrete Beam/Slab/Steps Removal, Reinforced.....	10.09	
02 41 19 16 Selective Interior Demolition (02 41 19)		
Note: Includes break-up of material, loading into truck or dumpster and clean-up.		
02 41 19 16-0001 Floor Removal (02 41 19 16)		
02 41 19 16-0002 Scarify Concrete (02 41 19 16-0001)		
Note: Up to 1/4" removal per pass.		
02 41 19 16-0003 SF Scarify Concrete Floor.....	0.25	
02 41 19 16-0004 SF Scarify Concrete Tread And Riser.....	2.05	
02 41 19 16-0005 SF Scarify Concrete Wall.....	1.86	
02 41 19 16-0006 Fireproofing Removal (02 41 19 16)		
02 41 19 16-0007 SF Removal Of Fireproofing From Concrete Or Steel.....	1.00	
02 41 19 16-0008 Demolish Ceiling (02 41 19 16)		
02 41 19 16-0009 SF Demolish Drywall Ceiling.....	0.77	
02 41 19 16-0010 SF Demolish Furred Plastered Ceiling.....	1.80	
02 41 19 16-0011 SF Demolish Suspended Plastered Ceiling And Suspension System.....	1.37	
02 41 19 16-0012 Demolish Concrete Stair (02 41 19 16)		
02 41 19 16-0013 CF Demolish Interior Reinforced Concrete Stairs.....	6.43	
02 41 19 16-0014 CF Demolish Exterior Reinforced Concrete Stairs.....	5.49	
02 41 19 16-0015 Demolish Interior Partition/Wall (02 41 19 16)		
Note: Price includes knock down, loading, clean-up.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 16-0016 Demolish Masonry And Concrete Interior Partition/Walls <small>(02 41 19 16-0015)</small> Note: Includes saw cutting, knock down, loading and clean-up.		
02 41 19 16-0017 Demolish Concrete Block Interior Partition/Walls <small>(02 41 19 16-0016)</small>		
02 41 19 16-0018 SF Demolish 4" Thick Non Reinforced Concrete Block Interior Partition/Wall.....	4.17	
02 41 19 16-0019 SF Demolish 6" Thick Non Reinforced Concrete Block Interior Partition/Wall.....	4.45	
02 41 19 16-0020 SF Demolish 8" Thick Non Reinforced Concrete Block Interior Partition/Wall.....	5.02	
02 41 19 16-0021 SF Demolish 12" Thick Non Reinforced Concrete Block Interior Partition/Wall.....	6.44	
02 41 19 16-0022 SF Demolish 16" Thick Non Reinforced Concrete Block Interior Partition/Wall.....	8.05	
02 41 19 16-0023 SF Demolish 4" Thick Reinforced Concrete Block Interior Partition/Wall.....	5.00	
02 41 19 16-0024 SF Demolish 6" Thick Reinforced Concrete Block Interior Partition/Wall.....	5.34	
02 41 19 16-0025 SF Demolish 8" Thick Reinforced Concrete Block Interior Partition/Wall.....	6.02	
02 41 19 16-0026 SF Demolish 12" Thick Reinforced Concrete Block Interior Partition/Wall.....	7.73	
02 41 19 16-0027 SF Demolish 16" Thick Reinforced Concrete Block Interior Partition/Wall.....	9.67	
02 41 19 16-0028 Demolish Brick Interior Partition/Walls <small>(02 41 19 16-0016)</small>		
02 41 19 16-0029 SF Demolish 4" Thick Brick Interior Partition/Wall.....	4.17	
02 41 19 16-0030 SF Demolish 8" Thick Brick Interior Partition/Wall.....	5.02	
02 41 19 16-0031 SF Demolish 12" Thick Brick Interior Partition/Wall.....	6.43	
02 41 19 16-0032 SF Demolish 16" Thick Brick Interior Partition/Wall.....	8.05	
02 41 19 16-0033 Demolish Glass Block Interior Partition/Walls <small>(02 41 19 16-0016)</small>		
02 41 19 16-0034 SF Demolish Glass Block Interior Partition/Walls.....	3.58	
02 41 19 16-0035 Demolish Concrete Interior Partition/Walls <small>(02 41 19 16-0016)</small> See CSI section 02 41 16 13-0021 for concrete foundation demolition.		
02 41 19 16-0036 SF Demolish 6" Thick Non Reinforced Concrete Interior Partition/Wall.....	7.58	
02 41 19 16-0037 SF Demolish 8" Thick Non Reinforced Concrete Interior Partition/Wall.....	9.47	
02 41 19 16-0038 SF Demolish 12" Thick Non Reinforced Concrete Interior Partition/Wall.....	13.27	
02 41 19 16-0039 SF Demolish 6" Thick Reinforced Concrete Interior Partition/Wall.....	9.09	
02 41 19 16-0040 SF Demolish 8" Thick Reinforced Concrete Interior Partition/Wall.....	11.44	
02 41 19 16-0041 SF Demolish 12" Thick Reinforced Concrete Interior Partition/Wall.....	15.91	
02 41 19 16-0042 Demolish Terra-Cotta Block Interior Partition/Walls <small>(02 41 19 16-0016)</small>		
02 41 19 16-0043 SF Demolish Up To 6" Thick Terra-Cotta Block Interior Partition/Wall Finished With Plaster.....	1.43	
02 41 19 16-0044 Demolish Stud Framed Interior Partition/Walls <small>(02 41 19 16-0015)</small> Note: Includes knock down, loading and clean-up. Includes demo of insulation if required.		
02 41 19 16-0045 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 1 Side.....	2.54	
For Heights >14' To 20', Add	0.38	
For Heights >20', Add	0.51	
02 41 19 16-0046 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 2 Sides.....	2.96	
For Heights >14' To 20', Add	0.44	
For Heights >20', Add	0.59	
02 41 19 16-0047 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 1 Side.....	3.24	
For Heights >14' To 20', Add	0.49	
For Heights >20', Add	0.65	
02 41 19 16-0048 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 2 Sides.....	4.51	
For Heights >14' To 20', Add	0.68	
For Heights >20', Add	0.90	
02 41 19 16-0049 SF Demolish Plaster And Lath From 1 Side Of An Interior Partition/Wall.....	1.33	
For Heights >14' To 20', Add	0.20	
For Heights >20', Add	0.27	
02 41 19 16-0050 SF Demolish Plaster And Lath From 2 Sides Of An Interior Partition/Wall.....	1.59	
For Heights >14' To 20', Add	0.24	
For Heights >20', Add	0.32	
02 42 Removal And Salvage Of Construction Materials <small>(02 40)</small>		
02 42 21 Salvage of Construction Materials <small>(02 42)</small> Note: Salvage tasks include placement on pallets and storage on site.		
02 42 21 35 Roofing Salvage <small>(02 42 21)</small>		
02 42 21 35-0001 Clay Tile Roof Remove And Salvage For Re-use <small>(02 42 21 35)</small> Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.		
02 42 21 35-0002 SQ Removal Of Clay Roof Tile, Salvage For Re-use.....	233.53	
02 42 21 47 Flooring Salvage <small>(02 42 21)</small>		
02 42 21 47-0001 Remove And Salvage For Re-Use <small>(02 42 21 47)</small> Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.		
02 42 21 47-0002 SF Removal Of Brick Flooring And Salvage.....	2.13	
02 42 21 47-0003 SF Removal Of Ceramic/Quarry Tile Floor And Salvage.....	2.13	
02 42 21 47-0004 SF Removal Of Terrazzo Flooring And Salvage.....	2.94	

02 Existing Conditions**02 40 Demolition And Structure Moving****02 42 Removal And Salvage Of Construction Materials**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 42 21 47-0005 SF	Removal Of Wood Strip Flooring And Salvage	1.72
02 42 21 47-0006 SF	Removal Of Wood Parquet Flooring And Salvage	0.91
02 42 21 47-0007 SF	Removal Of Resilient/Linoleum Flooring And Salvage.....	0.65

02 43 Structure Moving (02 40)**02 43 13 Structure Relocation** (02 43)

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

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

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

02 43 13 13-0002 SF	Up To 800 SF, Move Relocatable Metal Frame Building	28.58
02 43 13 13-0003 SF	>800 To 920 SF, Move Relocatable Metal Frame Building.....	27.01
02 43 13 13-0004 SF	>920 SF, Move Relocatable Metal Frame Building.....	25.28
02 43 13 13-0005 SF	Up To 800 SF, Move Relocatable Wood Frame Building.....	22.93
02 43 13 13-0006 SF	>800 To 920 SF, Move Relocatable Wood Frame Building	21.43
02 43 13 13-0007 SF	>920 SF, Move Relocatable Wood Frame Building	18.97
02 43 13 13-0008 SF	Up To 800 SF, Move Relocatable Wood/Metal Frame Building	27.78
02 43 13 13-0009 SF	>800 To 920 SF, Move Relocatable Wood/Metal Frame Building	25.28
02 43 13 13-0010 SF	>920 SF, Move Relocatable Wood/Metal Frame Building.....	21.43

02 60 Contaminated Site Material Removal (02)**02 61 Removal And Disposal Of Contaminated Soils** (02 60)**02 61 13 Excavation And Handling Of Contaminated Material** (02 61)

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

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

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

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

02 61 13 00-0003 CY	Excavate Non Petroleum Contaminated Soil.....	7.04
Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.		
02 61 13 00-0004 CY	Load Excavated Non-Petroleum Contaminated Soil.....	6.08
02 61 13 00-0005 CY	Disposal Fees Of Non-Petroleum Contaminated Soil	38.20

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

02 61 13 00-0007 CY	Excavate Petroleum Contaminated Soil.....	10.56
Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.		
02 61 13 00-0008 CY	Load Excavated Petroleum Contaminated Soil.....	6.08
02 61 13 00-0009 CY	Disposal Fees Of Petroleum Contaminated Soil.....	61.20

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

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

02 61 13 00-0011 SF	30 Mil Liner For Contaminated Soil Storage	1.03
Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.		
02 61 13 00-0012 SF	10 Mil Liner For Contaminated Soil Storage	0.62
Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.		

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

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

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

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 61 26 00-0002 EA Up To 10 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	783.26 234.98	
02 61 26 00-0003 CF >10 To 100 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	51.92 15.58	
02 61 26 00-0004 CF >100 To 250 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	34.62 10.39	
02 61 26 00-0005 CF >250 To 500 CF, Asbestos Contaminated Asbestos Abatement And Disposal.....	26.00	
02 61 26 00-0006 CF >500 To 2,500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	20.77 6.23	
02 61 26 00-0007 CF >2,500 To 10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	17.66 5.30	
02 61 26 00-0008 CF >10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	15.89 4.77	

02 65 Underground Storage Tank Removal (02 60)

Note: Petroleum gasoline is classified as a hazardous material; fuel oil is considered a non-hazardous material. See CSI section 01 74 19 00-0036 for hauling, 31 20 00 00-0000 for non-contaminated soil excavation, 31 23 16 00-0000 for excavation, 31 41 00 00-0000 for shoring.

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

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

02 65 00 00-0003 EA Collection Of Sludge Sample For Underground Storage Tank	25.26
02 65 00 00-0004 EA Collection Of Pumpable Liquids Sample For Underground Storage Tank	25.26
02 65 00 00-0005 EA Collection Of Contaminated Soil Sample	25.26

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

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

02 65 00 00-0007 EA Lab Test - Benzene, Toluene, Ethylbenzene, Xylene 8020	111.67
Note: The cost is for the in-lab test for Benzene, Toluene, Ethylbenzene, And Xylene using procedure 8020 as detailed in EPA SW-846.	
02 65 00 00-0008 EA Lab Test - Flashpoint	43.43
Note: The cost is for the in-lab test for the flashpoint using procedure 40CFR 261.21 as detailed in EPA SW-846.	
02 65 00 00-0009 EA Lab Test - TOX 9020	104.46
Note: The cost is for the in-lab test for total organic halides using procedure 9020 as detailed in EPA SW-846.	
02 65 00 00-0010 EA Lab Test - TPH 8015 Modified	111.67
Note: The cost is for the in-lab test for total petroleum hydrocarbons by gas chromatography using procedure 8015 Mod. as detailed in EPA SW-846.	
02 65 00 00-0011 EA Lab Test - TRPH 418.1	86.86
Note: The cost is for the in-lab test for total recoverable petroleum hydrocarbons using procedure 418.1 as detailed in EPA SW-846.	
02 65 00 00-0012 EA Lab Test - VOC	235.75
Note: The cost is for the in-lab test for volatile organics using procedure 8240 as detailed in EPA SW-846.	
02 65 00 00-0013 EA Lab Test - Semi-Volatile Organic	434.28
Note: The cost is for the in-lab test for semi-volatile organics using procedure 8270 as detailed in EPA SW-846.	
02 65 00 00-0014 EA Lab Test - Oil And Grease 413.1	52.23
Note: The cost is for the in-lab test for oil and grease using procedure 413.1 as detailed in EPA SW-846.	
02 65 00 00-0015 EA Lab Test - TCLP (Extraction) - Metals	93.06
Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	
02 65 00 00-0016 EA Lab Test - TCLP (Extraction) - Semi-Volatile Organic	124.08
Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	
02 65 00 00-0017 EA Lab Test - Metals 6010 RCRA	138.97
Note: The cost is for the in-lab test for metals using procedure 6010 RCRA as detailed in EPA SW-846.	
02 65 00 00-0018 EA Lab Test - Metals (Arsenic) 7060	18.61
Note: The cost is for the in-lab test for the metal arsenic using procedure 7060 as detailed in EPA SW-846.	
02 65 00 00-0019 EA Lab Test - Metals (Selenium) 7740	18.61
Note: The cost is for the in-lab test for the metal selenium (SE) using procedure 7740 as detailed in EPA SW-846.	
02 65 00 00-0020 EA Lab Test - Metals (Lead) 7421	18.61
Note: The cost is for the in-lab test for the metal lead using procedure 7421 as detailed in EPA SW-846.	
02 65 00 00-0021 EA Lab Test - Metals (Mercury) 7470	34.74
Note: The cost is for the in-lab test for the metal mercury using procedure 7470 as detailed in EPA SW-846.	
02 65 00 00-0022 EA Lab Test - PNA/PAH 8100	198.53
Note: The cost is for the in-lab test for polynuclear aromatic hydrocarbons using procedure 8100 as detailed in EPA SW-846.	
02 65 00 00-0023 EA Lab Test - Fuel Id ASTM D3328-78	71.82
Note: The cost is for the in-lab test to determine the constituents of fuel using the procedure as detailed in ASTM D3328-78.	
02 65 00 00-0024 EA Lab Test - pH	14.89
02 65 00 00-0025 EA Lab Test - Polychlorinated Biphenyl (PCB) In Wastewater	186.12
02 65 00 00-0026 EA Lab Test - Methyl Tertiary Butyl Ether (MTBE)	111.67

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

02 65 00 00-0028 EA Site Survey For AST/UST Location By Certified Tank Installer.....	985.58
Note: Includes testing Pump output both tank and dispenser, Calibrate pump dispenser if needed, Check all sumps both tank and dispenser, check all fitting connections for leaks and check wiring connection for possible malfunction or safety hazard, check seals on caps for fill tube, check overflow performance for safety shutdown, check all hoses and pump handle, check break-away couplings, complete written report on all data found.	

02 Existing Conditions**02 60 Contaminated Site Material Removal****02 65 Underground Storage Tank Removal**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0029 EA Check Cathodic Protection - Impressed Current Systems And Sacrificial Anode Systems Note: By Certified Technician. Write report of findings for action if needed	153.27	
02 65 00 00-0030 EA Check And Report On Monitor Probes..... Note: By Certified Technician	36.31	
02 65 00 00-0031 EA Tank Monitoring System: Check System Per Manufacturer's Specification By Certified Technician With Written Report..... Note: Including pass / fail; paper feed operational paper installed etc.; and status of inspection repairs needed etc.	266.35	
02 65 00 00-0032 EA Replace Anode On Impressed System.....	106.20	
02 65 00 00-0033 EA Replace Power Converter On Impressed System On Underground Storage Tank.....	153.51	
02 65 00 00-0034 EA Replace Monitor Probes On Underground Storage Tank.....	219.94	
02 65 00 00-0035 EA Ultrasonic Test On Underground Storage Tank.....	74.24	
02 65 00 00-0036 Tests And Sampling Labor Hours (02 65 00 00-0001)		
02 65 00 00-0037 HR Certified Tank Installer For Underground Storage Tank.....	90.28	
02 65 00 00-0038 HR Certified Geologist/Environmentalist.....	113.18	
02 65 00 00-0039 HR Hourly Office Work For Reports Required For EPA On Underground Storage Tank..... Note: Includes title searches, well survey data, site drawings, submitting preliminary work, etc. Hours not to be used in association with other tasks performed.	117.99	
02 65 00 00-0040 Remove Tank Contents (02 65)		
02 65 00 00-0041 Transfer Liquid (02 65 00 00-0040) Note: For use to transfer liquids from one tank to another.		
02 65 00 00-0042 GAL Transfer Reusable Liquid To Different Tank..... Note: Per gallon of material transferred.	0.58	
02 65 00 00-0043 Pump Contaminated Liquids And Rinse Material (02 65 00 00-0040)		
02 65 00 00-0044 GAL Removal and Disposal Of Hazardous Liquids From Tank.....	1.29	
02 65 00 00-0045 GAL Removal and Disposal Of Non Hazardous Liquid From Tank.....	0.91	
02 65 00 00-0046 Sludge (02 65 00 00-0040) Note: Includes scraping and solidifying agent.		
02 65 00 00-0047 GAL Removal and Disposal Of Hazardous Solids Or Sludge From Tank.....	5.18	
02 65 00 00-0048 GAL Removal and Disposal Of Non Hazardous Solids Or Sludge From Tank.....	1.19	
02 65 00 00-0049 Purge Vapors, Open And Clean Tank (02 65)		
02 65 00 00-0050 Purge Vapors (02 65 00 00-0049)		
02 65 00 00-0051 LB Purge Tank Using Dry Ice..... Note: Approximately 1.5 To 3.0 LBS of dry ice per 100 Gals of tank volume.	3.20	
02 65 00 00-0052 High Pressure Water Wash And Rinse Of Tank Interior (02 65 00 00-0049)		
02 65 00 00-0053 EA Up To 275 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	245.86	
02 65 00 00-0054 EA >275 To 550 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	316.11	
02 65 00 00-0055 EA >550 To 1,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	400.40	
02 65 00 00-0056 EA >1,000 To 2,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	519.83	
02 65 00 00-0057 EA >2,000 To 5,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	969.39	
02 65 00 00-0058 EA >5,000 To 6,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	1,166.09	
02 65 00 00-0059 EA >6,000 To 8,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	1,299.56	
02 65 00 00-0060 EA >8,000 To 10,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	1,559.47	
02 65 00 00-0061 EA >10,000 To 15,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	1,938.80	
02 65 00 00-0062 EA >15,000 To 20,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	2,332.18	
02 65 00 00-0063 EA >20,000 To 30,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	2,915.22	
02 65 00 00-0064 EA >30,000 To 40,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	3,644.37	
02 65 00 00-0065 EA >40,000 To 50,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	4,554.76	
02 65 00 00-0066 Scrape Clean Tank Exterior (02 65 00 00-0049)		
02 65 00 00-0067 EA Up To 275 Gallon Tank, Scrape Clean Tank Exterior.....	193.42	
02 65 00 00-0068 EA >275 To 550 Gallon Tank, Scrape Clean Tank Exterior.....	257.56	
02 65 00 00-0069 EA >550 To 1,000 Gallon Tank, Scrape Clean Tank Exterior.....	337.49	
02 65 00 00-0070 EA >1,000 To 2,000 Gallon Tank, Scrape Clean Tank Exterior.....	467.36	
02 65 00 00-0071 EA >2,000 To 5,000 Gallon Tank, Scrape Clean Tank Exterior.....	1,034.97	
02 65 00 00-0072 EA >5,000 To 6,000 Gallon Tank, Scrape Clean Tank Exterior.....	1,310.49	
02 65 00 00-0073 EA >6,000 To 8,000 Gallon Tank, Scrape Clean Tank Exterior.....	1,533.51	
02 65 00 00-0074 EA >8,000 To 10,000 Gallon Tank, Scrape Clean Tank Exterior.....	1,927.85	
02 65 00 00-0075 EA >10,000 To 15,000 Gallon Tank, Scrape Clean Tank Exterior.....	2,505.73	
02 65 00 00-0076 EA >15,000 To 20,000 Gallon Tank, Scrape Clean Tank Exterior.....	3,145.18	
02 65 00 00-0077 EA >20,000 To 30,000 Gallon Tank, Scrape Clean Tank Exterior.....	4,095.29	
02 65 00 00-0078 EA >30,000 To 40,000 Gallon Tank, Scrape Clean Tank Exterior.....	4,914.34	
02 65 00 00-0079 EA >40,000 To 50,000 Gallon Tank, Scrape Clean Tank Exterior.....	6,142.93	
02 65 00 00-0080 Tank And Piping Removal (02 65)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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Note: Excludes excavation. See CSI section 02 61 13 00-0001 for excavation.

02 65 00 00-0081	Removal And Disposal Of Piping (02 65 00 00-0080)	
	Note: Includes removal, inspection, loading, transporting pipe to disposal facility or transfer station within 15 miles and disposal fees.	
02 65 00 00-0082	LF Up To 4", Removal And Disposal Of Piping.....	15.33
02 65 00 00-0083	LF >4" To 8", Removal And Disposal Of Piping.....	20.44

02 65 00 00-0084	Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement (02 65 00 00-0080)	
	Note: Excludes excavation or backfill.	
02 65 00 00-0085	EA Up To 275 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	532.79
02 65 00 00-0086	EA >275 To 550 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	646.96
02 65 00 00-0087	EA >550 To 1,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	761.13
02 65 00 00-0088	EA >1,000 To 2,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	951.42
02 65 00 00-0089	EA >2,000 To 5,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	1,331.97
02 65 00 00-0090	EA >5,000 To 6,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	1,674.48
02 65 00 00-0091	EA >6,000 To 8,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	1,902.82
02 65 00 00-0092	EA >8,000 To 10,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	2,283.39
02 65 00 00-0093	EA >10,000 To 15,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	3,044.51
02 65 00 00-0094	EA >15,000 To 20,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	3,649.70
02 65 00 00-0095	EA >20,000 To 30,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	4,276.70
02 65 00 00-0096	EA >30,000 To 40,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	5,003.37
02 65 00 00-0097	EA >40,000 To 50,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	6,254.21

02 65 00 00-0098	Cut Tank Into Sections That Can Easily Be Transported And Disposed Of When Necessary (02 65 00 00-0080)	
	Note: Includes 1 lengthwise at every 4' O.C. height wise.	
02 65 00 00-0099	EA >1,000 To 2,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	650.85
02 65 00 00-0100	EA >2,000 To 5,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	1,213.74
02 65 00 00-0101	EA >5,000 To 6,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	1,460.01
02 65 00 00-0102	EA >6,000 To 8,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	1,627.13
02 65 00 00-0103	EA >8,000 To 10,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	1,952.55
02 65 00 00-0104	EA >10,000 To 15,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	2,427.49
02 65 00 00-0105	EA >15,000 To 20,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	2,920.02
02 65 00 00-0106	EA >20,000 To 30,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	3,650.03
02 65 00 00-0107	EA >30,000 To 40,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	4,562.55
02 65 00 00-0108	EA >40,000 To 50,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	5,703.18

02 65 00 00-0109	Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station (02 65 00 00-0080)	
	Note: Includes disposal fee.	
02 65 00 00-0110	EA Up To 275 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	242.30
	For Each Additional Mile >15 Miles, Add	3.59
02 65 00 00-0111	EA >275 To 550 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	329.41
	For Each Additional Mile >15 Miles, Add	4.54
02 65 00 00-0112	EA >550 To 1,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	518.77
	For Each Additional Mile >15 Miles, Add	6.81
02 65 00 00-0113	EA >1,000 To 2,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	810.61
	For Each Additional Mile >15 Miles, Add	7.94
02 65 00 00-0114	EA >2,000 To 5,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	1,430.55
	For Each Additional Mile >15 Miles, Add	13.99
02 65 00 00-0115	EA >5,000 To 6,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	1,475.94
	For Each Additional Mile >15 Miles, Add	15.13
02 65 00 00-0116	EA >6,000 To 8,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	1,551.58
	For Each Additional Mile >15 Miles, Add	17.02
02 65 00 00-0117	EA >8,000 To 10,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	2,254.99
	For Each Additional Mile >15 Miles, Add	22.69
02 65 00 00-0118	EA >10,000 To 15,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	3,086.72
	For Each Additional Mile >15 Miles, Add	34.04
02 65 00 00-0119	EA >15,000 To 20,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	3,615.90
	For Each Additional Mile >15 Miles, Add	37.82
02 65 00 00-0120	EA >20,000 To 30,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	4,477.10
	For Each Additional Mile >15 Miles, Add	45.38
02 65 00 00-0121	EA >30,000 To 40,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	6,286.05
	For Each Additional Mile >15 Miles, Add	54.46
02 65 00 00-0122	EA >40,000 To 50,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	7,598.66
	For Each Additional Mile >15 Miles, Add	62.63

02 65 00 00-0123	Other Storage Tank Removals (02 65 00 00-0080)	
02 65 00 00-0124	GAL Removal Of Cement Lining.....	0.46
02 65 00 00-0125	GAL Sandblast Tank In Prep For Lining Or Welding; Remove Sand, Vacuum Walls And Seams.....	0.17
02 65 00 00-0126	GAL Install Epoxy For Interior Corrosion Protection.....	0.89

02 65 00 00-0127	Tank Closure Report (02 65 00 00-0080)	
	Note: Excludes soils tests. See CSI section 02 65 00 00-0006 for soil tests.	

02 Existing Conditions**02 60 Contaminated Site Material Removal****02 65 Underground Storage Tank Removal**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 65 00 00-0128 EA Prepare Tank Closure Report.....2,463.96

02 65 00 00-0129 Temporary Tanks (02 65)**02 65 00 00-0130 Temporary Holding Tanks (02 65 00 00-0129)****02 65 00 00-0131 Above Ground Temporary Holding Tanks, Monthly Rental (02 65 00 00-0130)**

02 65 00 00-0132 MO 550 Gallon, Stainless Steel, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental516.30
 02 65 00 00-0133 MO 630 Gallon, Polyethylene, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental516.30
 02 65 00 00-0134 MO 630 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental1,032.60
 02 65 00 00-0135 MO 4,000 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental774.45
 02 65 00 00-0136 MO 4,000 Gallon, Polyethylene, Trailer Mounted, Above Ground Temporary Holding Tanks, Monthly Rental1,807.05
 02 65 00 00-0137 MO 6,000 Gallon, Polyethylene, Total Drain, Above Ground Temporary Holding Tanks, Monthly Rental1,290.75
 02 65 00 00-0138 MO 21,000 Gallon (500 BBL), Steel, Open, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental.....3,029.18
 02 65 00 00-0139 MO 21,000 Gallon (500 BBL), Steel, Closed, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental3,630.21
 02 65 00 00-0140 MO 21,000 Gallon (500 BBL), Steel, Vapor Proof, Above Ground Temporary Holding Tanks, Monthly Rental6,130.49

02 65 00 00-0141 Secondary Containment Berm (02 65 00 00-0129)

02 65 00 00-0142 MO Secondary Containment Berm Monthly Rental1,118.65

02 80 Facility Remediation (02)**02 81 Transportation And Disposal Of Hazardous Materials (02 80)****02 81 00 00-0001 Equipment Oil Drain And Disposal (02 81)**

02 81 00 00-0002 TRIP Drain Oil Filled Equipment, Place In Approved Container And Transport To Disposal Site.....363.26
 Note: Excludes Disposal Cost.
 02 81 00 00-0003 DRM Disposal Of Non-Polychlorinated Biphenyl (PCB) Oil In Normal Landfill, Per Partial Or Full 55-Gallon Drum57.08
 Note: Excludes draining, placing in approved container, and transporting to disposal site.
 02 81 00 00-0004 DRM Disposal Of Non-Toxic Polychlorinated Biphenyl (PCB) Oil Into A Lined Landfill, Per Partial Or Full 55-Gallon Drum.....259.48
 Note: Excludes draining, placing in approved container, and transporting to disposal site.
 02 81 00 00-0005 DRM Disposal Of Toxic Polychlorinated Biphenyl (PCB) Oil By Incineration, Per Partial Or Full 55-Gallon Drum467.06
 Note: Excludes draining, placing in approved container, and transporting to disposal site.
 02 81 00 00-0006 CF Hazardous Polychlorinated Biphenyl (PCB) Oil Filled Equipment Disposal At Approved Site62.18
 Note: Includes handling of equipment and disposal at approved site. Excludes draining of PCB contaminated oil prior to disposal.

02 82 Asbestos Remediation (02 80)

Note: Tasks include materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, lockdown encapsulant applied to surfaces, clean-up, vacuuming, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 10 LF or SF (10 LF to 20 LF for ACM pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project. This does not apply to glove bag projects. See CSI section 01 56 16 00-0031 for temporary stud walls, 01 74 19 00-0036 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0008 for plastic sheeting for containment construction, 02 89 00 00-0015 for decontamination chambers.

02 82 13 Asbestos Abatement (02 82)**02 82 13 00-0001 Air Monitoring And Bulk Sampling, Asbestos Testing (02 82 13)**

Note: Testing tasks include packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Polarizing Light Microscope (PLM), Phase Contrast Microscope (PCM), and Transmission Electron Microscope (TEM). Excludes sampling time.
 02 82 13 00-0002 HR Certified Asbestos Air Sampling Technician For Bulk Sampling Or Air Monitoring63.03
 02 82 13 00-0003 EA 48 Hours Or Longer Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing33.73
 02 82 13 00-0004 EA Next Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing39.54
 02 82 13 00-0005 EA Same Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing62.80
 02 82 13 00-0006 EA 48 Hours Or Longer Turnaround, (Bulk) TEM Test, Asbestos Testing.....108.16
 02 82 13 00-0007 EA Next Day Turnaround, (Bulk) TEM Test, Asbestos Testing131.42
 02 82 13 00-0008 EA 48 Hours Or Longer Turnaround, (Air) PCM Test, Asbestos Testing.....26.75
 02 82 13 00-0009 EA Next Day Turnaround, (Air) PCM Test, Asbestos Testing.....32.56
 02 82 13 00-0010 EA Same Day Turnaround, (Air) PCM Test, Asbestos Testing.....44.19
 02 82 13 00-0011 EA 48 Hours Or Longer Turnaround, (Air Point Counting) PLM Test33.73
 02 82 13 00-0012 EA Next Day Turnaround, (Air Point Counting) PLM Test39.54
 02 82 13 00-0013 EA Same Day Turnaround, (Air Point Counting) PLM Test62.80
 02 82 13 00-0014 EA 48 Hours Or Longer Turnaround, (Air) TEM Test, Asbestos Testing108.16
 02 82 13 00-0015 EA Next Day Turnaround, (Air) TEM Test, Asbestos Testing124.44
 02 82 13 00-0016 EA Same Day Turnaround, (Air) TEM Test, Asbestos Testing173.29

02 82 16 Engineering Control of Asbestos Containing Materials (02 82)**02 82 16 00-0001 Asbestos Encapsulation (Lock-Down) (02 82 16)**

02 82 16 00-0002 SF Asbestos Encapsulant Spray Adhesive (Lock-Down), Per Coat1.17



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 16 00-0003 SF Asbestos Binding Compound Encapsulant/Sealant, Per Coat Required (Fiberlock® ABC® Asbestos Binding Compound).....	1.56	
02 82 16 00-0004 SF Asbestos Fiberspray Encapsulation (Fiberlock® ABC Fiberspray®).....	1.61	
02 82 16 00-0005 SF Asbestos Acrylic Encasement/Encapsulation (Fiberlock® Lag-Kote®).....	1.82	
02 82 16 00-0006 SF Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kwik®).....	5.18	
02 82 16 00-0007 SF Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kloth®).....	5.79	
02 82 33 Removal and Disposal of Asbestos Containing Materials (02 82)		
02 82 33 00-0001 Pipe And Pipe Fittings Insulation, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0002 Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0001) Note: Diameter is outer size of insulation. Treat fittings as additional linear feet of insulation.		
02 82 33 00-0003 Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002) See CSI section 02 82 33 00-0017 for projects with less than 10 LF.		
02 82 33 00-0004 SET Up To 20 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	529.24 156.65	
02 82 33 00-0005 LF >20 To 250 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	27.06 8.01	
02 82 33 00-0006 LF >250 To 500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	20.38 6.01	
02 82 33 00-0007 LF >500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	15.37 4.51	
02 82 33 00-0008 LF >2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	11.62 3.38	
02 82 33 00-0009 LF >10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	10.15 2.94	
02 82 33 00-0010 >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002) See CSI section 02 82 33 00-0017 for projects with less than 10 LF.		
02 82 33 00-0011 SET Up To 20 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	550.47 156.65	
02 82 33 00-0012 LF >20 To 250 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	32.12 9.21	
02 82 33 00-0013 LF >250 To 500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	24.44 6.91	
02 82 33 00-0014 LF >500 To 2,500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	18.68 5.18	
02 82 33 00-0015 LF >2,500 To 10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	14.36 3.89	
02 82 33 00-0016 LF >10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	12.68 3.38	
02 82 33 00-0017 Glove Bag Method, Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002) Note: Solid isolation barriers and plastic sheeting for containment construction (except on floor) are not required for glove bag projects unless required by local codes.		
02 82 33 00-0018 SET Glove Bag For First 3 LF Pipe Insulation, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	382.42 113.45	
02 82 33 00-0019 LF >3 To 20 LF Additional Glove Bag Work for Pipe Insulation..... <i>For Work In Restricted Working Space, Add</i>	85.44 25.21	
02 82 33 00-0020 LF >20 To 250 LF Additional Glove Bag Work for Pipe Insulation..... <i>For Work In Restricted Working Space, Add</i>	34.04 9.79	
02 82 33 00-0021 LF >250 To 500 LF Additional Glove Bag Work for Pipe Insulation..... <i>For Work In Restricted Working Space, Add</i>	25.88 7.34	
02 82 33 00-0022 LF >500 LF Additional Glove Bag Work for Pipe Insulation..... <i>For Work In Restricted Working Space, Add</i>	19.76 5.51	
02 82 33 00-0023 Thermal Insulation, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0024 Calcium Block Insulation, Asbestos Abatement And Disposal (02 82 33 00-0023)		
02 82 33 00-0025 SET Up To 10 SF, Calcium Block Insulation, Asbestos Abatement And Disposal.....	529.24	
02 82 33 00-0026 SF >10 To 500 SF, Calcium Block Insulation, Asbestos Abatement And Disposal.....	32.63	
02 82 33 00-0027 SF >500 To 2,500 SF, Calcium Block Insulation, Asbestos Abatement And Disposal.....	26.95	
02 82 33 00-0028 SF >2,500 To 10,000 SF, Calcium Block Insulation, Asbestos Abatement And Disposal.....	21.69	
02 82 33 00-0029 SF >10,000 SF, Calcium Block Insulation, Asbestos Abatement And Disposal.....	17.75	
02 82 33 00-0030 Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal (02 82 33 00-0023)		
02 82 33 00-0031 SET Up To 10 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal.....	525.71	
02 82 33 00-0032 SF >10 To 500 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal.....	28.62	
02 82 33 00-0033 SF >500 To 2,500 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal.....	22.95	
02 82 33 00-0034 SF >2,500 To 10,000 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal.....	17.69	
02 82 33 00-0035 SF >10,000 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal.....	13.74	
02 82 33 00-0036 Fibrous Glass Board Insulation, Asbestos Abatement And Disposal (02 82 33 00-0023)		

02 Existing Conditions**02 80 Facility Remediation****02 82 Asbestos Remediation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0037 SET Up To 10 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal.....	524.53	
02 82 33 00-0038 SF >10 To 500 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	25.38	
02 82 33 00-0039 SF >500 To 2,500 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	19.71	
02 82 33 00-0040 SF >2,500 To 10,000 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	14.43	
02 82 33 00-0041 SF >10,000 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	10.49	
02 82 33 00-0042 Other Thermal Insulation, Up To 3" Thickness, Asbestos Abatement And Disposal <small>(02 82 33 00-0023)</small>		
Note: e.g., duct, boiler, tank, etc.		
02 82 33 00-0043 SET Up To 25 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	531.01	
02 82 33 00-0044 SF >25 To 500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	27.06	
02 82 33 00-0045 SF >500 To 2,500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	21.38	
02 82 33 00-0046 SF >2,500 To 10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	16.12	
02 82 33 00-0047 SF >10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	12.18	
02 82 33 00-0048 Surfacing Material, Asbestos Abatement And Disposal <small>(02 82 33)</small>		
02 82 33 00-0049 Fireproofing For Small Areas, Asbestos Abatement And Disposal <small>(02 82 33 00-0048)</small>		
Note: For asbestos abatement for up to 1 SF sections to expose area for attachments. See CSI section 02 82 33 00-0051 for areas > 1 SF see CSI section.		
02 82 33 00-0050 EA Up To 1 SF, Fireproofing For Small Areas, Asbestos Abatement And Disposal	130.90	
Note: For asbestos abatement for up to 1 SF sections to expose steel area for welding attachments.		
02 82 33 00-0051 Fireproofing, Asbestos Abatement And Disposal <small>(02 82 33 00-0048)</small>		
Note: Exposed surface area, includes associated overspray.		
02 82 33 00-0052 SET Up To 25 SF, Fireproofing, Asbestos Abatement And Disposal	531.01	
02 82 33 00-0053 SF >25 To 500 SF, Fireproofing, Asbestos Abatement And Disposal	32.38	
02 82 33 00-0054 SF >500 To 2,500 SF, Fireproofing, Asbestos Abatement And Disposal	24.37	
02 82 33 00-0055 SF >2,500 To 10,000 SF, Fireproofing, Asbestos Abatement And Disposal	18.36	
02 82 33 00-0056 SF >10,000 SF, Fireproofing, Asbestos Abatement And Disposal	13.86	
02 82 33 00-0057 Acoustical Plaster, Asbestos Abatement And Disposal <small>(02 82 33 00-0048)</small>		
Note: Remove surface coat from brown coat or remove entire assembly, including lathe and finish materials.		
02 82 33 00-0058 SET Up To 25 SF, Acoustical Plaster, Asbestos Abatement And Disposal	528.07	
02 82 33 00-0059 SF >25 To 500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	13.62	
02 82 33 00-0060 SF >500 To 2,500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	10.36	
02 82 33 00-0061 SF >2,500 To 10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal	7.74	
02 82 33 00-0062 SF >10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal	5.79	
02 82 33 00-0063 Gypsum Wall Board, Asbestos Abatement And Disposal <small>(02 82 33 00-0048)</small>		
02 82 33 00-0064 SET Up To 50 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	533.96	
For Additional Layer, Add		143.60
02 82 33 00-0065 SF >50 To 500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	10.52	
For Additional Layer, Add		2.83
02 82 33 00-0066 SF >500 To 2,500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	7.74	
For Additional Layer, Add		2.06
02 82 33 00-0067 SF >2,500 To 10,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	6.11	
For Additional Layer, Add		1.61
02 82 33 00-0068 SF >10,000 To 50,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	4.81	
For Additional Layer, Add		1.26
02 82 33 00-0069 SF >50,000 To 100,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	3.83	
For Additional Layer, Add		0.99
02 82 33 00-0070 SF >100,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	3.11	
For Additional Layer, Add		0.79
02 82 33 00-0071 Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal <small>(02 82 33 00-0048)</small>		
02 82 33 00-0072 SET Up To 25 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	528.07	
02 82 33 00-0073 SF >25 To 500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	19.75	
02 82 33 00-0074 SF >500 To 2,500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	14.53	
02 82 33 00-0075 SF >2,500 To 10,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	11.40	
02 82 33 00-0076 SF >10,000 To 50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	8.92	
02 82 33 00-0077 SF >50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	6.44	
02 82 33 00-0078 Stucco, Asbestos Abatement And Disposal <small>(02 82 33 00-0048)</small>		
02 82 33 00-0079 SET Up To 50 SF, Stucco, Asbestos Abatement And Disposal	533.96	
02 82 33 00-0080 SF >50 To 500 SF, Stucco, Asbestos Abatement And Disposal	22.94	
02 82 33 00-0081 SF >500 To 2,500 SF, Stucco, Asbestos Abatement And Disposal	17.26	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0082	SF		>2,500 To 10,000 SF, Stucco, Asbestos Abatement And Disposal	13.01	
02 82 33 00-0083	SF		>10,000 SF, Stucco, Asbestos Abatement And Disposal	9.81	
02 82 33 00-0084 Spray On Acoustical Ceiling, Asbestos Abatement And Disposal (02 82 33 00-0048)					
02 82 33 00-0085	SET		Up To 50 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	533.96	
02 82 33 00-0086	SF		>50 To 500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	8.95	
02 82 33 00-0087	SF		>500 To 2,500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal.....	7.00	
02 82 33 00-0088	SF		>2,500 To 10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal.....	5.14	
02 82 33 00-0089	SF		>10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal.....	3.91	
02 82 33 00-0090 Plywood, Asbestos Abatement And Disposal (02 82 33 00-0048)					
02 82 33 00-0091	SET		Up To 40 SF, Plywood, Asbestos Abatement And Disposal	531.60	
02 82 33 00-0092	SF		>50 To 500 SF, Plywood, Asbestos Abatement And Disposal	11.34	
02 82 33 00-0093	SF		>500 To 2,500 SF, Plywood, Asbestos Abatement And Disposal	5.58	
02 82 33 00-0094	SF		>2,500 To 10,000 SF, Plywood, Asbestos Abatement And Disposal	3.84	
02 82 33 00-0095	SF		>10,000 SF, Plywood, Asbestos Abatement And Disposal.....	3.31	
02 82 33 00-0096 Flooring Material, Asbestos Abatement And Disposal (02 82 33)					
02 82 33 00-0097 Floor Tile, Linoleum, Carpet Or Base, Asbestos Abatement And Disposal (02 82 33 00-0096)					
02 82 33 00-0098 Floor Tile Or Linoleum, Asbestos Abatement And Disposal (02 82 33 00-0097)					
Note: Single layer or first of multiple layers. Excludes mastic.					
02 82 33 00-0099	SET		Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal.....	524.53	
02 82 33 00-0100	SF		>100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal.....	5.58	
For Each Additional Layer, Add				1.40	
02 82 33 00-0101	SF		>500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal.....	4.58	
For Each Additional Layer, Add				1.15	
02 82 33 00-0102	SF		>2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal.....	3.67	
For Each Additional Layer, Add				0.92	
02 82 33 00-0103	SF		>10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal	2.56	
For Each Additional Layer, Add				0.64	
02 82 33 00-0104 Carpet, Asbestos Abatement And Disposal (02 82 33 00-0097)					
02 82 33 00-0105	SET		Up To 100 SF, Non-Friable Carpet, Asbestos Abatement And Disposal	524.53	
02 82 33 00-0106	SF		>100 To 500 SF, Non-Friable Carpet, Asbestos Abatement And Disposal.....	4.38	
02 82 33 00-0107	SF		>500 To 2,500 SF, Non-Friable Carpet, Asbestos Abatement And Disposal.....	3.55	
02 82 33 00-0108	SF		>2,500 To 10,000 SF, Non-Friable Carpet, Asbestos Abatement And Disposal.....	2.62	
02 82 33 00-0109	SF		>10,000 SF, Non-Friable Carpet, Asbestos Abatement And Disposal.....	2.01	
02 82 33 00-0110 Wall Or Cove Base, Asbestos Abatement And Disposal (02 82 33 00-0097)					
Note: Up to 12'.					
02 82 33 00-0111	SET		Up To 25 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	198.76	
02 82 33 00-0112	LF		>25 To 100 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	3.60	
02 82 33 00-0113	LF		>100 To 500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	2.21	
02 82 33 00-0114	LF		>500 To 2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	1.43	
02 82 33 00-0115	LF		>2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	1.03	
02 82 33 00-0116 Mastic, Asbestos Abatement And Disposal (02 82 33 00-0096)					
Note: Applies to single layer or bottom layer only of multiple layers. Non hydrocarbon with pine, citrus or no odor.					
02 82 33 00-0117	SET		Up To 100 SF, Mastic, Asbestos Abatement And Disposal	528.07	
Note: Applies to bottom layer only if multiple layers.					
02 82 33 00-0118	SF		>100 To 500 SF, Mastic, Asbestos Abatement And Disposal.....	2.01	
Note: Applies to bottom layer only if multiple layers.					
02 82 33 00-0119	SF		>500 To 2,500 SF, Mastic, Asbestos Abatement And Disposal.....	1.50	
Note: Applies to bottom layer only if multiple layers.					
02 82 33 00-0120	SF		>2,500 To 10,000 SF, Mastic, Asbestos Abatement And Disposal.....	1.16	
Note: Applies to bottom layer only if multiple layers.					
02 82 33 00-0121	SF		>10,000 SF, Mastic, Asbestos Abatement And Disposal.....	0.94	
Note: Applies to bottom layer only if multiple layers.					
02 82 33 00-0122 Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal (02 82 33 00-0096)					
Note: Includes finish wood, asbestos barrier paper, cleanup of sub-wood floor, fasteners, wood fillers and protection of clean crawl space from contamination.					
02 82 33 00-0123	SET		Up To 100 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	545.76	
02 82 33 00-0124	SF		>100 To 500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	6.40	
02 82 33 00-0125	SF		>500 To 2,500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	4.74	

02 Existing Conditions**02 80 Facility Remediation****02 82 Asbestos Remediation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0126 SF >2,500 To 10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	3.77	
02 82 33 00-0127 SF >10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	2.98	
02 82 33 00-0128 Roofing, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0129 Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0128) Note: Includes roofing, flashing, sheet metal, insulation, pitch pockets, board etc.		
02 82 33 00-0130 Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0129)		
02 82 33 00-0131 SET Up To 125 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	682.20	
02 82 33 00-0132 SF >125 To 1,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	5.25	
02 82 33 00-0133 SF >1,000 To 5,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	4.25	
02 82 33 00-0134 SF >5,000 To 10,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	3.45	
02 82 33 00-0135 SF >10,000 To 20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	2.64	
02 82 33 00-0136 SF >20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	2.04	
02 82 33 00-0137 >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0129)		
02 82 33 00-0138 SET Up To 110 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	704.60	
02 82 33 00-0139 SF >110 To 1,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	6.17	
02 82 33 00-0140 SF >1,000 To 5,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	5.02	
02 82 33 00-0141 SF >5,000 To 10,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	4.14	
02 82 33 00-0142 SF >10,000 To 20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	3.21	
02 82 33 00-0143 SF >20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	2.52	
02 82 33 00-0144 >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0129)		
02 82 33 00-0145 SET Up To 110 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	730.54	
02 82 33 00-0146 SF >110 To 1,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	7.05	
02 82 33 00-0147 SF >1,000 To 5,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	5.76	
02 82 33 00-0148 SF >5,000 To 10,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	4.77	
02 82 33 00-0149 SF >10,000 To 20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	3.75	
02 82 33 00-0150 SF >20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	2.98	
02 82 33 00-0151 Shingles And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0128)		
02 82 33 00-0152 Shingles And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0151)		
02 82 33 00-0153 SET Up To 125 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal	660.09	
Note: Single or first of multiple layers.		
02 82 33 00-0154 SF >125 To 1,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal	5.07	
Note: Single or first of multiple layers.		
For Each Additional Layer, Add	1.27	
02 82 33 00-0155 SF >1,000 To 5,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....	4.07	
Note: Single or first of multiple layers.		
For Each Additional Layer, Add	1.02	
02 82 33 00-0156 SF >5,000 To 10,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....	3.27	
Note: Single or first of multiple layers.		
For Each Additional Layer, Add	0.82	
02 82 33 00-0157 SF >10,000 To 20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal	2.46	
Note: Single or first of multiple layers.		
For Each Additional Layer, Add	0.62	
02 82 33 00-0158 SF >20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal	1.86	
Note: Single or first of multiple layers.		
For Each Additional Layer, Add	0.47	
02 82 33 00-0159 Roof Penetration Mastic, Asbestos Abatement And Disposal (02 82 33 00-0128)		
02 82 33 00-0160 SET Up To 10 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	163.77	
02 82 33 00-0161 SF >10 To 50 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	2.02	
02 82 33 00-0162 SF >50 To 100 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	1.67	
02 82 33 00-0163 SF >100 To 250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	1.36	
02 82 33 00-0164 SF >250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	1.00	
02 82 33 00-0165 Roof Curb Mastic, Asbestos Abatement And Disposal (02 82 33 00-0128)		
02 82 33 00-0166 SET Up To 10 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	163.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0167 LF >10 To 20 LF, Roof Curb Mastic, Asbestos Abatement And Disposal.....	5.93	
02 82 33 00-0168 LF >20 To 50 LF, Roof Curb Mastic, Asbestos Abatement And Disposal.....	4.76	
02 82 33 00-0169 LF >50 To 150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal.....	3.97	
02 82 33 00-0170 LF >150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal.....	2.88	
02 82 33 00-0171 Asbestos-Cement Products, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0172 Interior Asbestos-Cement Board, Asbestos Abatement And Disposal (02 82 33 00-0171)		
Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0173 SET Up To 100 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	533.96	
Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0174 SF >100 To 500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	5.46	
Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0175 SF >500 To 2,500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	2.79	
Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0176 SF >2,500 To 10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	2.25	
Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0177 SF >10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	1.97	
Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0178 Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal (02 82 33 00-0171)		
02 82 33 00-0179 SET Up To 100 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	533.96	
02 82 33 00-0180 SF >100 To 500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	4.75	
02 82 33 00-0181 SF >500 To 2,500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	2.49	
02 82 33 00-0182 SF >2,500 To 10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	2.02	
02 82 33 00-0183 SF >10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	1.77	
02 82 33 00-0184 Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal (02 82 33 00-0171)		
02 82 33 00-0185 SET Up To 10 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	405.79	
02 82 33 00-0186 LF >10 To 100 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	28.12	
02 82 33 00-0187 LF >100 To 250 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	21.44	
02 82 33 00-0188 LF >250 To 500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	16.43	
02 82 33 00-0189 LF >500 To 2,500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	12.68	
02 82 33 00-0190 LF >2,500 To 10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	9.86	
02 82 33 00-0191 LF >10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	9.66	
02 82 33 00-0192 Exterior Transite Siding, Asbestos Abatement And Disposal (02 82 33 00-0171)		
02 82 33 00-0193 SET Up To 125 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	542.15	
Note: Single or first of multiple layers.		
02 82 33 00-0194 SF >125 To 1,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	4.29	
Note: Single or first of multiple layers.		
02 82 33 00-0195 SF >1,000 To 5,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	3.45	
Note: Single or first of multiple layers.		
02 82 33 00-0196 SF >5,000 To 10,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	2.79	
Note: Single or first of multiple layers.		
02 82 33 00-0197 SF >10,000 To 20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	2.12	
Note: Single or first of multiple layers.		
02 82 33 00-0198 SF >20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	1.62	
Note: Single or first of multiple layers.		
02 82 33 00-0199 Asbestos Contaminated Debris, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0200 Asbestos Contaminated Debris, Asbestos Abatement And Disposal (02 82 33 00-0199)		
02 82 33 00-0201 SET Up To 10 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	536.32	
<i>For Work In Restricted Working Space, Add</i>		
	156.65	
02 82 33 00-0202 CF >10 To 100 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	53.33	
<i>For Work In Restricted Working Space, Add</i>		
	15.58	
02 82 33 00-0203 CF >100 To 250 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	36.03	
<i>For Work In Restricted Working Space, Add</i>		
	10.39	
02 82 33 00-0204 CF >250 To 500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	27.41	
<i>For Work In Restricted Working Space, Add</i>		
	7.80	
02 82 33 00-0205 CF >500 To 2,500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	22.18	
<i>For Work In Restricted Working Space, Add</i>		
	6.23	
02 82 33 00-0206 CF >2,500 To 10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	19.07	
<i>For Work In Restricted Working Space, Add</i>		
	5.30	
02 82 33 00-0207 CF >10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	17.30	
<i>For Work In Restricted Working Space, Add</i>		
	4.77	
02 82 33 00-0208 Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal (02 82 33 00-0199)		
02 82 33 00-0209 SET Up To 4 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	418.81	
02 82 33 00-0210 EA >4 To 40 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	53.52	
02 82 33 00-0211 EA >40 To 60 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	37.94	
02 82 33 00-0212 EA >60 To 125 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	30.19	

02 Existing Conditions**02 80 Facility Remediation****02 82 Asbestos Remediation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	02 82 33 00-0213	EA	>125 To 625 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	25.49	
	02 82 33 00-0214	EA	>625 To 1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	22.68	
	02 82 33 00-0215	EA	>1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	21.08	
	02 82 33 00-0216		Other Asbestos Containing Materials, Asbestos Abatement And Disposal <small>(02 82 33 00-0216)</small>		
	02 82 33 00-0217		30" To 36" Fire Door, Asbestos Abatement And Disposal <small>(02 82 33 00-0216)</small>		
	02 82 33 00-0218	SET	Up To 1 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal.....	267.46	
	02 82 33 00-0219	EA	>1 To 20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	100.36	
	02 82 33 00-0220	EA	>20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	90.97	
	02 82 33 00-0221		HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal <small>(02 82 33 00-0216)</small>		
	02 82 33 00-0222	SET	Up To 10 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	196.10	
	02 82 33 00-0223	LF	>10 To 50 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	5.37	
	02 82 33 00-0224	LF	>50 To 100 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	4.04	
	02 82 33 00-0225	LF	>100 To 250 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	3.47	
	02 82 33 00-0226	LF	>250 To 1,000 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	2.99	
	02 82 33 00-0227	LF	>1,000 To 2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	2.57	
	02 82 33 00-0228	LF	>2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	2.22	
	02 82 33 00-0229		Grout, Asbestos Abatement And Disposal <small>(02 82 33 00-0216)</small>		
			Note: e.g. flue grout.		
	02 82 33 00-0230	SET	Up To 10 LF, Grout, Asbestos Abatement And Disposal.....	130.75	
	02 82 33 00-0231	LF	>10 To 50 LF, Grout, Asbestos Abatement And Disposal.....	10.30	
	02 82 33 00-0232	LF	>50 To 100 LF, Grout, Asbestos Abatement And Disposal.....	7.10	
	02 82 33 00-0233	LF	>100 To 250 LF, Grout, Asbestos Abatement And Disposal.....	6.08	
	02 82 33 00-0234	LF	>250 To 1,000 LF, Grout, Asbestos Abatement And Disposal.....	5.23	
	02 82 33 00-0235	LF	>1,000 To 2,500 LF, Grout, Asbestos Abatement And Disposal.....	4.50	
	02 82 33 00-0236	LF	>2,500 LF, Grout, Asbestos Abatement And Disposal.....	3.87	
	02 82 33 00-0237		Gaskets, Asbestos Abatement And Disposal <small>(02 82 33 00-0216)</small>		
			Note: e.g. rope, web cloth, flat.		
	02 82 33 00-0238	SET	Up To 10 LF, Gaskets, Asbestos Abatement And Disposal.....	196.10	
	02 82 33 00-0239	LF	>10 To 50 LF, Gaskets, Asbestos Abatement And Disposal	13.88	
	02 82 33 00-0240	LF	>50 To 250 LF, Gaskets, Asbestos Abatement And Disposal	10.42	
	02 82 33 00-0241	LF	>250 To 500 LF, Gaskets, Asbestos Abatement And Disposal	8.87	
	02 82 33 00-0242	LF	>500 To 1,500 LF, Gaskets, Asbestos Abatement And Disposal	8.00	
	02 82 33 00-0243	LF	>1,500 To 2,500 LF, Gaskets, Asbestos Abatement And Disposal	7.18	
	02 82 33 00-0244	LF	>2,500 LF, Gaskets, Asbestos Abatement And Disposal.....	6.84	
	02 82 33 00-0245		Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal <small>(02 82 33 00-0216)</small>		
			Note: e.g. grid, spline, or glued on; 12" x 12" to 2' x 4'.		
	02 82 33 00-0246	SET	Up To 50 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal.....	528.06	
	02 82 33 00-0247	SF	>50 To 1,000 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal.....	11.22	
	02 82 33 00-0248	SF	>1,000 To 2,500 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal.....	5.46	
	02 82 33 00-0249	SF	>2,500 To 10,000 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal.....	3.72	
	02 82 33 00-0250	SF	>10,000 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal.....	3.19	
	02 82 33 00-0251		Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal <small>(02 82 33 00-0216)</small>		
			Note: Includes ceiling tile, asbestos barrier paper, and furring strips.		
	02 82 33 00-0252	SET	Up To 50 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	525.35	
	02 82 33 00-0253	SF	>50 To 1,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	11.22	
	02 82 33 00-0254	SF	>1,000 To 2,500 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	5.46	
	02 82 33 00-0255	SF	>2,500 To 10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	3.72	
	02 82 33 00-0256	SF	>10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	3.19	
	02 82 33 00-0257		Caulking, Asbestos Abatement And Disposal <small>(02 82 33 00-0216)</small>		
	02 82 33 00-0258		Non Friable Caulking, Asbestos Abatement And Disposal <small>(02 82 33 00-0257)</small>		
	02 82 33 00-0259	SET	Up To 10 LF, Non Friable Asbestos Or Polychlorinated Biphenyl (PCB) Contaminated Caulking, Asbestos Abatement And Disposal	130.75	
	02 82 33 00-0260	LF	>10 To 50 LF, Non Friable Asbestos Or Polychlorinated Biphenyl (PCB) Contaminated Caulking, Asbestos Abatement And Disposal	7.72	
	02 82 33 00-0261	LF	>50 To 100 LF, Non Friable Asbestos Or Polychlorinated Biphenyl (PCB) Contaminated Caulking, Asbestos Abatement And Disposal	5.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0262 LF >100 To 250 LF, Non Friable Asbestos Or Polychlorinated Biphenyl (PCB) Contaminated Caulking, Asbestos Abatement And Disposal	4.06	
02 82 33 00-0263 LF >250 To 1,000 LF, Non Friable Asbestos Or Polychlorinated Biphenyl (PCB) Contaminated Caulking, Asbestos Abatement And Disposal	3.05	
02 82 33 00-0264 LF >1,000 To 2,500 LF, Non Friable Asbestos Or Polychlorinated Biphenyl (PCB) Contaminated Caulking, Asbestos Abatement And Disposal	2.42	
02 82 33 00-0265 LF >2,500 LF, Non Friable Asbestos Or Polychlorinated Biphenyl (PCB) Contaminated Caulking, Asbestos Abatement And Disposal	2.10	

02 83 Lead Remediation (02 80)

Note: Tasks include materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete removal and disposal of lead contaminated materials in accordance with EPA and local regulations. Where types of Lead are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. See CSI section 01 56 16 00-0031 for temporary stud walls, 01 74 19 00-0036 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0008 for plastic sheeting for containment construction, 02 89 00 00-0015 for decontamination chambers.

02 83 19 Lead-Based Paint Remediation (02 83)

02 83 19 13 Lead-Based Paint Abatement (02 83 19)

02 83 19 13-0001 Lead Sampling And Testing (02 83 19 13)

Note: Includes taking sample, delivery to lab and lab fee.

02 83 19 13-0002 EA X-Ray Fluorescence (XRF) Lead Testing Including Technician, 3 Readings Per Surface And Lab Fee	40.09
02 83 19 13-0003 EA Toxicity Characteristic Leaching Procedure (TCLP) Lead Test (5 Day Turnaround) And Lab Fee	38.38
02 83 19 13-0004 EA Toxicity Characteristic Leaching Procedure (TCLP) Lead Test (48 Hour Turnaround) And Lab Fee	58.15
02 83 19 13-0005 EA Toxicity Characteristic Leaching Procedure (TCLP) Lead Test (24 Hour Turnaround) And Lab Fee	81.41
02 83 19 13-0006 EA Total Threshold Leaching Concentration (TTL) Lead Test (5 Day Turnaround) And Lab Fee	15.12
02 83 19 13-0007 EA Total Threshold Leaching Concentration (TTL) Lead Test (24 Hour Turnaround) And Lab Fee	23.26
02 83 19 13-0008 EA Total Threshold Leaching Concentration (TTL) Lead Test (8 Hour Turnaround) And Lab Fee	29.08
02 83 19 13-0009 EA Soluble Threshold Limit Concentration (STLC) Lead Test (5 Day Turnaround) And Lab Fee	38.38
02 83 19 13-0010 EA Soluble Threshold Limit Concentration (STLC) Lead Test (3 Day Turnaround) And Lab Fee	58.15
02 83 19 13-0011 EA Lead Wipe Samples (5 Day Turnaround) And Lab Fee	6.40
02 83 19 13-0012 EA Lead Wipe Samples (24 Hour Turnaround) And Lab Fee	8.72
02 83 19 13-0013 EA Lead Wipe Samples (8 Hour Turnaround) And Lab Fee	12.79
02 83 19 13-0014 EA Lead Air Samples (5 Day Turn -Around) And Lab Fee	6.40
02 83 19 13-0015 EA Lead Air Samples (24 Hour Turnaround) And Lab Fee	8.72
02 83 19 13-0016 EA Lead Air Samples (8 Hour Turnaround) And Lab Fee	12.79
02 83 19 13-0017 EA Lead Water Test (5 Day Turnaround) and Lab Fee	23.26
02 83 19 13-0018 EA Lead Water Test (24 Hour Turnaround) and Lab Fee	34.89
02 83 19 13-0019 EA Lead Water Test (8 Hour Turnaround) and Lab Fee	46.52
02 83 19 13-0020 EA Lead Paint Chip Test (5 Day Turnaround) and Lab Fee	24.06
02 83 19 13-0021 EA Lead Soil Test (5 Day Turnaround) and Lab Fee	48.11

02 83 19 13-0022 Minimum Charge For Lead-Based Paint Remediation (02 83 19 13)

02 83 19 13-0023 EA Lead-Based Paint Remediation Minimum Show Up Charge	842.92
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Note: For projects where the total lead-based paint remediation charge is less than the minimum charge, use task "Minimum Charge For Lead-Based Paint Remediation" exclusively. Task "Minimum Charge For Lead-Based Paint Remediation" should not be used in conjunction with any other tasks in this section. Includes air sample and personal air monitoring.

02 83 19 13-0024 Chemical Stripping Of Lead Contaminated Material (02 83 19 13)

Note: Per 0.02" (20 mils) application. Manufacture recommended operating temperatures not to be below 50 degrees. Includes heat gun (where required) for follow up, waste handling, packing and all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.

02 83 19 13-0025 SF Balustrades, Chemical Stripping Of Lead Contaminated Material	27.03
02 83 19 13-0026 SF Balustrades, Ornate, Chemical Stripping Of Lead Contaminated Material	40.07
02 83 19 13-0027 LF Up To 6" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material	11.61
02 83 19 13-0028 LF >6" To 12" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material	23.69
02 83 19 13-0029 SF Cornice, Chemical Stripping Of Lead Contaminated Material	12.64
02 83 19 13-0030 SF Cornice, Ornate, Chemical Stripping Of Lead Contaminated Material	35.73
02 83 19 13-0031 SF Brick, Concrete Block, Concrete, Chemical Stripping Of Lead Contaminated Material	7.79
02 83 19 13-0032 SF Cabinets, Chemical Stripping Of Lead Contaminated Material	22.59
02 83 19 13-0033 SF Cabinets, Ornate, Chemical Stripping Of Lead Contaminated Material	28.79
02 83 19 13-0034 SF Plaster, Stucco and Drywall Surfaces, Chemical Stripping Of Lead Contaminated Material	10.74
02 83 19 13-0035 SF Columns, Chemical Stripping Of Lead Contaminated Material	10.33
02 83 19 13-0036 SF Flush Doors, One Side, Chemical Stripping Of Lead Contaminated Material	9.10
02 83 19 13-0037 SF Raised Panel Doors and Decorative Doors, Chemical Stripping Of Lead Contaminated Material	9.49
02 83 19 13-0038 SF Sectional Panel Or Roll-Up Doors, Chemical Stripping Of Lead Contaminated	16.46
02 83 19 13-0039 EA Electrical Devices, Chemical Stripping Of Lead Contaminated Material	47.02
02 83 19 13-0040 LF Door Frames, Chemical Stripping Of Lead Contaminated Material	11.68
02 83 19 13-0041 SF Wood Floors, Chemical Stripping Of Lead Contaminated Material	6.42
02 83 19 13-0042 SF HVAC Grilles, Chemical Stripping Of Lead Contaminated Material	24.14
02 83 19 13-0043 SF HVAC Grilles, Ornate, Chemical Stripping Of Lead Contaminated Material	28.79
02 83 19 13-0044 EA Hinges, Chemical Stripping Of Lead Contaminated Material	15.14
02 83 19 13-0045 EA Up To 6" Diameter Hangers, Chemical Stripping Of Lead Contaminated Material	18.65
02 83 19 13-0046 LF Up To 2" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	5.21
02 83 19 13-0047 LF >2" To 4" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	8.36

02 Existing Conditions**02 80 Facility Remediation****02 83 Lead Remediation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 83 19 13-0048	LF	>4" To 8" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	14.95
02 83 19 13-0049	LF	>8" To 12" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material.....	20.49
02 83 19 13-0050	LF	>12" To 16" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material.....	36.74
02 83 19 13-0051	SF	>16" Diameter Pipes, Chemical Stripping Of Lead Contaminated Material, SF Of Surface Area	10.97
02 83 19 13-0052	EA	Up To 12 SF Radiators, Chemical Stripping Of Lead Contaminated Material.....	218.12
02 83 19 13-0053	SF	Flat And Raised Panel Wood Shutters, Chemical Stripping Of Lead Contaminated Material	15.33
02 83 19 13-0054	SF	Louvered Wood Shutters, Chemical Stripping Of Lead Contaminated Material.....	16.77
02 83 19 13-0055	SF	Siding, Chemical Stripping Of Lead Contaminated Material	8.74
02 83 19 13-0056	SF	Soffit, Chemical Stripping Of Lead Contaminated Material.....	18.28
02 83 19 13-0057	SF	Flat Steel Surfaces, Chemical Stripping Of Lead Contaminated Material	8.42
02 83 19 13-0058	SF	Corrugated Steel, Chemical Stripping Of Lead Contaminated Material	9.55
02 83 19 13-0059	SF	Steel Beams and Columns, Chemical Stripping Of Lead Contaminated Material.....	9.53
02 83 19 13-0060	SF	Trusses, Chemical Stripping Of Lead Contaminated Material	13.50
02 83 19 13-0061	SF	Wood Surfaces, Chemical Stripping Of Lead Contaminated Material.....	9.53
02 83 19 13-0062	SF	Windows, One Side, 1/1 Light, Chemical Stripping Of Lead Contaminated Material	21.93
02 83 19 13-0063	SF	Windows, One Side, 2/2 Light, Chemical Stripping Of Lead Contaminated Material	24.00
02 83 19 13-0064	SF	Windows, One Side, 10/10 Light, Chemical Stripping Of Lead Contaminated Material	25.40
02 83 19 13-0065	SF	Windows, One Side, 4/4 Light, Chemical Stripping Of Lead Contaminated Material	26.81
02 83 19 13-0066	SF	Windows, One Side, 6/6 Light, Chemical Stripping Of Lead Contaminated Material	26.81
02 83 19 13-0066	SF	Windows, One Side, 8/8 Light Chemical Stripping Of Lead Contaminated Material	28.20
02 83 19 13-0067	SF	Windows, One Side, 10/10 Light, Chemical Stripping Of Lead Contaminated Material	29.66
02 83 19 13-0068	SF	Windows, One Side, 12/12 light Chemical Stripping Of Lead Contaminated Material	31.02
02 83 19 13-0069	SF	Windows, One Side, 14/14 Light, Chemical Stripping Of Lead Contaminated Material	31.73
02 83 19 13-0070	SF	Windows, One Side, 16/16 Light Chemical Stripping Of Lead Contaminated Material	32.44
02 83 19 13-0071	SF	Windows, One Side, 20/20 Light, Chemical Stripping Of Lead Contaminated Material	33.12
02 83 19 13-0072	SF	Metal Stairs, Chemical Stripping Of Lead Contaminated Material	43.78
02 83 19 13-0073	LF	Metal Single Hand Rail, Chemical Stripping Of Lead Contaminated Material.....	7.60
02 83 19 13-0074	SF	Metal Railing And Posts, Chemical Stripping Of Lead Contaminated Material	22.27
Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing.			
02 83 19 13-0075	SF	Metal Picket Fence, Chemical Stripping Of Lead Contaminated Material.....	24.33

02 83 19 13-0076**Demolish Lead Contaminated Material** (02 83 19 13)

Note: Includes waste handling, packing, all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.

02 83 19 13-0077	SF	Demolish Ceiling Suspension System, Lead Contaminated Material.....	1.93
02 83 19 13-0078	SF	Demolish Suspended Ceiling System And Tile, Lead Contaminated Material	1.12
02 83 19 13-0079	SF	Demolish Acoustical Ceiling Tile, Lead Contaminated Material	0.71
02 83 19 13-0080	SF	Demolish Metal Pan Grid System, Lead Contaminated Material	1.11
02 83 19 13-0081	EA	Demolish Ceiling And Recessed Light Fixtures, Lead Contaminated Material	53.64
02 83 19 13-0082	EA	Demolish >2' x 4' Light Fixtures, Lead Contaminated Material	71.16
02 83 19 13-0083	SF	Demolish Non Load Bearing Partitions Of Plaster Or Stucco, Lath And Studs, Lead Contaminated Material	7.94
02 83 19 13-0084	SF	Demolish Non Load Bearing Partitions Of Gypsum Board And Studs, Lead Contaminated Material	4.45
02 83 19 13-0085	SF	Demolish Brick, Lead Contaminated Material	3.35
02 83 19 13-0086	SF	Demolish Concrete Block, Lead Contaminated Material	4.31
02 83 19 13-0087	SF	Demolish Tile, Lead Contaminated Material	3.25
02 83 19 13-0088	SF	Removal Of Lead Paint On Brick Or Concrete Block, Lead Contaminated Material	4.89
02 83 19 13-0089	IN	Drilling, Up To 1/2" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth	3.77
02 83 19 13-0090	IN	Drilling, >1/2" To 1" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth.....	5.02
02 83 19 13-0091	LF	Demolish Wood Balustrades And Railings, Lead Contaminated Material.....	5.56
02 83 19 13-0092	LF	Demolish Up To 6" Wide Baseboard, Lead Contaminated Material.....	1.44
02 83 19 13-0093	LF	Demolish >6" To 12" Wide Baseboard, Lead Contaminated Material	1.81
02 83 19 13-0094	LF	Demolish Base Shoe Molding, Lead Contaminated Material	1.18
02 83 19 13-0095	SF	Demolish Concrete, Lead Contaminated Material	11.06
02 83 19 13-0096	LF	Demolish Cabinets, Lead Contaminated Material.....	25.78
02 83 19 13-0097	SF	Demolish Ceilings, Gypsum Board, Lead Contaminated Material	1.45
02 83 19 13-0098	SF	Demolish Up To 12" Diameter Columns, Lead Contaminated Material	14.28
02 83 19 13-0099	SF	Demolish Cornice, Lead Contaminated Material.....	1.89
02 83 19 13-0100	EA	Demolish Doors, Lead Contaminated Material	55.91
02 83 19 13-0101	LF	Demolish Door And Window Trim Or Frames, Lead Contaminated Material	1.70
02 83 19 13-0102	EA	Demolish Electrical Devices, Lead Contaminated Material.....	17.15
02 83 19 13-0103	LF	Demolish Up To 1" Diameter Electrical Conduit, Lead Contaminated Material.....	2.21
02 83 19 13-0104	LF	Demolish >1" To 2" Diameter Electrical Conduit, Lead Contaminated Material	3.66
02 83 19 13-0105	SF	Demolish Wood Floors, Lead Contaminated Material.....	2.64
02 83 19 13-0106	SF	Demolish Grilles, Lead Contaminated Material	3.11
02 83 19 13-0107	EA	Demolish Hinges, Lead Contaminated Material.....	6.24
02 83 19 13-0108	EA	Demolish Up To 6" Diameter Hangers, Lead Contaminated Material	13.40
02 83 19 13-0109	LF	Demolish Up To 2" Diameter Pipes, Lead Contaminated Material.....	5.49
02 83 19 13-0110	LF	Demolish >2" To 4" Diameter Pipes, Lead Contaminated Material.....	8.02
02 83 19 13-0111	LF	Demolish >4" To 8" Diameter Pipes, Lead Contaminated Material.....	12.11
02 83 19 13-0112	LF	Demolish >8" To 12" Diameter Pipes, Lead Contaminated Material	22.34
02 83 19 13-0113	EA	Demolish Radiators, Lead Contaminated Material.....	96.50
02 83 19 13-0114	EA	Demolish Shutters, Lead Contaminated Material.....	37.60
02 83 19 13-0115	SF	Demolish Siding, Lead Contaminated Material	1.50
02 83 19 13-0116	SF	Demolish Soffit, Lead Contaminated Material	1.27
02 83 19 13-0117	SF	Demolish Flat Steel Surfaces, Lead Contaminated Material	3.47
02 83 19 13-0118	SF	Demolish Steel Beams, Lead Contaminated Material	4.09
02 83 19 13-0119	SF	Demolish Trusses, Lead Contaminated Material	5.37
02 83 19 13-0120	SF	Demolish Walls, Wood, Lead Contaminated Material.....	3.97
02 83 19 13-0121	SF	Demolish Windows, Lead Contaminated Material.....	13.35
02 83 19 13-0122	SF	Demolish Metal Stair, Lead Contaminated Material	6.39



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0123 LF Demolish Single Metal Hand Rail, Lead Contaminated Material.....	4.70	
02 83 19 13-0124 LF Demolish Metal Railing And Posts, Lead Contaminated Material.....	7.67	
02 83 19 13-0125 SF Demolish Metal Picket Fence, Lead Contaminated Material.....	2.11	
02 83 19 13-0126 SF Demolish Plywood, Lead Contaminated Material.....	5.77	
02 83 19 13-0127 SF Demolish Planks (Various Sizes), Lead Contaminated Material.....	2.82	
02 83 19 13-0128 EA Demolish Metal Brackets Or Other Small Metal Shapes, Lead Contaminated Material.....	17.61	
02 83 19 13-0129 SF Demolish Ceramic Tile Block, Lead Contaminated Material.....	3.84	
02 83 19 13-0130 LF Demolish Metal Guard Rails, Lead Contaminated Material.....	10.57	
02 83 19 13-0131 LF Demolish Roof Metal Trim, Lead Contaminated Material.....	2.25	
02 83 19 13-0132 LF Demolish Rain Gutters, Lead Contaminated Material.....	3.87	
02 83 19 13-0133 LF Demolish Downspouts, Lead Contaminated Material.....	3.17	
02 83 19 13-0134 LF Demolish Roof Metal Flashing, Lead Contaminated Material.....	2.25	
02 83 19 13-0135 LF Demolish Fascia Board Up To 12", Lead Contaminated Material.....	5.63	
02 83 19 13-0136 SF Demolish Up To 100 SF Gypsum Wall Board, Lead Contaminated Material.....	5.63	
02 83 19 13-0137 SF Demolish >100 To 500 SF Gypsum Wall Board, Lead Contaminated Material.....	4.05	
02 83 19 13-0138 SF Demolish >500 To 2,500 SF Gypsum Wall Board, Lead Contaminated Material.....	3.17	
02 83 19 13-0139 SF Demolish >2,500 SF Gypsum Wall Board, Lead Contaminated Material.....	2.47	
02 83 19 13-0140 SF Demolish Up To 100 SF Plaster/Stucco, Lead Contaminated Material.....	17.61	
02 83 19 13-0141 SF Demolish >100 To 500 SF Plaster/Stucco, Lead Contaminated Material.....	12.53	
02 83 19 13-0142 SF Demolish >500 To 2,500 SF Plaster/Stucco, Lead Contaminated Material.....	9.39	
02 83 19 13-0143 SF Demolish >2,500 To 10,000 SF Plaster/Stucco, Lead Contaminated Material.....	7.04	
02 83 19 13-0144 Wet Sanding Of Lead Contaminated Material (02 83 19 13)		
02 83 19 13-0145 SF Wet Sand/Scrape Of Lead Contaminated Material For Prep Before New Paint.....	1.53	
02 83 19 13-0146 Lead Abatement Encapsulation (02 83 19 13)		
Note: Can also be used for asbestos contaminated encapsulation. Spray applied application unless task described otherwise.		
02 83 19 13-0147 SF Balustrades, Lead Abatement Encapsulation.....	4.72	
02 83 19 13-0148 LF Up To 6" Wide, Baseboard, Lead Abatement Encapsulation.....	5.57	
02 83 19 13-0149 LF >6" To 12" Wide, Baseboard, Lead Abatement Encapsulation.....	7.48	
02 83 19 13-0150 SF Brick, Concrete Block, Concrete, Lead Abatement Encapsulation.....	2.99	
02 83 19 13-0151 SF Ornate Cabinets, Lead Abatement Encapsulation.....	6.90	
02 83 19 13-0152 SF Simple Design Cabinets, Lead Abatement Encapsulation.....	5.60	
02 83 19 13-0153 SF Drywall Ceilings, Lead Abatement Encapsulation.....	1.82	
02 83 19 13-0154 SF Wood Ceilings, Lead Abatement Encapsulation.....	2.24	
02 83 19 13-0155 SF Acoustical And Popcorn Ceilings, Lead Abatement Encapsulation.....	2.08	
02 83 19 13-0156 SF Columns, Lead Abatement Encapsulation.....	3.65	
02 83 19 13-0157 SF Doors, Lead Abatement Encapsulation.....	8.13	
02 83 19 13-0158 LF Up To 2" Electrical Conduit, Lead Abatement Encapsulation.....	3.11	
02 83 19 13-0159 SF Picket Fence (Brush), Lead Abatement Encapsulation.....	2.12	
02 83 19 13-0160 SF Wood Floors (Roller), Lead Abatement Encapsulation.....	1.75	
02 83 19 13-0161 SF Grilles, Vents, Lead Abatement Encapsulation.....	5.11	
02 83 19 13-0162 LF Gutters And Downspouts, Lead Abatement Encapsulation.....	4.72	
02 83 19 13-0163 EA Hangers, Lead Abatement Encapsulation.....	41.24	
02 83 19 13-0164 LF Up To 4" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	2.87	
02 83 19 13-0165 LF >4" To 8" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	4.05	
02 83 19 13-0166 LF >8" To 12" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	6.25	
02 83 19 13-0167 LF >12" To 16" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	9.21	
02 83 19 13-0168 EA Radiators, Lead Abatement Encapsulation.....	173.48	
02 83 19 13-0169 EA Up To 6' Shutters, Lead Abatement Encapsulation.....	150.12	
02 83 19 13-0170 SF Siding, Lead Abatement Encapsulation.....	2.56	
02 83 19 13-0171 SF Up To 12" Soffit, Lead Abatement Encapsulation.....	3.65	
02 83 19 13-0172 SF Steel, Flat Surfaces And Tanks Up To 12', Lead Abatement Encapsulation.....	2.99	
02 83 19 13-0173 SF Steel Beams And Metal Decks, Lead Abatement Encapsulation.....	3.95	
02 83 19 13-0174 SF Trusses, Lead Abatement Encapsulation.....	3.95	
02 83 19 13-0175 SF Drywall Walls, Lead Abatement Encapsulation.....	1.64	
02 83 19 13-0176 SF Wood Walls, Lead Abatement Encapsulation.....	2.01	
02 83 19 13-0177 EA Window Without Grille, Lead Abatement Encapsulation.....	149.67	
02 83 19 13-0178 EA Window With Grille, Lead Abatement Encapsulation.....	175.78	
02 83 19 13-0179 LF Frames And Trim, Lead Abatement Encapsulation.....	2.74	
02 83 19 13-0180 LF Steel Lintels, Lead Abatement Encapsulation.....	3.12	
02 83 33 Removal and Disposal of Material Containing Lead (02 83)		
02 83 33 13 Lead-Based Paint Removal and Disposal (02 83 33)		
02 83 33 13-0001 Remove Loose Dirt And Debris Containing Lead (02 83 33 13)		
02 83 33 13-0002 SF HEPA Vacuum And Wet Clean Lead Contaminated Area With Mild Detergent.....	0.24	
02 83 33 13-0003 SF HEPA Vacuum And Wet Clean Lead Contaminated Area With Tri-Sodium Phosphate.....	0.28	
02 83 33 13-0004 SF HEPA Vacuum And Shampoo Lead Contaminated Carpeting.....	1.11	

02 84 Polychlorinate Biphenyl Remediation (02 80)

02 84 16 Handling Of Lighting Ballasts and Lamps Containing PBCs and Mercury (02 84)

02 Existing Conditions**02 80 Facility Remediation****02 84 Polychlorinate Biphenyl Remediation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 84 16 00-0001		Removal Of TSCA-Exempt PCB And Non-PCB Ballasts From Demolished Fixtures <small>(02 84 16)</small>	
		Note: Includes removal of TSCA-exempt PCB and Non-PCB ballast from demolished lighting fixture and placing ballast in an approved container for recycling.	
02 84 16 00-0002	EA	Removal Of TSCA-Exempt Polychlorinated Biphenyl (PCB) And Non-PCB Ballast From A Demolished Fixture For Recycling.....	7.74
02 84 16 00-0003		Recycle TSCA-Exempt PCB And Non-PCB Ballasts <small>(02 84 16)</small>	
		Note: Non leaking ballasts. Includes containers, shipping costs and recycling fees. Excludes ballast removal.	
02 84 16 00-0004	EA	Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures.....	0.97
02 84 16 00-0005	EA	Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures.....	1.45
02 84 16 00-0006	EA	Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures.....	4.53
02 84 16 00-0007	EA	Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures.....	10.35
02 84 16 00-0008		Disposal Of Leaking PCB And Non-PCB Ballasts <small>(02 84 16)</small>	
		Note: Disposal at an EPA approved facility. Includes containers, shipping costs and disposal fees. Excludes ballast removal.	
02 84 16 00-0009	EA	Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures.....	2.42
02 84 16 00-0010	EA	Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures.....	3.64
02 84 16 00-0011	EA	Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures.....	6.79
02 84 16 00-0012	EA	Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures.....	15.52
02 84 33		Removal and Disposal of Polychlorinate Biphenyls <small>(02 84)</small>	
02 84 33 00-0001		Removal And Disposal Of Polychlorinate Biphenyls Oil Filled Transformers <small>(02 84 33)</small>	
		Note: Includes disposal in approved container, rigging, manifesting, hauling, etc.	
02 84 33 00-0002	EA	Removal And Disposal Of Transformers 2.5/3.5 KVA, Non Polychlorinated Biphenyl (PCB).....	1,784.50
		Note: Includes disposal costs.	
02 84 33 00-0003	EA	Removal And Disposal Of Transformers 20 KVA, Non Polychlorinated Biphenyl (PCB).....	2,766.94
		Note: Includes disposal costs.	
02 84 33 00-0004	EA	Removal And Disposal Of Switch, Non Polychlorinated Biphenyl (PCB).....	852.84
02 84 33 00-0005	EA	Removal And Disposal Of Transformers 2.5/3.5 KVA, Polychlorinated Biphenyl (PCB).....	3,238.12
		Note: Includes disposal costs.	
02 84 33 00-0006	EA	Removal And Disposal Of Switch, Polychlorinated Biphenyl (PCB).....	1,877.14
02 84 33 00-0007	EA	Removal And Disposal Of Transformers 20 KVA, Polychlorinated Biphenyl (PCB).....	5,048.56
		Note: Includes disposal costs.	
02 87		Bio-Hazard Material Remediation <small>(02 80)</small>	
02 87 13		Mold Remediation <small>(02 87)</small>	
		Note: All unit pricing in this section includes: materials, equipment, mobilization, preparation, removal, clean-up, vacuuming, transportation for up to 25 miles, disposal, monitoring (personnel and air), sampling/testing, fees, documentation and other associated costs necessary for the complete removal and disposal of mold in accordance with EPA, OSHA, IICRC standards and local regulations. Where types of Mold are listed by quantity, the quantity of the entire project, not a particular work area of building, is to be used in determining which tasks apply. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 100 LF or SF (Up to 25 LF for Mold Abatement pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project. See CSI section 01 56 16 00-0031 for temporary stud walls, 01 74 19 00-0036 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0008 for plastic sheeting for containment construction, 02 89 00 00-0015 for decontamination chambers.	
02 87 13 33		Removal and Disposal of Materials with Mold <small>(02 87 13)</small>	
02 87 13 33-0001		Pipe And Pipe Fittings Insulation, Mold Abatement And Disposal <small>(02 87 13 33)</small>	
		Note: Treat fittings as additional lf of insulation.	
02 87 13 33-0002		Pipe Insulation, Mold Abatement And Disposal <small>(02 87 13 33-0001)</small>	
		Note: Diameter is outer size of insulation.	
02 87 13 33-0003		Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal <small>(02 87 13 33-0002)</small>	
		Note: Excludes encased fittings.	
02 87 13 33-0004	SET	Up To 20 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	529.24
02 87 13 33-0005	LF	>20 To 250 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	20.55
02 87 13 33-0006	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	15.49
02 87 13 33-0007	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	11.70
02 87 13 33-0008	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	8.86
02 87 13 33-0009	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	7.76
02 87 13 33-0010		>6" Diameter Pipe Insulation, Mold Abatement And Disposal <small>(02 87 13 33-0002)</small>	
02 87 13 33-0011	SET	Up To 20 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	550.47
02 87 13 33-0012	LF	>20 To 250 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	24.63
02 87 13 33-0013	LF	>250 To 500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	18.82
02 87 13 33-0014	LF	>500 To 2,500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	14.47
02 87 13 33-0015	LF	>2,500 To 10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	11.21
02 87 13 33-0016	LF	>10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	9.93
02 87 13 33-0017		Thermal Insulation, Mold Abatement And Disposal <small>(02 87 13 33)</small>	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0018	Other Thermal Insulation, Up To 3" Thick, Mold Abatement And Disposal <small>(02 87 13 33-0017)</small>			
02 87 13 33-0019	SET Up To 50 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal		539.86	
02 87 13 33-0020	SF >50 To 500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal		11.95	
02 87 13 33-0021	SF >500 To 2,500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal		9.06	
02 87 13 33-0022	SF >2,500 To 10,000 SF, Up To 3" Thick Other Thermal Insulation, Mold Abatement And Disposal		6.88	
02 87 13 33-0023	SF >10,000 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal		5.36	
02 87 13 33-0024	Surfacing Material, Mold Abatement And Disposal <small>(02 87 13 33)</small> Note: e.g. fireproofing, acoustical plaster, etc.			
02 87 13 33-0025	Stucco, Mold Abatement And Disposal <small>(02 87 13 33-0024)</small> Note: Remove surface coat from brown coat or remove entire assembly, including lath.			
02 87 13 33-0026	SET Up To 50 SF, Stucco, Mold Abatement And Disposal		533.96	
02 87 13 33-0027	SF >50 To 500 SF, Stucco, Mold Abatement And Disposal		11.84	
02 87 13 33-0028	SF >500 To 2,500 SF, Stucco, Mold Abatement And Disposal		8.95	
02 87 13 33-0029	SF >2,500 To 10,000 SF, Stucco, Mold Abatement And Disposal		6.77	
02 87 13 33-0030	SF >10,000 SF, Stucco, Mold Abatement And Disposal		5.15	
02 87 13 33-0031	Acoustical Plaster, Mold Abatement And Disposal <small>(02 87 13 33-0024)</small> Note: Remove surface coat from brown coat or remove entire assembly, including lath.			
02 87 13 33-0032	SET Up To 50 SF, Acoustical Plaster, Mold Abatement And Disposal		533.96	
02 87 13 33-0033	SF >50 To 500 SF, Acoustical Plaster, Mold Abatement And Disposal		11.84	
02 87 13 33-0034	SF >500 To 2,500 SF, Acoustical Plaster, Mold Abatement And Disposal		8.95	
02 87 13 33-0035	SF >2,500 To 10,000 SF, Acoustical Plaster, Mold Abatement And Disposal		6.77	
02 87 13 33-0036	SF >10,000 SF, Acoustical Plaster, Mold Abatement And Disposal		5.15	
02 87 13 33-0037	Gypsum Board, Mold Abatement And Disposal <small>(02 87 13 33-0024)</small>			
02 87 13 33-0038	SET Up To 100 SF, Gypsum Board, Mold Abatement And Disposal		545.76	
02 87 13 33-0039	SF >100 To 500 SF, Gypsum Board, Mold Abatement And Disposal		3.99	
02 87 13 33-0040	SF >500 To 2,500 SF, Gypsum Board, Mold Abatement And Disposal		3.18	
02 87 13 33-0041	SF >2,500 To 10,000 SF, Gypsum Board, Mold Abatement And Disposal		2.52	
02 87 13 33-0042	SF >10,000 SF, Gypsum Board, Mold Abatement And Disposal		1.87	
02 87 13 33-0043	Fireproofing, Mold Abatement And Disposal <small>(02 87 13 33-0024)</small> Note: Exposed surface area, includes associated overspray.			
02 87 13 33-0044	SET Up To 50 SF, Fireproofing, Mold Abatement And Disposal		539.86	
02 87 13 33-0045	SF >50 To 500 SF, Fireproofing, Mold Abatement And Disposal		16.35	
02 87 13 33-0046	SF >500 To 2,500 SF, Fireproofing, Mold Abatement And Disposal		12.36	
02 87 13 33-0047	SF >2,500 To 10,000 SF, Fireproofing, Mold Abatement And Disposal		9.36	
02 87 13 33-0048	SF >10,000 SF, Fireproofing, Mold Abatement And Disposal		7.10	
02 87 13 33-0049	Flooring, Mold Abatement And Disposal <small>(02 87 13 33)</small> Note: Includes cove base.			
02 87 13 33-0050	Floor Tile Or Linoleum, Mold Abatement And Disposal <small>(02 87 13 33-0049)</small>			
02 87 13 33-0051	Floor Tile Or Linoleum, Mold Abatement And Disposal <small>(02 87 13 33-0050)</small> Note: Single layer or first of multiple layers.			
02 87 13 33-0052	SET Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal		545.76	
02 87 13 33-0053	SF >100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal		3.97	
	<i>For Each Additional Layer, Add</i>		0.99	
02 87 13 33-0054	SF >500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal		2.25	
	<i>For Each Additional Layer, Add</i>		0.56	
02 87 13 33-0055	SF >2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal		1.32	
	<i>For Each Additional Layer, Add</i>		0.33	
02 87 13 33-0056	SF >10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal		1.04	
	<i>For Each Additional Layer, Add</i>		0.26	
02 87 13 33-0057	Carpet, Mold Abatement And Disposal <small>(02 87 13 33-0049)</small>			
02 87 13 33-0058	Carpet, Glue Down, Mold Abatement And Disposal <small>(02 87 13 33-0057)</small>			
02 87 13 33-0059	SET Up To 100 SF, Carpet, Glue Down, Mold Abatement And Disposal		545.76	
02 87 13 33-0060	SF >100 To 500 SF, Carpet, Glue Down, Mold Abatement And Disposal		3.32	
02 87 13 33-0061	SF >500 To 2,500 SF, Carpet, Glue Down, Mold Abatement And Disposal		2.11	
02 87 13 33-0062	SF >2,500 To 10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal		1.43	
02 87 13 33-0063	SF >10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal		1.11	
02 87 13 33-0064	Carpet, Padded With Tack Strips, Mold Abatement And Disposal <small>(02 87 13 33-0057)</small>			
02 87 13 33-0065	SET Up To 100 SF, Carpet And Pad, Mold Abatement And Disposal		545.76	
	Note: Includes tack strips.			
02 87 13 33-0066	SF >100 To 500 SF, Carpet And Pad, Mold Abatement And Disposal		3.72	
	Note: Includes tack strips.			

02 Existing Conditions**02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0067	SF		>500 To 2,500 SF, Carpet And Pad, Mold Abatement And Disposal..... Note: Includes tack strips.	2.73	
02 87 13 33-0068	SF		>2,500 To 10,000 SF, Carpet And Pad, Mold Abatement And Disposal..... Note: Includes tack strips.	2.17	
02 87 13 33-0069	SF		>10,000 SF, Carpet And Pad, Mold Abatement And Disposal..... Note: Includes tack strips.	1.69	
02 87 13 33-0070			Subflooring, Mold Abatement And Disposal (02 87 13 33-0049)		
02 87 13 33-0071	SET		Up To 75 SF, Subflooring, Mold Abatement And Disposal	539.86	
02 87 13 33-0072	SF		>75 To 500 SF, Subflooring, Mold Abatement And Disposal	4.56	
02 87 13 33-0073	SF		>500 To 2,500 SF, Subflooring, Mold Abatement And Disposal	2.94	
02 87 13 33-0074	SF		>2,500 To 10,000 SF, Subflooring, Mold Abatement And Disposal	1.80	
02 87 13 33-0075	SF		>10,000 SF, Subflooring, Mold Abatement And Disposal	1.17	
02 87 13 33-0076			Siding, Mold Abatement And Disposal (02 87 13 33)		
02 87 13 33-0077			Interior Paneling, Mold Abatement And Disposal (02 87 13 33-0076) Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0078	SET		Up To 100 SF, Interior Paneling, Mold Abatement And Disposal	545.76	
02 87 13 33-0079	SF		>100 To 500 SF, Interior Paneling, Mold Abatement And Disposal	3.96	
02 87 13 33-0080	SF		>500 To 2,500 SF, Interior Paneling, Mold Abatement And Disposal	2.80	
02 87 13 33-0081	SF		>2,500 To 10,000 SF, Interior Paneling, Mold Abatement And Disposal	1.66	
02 87 13 33-0082	SF		>10,000 SF, Interior Paneling, Mold Abatement And Disposal	1.28	
02 87 13 33-0083			Exterior Siding, Mold Abatement And Disposal (02 87 13 33-0076)		
02 87 13 33-0084	SET		Up To 100 SF, Exterior Siding Board, Mold Abatement And Disposal	545.76	
02 87 13 33-0085	SF		>100 To 500 SF, Exterior Siding Board, Mold Abatement And Disposal	4.90	
02 87 13 33-0086	SF		>500 To 2,500 SF, Exterior Siding Board, Mold Abatement And Disposal	3.42	
02 87 13 33-0087	SF		>2,500 To 10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	2.33	
02 87 13 33-0088	SF		>10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	2.11	
02 87 13 33-0089			Contaminated Debris, Mold Abatement And Disposal (02 87 13 33)		
02 87 13 33-0090			Contaminated Debris, Mold Abatement And Disposal (02 87 13 33-0089)		
02 87 13 33-0091	SET		Up To 20 CF, Contaminated Debris, Mold Abatement And Disposal.....	550.47	
02 87 13 33-0092	CF		>20 To 100 CF, Contaminated Debris, Mold Abatement And Disposal	19.47	
02 87 13 33-0093	CF		>100 To 250 CF, Contaminated Debris, Mold Abatement And Disposal	13.45	
02 87 13 33-0094	CF		>250 To 500 CF, Contaminated Debris, Mold Abatement And Disposal	10.44	
02 87 13 33-0095	CF		>500 To 2,500 CF, Contaminated Debris, Mold Abatement And Disposal	8.64	
02 87 13 33-0096	CF		>2,500 To 10,000 CF, Contaminated Debris, Mold Abatement And Disposal	5.36	
02 87 13 33-0097	CF		>10,000 CF, Contaminated Debris, Mold Abatement And Disposal	4.96	
02 87 13 33-0098			Other Mold Containing Materials, Mold Abatement And Disposal (02 87 13 33)		
02 87 13 33-0099			Wood Studs, Mold Abatement And Disposal (02 87 13 33-0098) Note: 2" x 4" or 2" x 6" exposed studs in walls. Excludes surfacing material.		
02 87 13 33-0100	SET		Up To 100 LF, Wood Studs, Mold Abatement And Disposal	272.88	
02 87 13 33-0101	LF		>100 To 500 LF, Wood Studs, Mold Abatement And Disposal	2.22	
02 87 13 33-0102	LF		>500 To 2,500 LF, Wood Studs, Mold Abatement And Disposal	1.66	
02 87 13 33-0103	LF		>2,500 To 10,000 LF, Wood Studs, Mold Abatement And Disposal	1.30	
02 87 13 33-0104	LF		>10,000 LF, Wood Studs, Mold Abatement And Disposal	1.00	
02 87 13 33-0105			Ceiling Tile, Mold Abatement And Disposal (02 87 13 33-0098) Note: e.g. grid, spline, or glued on; 12" x 12" to 2' x 4'.		
02 87 13 33-0106	SET		Up To 100 SF, Ceiling Tile, Mold Abatement And Disposal	545.76	
02 87 13 33-0107	SF		>100 To 1,000 SF, Ceiling Tile, Mold Abatement And Disposal	6.77	
02 87 13 33-0108	SF		>1,000 To 2,500 SF, Ceiling Tile, Mold Abatement And Disposal	3.21	
02 87 13 33-0109	SF		>2,500 To 10,000 SF, Ceiling Tile, Mold Abatement And Disposal	2.33	
02 87 13 33-0110	SF		>10,000 SF, Ceiling Tile, Mold Abatement And Disposal.....	2.11	
02 87 13 33-0111			Caulking, Mold Abatement And Disposal (02 87 13 33-0098)		
02 87 13 33-0112	SET		Up To 20 LF, Caulking, Mold Abatement And Disposal	130.94	
02 87 13 33-0113	LF		>20 To 50 LF, Caulking, Mold Abatement And Disposal	2.64	
02 87 13 33-0114	LF		>50 To 100 LF, Caulking, Mold Abatement And Disposal.....	1.89	
02 87 13 33-0115	LF		>100 To 250 LF, Caulking, Mold Abatement And Disposal.....	1.43	
02 87 13 33-0116	LF		>250 To 1,000 LF, Caulking, Mold Abatement And Disposal.....	1.06	
02 87 13 33-0117	LF		>1,000 To 2,500 LF, Caulking, Mold Abatement And Disposal.....	0.87	
02 87 13 33-0118	LF		>2,500 LF, Caulking, Mold Abatement And Disposal.....	0.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0119 Wipe Down Walls, Ceilings And Floors (02 87 13 33-0098)		
02 87 13 33-0120 CSF Wipe Down Floors With Mild Bleach Solution	14.51	
02 87 13 33-0121 CSF Wipe Down Walls With Mild Bleach Solution	17.07	
02 87 13 33-0122 CSF Wipe Down Ceilings With Mild Bleach Solution	19.41	
02 87 13 33-0123 CSF Wipe Down Countertops With Mild Bleach Solution	15.82	
02 87 13 33-0124 CSF Wipe Down Other Surfaces With Mild Bleach Solution	20.08	
02 87 13 33-0125 Cabinets (02 87 13 33-0098)		
02 87 13 33-0126 SET Up To 10 LF, Base Cabinet, Mold Abatement And Disposal	589.13	
02 87 13 33-0127 LF >10 To 20 LF, Base Cabinet, Mold Abatement And Disposal	62.07	
02 87 13 33-0128 LF >20 LF, Base Cabinet, Mold Abatement And Disposal	46.31	
02 87 13 33-0129 SET Up To 10 LF, Wall Cabinet, Mold Abatement And Disposal	546.69	
02 87 13 33-0130 LF >10 To 20 LF, Wall Cabinet, Mold Abatement And Disposal	51.51	
02 87 13 33-0131 LF >20 LF, Wall Cabinet, Mold Abatement And Disposal	35.75	
02 87 16 Excrement Removal (02 87)		
Note: Tasks include materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, disposal, personnel health monitoring, documentation and other associated costs necessary for the complete removal and disposal of the contaminated material in accordance with EPA and local regulations. The quantity of the entire project, not a particular work area, is to be used in determining which tasks apply. There is a task with a unit of measure of EA for a quantity of less than 10 SF, followed by a series of tasks for additional quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus each additional task in sequence to arrive at the total quantity for the entire project, not a particular work area.		
02 87 16 13 Bird Excrement Removal (02 87 16)		
02 87 16 13-0001 Bird Waste Removal (02 87 16 13)		
Note: In addition to items listed the Bio-Hazard Material Remediation note above, tasks include wetting agents and disinfection of contaminated surfaces.		
02 87 16 13-0002 EA Up To 10 SF Bird Waste Removal, Up To 3" Thickness	522.17	
<i>For Work In Restricted Working Space, Add</i>		156.65
02 87 16 13-0003 SF >10 To 500 SF Bird Waste Removal, Up To 3" Thickness	8.71	
<i>For Work In Restricted Working Space, Add</i>		2.61
02 87 16 13-0004 SF >500 To 2,500 SF Bird Waste Removal, Up To 3" Thickness	7.91	
<i>For Work In Restricted Working Space, Add</i>		2.37
02 87 16 13-0005 SF >2,500 To 10,000 SF Bird Waste Removal, Up To 3" Thickness	7.19	
<i>For Work In Restricted Working Space, Add</i>		2.16
02 87 16 13-0006 SF >10,000 SF Bird Waste Removal, Up To 3" Thickness	6.54	
<i>For Work In Restricted Working Space, Add</i>		1.96
02 89 Hazmat Ancillary Tasks And Support (02 89)		
02 89 00 00-0001 Barriers And Protection (02 89)		
Note: Includes removal and disposal after use.		
02 89 00 00-0002 Isolation Barriers (02 89 00 00-0001)		
See CSI section 01 56 16 00-0031 for temporary stud walls.		
02 89 00 00-0003 Cleaning Surfaces (02 89 00 00-0001)		
Note: Other surfaces outside contamination area but not contaminated by, or part of removal.		
02 89 00 00-0004 SF Up To 100 SF, Clean Asbestos Surface	1.27	
02 89 00 00-0005 SF >100 To 500 SF, Clean Asbestos Surface	0.89	
02 89 00 00-0006 SF >500 To 1,000 SF, Clean Asbestos Surface	0.58	
02 89 00 00-0007 SF >1,000 SF, Clean Asbestos Surface	0.45	
02 89 00 00-0008 Hazmat Containment Construction (02 89 00 00-0001)		
02 89 00 00-0009 SF 6 Mil Plastic Sheeting, Applied To Floors, Hazmat Containment Construction	0.32	
02 89 00 00-0010 SF 6 Mil Plastic Sheeting, Applied To Walls, Hazmat Containment Construction	0.41	
02 89 00 00-0011 SF 6 Mil Plastic Sheeting, Applied To Ceilings, Hazmat Containment Construction	0.56	
02 89 00 00-0012 SF 6 Mil Plastic Fire Retardant, Anti Static Sheeting, Applied To Floors, Hazmat Containment Construction	0.52	
02 89 00 00-0013 SF 6 Mil Plastic Fire Retardant, Anti Static Retardant Sheeting, Applied To Walls, Hazmat Containment Construction	0.67	
02 89 00 00-0014 SF 6 Mil Plastic Fire Retardant, Anti Static Retardant Sheeting, Applied To Ceilings, Hazmat Containment Construction	0.89	
02 89 00 00-0015 Decontamination Chambers (02 89)		
Note: Includes removal after use.		
02 89 00 00-0016 EA Portable Personnel Decontamination Wash Facility (3 Stage)	653.78	
<i>Note: Includes connection to negative air system.</i>		
<i>For Dismantling And Relocation To A Different Area, Add</i>		407.16
02 89 00 00-0017 EA Portable Personnel Decontamination Wash Facility (5 Stage)	772.78	
<i>Note: Includes connection to negative air system.</i>		
<i>For Dismantling And Relocation To A Different Area, Add</i>		485.40
02 89 00 00-0018 EA Portable Waste Decontamination Unit	417.33	
<i>Note: Includes connection to negative air system.</i>		
<i>For Dismantling And Relocation To A Different Area, Add</i>		294.02

02 90 Disaster Recovery (02)

02 Existing Conditions**02 90 Disaster Recovery****02 89 Hazmat Ancillary Tasks And Support**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

Note: The tasks in this division are only to be used when specifically requested by the Owner and are not to be combined with tasks from other divisions of this or other Construction Task Catalogs® unless specifically requested by the Owner.

02 90 50 Cleaning And Emergency Clean-up (02 90)**02 90 50 00-0001 Non-Mold Contaminated Wet Material Removal (02 90 50)**

Note: For materials that do not require mold abatement.

02 90 50 00-0002	SY	Wet Broadloom Carpet Removal	7.92
02 90 50 00-0003	SY	Wet Carpet Tile Removal	1.93
02 90 50 00-0004	SF	Wet Batt Insulation Removal.....	0.16
02 90 50 00-0005	SF	Wet Ceiling Tile Removal.....	0.19
02 90 50 00-0006	SF	Single Layer, Wet Gypsum Board Removal.....	0.19
02 90 50 00-0007	SF	Double Layer, Wet Gypsum Board Removal	0.29

02 90 50 00-0008 Cleaning (02 90 50)

Note: Use "Light Clean" when soot or dust is barely evident. Use "Medium Clean" when paint color can be seen through the soot or dust. Use "Heavy Clean" when paint color cannot be seen. Includes all man power, equipment and expendables required

02 90 50 00-0009 Clean Furnishings (02 90 50 00-0008)

02 90 50 00-0010	EA	Office Equipment, Exterior Wipe	27.92
		<i>For Medium Clean, Add</i>	11.73
		<i>For Heavy Clean, Add</i>	36.30
02 90 50 00-0011	SF	Bookcase (Per SF Of Face Area), Light Clean	1.55
		<i>For Medium Clean, Add</i>	0.65
		<i>For Heavy Clean, Add</i>	2.02
02 90 50 00-0012	LF	Shelving, Light Clean	2.80
		<i>For Medium Clean, Add</i>	1.18
		<i>For Heavy Clean, Add</i>	3.64
02 90 50 00-0013	EA	Plastic Or Metal Chair, Light Clean	8.07
		<i>For Medium Clean, Add</i>	3.39
		<i>For Heavy Clean, Add</i>	10.49
02 90 50 00-0014	EA	Upholstered Chair, Light Clean	26.06
		<i>For Medium Clean, Add</i>	10.95
		<i>For Heavy Clean, Add</i>	33.88
02 90 50 00-0015	EA	Upholstered Sofa, Light Clean	160.72
		<i>For Medium Clean, Add</i>	67.50
		<i>For Heavy Clean, Add</i>	208.94
02 90 50 00-0016	EA	Desk, Light Clean.....	32.89
		<i>For Medium Clean, Add</i>	13.81
		<i>For Heavy Clean, Add</i>	42.76
02 90 50 00-0017	EA	Table, Light Clean.....	31.03
		<i>For Medium Clean, Add</i>	13.03
		<i>For Heavy Clean, Add</i>	40.34
02 90 50 00-0018	EA	Two Drawer File Cabinet, Light Clean	6.80
		<i>For Medium Clean, Add</i>	2.86
		<i>For Heavy Clean, Add</i>	8.84
02 90 50 00-0019	EA	Four Drawer File Cabinet, Light Clean.....	8.71
		<i>For Medium Clean, Add</i>	3.66
		<i>For Heavy Clean, Add</i>	11.32
02 90 50 00-0020	LF	Base Cabinet, Exterior Wipe, Light Clean	7.14
		<i>For Medium Clean, Add</i>	3.00
		<i>For Heavy Clean, Add</i>	9.28
02 90 50 00-0021	LF	Base Cabinet, Exterior And Interior Wipe, Light Clean	13.96
		<i>For Medium Clean, Add</i>	5.86
		<i>For Heavy Clean, Add</i>	18.15
02 90 50 00-0022	LF	Wall Cabinet, Exterior Wipe, Light Clean	7.14
		<i>For Medium Clean, Add</i>	3.00
		<i>For Heavy Clean, Add</i>	9.28
02 90 50 00-0023	LF	Wall Cabinet, Exterior And Interior Wipe, Light Clean.....	12.42
		<i>For Medium Clean, Add</i>	5.22
		<i>For Heavy Clean, Add</i>	16.15
02 90 50 00-0024	EA	Picture Frame, Glass And Back, Light Clean	2.98
		<i>For Medium Clean, Add</i>	1.25
		<i>For Heavy Clean, Add</i>	3.87

02 90 50 00-0025 Clean Hard Surfaces (02 90 50 00-0008)

02 90 50 00-0026	LF	Wood, Vinyl Or Rubber Baseboard, Light Clean.....	0.41
		<i>For Medium Clean, Add</i>	0.17
		<i>For Heavy Clean, Add</i>	0.53
02 90 50 00-0027	EA	Door And Hardware (Per Side), Light Clean	5.28
		<i>For Medium Clean, Add</i>	2.22
		<i>For Heavy Clean, Add</i>	6.86
02 90 50 00-0028	EA	Detailed Door And Hardware (Per Side), Light Clean	5.99
		<i>For Medium Clean, Add</i>	2.52
		<i>For Heavy Clean, Add</i>	7.79
02 90 50 00-0029	SF	Overhead Door, Light Clean	0.42
		<i>For Medium Clean, Add</i>	0.18
		<i>For Heavy Clean, Add</i>	0.55
02 90 50 00-0030	SF	Mirror, Light Clean	0.31
		<i>For Medium Clean, Add</i>	0.13
		<i>For Heavy Clean, Add</i>	0.40



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0031 SF Window, Light Clean.....	0.91	
<i>For Medium Clean, Add</i>	0.38	
<i>For Heavy Clean, Add</i>	1.18	
02 90 50 00-0032 LF Handrail, Light Clean.....	0.81	
<i>For Medium Clean, Add</i>	0.34	
<i>For Heavy Clean, Add</i>	1.05	
02 90 50 00-0033 LF Bumper Rail, Light Clean.....	0.43	
<i>For Medium Clean, Add</i>	0.18	
<i>For Heavy Clean, Add</i>	0.56	
02 90 50 00-0034 SF Hard Floor, Light Clean.....	0.36	
<i>For Medium Clean, Add</i>	0.15	
<i>For Heavy Clean, Add</i>	0.47	
02 90 50 00-0035 SF Carpet, Light Clean.....	0.37	
<i>For Medium Clean, Add</i>	0.16	
<i>For Heavy Clean, Add</i>	0.48	
02 90 50 00-0036 SF Hard Ceiling, Light Clean.....	0.29	
<i>For Medium Clean, Add</i>	0.12	
<i>For Heavy Clean, Add</i>	0.38	
02 90 50 00-0037 SF Suspended Ceiling, Tile And Grid, Light Clean.....	0.31	
<i>For Medium Clean, Add</i>	0.13	
<i>For Heavy Clean, Add</i>	0.40	
02 90 50 00-0038 SF Ceramic Tile Wall, Light Clean.....	0.26	
<i>For Medium Clean, Add</i>	0.11	
<i>For Heavy Clean, Add</i>	0.34	
02 90 50 00-0039 SF Wall, Light Clean.....	0.19	
<i>For Medium Clean, Add</i>	0.08	
<i>For Heavy Clean, Add</i>	0.25	
02 90 50 00-0040 SF Masonry Wall, Light Clean.....	0.26	
<i>For Medium Clean, Add</i>	0.11	
<i>For Heavy Clean, Add</i>	0.34	
02 90 50 00-0041 EA Up To 24 SF Area Rug, Off-Site Cleaning, Light Clean.....	65.44	
Note: Includes removal from site, cleaning, and return.		
<i>For Medium Clean, Add</i>	27.48	
<i>For Heavy Clean, Add</i>	85.07	
02 90 50 00-0042 EA >24 To 96 SF Area Rug, Off-Site Cleaning, Light Clean.....	81.80	
Note: Includes removal from site, cleaning, and return.		
<i>For Medium Clean, Add</i>	34.36	
<i>For Heavy Clean, Add</i>	106.34	
02 90 50 00-0043 EA >96 To 140 SF Area Rug, Off-Site Cleaning, Light Clean.....	98.16	
Note: Includes removal from site, cleaning, and return.		
<i>For Medium Clean, Add</i>	41.23	
<i>For Heavy Clean, Add</i>	127.61	
02 90 50 00-0044 EA >140 To 216 SF Area Rug, Off-Site Cleaning, Light Clean.....	114.52	
<i>For Medium Clean, Add</i>	48.10	
<i>For Heavy Clean, Add</i>	148.88	
 02 90 50 00-0045 Clean Window Treatments (02 90 50 00-0008)		
02 90 50 00-0046 SF Window Blind, Light Clean.....	0.71	
<i>For Medium Clean, Add</i>	0.30	
<i>For Heavy Clean, Add</i>	0.92	
02 90 50 00-0047 EA Up To 6' Long Drapery (Per Pleat), Light Clean.....	1.45	
<i>For Medium Clean, Add</i>	0.61	
<i>For Heavy Clean, Add</i>	1.89	
02 90 50 00-0048 EA Up To 6' Long Lined Drapery (Per Pleat), Light Clean.....	1.67	
<i>For Medium Clean, Add</i>	0.70	
<i>For Heavy Clean, Add</i>	2.17	
02 90 50 00-0049 EA >6' To 8' Drapery (Per Pleat), Light Clean.....	1.53	
<i>For Medium Clean, Add</i>	0.64	
<i>For Heavy Clean, Add</i>	1.99	
02 90 50 00-0050 EA >6' To 8' Lined Drapery (Per Pleat), Light Clean.....	1.76	
<i>For Medium Clean, Add</i>	0.74	
<i>For Heavy Clean, Add</i>	2.29	
02 90 50 00-0051 EA >8' To 10' Drapery (Per Pleat), Light Clean.....	1.87	
<i>For Medium Clean, Add</i>	0.79	
<i>For Heavy Clean, Add</i>	2.43	
02 90 50 00-0052 EA >8' To 10' Lined Drapery (Per Pleat), Light Clean.....	2.15	
<i>For Medium Clean, Add</i>	0.90	
<i>For Heavy Clean, Add</i>	2.80	
 02 90 50 00-0053 Clean Appliances (02 90 50 00-0008)		
02 90 50 00-0054 EA Microwave Oven, Outside, Light Clean.....	12.86	
<i>For Medium Clean, Add</i>	5.40	
<i>For Heavy Clean, Add</i>	16.72	
02 90 50 00-0055 EA Refrigerator, Outside, Light Clean.....	30.29	
<i>For Medium Clean, Add</i>	12.72	
<i>For Heavy Clean, Add</i>	39.38	
02 90 50 00-0056 EA Range, Outside, Light Clean.....	26.18	
<i>For Medium Clean, Add</i>	11.00	
<i>For Heavy Clean, Add</i>	34.03	

02 90 50 00-0057 Clean Plumbing (02 90 50 00-0008)

02 Existing Conditions

02 90 Disaster Recovery

02 90 50 Cleaning And Emergency Clean-up



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0058	EA		Water Heater, Light Clean	18.61	
			<i>For Medium Clean, Add</i>	7.82	
			<i>For Heavy Clean, Add</i>	24.19	
02 90 50 00-0059	EA		Plumbing Fixture, Light Clean.....	18.80	
			<i>For Medium Clean, Add</i>	7.90	
			<i>For Heavy Clean, Add</i>	24.44	
02 90 50 00-0060	EA		Restroom Accessory, Light Clean.....	8.62	
			<i>For Medium Clean, Add</i>	3.62	
			<i>For Heavy Clean, Add</i>	11.21	
02 90 50 00-0061 Clean HVAC (02 90 50 00-0008)					
02 90 50 00-0062	LF		Baseboard Heater, Light Clean.....	5.56	
			<i>For Medium Clean, Add</i>	2.34	
			<i>For Heavy Clean, Add</i>	7.23	
02 90 50 00-0063	LF		Ductwork, Exterior Wipe, Light Clean	15.51	
			<i>For Medium Clean, Add</i>	6.51	
			<i>For Heavy Clean, Add</i>	20.16	
02 90 50 00-0064	EA		Ductwork, Interior (Per Grille/Register), Light Clean	59.57	
			<i>For Medium Clean, Add</i>	25.02	
			<i>For Heavy Clean, Add</i>	77.44	
02 90 50 00-0065	EA		Grille/Register, Light Clean	5.58	
			<i>For Medium Clean, Add</i>	2.34	
			<i>For Heavy Clean, Add</i>	7.25	
02 90 50 00-0066	EA		Air Handling Unit, Exterior Wipe, Light Clean	38.68	
			<i>For Medium Clean, Add</i>	16.25	
			<i>For Heavy Clean, Add</i>	50.28	
02 90 50 00-0067	EA		Furnace, Exterior Wipe, Light Clean	34.44	
			<i>For Medium Clean, Add</i>	14.46	
			<i>For Heavy Clean, Add</i>	44.77	
02 90 50 00-0068 Clean Electrical (02 90 50 00-0008)					
02 90 50 00-0069	EA		Electric Fan, Light Clean.....	22.96	
			<i>For Medium Clean, Add</i>	9.64	
			<i>For Heavy Clean, Add</i>	29.85	
02 90 50 00-0070	EA		Ceiling Fan, Light Clean.....	24.82	
			<i>For Medium Clean, Add</i>	10.42	
			<i>For Heavy Clean, Add</i>	32.27	
02 90 50 00-0071	EA		Ceiling Fan And Light, Light Clean.....	32.27	
			<i>For Medium Clean, Add</i>	13.55	
			<i>For Heavy Clean, Add</i>	41.95	
02 90 50 00-0072	EA		Ceiling Exhaust Fan, Light Clean.....	22.65	
			<i>For Medium Clean, Add</i>	9.51	
			<i>For Heavy Clean, Add</i>	29.45	
02 90 50 00-0073	EA		2' x 4' Light Fixture, Light Clean.....	14.89	
			<i>For Medium Clean, Add</i>	6.25	
			<i>For Heavy Clean, Add</i>	19.36	
02 90 50 00-0074	EA		Light Fixture, Light Clean	6.82	
			<i>For Medium Clean, Add</i>	2.86	
			<i>For Heavy Clean, Add</i>	8.87	
02 90 50 00-0075	EA		Smoke Detector, Light Clean	5.28	
			<i>For Medium Clean, Add</i>	2.22	
			<i>For Heavy Clean, Add</i>	6.86	
02 90 50 00-0076	EA		Thermostat, Light Clean.....	1.86	
			<i>For Medium Clean, Add</i>	0.78	
			<i>For Heavy Clean, Add</i>	2.42	
02 90 50 00-0077 Thermal Fog (02 90 50 00-0008)					
02 90 50 00-0078	CF		Clean And Deodorize Building With Thermal Fog.....	0.02	
02 90 50 00-0079 Contents Manipulation (02 90 50)					
02 90 50 00-0080	SF		Cover Contents With 6 Mil Plastic Sheeting.....	0.21	
02 90 50 00-0081	SF		Floor Protection - Adhesive Film	0.27	
02 90 50 00-0082	SF		Move Contents Out And Later Reset	0.49	
02 90 50 00-0083	MO		20' Long Job Site Storage Trailer.....	120.53	
02 90 50 00-0084	MO		40' Long Job Site Storage Trailer.....	159.84	
02 90 50 00-0085	EA		Delivery Or Pickup Job Site Storage Trailer.....	144.33	
02 90 50 00-0086 Water Emergency Clean-up (02 90 50)					
02 90 50 00-0087	LF		Detach Baseboard	0.63	
02 90 50 00-0088	LF		Detach And Later Reset Baseboard	1.12	
02 90 50 00-0089	EA		Block And Pad Furniture (Per Piece Of Furniture).....	4.11	
02 90 50 00-0090	SF		Water Extraction From Floor.....	0.43	
02 90 50 00-0091	SF		Gray Water Extraction From Floor	0.69	
02 90 50 00-0092	SF		Black Water Extraction From Floor	1.09	
02 90 50 00-0093	SF		Tear Out Wet Non Salvageable Carpet	0.35	
02 90 50 00-0094	SF		Tear Out Wet Non Salvageable Carpet, Black Water	0.41	
02 90 50 00-0095	SF		Tear Out Wet Non Salvageable Glue Down Carpet.....	0.60	
02 90 50 00-0096	SF		Tear Out Wet Non Salvageable Glue Down Carpet, Black Water.....	0.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0097 SF Tear Out Vinyl Flooring.....	.84	
02 90 50 00-0098 SF Tear Out Vinyl Flooring, Black Water.....	1.24	
02 90 50 00-0099 SF Tear Out Wood Flooring, Black Water.....	3.19	
02 90 50 00-0100 SF Tear Out Laminated Wood Flooring.....	1.56	
02 90 50 00-0101 SF Tear Out Laminated Wood Flooring, Black Water.....	2.30	
02 90 50 00-0102 SF Tear Out Wet Ceiling Tile.....	0.26	
02 90 50 00-0103 SF Tear Out Batt Insulation.....	0.26	
02 90 50 00-0104 SF Tear Out Wet Gypsum Board.....	0.44	
02 90 50 00-0105 SF Apply Antimicrobial Agent.....	0.23	
02 90 50 00-0106 SF HEPA Vacuuming.....	0.34	
02 90 50 00-0107 Emergency Clean-up Labor (02 90 50)		
Note: Used in the performance of time and material projects. Not to be used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.		
02 90 50 00-0108 HR Cleaning And Emergency Clean Up - Skilled Tradesman.....	61.75	
02 90 50 00-0109 HR Cleaning And Emergency Clean Up - Restoration / Document Laborer.....	39.00	
02 90 50 00-0110 HR Cleaning And Emergency Clean Up - Restoration / Document Supervisor.....	72.25	
02 90 50 00-0111 HR Cleaning And Emergency Clean Up - Restoration / Document Project Manager.....	100.25	
02 90 50 00-0112 HR Cleaning And Emergency Clean Up - Assistant Project Manager.....	86.50	
02 90 50 00-0113 HR Cleaning And Emergency Clean Up - Project Manager.....	106.75	
02 90 50 00-0114 HR Cleaning And Emergency Clean Up - Project Director / Document Consultant / Account Manager.....	161.25	
02 90 50 00-0115 HR Cleaning And Emergency Clean Up - Resource Coordinator.....	50.12	
02 90 50 00-0116 HR Cleaning And Emergency Clean Up - Project Accountant.....	86.62	
02 90 50 00-0117 HR Cleaning And Emergency Clean Up - Corrosion Technician.....	72.50	
02 90 50 00-0118 HR Cleaning And Emergency Clean Up - Mold Remediation Labor.....	74.25	
02 90 50 00-0119 HR Cleaning And Emergency Clean Up - Mold Remediation Supervisor.....	83.50	
02 90 50 00-0120 HR Cleaning And Emergency Clean Up - Administrative.....	39.75	
02 90 50 00-0121 HR Cleaning And Emergency Clean Up - Biohazard Technician.....	83.38	
02 90 50 00-0122 HR Cleaning And Emergency Clean Up - Biohazard Supervisor.....	100.25	
02 90 50 00-0123 HR Cleaning And Emergency Clean Up - Health And Safety Officer.....	77.88	
02 90 50 00-0124 HR Cleaning And Emergency Clean Up - Resource And Logistics Coordinator.....	55.50	
02 90 50 00-0125 Emergency Clean-up Equipment (02 90 50)		
Note: Used in the performance of time and material projects. Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.		
02 90 50 00-0126 General Emergency Clean-up Equipment (02 90 50 00-0125)		
02 90 50 00-0127 DAY Air Compressor.....	49.04	
02 90 50 00-0128 DAY 13" Floor Buffer.....	32.69	
02 90 50 00-0129 WK 13" Floor Buffer.....	91.82	
02 90 50 00-0130 MO 13" Floor Buffer.....	253.47	
02 90 50 00-0131 DAY 17" Floor Buffer.....	63.37	
02 90 50 00-0132 WK 17" Floor Buffer.....	161.65	
02 90 50 00-0133 MO 17" Floor Buffer.....	381.49	
02 90 50 00-0134 DAY Walk Behind Floor Scrubber.....	349.16	
02 90 50 00-0135 WK Walk Behind Floor Scrubber.....	937.57	
02 90 50 00-0136 MO Walk Behind Floor Scrubber.....	2,612.26	
02 90 50 00-0137 DAY Ride-On Floor Scrubber.....	788.85	
02 90 50 00-0138 WK Ride-On Floor Scrubber.....	2,082.05	
02 90 50 00-0139 MO Ride-On Floor Scrubber.....	5,612.49	
02 90 50 00-0140 DAY 4 Gallon, Commercial Carpet Extractor.....	56.90	
02 90 50 00-0141 WK 4 Gallon, Commercial Carpet Extractor.....	161.65	
02 90 50 00-0142 MO 4 Gallon, Commercial Carpet Extractor.....	556.08	
02 90 50 00-0143 DAY 8 Gallon, Commercial Carpet Extractor.....	53.02	
02 90 50 00-0144 WK 8 Gallon, Commercial Carpet Extractor.....	142.25	
02 90 50 00-0145 MO 8 Gallon, Commercial Carpet Extractor.....	368.56	
02 90 50 00-0146 DAY 17 to 30 Gallon, Commercial Carpet Extractor.....	84.83	
02 90 50 00-0147 WK 17 to 30 Gallon, Commercial Carpet Extractor.....	242.09	
02 90 50 00-0148 MO 17 to 30 Gallon, Commercial Carpet Extractor.....	676.60	
02 90 50 00-0149 DAY Truck Mounted Extractor.....	532.52	
02 90 50 00-0150 WK Truck Mounted Extractor.....	1,597.56	
02 90 50 00-0151 MO Truck Mounted Extractor.....	4,792.69	
02 90 50 00-0152 DAY 16" Chain Saw.....	62.07	
02 90 50 00-0153 WK 16" Chain Saw.....	139.67	
02 90 50 00-0154 MO 16" Chain Saw.....	372.44	
02 90 50 00-0155 DAY 20" Chain Saw.....	77.59	
02 90 50 00-0156 WK 20" Chain Saw.....	174.58	
02 90 50 00-0157 MO 20" Chain Saw.....	465.55	
02 90 50 00-0158 EA Cleaning Kit With Mop, Broom And Bucket.....	58.19	
02 90 50 00-0159 DAY 14" Electric Cut Off Saw.....	82.76	
02 90 50 00-0160 WK 14" Electric Cut Off Saw.....	226.31	
02 90 50 00-0161 MO 14" Electric Cut Off Saw.....	633.67	
02 90 50 00-0162 DAY 12" To 14" Gasoline Cut Off Saw.....	100.87	
02 90 50 00-0163 WK 12" To 14" Gasoline Cut Off Saw.....	342.70	
02 90 50 00-0164 MO 12" To 14" Gasoline Cut Off Saw.....	653.07	
02 90 50 00-0165 DAY Wet Or Dry Portable Cleaning Unit.....	92.63	
02 90 50 00-0166 DAY Extension Cords - 220 Volt.....	32.33	
02 90 50 00-0167 DAY Extension Cords - 220 Volt Converter Box.....	19.40	
02 90 50 00-0168 DAY Demolition Cart, 7 Yard.....	49.04	

02 Existing Conditions**02 90 Disaster Recovery****02 90 50 Cleaning And Emergency Clean-up**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0169 EA Demolition Kit With Wheel Barrow, Shovel And Broom	96.99	
02 90 50 00-0170 DAY Dry-Ice Blasting System.....	1,047.29	
02 90 50 00-0171 DAY Fogger - Mist.....	27.24	
02 90 50 00-0172 DAY Fogger - Electric Thermal	39.23	
02 90 50 00-0173 DAY Fogger - Gas Power Thermal.....	105.39	
02 90 50 00-0174 JOB Gang Box, Demo/Framing (One Time Per Job)	129.74	
02 90 50 00-0175 DAY Hand Trucks/Dollies.....	15.52	
02 90 50 00-0176 DAY Heat Gun - Shrinkwrap	80.68	
02 90 50 00-0177 DAY HEPA Negative Air Machine	114.17	
Note: Includes all filters.		
02 90 50 00-0178 DAY Ladder.....	21.98	
02 90 50 00-0179 DAY Lights - Demo, Drop, Stand, String	19.62	
02 90 50 00-0180 DAY Lights - Wobble.....	23.98	
02 90 50 00-0181 DAY Moisture Meter	32.69	
02 90 50 00-0182 DAY Nail Gun.....	58.19	
02 90 50 00-0183 DAY Ozone Generator	136.22	
02 90 50 00-0184 DAY PPE (Personal Protective Equipment) Mold Remediation Related	77.59	
02 90 50 00-0185 DAY Portable Generator, Up To 7,500 Watts.....	108.98	
02 90 50 00-0186 DAY Pressure Washer, Hot.....	163.47	
02 90 50 00-0187 DAY Pressure Washer, Cold.....	108.98	
02 90 50 00-0188 DAY Scaffolding - Per Section	84.06	
02 90 50 00-0189 DAY Small Tools - Tool Box.....	32.33	
02 90 50 00-0190 DAY Soda Blasting Equipment.....	1,039.22	
02 90 50 00-0191 DAY Sprayer - Hudson.....	10.35	
02 90 50 00-0192 DAY Sprayer - Industrial Airless.....	87.68	
02 90 50 00-0193 DAY Storage Space (Per SF Per Day).....	2.51	
02 90 50 00-0194 DAY Submersible Pump	27.24	
02 90 50 00-0195 DAY Trash Pump - 2" Gas Powered	149.54	
02 90 50 00-0196 DAY Vehicle, Pick-up, SUV, Car	74.23	
02 90 50 00-0197 DAY Vehicle, Van.....	121.03	
02 90 50 00-0198 DAY Vehicle, 16' Or 24' Box Truck (Inclusive Of Mileage)	146.37	
02 90 50 00-0199 DAY Trailer - Refrigerated 40' Storage.....	160.83	
02 90 50 00-0200 DAY Trailer - Utility (Inclusive Of Mileage)	133.94	
02 90 50 00-0201 DAY Truck Mount, Per Wand Extraction	604.06	
02 90 50 00-0202 DAY Vacuum - HEPA Backpack	27.24	
02 90 50 00-0203 DAY Vacuum - Shop Vacuum.....	27.24	
02 90 50 00-0204 DAY Vacuum - Commercial	81.73	
02 90 50 00-0205 DAY 12 Gallon, Vacuum - HEPA Industrial.....	92.63	
02 90 50 00-0206 DAY Vacuum - Upright.....	17.75	
02 90 50 00-0207 DAY Zip Walls (Per 2 Poles)	27.24	
02 90 50 00-0208 DAY 2 Way Radio.....	21.80	
02 90 50 00-0209 Technical/Electronics Restoration Equipment (02 90 50 00-0125)		
02 90 50 00-0210 DAY Computer - Diagnostic	32.33	
02 90 50 00-0211 WK Computer - Diagnostic	88.91	
02 90 50 00-0212 MO Computer - Diagnostic	242.48	
02 90 50 00-0213 DAY Convection Oven - Large	469.59	
02 90 50 00-0214 WK Convection Oven - Large	1,291.36	
02 90 50 00-0215 MO Convection Oven - Large	3,521.90	
02 90 50 00-0216 DAY Convection Oven - Small	116.39	
02 90 50 00-0217 WK Convection Oven - Small	320.07	
02 90 50 00-0218 MO Convection Oven - Small	872.91	
02 90 50 00-0219 DAY Convection Oven - Vacuum	670.22	
02 90 50 00-0220 WK Convection Oven - Vacuum	1,843.11	
02 90 50 00-0221 MO Convection Oven - Vacuum	5,026.68	
02 90 50 00-0222 DAY Decontamination Booth.....	554.04	
02 90 50 00-0223 WK Decontamination Booth.....	1,523.60	
02 90 50 00-0224 MO Decontamination Booth.....	4,155.28	
02 90 50 00-0225 DAY DI Water System.....	43.03	
02 90 50 00-0226 WK DI Water System.....	118.34	
02 90 50 00-0227 MO DI Water System.....	322.74	
02 90 50 00-0228 DAY ESD Bench Workstation	26.36	
02 90 50 00-0229 WK ESD Bench Workstation	72.48	
02 90 50 00-0230 MO ESD Bench Workstation	197.68	
02 90 50 00-0231 DAY Heater/Enclosure Control System.....	19.40	
02 90 50 00-0232 WK Heater/Enclosure Control System.....	53.34	
02 90 50 00-0233 MO Heater/Enclosure Control System.....	145.48	
02 90 50 00-0234 DAY Hi-Tech Mobile Cart/Workstation	67.78	
02 90 50 00-0235 WK Hi-Tech Mobile Cart/Workstation	186.38	
02 90 50 00-0236 MO Hi-Tech Mobile Cart/Workstation	508.32	
02 90 50 00-0237 DAY Micro-Blaster/Dust Collector	290.97	
02 90 50 00-0238 WK Micro-Blaster/Dust Collector	800.17	
02 90 50 00-0239 MO Micro-Blaster/Dust Collector	2,182.28	
02 90 50 00-0240 DAY Mobile Laboratory	808.25	
02 90 50 00-0241 WK Mobile Laboratory	2,222.69	
02 90 50 00-0242 MO Mobile Laboratory	6,061.88	
02 90 50 00-0243 DAY Nitrogen Enclosure Cabinet	15.52	
02 90 50 00-0244 WK Nitrogen Enclosure Cabinet	42.68	
02 90 50 00-0245 MO Nitrogen Enclosure Cabinet	116.39	
02 90 50 00-0246 DAY Odell Cleaning Station	452.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0247 WK Odell Cleaning Station.....	1,244.70	
02 90 50 00-0248 MO Odell Cleaning Station.....	3,394.65	
02 90 50 00-0249 DAY Parts Washer.....	32.33	
02 90 50 00-0250 WK Parts Washer.....	88.91	
02 90 50 00-0251 MO Parts Washer.....	242.48	
02 90 50 00-0252 DAY Ultrasonic Cleaning System.....	201.71	
02 90 50 00-0253 WK Ultrasonic Cleaning System.....	554.71	
02 90 50 00-0254 MO Ultrasonic Cleaning System.....	1,512.84	
02 90 50 00-0255 DAY Vacuum - HEPA Technical.....	107.58	
02 90 50 00-0256 WK Vacuum - HEPA Technical.....	295.84	
02 90 50 00-0257 MO Vacuum - HEPA Technical.....	806.85	
02 90 50 00-0258 Drying/Dehumidification Equipment (02 90 50 00-0125)		
02 90 50 00-0259 DAY Water Extraction Unit With Dual 3-Stage Vacuums, 202 CFM.....	136.22	
Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.		
02 90 50 00-0260 WK Water Extraction Unit With Dual 3-Stage Vacuums, 202 CFM.....	374.62	
Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.		
02 90 50 00-0261 MO Water Extraction Unit With Dual 3-Stage Vacuums, 202 CFM.....	1,021.68	
Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.		
02 90 50 00-0262 DAY 2,200 CFM Centrifugal Air Mover.....	31.78	
02 90 50 00-0263 WK 2,200 CFM Centrifugal Air Mover.....	87.40	
02 90 50 00-0264 MO 2,200 CFM Centrifugal Air Mover.....	238.37	
02 90 50 00-0265 DAY 3,000 CFM Axial Air Mover.....	52.97	
02 90 50 00-0266 WK 3,000 CFM Axial Air Mover.....	145.67	
02 90 50 00-0267 MO 3,000 CFM Axial Air Mover.....	397.29	
02 90 50 00-0268 DAY Injectidry System.....	168.92	
02 90 50 00-0269 WK Injectidry System.....	464.53	
02 90 50 00-0270 MO Injectidry System.....	1,266.89	
02 90 50 00-0271 DAY 1200 Drizair Refrigerant Dehumidifier.....	108.98	
02 90 50 00-0272 WK 1200 Drizair Refrigerant Dehumidifier.....	299.69	
02 90 50 00-0273 MO 1200 Drizair Refrigerant Dehumidifier.....	817.35	
02 90 50 00-0274 DAY 2000 Drizair Refrigerant Dehumidifier.....	161.65	
02 90 50 00-0275 WK 2000 Drizair Refrigerant Dehumidifier.....	444.54	
02 90 50 00-0276 MO 2000 Drizair Refrigerant Dehumidifier.....	1,212.38	
02 90 50 00-0277 DAY 2400 Drizair Refrigerant Dehumidifier.....	150.50	
02 90 50 00-0278 WK 2400 Drizair Refrigerant Dehumidifier.....	413.86	
02 90 50 00-0279 MO 2400 Drizair Refrigerant Dehumidifier.....	1,128.72	
02 90 50 00-0280 DAY Phoenix 200 Refrigerant Dehumidifier.....	160.87	
02 90 50 00-0281 WK Phoenix 200 Refrigerant Dehumidifier.....	442.40	
02 90 50 00-0282 MO Phoenix 200 Refrigerant Dehumidifier.....	1,206.56	
02 90 50 00-0283 DAY Phoenix 300 Refrigerant Dehumidifier.....	155.00	
02 90 50 00-0284 WK Phoenix 300 Refrigerant Dehumidifier.....	426.25	
02 90 50 00-0285 MO Phoenix 300 Refrigerant Dehumidifier.....	1,162.50	
02 90 50 00-0286 DAY D-500 Desiccant Dehumidifier.....	181.63	
02 90 50 00-0287 WK D-500 Desiccant Dehumidifier.....	499.49	
02 90 50 00-0288 MO D-500 Desiccant Dehumidifier.....	1,362.24	
02 90 50 00-0289 DAY D-750 Desiccant Dehumidifier.....	381.43	
02 90 50 00-0290 WK D-750 Desiccant Dehumidifier.....	1,048.93	
02 90 50 00-0291 MO D-750 Desiccant Dehumidifier.....	2,860.71	
02 90 50 00-0292 DAY D-1000 Desiccant Dehumidifier.....	653.88	
02 90 50 00-0293 WK D-1000 Desiccant Dehumidifier.....	1,798.16	
02 90 50 00-0294 MO D-1000 Desiccant Dehumidifier.....	4,904.08	
02 90 50 00-0295 DAY D-1500 Desiccant Dehumidifier.....	1,006.76	
02 90 50 00-0296 WK D-1500 Desiccant Dehumidifier.....	2,768.60	
02 90 50 00-0297 MO D-1500 Desiccant Dehumidifier.....	7,550.72	
02 90 50 00-0298 DAY D-2000 Desiccant Dehumidifier.....	1,006.76	
02 90 50 00-0299 WK D-2000 Desiccant Dehumidifier.....	2,768.60	
02 90 50 00-0300 MO D-2000 Desiccant Dehumidifier.....	7,550.72	
02 90 50 00-0301 DAY D-2250 Desiccant Dehumidifier.....	1,051.39	
02 90 50 00-0302 WK D-2250 Desiccant Dehumidifier.....	2,891.33	
02 90 50 00-0303 MO D-2250 Desiccant Dehumidifier.....	7,885.45	
02 90 50 00-0304 DAY D-3000 Desiccant Dehumidifier.....	1,307.75	
02 90 50 00-0305 WK D-3000 Desiccant Dehumidifier.....	3,596.32	
02 90 50 00-0306 MO D-3000 Desiccant Dehumidifier.....	9,808.16	
02 90 50 00-0307 DAY D-4500 Desiccant Dehumidifier.....	1,471.22	
02 90 50 00-0308 WK D-4500 Desiccant Dehumidifier.....	4,045.86	
02 90 50 00-0309 MO D-4500 Desiccant Dehumidifier.....	11,034.17	
02 90 50 00-0310 DAY D-5000 Desiccant Dehumidifier.....	1,580.20	
02 90 50 00-0311 WK D-5000 Desiccant Dehumidifier.....	4,345.56	
02 90 50 00-0312 MO D-5000 Desiccant Dehumidifier.....	11,851.52	
02 90 50 00-0313 DAY D-9000 Desiccant Dehumidifier.....	2,075.80	
02 90 50 00-0314 WK D-9000 Desiccant Dehumidifier.....	5,708.45	
02 90 50 00-0315 MO D-9000 Desiccant Dehumidifier.....	15,568.50	
02 90 50 00-0316 DAY D-10500 Desiccant Dehumidifier.....	2,179.59	
02 90 50 00-0317 WK D-10500 Desiccant Dehumidifier.....	5,993.87	
02 90 50 00-0318 MO D-10500 Desiccant Dehumidifier.....	16,346.92	
02 90 50 00-0319 DAY DX Unit - Heating / Air Conditioning (3.5 Ton).....	354.18	
02 90 50 00-0320 WK DX Unit - Heating / Air Conditioning (3.5 Ton).....	974.00	
02 90 50 00-0321 MO DX Unit - Heating / Air Conditioning (3.5 Ton).....	2,656.38	
02 90 50 00-0322 DAY DX Unit - Heating / Air Conditioning (5 Ton).....	490.41	

02 Existing Conditions**02 90 Disaster Recovery****02 90 50 Cleaning And Emergency Clean-up**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0323 WK DX Unit - Heating / Air Conditioning (5 Ton)	1,348.62	
02 90 50 00-0324 MO DX Unit - Heating / Air Conditioning (5 Ton)	3,678.06	
02 90 50 00-0325 DAY DX Unit - Heating / Air Conditioning (10 Ton)	653.88	
02 90 50 00-0326 WK DX Unit - Heating / Air Conditioning (10 Ton)	1,798.16	
02 90 50 00-0327 MO DX Unit - Heating / Air Conditioning (10 Ton)	4,904.08	
02 90 50 00-0328 DAY DX Unit - Heating / Air Conditioning (25 Ton)	871.84	
02 90 50 00-0329 WK DX Unit - Heating / Air Conditioning (25 Ton)	2,397.55	
02 90 50 00-0330 MO DX Unit - Heating / Air Conditioning (25 Ton)	6,538.77	
02 90 50 00-0331 DAY DX Unit - Heating / Air Conditioning (50 Ton)	1,471.22	
02 90 50 00-0332 WK DX Unit - Heating / Air Conditioning (50 Ton)	4,045.86	
02 90 50 00-0333 MO DX Unit - Heating / Air Conditioning (50 Ton)	11,034.17	
02 90 50 00-0334 DAY DX Unit - Heating / Air Conditioning (80 Ton)	1,634.69	
02 90 50 00-0335 WK DX Unit - Heating / Air Conditioning (80 Ton)	4,495.40	
02 90 50 00-0336 MO DX Unit - Heating / Air Conditioning (80 Ton)	12,260.19	
02 90 50 00-0337 DAY Flex Duct - 25'	21.80	
02 90 50 00-0338 WK Flex Duct - 25'	59.94	
02 90 50 00-0339 MO Flex Duct - 25'	163.47	
02 90 50 00-0340 DAY Hygro Thermograph	32.33	
02 90 50 00-0341 WK Hygro Thermograph	88.91	
02 90 50 00-0342 MO Hygro Thermograph	242.48	
02 90 50 00-0343 DAY Dehumidification Trailer With 1,500 CFM Desiccant Unit	5,122.95	
Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.		
02 90 50 00-0344 WK Dehumidification Trailer With 1,500 CFM Desiccant Unit	14,088.11	
Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.		
02 90 50 00-0345 MO Dehumidification Trailer With 1,500 CFM Desiccant Unit	38,422.12	
Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.		
02 90 50 00-0346 Power Equipment (02 90 50 00-0125)		
02 90 50 00-0347 WK Generator, Up to 65 KVA	674.64	
02 90 50 00-0348 WK Generator, Up to 125 KVA	1,141.69	
02 90 50 00-0349 WK Generator, Up to 250 KVA	1,112.41	
02 90 50 00-0350 WK Generator, Up to 375 KVA	1,920.12	
02 90 50 00-0351 WK Generator, Up to 440 KVA	2,594.75	
02 90 50 00-0352 WK Generator, Up to 625 KVA	3,903.20	
02 90 50 00-0353 WK Generator, Up to 800 KVA	3,995.92	
02 90 50 00-0354 WK Generator, Up to 1,000 KVA	5,345.18	
02 90 50 00-0355 WK Generator, Up to 1,500 KVA	8,043.72	
02 90 50 00-0356 EA Generator Cable/Pigtails (Per Section)	17.44	
02 90 50 00-0357 EA Sub-Distribution Panel (Spider Box)	83.55	
02 90 50 00-0358 EA Electrical Distribution Panel	201.71	
02 90 50 00-0359 EA Quad Box Strings (25' Sections)	31.40	
02 90 50 00-0360 EA 50' Power Cord For Spider Box	29.06	
02 90 50 00-0361 EA Pig Tails (Per Each)	3.23	
02 90 50 00-0362 Freight Charges (02 90 50 00-0125)		
02 90 50 00-0363 MI Freight Up To 1 Ton Pick Up Truck For Emergency Clean-up Equipment	1.62	
02 90 50 00-0364 MI Freight >1 Ton Pick Up Truck For Emergency Clean-up Equipment	2.91	
02 90 50 00-0365 MI Freight 16' Or 24' Box Truck For Emergency Clean-up Equipment	2.91	
02 90 50 00-0366 MI Freight Tractor Trailer For Emergency Clean-up Equipment	4.20	
02 90 50 00-0367 Emergency Clean-up Personal Protection Equipment (02 90 50)		
Note: Used in the performance of time and material projects. Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.		
02 90 50 00-0368 EA Tyvek Suit	9.02	
02 90 50 00-0369 EA Cartridge - Respirator	31.51	
02 90 50 00-0370 BOX Dust Mask	35.13	
02 90 50 00-0371 PR Gloves - Cotton	2.42	
02 90 50 00-0372 BOX Gloves - Latex	16.35	
02 90 50 00-0373 PR Gloves - Leather	8.18	
02 90 50 00-0374 EA Gloves - Rubber (Heavy Duty)	13.96	
02 90 50 00-0375 PR Polycarbonate Lens Safety Goggles	9.57	
02 90 50 00-0376 EA Respirator - With One Pair Cartridges	80.22	
02 90 50 00-0377 PR Safety Glasses	4.19	
02 90 50 00-0378 EA Safety Harness (Per Person/Day)	5.45	
02 90 50 00-0379 Emergency Clean-up Expendables (02 90 50)		
Note: Used in the performance of time and material projects. Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.		
02 90 50 00-0380 General Materials (02 90 50 00-0379)		
02 90 50 00-0381 GAL Adhesive Remover	81.73	
02 90 50 00-0382 GAL Bio-HS	27.56	
02 90 50 00-0383 GAL Biocide	35.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0384 EA Box - Book	4.31	
02 90 50 00-0385 EA Box - Large	6.54	
02 90 50 00-0386 GAL Bleach.....	8.79	
02 90 50 00-0387 EA Brush - Stainless - Small.....	5.38	
02 90 50 00-0388 EA Buckets - 2 1/2 Gal.....	6.83	
02 90 50 00-0389 EA Buckets - 5 Gallon	10.35	
02 90 50 00-0390 GAL Carpet Defoamer	26.61	
02 90 50 00-0391 GAL Carpet Pre-treat	19.90	
02 90 50 00-0392 GAL Carpet Spotter	33.35	
02 90 50 00-0393 GAL Carpet/Upholstery Cleaner	26.90	
02 90 50 00-0394 ROL Carpet Masking/Shield.....	74.61	
02 90 50 00-0395 EA Chem Sponge.....	3.22	
02 90 50 00-0396 GAL Clear Seal.....	109.89	
02 90 50 00-0397 GAL Coil Cleaner	51.37	
02 90 50 00-0398 EA Comfort Masks, Per Box 50	37.75	
02 90 50 00-0399 EA Coverall - Bio-Hazard	16.69	
02 90 50 00-0400 EA Decon Chamber	223.41	
02 90 50 00-0401 GAL Degreaser, All Purpose.....	35.96	
02 90 50 00-0402 GAL De-Foamer Liquid.....	47.27	
02 90 50 00-0403 EA Deodorization Membrane.....	92.67	
02 90 50 00-0404 GAL Deodorizer, 9D9.....	141.29	
02 90 50 00-0405 LB Deodorizing Gel	33.19	
02 90 50 00-0406 GAL Deodorizing Liquid	49.14	
02 90 50 00-0407 PAIL Deodorizing Block.....	8.34	
02 90 50 00-0408 GAL Disinfectant/Antimicrobial.....	86.12	
02 90 50 00-0409 GAL Disinfectant, BruClean	26.16	
02 90 50 00-0410 GAL Dryclene.....	38.62	
02 90 50 00-0411 GAL Duct Sealant Spray.....	58.19	
02 90 50 00-0412 GAL Duct Sealant, Antifungal	84.06	
02 90 50 00-0413 GAL Microbial Encapsulant (Fosters 20 - 40)	127.41	
02 90 50 00-0414 PR Ear Plugs	0.52	
02 90 50 00-0415 GAL Encapsulant	88.22	
02 90 50 00-0416 GAL Fiberlocke - Aftershock	77.46	
02 90 50 00-0417 GAL Fiberlocke - IAQ 2500	99.81	
02 90 50 00-0418 GAL Fiberlocke - IAS 6000	102.65	
02 90 50 00-0419 ROL Filter Material.....	200.37	
02 90 50 00-0420 EA Filter, Blue Paper Collection Bag.....	5.40	
02 90 50 00-0421 EA Filter, CVAC For HEPA Vacuum.....	428.55	
02 90 50 00-0422 EA Filter, Pre-Filter For Negative Air Machine.....	2.06	
02 90 50 00-0423 EA Filter, Pleated For Negative Air Machine	9.15	
02 90 50 00-0424 EA Filter, Charcoal For Negative Air Machine	32.59	
02 90 50 00-0425 EA Filter, HEPA For Negative Air Machine.....	309.96	
02 90 50 00-0426 EA Filter, Pleated For Dehumidifiers	8.18	
02 90 50 00-0427 GAL Floor Stripper.....	18.10	
02 90 50 00-0428 GAL Floor Wax	25.86	
02 90 50 00-0429 GAL Fogger (Thermal).....	149.85	
02 90 50 00-0430 BOX Furniture Blocks	120.70	
02 90 50 00-0431 EA Furniture Polish, Per Can.....	16.26	
02 90 50 00-0432 GAL Glass Cleaner	10.85	
02 90 50 00-0433 PR Chemical Splash/Impact Resistant, Polycarbonate Lens Safety Goggles	15.78	
02 90 50 00-0434 EA Goof Off Spray, 12 Oz	12.97	
02 90 50 00-0435 EA Halogen Light Bulbs.....	18.47	
02 90 50 00-0436 QT Hand Sanitizer	9.13	
02 90 50 00-0437 EA Hard Hats.....	7.52	
02 90 50 00-0438 BOX Hog Rings, Box Of 2,500	15.81	
02 90 50 00-0439 GAL HVAC Coal Cleaner.....	51.37	
02 90 50 00-0440 BOX Inventory Tag, Box Of 1,000	111.19	
02 90 50 00-0441 EA Knives - Utility	14.23	
02 90 50 00-0442 ROL Lay Flat Tubing, 13" (250' Roll).....	95.38	
02 90 50 00-0443 ROL Lay Flat Tubing, 20" (250' Roll).....	100.70	
02 90 50 00-0444 ROL Lay Flat Tubing, 29" (250' Roll).....	200.49	
02 90 50 00-0445 ROL Lay Flat Tubing, 39" (250' Roll).....	289.79	
02 90 50 00-0446 GAL Lemon Oil	43.59	
02 90 50 00-0447 GAL LPS 1/Mecca Lube	46.99	
02 90 50 00-0448 GAL LPS 2.....	49.74	
02 90 50 00-0449 GAL LPS Contact Cleaner	49.50	
02 90 50 00-0450 GAL Lubricant, Preserver (Light)	116.07	
02 90 50 00-0451 GAL Lubricant, Preserver (Heavy)	25.86	
02 90 50 00-0452 GAL Machinery Cleaning Solvent.....	208.70	
02 90 50 00-0453 GAL Metal Polishing Paste	21.48	
02 90 50 00-0454 GAL Microban.....	52.27	
02 90 50 00-0455 GAL Milgo	64.16	
02 90 50 00-0456 EA Mop Heads	7.74	
02 90 50 00-0457 EA Nylon Scouring Pads	1.42	
02 90 50 00-0458 GAL Odor Neutralizer	33.35	
02 90 50 00-0459 EA Packing Paper, 25 LB Bundle.....	57.82	
02 90 50 00-0460 EA Paint Brushes	6.47	
02 90 50 00-0461 ROL Paper, Corrugated/Craft	134.84	
02 90 50 00-0462 EA Putty Knives.....	5.86	
02 90 50 00-0463 ROL Red Resin Paper, 200' Roll.....	29.42	
02 90 50 00-0464 GAL Reodorant.....	109.92	

02 Existing Conditions**02 90 Disaster Recovery****02 90 50 Cleaning And Emergency Clean-up**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 90 50 00-0465	EA	Respirator - N95.....	3.77
02 90 50 00-0466	EA	Respirator - N95 With valve	5.85
02 90 50 00-0467	PR	Respirator Cartridges - 3M.....	39.21
02 90 50 00-0468	PR	Respirator Cartridges -P100	39.21
02 90 50 00-0469	EA	Respirator Cleaning Wipes, Per Box 100.....	31.37
02 90 50 00-0470	GAL	Restoracide.....	51.56
02 90 50 00-0471	GAL	Rust Remover	76.29
02 90 50 00-0472	EA	Saltesmo Test Samples	7.09
02 90 50 00-0473	EA	Sand Bag, Excluding Sand	1.86
02 90 50 00-0474	EA	Scotch-Brite 7447, Per Box 50.....	23.16
02 90 50 00-0475	EA	Sm. Scrub Brushes.....	12.37
02 90 50 00-0476	GAL	Soot Sealant, Clear.....	88.47
02 90 50 00-0477	GAL	Soot Sealant, Pigmented	238.59
02 90 50 00-0478	ROL	Shrinkwrap Plastic	54.93
02 90 50 00-0479	EA	Sponges - Dry.....	4.30
02 90 50 00-0480	EA	Spray Adhesive, Per Can.....	5.73
02 90 50 00-0481	EA	Spray Bot./Trigger.....	4.99
02 90 50 00-0482	GAL	Stain Remover	30.12
02 90 50 00-0483	GAL	Stainless Steel Cleaner.....	10.79
02 90 50 00-0484	EA	Stainless Steel Polish, Per Can	14.17
02 90 50 00-0485	LB	Sweeping Compound.....	0.47
02 90 50 00-0486	ROL	Tape - Duct	11.21
02 90 50 00-0487	ROL	Tape - Environmental (Teal)	10.55
02 90 50 00-0488	ROL	Tape - HVAC (Aluminum)	28.45
02 90 50 00-0489	ROL	Tape - Blue Masking (Painters Tape)	15.01
02 90 50 00-0490	ROL	Tape - Poly Box	4.63
02 90 50 00-0491	LB	Terry Towels.....	6.66
02 90 50 00-0492	GAL	Thermal Fog.....	67.78
02 90 50 00-0493	ROL	Trash Bags - Lawn And Leaf	34.87
02 90 50 00-0494	ROL	Trash Bags - 6 Mil Heavy Duty (50 Count)	139.08
02 90 50 00-0495	EA	Trisodium Phosphaste, 20 LB Pail.....	47.19
02 90 50 00-0496	EA	Vacuum Bags - Backpack.....	1.59
02 90 50 00-0497	EA	Vacuum Bags - Upright.....	2.12
02 90 50 00-0498	GAL	Vinyl And Leather Cleaner	26.90
02 90 50 00-0499	ROL	Visqueen 1 Mil	45.18
02 90 50 00-0500	ROL	Visqueen 4 Mil	122.68
02 90 50 00-0501	ROL	Visqueen 6 Mil	167.39
02 90 50 00-0502	LB	Wipes, Cotton Cloth.....	4.74
02 90 50 00-0503	ROL	12" x 750", Wrap, Bubble / Anti-Static	137.78
02 90 50 00-0504	EA	Wyp-Alls, Case, 160 Wipes	13.45
02 90 50 00-0505	EA	Zip Wall Zippers	20.91

02 90 50 00-0506 Technical/Electronics Restoration Materials (02 90 50 00-0379)

02 90 50 00-0507	EA	Brush - Brass.....	4.85
02 90 50 00-0508	EA	Brush - Natural Bristle 1".....	1.55
02 90 50 00-0509	EA	Brush - Natural Bristle 1/2".....	1.29
02 90 50 00-0510	EA	Brush - Natural Bristle 1/4".....	1.10
02 90 50 00-0511	EA	Brush - Parts.....	6.72
02 90 50 00-0512	EA	Brush - Plastic.....	3.49
02 90 50 00-0513	EA	Brush - Wire Grout.....	7.53
02 90 50 00-0514	EA	Brushing Tool.....	14.52
02 90 50 00-0515	EA	Cleaning Swabs, Cotton	0.32
02 90 50 00-0516	EA	Cleaning Swabs, Foam Tip.....	0.39
02 90 50 00-0517	EA	Contact Restorer, Per Can.....	31.36
02 90 50 00-0518	EA	Contact Spray, Per Can.....	21.34
02 90 50 00-0519	UNIT	Corrosion Inhibitor Emitter - 1 CF	3.10
02 90 50 00-0520	UNIT	Corrosion Inhibitor Emitter - 5 CF	7.11
02 90 50 00-0521	UNIT	Corrosion Inhibitor Emitter - 10 CF	12.29
02 90 50 00-0522	LB	Cotton Cleaning Cloths	19.40
02 90 50 00-0523	EA	12" x 17" Dust Cloths	0.29
02 90 50 00-0524	EA	24" x 24" Dust Cloths	0.80
02 90 50 00-0525	EA	Deoxidizing Agent, Per Can.....	15.20
02 90 50 00-0526	GAL	Electronic Grade Detergent	32.27
02 90 50 00-0527	SHT	Inventory Labels.....	0.13
02 90 50 00-0528	GAL	Isopropyl Alcohol.....	85.53
02 90 50 00-0529	GAL	Lubrication/Penetrating Oil, Per Can.....	124.71
02 90 50 00-0530	GAL	PC Board Detergent.....	88.58
02 90 50 00-0531	GAL	Rust Inhibitor, Regular Duty	143.85
02 90 50 00-0532	GAL	Rust Inhibitor - Moderate Duty	144.93
02 90 50 00-0533	GAL	Rust Inhibitor - Severe Duty	154.92
02 90 50 00-0534	LB	Wipes - Lint Free Cloths	5.10
02 90 50 00-0535	EA	Wire Marker Card.....	2.26
02 90 50 00-0536	EA	Steel Wool, 16 Pad Sleeve	1.14

02 90 50 00-0537 Board Up And Tarp Up (02 90 50)

02 90 50 00-0538	SF	Polyethylene Tarp On Roof.....	0.22
02 90 50 00-0539	SF	Temporary Plywood On Roof.....	1.27
02 90 50 00-0540	SF	Temporary Plywood On Wall Or Windows.....	1.64



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0541 Minimum Charges (02 90 50)		
02 90 50 00-0542 EA Minimum For Cleaning.....	775.06	
02 90 50 00-0543 EA Minimum For Water Extraction	166.75	
02 90 50 00-0544 EA Minimum For Carpet Cleaning.....	155.18	
02 90 50 00-0545 Document Restoration (02 90 50)		
02 90 50 00-0546 EA Book Rebinding, Each	80.14	
02 90 50 00-0547 EA Book Recasing, Each	40.06	
02 90 50 00-0548 EA Boxes-MCS, 1.2 CF.....	5.04	
02 90 50 00-0549 EA Boxes-MCS, 2.0 CF.....	5.56	
02 90 50 00-0550 EA Boxes Bankers.....	12.80	
02 90 50 00-0551 EA Boxes Standard Packout	3.23	
02 90 50 00-0552 EA Boxes X Ray	8.02	
02 90 50 00-0553 EA CD Scanning and Diagnostics, Each	8.02	
02 90 50 00-0554 EA Cleaning Antique Books, Each	240.41	
02 90 50 00-0555 EA Cleaning Catheter Roll, Per Roll.....	32.05	
02 90 50 00-0556 EA Cleaning CD And DVD, Per Disc.....	3.22	
02 90 50 00-0557 EA Cleaning Level 1 - Blue Prints, Each	2.25	
02 90 50 00-0558 CF Cleaning Level 1 - Document Per CF	69.80	
02 90 50 00-0559 EA Cleaning Level 1 - Linen, Each	2.25	
02 90 50 00-0560 EA Cleaning Level 1 - Mylar, Each	2.25	
02 90 50 00-0561 EA Cleaning Level 2 - Blue Print, Each	2.80	
02 90 50 00-0562 CF Cleaning Level 2 - Document Per CF	104.61	
02 90 50 00-0563 EA Cleaning Level 2 - Linen, Each	2.80	
02 90 50 00-0564 EA Cleaning Level 2 - Mylar, Each	2.80	
02 90 50 00-0565 EA Cleaning Level 3 - Blue Prints, Each	3.97	
02 90 50 00-0566 CF Cleaning Level 3 - Document Per CF	139.58	
02 90 50 00-0567 EA Cleaning Level 3 - Linen, Each	3.97	
02 90 50 00-0568 EA Cleaning Level 3 - Mylar, Each	3.97	
02 90 50 00-0569 EA Cleaning Level 4 - All Fire-Blue Print, Each.....	5.56	
02 90 50 00-0570 EA Cleaning Level 4 - All Fire-Linen, Each.....	5.56	
02 90 50 00-0571 EA Cleaning Level 4 - All Fire-Mylar, Each.....	5.56	
02 90 50 00-0572 CF Cleaning Level 4 - Light Fire-Docum Per CF	174.44	
02 90 50 00-0573 EA Cleaning Level 5 - Severe Fire-Blue Print, Each.....	6.17	
02 90 50 00-0574 CF Cleaning Level 5 - Severe Fire-Docum Per CF.....	261.74	
02 90 50 00-0575 EA Cleaning Level 5 - Severe Fire-Linen, Each	6.17	
02 90 50 00-0576 EA Cleaning Level 5 - Severe Fire-Mylar, Each	6.17	
02 90 50 00-0577 EA Cleaning Microfiche Sheets, Each.....	2.19	
02 90 50 00-0578 EA Cleaning Microfiche Strips, Each.....	0.51	
02 90 50 00-0579 EA Cleaning Microfilm Rolls (In House), Per Roll.....	80.14	
02 90 50 00-0580 EA Cleaning Microfilm Rolls (Outside), Per Roll.....	112.20	
02 90 50 00-0581 EA Cleaning Photographs Negatives, Per Negative.....	2.19	
02 90 50 00-0582 EA Cleaning Photographs, Each	0.51	
02 90 50 00-0583 EA Cleaning Record Albums, Each	3.22	
02 90 50 00-0584 EA Cleaning VHS And Beta Tapes-In House, Each.....	8.02	
02 90 50 00-0585 EA Cleaning VHS And Beta Tapes-Outside, Each.....	32.05	
02 90 50 00-0586 EA Cleaning X Ray 1-1000, Per Film.....	2.99	
02 90 50 00-0587 EA Cleaning X Ray 1K-5K, Per Film.....	2.55	
02 90 50 00-0588 EA Cleaning X Ray 5K-Up, Per Film.....	2.00	
02 90 50 00-0589 EA Copying Clean Water, Per Page.....	0.29	
02 90 50 00-0590 EA Copying Greywater Fire, Per Page.....	0.87	
02 90 50 00-0591 CF Deodorization, Vapor Tech.....	5.51	
02 90 50 00-0592 CF Disinfectant-Fogging.....	11.24	
02 90 50 00-0593 EA Document Disposal In House No Shredding.....	42.82	
02 90 50 00-0594 EA Document Disposal In House With Shredding.....	11.69	
02 90 50 00-0595 CF Up To 150 CF, Drying-MCS Center.....	144.24	
02 90 50 00-0596 CF >150 To 500 CF, Drying-MCS Center.....	112.20	
02 90 50 00-0597 CF >500 CF, Drying-MCS Center.....	96.16	
02 90 50 00-0598 CF >50 To 150 CF, Drying-MCS Center.....	128.22	
02 90 50 00-0599 CF Up To 500 CF, Drying-Onsite.....	240.41	
02 90 50 00-0600 CF >500 CF, Drying-Onsite.....	147.48	
02 90 50 00-0601 EA Drying Antique Books, Each	32.05	
02 90 50 00-0602 EA Drying Blue Prints, Each.....	4.01	
02 90 50 00-0603 EA DVD Scanning And Diagnostics, Each	8.02	
02 90 50 00-0604 EA Freeze Drying (In House).....	72.65	
02 90 50 00-0605 EA Freeze Drying (Outside)	62.27	
02 90 50 00-0606 EA Up To 48 CF, Irradiation - Gamma (Minimum Charge).....	1,712.54	
02 90 50 00-0607 CF >48 CF, Irradiation - Gamma (Per CF Charge).....	15.57	
02 90 50 00-0608 EA Minimal Drying Jobs	721.34	
02 90 50 00-0609 EA Monthly Storage.....	134.48	
02 90 50 00-0610 EA Mylar Prints.....	8.02	
02 90 50 00-0611 CF Ozoning	4.95	
02 90 50 00-0612 CF Stabilization Freezer Storage, Per Cubic Foot Per Month	6.27	
02 90 50 00-0613 MO Stabilization Freezer Storage, Per Page-Per Month	0.08	
02 90 50 00-0614 EA Wood Pallets, Each	17.43	

02	02 Existing Conditions
	02 90 Disaster Recovery
	02 90 50 Cleaning And Emergency Clean-up



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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END OF SECTION 02



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 Concrete

03 01 Maintenance Of Concrete ⁽⁰³⁾

03 01 30 Maintenance Of Cast-In-Place Concrete ^(03 01)

03 01 30 51 **Cleaning Of Cast-In-Place Concrete** ^(03 01 30)

03 01 30 51-0001	Abrasive Blasting ^(03 01 30 51) Note: Includes containment and clean-up of all material. Includes steel ball media.	
03 01 30 51-0002	SF Concrete Floors, Abrasive Shot Blasting	1.98
	For Up To 100, Add	2.42
	For >100 To 250, Add	0.61
	For >250 To 500, Add	0.30
	For >5,000 To 10,000, Deduct	-0.06
	For >10,000, Deduct	-0.12
03 01 30 51-0003	SF Concrete Walls, Abrasive Shot Blasting	3.19
	For Up To 100, Add	4.84
	For >100 To 250, Add	1.21
	For >250 To 500, Add	0.61
	For >5,000 To 10,000, Deduct	-0.12
	For >10,000, Deduct	-0.24

03 01 30 71 **Rehabilitation Of Cast-in-Place Concrete** ^(03 01 30)

03 01 30 71-0001	Concrete Resurfacing/Repair ^(03 01 30 71) See CSI section 09 91 43 00-0002 for surface preparation as required.	
03 01 30 71-0002	Concrete Repair ^(03 01 30 71-0001)	
03 01 30 71-0003	Decks Or Floors ^(03 01 30 71-0002) Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.	
03 01 30 71-0004	SF 1/8" To 1/4", Cementitious Mortar Patch, Decks And Floors.....	5.39
03 01 30 71-0005	SF 1/8" To 1/4", Epoxy Cementitious Mortar Patch, Decks And Floors.....	17.91
03 01 30 71-0006	SF White Aluminum Oxide Grit (Non Slip Aggregate) Patch, Decks And Floors.....	0.50
03 01 30 71-0007	Verticals Or Overheads ^(03 01 30 71-0002) Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.	
03 01 30 71-0008	SF 1/8" To 1/4" Cementitious Mortar Patch, Verticals And Overheads	8.02
03 01 30 71-0009	SF 1/8" To 1/4" Epoxy Cementitious Mortar Patch, Verticals And Overheads	23.94
03 01 30 71-0010	SF 1/8" To 1/4" Latex Cementitious Mortar Patch, Verticals And Overheads	27.10
03 01 30 71-0011	SF 1/8" To 1/4" Elastomeric Compound Patch, Verticals And Overheads.....	6.02
03 01 30 71-0012	SF 1/8" To 1/4" Copolymer Cementitious Compound Patch, Verticals And Overheads.....	10.48
	Note: Rapid Set - Wunderfixx	
03 01 30 71-0013	Bridge Deck Treatment ^(03 01 30 71-0002)	
03 01 30 71-0014	SF Sweep Bridge Deck	0.01
03 01 30 71-0015	SF Clean Bridge Deck.....	0.02
03 01 30 71-0016	SF Treat Bridge Deck With Methacrylate Resin Sealant	1.41
03 01 30 71-0017	Concrete Finishes ^(03 01 30 71-0001)	
03 01 30 71-0018	Concrete Patching ^(03 01 30 71-0017)	
03 01 30 71-0019	Walls ^(03 01 30 71-0018)	
03 01 30 71-0020	BAG Sika Top 111 Plus.....	106.57
	Note: SikaTop 111 PLUS is a two-component, polymer-modified, portland-cement, fast-setting, screed mortar. Yield: Approximately 0.5 cu. ft./unit. Approximately 0.75 cu. ft./unit (SikaTop 111 + 42 lbs. of 3/8" pea gravel).	
	For Up To 10, Add	35.20
	For >10 To 25, Add	21.12
	For >25 To 50, Add	14.08
	For >50 To 75, Add	7.04
03 01 30 71-0021	BAG Sika Grout 212, 50 LB Bag	74.74
	Note: SikaGrout 212 is a non-shrink, cementitious grout with a unique 2-stage shrinkage compensating mechanism. It is non-metallic and contains no chloride. Coverage: Approximately 0.44 cu. ft./bag at high flow.	
	For Up To 10, Add	22.30
	For >10 To 25, Add	13.38
	For >25 To 50, Add	8.92
	For >50 To 75, Add	4.46
03 01 30 71-0022	EA Sika Flex 1A, 10.3 Ounce Tube	28.87
	Note: Sikaflex-1a is a premium-grade, high-performance, moisture-cured, 1-component, polyurethane-based, non-sag elastomeric sealant. Coverage: 10.3 fl. oz. cartridge seals 12.4 lineal ft. of 1/2 x 1/4 in. joint. 20 fl. oz. uni-pac sausage seals 24 lineal ft. of 1/2 x 1/4 in. joint.	
03 01 30 71-0023	BAG Pea Gravel.....	20.42

03 01 30 71-0024 **Crack Repair For Concrete** ^(03 01 30 71-0001)

03 Concrete**03 01 Maintenance Of Concrete****03 01 30 Maintenance Of Cast-In-Place Concrete**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
03 01 30 71-0025		Non Structural Crack Repair For Concrete <small>(03 01 30 71-0024)</small>			
03 01 30 71-0026		Surface Applied, Non Structural Crack Repair For Concrete <small>(03 01 30 71-0025)</small> Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing sealer with caulk gun, cartridge gun, squeeze bottle, etc. Excludes backer rod and sanding.			
03 01 30 71-0027	LF	Up To 1/4" Wide, Latex Emulsion, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal).....	5.01		
		<i>For V-Grooving Crack With Grinder, Add</i>	4.04		
03 01 30 71-0028	LF	>1/4" To 1/2" Wide, Latex Emulsion, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal).....	6.54		
		<i>For V-Grooving Crack With Grinder, Add</i>	3.94		
03 01 30 71-0029	LF	Up To 1/4" Wide, Sanded Acrylic Latex, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair).....	5.09		
		<i>For V-Grooving Crack With Grinder, Add</i>	4.04		
03 01 30 71-0030	LF	>1/4" To 1/2" Wide, Sanded Acrylic Latex, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair).....	6.69		
		<i>For V-Grooving Crack With Grinder, Add</i>	3.94		
03 01 30 71-0031	LF	Up To 1/4" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant).....	5.37		
		<i>For V-Grooving Crack With Grinder, Add</i>	4.04		
03 01 30 71-0032	LF	>1/4" To 1/2" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant).....	7.25		
		<i>For V-Grooving Crack With Grinder, Add</i>	3.94		
03 01 30 71-0033	LF	Up To 1/4" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix).....	5.57		
		<i>For V-Grooving Crack With Grinder, Add</i>	4.04		
03 01 30 71-0034	LF	>1/4" To 1/2" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix).....	7.65		
		<i>For V-Grooving Crack With Grinder, Add</i>	3.94		
03 01 30 71-0035		Pressure Injected, Non Structural Crack Repair For Concrete <small>(03 01 30 71-0025)</small> Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with polyurethane and restoring the sealed surface to flush conditions. Excludes disposal.			
03 01 30 71-0036	LF	Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (SealBoss 1570).....	21.02		
		<i>For Cracks Accessible From Both Sides, Add</i>	4.27		
03 01 30 71-0037		Structural Crack Repair For Concrete <small>(03 01 30 71-0024)</small>			
03 01 30 71-0038		Surface Applied, Structural Crack Repair For Concrete <small>(03 01 30 71-0037)</small> Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Excludes disposal.			
03 01 30 71-0039	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35).....	5.62		
		<i>For V-Grooving Crack With Grinder, Add</i>	4.04		
03 01 30 71-0040	LF	>1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35).....	7.76		
		<i>For V-Grooving Crack With Grinder, Add</i>	3.94		
03 01 30 71-0041	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied Trowel (Sikadur® 52).....	5.81		
		<i>For V-Grooving Crack With Grinder, Add</i>	4.04		
03 01 30 71-0042	LF	>1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 52).....	8.14		
		<i>For V-Grooving Crack With Grinder, Add</i>	3.94		
03 01 30 71-0043	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix).....	6.42		
		<i>For V-Grooving Crack With Grinder, Add</i>	4.04		
03 01 30 71-0044	LF	>1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix).....	9.36		
		<i>For V-Grooving Crack With Grinder, Add</i>	3.94		
03 01 30 71-0045		Pressure Injected, Structural Crack Repair For Concrete <small>(03 01 30 71-0037)</small> Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with epoxy and restoring the sealed surface to flush conditions. Excludes disposal.			
03 01 30 71-0046	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 35).....	18.84		
		<i>For Cracks Accessible From Both Sides, Add</i>	4.27		
03 01 30 71-0047	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 52).....	19.03		
		<i>For Cracks Accessible From Both Sides, Add</i>	4.27		
03 01 30 71-0048		Pool Deck Texture Repair <small>(03 01 30 71-0001)</small>			
03 01 30 71-0049	SF	Pool Deck Texture Repair.....	11.91		
		Note: Includes surface preparation, cleaning, repair of surface, crack repair, liquid underlayment coat, troweled top coat and finish.			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 01 30 71-0050		Carbon Fiber Strengthening System <small>(03 01 30 71-0001)</small> Note: Includes preparing surface, dust and debris removal by hand, clean and protect adjacent area, fill voids, primer, fabric substrate layers, final coat of epoxy and finish. Excludes disposal.		
03 01 30 71-0051	SF	Carbon Fiber Strengthening System Beams, Per Layer	62.32	
03 01 30 71-0052	SF	Carbon Fiber Strengthening System Columns, Per Layer	54.55	
03 01 30 71-0053	SF	Carbon Fiber Strengthening System Slabs, Per Layer	47.74	
		Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.		
03 01 30 71-0054		Corrosive Inhibitor <small>(03 01 30 71)</small>		
03 01 30 71-0055	SF	Corrosive Inhibitor.....	3.32	

03 05 Common Work Results For Concrete (03)

03 05 13 Concrete Admixtures (03 05)

03 05 13 00-0001		Concrete Admixtures <small>(03 05 13)</small>		
03 05 13 00-0002	CY	Low Range Water Reducing (LRWR), Type A Concrete Admixture	3.71	
03 05 13 00-0003	CY	Set Retarding, Type B Concrete Admixture	2.57	
03 05 13 00-0004	CY	1% Calcium Chloride Accelerating, Type C Concrete Admixture.....	4.00	
03 05 13 00-0005	CY	2% Calcium Chloride Accelerating, Type C Concrete Admixture.....	8.00	
03 05 13 00-0006	CY	1% Non-Chloride Accelerating, Type C Concrete Admixture.....	7.14	
03 05 13 00-0007	CY	2% Non-Chloride Accelerating, Type C Concrete Admixture	14.28	
03 05 13 00-0008	CY	Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture	3.08	
03 05 13 00-0009	CY	1% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	4.28	
03 05 13 00-0010	CY	2% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	8.57	
03 05 13 00-0011	CY	Mid Range Water Reducing (MRWR) Superplasticizer, Type A Or E Concrete Admixture	5.15	
03 05 13 00-0012	CY	High Range Water Reducing (HRWR) Superplasticizer, Type F Concrete Admixture.....	6.85	
03 05 13 00-0013	CY	1-1/2 LB/CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture	9.14	
03 05 13 00-0014	CY	25 LB/CY Steel Fibers, Concrete Admixture.....	23.16	
03 05 13 00-0015	CY	10% Microsilica (Silica Fume), Concrete Admixture	82.47	
03 05 13 00-0016	CY	Corrosion Inhibiting Concrete Admixture	17.13	
03 05 13 00-0017	CY	Winter Service Or Heat, Concrete Add.....	4.00	
03 05 13 00-0018	CY	Chilled Water, Concrete Add	4.00	
03 05 13 00-0019	CY	Subtle Color (See Davis Colors Color Card), Concrete Admixture	23.13	
03 05 13 00-0020	CY	Standard Color (See Davis Colors Color Card), Concrete Admixture.....	38.55	
03 05 13 00-0021	CY	Premium Color (See Davis Colors Color Card), Concrete Admixture	74.01	
03 05 13 00-0022	CY	Ultra Premium Color (See Davis Colors Color Card), Concrete Admixture	102.80	

03 10 Concrete Forming And Accessories (03)

03 11 Concrete Forming (03 10)

03 11 13 Structural Cast-In-Place Concrete Forming (03 11)

Note: Per square foot of formwork.

03 11 13 00-0001		Wood Formwork <small>(03 11 13)</small> Note: For job built wood and/or plywood form systems where metal framed formwork cannot be used. Includes erecting, stripping, stacking, plywood, framing lumber, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.		
03 11 13 00-0002		Foundation Wood Formwork <small>(03 11 13 00-0001)</small> Note: For foundation work below or at grade.		
03 11 13 00-0003	SF	Continuous Footings Foundation Wood Formwork.....	6.69	
		For <1,000, Add	1.26	
		For Foundations >8' Below Grade, Add	1.23	
		For Curved Formwork, Add	2.45	
03 11 13 00-0004	SF	Pile Cap, Pier Or Spread Footings Foundation Wood Formwork.....	8.01	
		For <1,000, Add	1.52	
		For Foundations >8' Below Grade, Add	1.49	
		For Curved Formwork, Add	2.97	
03 11 13 00-0005	SF	Mat Foundation Wood Formwork.....	9.30	
		For <1,000, Add	1.79	
		For Foundations >8' Below Grade, Add	1.75	
		For Curved Formwork, Add	3.50	
03 11 13 00-0006	SF	Grade Beams Or Duct Bank Foundation Wood Formwork	7.74	
		For <1,000, Add	1.48	
		For Foundations >8' Below Grade, Add	1.44	
		For Curved Formwork, Add	2.88	
03 11 13 00-0007	SF	Below Grade Walls Foundation Wood Formwork	10.98	
		Note: Excludes footing		
		For <1,000, Add	2.09	
		For Foundations >8' Below Grade, Add	2.04	
		For Curved Formwork, Add	4.07	

03 11 13 00-0008 Slab Edge And Block-Out Wood Formwork (03 11 13 00-0001)

03 Concrete**03 10 Concrete Forming And Accessories****03 11 Concrete Forming**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0009 LF Up To 6" High Slab Edge and Block-Out Wood Formwork .....5.20 <i>For Foundations >8' Below Grade, Add</i> <i>For Curved Formwork, Add</i> <i>For Up To 250, Add</i>	0.98 1.96 1.00	
03 11 13 00-0010 LF >6" To 12" High Slab Edge and Block-Out Wood Formwork .....7.41 <i>For Foundations >8' Below Grade, Add</i> <i>For Curved Formwork, Add</i> <i>For Up To 250, Add</i>	1.37 2.73 1.41	
03 11 13 00-0011 SF >12" High Slab Edge and Block-Out Wood Formwork .....9.56 <i>For Foundations >8' Below Grade, Add</i> <i>For Curved Formwork, Add</i> <i>For <1,000, Add</i>	1.77 3.55 1.82	
03 11 13 00-0012 Column Wood Formwork (03 11 13 00-0001)		
03 11 13 00-0013 LF Up To 8" Square Column Wood Formwork.....40.05		
03 11 13 00-0014 LF >8" To 12" Square Column Wood Formwork .....58.25		
03 11 13 00-0015 LF >12" To 18" Square Column Wood Formwork .....73.35		
03 11 13 00-0016 LF >18" To 24" Square Column Wood Formwork .....105.57		
03 11 13 00-0017 LF >24" To 36" Square Column Wood Formwork .....151.60		
03 11 13 00-0018 LF >36" To 48" Square Column Wood Formwork .....200.60		
03 11 13 00-0019 Above Grade Wall Wood Formwork (03 11 13 00-0001)		
03 11 13 00-0020 SF Up To 8' High Above Grade Wall Wood Formwork .....12.30 <i>For Curved Formwork, Add</i> <i>For <1,000, Add</i>	4.60 2.35	
03 11 13 00-0021 SF >8' High Above Grade Wall Wood Formwork .....14.57 <i>For Curved Formwork, Add</i> <i>For <1,000, Add</i>	5.46 2.79	
03 11 13 00-0022 Elevated Beam Wood Formwork (03 11 13 00-0001) Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.		
03 11 13 00-0023 SF Bottom of Elevated Beam Wood Formwork .....16.03 <i>For Curved Formwork, Add</i> <i>For <1,000, Add</i>	5.99 3.07	
03 11 13 00-0024 SF Vertical Sides of Elevated Beam Wood Formwork.....10.21 <i>For Curved Formwork, Add</i> <i>For <1,000, Add</i>	3.83 1.96	
03 11 13 00-0025 Elevated Slab Wood Formwork (03 11 13 00-0001) Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
03 11 13 00-0026 SF Elevated Slab Wood Formwork.....9.37 <i>For <1,000, Add</i>	1.74	
03 11 13 00-0027 Metal Framed Formwork (03 11 13) Note: For all metal framed and metal form systems. Includes erecting, stripping, stacking, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.		
03 11 13 00-0028 Foundation Metal Framed Formwork (03 11 13 00-0027) Note: For foundation work below or at grade.		
03 11 13 00-0029 SF Continuous Footings Foundation Metal Framed Formwork .....5.70 <i>For <1,000, Add</i> <i>For Foundations >8' Below Grade, Add</i> <i>For Curved Formwork, Add</i>	1.10 1.08 2.17	
03 11 13 00-0030 SF Pile Cap, Pier Or Spread Footings Foundation Metal Framed Formwork .....6.39 <i>For <1,000, Add</i> <i>For Foundations >8' Below Grade, Add</i> <i>For Curved Formwork, Add</i>	1.24 1.22 2.44	
03 11 13 00-0031 SF Mat Foundation Metal Framed Formwork .....7.04 <i>For <1,000, Add</i> <i>For Foundations >8' Below Grade, Add</i> <i>For Curved Formwork, Add</i>	1.36 1.34 2.68	
03 11 13 00-0032 SF Grade Beams Or Duct Bank Foundation Metal Framed Formwork.....5.94 <i>For <1,000, Add</i> <i>For Foundations >8' Below Grade, Add</i> <i>For Curved Formwork, Add</i>	1.15 1.13 2.25	
03 11 13 00-0033 SF Below Grade Walls Foundation Metal Framed Formwork.....9.24 Note: Excludes footing. <i>For <1,000, Add</i> <i>For Foundations >8' Below Grade, Add</i> <i>For Curved Formwork, Add</i>	1.80 1.77 3.55	
03 11 13 00-0034 Slab Edge And Block-Out Metal Framed Formwork (03 11 13 00-0027)		
03 11 13 00-0035 LF Up To 6" High Slab Edge and Block-Out Metal Framed Formwork .....4.46 <i>For Foundations >8' Below Grade, Add</i> <i>For Curved Formwork, Add</i> <i>For <250, Add</i>	0.88 1.77 0.89	



Concrete	03	03
Concrete Forming And Accessories	03 10	
Concrete Forming	03 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0036 LF >6" To 12" High Slab Edge and Block-Out Metal Framed Formwork.....	5.57	
For Foundations >8' Below Grade, Add	1.10	
For Curved Formwork, Add	2.20	
For <250, Add	1.10	
03 11 13 00-0037 SF >12" High Slab Edge and Block-Out Metal Framed Formwork.....	6.15	
For Foundations >8' Below Grade, Add	1.21	
For Curved Formwork, Add	2.42	
For <1,000, Add	1.22	
03 11 13 00-0038 Column Metal Framed Formwork (03 11 13 00-0027)		
03 11 13 00-0039 Square Columns (03 11 13 00-0038)		
03 11 13 00-0040 LF Up To 12" Square Column Metal Framed Formwork.....	34.28	
03 11 13 00-0041 LF >12" To 16" Square Column Metal Framed Formwork.....	41.14	
03 11 13 00-0042 LF >16" To 20" Square Column Metal Framed Formwork.....	48.00	
03 11 13 00-0043 LF >20" To 24" Square Column Metal Framed Formwork.....	57.51	
03 11 13 00-0044 LF >24" To 30" Square Column Metal Framed Formwork.....	69.12	
03 11 13 00-0045 LF >30" To 36" Square Column Metal Framed Formwork.....	82.74	
03 11 13 00-0046 LF >36" To 48" Square Column Metal Framed Formwork.....	105.98	
03 11 13 00-0047 LF >48" To 60" Square Column Metal Framed Formwork.....	130.32	
03 11 13 00-0048 Round Columns (03 11 13 00-0038)		
03 11 13 00-0049 LF Up To 12" Diameter Column Metal Formwork.....	25.86	
03 11 13 00-0050 LF >12" To 16" Diameter Column Metal Formwork.....	29.39	
03 11 13 00-0051 LF >16" To 20" Diameter Column Metal Formwork.....	34.39	
03 11 13 00-0052 LF >20" To 24" Diameter Column Metal Formwork.....	41.29	
03 11 13 00-0053 LF >24" To 30" Diameter Column Metal Formwork.....	49.54	
03 11 13 00-0054 LF >30" To 36" Diameter Column Metal Formwork.....	57.31	
03 11 13 00-0055 LF >36" To 48" Diameter Column Metal Formwork.....	71.31	
03 11 13 00-0056 LF >48" To 60" Diameter Column Metal Formwork.....	85.74	
03 11 13 00-0057 Above Grade Wall Metal Framed Formwork (03 11 13 00-0027)		
03 11 13 00-0058 SF Up to 8' High Above Grade Wall Metal Framed Formwork.....	5.34	
For Curved Formwork, Add	1.99	
For <1,000, Add	1.02	
03 11 13 00-0059 SF >8' High Above Grade Wall Metal Framed Formwork.....	6.44	
For Curved Formwork, Add	2.38	
For <1,000, Add	1.22	
03 11 13 00-0060 Elevated Beam Metal Framed Formwork (03 11 13 00-0027)		
Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.		
03 11 13 00-0061 SF Bottom of Elevated Beam Metal Framed Formwork.....	5.31	
For Curved Formwork, Add	1.85	
For <1,000, Add	0.97	
03 11 13 00-0062 SF Vertical Sides of Elevated Beam Metal Framed Formwork.....	3.92	
For Curved Formwork, Add	1.45	
For <1,000, Add	0.74	
03 11 13 00-0063 Elevated Slab Metal Framed Formwork (03 11 13 00-0027)		
Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
03 11 13 00-0064 SF Elevated Slab Metal Framed Formwork.....	6.95	
For <1,000, Add	1.13	
03 11 13 00-0065 Fiber Tube Formwork (03 11 13)		
Note: Includes all supporting braces, erecting, aligning, stripping, turnbuckles, ties and clips.		
03 11 13 00-0066 Round Column Fiber Tube Formwork (03 11 13 00-0065)		
03 11 13 00-0067 LF 6" Diameter Round Fiber Tube Formwork.....	15.93	
For Plastic Lined, Add	0.55	
For Columns >12' In Length, Add	1.59	
03 11 13 00-0068 LF 8" Diameter Round Fiber Tube Formwork.....	16.78	
For Plastic Lined, Add	0.64	
For Columns >12' In Length, Add	1.68	
03 11 13 00-0069 LF 10" Diameter Round Fiber Tube Formwork.....	18.52	
For Plastic Lined, Add	0.74	
For Columns >12' In Length, Add	1.85	
03 11 13 00-0070 LF 12" Diameter Round Fiber Tube Formwork.....	21.78	
For Plastic Lined, Add	1.06	
For Columns >12' In Length, Add	2.18	
03 11 13 00-0071 LF 14" Diameter Round Fiber Tube Formwork.....	24.55	
For Plastic Lined, Add	1.44	
For Columns >12' In Length, Add	2.46	
03 11 13 00-0072 LF 16" Diameter Round Fiber Tube Formwork.....	26.52	
For Plastic Lined, Add	1.82	
For Columns >12' In Length, Add	2.65	

03 Concrete**03 10 Concrete Forming And Accessories****03 11 Concrete Forming**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0073	LF		18" Diameter Round Fiber Tube Formwork	27.84	
			<i>For Plastic Lined, Add</i>	1.98	
			<i>For Columns >12' In Length, Add</i>	2.78	
03 11 13 00-0074	LF		20" Diameter Round Fiber Tube Formwork	30.26	
			<i>For Plastic Lined, Add</i>	2.47	
			<i>For Columns >12' In Length, Add</i>	3.03	
03 11 13 00-0075	LF		22" Diameter Round Fiber Tube Formwork	33.07	
			<i>For Plastic Lined, Add</i>	2.98	
			<i>For Columns >12' In Length, Add</i>	3.31	
03 11 13 00-0076	LF		24" Diameter Round Fiber Tube Formwork	35.87	
			<i>For Plastic Lined, Add</i>	3.49	
			<i>For Columns >12' In Length, Add</i>	3.59	
03 11 13 00-0077	LF		26" Diameter Round Fiber Tube Formwork	37.36	
			<i>For Plastic Lined, Add</i>	3.80	
			<i>For Columns >12' In Length, Add</i>	3.74	
03 11 13 00-0078	LF		28" Diameter Round Fiber Tube Formwork	39.66	
			<i>For Plastic Lined, Add</i>	4.36	
			<i>For Columns >12' In Length, Add</i>	3.97	
03 11 13 00-0079	LF		30" Diameter Round Fiber Tube Formwork	42.13	
			<i>For Plastic Lined, Add</i>	4.97	
			<i>For Columns >12' In Length, Add</i>	4.21	
03 11 13 00-0080	LF		36" Diameter Round Fiber Tube Formwork	50.85	
			<i>For Plastic Lined, Add</i>	7.11	
			<i>For Columns >12' In Length, Add</i>	5.09	
03 11 13 00-0081	LF		42" Diameter Round Fiber Tube Formwork	68.55	
			<i>For Plastic Lined, Add</i>	12.07	
			<i>For Columns >12' In Length, Add</i>	6.86	
03 11 13 00-0082	LF		48" Diameter Round Fiber Tube Formwork	81.32	
			<i>For Plastic Lined, Add</i>	15.56	
			<i>For Columns >12' In Length, Add</i>	8.13	
03 11 13 00-0083	LF		54" Diameter Round Fiber Tube Formwork	133.61	
			<i>For Plastic Lined, Add</i>	30.69	
			<i>For Columns >12' In Length, Add</i>	13.36	
03 11 13 00-0084	LF		60" Diameter Round Fiber Tube Formwork	148.30	
			<i>For Plastic Lined, Add</i>	34.67	
			<i>For Columns >12' In Length, Add</i>	14.83	
03 11 13 00-0085			Accessories For Formwork (03 11 13)		
03 11 13 00-0086			Keyway Forms, All Materials (03 11 13 00-0085)		
03 11 13 00-0087	LF		2" x 4" To 2" x 6" Keyway Forms for Concrete Formwork, All Materials.....	1.91	
03 11 13 00-0088			Chamfer Strips, All Materials (03 11 13 00-0085)		
03 11 13 00-0089	LF		1/2" Wide Chamfer Strips for Concrete Formwork, All Materials.....	2.02	
03 11 13 00-0090	LF		3/4" Wide Chamfer Strips for Concrete Formwork, All Materials.....	2.33	
03 11 13 00-0091	LF		1" Wide Chamfer Strips for Concrete Formwork, All Materials.....	2.69	
03 11 13 00-0092			Strip Out Reglets For Concrete Formwork (03 11 13 00-0085)		
03 11 13 00-0093	LF		24 To 26 Gauge Galvanized Steel, Strip Out Reglets For Concrete Formwork.....	9.53	
03 11 13 00-0094			Sleeves And Chases, Plastic Or Sheet Metal (03 11 13 00-0085)		
03 11 13 00-0095	EA		2" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	11.68	
03 11 13 00-0096	EA		4" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	14.17	
03 11 13 00-0097	EA		6" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	17.14	
03 11 13 00-0098	EA		8" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	19.53	
03 11 13 00-0099	EA		12" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	25.17	
03 11 13 00-0100	EA		18" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	55.71	
03 11 16			Architectural Cast-In-Place Concrete Forming (03 11)		
03 11 16 13			Concrete Form Liners (03 11 16)		
03 11 16 13-0001			Concrete Form Liners (03 11 16 13)		
03 11 16 13-0002	SF		Various Patterns And Textures, 1 Use, Concrete Form Liner, Add To Formwork.....	4.84	
03 11 16 13-0003	SF		Rusticated Concrete Finish, Beveled Edge, 1 Use, Concrete Form Liner, Add To Formwork	6.32	
03 11 16 13-0004	SF		Rusticated Concrete Finish, Square Edge, 1 Use, Concrete Form Liner, Add To Formwork.....	8.31	
03 11 23			Permanent Stair Forming (03 11)		
03 11 23 00-0001			Stairway Wood Formwork (03 11 23)		
03 11 23 00-0002	SF		Cast On Grade Stairway Wood Formwork	15.70	
			<i>For Curved Formwork, Add</i>	6.09	
			<i>For <1,000, Add</i>	3.08	
03 11 23 00-0003	SF		Elevated Stairway Wood Formwork.....	31.05	
			Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
			<i>For Curved Formwork, Add</i>	11.89	
			<i>For <1,000, Add</i>	6.03	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 11 23 00-0004			Stairway Metal Framed Formwork <small>(03 11 23)</small>		
03 11 23 00-0005	SF		Cast On Grade Stairway Metal Framed Formwork.....	12.64	
			<i>For Curved Formwork, Add</i>	4.95	
			<i>For <1,000, Add</i>	2.49	
03 11 23 00-0006	SF		Elevated Stairway Metal Framed Formwork	23.66	
			<i>Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.</i>		
			<i>For Curved Formwork, Add</i>	9.21	
			<i>For <1,000, Add</i>	4.65	

03 15 Concrete Accessories (03 10)

03 15 13 Waterstops (03 15)

03 15 13 13 Non-Expanding Waterstops (03 15 13)

03 15 13 13-0001 Polyvinyl Chloride (PVC) Waterstops (03 15 13 13)

03 15 13 13-0002	LF	3/16" Thick x 4" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop		7.54	
03 15 13 13-0003	LF	3/16" Thick x 6" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop		8.47	
03 15 13 13-0004	LF	3/16" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb		10.16	
03 15 13 13-0005	LF	3/8" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb		11.13	
03 15 13 13-0006	LF	1/2" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop		16.52	
03 15 13 13-0007	LF	3/16" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop		8.20	
03 15 13 13-0008	LF	3/8" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop		10.29	
03 15 13 13-0009	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop		18.01	
03 15 13 13-0010	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop With Center Bulb		14.30	

03 15 13 13-0011 Rubber Waterstops (03 15 13 13)

03 15 13 13-0012	LF	3/8" Thick x 6" Wide Rubber Dumbbell Waterstop		8.61	
03 15 13 13-0013	LF	3/8" Thick x 9" Wide Rubber Dumbbell Waterstop		9.92	
03 15 13 13-0014	LF	1/4" Thick x 6" Wide Rubber Waterstop, With Center Bulb		9.09	
03 15 13 13-0015	LF	1/4" Thick x 9" Wide Rubber Waterstop, With Center Bulb		12.53	
03 15 13 13-0016	LF	3/8" Thick x 6" Wide Rubber Waterstop, With Center Bulb		10.31	
03 15 13 13-0017	LF	3/8" Thick x 9" Wide Rubber Waterstop, With Center Bulb		13.28	

03 15 13 16 Expanding Waterstops (03 15 13)

03 15 13 16-0001 Bentonite Waterstops (03 15 13 16)

03 15 13 16-0002	LF	3/4" x 3/8" Bentonite Waterstop		6.65	
03 15 13 16-0003	LF	1-1/4" x 1/2" Bentonite Waterstop		10.15	
03 15 13 16-0004	LF	1" x 3/4" Bentonite Waterstop		11.39	
03 15 13 16-0005	LF	1" x 1" Bentonite Waterstop		12.87	

03 15 16 Concrete Construction Joints (03 15)

03 15 16 00-0001 Poured Expansion Joint (03 15 16)

03 15 16 00-0002	LF	1/2" x 1" Plain Asphalt Expansion Joint, Poured		2.12	0.70
		<i>For Installation In Walls, Add</i>		1.16	
03 15 16 00-0003	LF	1" x 2" Plain Asphalt Expansion Joint, Poured		3.78	0.70
		<i>For Installation In Walls, Add</i>		1.32	
03 15 16 00-0004	LF	1/2" x 1" Liquid Neoprene Expansion Joint, Poured, Cold Applied		2.66	0.70
		<i>For Installation In Walls, Add</i>		1.16	
03 15 16 00-0005	LF	1" x 2" Liquid Neoprene Expansion Joint, Poured, Cold Applied		6.22	0.70
		<i>For Installation In Walls, Add</i>		1.32	
03 15 16 00-0006	LF	1/2" x 1" Polyurethane Expansion Joint, Poured, 2 Parts		3.82	0.70
		<i>For Installation In Walls, Add</i>		1.32	
03 15 16 00-0007	LF	1" x 2" Polyurethane Expansion Joint, Poured, Poured, 2 Parts		6.95	0.70
		<i>For Installation In Walls, Add</i>		2.14	
03 15 16 00-0008	LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Or Cold Applied		1.74	0.70
		<i>For Installation In Walls, Add</i>		1.16	
03 15 16 00-0009	LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant		1.95	0.70
		<i>For Installation In Walls, Add</i>		1.16	
03 15 16 00-0010	LF	1" x 2" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant		2.48	0.70
		<i>For Installation In Walls, Add</i>		1.32	

03 15 16 00-0011 Premolded Expansion Joints (03 15 16)

03 15 16 00-0012 Asphalt Saturated Fiber, Premolded Expansion Joints (03 15 16 00-0011)

03 15 16 00-0013	LF	1/4" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint		2.04	0.96
03 15 16 00-0014	LF	1/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint		2.28	1.02
03 15 16 00-0015	LF	1/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint		2.43	1.07
03 15 16 00-0016	LF	1/4" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint		2.60	1.11
03 15 16 00-0017	LF	3/8" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint		2.17	0.96
03 15 16 00-0018	LF	3/8" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint		2.38	1.02
03 15 16 00-0019	LF	3/8" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint		2.62	1.07
03 15 16 00-0020	LF	3/8" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint		2.96	1.11



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 16 00-0021	LF		1/2" x 2" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.99	0.91
03 15 16 00-0022	LF		1/2" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.15	0.96
03 15 16 00-0023	LF		1/2" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.33	1.02
03 15 16 00-0024	LF		1/2" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.48	1.07
03 15 16 00-0025	LF		1/2" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.67	1.11
03 15 16 00-0026	LF		1/2" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.91	1.16
03 15 16 00-0027	LF		1/2" x 10" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.11	1.21
03 15 16 00-0028	LF		1/2" x 12" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.43	1.26
03 15 16 00-0029	LF		3/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.34	1.02
03 15 16 00-0030	LF		3/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.61	1.07
03 15 16 00-0031	LF		3/4" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.11	1.16
03 15 16 00-0032	SF		1" Asphalt Saturated Fiber, Premolded Expansion Joint.....	5.13	1.59
03 15 16 00-0033			Cork, Premolded Expansion Joints (03 15 16 00-0011)		
03 15 16 00-0034	LF		1/2" x 4" Cork, Premolded Expansion Joint	3.07	1.02
03 15 16 00-0035	LF		1/2" x 6" Cork, Premolded Expansion Joint	3.44	1.11
03 15 16 00-0036	LF		1/2" x 8" Cork, Premolded Expansion Joint	3.70	1.16
03 15 16 00-0037	LF		1/2" x 10" Cork, Premolded Expansion Joint.....	4.92	1.21
03 15 16 00-0038	LF		1/2" x 12" Cork, Premolded Expansion Joint.....	5.22	1.26
03 15 16 00-0039	SF		1/2" Cork, Premolded Expansion Joint.....	5.91	1.59
03 15 16 00-0040	SF		3/4" Cork, Premolded Expansion Joint.....	6.68	1.59
03 15 16 00-0041	SF		1" Cork, Premolded Expansion Joint	7.04	1.59
03 15 16 00-0042			Flexible Polyethylene Foam, Premolded Expansion Joints (03 15 16 00-0011)		
03 15 16 00-0043	LF		1/4" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	2.19	1.02
03 15 16 00-0044	LF		1/4" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	2.29	1.07
03 15 16 00-0045	LF		1/4" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	2.41	1.11
03 15 16 00-0046	LF		1/4" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	2.71	1.16
03 15 16 00-0047	LF		1/2" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	2.24	1.02
03 15 16 00-0048	LF		1/2" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	2.34	1.07
03 15 16 00-0049	LF		1/2" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	2.44	1.11
03 15 16 00-0050	LF		1/2" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	2.63	1.16
03 15 16 00-0051			Zip Strip, Premolded Expansion Joints (03 15 16 00-0011)		
03 15 16 00-0052	LF		1" Zip Strip, Premolded Expansion Joint.....	2.21	1.02
03 15 16 00-0053	LF		1-1/2" Zip Strip, Premolded Expansion Joint.....	2.38	1.07
03 15 16 00-0054	LF		2" Zip Strip, Premolded Expansion Joint.....	2.63	1.16
03 15 16 00-0055			Sponge Rubber, Premolded Expansion Joints (03 15 16 00-0011)		
03 15 16 00-0056	LF		1/2" x 4" Sponge Rubber, Premolded Expansion Joint.....	4.03	0.96
03 15 16 00-0057	LF		1/2" x 6" Sponge Rubber, Premolded Expansion Joint.....	4.83	0.96
03 15 16 00-0058			Asphalt Felt Control Joints Or Bond Breaker (03 15 16)		
03 15 16 00-0059	SF		Asphalt Felt Control Joint, 30 LB Felt Bond Breaker.....	1.08	0.72
			>1,250, Deduct	-0.05	
03 15 16 00-0060	SF		Asphalt Felt Control Joint, 15 LB Felt Bond Breaker.....	1.02	0.72
			>1,250, Deduct	-0.05	
03 15 16 00-0061			Keyed Cold Expansion And Control Joints (03 15 16)		
03 15 16 00-0062			24 Gauge Galvanized Steel With Stakes (03 15 16 00-0061)		
03 15 16 00-0063	LF		24 Gauge Galvanized Steel Keyed Joint, 3-1/2" Cold Expansion Or Control Joint.....	5.50	
03 15 16 00-0064	LF		24 Gauge Galvanized Steel Keyed Joint, 4-1/2" Cold Expansion Or Control Joint.....	5.60	
03 15 16 00-0065	LF		24 Gauge Galvanized Steel Keyed Joint, 5-1/2" Cold Expansion Or Control Joint.....	5.80	
03 15 16 00-0066	LF		24 Gauge Galvanized Steel Keyed Joint, 7-1/2" Cold Expansion Or Control Joint.....	6.15	
03 15 16 00-0067	LF		24 Gauge Galvanized Steel Keyed Joint, 9-1/2" Cold Expansion Or Control Joint.....	7.68	
03 15 19			Cast-In Concrete Anchors (03 15)		
03 15 19 00-0001			Cast In Place Anchors (03 15 19) Note: For cast in place installations. Includes nut and washer.		
03 15 19 00-0002			J-Type Anchor Bolts (03 15 19 00-0001) See CSI section 03 11 13 00-0002 for template.		
03 15 19 00-0003			1/2" And 5/8" Diameter (03 15 19 00-0002)		
03 15 19 00-0004	EA		1/2" Diameter x 6" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	7.27	
			For Galvanized, Add	0.90	
			For Stainless Steel, Add	6.27	
			For >10 To 50, Deduct	-0.27	
			For >50 To 100, Deduct	-0.59	
			For >100, Deduct	-1.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0005 EA 1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	8.18	
<i>For Galvanized, Add</i>	1.14	
<i>For Stainless Steel, Add</i>	7.98	
<i>For >10 To 50, Deduct</i>	-0.30	
<i>For >50 To 100, Deduct</i>	-0.65	
<i>For >100, Deduct</i>	-1.29	
03 15 19 00-0006 EA 1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	9.54	
<i>For Galvanized, Add</i>	1.57	
<i>For Stainless Steel, Add</i>	10.99	
<i>For >10 To 50, Deduct</i>	-0.32	
<i>For >50 To 100, Deduct</i>	-0.72	
<i>For >100, Deduct</i>	-1.44	
03 15 19 00-0007 EA 5/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	10.50	
<i>For Galvanized, Add</i>	2.05	
<i>For Stainless Steel, Add</i>	14.35	
<i>For >10 To 50, Deduct</i>	-0.32	
<i>For >50 To 100, Deduct</i>	-0.74	
<i>For >100, Deduct</i>	-1.49	
03 15 19 00-0008 EA 5/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	12.46	
<i>For Galvanized, Add</i>	2.74	
<i>For Stainless Steel, Add</i>	19.18	
<i>For >10 To 50, Deduct</i>	-0.35	
<i>For >50 To 100, Deduct</i>	-0.84	
<i>For >100, Deduct</i>	-1.67	
03 15 19 00-0009 EA 5/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	13.93	
<i>For Galvanized, Add</i>	3.13	
<i>For Stainless Steel, Add</i>	21.91	
<i>For >10 To 50, Deduct</i>	-0.38	
<i>For >50 To 100, Deduct</i>	-0.92	
<i>For >100, Deduct</i>	-1.85	
03 15 19 00-0010 3/4" And 7/8" Diameter <small>(03 15 19 00-0002)</small>		
03 15 19 00-0011 EA 3/4" Diameter x 8" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	13.89	
<i>For Galvanized, Add</i>	3.11	
<i>For Stainless Steel, Add</i>	21.77	
<i>For >10 To 50, Deduct</i>	-0.38	
<i>For >50 To 100, Deduct</i>	-0.92	
<i>For >100, Deduct</i>	-1.85	
03 15 19 00-0012 EA 3/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	15.78	
<i>For Galvanized, Add</i>	3.63	
<i>For Stainless Steel, Add</i>	25.38	
<i>For >10 To 50, Deduct</i>	-0.43	
<i>For >50 To 100, Deduct</i>	-1.03	
<i>For >100, Deduct</i>	-2.07	
03 15 19 00-0013 EA 3/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	18.87	
<i>For Galvanized, Add</i>	4.64	
<i>For Stainless Steel, Add</i>	32.48	
<i>For >10 To 50, Deduct</i>	-0.48	
<i>For >50 To 100, Deduct</i>	-1.19	
<i>For >100, Deduct</i>	-2.38	
03 15 19 00-0014 EA 3/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	22.45	
<i>For Galvanized, Add</i>	5.85	
<i>For Stainless Steel, Add</i>	40.95	
<i>For >10 To 50, Deduct</i>	-0.54	
<i>For >50 To 100, Deduct</i>	-1.37	
<i>For >100, Deduct</i>	-2.74	
03 15 19 00-0015 EA 7/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	18.09	
<i>For Galvanized, Add</i>	4.25	
<i>For Stainless Steel, Add</i>	29.75	
<i>For >10 To 50, Deduct</i>	-0.48	
<i>For >50 To 100, Deduct</i>	-1.17	
<i>For >100, Deduct</i>	-2.34	
03 15 19 00-0016 EA 7/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	21.14	
<i>For Galvanized, Add</i>	5.09	
<i>For Stainless Steel, Add</i>	35.60	
<i>For >10 To 50, Deduct</i>	-0.55	
<i>For >50 To 100, Deduct</i>	-1.35	
<i>For >100, Deduct</i>	-2.70	
03 15 19 00-0017 EA 7/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	26.35	
<i>For Galvanized, Add</i>	6.78	
<i>For Stainless Steel, Add</i>	47.46	
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-1.62	
<i>For >100, Deduct</i>	-3.24	
03 15 19 00-0018 1" And 1-1/8" Diameter <small>(03 15 19 00-0002)</small>		
03 15 19 00-0019 EA 1" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	21.96	
<i>For Galvanized, Add</i>	5.50	
<i>For Stainless Steel, Add</i>	38.47	
<i>For >10 To 50, Deduct</i>	-0.55	
<i>For >50 To 100, Deduct</i>	-1.37	
<i>For >100, Deduct</i>	-2.74	

03 Concrete**03 10 Concrete Forming And Accessories****03 15 Concrete Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0020	EA		1" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	26.02	
			<i>For Galvanized, Add</i>	6.62	
			<i>For Stainless Steel, Add</i>	46.31	
			<i>For >10 To 50, Deduct</i>	-0.64	
			<i>For >50 To 100, Deduct</i>	-1.61	
			<i>For >100, Deduct</i>	-3.22	
03 15 19 00-0021	EA		1" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	31.93	
			<i>For Galvanized, Add</i>	8.29	
			<i>For Stainless Steel, Add</i>	58.03	
			<i>For >10 To 50, Deduct</i>	-0.77	
			<i>For >50 To 100, Deduct</i>	-1.95	
			<i>For >100, Deduct</i>	-3.90	
03 15 19 00-0022	EA		1" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	39.46	
			<i>For Galvanized, Add</i>	10.13	
			<i>For Stainless Steel, Add</i>	70.91	
			<i>For >10 To 50, Deduct</i>	-0.96	
			<i>For >50 To 100, Deduct</i>	-2.43	
			<i>For >100, Deduct</i>	-4.85	
03 15 19 00-0023	EA		1-1/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	25.78	
			<i>For Galvanized, Add</i>	6.87	
			<i>For Stainless Steel, Add</i>	48.09	
			<i>For >10 To 50, Deduct</i>	-0.60	
			<i>For >50 To 100, Deduct</i>	-1.55	
			<i>For >100, Deduct</i>	-3.10	
03 15 19 00-0024	EA		1-1/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	30.59	
			<i>For Galvanized, Add</i>	8.27	
			<i>For Stainless Steel, Add</i>	57.89	
			<i>For >10 To 50, Deduct</i>	-0.70	
			<i>For >50 To 100, Deduct</i>	-1.82	
			<i>For >100, Deduct</i>	-3.64	
03 15 19 00-0025	EA		1-1/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	37.59	
			<i>For Galvanized, Add</i>	10.37	
			<i>For Stainless Steel, Add</i>	72.56	
			<i>For >10 To 50, Deduct</i>	-0.84	
			<i>For >50 To 100, Deduct</i>	-2.20	
			<i>For >100, Deduct</i>	-4.41	
03 15 19 00-0026	EA		1-1/8" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	46.39	
			<i>For Galvanized, Add</i>	12.66	
			<i>For Stainless Steel, Add</i>	88.62	
			<i>For >10 To 50, Deduct</i>	-1.05	
			<i>For >50 To 100, Deduct</i>	-2.74	
			<i>For >100, Deduct</i>	-5.48	
03 15 19 00-0027			1-1/4" And 1-1/2" Diameter <small>(03 15 19 00-0002)</small>	30.50	
03 15 19 00-0028	EA		1-1/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	30.50	
			<i>For Galvanized, Add</i>	8.59	
			<i>For Stainless Steel, Add</i>	60.10	
			<i>For >10 To 50, Deduct</i>	-0.67	
			<i>For >50 To 100, Deduct</i>	-1.76	
			<i>For >100, Deduct</i>	-3.52	
03 15 19 00-0029	EA		1-1/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	36.23	
			<i>For Galvanized, Add</i>	10.34	
			<i>For Stainless Steel, Add</i>	72.35	
			<i>For >10 To 50, Deduct</i>	-0.78	
			<i>For >50 To 100, Deduct</i>	-2.07	
			<i>For >100, Deduct</i>	-4.15	
03 15 19 00-0030	EA		1-1/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	44.59	
			<i>For Galvanized, Add</i>	12.96	
			<i>For Stainless Steel, Add</i>	90.72	
			<i>For >10 To 50, Deduct</i>	-0.93	
			<i>For >50 To 100, Deduct</i>	-2.52	
			<i>For >100, Deduct</i>	-5.03	
03 15 19 00-0031	EA		1-1/4" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	54.98	
			<i>For Galvanized, Add</i>	15.83	
			<i>For Stainless Steel, Add</i>	110.78	
			<i>For >10 To 50, Deduct</i>	-1.17	
			<i>For >50 To 100, Deduct</i>	-3.12	
			<i>For >100, Deduct</i>	-6.25	
03 15 19 00-0032	EA		1-1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	36.42	
			<i>For Galvanized, Add</i>	10.74	
			<i>For Stainless Steel, Add</i>	75.15	
			<i>For >10 To 50, Deduct</i>	-0.75	
			<i>For >50 To 100, Deduct</i>	-2.03	
			<i>For >100, Deduct</i>	-4.06	
03 15 19 00-0033	EA		1-1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	43.29	
			<i>For Galvanized, Add</i>	12.92	
			<i>For Stainless Steel, Add</i>	90.44	
			<i>For >10 To 50, Deduct</i>	-0.87	
			<i>For >50 To 100, Deduct</i>	-2.39	
			<i>For >100, Deduct</i>	-4.78	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0034	EA		1-1/2" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	53.35	
			<i>For Galvanized, Add</i>	16.20	
			<i>For Stainless Steel, Add</i>	113.40	
			<i>For >10 To 50, Deduct</i>	-1.05	
			<i>For >50 To 100, Deduct</i>	-2.91	
			<i>For >100, Deduct</i>	-5.81	
03 15 19 00-0035	EA		1-1/2" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	65.73	
			<i>For Galvanized, Add</i>	19.79	
			<i>For Stainless Steel, Add</i>	138.50	
			<i>For >10 To 50, Deduct</i>	-1.31	
			<i>For >50 To 100, Deduct</i>	-3.61	
			<i>For >100, Deduct</i>	-7.21	
03 15 19 00-0036			L-Type Anchor Bolts <small>(03 15 19 00-0001)</small>		
			See CSI section 03 11 13 00-0002 for template.		
03 15 19 00-0037			3/4" And 7/8" Diameter <small>(03 15 19 00-0036)</small>		
03 15 19 00-0038	EA		3/4" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	13.28	
			<i>For Galvanized, Add</i>	2.38	
			<i>For Stainless Steel, Add</i>	16.63	
			<i>For >10 To 50, Deduct</i>	-0.43	
			<i>For >50 To 100, Deduct</i>	-0.97	
			<i>For >100, Deduct</i>	-1.94	
03 15 19 00-0039	EA		3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	15.46	
			<i>For Galvanized, Add</i>	2.94	
			<i>For Stainless Steel, Add</i>	20.55	
			<i>For >10 To 50, Deduct</i>	-0.48	
			<i>For >50 To 100, Deduct</i>	-1.11	
			<i>For >100, Deduct</i>	-2.21	
03 15 19 00-0040	EA		3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	17.70	
			<i>For Galvanized, Add</i>	3.37	
			<i>For Stainless Steel, Add</i>	23.56	
			<i>For >10 To 50, Deduct</i>	-0.55	
			<i>For >50 To 100, Deduct</i>	-1.27	
			<i>For >100, Deduct</i>	-2.53	
03 15 19 00-0041	EA		3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	19.78	
			<i>For Galvanized, Add</i>	3.50	
			<i>For Stainless Steel, Add</i>	24.47	
			<i>For >10 To 50, Deduct</i>	-0.64	
			<i>For >50 To 100, Deduct</i>	-1.45	
			<i>For >100, Deduct</i>	-2.91	
03 15 19 00-0042	EA		3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	22.68	
			<i>For Galvanized, Add</i>	3.67	
			<i>For Stainless Steel, Add</i>	25.66	
			<i>For >10 To 50, Deduct</i>	-0.77	
			<i>For >50 To 100, Deduct</i>	-1.72	
			<i>For >100, Deduct</i>	-3.44	
03 15 19 00-0043	EA		7/8" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	15.48	
			<i>For Galvanized, Add</i>	2.95	
			<i>For Stainless Steel, Add</i>	20.62	
			<i>For >10 To 50, Deduct</i>	-0.48	
			<i>For >50 To 100, Deduct</i>	-1.11	
			<i>For >100, Deduct</i>	-2.21	
03 15 19 00-0044	EA		7/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	17.84	
			<i>For Galvanized, Add</i>	3.44	
			<i>For Stainless Steel, Add</i>	24.05	
			<i>For >10 To 50, Deduct</i>	-0.55	
			<i>For >50 To 100, Deduct</i>	-1.27	
			<i>For >100, Deduct</i>	-2.54	
03 15 19 00-0045	EA		7/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	20.66	
			<i>For Galvanized, Add</i>	3.94	
			<i>For Stainless Steel, Add</i>	27.55	
			<i>For >10 To 50, Deduct</i>	-0.64	
			<i>For >50 To 100, Deduct</i>	-1.48	
			<i>For >100, Deduct</i>	-2.95	
03 15 19 00-0046	EA		7/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	23.52	
			<i>For Galvanized, Add</i>	4.09	
			<i>For Stainless Steel, Add</i>	28.60	
			<i>For >10 To 50, Deduct</i>	-0.77	
			<i>For >50 To 100, Deduct</i>	-1.74	
			<i>For >100, Deduct</i>	-3.48	
03 15 19 00-0047	EA		7/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	27.79	
			<i>For Galvanized, Add</i>	4.30	
			<i>For Stainless Steel, Add</i>	30.07	
			<i>For >10 To 50, Deduct</i>	-0.96	
			<i>For >50 To 100, Deduct</i>	-2.13	
			<i>For >100, Deduct</i>	-4.27	
03 15 19 00-0048			1" And 1-1/8" Diameter <small>(03 15 19 00-0036)</small>		

03 Concrete**03 10 Concrete Forming And Accessories****03 15 Concrete Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0049	EA		1" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	18.53	
			<i>For Galvanized, Add</i>	3.78	
			<i>For Stainless Steel, Add</i>	26.46	
			<i>For >10 To 50, Deduct</i>	-0.55	
			<i>For >50 To 100, Deduct</i>	-1.29	
			<i>For >100, Deduct</i>	-2.57	
03 15 19 00-0050	EA		1" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	21.29	
			<i>For Galvanized, Add</i>	4.25	
			<i>For Stainless Steel, Add</i>	29.75	
			<i>For >10 To 50, Deduct</i>	-0.64	
			<i>For >50 To 100, Deduct</i>	-1.49	
			<i>For >100, Deduct</i>	-2.98	
03 15 19 00-0051	EA		1" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	24.85	
			<i>For Galvanized, Add</i>	4.75	
			<i>For Stainless Steel, Add</i>	33.25	
			<i>For >10 To 50, Deduct</i>	-0.77	
			<i>For >50 To 100, Deduct</i>	-1.77	
			<i>For >100, Deduct</i>	-3.55	
03 15 19 00-0052	EA		1" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	26.64	
			<i>For Galvanized, Add</i>	4.98	
			<i>For Stainless Steel, Add</i>	34.83	
			<i>For >10 To 50, Deduct</i>	-0.83	
			<i>For >50 To 100, Deduct</i>	-1.92	
			<i>For >100, Deduct</i>	-3.84	
03 15 19 00-0053	EA		1" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	29.62	
			<i>For Galvanized, Add</i>	5.21	
			<i>For Stainless Steel, Add</i>	36.47	
			<i>For >10 To 50, Deduct</i>	-0.96	
			<i>For >50 To 100, Deduct</i>	-2.18	
			<i>For >100, Deduct</i>	-4.36	
03 15 19 00-0054	EA		1" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	33.41	
			<i>For Galvanized, Add</i>	6.04	
			<i>For Stainless Steel, Add</i>	42.28	
			<i>For >10 To 50, Deduct</i>	-1.07	
			<i>For >50 To 100, Deduct</i>	-2.44	
			<i>For >100, Deduct</i>	-4.87	
03 15 19 00-0055	EA		1" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	39.72	
			<i>For Galvanized, Add</i>	7.07	
			<i>For Stainless Steel, Add</i>	49.46	
			<i>For >10 To 50, Deduct</i>	-1.28	
			<i>For >50 To 100, Deduct</i>	-2.91	
			<i>For >100, Deduct</i>	-5.82	
03 15 19 00-0056	EA		1-1/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	22.73	
			<i>For Galvanized, Add</i>	4.97	
			<i>For Stainless Steel, Add</i>	34.79	
			<i>For >10 To 50, Deduct</i>	-0.64	
			<i>For >50 To 100, Deduct</i>	-1.53	
			<i>For >100, Deduct</i>	-3.06	
03 15 19 00-0057	EA		1-1/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	26.48	
			<i>For Galvanized, Add</i>	5.57	
			<i>For Stainless Steel, Add</i>	38.96	
			<i>For >10 To 50, Deduct</i>	-0.77	
			<i>For >50 To 100, Deduct</i>	-1.81	
			<i>For >100, Deduct</i>	-3.63	
03 15 19 00-0058	EA		1-1/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	28.33	
			<i>For Galvanized, Add</i>	5.82	
			<i>For Stainless Steel, Add</i>	40.74	
			<i>For >10 To 50, Deduct</i>	-0.83	
			<i>For >50 To 100, Deduct</i>	-1.96	
			<i>For >100, Deduct</i>	-3.92	
03 15 19 00-0059			1-1/4" And 1-3/8" Diameter <small>(03 15 19 00-0036)</small>		
03 15 19 00-0060	EA		1-1/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	27.37	
			<i>For Galvanized, Add</i>	6.01	
			<i>For Stainless Steel, Add</i>	42.07	
			<i>For >10 To 50, Deduct</i>	-0.77	
			<i>For >50 To 100, Deduct</i>	-1.84	
			<i>For >100, Deduct</i>	-3.67	
03 15 19 00-0061	EA		1-1/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	33.27	
			<i>For Galvanized, Add</i>	7.04	
			<i>For Stainless Steel, Add</i>	49.25	
			<i>For >10 To 50, Deduct</i>	-0.96	
			<i>For >50 To 100, Deduct</i>	-2.27	
			<i>For >100, Deduct</i>	-4.54	
03 15 19 00-0062	EA		1-1/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	36.13	
			<i>For Galvanized, Add</i>	7.97	
			<i>For Stainless Steel, Add</i>	55.76	
			<i>For >10 To 50, Deduct</i>	-1.01	
			<i>For >50 To 100, Deduct</i>	-2.42	
			<i>For >100, Deduct</i>	-4.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0063 EA 1-1/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	39.32	
For Galvanized, Add	9.00	
For Stainless Steel, Add	62.97	
For >10 To 50, Deduct	-1.07	
For >50 To 100, Deduct	-2.58	
For >100, Deduct	-5.17	
03 15 19 00-0064 EA 1-1/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	43.56	
For Galvanized, Add	9.79	
For Stainless Steel, Add	68.50	
For >10 To 50, Deduct	-1.20	
For >50 To 100, Deduct	-2.89	
For >100, Deduct	-5.78	
03 15 19 00-0065 EA 1-1/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	48.37	
For Galvanized, Add	10.48	
For Stainless Steel, Add	73.33	
For >10 To 50, Deduct	-1.37	
For >50 To 100, Deduct	-3.27	
For >100, Deduct	-6.53	
03 15 19 00-0066 EA 1-1/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	54.42	
For Galvanized, Add	11.22	
For Stainless Steel, Add	78.51	
For >10 To 50, Deduct	-1.60	
For >50 To 100, Deduct	-3.76	
For >100, Deduct	-7.52	
03 15 19 00-0067 EA 1-1/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	63.18	
For Galvanized, Add	12.40	
For Stainless Steel, Add	86.80	
For >10 To 50, Deduct	-1.92	
For >50 To 100, Deduct	-4.46	
For >100, Deduct	-8.92	
03 15 19 00-0068 EA 1-3/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	30.38	
For Galvanized, Add	7.52	
For Stainless Steel, Add	52.61	
For >10 To 50, Deduct	-0.77	
For >50 To 100, Deduct	-1.91	
For >100, Deduct	-3.82	
03 15 19 00-0069 EA 1-3/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	36.79	
For Galvanized, Add	8.80	
For Stainless Steel, Add	61.57	
For >10 To 50, Deduct	-0.96	
For >50 To 100, Deduct	-2.36	
For >100, Deduct	-4.72	
03 15 19 00-0070 EA 1-3/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	40.11	
For Galvanized, Add	9.96	
For Stainless Steel, Add	69.69	
For >10 To 50, Deduct	-1.01	
For >50 To 100, Deduct	-2.52	
For >100, Deduct	-5.04	
03 15 19 00-0071 EA 1-3/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	43.81	
For Galvanized, Add	11.24	
For Stainless Steel, Add	78.68	
For >10 To 50, Deduct	-1.07	
For >50 To 100, Deduct	-2.70	
For >100, Deduct	-5.39	
03 15 19 00-0072 EA 1-3/8" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	48.45	
For Galvanized, Add	12.23	
For Stainless Steel, Add	85.61	
For >10 To 50, Deduct	-1.20	
For >50 To 100, Deduct	-3.01	
For >100, Deduct	-6.02	
03 15 19 00-0073 EA 1-3/8" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	53.62	
For Galvanized, Add	13.10	
For Stainless Steel, Add	91.70	
For >10 To 50, Deduct	-1.37	
For >50 To 100, Deduct	-3.40	
For >100, Deduct	-6.79	
03 15 19 00-0074 EA 1-3/8" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	60.26	
For Galvanized, Add	14.14	
For Stainless Steel, Add	98.95	
For >10 To 50, Deduct	-1.60	
For >50 To 100, Deduct	-3.91	
For >100, Deduct	-7.81	
03 15 19 00-0075 EA 1-3/8" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	69.38	
For Galvanized, Add	15.50	
For Stainless Steel, Add	108.50	
For >10 To 50, Deduct	-1.92	
For >50 To 100, Deduct	-4.61	
For >100, Deduct	-9.23	

03 15 19 00-0076 1-1/2", 1-3/4", And 2" Diameter (03 15 19 00-0036)

03 Concrete**03 10 Concrete Forming And Accessories****03 15 Concrete Accessories**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
03 15 19 00-0077	EA 1-1/2" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	38.28	
	For Galvanized, Add	10.42	
	For Stainless Steel, Add	72.91	
	For >10 To 50, Deduct	-0.87	
	For >50 To 100, Deduct	-2.27	
	For >100, Deduct	-4.53	
03 15 19 00-0078	EA 1-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	42.05	
	For Galvanized, Add	10.93	
	For Stainless Steel, Add	76.48	
	For >10 To 50, Deduct	-1.01	
	For >50 To 100, Deduct	-2.57	
	For >100, Deduct	-5.13	
03 15 19 00-0079	EA 1-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	46.62	
	For Galvanized, Add	12.02	
	For Stainless Steel, Add	84.14	
	For >10 To 50, Deduct	-1.13	
	For >50 To 100, Deduct	-2.86	
	For >100, Deduct	-5.72	
03 15 19 00-0080	EA 1-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	50.25	
	For Galvanized, Add	13.13	
	For Stainless Steel, Add	91.91	
	For >10 To 50, Deduct	-1.20	
	For >50 To 100, Deduct	-3.06	
	For >100, Deduct	-6.11	
03 15 19 00-0081	EA 1-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	54.08	
	For Galvanized, Add	14.25	
	For Stainless Steel, Add	99.72	
	For >10 To 50, Deduct	-1.28	
	For >50 To 100, Deduct	-3.27	
	For >100, Deduct	-6.54	
03 15 19 00-0082	EA 1-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	60.16	
	For Galvanized, Add	15.32	
	For Stainless Steel, Add	107.24	
	For >10 To 50, Deduct	-1.48	
	For >50 To 100, Deduct	-3.72	
	For >100, Deduct	-7.44	
03 15 19 00-0083	EA 1-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	68.03	
	For Galvanized, Add	16.57	
	For Stainless Steel, Add	115.99	
	For >10 To 50, Deduct	-1.74	
	For >50 To 100, Deduct	-4.32	
	For >100, Deduct	-8.64	
03 15 19 00-0084	EA 1-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	79.41	
	For Galvanized, Add	18.38	
	For Stainless Steel, Add	128.63	
	For >10 To 50, Deduct	-2.13	
	For >50 To 100, Deduct	-5.18	
	For >100, Deduct	-10.37	
03 15 19 00-0085	EA 1-3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	50.54	
	For Galvanized, Add	15.67	
	For Stainless Steel, Add	109.69	
	For >10 To 50, Deduct	-0.96	
	For >50 To 100, Deduct	-2.70	
	For >100, Deduct	-5.41	
03 15 19 00-0086	EA 1-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	53.35	
	For Galvanized, Add	16.01	
	For Stainless Steel, Add	112.07	
	For >10 To 50, Deduct	-1.07	
	For >50 To 100, Deduct	-2.93	
	For >100, Deduct	-5.87	
03 15 19 00-0087	EA 1-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	55.12	
	For Galvanized, Add	16.27	
	For Stainless Steel, Add	113.89	
	For >10 To 50, Deduct	-1.13	
	For >50 To 100, Deduct	-3.07	
	For >100, Deduct	-6.14	
03 15 19 00-0088	EA 1-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	61.57	
	For Galvanized, Add	18.79	
	For Stainless Steel, Add	131.53	
	For >10 To 50, Deduct	-1.20	
	For >50 To 100, Deduct	-3.34	
	For >100, Deduct	-6.68	
03 15 19 00-0089	EA 1-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	70.80	
	For Galvanized, Add	21.69	
	For Stainless Steel, Add	151.83	
	For >10 To 50, Deduct	-1.37	
	For >50 To 100, Deduct	-3.83	
	For >100, Deduct	-7.65	
03 15 19 00-0090	EA 1-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	75.94	
	For Galvanized, Add	21.98	
	For Stainless Steel, Add	153.83	
	For >10 To 50, Deduct	-1.60	
	For >50 To 100, Deduct	-4.30	
	For >100, Deduct	-8.60	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0091	EA		1-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	85.84	
			<i>For Galvanized, Add</i>	23.73	
			<i>For Stainless Steel, Add</i>	166.11	
			<i>For >10 To 50, Deduct</i>	-1.92	
			<i>For >50 To 100, Deduct</i>	-5.02	
			<i>For >100, Deduct</i>	-10.05	
03 15 19 00-0092	EA		1-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	99.10	
			<i>For Galvanized, Add</i>	25.56	
			<i>For Stainless Steel, Add</i>	178.92	
			<i>For >10 To 50, Deduct</i>	-2.40	
			<i>For >50 To 100, Deduct</i>	-6.08	
			<i>For >100, Deduct</i>	-12.15	
03 15 19 00-0093	EA		2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	70.29	
			<i>For Galvanized, Add</i>	23.86	
			<i>For Stainless Steel, Add</i>	166.99	
			<i>For >10 To 50, Deduct</i>	-1.13	
			<i>For >50 To 100, Deduct</i>	-3.45	
			<i>For >100, Deduct</i>	-6.90	
03 15 19 00-0094	EA		2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	77.17	
			<i>For Galvanized, Add</i>	25.79	
			<i>For Stainless Steel, Add</i>	180.53	
			<i>For >10 To 50, Deduct</i>	-1.28	
			<i>For >50 To 100, Deduct</i>	-3.85	
			<i>For >100, Deduct</i>	-7.70	
03 15 19 00-0095	EA		2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	85.74	
			<i>For Galvanized, Add</i>	28.11	
			<i>For Stainless Steel, Add</i>	196.77	
			<i>For >10 To 50, Deduct</i>	-1.48	
			<i>For >50 To 100, Deduct</i>	-4.36	
			<i>For >100, Deduct</i>	-8.72	
03 15 19 00-0096	EA		2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	94.43	
			<i>For Galvanized, Add</i>	29.77	
			<i>For Stainless Steel, Add</i>	208.39	
			<i>For >10 To 50, Deduct</i>	-1.74	
			<i>For >50 To 100, Deduct</i>	-4.98	
			<i>For >100, Deduct</i>	-9.96	
03 15 19 00-0097	EA		2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	102.36	
			<i>For Galvanized, Add</i>	31.99	
			<i>For Stainless Steel, Add</i>	223.93	
			<i>For >10 To 50, Deduct</i>	-1.92	
			<i>For >50 To 100, Deduct</i>	-5.44	
			<i>For >100, Deduct</i>	-10.88	
03 15 19 00-0098	EA		2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	110.98	
			<i>For Galvanized, Add</i>	34.16	
			<i>For Stainless Steel, Add</i>	239.12	
			<i>For >10 To 50, Deduct</i>	-2.13	
			<i>For >50 To 100, Deduct</i>	-5.97	
			<i>For >100, Deduct</i>	-11.95	
03 15 19 00-0099	EA		2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	128.20	
			<i>For Galvanized, Add</i>	36.69	
			<i>For Stainless Steel, Add</i>	256.80	
			<i>For >10 To 50, Deduct</i>	-2.74	
			<i>For >50 To 100, Deduct</i>	-7.32	
			<i>For >100, Deduct</i>	-14.63	
03 15 19 00-0100	EA		2" Diameter x 66" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	135.49	
			<i>For Galvanized, Add</i>	40.33	
			<i>For Stainless Steel, Add</i>	282.31	
			<i>For >10 To 50, Deduct</i>	-2.74	
			<i>For >50 To 100, Deduct</i>	-7.50	
			<i>For >100, Deduct</i>	-15.00	
03 15 19 00-0101	EA		2" Diameter x 72" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	153.63	
			<i>For Galvanized, Add</i>	44.83	
			<i>For Stainless Steel, Add</i>	313.81	
			<i>For >10 To 50, Deduct</i>	-3.20	
			<i>For >50 To 100, Deduct</i>	-8.64	
			<i>For >100, Deduct</i>	-17.28	
03 15 19 00-0102			2-1/2" And 2-3/4" Diameter <small>(03 15 19 00-0036)</small>		
03 15 19 00-0103	EA		2-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	128.58	
			<i>For Galvanized, Add</i>	53.00	
			<i>For Stainless Steel, Add</i>	371.00	
			<i>For >10 To 50, Deduct</i>	-1.13	
			<i>For >50 To 100, Deduct</i>	-4.91	
			<i>For >100, Deduct</i>	-9.82	
03 15 19 00-0104	EA		2-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	136.38	
			<i>For Galvanized, Add</i>	55.40	
			<i>For Stainless Steel, Add</i>	387.77	
			<i>For >10 To 50, Deduct</i>	-1.28	
			<i>For >50 To 100, Deduct</i>	-5.33	
			<i>For >100, Deduct</i>	-10.66	

03 Concrete**03 10 Concrete Forming And Accessories****03 15 Concrete Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0105	EA		2-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	149.67	
			<i>For Galvanized, Add</i>	60.08	
			<i>For Stainless Steel, Add</i>	420.53	
			<i>For >10 To 50, Deduct</i>	-1.48	
			<i>For >50 To 100, Deduct</i>	-5.96	
			<i>For >100, Deduct</i>	-11.91	
03 15 19 00-0106	EA		2-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	161.51	
			<i>For Galvanized, Add</i>	63.31	
			<i>For Stainless Steel, Add</i>	443.17	
			<i>For >10 To 50, Deduct</i>	-1.74	
			<i>For >50 To 100, Deduct</i>	-6.65	
			<i>For >100, Deduct</i>	-13.31	
03 15 19 00-0107	EA		2-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	171.79	
			<i>For Galvanized, Add</i>	66.71	
			<i>For Stainless Steel, Add</i>	466.94	
			<i>For >10 To 50, Deduct</i>	-1.92	
			<i>For >50 To 100, Deduct</i>	-7.17	
			<i>For >100, Deduct</i>	-14.35	
03 15 19 00-0108	EA		2-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	183.67	
			<i>For Galvanized, Add</i>	70.51	
			<i>For Stainless Steel, Add</i>	493.54	
			<i>For >10 To 50, Deduct</i>	-2.13	
			<i>For >50 To 100, Deduct</i>	-7.79	
			<i>For >100, Deduct</i>	-15.58	
03 15 19 00-0109	EA		2-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	203.63	
			<i>For Galvanized, Add</i>	74.40	
			<i>For Stainless Steel, Add</i>	520.80	
			<i>For >10 To 50, Deduct</i>	-2.74	
			<i>For >50 To 100, Deduct</i>	-9.20	
			<i>For >100, Deduct</i>	-18.41	
03 15 19 00-0110	EA		2-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	143.98	
			<i>For Galvanized, Add</i>	60.00	
			<i>For Stainless Steel, Add</i>	419.97	
			<i>For >10 To 50, Deduct</i>	-1.20	
			<i>For >50 To 100, Deduct</i>	-5.40	
			<i>For >100, Deduct</i>	-10.80	
03 15 19 00-0111	EA		2-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	155.78	
			<i>For Galvanized, Add</i>	64.18	
			<i>For Stainless Steel, Add</i>	449.26	
			<i>For >10 To 50, Deduct</i>	-1.37	
			<i>For >50 To 100, Deduct</i>	-5.95	
			<i>For >100, Deduct</i>	-11.90	
03 15 19 00-0112	EA		2-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	168.79	
			<i>For Galvanized, Add</i>	68.40	
			<i>For Stainless Steel, Add</i>	478.80	
			<i>For >10 To 50, Deduct</i>	-1.60	
			<i>For >50 To 100, Deduct</i>	-6.62	
			<i>For >100, Deduct</i>	-13.24	
03 15 19 00-0113	EA		2-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	182.78	
			<i>For Galvanized, Add</i>	72.20	
			<i>For Stainless Steel, Add</i>	505.40	
			<i>For >10 To 50, Deduct</i>	-1.92	
			<i>For >50 To 100, Deduct</i>	-7.45	
			<i>For >100, Deduct</i>	-14.90	
03 15 19 00-0114	EA		2-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	195.37	
			<i>For Galvanized, Add</i>	76.36	
			<i>For Stainless Steel, Add</i>	534.49	
			<i>For >10 To 50, Deduct</i>	-2.13	
			<i>For >50 To 100, Deduct</i>	-8.08	
			<i>For >100, Deduct</i>	-16.17	
03 15 19 00-0115	EA		2-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	212.49	
			<i>For Galvanized, Add</i>	82.26	
			<i>For Stainless Steel, Add</i>	575.79	
			<i>For >10 To 50, Deduct</i>	-2.40	
			<i>For >50 To 100, Deduct</i>	-8.91	
			<i>For >100, Deduct</i>	-17.82	
03 15 19 00-0116	EA		2-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	237.52	
			<i>For Galvanized, Add</i>	86.78	
			<i>For Stainless Steel, Add</i>	607.43	
			<i>For >10 To 50, Deduct</i>	-3.20	
			<i>For >50 To 100, Deduct</i>	-10.74	
			<i>For >100, Deduct</i>	-21.47	

03 20 Concrete Reinforcing ⁽⁰³⁾

Note: Includes cutting or torching to size, bending where necessary and tie wires.

03 21 Reinforcement Bars ^(03 20)

Note: Includes cutting, bending, tie wire, tying, bar chairs and all non-mechanical splicing. The weights of reinforcing steel shall be used as follows: #2 - 0.167 Lbs./LF, #3 - 0.376 Lbs./LF, #4 - 0.668 Lbs./LF, #5 - 1.043 Lbs./LF, #6 - 1.502 Lbs./LF, #7 - 2.044 Lbs./LF, #8 - 2.670 Lbs./LF, #9 - 3.400 Lbs./LF, #10 - 4.303 Lbs./LF, #11 - 5.313 Lbs./LF, #14 - 7.650 Lbs./LF, #18 - 13.600 Lbs./LF.

03 21 11 Plain Steel Reinforcement Bars ^(03 21)**03 21 11 00-0001 Beams And Girders, Steel Reinforcement Bar** ^(03 21 11)

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0002	LF		#3, Grade 40, Beams And Girders, Steel Reinforcement Bar.....	0.54	
03 21 11 00-0003	LF		#4, Grade 40, Beams And Girders, Steel Reinforcement Bar.....	0.90	
03 21 11 00-0004	LF		#5, Grade 40, Beams And Girders, Steel Reinforcement Bar.....	1.35	
03 21 11 00-0005	LF		#6, Grade 40, Beams And Girders, Steel Reinforcement Bar.....	1.85	
03 21 11 00-0006	LF		#3, Grade 50, Beams And Girders, Steel Reinforcement Bar.....	0.55	
03 21 11 00-0007	LF		#4, Grade 50, Beams And Girders, Steel Reinforcement Bar.....	0.92	
03 21 11 00-0008	LF		#5, Grade 50, Beams And Girders, Steel Reinforcement Bar.....	1.38	
03 21 11 00-0009	LF		#6, Grade 50, Beams And Girders, Steel Reinforcement Bar.....	1.89	
03 21 11 00-0010	LF		#3, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	0.57	
03 21 11 00-0011	LF		#4, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	0.94	
03 21 11 00-0012	LF		#5, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	1.42	
03 21 11 00-0013	LF		#6, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	1.95	
03 21 11 00-0014	LF		#7, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	2.53	
03 21 11 00-0015	LF		#8, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	3.12	
03 21 11 00-0016	LF		#9, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	3.83	
03 21 11 00-0017	LF		#10, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	4.65	
03 21 11 00-0018	LF		#11, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	5.51	
03 21 11 00-0019	LF		#14, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	7.61	
03 21 11 00-0020	LF		#18, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	12.94	
03 21 11 00-0021	LF		#6, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	2.01	
03 21 11 00-0022	LF		#7, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	2.61	
03 21 11 00-0023	LF		#8, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	3.23	
03 21 11 00-0024	LF		#9, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	3.96	
03 21 11 00-0025	LF		#10, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	4.83	
03 21 11 00-0026	LF		#11, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	5.73	
03 21 11 00-0027	LF		#14, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	7.91	
03 21 11 00-0028	LF		#18, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	13.48	
03 21 11 00-0029	LF		#3, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	0.58	
03 21 11 00-0030	LF		#4, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	0.96	
03 21 11 00-0031	LF		#5, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	1.45	
03 21 11 00-0032	LF		#6, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	1.99	
03 21 11 00-0033	LF		#7, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	2.59	
03 21 11 00-0034	LF		#8, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	3.21	
03 21 11 00-0035	LF		#9, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	3.93	
03 21 11 00-0036	LF		#10, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	4.78	
03 21 11 00-0037	LF		#11, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	5.67	
03 21 11 00-0038	LF		#14, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	7.84	
03 21 11 00-0039	LF		#18, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	13.35	

03 21 11 00-0040

Columns, Steel Reinforcement Bar (03 21 11)

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0041	LF		#3, Grade 40, Columns, Steel Reinforcement Bar.....	0.56	
03 21 11 00-0042	LF		#4, Grade 40, Columns, Steel Reinforcement Bar.....	0.96	
03 21 11 00-0043	LF		#5, Grade 40, Columns, Steel Reinforcement Bar.....	1.42	
03 21 11 00-0044	LF		#6, Grade 40, Columns, Steel Reinforcement Bar.....	1.95	
03 21 11 00-0045	LF		#3, Grade 50, Columns, Steel Reinforcement Bar.....	0.57	
03 21 11 00-0046	LF		#4, Grade 50, Columns, Steel Reinforcement Bar.....	0.98	
03 21 11 00-0047	LF		#5, Grade 50, Columns, Steel Reinforcement Bar.....	1.45	
03 21 11 00-0048	LF		#6, Grade 50, Columns, Steel Reinforcement Bar.....	1.99	
03 21 11 00-0049	LF		#3, Grade 60, Columns, Steel Reinforcement Bar.....	0.59	
03 21 11 00-0050	LF		#4, Grade 60, Columns, Steel Reinforcement Bar.....	1.00	
03 21 11 00-0051	LF		#5, Grade 60, Columns, Steel Reinforcement Bar.....	1.49	
03 21 11 00-0052	LF		#6, Grade 60, Columns, Steel Reinforcement Bar.....	2.05	
03 21 11 00-0053	LF		#7, Grade 60, Columns, Steel Reinforcement Bar.....	2.66	
03 21 11 00-0054	LF		#8, Grade 60, Columns, Steel Reinforcement Bar.....	3.27	
03 21 11 00-0055	LF		#9, Grade 60, Columns, Steel Reinforcement Bar.....	4.00	
03 21 11 00-0056	LF		#10, Grade 60, Columns, Steel Reinforcement Bar.....	4.85	
03 21 11 00-0057	LF		#11, Grade 60, Columns, Steel Reinforcement Bar.....	5.74	
03 21 11 00-0058	LF		#14, Grade 60, Columns, Steel Reinforcement Bar.....	7.91	
03 21 11 00-0059	LF		#18, Grade 60, Columns, Steel Reinforcement Bar.....	13.41	
03 21 11 00-0060	LF		#6, Grade 75, Columns, Steel Reinforcement Bar.....	2.11	
03 21 11 00-0061	LF		#7, Grade 75, Columns, Steel Reinforcement Bar.....	2.74	
03 21 11 00-0062	LF		#8, Grade 75, Columns, Steel Reinforcement Bar.....	3.38	
03 21 11 00-0063	LF		#9, Grade 75, Columns, Steel Reinforcement Bar.....	4.13	
03 21 11 00-0064	LF		#10, Grade 75, Columns, Steel Reinforcement Bar.....	5.03	
03 21 11 00-0065	LF		#11, Grade 75, Columns, Steel Reinforcement Bar.....	5.96	
03 21 11 00-0066	LF		#14, Grade 75, Columns, Steel Reinforcement Bar.....	8.21	
03 21 11 00-0067	LF		#18, Grade 75, Columns, Steel Reinforcement Bar.....	13.95	
03 21 11 00-0068	LF		#3, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	0.60	
03 21 11 00-0069	LF		#4, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	1.02	
03 21 11 00-0070	LF		#5, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	1.52	
03 21 11 00-0071	LF		#6, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	2.09	
03 21 11 00-0072	LF		#7, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	2.72	
03 21 11 00-0073	LF		#8, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	3.36	
03 21 11 00-0074	LF		#9, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	4.10	
03 21 11 00-0075	LF		#10, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	4.98	
03 21 11 00-0076	LF		#11, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	5.90	
03 21 11 00-0077	LF		#14, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	8.14	
03 21 11 00-0078	LF		#18, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	13.82	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 21 11 00-0079

Footings, Steel Reinforcement Bar ^(03 21 11)

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0080	LF	#3, Grade 40, Footings, Steel Reinforcement Bar	0.48
03 21 11 00-0081	LF	#4, Grade 40, Footings, Steel Reinforcement Bar	0.83
03 21 11 00-0082	LF	#5, Grade 40, Footings, Steel Reinforcement Bar	1.23
03 21 11 00-0083	LF	#6, Grade 40, Footings, Steel Reinforcement Bar	1.69
03 21 11 00-0084	LF	#3, Grade 50, Footings, Steel Reinforcement Bar	0.49
03 21 11 00-0085	LF	#4, Grade 50, Footings, Steel Reinforcement Bar	0.85
03 21 11 00-0086	LF	#5, Grade 50, Footings, Steel Reinforcement Bar	1.26
03 21 11 00-0087	LF	#6, Grade 50, Footings, Steel Reinforcement Bar	1.73
03 21 11 00-0088	LF	#3, Grade 60, Footings, Steel Reinforcement Bar	0.51
03 21 11 00-0089	LF	#4, Grade 60, Footings, Steel Reinforcement Bar	0.87
03 21 11 00-0090	LF	#5, Grade 60, Footings, Steel Reinforcement Bar	1.30
03 21 11 00-0091	LF	#6, Grade 60, Footings, Steel Reinforcement Bar	1.79
03 21 11 00-0092	LF	#7, Grade 60, Footings, Steel Reinforcement Bar	2.33
03 21 11 00-0093	LF	#8, Grade 60, Footings, Steel Reinforcement Bar	2.90
03 21 11 00-0094	LF	#9, Grade 60, Footings, Steel Reinforcement Bar	3.56
03 21 11 00-0095	LF	#10, Grade 60, Footings, Steel Reinforcement Bar	4.34
03 21 11 00-0096	LF	#11, Grade 60, Footings, Steel Reinforcement Bar	5.17
03 21 11 00-0097	LF	#14, Grade 60, Footings, Steel Reinforcement Bar	7.17
03 21 11 00-0098	LF	#18, Grade 60, Footings, Steel Reinforcement Bar	12.24
03 21 11 00-0099	LF	#6, Grade 75, Footings, Steel Reinforcement Bar	1.85
03 21 11 00-0100	LF	#7, Grade 75, Footings, Steel Reinforcement Bar	2.41
03 21 11 00-0101	LF	#8, Grade 75, Footings, Steel Reinforcement Bar	3.01
03 21 11 00-0102	LF	#9, Grade 75, Footings, Steel Reinforcement Bar	3.69
03 21 11 00-0103	LF	#10, Grade 75, Footings, Steel Reinforcement Bar	4.52
03 21 11 00-0104	LF	#11, Grade 75, Footings, Steel Reinforcement Bar	5.39
03 21 11 00-0105	LF	#14, Grade 75, Footings, Steel Reinforcement Bar	7.47
03 21 11 00-0106	LF	#18, Grade 75, Footings, Steel Reinforcement Bar	12.78
03 21 11 00-0107	LF	#3, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	0.52
03 21 11 00-0108	LF	#4, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	0.89
03 21 11 00-0109	LF	#5, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	1.33
03 21 11 00-0110	LF	#6, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	1.83
03 21 11 00-0111	LF	#7, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	2.39
03 21 11 00-0112	LF	#8, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	2.99
03 21 11 00-0113	LF	#9, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	3.66
03 21 11 00-0114	LF	#10, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	4.47
03 21 11 00-0115	LF	#11, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	5.33
03 21 11 00-0116	LF	#14, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	7.40
03 21 11 00-0117	LF	#18, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	12.65

03 21 11 00-0118

Slab On Grade, Steel Reinforcement Bar ^(03 21 11)

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0119	LF	#3, Grade 40, Slab On Grade, Steel Reinforcement Bar	0.47
03 21 11 00-0120	LF	#4, Grade 40, Slab On Grade, Steel Reinforcement Bar	0.80
03 21 11 00-0121	LF	#5, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.19
03 21 11 00-0122	LF	#6, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.64
03 21 11 00-0123	LF	#3, Grade 50, Slab On Grade, Steel Reinforcement Bar	0.48
03 21 11 00-0124	LF	#4, Grade 50, Slab On Grade, Steel Reinforcement Bar	0.82
03 21 11 00-0125	LF	#5, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.22
03 21 11 00-0126	LF	#6, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.68
03 21 11 00-0127	LF	#3, Grade 60, Slab On Grade, Steel Reinforcement Bar	0.50
03 21 11 00-0128	LF	#4, Grade 60, Slab On Grade, Steel Reinforcement Bar	0.84
03 21 11 00-0129	LF	#5, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.26
03 21 11 00-0130	LF	#6, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.74
03 21 11 00-0131	LF	#7, Grade 60, Slab On Grade, Steel Reinforcement Bar	2.27
03 21 11 00-0132	LF	#8, Grade 60, Slab On Grade, Steel Reinforcement Bar	2.81
03 21 11 00-0133	LF	#9, Grade 60, Slab On Grade, Steel Reinforcement Bar	3.48
03 21 11 00-0134	LF	#10, Grade 60, Slab On Grade, Steel Reinforcement Bar	4.24
03 21 11 00-0135	LF	#11, Grade 60, Slab On Grade, Steel Reinforcement Bar	5.06
03 21 11 00-0136	LF	#14, Grade 60, Slab On Grade, Steel Reinforcement Bar	7.01
03 21 11 00-0137	LF	#18, Grade 60, Slab On Grade, Steel Reinforcement Bar	11.99
03 21 11 00-0138	LF	#6, Grade 75, Slab On Grade, Steel Reinforcement Bar	1.80
03 21 11 00-0139	LF	#7, Grade 75, Slab On Grade, Steel Reinforcement Bar	2.35
03 21 11 00-0140	LF	#8, Grade 75, Slab On Grade, Steel Reinforcement Bar	2.92
03 21 11 00-0141	LF	#9, Grade 75, Slab On Grade, Steel Reinforcement Bar	3.61
03 21 11 00-0142	LF	#10, Grade 75, Slab On Grade, Steel Reinforcement Bar	4.42
03 21 11 00-0143	LF	#11, Grade 75, Slab On Grade, Steel Reinforcement Bar	5.28
03 21 11 00-0144	LF	#14, Grade 75, Slab On Grade, Steel Reinforcement Bar	7.31
03 21 11 00-0145	LF	#18, Grade 75, Slab On Grade, Steel Reinforcement Bar	12.53
03 21 11 00-0146	LF	#3, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	0.51
03 21 11 00-0147	LF	#4, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	0.86
03 21 11 00-0148	LF	#5, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.29
03 21 11 00-0149	LF	#6, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.78
03 21 11 00-0150	LF	#7, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.33
03 21 11 00-0151	LF	#8, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.90
03 21 11 00-0152	LF	#9, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	3.58
03 21 11 00-0153	LF	#10, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	4.37
03 21 11 00-0154	LF	#11, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	5.22
03 21 11 00-0155	LF	#14, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	7.24



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 21 11 00-0156 LF #18, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar..... 12.40

03 21 11 00-0157 Elevated Slabs, Steel Reinforcement Bar (03 21 11)

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0158 LF #3, Grade 40, Elevated Slabs, Steel Reinforcement Bar.....	0.43
03 21 11 00-0159 LF #4, Grade 40, Elevated Slabs, Steel Reinforcement Bar.....	0.74
03 21 11 00-0160 LF #5, Grade 40, Elevated Slabs, Steel Reinforcement Bar.....	1.11
03 21 11 00-0161 LF #6, Grade 40, Elevated Slabs, Steel Reinforcement Bar.....	1.53
03 21 11 00-0162 LF #3, Grade 50, Elevated Slabs, Steel Reinforcement Bar.....	0.44
03 21 11 00-0163 LF #4, Grade 50, Elevated Slabs, Steel Reinforcement Bar.....	0.76
03 21 11 00-0164 LF #5, Grade 50, Elevated Slabs, Steel Reinforcement Bar.....	1.14
03 21 11 00-0165 LF #6, Grade 50, Elevated Slabs, Steel Reinforcement Bar.....	1.57
03 21 11 00-0166 LF #3, Grade 60, Elevated Slabs, Steel Reinforcement Bar.....	0.46
03 21 11 00-0167 LF #4, Grade 60, Elevated Slabs, Steel Reinforcement Bar.....	0.78
03 21 11 00-0168 LF #5, Grade 60, Elevated Slabs, Steel Reinforcement Bar.....	1.18
03 21 11 00-0169 LF #6, Grade 60, Elevated Slabs, Steel Reinforcement Bar.....	1.63
03 21 11 00-0170 LF #7, Grade 60, Elevated Slabs, Steel Reinforcement Bar.....	2.14
03 21 11 00-0171 LF #8, Grade 60, Elevated Slabs, Steel Reinforcement Bar.....	2.65
03 21 11 00-0172 LF #9, Grade 60, Elevated Slabs, Steel Reinforcement Bar.....	3.29
03 21 11 00-0173 LF #10, Grade 60, Elevated Slabs, Steel Reinforcement Bar.....	4.04
03 21 11 00-0174 LF #11, Grade 60, Elevated Slabs, Steel Reinforcement Bar.....	4.82
03 21 11 00-0175 LF #14, Grade 60, Elevated Slabs, Steel Reinforcement Bar.....	6.72
03 21 11 00-0176 LF #18, Grade 60, Elevated Slabs, Steel Reinforcement Bar.....	11.53
03 21 11 00-0177 LF #6, Grade 75, Elevated Slabs, Steel Reinforcement Bar.....	1.69
03 21 11 00-0178 LF #7, Grade 75, Elevated Slabs, Steel Reinforcement Bar.....	2.22
03 21 11 00-0179 LF #8, Grade 75, Elevated Slabs, Steel Reinforcement Bar.....	2.76
03 21 11 00-0180 LF #9, Grade 75, Elevated Slabs, Steel Reinforcement Bar.....	3.42
03 21 11 00-0181 LF #10, Grade 75, Elevated Slabs, Steel Reinforcement Bar.....	4.22
03 21 11 00-0182 LF #11, Grade 75, Elevated Slabs, Steel Reinforcement Bar.....	5.04
03 21 11 00-0183 LF #14, Grade 75, Elevated Slabs, Steel Reinforcement Bar.....	7.02
03 21 11 00-0184 LF #18, Grade 75, Elevated Slabs, Steel Reinforcement Bar.....	12.07
03 21 11 00-0185 LF #3, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	0.47
03 21 11 00-0186 LF #4, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	0.80
03 21 11 00-0187 LF #5, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	1.21
03 21 11 00-0188 LF #6, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	1.67
03 21 11 00-0189 LF #7, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	2.20
03 21 11 00-0190 LF #8, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	2.74
03 21 11 00-0191 LF #9, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	3.39
03 21 11 00-0192 LF #10, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	4.17
03 21 11 00-0193 LF #11, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	4.98
03 21 11 00-0194 LF #14, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	6.95
03 21 11 00-0195 LF #18, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	11.94

03 21 11 00-0196 Walls, Steel Reinforcement Bar (03 21 11)

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0197 LF #3, Grade 40, Walls, Steel Reinforcement Bar.....	0.42
03 21 11 00-0198 LF #4, Grade 40, Walls, Steel Reinforcement Bar.....	0.71
03 21 11 00-0199 LF #5, Grade 40, Walls, Steel Reinforcement Bar.....	1.07
03 21 11 00-0200 LF #6, Grade 40, Walls, Steel Reinforcement Bar.....	1.48
03 21 11 00-0201 LF #3, Grade 50, Walls, Steel Reinforcement Bar.....	0.43
03 21 11 00-0202 LF #4, Grade 50, Walls, Steel Reinforcement Bar.....	0.73
03 21 11 00-0203 LF #5, Grade 50, Walls, Steel Reinforcement Bar.....	1.10
03 21 11 00-0204 LF #6, Grade 50, Walls, Steel Reinforcement Bar.....	1.52
03 21 11 00-0205 LF #3, Grade 60, Walls, Steel Reinforcement Bar.....	0.45
03 21 11 00-0206 LF #4, Grade 60, Walls, Steel Reinforcement Bar.....	0.75
03 21 11 00-0207 LF #5, Grade 60, Walls, Steel Reinforcement Bar.....	1.14
03 21 11 00-0208 LF #6, Grade 60, Walls, Steel Reinforcement Bar.....	1.58
03 21 11 00-0209 LF #7, Grade 60, Walls, Steel Reinforcement Bar.....	2.07
03 21 11 00-0210 LF #8, Grade 60, Walls, Steel Reinforcement Bar.....	2.58
03 21 11 00-0211 LF #9, Grade 60, Walls, Steel Reinforcement Bar.....	3.21
03 21 11 00-0212 LF #10, Grade 60, Walls, Steel Reinforcement Bar.....	3.94
03 21 11 00-0213 LF #11, Grade 60, Walls, Steel Reinforcement Bar.....	4.71
03 21 11 00-0214 LF #14, Grade 60, Walls, Steel Reinforcement Bar.....	6.57
03 21 11 00-0215 LF #18, Grade 60, Walls, Steel Reinforcement Bar.....	11.29
03 21 11 00-0216 LF #6, Grade 75, Walls, Steel Reinforcement Bar.....	1.64
03 21 11 00-0217 LF #7, Grade 75, Walls, Steel Reinforcement Bar.....	2.15
03 21 11 00-0218 LF #8, Grade 75, Walls, Steel Reinforcement Bar.....	2.69
03 21 11 00-0219 LF #9, Grade 75, Walls, Steel Reinforcement Bar.....	3.34
03 21 11 00-0220 LF #10, Grade 75, Walls, Steel Reinforcement Bar.....	4.12
03 21 11 00-0221 LF #11, Grade 75, Walls, Steel Reinforcement Bar.....	4.93
03 21 11 00-0222 LF #14, Grade 75, Walls, Steel Reinforcement Bar.....	6.87
03 21 11 00-0223 LF #18, Grade 75, Walls, Steel Reinforcement Bar.....	11.83
03 21 11 00-0224 LF #3, Grade 60, Walls, Low Alloy Steel Reinforcement Bar.....	0.46
03 21 11 00-0225 LF #4, Grade 60, Walls, Low Alloy Steel Reinforcement Bar.....	0.77
03 21 11 00-0226 LF #5, Grade 60, Walls, Low Alloy Steel Reinforcement Bar.....	1.17
03 21 11 00-0227 LF #6, Grade 60, Walls, Low Alloy Steel Reinforcement Bar.....	1.62
03 21 11 00-0228 LF #7, Grade 60, Walls, Low Alloy Steel Reinforcement Bar.....	2.13
03 21 11 00-0229 LF #8, Grade 60, Walls, Low Alloy Steel Reinforcement Bar.....	2.67
03 21 11 00-0230 LF #9, Grade 60, Walls, Low Alloy Steel Reinforcement Bar.....	3.31

03	Concrete
03 20	Concrete Reinforcing
03 21	Reinforcement Bars



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0231	LF		#10, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	4.07	
03 21 11 00-0232	LF		#11, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	4.87	
03 21 11 00-0233	LF		#14, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	6.80	
03 21 11 00-0234	LF		#18, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	11.70	
03 21 11 00-0235			Mechanical Joint Connection (03 21 11)		
03 21 11 00-0236			Thermal Type Mechanical Joint Connection (03 21 11 00-0235)		
03 21 11 00-0237	EA		Thermal Type Mechanical Joint Connection, Add Per Splice	174.01	
03 21 11 00-0238			Screwed Type Mechanical Joint Connection (03 21 11 00-0235)		
03 21 11 00-0239	EA		Screwed Type Mechanical Joint Connection, Add Per Splice.....	95.67	
03 21 11 00-0240			Deformed Straight Dowels (03 21 11)		
			Note: Excludes drilling. See CSI section 02 41 19 13-0221 for drilling in concrete.		
03 21 11 00-0241	EA		3/8" Diameter x 24" Long, Deformed Straight Dowel	2.30	
			For Up To 12" Length, Deduct	-0.24	
			For >12" To <24" Length, Deduct	-0.12	
03 21 11 00-0242	EA		1/2" Diameter x 24" Long, Deformed Straight Dowel	2.73	
			For Up To 12" Length, Deduct	-0.32	
			For >12" To <24" Length, Deduct	-0.16	
03 21 11 00-0243	EA		5/8" Diameter x 24" Long, Deformed Straight Dowel	3.29	
			For Up To 12" Length, Deduct	-0.50	
			For >12" To <24" Length, Deduct	-0.25	
03 21 11 00-0244	EA		3/4" Diameter x 24" Long, Deformed Straight Dowel	3.95	
			For Up To 12" Length, Deduct	-0.72	
			For >12" To <24" Length, Deduct	-0.36	
03 21 11 00-0245	EA		7/8" Diameter x 24" Long, Deformed Straight Dowel	4.61	
			For Up To 12" Length, Deduct	-1.01	
			For >12" To <24" Length, Deduct	-0.51	
03 21 11 00-0246	EA		1" Diameter x 24" Long, Deformed Straight Dowel	5.81	
			For Up To 12" Length, Deduct	-1.30	
			For >12" To <24" Length, Deduct	-0.65	
03 21 11 00-0247	EA		1-1/8" Diameter x 24" Long, Deformed Straight Dowel	6.83	
			For Up To 12" Length, Deduct	-1.60	
			For >12" To <24" Length, Deduct	-0.80	
03 21 11 00-0248	EA		1-1/4" Diameter x 24" Long, Deformed Straight Dowel	8.31	
			For Up To 12" Length, Deduct	-2.09	
			For >12" To <24" Length, Deduct	-1.04	
03 21 11 00-0249	EA		1-3/8" Diameter x 24" Long, Deformed Straight Dowel	9.82	
			For Up To 12" Length, Deduct	-2.58	
			For >12" To <24" Length, Deduct	-1.29	
03 21 11 00-0250			Spirals, Reinforcing Steel (03 21 11)		
03 21 11 00-0251	TON		Up To 15" Diameter, Grade 60, Spirals, Reinforcing Steel	4,011.79	
			For Grade 75, Add	194.39	
03 21 11 00-0252	TON		>15" To 24" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,977.71	
			For Grade 75, Add	194.39	
03 21 11 00-0253	TON		>24" To 36" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,977.71	
			For Grade 75, Add	194.39	
03 21 11 00-0254	TON		>36" To 48" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,909.21	
			For Grade 75, Add	194.39	
03 21 11 00-0255	TON		>48" To 64" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,851.73	
			For Grade 75, Add	194.39	
03 21 11 00-0256	TON		>64" To 84" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,858.61	
			For Grade 75, Add	199.17	
03 21 11 00-0257	TON		>84" To 96" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,810.49	
			For Grade 75, Add	199.17	
03 21 11 00-0258			Dowel Or Hairpin, Drilled And Epoxy Into Concrete (03 21 11)		
03 21 11 00-0259	EA		Dowels Or Hairpin, 1/2" x 30" Length, Drilled And Epoxy In Concrete, 6" Embedment	22.30	
03 21 11 00-0260	EA		Dowels Or Hairpin, 1/2" x 36" Length, Drilled And Epoxy In Concrete, >6" To 12" Embedment.....	23.22	
03 21 11 00-0261			Accessories For Reinforcing Steel (03 21 11)		
03 21 11 00-0262			Reinforcing Steel Weld Splice (03 21 11 00-0261)		
03 21 11 00-0263	EA		Up To #6 Reinforcing Steel Weld Splice	34.50	
03 21 11 00-0264	EA		>#6 Reinforcing Steel Weld Splice	49.94	
03 21 11 00-0265			Reinforcing Steel Sleeve And Wedge Splice Joint (03 21 11 00-0261)		
03 21 11 00-0266	EA		Up To #4 Reinforcing Steel, Sleeve And Wedge Splice Joint	26.05	
03 21 11 00-0267	EA		#5 Reinforcing Steel, Sleeve And Wedge Splice Joint.....	38.56	
03 21 11 00-0268	EA		#6 Reinforcing Steel, Sleeve And Wedge Splice Joint.....	56.22	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 21 13 Galvanized Reinforcement Steel Bars (03 21)

03 21 13 00-0001

Beams And Girders, Galvanized Steel Reinforcement Bar (03 21 13)

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0002	LF	#3, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	0.65
03 21 13 00-0003	LF	#4, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	1.08
03 21 13 00-0004	LF	#5, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	1.64
03 21 13 00-0005	LF	#6, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	2.26
03 21 13 00-0006	LF	#3, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	0.66
03 21 13 00-0007	LF	#4, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	1.10
03 21 13 00-0008	LF	#5, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	1.67
03 21 13 00-0009	LF	#6, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	2.30
03 21 13 00-0010	LF	#3, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	0.67
03 21 13 00-0011	LF	#4, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	1.13
03 21 13 00-0012	LF	#5, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	1.71
03 21 13 00-0013	LF	#6, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	2.36
03 21 13 00-0014	LF	#7, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	3.09
03 21 13 00-0015	LF	#8, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	3.86
03 21 13 00-0016	LF	#9, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	4.76
03 21 13 00-0017	LF	#10, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	5.84
03 21 13 00-0018	LF	#11, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	6.97
03 21 13 00-0019	LF	#14, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	9.71
03 21 13 00-0020	LF	#18, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	16.68
03 21 13 00-0021	LF	#6, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	2.42
03 21 13 00-0022	LF	#7, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	3.17
03 21 13 00-0023	LF	#8, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	3.97
03 21 13 00-0024	LF	#9, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	4.90
03 21 13 00-0025	LF	#10, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	6.01
03 21 13 00-0026	LF	#11, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	7.19
03 21 13 00-0027	LF	#14, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	10.02
03 21 13 00-0028	LF	#18, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	17.22

03 21 13 00-0029

Columns, Galvanized Steel Reinforcement Bar (03 21 13)

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0030	LF	#3, Grade 40, Columns, Galvanized Steel Reinforcement Bar	0.67
03 21 13 00-0031	LF	#4, Grade 40, Columns, Galvanized Steel Reinforcement Bar	1.14
03 21 13 00-0032	LF	#5, Grade 40, Columns, Galvanized Steel Reinforcement Bar	1.71
03 21 13 00-0033	LF	#6, Grade 40, Columns, Galvanized Steel Reinforcement Bar	2.36
03 21 13 00-0034	LF	#3, Grade 50, Columns, Galvanized Steel Reinforcement Bar	0.68
03 21 13 00-0035	LF	#4, Grade 50, Columns, Galvanized Steel Reinforcement Bar	1.16
03 21 13 00-0036	LF	#5, Grade 50, Columns, Galvanized Steel Reinforcement Bar	1.74
03 21 13 00-0037	LF	#6, Grade 50, Columns, Galvanized Steel Reinforcement Bar	2.40
03 21 13 00-0038	LF	#3, Grade 60, Columns, Galvanized Steel Reinforcement Bar	0.69
03 21 13 00-0039	LF	#4, Grade 60, Columns, Galvanized Steel Reinforcement Bar	1.19
03 21 13 00-0040	LF	#5, Grade 60, Columns, Galvanized Steel Reinforcement Bar	1.78
03 21 13 00-0041	LF	#6, Grade 60, Columns, Galvanized Steel Reinforcement Bar	2.46
03 21 13 00-0042	LF	#7, Grade 60, Columns, Galvanized Steel Reinforcement Bar	3.22
03 21 13 00-0043	LF	#8, Grade 60, Columns, Galvanized Steel Reinforcement Bar	4.01
03 21 13 00-0044	LF	#9, Grade 60, Columns, Galvanized Steel Reinforcement Bar	4.93
03 21 13 00-0045	LF	#10, Grade 60, Columns, Galvanized Steel Reinforcement Bar	6.04
03 21 13 00-0046	LF	#11, Grade 60, Columns, Galvanized Steel Reinforcement Bar	7.20
03 21 13 00-0047	LF	#14, Grade 60, Columns, Galvanized Steel Reinforcement Bar	10.01
03 21 13 00-0048	LF	#18, Grade 60, Columns, Galvanized Steel Reinforcement Bar	17.15
03 21 13 00-0049	LF	#6, Grade 75, Columns, Galvanized Steel Reinforcement Bar	2.52
03 21 13 00-0050	LF	#7, Grade 75, Columns, Galvanized Steel Reinforcement Bar	3.30
03 21 13 00-0051	LF	#8, Grade 75, Columns, Galvanized Steel Reinforcement Bar	4.12
03 21 13 00-0052	LF	#9, Grade 75, Columns, Galvanized Steel Reinforcement Bar	5.07
03 21 13 00-0053	LF	#10, Grade 75, Columns, Galvanized Steel Reinforcement Bar	6.21
03 21 13 00-0054	LF	#11, Grade 75, Columns, Galvanized Steel Reinforcement Bar	7.42
03 21 13 00-0055	LF	#14, Grade 75, Columns, Galvanized Steel Reinforcement Bar	10.32
03 21 13 00-0056	LF	#18, Grade 75, Columns, Galvanized Steel Reinforcement Bar	17.69

03 21 13 00-0057

Footings, Galvanized Steel Reinforcement Bar (03 21 13)

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0058	LF	#3, Grade 40, Footings, Galvanized Steel Reinforcement Bar	0.59
03 21 13 00-0059	LF	#4, Grade 40, Footings, Galvanized Steel Reinforcement Bar	1.01
03 21 13 00-0060	LF	#5, Grade 40, Footings, Galvanized Steel Reinforcement Bar	1.52
03 21 13 00-0061	LF	#6, Grade 40, Footings, Galvanized Steel Reinforcement Bar	2.10
03 21 13 00-0062	LF	#3, Grade 50, Footings, Galvanized Steel Reinforcement Bar	0.60
03 21 13 00-0063	LF	#4, Grade 50, Footings, Galvanized Steel Reinforcement Bar	1.03
03 21 13 00-0064	LF	#5, Grade 50, Footings, Galvanized Steel Reinforcement Bar	1.55
03 21 13 00-0065	LF	#6, Grade 50, Footings, Galvanized Steel Reinforcement Bar	2.14
03 21 13 00-0066	LF	#3, Grade 60, Footings, Galvanized Steel Reinforcement Bar	0.61
03 21 13 00-0067	LF	#4, Grade 60, Footings, Galvanized Steel Reinforcement Bar	1.06
03 21 13 00-0068	LF	#5, Grade 60, Footings, Galvanized Steel Reinforcement Bar	1.59
03 21 13 00-0069	LF	#6, Grade 60, Footings, Galvanized Steel Reinforcement Bar	2.20
03 21 13 00-0070	LF	#7, Grade 60, Footings, Galvanized Steel Reinforcement Bar	2.89
03 21 13 00-0071	LF	#8, Grade 60, Footings, Galvanized Steel Reinforcement Bar	3.64
03 21 13 00-0072	LF	#9, Grade 60, Footings, Galvanized Steel Reinforcement Bar	4.49

03	Concrete
03 20	Concrete Reinforcing
03 21	Reinforcement Bars



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
03 21	13 00-0073	LF	#10, Grade 60, Footings, Galvanized Steel Reinforcement Bar	5.53	
03 21	13 00-0074	LF	#11, Grade 60, Footings, Galvanized Steel Reinforcement Bar	6.63	
03 21	13 00-0075	LF	#14, Grade 60, Footings, Galvanized Steel Reinforcement Bar	9.27	
03 21	13 00-0076	LF	#18, Grade 60, Footings, Galvanized Steel Reinforcement Bar	15.98	
03 21	13 00-0077	LF	#6, Grade 75, Footings, Galvanized Steel Reinforcement Bar	2.26	
03 21	13 00-0078	LF	#7, Grade 75, Footings, Galvanized Steel Reinforcement Bar	2.97	
03 21	13 00-0079	LF	#8, Grade 75, Footings, Galvanized Steel Reinforcement Bar	3.75	
03 21	13 00-0080	LF	#9, Grade 75, Footings, Galvanized Steel Reinforcement Bar	4.63	
03 21	13 00-0081	LF	#10, Grade 75, Footings, Galvanized Steel Reinforcement Bar	5.70	
03 21	13 00-0082	LF	#11, Grade 75, Footings, Galvanized Steel Reinforcement Bar	6.85	
03 21	13 00-0083	LF	#14, Grade 75, Footings, Galvanized Steel Reinforcement Bar	9.58	
03 21	13 00-0084	LF	#18, Grade 75, Footings, Galvanized Steel Reinforcement Bar	16.52	

03 21 13 00-0085 Slab On Grade, Galvanized Steel Reinforcement Bar (03 21 13)
Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21	13 00-0086	LF	#3, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	0.58	
03 21	13 00-0087	LF	#4, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	0.98	
03 21	13 00-0088	LF	#5, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.48	
03 21	13 00-0089	LF	#6, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	2.05	
03 21	13 00-0090	LF	#3, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	0.59	
03 21	13 00-0091	LF	#4, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.00	
03 21	13 00-0092	LF	#5, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.51	
03 21	13 00-0093	LF	#6, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	2.09	
03 21	13 00-0094	LF	#3, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	0.60	
03 21	13 00-0095	LF	#4, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	1.03	
03 21	13 00-0096	LF	#5, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	1.55	
03 21	13 00-0097	LF	#6, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	2.15	
03 21	13 00-0098	LF	#7, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	2.83	
03 21	13 00-0099	LF	#8, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	3.55	
03 21	13 00-0100	LF	#9, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	4.41	
03 21	13 00-0101	LF	#10, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	5.43	
03 21	13 00-0102	LF	#11, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	6.52	
03 21	13 00-0103	LF	#14, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	9.11	
03 21	13 00-0104	LF	#18, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	15.73	
03 21	13 00-0105	LF	#6, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	2.21	
03 21	13 00-0106	LF	#7, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	2.91	
03 21	13 00-0107	LF	#8, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	3.66	
03 21	13 00-0108	LF	#9, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	4.55	
03 21	13 00-0109	LF	#10, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	5.60	
03 21	13 00-0110	LF	#11, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	6.74	
03 21	13 00-0111	LF	#14, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	9.42	
03 21	13 00-0112	LF	#18, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	16.27	

03 21 13 00-0113 Elevated Slabs, Galvanized Steel Reinforcement Bar (03 21 13)
Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21	13 00-0114	LF	#3, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.54	
03 21	13 00-0115	LF	#4, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.92	
03 21	13 00-0116	LF	#5, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.40	
03 21	13 00-0117	LF	#6, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.94	
03 21	13 00-0118	LF	#3, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.55	
03 21	13 00-0119	LF	#4, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.94	
03 21	13 00-0120	LF	#5, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.43	
03 21	13 00-0121	LF	#6, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.98	
03 21	13 00-0122	LF	#3, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.56	
03 21	13 00-0123	LF	#4, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.97	
03 21	13 00-0124	LF	#5, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.47	
03 21	13 00-0125	LF	#6, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.04	
03 21	13 00-0126	LF	#7, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.70	
03 21	13 00-0127	LF	#8, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.39	
03 21	13 00-0128	LF	#9, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.22	
03 21	13 00-0129	LF	#10, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	5.23	
03 21	13 00-0130	LF	#11, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	6.28	
03 21	13 00-0131	LF	#14, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	8.82	
03 21	13 00-0132	LF	#18, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	15.27	
03 21	13 00-0133	LF	#6, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.10	
03 21	13 00-0134	LF	#7, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.78	
03 21	13 00-0135	LF	#8, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.50	
03 21	13 00-0136	LF	#9, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.36	
03 21	13 00-0137	LF	#10, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	5.40	
03 21	13 00-0138	LF	#11, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	6.50	
03 21	13 00-0139	LF	#14, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	9.13	
03 21	13 00-0140	LF	#18, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	15.81	

03 21 13 00-0141 Walls, Galvanized Steel Reinforcement Bar (03 21 13)
Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21	13 00-0142	LF	#3, Grade 40, Walls, Galvanized Steel Reinforcement Bar	0.53	
03 21	13 00-0143	LF	#4, Grade 40, Walls, Galvanized Steel Reinforcement Bar	0.89	
03 21	13 00-0144	LF	#5, Grade 40, Walls, Galvanized Steel Reinforcement Bar	1.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0145 LF #6, Grade 40, Walls, Galvanized Steel Reinforcement Bar	1.89	
03 21 13 00-0146 LF #3, Grade 50, Walls, Galvanized Steel Reinforcement Bar	0.54	
03 21 13 00-0147 LF #4, Grade 50, Walls, Galvanized Steel Reinforcement Bar	0.91	
03 21 13 00-0148 LF #5, Grade 50, Walls, Galvanized Steel Reinforcement Bar	1.39	
03 21 13 00-0149 LF #6, Grade 50, Walls, Galvanized Steel Reinforcement Bar	1.93	
03 21 13 00-0150 LF #3, Grade 60, Walls, Galvanized Steel Reinforcement Bar	0.55	
03 21 13 00-0151 LF #4, Grade 60, Walls, Galvanized Steel Reinforcement Bar	0.94	
03 21 13 00-0152 LF #5, Grade 60, Walls, Galvanized Steel Reinforcement Bar	1.43	
03 21 13 00-0153 LF #6, Grade 60, Walls, Galvanized Steel Reinforcement Bar	1.99	
03 21 13 00-0154 LF #7, Grade 60, Walls, Galvanized Steel Reinforcement Bar	2.63	
03 21 13 00-0155 LF #8, Grade 60, Walls, Galvanized Steel Reinforcement Bar	3.32	
03 21 13 00-0156 LF #9, Grade 60, Walls, Galvanized Steel Reinforcement Bar	4.14	
03 21 13 00-0157 LF #10, Grade 60, Walls, Galvanized Steel Reinforcement Bar	5.13	
03 21 13 00-0158 LF #11, Grade 60, Walls, Galvanized Steel Reinforcement Bar	6.17	
03 21 13 00-0159 LF #14, Grade 60, Walls, Galvanized Steel Reinforcement Bar	8.67	
03 21 13 00-0160 LF #18, Grade 60, Walls, Galvanized Steel Reinforcement Bar	15.03	
03 21 13 00-0161 LF #6, Grade 75, Walls, Galvanized Steel Reinforcement Bar	2.05	
03 21 13 00-0162 LF #7, Grade 75, Walls, Galvanized Steel Reinforcement Bar	2.71	
03 21 13 00-0163 LF #8, Grade 75, Walls, Galvanized Steel Reinforcement Bar	3.43	
03 21 13 00-0164 LF #9, Grade 75, Walls, Galvanized Steel Reinforcement Bar	4.28	
03 21 13 00-0165 LF #10, Grade 75, Walls, Galvanized Steel Reinforcement Bar	5.30	
03 21 13 00-0166 LF #11, Grade 75, Walls, Galvanized Steel Reinforcement Bar	6.39	
03 21 13 00-0167 LF #14, Grade 75, Walls, Galvanized Steel Reinforcement Bar	8.98	
03 21 13 00-0168 LF #18, Grade 75, Walls, Galvanized Steel Reinforcement Bar	15.57	

03 21 16 Epoxy-Coated Reinforcement Steel Bars (03 21)**03 21 16 00-0001 Beams And Girders, Epoxy Coated Steel Reinforcement Bar** (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0002 LF #3, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.63	
03 21 16 00-0003 LF #4, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.06	
03 21 16 00-0004 LF #5, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.61	
03 21 16 00-0005 LF #6, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.22	
03 21 16 00-0006 LF #3, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.64	
03 21 16 00-0007 LF #4, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.08	
03 21 16 00-0008 LF #5, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.63	
03 21 16 00-0009 LF #6, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.26	
03 21 16 00-0010 LF #3, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.66	
03 21 16 00-0011 LF #4, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.11	
03 21 16 00-0012 LF #5, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.68	
03 21 16 00-0013 LF #6, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.32	
03 21 16 00-0014 LF #7, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.03	
03 21 16 00-0015 LF #8, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.78	
03 21 16 00-0016 LF #9, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	4.66	
03 21 16 00-0017 LF #10, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	5.71	
03 21 16 00-0018 LF #11, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	6.82	
03 21 16 00-0019 LF #14, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	9.48	
03 21 16 00-0020 LF #18, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	16.27	
03 21 16 00-0021 LF #6, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.38	
03 21 16 00-0022 LF #7, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.11	
03 21 16 00-0023 LF #8, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.89	
03 21 16 00-0024 LF #9, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	4.80	
03 21 16 00-0025 LF #10, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	5.88	
03 21 16 00-0026 LF #11, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	7.03	
03 21 16 00-0027 LF #14, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	9.79	
03 21 16 00-0028 LF #18, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	16.82	

03 21 16 00-0029 Columns, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0030 LF #3, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	0.65	
03 21 16 00-0031 LF #4, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.12	
03 21 16 00-0032 LF #5, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.68	
03 21 16 00-0033 LF #6, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	2.32	
03 21 16 00-0034 LF #3, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	0.66	
03 21 16 00-0035 LF #4, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.14	
03 21 16 00-0036 LF #5, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.70	
03 21 16 00-0037 LF #6, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	2.36	
03 21 16 00-0038 LF #3, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	0.68	
03 21 16 00-0039 LF #4, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	1.17	
03 21 16 00-0040 LF #5, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	1.75	
03 21 16 00-0041 LF #6, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	2.42	
03 21 16 00-0042 LF #7, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	3.16	
03 21 16 00-0043 LF #8, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	3.93	
03 21 16 00-0044 LF #9, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	4.83	
03 21 16 00-0045 LF #10, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	5.91	
03 21 16 00-0046 LF #11, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	7.05	
03 21 16 00-0047 LF #14, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	9.78	
03 21 16 00-0048 LF #18, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	16.74	
03 21 16 00-0049 LF #6, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	2.48	
03 21 16 00-0050 LF #7, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	3.24	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 21 16 00-0051	LF	#8, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	4.04
03 21 16 00-0052	LF	#9, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	4.97
03 21 16 00-0053	LF	#10, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	6.08
03 21 16 00-0054	LF	#11, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	7.26
03 21 16 00-0055	LF	#14, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	10.09
03 21 16 00-0056	LF	#18, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	17.29

03 21 16 00-0057 Footings, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0058	LF	#3, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	0.57
03 21 16 00-0059	LF	#4, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	0.99
03 21 16 00-0060	LF	#5, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	1.49
03 21 16 00-0061	LF	#6, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	2.06
03 21 16 00-0062	LF	#3, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	0.58
03 21 16 00-0063	LF	#4, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	1.01
03 21 16 00-0064	LF	#5, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	1.51
03 21 16 00-0065	LF	#6, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	2.10
03 21 16 00-0066	LF	#3, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	0.60
03 21 16 00-0067	LF	#4, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	1.04
03 21 16 00-0068	LF	#5, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	1.56
03 21 16 00-0069	LF	#6, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	2.16
03 21 16 00-0070	LF	#7, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	2.83
03 21 16 00-0071	LF	#8, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	3.56
03 21 16 00-0072	LF	#9, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	4.39
03 21 16 00-0073	LF	#10, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	5.40
03 21 16 00-0074	LF	#11, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	6.48
03 21 16 00-0075	LF	#14, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	9.04
03 21 16 00-0076	LF	#18, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	15.57
03 21 16 00-0077	LF	#6, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	2.22
03 21 16 00-0078	LF	#7, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	2.91
03 21 16 00-0079	LF	#8, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	3.67
03 21 16 00-0080	LF	#9, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	4.53
03 21 16 00-0081	LF	#10, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	5.57
03 21 16 00-0082	LF	#11, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	6.69
03 21 16 00-0083	LF	#14, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	9.35
03 21 16 00-0084	LF	#18, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	16.12

03 21 16 00-0085 Slab On Grade, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0086	LF	#3, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.56
03 21 16 00-0087	LF	#4, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.96
03 21 16 00-0088	LF	#5, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.45
03 21 16 00-0089	LF	#6, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.01
03 21 16 00-0090	LF	#3, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.57
03 21 16 00-0091	LF	#4, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.98
03 21 16 00-0092	LF	#5, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.47
03 21 16 00-0093	LF	#6, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.05
03 21 16 00-0094	LF	#3, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.59
03 21 16 00-0095	LF	#4, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.01
03 21 16 00-0096	LF	#5, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.52
03 21 16 00-0097	LF	#6, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.11
03 21 16 00-0098	LF	#7, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.77
03 21 16 00-0099	LF	#8, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.47
03 21 16 00-0100	LF	#9, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	4.31
03 21 16 00-0101	LF	#10, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	5.30
03 21 16 00-0102	LF	#11, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	6.37
03 21 16 00-0103	LF	#14, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	8.88
03 21 16 00-0104	LF	#18, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	15.32
03 21 16 00-0105	LF	#6, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.17
03 21 16 00-0106	LF	#7, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.85
03 21 16 00-0107	LF	#8, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.58
03 21 16 00-0108	LF	#9, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	4.45
03 21 16 00-0109	LF	#10, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	5.47
03 21 16 00-0110	LF	#11, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	6.58
03 21 16 00-0111	LF	#14, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	9.19
03 21 16 00-0112	LF	#18, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	15.87

03 21 16 00-0113 Elevated Slabs, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0114	LF	#3, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.52
03 21 16 00-0115	LF	#4, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.90
03 21 16 00-0116	LF	#5, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.37
03 21 16 00-0117	LF	#6, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.90
03 21 16 00-0118	LF	#3, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.53
03 21 16 00-0119	LF	#4, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.92
03 21 16 00-0120	LF	#5, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.39
03 21 16 00-0121	LF	#6, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.94
03 21 16 00-0122	LF	#3, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.55



	Concrete	03	
	Concrete Reinforcing	03 20	CS
	Reinforcement Bars	03 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0123 LF #4, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.95	
03 21 16 00-0124 LF #5, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.44	
03 21 16 00-0125 LF #6, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.00	
03 21 16 00-0126 LF #7, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.64	
03 21 16 00-0127 LF #8, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	3.31	
03 21 16 00-0128 LF #9, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	4.12	
03 21 16 00-0129 LF #10, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	5.10	
03 21 16 00-0130 LF #11, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	6.13	
03 21 16 00-0131 LF #14, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	8.59	
03 21 16 00-0132 LF #18, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	14.86	
03 21 16 00-0133 LF #6, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.06	
03 21 16 00-0134 LF #7, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.72	
03 21 16 00-0135 LF #8, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	3.42	
03 21 16 00-0136 LF #9, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	4.26	
03 21 16 00-0137 LF #10, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	5.27	
03 21 16 00-0138 LF #11, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	6.34	
03 21 16 00-0139 LF #14, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	8.90	
03 21 16 00-0140 LF #18, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	15.41	

03 21 16 00-0141 Walls, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0142 LF #3, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.51	
03 21 16 00-0143 LF #4, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.87	
03 21 16 00-0144 LF #5, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.33	
03 21 16 00-0145 LF #6, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.85	
03 21 16 00-0146 LF #3, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.52	
03 21 16 00-0147 LF #4, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.89	
03 21 16 00-0148 LF #5, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.35	
03 21 16 00-0149 LF #6, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.89	
03 21 16 00-0150 LF #3, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.54	
03 21 16 00-0151 LF #4, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.92	
03 21 16 00-0152 LF #5, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.40	
03 21 16 00-0153 LF #6, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.95	
03 21 16 00-0154 LF #7, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.57	
03 21 16 00-0155 LF #8, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	3.24	
03 21 16 00-0156 LF #9, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	4.04	
03 21 16 00-0157 LF #10, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	5.00	
03 21 16 00-0158 LF #11, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	6.02	
03 21 16 00-0159 LF #14, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	8.44	
03 21 16 00-0160 LF #18, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	14.62	
03 21 16 00-0161 LF #6, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.01	
03 21 16 00-0162 LF #7, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.65	
03 21 16 00-0163 LF #8, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	3.35	
03 21 16 00-0164 LF #9, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	4.18	
03 21 16 00-0165 LF #10, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	5.17	
03 21 16 00-0166 LF #11, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	6.23	
03 21 16 00-0167 LF #14, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	8.75	
03 21 16 00-0168 LF #18, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	15.17	

03 21 16 00-0169 Epoxy Coated Deformed Straight Dowels (03 21 16)

Note: Excludes drilling. See CSI section 02 41 19 13-0221 for drilling in concrete.

03 21 16 00-0170 EA 3/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	2.69	
For Up To 12" Length, Deduct	-0.34	
For >12" To <24" Length, Deduct	-0.17	
03 21 16 00-0171 EA 1/2" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	3.21	
For Up To 12" Length, Deduct	-0.51	
For >12" To <24" Length, Deduct	-0.26	
03 21 16 00-0172 EA 5/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	3.94	
For Up To 12" Length, Deduct	-0.76	
For >12" To <24" Length, Deduct	-0.38	
03 21 16 00-0173 EA 3/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	4.68	
For Up To 12" Length, Deduct	-1.02	
For >12" To <24" Length, Deduct	-0.51	
03 21 16 00-0174 EA 7/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	5.80	
For Up To 12" Length, Deduct	-1.38	
For >12" To <24" Length, Deduct	-0.69	
03 21 16 00-0175 EA 1" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	6.83	
For Up To 12" Length, Deduct	-1.70	
For >12" To <24" Length, Deduct	-0.85	
03 21 16 00-0176 EA 1-1/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	8.12	
For Up To 12" Length, Deduct	-2.06	
For >12" To <24" Length, Deduct	-1.03	
03 21 16 00-0177 EA 1-1/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	9.75	
For Up To 12" Length, Deduct	-2.50	
For >12" To <24" Length, Deduct	-1.25	

03 22 Fabric And Grid Reinforcing (03 20)

03 22 11 Plain Steel Welded Wire Fabric Reinforcing (03 22)

Note: Includes cutting, tie wire, tying, overlap, bar chairs and all non-mechanical splicing.

03	Concrete
03 20	Concrete Reinforcing
03 22	Fabric And Grid Reinforcing



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 22 11 00-0001	Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs <small>(03 22 11)</small>	
	Note: Includes bar chairs. Under 5 tons. ASTM A-185	
03 22 11 00-0002	SF 6" x 6" x #10, 21 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.65
	For >5 Ton, Deduct	-0.10
03 22 11 00-0003	SF 6" x 6" x #8, 30 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	0.75
	For >5 Ton, Deduct	-0.11
03 22 11 00-0004	SF 6" x 6" x #6, 42 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	0.84
	For >5 Ton, Deduct	-0.13
03 22 11 00-0005	SF 6" x 6" x #4, 58 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	0.99
	For >5 Ton, Deduct	-0.14
03 22 11 00-0006	SF 4" x 4" x #10, 31 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.78
	For >5 Ton, Deduct	-0.12
03 22 11 00-0007	SF 4" x 4" x #8, 44 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	0.86
	For >5 Ton, Deduct	-0.13
03 22 11 00-0008	SF 4" x 4" x #6, 62 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	1.07
	For >5 Ton, Deduct	-0.15
03 22 11 00-0009	SF 4" x 4" x #4, 85 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.24
	For >5 Ton, Deduct	-0.17
03 22 11 00-0010	SF 2" x 2" x #12, 37 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W0.9 x W0.9)	1.15
	For >5 Ton, Deduct	-0.15

03 22 13 Galvanized Welded Wire Fabric Reinforcing (03 22)

03 22 13 00-0001	Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs <small>(03 22 13)</small>	
	Note: Includes bar chairs. Under 5 tons.	
03 22 13 00-0002	SF 6" x 6" x #10, 21 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.71
	For >5 Ton, Deduct	-0.11
03 22 13 00-0003	SF 6" x 6" x #8, 29 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	0.82
	For >5 Ton, Deduct	-0.12
03 22 13 00-0004	SF 6" x 6" x #6, 42 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	0.94
	For >5 Ton, Deduct	-0.14
03 22 13 00-0005	SF 6" x 6" x #4, 58 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.12
	For >5 Ton, Deduct	-0.16
03 22 13 00-0006	SF 4" x 4" x #10, 31 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.87
	For >5 Ton, Deduct	-0.13
03 22 13 00-0007	SF 4" x 4" x #8, 43 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	0.97
	For >5 Ton, Deduct	-0.14
03 22 13 00-0008	SF 4" x 4" x #6, 62 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	1.25
	For >5 Ton, Deduct	-0.17
03 22 13 00-0009	SF 4" x 4" x #4, 85 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.47
	For >5 Ton, Deduct	-0.20

03 22 13 00-0010 Galvanized Welded Wire Reinforcement Wrap Placed In Beams And Columns (03 22 13)

	Note: Includes bar chairs. Under 5 tons.	
03 22 13 00-0011	SF 2" x 2" x #14, 21 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Wrap Placed In Beams And Columns (W0.5 x W0.5)	2.59
	For >5 Ton, Deduct	-0.41

03 22 16 Epoxy-Coated Welded Wire Fabric Reinforcing (03 22)

03 22 16 00-0001	Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs <small>(03 22 16)</small>	
	Note: Includes bar chairs. Under 5 tons.	
03 22 16 00-0002	SF 6" x 6" x #10, 21 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.70
	For >5 Ton, Deduct	-0.10
03 22 16 00-0003	SF 6" x 6" x #8, 29 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	0.81
	For >5 Ton, Deduct	-0.12
03 22 16 00-0004	SF 6" x 6" x #6, 42 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	0.92
	For >5 Ton, Deduct	-0.13
03 22 16 00-0005	SF 6" x 6" x #4, 58 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.11
	For >5 Ton, Deduct	-0.16
03 22 16 00-0006	SF 4" x 4" x #10, 31 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.86
	For >5 Ton, Deduct	-0.13
03 22 16 00-0007	SF 4" x 4" x #8, 43 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	0.96
	For >5 Ton, Deduct	-0.14
03 22 16 00-0008	SF 4" x 4" x #6, 62 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	1.23
	For >5 Ton, Deduct	-0.17
03 22 16 00-0009	SF 4" x 4" x #4, 85 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.44
	For >5 Ton, Deduct	-0.19

03 22 23 Stainless Steel Welded Wire Fabric Reinforcing (03 22)

Note: Includes cutting, tie wire, tying, overlap, bar chairs and all non-mechanical splicing.

03 22 23 00-0001	Stainless Steel Welded Wire Fabric Reinforcing Placed In Floors Or Slabs <small>(03 22 23)</small>	
03 22 23 00-0002	SF 6" x 6" x #10, Stainless Steel Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.13
03 22 23 00-0003	SF 4" x 4" x #10, Stainless Steel Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.44



Concrete	03	03
Concrete Reinforcing	03 20	
Fabric And Grid Reinforcing	03 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 30 Cast-In-Place Concrete (03)

See CSI section 01 74 19 00-0036 for hauling over 15 miles.

03 30 53 Miscellaneous Cast-in-Place Concrete (03 30)

03 30 53 00-0001 Place Concrete Thrust Blocks And Backfill (03 30 53)

03 30 53 00-0002	CY	Direct Chute, Place 3,000 PSI Concrete Thrust Blocks	220.34
		<i>For 2,000 PSI Concrete, Deduct</i>	-8.02
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.01
		<i>For 3,500 PSI Concrete, Add</i>	7.42
		<i>For 3,750 PSI Concrete, Add</i>	10.09
		<i>For 4,000 PSI Concrete, Add</i>	12.77
		<i>For 4,500 PSI Concrete, Add</i>	14.84
		<i>For 5,000 PSI Concrete, Add</i>	16.92
		<i>For 6,000 PSI Concrete, Add</i>	40.08
		<i>For White Cement Concrete, Add</i>	17.81
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	19.30
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	14.84
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	44.53
		<i>For Up To 20, Add</i>	28.76
		<i>For >20 To 50, Add</i>	10.79
		<i>For >100 To 200, Deduct</i>	-4.41
		<i>For >200 To 400, Deduct</i>	-8.81
		<i>For >400, Deduct</i>	-13.22

03 30 53 00-0003 Place Concrete Slurry (03 30 53)

Note: 2 bag cement per CY.

03 30 53 00-0004	CY	Direct Chute, Place 1,200 PSI Concrete Slurry	201.79
03 30 53 00-0005	CY	Concrete Pump, Place 1,200 PSI Concrete Slurry	189.78
		Note: Excludes pumping equipment.	

03 30 53 00-0006 Hand Mix And Place Concrete (03 30 53)

03 30 53 00-0007	CF	Hand Mix And Place Concrete	30.22
		Note: For use where conventional equipment access is limited or when directed by the owner.	
		<i>For 2,000 PSI Concrete, Deduct</i>	-0.34
		<i>For 2,500 PSI Concrete, Deduct</i>	-0.17
		<i>For 3,500 PSI Concrete, Add</i>	0.32
		<i>For 3,750 PSI Concrete, Add</i>	0.43
		<i>For 4,000 PSI Concrete, Add</i>	0.55
		<i>For 4,500 PSI Concrete, Add</i>	0.63
		<i>For 5,000 PSI Concrete, Add</i>	0.72
		<i>For 6,000 PSI Concrete, Add</i>	1.71
		<i>For White Cement Concrete, Add</i>	0.76
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	0.82
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	0.63
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	1.90

03 31 Structural Concrete (03 30)

03 31 13 Heavyweight Structural Concrete (03 31)

Note: Includes delivery, fuel charge and placement of material. See CSI section 02 41 00 00-0000 for demolition, 03 05 13 00-0001 for admixtures, 03 11 00 00-0000 for forming, 03 20 00 00-0000 for reinforcing, 03 35 00 00-0000 for finishing, 03 39 00 00-0000 for curing.

03 31 13 00-0001 Concrete Slab Assemblies (03 31 13)

03 31 13 00-0002 3,000 PSI Slab On Grade Concrete Slabs Assemblies (03 31 13 00-0001)

Note: Includes forms, welded wire reinforcement (where necessary), #3 to #6 reinforcing rods at 12" on center each way with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float, and finish for pedestrian slabs. Excludes excavation, base, earthwork, and expansion joints along existing slab. See CSI section 03 05 13 00-0001 for color additive alternative, 03 37 16 00-0001 for concrete pumping equipment.

03 31 13 00-0003	SF	4" 3,000 PSI Slab On Grade Concrete Slabs Assembly	6.69
		<i>For 2,000 PSI Concrete, Deduct</i>	-0.19
		<i>For 2,500 PSI Concrete, Deduct</i>	-0.10
		<i>For 3,500 PSI Concrete, Add</i>	0.07
		<i>For 4,000 PSI Concrete, Add</i>	0.23
		<i>For Reinforcing Rods Are At 18" On Center, Deduct</i>	-0.13
		<i>For Reinforcing Rods Are At 24" On Center, Deduct</i>	-0.40
		<i>For Up To 500, Add</i>	2.57
		<i>For >500 To 1,000, Add</i>	1.78
		<i>For >1,000 To 2,000, Add</i>	0.98
		<i>For >2,000 To 5,000, Add</i>	0.49
		<i>For >10,000 To 20,000, Deduct</i>	-0.18
		<i>For >20,000 To 35,000, Deduct</i>	-0.35
		<i>For >35,000 To 50,000, Deduct</i>	-0.51
		<i>For >50,000 To 70,000, Deduct</i>	-0.68
		<i>For >70,000, Deduct</i>	-0.85

03	Concrete
03 30	Cast-In-Place Concrete
03 31	Structural Concrete



MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

03 31 13 00-0004	SF 5" 3,000 PSI Slab On Grade Concrete Slabs Assembly	7.32	
	For 2,000 PSI Concrete, Deduct	-0.22	
	For 2,500 PSI Concrete, Deduct	-0.11	
	For 3,500 PSI Concrete, Add	0.08	
	For 4,000 PSI Concrete, Add	0.26	
	For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
	For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
	For Up To 500, Add	2.76	
	For >500 To 1,000, Add	1.91	
	For >1,000 To 2,000, Add	1.06	
	For >2,000 To 5,000, Add	0.53	
	For >10,000 To 20,000, Deduct	-0.20	
	For >20,000 To 35,000, Deduct	-0.39	
	For >35,000 To 50,000, Deduct	-0.57	
	For >50,000 To 70,000, Deduct	-0.75	
	For >70,000, Deduct	-0.94	
03 31 13 00-0005	SF 6" 3,000 PSI Slab On Grade Concrete Slabs Assembly	8.23	
	For 2,000 PSI Concrete, Deduct	-0.26	
	For 2,500 PSI Concrete, Deduct	-0.13	
	For 3,500 PSI Concrete, Add	0.09	
	For 4,000 PSI Concrete, Add	0.30	
	For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
	For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
	For Up To 500, Add	3.03	
	For >500 To 1,000, Add	2.10	
	For >1,000 To 2,000, Add	1.17	
	For >2,000 To 5,000, Add	0.58	
	For >10,000 To 20,000, Deduct	-0.24	
	For >20,000 To 35,000, Deduct	-0.44	
	For >35,000 To 50,000, Deduct	-0.65	
	For >50,000 To 70,000, Deduct	-0.86	
	For >70,000, Deduct	-1.06	
03 31 13 00-0006	SF 7" 3,000 PSI Slab On Grade Concrete Slabs Assembly	9.09	
	For 2,000 PSI Concrete, Deduct	-0.30	
	For 2,500 PSI Concrete, Deduct	-0.15	
	For 3,500 PSI Concrete, Add	0.10	
	For 4,000 PSI Concrete, Add	0.35	
	For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
	For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
	For Up To 500, Add	3.25	
	For >500 To 1,000, Add	2.26	
	For >1,000 To 2,000, Add	1.27	
	For >2,000 To 5,000, Add	0.63	
	For >10,000 To 20,000, Deduct	-0.28	
	For >20,000 To 35,000, Deduct	-0.50	
	For >35,000 To 50,000, Deduct	-0.73	
	For >50,000 To 70,000, Deduct	-0.96	
	For >70,000, Deduct	-1.18	
03 31 13 00-0007	SF 8" 3,000 PSI Slab On Grade Concrete Slabs Assembly	9.82	
	For 2,000 PSI Concrete, Deduct	-0.33	
	For 2,500 PSI Concrete, Deduct	-0.16	
	For 3,500 PSI Concrete, Add	0.12	
	For 4,000 PSI Concrete, Add	0.38	
	For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
	For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
	For Up To 500, Add	3.46	
	For >500 To 1,000, Add	2.41	
	For >1,000 To 2,000, Add	1.36	
	For >2,000 To 5,000, Add	0.68	
	For >10,000 To 20,000, Deduct	-0.30	
	For >20,000 To 35,000, Deduct	-0.55	
	For >35,000 To 50,000, Deduct	-0.80	
	For >50,000 To 70,000, Deduct	-1.04	
	For >70,000, Deduct	-1.29	
03 31 13 00-0008	SF 10" 3,000 PSI Slab On Grade Concrete Slabs Assembly	11.73	
	For 2,000 PSI Concrete, Deduct	-0.42	
	For 2,500 PSI Concrete, Deduct	-0.21	
	For 3,500 PSI Concrete, Add	0.15	
	For 4,000 PSI Concrete, Add	0.49	
	For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
	For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
	For Up To 500, Add	3.96	
	For >500 To 1,000, Add	2.77	
	For >1,000 To 2,000, Add	1.58	
	For >2,000 To 5,000, Add	0.79	
	For >10,000 To 20,000, Deduct	-0.39	
	For >20,000 To 35,000, Deduct	-0.68	
	For >35,000 To 50,000, Deduct	-0.97	
	For >50,000 To 70,000, Deduct	-1.26	
	For >70,000, Deduct	-1.56	



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0009 SF 12" 3,000 PSI Slab On Grade Concrete Slabs Assembly	13.19	
For 2,000 PSI Concrete, Deduct	-0.48	
For 2,500 PSI Concrete, Deduct	-0.24	
For 3,500 PSI Concrete, Add	0.17	
For 4,000 PSI Concrete, Add	0.56	
For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
For Up To 500, Add	4.37	
For >500 To 1,000, Add	3.06	
For >1,000 To 2,000, Add	1.75	
For >2,000 To 5,000, Add	0.88	
For >10,000 To 20,000, Deduct	-0.44	
For >20,000 To 35,000, Deduct	-0.77	
For >35,000 To 50,000, Deduct	-1.10	
For >50,000 To 70,000, Deduct	-1.43	
For >70,000, Deduct	-1.76	
 03 31 13 00-0010 Concrete Delivery And Placement <small>(03 31 13)</small>		
Note: Includes cleaning out equipment and standard concrete placement tests. See CSI section 01 45 23 00-0000 for additional tests, 03 05 13 00-0001 for admixtures.		
 03 31 13 00-0011 Place Concrete By Method Indicated <small>(03 31 13 00-0010)</small>		
Note: Tasks for concrete placement "By Concrete Pump" exclude the pumping equipment. See CSI section 03 37 16 00-0001 for concrete pumping equipment.		
 03 31 13 00-0012 Place Concrete Pile Caps <small>(03 31 13 00-0011)</small>		
03 31 13 00-0013 CY Crane And Bucket, Place 3,000 PSI Concrete Pile Caps	248.04	
For 2,000 PSI Concrete, Deduct	-8.02	
For 2,500 PSI Concrete, Deduct	-4.01	
For 3,500 PSI Concrete, Add	7.42	
For 3,750 PSI Concrete, Add	10.09	
For 4,000 PSI Concrete, Add	12.77	
For 4,500 PSI Concrete, Add	14.84	
For 5,000 PSI Concrete, Add	16.92	
For 6,000 PSI Concrete, Add	40.08	
For White Cement Concrete, Add	17.81	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.30	
For High Early Strength, Type 3 ASTM C150, Add	14.84	
For Lightweight Aggregate, ASTM C330, Add	44.53	
For Up To 20, Add	39.84	
For >20 To 50, Add	14.94	
For >100 To 200, Deduct	-4.96	
For >200 To 400, Deduct	-9.92	
For >400, Deduct	-14.88	
03 31 13 00-0014 CY Direct Chute, Place 3,000 PSI Concrete Pile Caps	193.38	
For 2,000 PSI Concrete, Deduct	-8.02	
For 2,500 PSI Concrete, Deduct	-4.01	
For 3,500 PSI Concrete, Add	7.42	
For 3,750 PSI Concrete, Add	10.09	
For 4,000 PSI Concrete, Add	12.77	
For 4,500 PSI Concrete, Add	14.84	
For 5,000 PSI Concrete, Add	16.92	
For 6,000 PSI Concrete, Add	40.08	
For White Cement Concrete, Add	17.81	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.30	
For High Early Strength, Type 3 ASTM C150, Add	14.84	
For Lightweight Aggregate, ASTM C330, Add	44.53	
For Up To 20, Add	17.98	
For >20 To 50, Add	6.74	
For >100 To 200, Deduct	-3.87	
For >200 To 400, Deduct	-7.74	
For >400, Deduct	-11.60	
03 31 13 00-0015 CY Concrete Pump, Place 3,000 PSI Concrete Pile Caps	203.60	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-8.68	
For 2,500 PSI Concrete, Deduct	-4.34	
For 3,500 PSI Concrete, Add	8.04	
For 3,750 PSI Concrete, Add	10.94	
For 4,000 PSI Concrete, Add	13.83	
For 4,500 PSI Concrete, Add	16.08	
For 5,000 PSI Concrete, Add	18.33	
For 6,000 PSI Concrete, Add	43.42	
For White Cement Concrete, Add	19.30	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.91	
For High Early Strength, Type 3 ASTM C150, Add	16.08	
For Lightweight Aggregate, ASTM C330, Add	48.24	
For Up To 20, Add	17.12	
For >20 To 50, Add	6.42	
For >100 To 200, Deduct	-4.07	
For >200 To 400, Deduct	-8.14	
For >400, Deduct	-12.22	
 03 31 13 00-0016 Place Concrete Continuous Footings <small>(03 31 13 00-0011)</small>		

03	Concrete
03 30	Cast-In-Place Concrete
03 31	Structural Concrete



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0017	CY Crane And Bucket, Place 3,000 PSI Concrete Continuous Footings.....	236.97
	For 2,000 PSI Concrete, Deduct	-8.02
	For 2,500 PSI Concrete, Deduct	-4.01
	For 3,500 PSI Concrete, Add	7.42
	For 3,750 PSI Concrete, Add	10.09
	For 4,000 PSI Concrete, Add	12.77
	For 4,500 PSI Concrete, Add	14.84
	For 5,000 PSI Concrete, Add	16.92
	For 6,000 PSI Concrete, Add	40.08
	For White Cement Concrete, Add	17.81
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.30
	For High Early Strength, Type 3 ASTM C150, Add	14.84
	For Lightweight Aggregate, ASTM C330, Add	44.53
	For Up To 20, Add	35.41
	For >20 To 50, Add	13.28
	For >100 To 200, Deduct	-4.74
	For >200 To 400, Deduct	-9.48
	For >400, Deduct	-14.22
03 31 13 00-0018	CY Direct Chute, Place 3,000 PSI Concrete Continuous Footings.....	188.39
	For 2,000 PSI Concrete, Deduct	-8.02
	For 2,500 PSI Concrete, Deduct	-4.01
	For 3,500 PSI Concrete, Add	7.42
	For 3,750 PSI Concrete, Add	10.09
	For 4,000 PSI Concrete, Add	12.77
	For 4,500 PSI Concrete, Add	14.84
	For 5,000 PSI Concrete, Add	16.92
	For 6,000 PSI Concrete, Add	40.08
	For White Cement Concrete, Add	17.81
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.30
	For High Early Strength, Type 3 ASTM C150, Add	14.84
	For Lightweight Aggregate, ASTM C330, Add	44.53
	For Up To 20, Add	15.98
	For >20 To 50, Add	5.99
	For >100 To 200, Deduct	-3.77
	For >200 To 400, Deduct	-7.54
	For >400, Deduct	-11.30
03 31 13 00-0019	CY Concrete Pump, Place 3,000 PSI Concrete Continuous Footings.....	198.85
	Note: Excludes pumping equipment.	
	For 2,000 PSI Concrete, Deduct	-8.68
	For 2,500 PSI Concrete, Deduct	-4.34
	For 3,500 PSI Concrete, Add	8.04
	For 3,750 PSI Concrete, Add	10.94
	For 4,000 PSI Concrete, Add	13.83
	For 4,500 PSI Concrete, Add	16.08
	For 5,000 PSI Concrete, Add	18.33
	For 6,000 PSI Concrete, Add	43.42
	For White Cement Concrete, Add	19.30
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.91
	For High Early Strength, Type 3 ASTM C150, Add	16.08
	For Lightweight Aggregate, ASTM C330, Add	48.24
	For Up To 20, Add	15.22
	For >20 To 50, Add	5.71
	For >100 To 200, Deduct	-3.98
	For >200 To 400, Deduct	-7.95
	For >400, Deduct	-11.93
03 31 13 00-0020	Place Concrete Spread Footings (03 31 13 00-0011)	
03 31 13 00-0021	CY Crane And Bucket, Place 3,000 PSI Concrete Spread Footings.....	297.83
	For 2,000 PSI Concrete, Deduct	-8.02
	For 2,500 PSI Concrete, Deduct	-4.01
	For 3,500 PSI Concrete, Add	7.42
	For 3,750 PSI Concrete, Add	10.09
	For 4,000 PSI Concrete, Add	12.77
	For 4,500 PSI Concrete, Add	14.84
	For 5,000 PSI Concrete, Add	16.92
	For 6,000 PSI Concrete, Add	40.08
	For White Cement Concrete, Add	17.81
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.30
	For High Early Strength, Type 3 ASTM C150, Add	14.84
	For Lightweight Aggregate, ASTM C330, Add	44.53
	For Up To 20, Add	59.76
	For >20 To 50, Add	22.41
	For >100 To 200, Deduct	-5.96
	For >200 To 400, Deduct	-11.91
	For >400, Deduct	-17.87



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0022 CY Direct Chute, Place 3,000 PSI Concrete Spread Footings	215.85	
For 2,000 PSI Concrete, Deduct	-8.02	
For 2,500 PSI Concrete, Deduct	-4.01	
For 3,500 PSI Concrete, Add	7.42	
For 3,750 PSI Concrete, Add	10.09	
For 4,000 PSI Concrete, Add	12.77	
For 4,500 PSI Concrete, Add	14.84	
For 5,000 PSI Concrete, Add	16.92	
For 6,000 PSI Concrete, Add	40.08	
For White Cement Concrete, Add	17.81	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.30	
For High Early Strength, Type 3 ASTM C150, Add	14.84	
For Lightweight Aggregate, ASTM C330, Add	44.53	
For Up To 20, Add	26.96	
For >20 To 50, Add	10.11	
For >100 To 200, Deduct	-4.32	
For >200 To 400, Deduct	-8.63	
For >400, Deduct	-12.95	
03 31 13 00-0023 CY Concrete Pump, Place 3,000 PSI Concrete Spread Footings	225.01	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-8.68	
For 2,500 PSI Concrete, Deduct	-4.34	
For 3,500 PSI Concrete, Add	8.04	
For 3,750 PSI Concrete, Add	10.94	
For 4,000 PSI Concrete, Add	13.83	
For 4,500 PSI Concrete, Add	16.08	
For 5,000 PSI Concrete, Add	18.33	
For 6,000 PSI Concrete, Add	43.42	
For White Cement Concrete, Add	19.30	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.91	
For High Early Strength, Type 3 ASTM C150, Add	16.08	
For Lightweight Aggregate, ASTM C330, Add	48.24	
For Up To 20, Add	25.68	
For >20 To 50, Add	9.63	
For >100 To 200, Deduct	-4.50	
For >200 To 400, Deduct	-9.00	
For >400, Deduct	-13.50	
03 31 13 00-0024 Place Concrete Mat Foundation (03 31 13 00-0011)		
03 31 13 00-0025 CY Crane And Bucket, Place 3,000 PSI Concrete Mat Foundation.....	175.00	
For 2,000 PSI Concrete, Deduct	-8.02	
For 2,500 PSI Concrete, Deduct	-4.01	
For 3,500 PSI Concrete, Add	7.42	
For 3,750 PSI Concrete, Add	10.09	
For 4,000 PSI Concrete, Add	12.77	
For 4,500 PSI Concrete, Add	14.84	
For 5,000 PSI Concrete, Add	16.92	
For 6,000 PSI Concrete, Add	40.08	
For White Cement Concrete, Add	17.81	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.30	
For High Early Strength, Type 3 ASTM C150, Add	14.84	
For Lightweight Aggregate, ASTM C330, Add	44.53	
For Up To 20, Add	10.62	
For >20 To 50, Add	3.98	
For >100 To 200, Deduct	-3.50	
For >200 To 400, Deduct	-7.00	
For >400, Deduct	-10.50	
03 31 13 00-0026 CY Direct Chute, Place 3,000 PSI Concrete Mat Foundation.....	160.42	
For 2,000 PSI Concrete, Deduct	-8.02	
For 2,500 PSI Concrete, Deduct	-4.01	
For 3,500 PSI Concrete, Add	7.42	
For 3,750 PSI Concrete, Add	10.09	
For 4,000 PSI Concrete, Add	12.77	
For 4,500 PSI Concrete, Add	14.84	
For 5,000 PSI Concrete, Add	16.92	
For 6,000 PSI Concrete, Add	40.08	
For White Cement Concrete, Add	17.81	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.30	
For High Early Strength, Type 3 ASTM C150, Add	14.84	
For Lightweight Aggregate, ASTM C330, Add	44.53	
For Up To 20, Add	4.79	
For >20 To 50, Add	1.80	
For >100 To 200, Deduct	-3.21	
For >200 To 400, Deduct	-6.42	
For >400, Deduct	-9.63	

03	Concrete
03 30	Cast-In-Place Concrete
03 31	Structural Concrete



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31	13 00-0027	CY	Concrete Pump, Place 3,000 PSI Concrete Mat Foundation.....	170.80	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-8.68	
			For 2,500 PSI Concrete, Deduct	-4.34	
			For 3,500 PSI Concrete, Add	8.04	
			For 3,750 PSI Concrete, Add	10.94	
			For 4,000 PSI Concrete, Add	13.83	
			For 4,500 PSI Concrete, Add	16.08	
			For 5,000 PSI Concrete, Add	18.33	
			For 6,000 PSI Concrete, Add	43.42	
			For White Cement Concrete, Add	19.30	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.91	
			For High Early Strength, Type 3 ASTM C150, Add	16.08	
			For Lightweight Aggregate, ASTM C330, Add	48.24	
			For Up To 20, Add	4.00	
			For >20 To 50, Add	1.50	
			For >100 To 200, Deduct	-3.42	
			For >200 To 400, Deduct	-6.83	
			For >400, Deduct	-10.25	
03 31	13 00-0028		Place Concrete Grade Beams (03 31 13 00-0011)		
03 31	13 00-0029	CY	Crane And Bucket, Place 3,000 PSI Concrete Grade Beams.....	219.26	
			For 2,000 PSI Concrete, Deduct	-8.02	
			For 2,500 PSI Concrete, Deduct	-4.01	
			For 3,500 PSI Concrete, Add	7.42	
			For 3,750 PSI Concrete, Add	10.09	
			For 4,000 PSI Concrete, Add	12.77	
			For 4,500 PSI Concrete, Add	14.84	
			For 5,000 PSI Concrete, Add	16.92	
			For 6,000 PSI Concrete, Add	40.08	
			For White Cement Concrete, Add	17.81	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.30	
			For High Early Strength, Type 3 ASTM C150, Add	14.84	
			For Lightweight Aggregate, ASTM C330, Add	44.53	
			For Up To 20, Add	28.33	
			For >20 To 50, Add	10.62	
			For >100 To 200, Deduct	-4.39	
			For >200 To 400, Deduct	-8.77	
			For >400, Deduct	-13.16	
03 31	13 00-0030	CY	Direct Chute, Place 3,000 PSI Concrete Grade Beams.....	180.39	
			For 2,000 PSI Concrete, Deduct	-8.02	
			For 2,500 PSI Concrete, Deduct	-4.01	
			For 3,500 PSI Concrete, Add	7.42	
			For 3,750 PSI Concrete, Add	10.09	
			For 4,000 PSI Concrete, Add	12.77	
			For 4,500 PSI Concrete, Add	14.84	
			For 5,000 PSI Concrete, Add	16.92	
			For 6,000 PSI Concrete, Add	40.08	
			For White Cement Concrete, Add	17.81	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.30	
			For High Early Strength, Type 3 ASTM C150, Add	14.84	
			For Lightweight Aggregate, ASTM C330, Add	44.53	
			For Up To 20, Add	12.78	
			For >20 To 50, Add	4.79	
			For >100 To 200, Deduct	-3.61	
			For >200 To 400, Deduct	-7.22	
			For >400, Deduct	-10.82	
03 31	13 00-0031	CY	Concrete Pump, Place 3,000 PSI Concrete Grade Beams.....	191.24	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-8.68	
			For 2,500 PSI Concrete, Deduct	-4.34	
			For 3,500 PSI Concrete, Add	8.04	
			For 3,750 PSI Concrete, Add	10.94	
			For 4,000 PSI Concrete, Add	13.83	
			For 4,500 PSI Concrete, Add	16.08	
			For 5,000 PSI Concrete, Add	18.33	
			For 6,000 PSI Concrete, Add	43.42	
			For White Cement Concrete, Add	19.30	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.91	
			For High Early Strength, Type 3 ASTM C150, Add	16.08	
			For Lightweight Aggregate, ASTM C330, Add	48.24	
			For Up To 20, Add	12.17	
			For >20 To 50, Add	4.56	
			For >100 To 200, Deduct	-3.82	
			For >200 To 400, Deduct	-7.65	
			For >400, Deduct	-11.47	
03 31	13 00-0032		Place Concrete Slab On Grade (03 31 13 00-0011)		



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0033 CY Up To 6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade.....	220.93	
For 2,000 PSI Concrete, Deduct	-8.02	
For 2,500 PSI Concrete, Deduct	-4.01	
For 3,500 PSI Concrete, Add	7.42	
For 3,750 PSI Concrete, Add	10.09	
For 4,000 PSI Concrete, Add	12.77	
For 4,500 PSI Concrete, Add	14.84	
For 5,000 PSI Concrete, Add	16.92	
For 6,000 PSI Concrete, Add	40.08	
For White Cement Concrete, Add	17.81	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.30	
For High Early Strength, Type 3 ASTM C150, Add	14.84	
For Lightweight Aggregate, ASTM C330, Add	44.53	
For Up To 20, Add	29.00	
For >20 To 50, Add	10.87	
For >100 To 200, Deduct	-4.42	
For >200 To 400, Deduct	-8.84	
For >400, Deduct	-13.26	
03 31 13 00-0034 CY >6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade	203.44	
For 2,000 PSI Concrete, Deduct	-8.02	
For 2,500 PSI Concrete, Deduct	-4.01	
For 3,500 PSI Concrete, Add	7.42	
For 3,750 PSI Concrete, Add	10.09	
For 4,000 PSI Concrete, Add	12.77	
For 4,500 PSI Concrete, Add	14.84	
For 5,000 PSI Concrete, Add	16.92	
For 6,000 PSI Concrete, Add	40.08	
For White Cement Concrete, Add	17.81	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.30	
For High Early Strength, Type 3 ASTM C150, Add	14.84	
For Lightweight Aggregate, ASTM C330, Add	44.53	
For Up To 20, Add	22.00	
For >20 To 50, Add	8.25	
For >100 To 200, Deduct	-4.07	
For >200 To 400, Deduct	-8.14	
For >400, Deduct	-12.21	
03 31 13 00-0035 CY Up To 6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade.....	181.14	
For 2,000 PSI Concrete, Deduct	-8.02	
For 2,500 PSI Concrete, Deduct	-4.01	
For 3,500 PSI Concrete, Add	7.42	
For 3,750 PSI Concrete, Add	10.09	
For 4,000 PSI Concrete, Add	12.77	
For 4,500 PSI Concrete, Add	14.84	
For 5,000 PSI Concrete, Add	16.92	
For 6,000 PSI Concrete, Add	40.08	
For White Cement Concrete, Add	17.81	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.30	
For High Early Strength, Type 3 ASTM C150, Add	14.84	
For Lightweight Aggregate, ASTM C330, Add	44.53	
For Up To 20, Add	13.08	
For >20 To 50, Add	4.91	
For >100 To 200, Deduct	-3.62	
For >200 To 400, Deduct	-7.25	
For >400, Deduct	-10.87	
03 31 13 00-0036 CY >6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade	173.25	
For 2,000 PSI Concrete, Deduct	-8.02	
For 2,500 PSI Concrete, Deduct	-4.01	
For 3,500 PSI Concrete, Add	7.42	
For 3,750 PSI Concrete, Add	10.09	
For 4,000 PSI Concrete, Add	12.77	
For 4,500 PSI Concrete, Add	14.84	
For 5,000 PSI Concrete, Add	16.92	
For 6,000 PSI Concrete, Add	40.08	
For White Cement Concrete, Add	17.81	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.30	
For High Early Strength, Type 3 ASTM C150, Add	14.84	
For Lightweight Aggregate, ASTM C330, Add	44.53	
For Up To 20, Add	9.92	
For >20 To 50, Add	3.72	
For >100 To 200, Deduct	-3.47	
For >200 To 400, Deduct	-6.93	
For >400, Deduct	-10.40	

03	Concrete
03 30	Cast-In-Place Concrete
03 31	Structural Concrete



MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

03 31 13 00-0037	CY	Up To 6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade.....	188.07	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-8.68	
		For 2,500 PSI Concrete, Deduct	-4.34	
		For 3,500 PSI Concrete, Add	8.04	
		For 3,750 PSI Concrete, Add	10.94	
		For 4,000 PSI Concrete, Add	13.83	
		For 4,500 PSI Concrete, Add	16.08	
		For 5,000 PSI Concrete, Add	18.33	
		For 6,000 PSI Concrete, Add	43.42	
		For White Cement Concrete, Add	19.30	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.91	
		For High Early Strength, Type 3 ASTM C150, Add	16.08	
		For Lightweight Aggregate, ASTM C330, Add	48.24	
		For Up To 20, Add	10.90	
		For >20 To 50, Add	4.09	
		For >100 To 200, Deduct	-3.76	
		For >200 To 400, Deduct	-7.52	
		For >400, Deduct	-11.28	
03 31 13 00-0038	CY	>6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade.....	181.49	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-8.68	
		For 2,500 PSI Concrete, Deduct	-4.34	
		For 3,500 PSI Concrete, Add	8.04	
		For 3,750 PSI Concrete, Add	10.94	
		For 4,000 PSI Concrete, Add	13.83	
		For 4,500 PSI Concrete, Add	16.08	
		For 5,000 PSI Concrete, Add	18.33	
		For 6,000 PSI Concrete, Add	43.42	
		For White Cement Concrete, Add	19.30	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.91	
		For High Early Strength, Type 3 ASTM C150, Add	16.08	
		For Lightweight Aggregate, ASTM C330, Add	48.24	
		For Up To 20, Add	8.27	
		For >20 To 50, Add	3.10	
		For >100 To 200, Deduct	-3.63	
		For >200 To 400, Deduct	-7.26	
		For >400, Deduct	-10.89	
03 31 13 00-0039		Place Concrete Duct Bank (03 31 13 00-0011)		
03 31 13 00-0040	CY	Direct Chute, Place 3,000 PSI Concrete Duct Bank	175.50	
		For 2,000 PSI Concrete, Deduct	-8.02	
		For 2,500 PSI Concrete, Deduct	-4.01	
		For 3,500 PSI Concrete, Add	7.42	
		For 3,750 PSI Concrete, Add	10.09	
		For 4,000 PSI Concrete, Add	12.77	
		For 4,500 PSI Concrete, Add	14.84	
		For 5,000 PSI Concrete, Add	16.92	
		For 6,000 PSI Concrete, Add	40.08	
		For White Cement Concrete, Add	17.81	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.30	
		For High Early Strength, Type 3 ASTM C150, Add	14.84	
		For Lightweight Aggregate, ASTM C330, Add	44.53	
		For Up To 20, Add	10.82	
		For >20 To 50, Add	4.06	
		For >100 To 200, Deduct	-3.51	
		For >200 To 400, Deduct	-7.02	
		For >400, Deduct	-10.53	
03 31 13 00-0041		Place Concrete Stairs (03 31 13 00-0011)		
03 31 13 00-0042	CY	Crane And Bucket, Place 3,000 PSI On Grade Concrete Stairs.....	474.58	
		For 2,000 PSI Concrete, Deduct	-8.02	
		For 2,500 PSI Concrete, Deduct	-4.01	
		For 3,500 PSI Concrete, Add	7.42	
		For 3,750 PSI Concrete, Add	10.09	
		For 4,000 PSI Concrete, Add	12.77	
		For 4,500 PSI Concrete, Add	14.84	
		For 5,000 PSI Concrete, Add	16.92	
		For 6,000 PSI Concrete, Add	40.08	
		For White Cement Concrete, Add	17.81	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.30	
		For High Early Strength, Type 3 ASTM C150, Add	14.84	
		For Lightweight Aggregate, ASTM C330, Add	44.53	
		For Up To 20, Add	130.46	
		For >20 To 50, Add	48.92	
		For >100 To 200, Deduct	-9.49	
		For >200 To 400, Deduct	-18.98	
		For >400, Deduct	-28.47	



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0043 CY Direct Chute, Place 3,000 PSI On Grade Concrete Stairs.....	295.62	
For 2,000 PSI Concrete, Deduct	-8.02	
For 2,500 PSI Concrete, Deduct	-4.01	
For 3,500 PSI Concrete, Add	7.42	
For 3,750 PSI Concrete, Add	10.09	
For 4,000 PSI Concrete, Add	12.77	
For 4,500 PSI Concrete, Add	14.84	
For 5,000 PSI Concrete, Add	16.92	
For 6,000 PSI Concrete, Add	40.08	
For White Cement Concrete, Add	17.81	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.30	
For High Early Strength, Type 3 ASTM C150, Add	14.84	
For Lightweight Aggregate, ASTM C330, Add	44.53	
For Up To 20, Add	58.87	
For >20 To 50, Add	22.08	
For >100 To 200, Deduct	-5.91	
For >200 To 400, Deduct	-11.82	
For >400, Deduct	-17.74	
03 31 13 00-0044 CY Concrete Pump, Place 3,000 PSI On Grade Concrete Stairs.....	283.47	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-8.68	
For 2,500 PSI Concrete, Deduct	-4.34	
For 3,500 PSI Concrete, Add	8.04	
For 3,750 PSI Concrete, Add	10.94	
For 4,000 PSI Concrete, Add	13.83	
For 4,500 PSI Concrete, Add	16.08	
For 5,000 PSI Concrete, Add	18.33	
For 6,000 PSI Concrete, Add	43.42	
For White Cement Concrete, Add	19.30	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.91	
For High Early Strength, Type 3 ASTM C150, Add	16.08	
For Lightweight Aggregate, ASTM C330, Add	48.24	
For Up To 20, Add	49.06	
For >20 To 50, Add	18.40	
For >100 To 200, Deduct	-5.67	
For >200 To 400, Deduct	-11.34	
For >400, Deduct	-17.01	
03 31 13 00-0045 Place Concrete Superstructure By Method Indicated (03 31 13 00-0010)		
See CSI section 03 37 16 00-0001 for concrete pump truck.		
03 31 13 00-0046 Place Elevated Concrete Beams (03 31 13 00-0045)		
03 31 13 00-0047 CY Crane And Bucket, Place 3,000 PSI Elevated Concrete Beams.....	325.50	
For 2,000 PSI Concrete, Deduct	-8.02	
For 2,500 PSI Concrete, Deduct	-4.01	
For 3,500 PSI Concrete, Add	7.42	
For 3,750 PSI Concrete, Add	10.09	
For 4,000 PSI Concrete, Add	12.77	
For 4,500 PSI Concrete, Add	14.84	
For 5,000 PSI Concrete, Add	16.92	
For 6,000 PSI Concrete, Add	40.08	
For White Cement Concrete, Add	17.81	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.30	
For High Early Strength, Type 3 ASTM C150, Add	14.84	
For Lightweight Aggregate, ASTM C330, Add	44.53	
For Up To 20, Add	70.82	
For >20 To 50, Add	26.56	
For >100 To 200, Deduct	-6.51	
For >200 To 400, Deduct	-13.02	
For >400, Deduct	-19.53	
03 31 13 00-0048 CY Concrete Pump, Place 3,000 PSI Elevated Concrete Beams.....	236.89	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-8.68	
For 2,500 PSI Concrete, Deduct	-4.34	
For 3,500 PSI Concrete, Add	8.04	
For 3,750 PSI Concrete, Add	10.94	
For 4,000 PSI Concrete, Add	13.83	
For 4,500 PSI Concrete, Add	16.08	
For 5,000 PSI Concrete, Add	18.33	
For 6,000 PSI Concrete, Add	43.42	
For White Cement Concrete, Add	19.30	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.91	
For High Early Strength, Type 3 ASTM C150, Add	16.08	
For Lightweight Aggregate, ASTM C330, Add	48.24	
For Up To 20, Add	30.43	
For >20 To 50, Add	11.41	
For >100 To 200, Deduct	-4.74	
For >200 To 400, Deduct	-9.48	
For >400, Deduct	-14.21	
03 31 13 00-0049 Place Elevated Concrete Slab (03 31 13 00-0045)		

03	Concrete
03 30	Cast-In-Place Concrete
03 31	Structural Concrete



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0050	CY	Up To 6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab.....	231.80	
		<i>For 2,000 PSI Concrete, Deduct</i>	-8.02	
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.01	
		<i>For 3,500 PSI Concrete, Add</i>	7.42	
		<i>For 3,750 PSI Concrete, Add</i>	10.09	
		<i>For 4,000 PSI Concrete, Add</i>	12.77	
		<i>For 4,500 PSI Concrete, Add</i>	14.84	
		<i>For 5,000 PSI Concrete, Add</i>	16.92	
		<i>For 6,000 PSI Concrete, Add</i>	40.08	
		<i>For White Cement Concrete, Add</i>	17.81	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	19.30	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	14.84	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	44.53	
		<i>For Up To 20, Add</i>	33.34	
		<i>For >20 To 50, Add</i>	12.50	
		<i>For >100 To 200, Deduct</i>	-4.64	
		<i>For >200 To 400, Deduct</i>	-9.27	
		<i>For >400, Deduct</i>	-13.91	
03 31 13 00-0051	CY	>6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab	211.69	
		<i>For 2,000 PSI Concrete, Deduct</i>	-8.02	
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.01	
		<i>For 3,500 PSI Concrete, Add</i>	7.42	
		<i>For 3,750 PSI Concrete, Add</i>	10.09	
		<i>For 4,000 PSI Concrete, Add</i>	12.77	
		<i>For 4,500 PSI Concrete, Add</i>	14.84	
		<i>For 5,000 PSI Concrete, Add</i>	16.92	
		<i>For 6,000 PSI Concrete, Add</i>	40.08	
		<i>For White Cement Concrete, Add</i>	17.81	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	19.30	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	14.84	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	44.53	
		<i>For Up To 20, Add</i>	25.30	
		<i>For >20 To 50, Add</i>	9.49	
		<i>For >100 To 200, Deduct</i>	-4.23	
		<i>For >200 To 400, Deduct</i>	-8.47	
		<i>For >400, Deduct</i>	-12.70	
03 31 13 00-0052	CY	Up To 6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab.....	196.63	
		Note: Excludes pumping equipment.		
		<i>For 2,000 PSI Concrete, Deduct</i>	-8.68	
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.34	
		<i>For 3,500 PSI Concrete, Add</i>	8.04	
		<i>For 3,750 PSI Concrete, Add</i>	10.94	
		<i>For 4,000 PSI Concrete, Add</i>	13.83	
		<i>For 4,500 PSI Concrete, Add</i>	16.08	
		<i>For 5,000 PSI Concrete, Add</i>	18.33	
		<i>For 6,000 PSI Concrete, Add</i>	43.42	
		<i>For White Cement Concrete, Add</i>	19.30	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	20.91	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	16.08	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	48.24	
		<i>For Up To 20, Add</i>	14.33	
		<i>For >20 To 50, Add</i>	5.37	
		<i>For >100 To 200, Deduct</i>	-3.93	
		<i>For >200 To 400, Deduct</i>	-7.87	
		<i>For >400, Deduct</i>	-11.80	
03 31 13 00-0053	CY	>6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab	187.99	
		Note: Excludes pumping equipment.		
		<i>For 2,000 PSI Concrete, Deduct</i>	-8.68	
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.34	
		<i>For 3,500 PSI Concrete, Add</i>	8.04	
		<i>For 3,750 PSI Concrete, Add</i>	10.94	
		<i>For 4,000 PSI Concrete, Add</i>	13.83	
		<i>For 4,500 PSI Concrete, Add</i>	16.08	
		<i>For 5,000 PSI Concrete, Add</i>	18.33	
		<i>For 6,000 PSI Concrete, Add</i>	43.42	
		<i>For White Cement Concrete, Add</i>	19.30	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	20.91	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	16.08	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	48.24	
		<i>For Up To 20, Add</i>	10.87	
		<i>For >20 To 50, Add</i>	4.08	
		<i>For >100 To 200, Deduct</i>	-3.76	
		<i>For >200 To 400, Deduct</i>	-7.52	
		<i>For >400, Deduct</i>	-11.28	

03 31 13 00-0054 Place Concrete Columns (03 31 13 00-0045)



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0055 CY 12" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	339.66	
For 2,000 PSI Concrete, Deduct	-8.02	
For 2,500 PSI Concrete, Deduct	-4.01	
For 3,500 PSI Concrete, Add	7.42	
For 3,750 PSI Concrete, Add	10.09	
For 4,000 PSI Concrete, Add	12.77	
For 4,500 PSI Concrete, Add	14.84	
For 5,000 PSI Concrete, Add	16.92	
For 6,000 PSI Concrete, Add	40.08	
For White Cement Concrete, Add	17.81	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.30	
For High Early Strength, Type 3 ASTM C150, Add	14.84	
For Lightweight Aggregate, ASTM C330, Add	44.53	
For Up To 20, Add	76.49	
For >20 To 50, Add	28.68	
For >100 To 200, Deduct	-6.79	
For >200 To 400, Deduct	-13.59	
For >400, Deduct	-20.38	
03 31 13 00-0056 CY 18" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	287.43	
For 2,000 PSI Concrete, Deduct	-8.02	
For 2,500 PSI Concrete, Deduct	-4.01	
For 3,500 PSI Concrete, Add	7.42	
For 3,750 PSI Concrete, Add	10.09	
For 4,000 PSI Concrete, Add	12.77	
For 4,500 PSI Concrete, Add	14.84	
For 5,000 PSI Concrete, Add	16.92	
For 6,000 PSI Concrete, Add	40.08	
For White Cement Concrete, Add	17.81	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.30	
For High Early Strength, Type 3 ASTM C150, Add	14.84	
For Lightweight Aggregate, ASTM C330, Add	44.53	
For Up To 20, Add	55.60	
For >20 To 50, Add	20.85	
For >100 To 200, Deduct	-5.75	
For >200 To 400, Deduct	-11.50	
For >400, Deduct	-17.25	
03 31 13 00-0057 CY 24" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	250.07	
For 2,000 PSI Concrete, Deduct	-8.02	
For 2,500 PSI Concrete, Deduct	-4.01	
For 3,500 PSI Concrete, Add	7.42	
For 3,750 PSI Concrete, Add	10.09	
For 4,000 PSI Concrete, Add	12.77	
For 4,500 PSI Concrete, Add	14.84	
For 5,000 PSI Concrete, Add	16.92	
For 6,000 PSI Concrete, Add	40.08	
For White Cement Concrete, Add	17.81	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.30	
For High Early Strength, Type 3 ASTM C150, Add	14.84	
For Lightweight Aggregate, ASTM C330, Add	44.53	
For Up To 20, Add	40.65	
For >20 To 50, Add	15.24	
For >100 To 200, Deduct	-5.00	
For >200 To 400, Deduct	-10.00	
For >400, Deduct	-15.00	
03 31 13 00-0058 CY 36" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	233.42	
For 2,000 PSI Concrete, Deduct	-8.02	
For 2,500 PSI Concrete, Deduct	-4.01	
For 3,500 PSI Concrete, Add	7.42	
For 3,750 PSI Concrete, Add	10.09	
For 4,000 PSI Concrete, Add	12.77	
For 4,500 PSI Concrete, Add	14.84	
For 5,000 PSI Concrete, Add	16.92	
For 6,000 PSI Concrete, Add	40.08	
For White Cement Concrete, Add	17.81	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.30	
For High Early Strength, Type 3 ASTM C150, Add	14.84	
For Lightweight Aggregate, ASTM C330, Add	44.53	
For Up To 20, Add	33.99	
For >20 To 50, Add	12.75	
For >100 To 200, Deduct	-4.67	
For >200 To 400, Deduct	-9.34	
For >400, Deduct	-14.01	

03	Concrete
03 30	Cast-In-Place Concrete
03 31	Structural Concrete



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0059	CY	12" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	242.98
		Note: Excludes pumping equipment.	
		For 2,000 PSI Concrete, Deduct	-8.68
		For 2,500 PSI Concrete, Deduct	-4.34
		For 3,500 PSI Concrete, Add	8.04
		For 3,750 PSI Concrete, Add	10.94
		For 4,000 PSI Concrete, Add	13.83
		For 4,500 PSI Concrete, Add	16.08
		For 5,000 PSI Concrete, Add	18.33
		For 6,000 PSI Concrete, Add	43.42
		For White Cement Concrete, Add	19.30
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.91
		For High Early Strength, Type 3 ASTM C150, Add	16.08
		For Lightweight Aggregate, ASTM C330, Add	48.24
		For Up To 20, Add	32.87
		For >20 To 50, Add	12.33
		For >100 To 200, Deduct	-4.86
		For >200 To 400, Deduct	-9.72
		For >400, Deduct	-14.58
03 31 13 00-0060	CY	18" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	220.53
		Note: Excludes pumping equipment.	
		For 2,000 PSI Concrete, Deduct	-8.68
		For 2,500 PSI Concrete, Deduct	-4.34
		For 3,500 PSI Concrete, Add	8.04
		For 3,750 PSI Concrete, Add	10.94
		For 4,000 PSI Concrete, Add	13.83
		For 4,500 PSI Concrete, Add	16.08
		For 5,000 PSI Concrete, Add	18.33
		For 6,000 PSI Concrete, Add	43.42
		For White Cement Concrete, Add	19.30
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.91
		For High Early Strength, Type 3 ASTM C150, Add	16.08
		For Lightweight Aggregate, ASTM C330, Add	48.24
		For Up To 20, Add	23.89
		For >20 To 50, Add	8.96
		For >100 To 200, Deduct	-4.41
		For >200 To 400, Deduct	-8.82
		For >400, Deduct	-13.23
03 31 13 00-0061	CY	24" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	204.48
		Note: Excludes pumping equipment.	
		For 2,000 PSI Concrete, Deduct	-8.68
		For 2,500 PSI Concrete, Deduct	-4.34
		For 3,500 PSI Concrete, Add	8.04
		For 3,750 PSI Concrete, Add	10.94
		For 4,000 PSI Concrete, Add	13.83
		For 4,500 PSI Concrete, Add	16.08
		For 5,000 PSI Concrete, Add	18.33
		For 6,000 PSI Concrete, Add	43.42
		For White Cement Concrete, Add	19.30
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.91
		For High Early Strength, Type 3 ASTM C150, Add	16.08
		For Lightweight Aggregate, ASTM C330, Add	48.24
		For Up To 20, Add	17.47
		For >20 To 50, Add	6.55
		For >100 To 200, Deduct	-4.09
		For >200 To 400, Deduct	-8.18
		For >400, Deduct	-12.27
03 31 13 00-0062	CY	36" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	197.33
		Note: Excludes pumping equipment.	
		For 2,000 PSI Concrete, Deduct	-8.68
		For 2,500 PSI Concrete, Deduct	-4.34
		For 3,500 PSI Concrete, Add	8.04
		For 3,750 PSI Concrete, Add	10.94
		For 4,000 PSI Concrete, Add	13.83
		For 4,500 PSI Concrete, Add	16.08
		For 5,000 PSI Concrete, Add	18.33
		For 6,000 PSI Concrete, Add	43.42
		For White Cement Concrete, Add	19.30
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.91
		For High Early Strength, Type 3 ASTM C150, Add	16.08
		For Lightweight Aggregate, ASTM C330, Add	48.24
		For Up To 20, Add	14.61
		For >20 To 50, Add	5.48
		For >100 To 200, Deduct	-3.95
		For >200 To 400, Deduct	-7.89
		For >400, Deduct	-11.84

03 31 13 00-0063 Place Concrete Walls (03 31 13 00-0045)



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0064 CY 8" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls.....	327.71	
For 2,000 PSI Concrete, Deduct	-8.02	
For 2,500 PSI Concrete, Deduct	-4.01	
For 3,500 PSI Concrete, Add	7.42	
For 3,750 PSI Concrete, Add	10.09	
For 4,000 PSI Concrete, Add	12.77	
For 4,500 PSI Concrete, Add	14.84	
For 5,000 PSI Concrete, Add	16.92	
For 6,000 PSI Concrete, Add	40.08	
For White Cement Concrete, Add	17.81	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.30	
For High Early Strength, Type 3 ASTM C150, Add	14.84	
For Lightweight Aggregate, ASTM C330, Add	44.53	
For Up To 20, Add	71.71	
For >20 To 50, Add	26.89	
For >100 To 200, Deduct	-6.55	
For >200 To 400, Deduct	-13.11	
For >400, Deduct	-19.66	
03 31 13 00-0065 CY 12" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls.....	312.84	
For 2,000 PSI Concrete, Deduct	-8.02	
For 2,500 PSI Concrete, Deduct	-4.01	
For 3,500 PSI Concrete, Add	7.42	
For 3,750 PSI Concrete, Add	10.09	
For 4,000 PSI Concrete, Add	12.77	
For 4,500 PSI Concrete, Add	14.84	
For 5,000 PSI Concrete, Add	16.92	
For 6,000 PSI Concrete, Add	40.08	
For White Cement Concrete, Add	17.81	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.30	
For High Early Strength, Type 3 ASTM C150, Add	14.84	
For Lightweight Aggregate, ASTM C330, Add	44.53	
For Up To 20, Add	65.76	
For >20 To 50, Add	24.66	
For >100 To 200, Deduct	-6.26	
For >200 To 400, Deduct	-12.51	
For >400, Deduct	-18.77	
03 31 13 00-0066 CY 15" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls.....	273.93	
For 2,000 PSI Concrete, Deduct	-8.02	
For 2,500 PSI Concrete, Deduct	-4.01	
For 3,500 PSI Concrete, Add	7.42	
For 3,750 PSI Concrete, Add	10.09	
For 4,000 PSI Concrete, Add	12.77	
For 4,500 PSI Concrete, Add	14.84	
For 5,000 PSI Concrete, Add	16.92	
For 6,000 PSI Concrete, Add	40.08	
For White Cement Concrete, Add	17.81	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.30	
For High Early Strength, Type 3 ASTM C150, Add	14.84	
For Lightweight Aggregate, ASTM C330, Add	44.53	
For Up To 20, Add	50.20	
For >20 To 50, Add	18.82	
For >100 To 200, Deduct	-5.48	
For >200 To 400, Deduct	-10.96	
For >400, Deduct	-16.44	
03 31 13 00-0067 CY 8" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls.....	229.32	
For 2,000 PSI Concrete, Deduct	-8.02	
For 2,500 PSI Concrete, Deduct	-4.01	
For 3,500 PSI Concrete, Add	7.42	
For 3,750 PSI Concrete, Add	10.09	
For 4,000 PSI Concrete, Add	12.77	
For 4,500 PSI Concrete, Add	14.84	
For 5,000 PSI Concrete, Add	16.92	
For 6,000 PSI Concrete, Add	40.08	
For White Cement Concrete, Add	17.81	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.30	
For High Early Strength, Type 3 ASTM C150, Add	14.84	
For Lightweight Aggregate, ASTM C330, Add	44.53	
For Up To 20, Add	32.35	
For >20 To 50, Add	12.13	
For >100 To 200, Deduct	-4.59	
For >200 To 400, Deduct	-9.17	
For >400, Deduct	-13.76	

03	Concrete
03 30	Cast-In-Place Concrete
03 31	Structural Concrete



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0068	CY 12" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	213.15	
	For 2,000 PSI Concrete, Deduct	-8.02	
	For 2,500 PSI Concrete, Deduct	-4.01	
	For 3,500 PSI Concrete, Add	7.42	
	For 3,750 PSI Concrete, Add	10.09	
	For 4,000 PSI Concrete, Add	12.77	
	For 4,500 PSI Concrete, Add	14.84	
	For 5,000 PSI Concrete, Add	16.92	
	For 6,000 PSI Concrete, Add	40.08	
	For White Cement Concrete, Add	17.81	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.30	
	For High Early Strength, Type 3 ASTM C150, Add	14.84	
	For Lightweight Aggregate, ASTM C330, Add	44.53	
	For Up To 20, Add	25.88	
	For >20 To 50, Add	9.71	
	For >100 To 200, Deduct	-4.26	
	For >200 To 400, Deduct	-8.53	
	For >400, Deduct	-12.79	
03 31 13 00-0069	CY 15" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	205.06	
	For 2,000 PSI Concrete, Deduct	-8.02	
	For 2,500 PSI Concrete, Deduct	-4.01	
	For 3,500 PSI Concrete, Add	7.42	
	For 3,750 PSI Concrete, Add	10.09	
	For 4,000 PSI Concrete, Add	12.77	
	For 4,500 PSI Concrete, Add	14.84	
	For 5,000 PSI Concrete, Add	16.92	
	For 6,000 PSI Concrete, Add	40.08	
	For White Cement Concrete, Add	17.81	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.30	
	For High Early Strength, Type 3 ASTM C150, Add	14.84	
	For Lightweight Aggregate, ASTM C330, Add	44.53	
	For Up To 20, Add	22.65	
	For >20 To 50, Add	8.49	
	For >100 To 200, Deduct	-4.10	
	For >200 To 400, Deduct	-8.20	
	For >400, Deduct	-12.30	
03 31 13 00-0070	CY 8" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	237.84	
	Note: Excludes pumping equipment.		
	For 2,000 PSI Concrete, Deduct	-8.68	
	For 2,500 PSI Concrete, Deduct	-4.34	
	For 3,500 PSI Concrete, Add	8.04	
	For 3,750 PSI Concrete, Add	10.94	
	For 4,000 PSI Concrete, Add	13.83	
	For 4,500 PSI Concrete, Add	16.08	
	For 5,000 PSI Concrete, Add	18.33	
	For 6,000 PSI Concrete, Add	43.42	
	For White Cement Concrete, Add	19.30	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.91	
	For High Early Strength, Type 3 ASTM C150, Add	16.08	
	For Lightweight Aggregate, ASTM C330, Add	48.24	
	For Up To 20, Add	30.81	
	For >20 To 50, Add	11.55	
	For >100 To 200, Deduct	-4.76	
	For >200 To 400, Deduct	-9.51	
	For >400, Deduct	-14.27	
03 31 13 00-0071	CY 12" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	222.44	
	Note: Excludes pumping equipment.		
	For 2,000 PSI Concrete, Deduct	-8.68	
	For 2,500 PSI Concrete, Deduct	-4.34	
	For 3,500 PSI Concrete, Add	8.04	
	For 3,750 PSI Concrete, Add	10.94	
	For 4,000 PSI Concrete, Add	13.83	
	For 4,500 PSI Concrete, Add	16.08	
	For 5,000 PSI Concrete, Add	18.33	
	For 6,000 PSI Concrete, Add	43.42	
	For White Cement Concrete, Add	19.30	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.91	
	For High Early Strength, Type 3 ASTM C150, Add	16.08	
	For Lightweight Aggregate, ASTM C330, Add	48.24	
	For Up To 20, Add	24.65	
	For >20 To 50, Add	9.24	
	For >100 To 200, Deduct	-4.45	
	For >200 To 400, Deduct	-8.90	
	For >400, Deduct	-13.35	



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0072 CY 15" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	214.73	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-8.68	
For 2,500 PSI Concrete, Deduct	-4.34	
For 3,500 PSI Concrete, Add	8.04	
For 3,750 PSI Concrete, Add	10.94	
For 4,000 PSI Concrete, Add	13.83	
For 4,500 PSI Concrete, Add	16.08	
For 5,000 PSI Concrete, Add	18.33	
For 6,000 PSI Concrete, Add	43.42	
For White Cement Concrete, Add	19.30	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.91	
For High Early Strength, Type 3 ASTM C150, Add	16.08	
For Lightweight Aggregate, ASTM C330, Add	48.24	
For Up To 20, Add	21.57	
For >20 To 50, Add	8.09	
For >100 To 200, Deduct	-4.29	
For >200 To 400, Deduct	-8.59	
For >400, Deduct	-12.88	
03 31 13 00-0073 Place Elevated Concrete Stairs (03 31 13 00-0045)		
03 31 13 00-0074 CY Crane And Bucket, Place 3,000 PSI Elevated Concrete Stairs	510.86	
For 2,000 PSI Concrete, Deduct	-8.02	
For 2,500 PSI Concrete, Deduct	-4.01	
For 3,500 PSI Concrete, Add	7.42	
For 3,750 PSI Concrete, Add	10.09	
For 4,000 PSI Concrete, Add	12.77	
For 4,500 PSI Concrete, Add	14.84	
For 5,000 PSI Concrete, Add	16.92	
For 6,000 PSI Concrete, Add	40.08	
For White Cement Concrete, Add	17.81	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.30	
For High Early Strength, Type 3 ASTM C150, Add	14.84	
For Lightweight Aggregate, ASTM C330, Add	44.53	
For Up To 20, Add	144.97	
For >20 To 50, Add	54.36	
For >100 To 200, Deduct	-10.22	
For >200 To 400, Deduct	-20.43	
For >400, Deduct	-30.65	
03 31 13 00-0075 CY Direct Chute, Place 3,000 PSI Elevated Concrete Stairs.....	311.96	
For 2,000 PSI Concrete, Deduct	-8.02	
For 2,500 PSI Concrete, Deduct	-4.01	
For 3,500 PSI Concrete, Add	7.42	
For 3,750 PSI Concrete, Add	10.09	
For 4,000 PSI Concrete, Add	12.77	
For 4,500 PSI Concrete, Add	14.84	
For 5,000 PSI Concrete, Add	16.92	
For 6,000 PSI Concrete, Add	40.08	
For White Cement Concrete, Add	17.81	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.30	
For High Early Strength, Type 3 ASTM C150, Add	14.84	
For Lightweight Aggregate, ASTM C330, Add	44.53	
For Up To 20, Add	65.41	
For >20 To 50, Add	24.53	
For >100 To 200, Deduct	-6.24	
For >200 To 400, Deduct	-12.48	
For >400, Deduct	-18.72	
03 31 13 00-0076 CY Concrete Pump, Place 3,000 PSI Elevated Concrete Stairs.....	297.08	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-8.68	
For 2,500 PSI Concrete, Deduct	-4.34	
For 3,500 PSI Concrete, Add	8.04	
For 3,750 PSI Concrete, Add	10.94	
For 4,000 PSI Concrete, Add	13.83	
For 4,500 PSI Concrete, Add	16.08	
For 5,000 PSI Concrete, Add	18.33	
For 6,000 PSI Concrete, Add	43.42	
For White Cement Concrete, Add	19.30	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.91	
For High Early Strength, Type 3 ASTM C150, Add	16.08	
For Lightweight Aggregate, ASTM C330, Add	48.24	
For Up To 20, Add	54.51	
For >20 To 50, Add	20.44	
For >100 To 200, Deduct	-5.94	
For >200 To 400, Deduct	-11.88	
For >400, Deduct	-17.82	
03 31 13 00-0077 Place Concrete Coping (03 31 13 00-0045)		

03	Concrete
03 30	Cast-In-Place Concrete
03 31	Structural Concrete



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0078	CY Crane And Bucket, Place 3,000 PSI Concrete Coping	523.39
	For 2,000 PSI Concrete, Deduct	-8.02
	For 2,500 PSI Concrete, Deduct	-4.01
	For 3,500 PSI Concrete, Add	7.42
	For 3,750 PSI Concrete, Add	10.09
	For 4,000 PSI Concrete, Add	12.77
	For 4,500 PSI Concrete, Add	14.84
	For 5,000 PSI Concrete, Add	16.92
	For 6,000 PSI Concrete, Add	40.08
	For White Cement Concrete, Add	17.81
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.30
	For High Early Strength, Type 3 ASTM C150, Add	14.84
	For Lightweight Aggregate, ASTM C330, Add	44.53
	For Up To 20, Add	149.98
	For >20 To 50, Add	56.24
	For >100 To 200, Deduct	-10.47
	For >200 To 400, Deduct	-20.94
	For >400, Deduct	-31.40
03 31 13 00-0079	CY Direct Chute, Place 3,000 PSI Concrete Coping	310.86
	For 2,000 PSI Concrete, Deduct	-8.02
	For 2,500 PSI Concrete, Deduct	-4.01
	For 3,500 PSI Concrete, Add	7.42
	For 3,750 PSI Concrete, Add	10.09
	For 4,000 PSI Concrete, Add	12.77
	For 4,500 PSI Concrete, Add	14.84
	For 5,000 PSI Concrete, Add	16.92
	For 6,000 PSI Concrete, Add	40.08
	For White Cement Concrete, Add	17.81
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.30
	For High Early Strength, Type 3 ASTM C150, Add	14.84
	For Lightweight Aggregate, ASTM C330, Add	44.53
	For Up To 20, Add	64.97
	For >20 To 50, Add	24.36
	For >100 To 200, Deduct	-6.22
	For >200 To 400, Deduct	-12.43
	For >400, Deduct	-18.65
03 31 13 00-0080	CY Concrete Pump, Place 3,000 PSI Concrete Coping.....	406.82
	Note: Excludes pumping equipment.	
	For 2,000 PSI Concrete, Deduct	-8.68
	For 2,500 PSI Concrete, Deduct	-4.34
	For 3,500 PSI Concrete, Add	8.04
	For 3,750 PSI Concrete, Add	10.94
	For 4,000 PSI Concrete, Add	13.83
	For 4,500 PSI Concrete, Add	16.08
	For 5,000 PSI Concrete, Add	18.33
	For 6,000 PSI Concrete, Add	43.42
	For White Cement Concrete, Add	19.30
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	20.91
	For High Early Strength, Type 3 ASTM C150, Add	16.08
	For Lightweight Aggregate, ASTM C330, Add	48.24
	For Up To 20, Add	98.40
	For >20 To 50, Add	36.90
	For >100 To 200, Deduct	-8.14
	For >200 To 400, Deduct	-16.27
	For >400, Deduct	-24.41
03 31 13 00-0081	Concrete Carts <small>(03 31 13 00-0010)</small>	
	Note: Used to place concrete were necessary.	
03 31 13 00-0082	CY 50' Haul, Non Motorized, Concrete Buggy	19.63
03 31 13 00-0083	CY 150' Haul, Non Motorized, Concrete Buggy	26.29
03 31 13 00-0084	CY 250' Haul, Non Motorized, Concrete Buggy	35.07
03 31 13 00-0085	CY 50' Haul, Motorized, Concrete Buggy	8.92
03 31 13 00-0086	CY 150' Haul, Motorized, Concrete Buggy.....	11.97
03 31 13 00-0087	CY 250' Haul, Motorized, Concrete Buggy.....	15.95
03 31 13 00-0088	Delivery Fee For Small Purchases <small>(03 31 13)</small>	
03 31 13 00-0089	CY Delivery Fee For Concrete Purchases Per CY For Each CY Less Than 9 CY	18.32
	Note: The task quantity is 9 minus the number of CY's delivered. For example, the delivery fee for 2CY's is: (9-2) = 7.	
03 31 13 00-0090	Equipment Pads <small>(03 31 13)</small>	
03 31 13 00-0091	Small Concrete Equipment Housekeeping Pad Assemblies <small>(03 31 13 00-0090)</small>	
	Note: Includes forms, hand mix concrete, finish, curing and reinforcing. For up to 50 SF per pad and up to 5 pads per project.	
03 31 13 00-0092	SF 4" Equipment Pad With Welded Wire Reinforcement	14.90
03 31 13 00-0093	SF 4" Equipment Pad With Rebar	18.48
03 31 13 00-0094	SF 6" Equipment Pad With Rebar	23.32
03 31 13 00-0095	SF 8" Equipment Pad With Rebar	29.34
03 31 13 00-0096	Delivery Fee For Concrete, Per Truck Load <small>(03 31 13)</small>	



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0097 EA Concrete Delivery Fee, Per Truck..... Note: To be added to all concrete leaving concrete yard	40.00	
03 35 Concrete Finishing (03 30)		
03 35 13 High-Tolerance Concrete Floor Finishing (03 35)		
03 35 13 00-0001 Floor Finishes (03 35 13)		
Note: Task is for final finish type and includes all required prior finishes.		
03 35 13 00-0002 SF Screed, Concrete Floor Finish.....	0.80	
For Up To 100, Add	1.60	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.20	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000, Deduct	-0.08	
03 35 13 00-0003 SF Darby, Concrete Floor Finish.....	0.96	
For Up To 100, Add	1.92	
For >100 To 250, Add	0.48	
For >250 To 500, Add	0.24	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000, Deduct	-0.10	
03 35 13 00-0004 SF Broom, Concrete Floor Finish.....	1.06	
For Up To 100, Add	2.12	
For >100 To 250, Add	0.53	
For >250 To 500, Add	0.27	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000, Deduct	-0.11	
03 35 13 00-0005 SF Final Float, Concrete Floor Finish.....	1.23	
For Up To 100, Add	2.46	
For >100 To 250, Add	0.62	
For >250 To 500, Add	0.31	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000, Deduct	-0.12	
03 35 13 00-0006 SF Steel Trowel, Concrete Floor Finish.....	1.40	
For Up To 100, Add	2.80	
For >100 To 250, Add	0.70	
For >250 To 500, Add	0.35	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000, Deduct	-0.14	
03 35 13 00-0007 SF Concrete Floor Finishes, Machine.....	1.23	
For Up To 100, Add	2.46	
For >100 To 250, Add	0.62	
For >250 To 500, Add	0.31	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000, Deduct	-0.12	
03 35 16 Heavy-Duty Concrete Floor Finishing (03 35)		
03 35 16 00-0001 Shake On Floor Hardeners (03 35 16)		
03 35 16 00-0002 SF 0.3 LB/SF, Metallic, Shake On Floor Hardener.....	1.02	
03 35 16 00-0003 SF 0.65 LB/SF, Metallic, Shake On Floor Hardener.....	1.59	
03 35 16 00-0004 SF 0.3 LB/SF, Non Metallic, Shake On Floor Hardener.....	0.96	
03 35 16 00-0005 SF 0.65 LB/SF, Non Metallic, Shake On Floor Hardener.....	1.18	
03 35 19 Colored Concrete Finishing (03 35)		
03 35 19 00-0001 Concrete Surface Treatments (03 35 19)		
03 35 19 00-0002 SF Acrylic Latex Bonding Agent.....	0.41	
03 35 19 00-0003 SF Epoxy Resin Bonding Agent.....	2.13	
03 35 19 00-0004 SF Clear Acrylic Sealer, Hardener And Dustproofers.....	0.26	
03 35 19 00-0005 SF Colored Acrylic Sealer, Hardener And Dustproofers.....	0.27	
03 35 23 Exposed Aggregate Concrete Finishing (03 35)		
03 35 23 00-0001 Exposed Aggregate, Concrete Finish (03 35 23)		
03 35 23 00-0002 SF Exposed Aggregate, Concrete Floor Finish.....	2.31	
03 35 26 Grooved Concrete Surface Finishing (03 35)		
03 35 26 00-0001 Ramp, Grooved Concrete Surface Finishing (03 35 26)		
03 35 26 00-0002 SF Ramp, Grooved Concrete Surface Finishing.....	3.48	
03 35 29 Tooled Concrete Finishing (03 35)		
03 35 29 00-0001 Solid Board Concrete Finish (03 35 29)		
03 35 29 00-0002 SF Solid Board Concrete, Non Uniform Finish, 1 Use, Add To Formwork.....	13.79	

03	Concrete
03 30	Cast-In-Place Concrete
03 35	Concrete Finishing



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 35 29 00-0003	Marblecrete Finishes (03 35 29)	
03 35 29 00-0004	SF 2" Thick Marblecrete And Finish	35.50
03 35 29 00-0005	SF 4" Thick Marblecrete And Finish	47.56

03 35 33 Stamped Concrete Finishing (03 35)

03 35 33 00-0001	Stamped Concrete Finishes (03 35 33)	
03 35 33 00-0002	SF Up To 2,500 SF Stamped Concrete Finish	3.17
03 35 33 00-0003	SF >2,500 To 10,000 SF Stamped Concrete Finish.....	2.87
03 35 33 00-0004	SF >10,000 SF Stamped Concrete Finish.....	2.74

03 35 43 Polished Concrete Finishing (03 35)

03 35 43 00-0001	Concrete Floor Polishing System (03 35 43)	
Note: The floor polishing system below may consist of one or multiple applications of each task/step below depending on existing conditions and desired results.		
03 35 43 00-0002	SF Mechanically Grind Concrete Floor With 40 Grit Metal Bonded Diamond Wheels.....	1.48
	For Up To 500, Add	2.87
	For >500 To 1,000, Add	2.66
	For >1,000 To 2,500, Add	1.76
	For >2,500 To 4,000, Add	0.92
	For >8,000 To 15,000, Deduct	-0.36
	For >15,000 To 25,000, Deduct	-0.45
	For >25,000, Deduct	-0.64
03 35 43 00-0003	SF Mechanically Grind Concrete Floor With 80 Grit Metal Bonded Diamond Wheels.....	1.18
	For Up To 500, Add	2.29
	For >500 To 1,000, Add	2.12
	For >1,000 To 2,500, Add	1.40
	For >2,500 To 4,000, Add	0.73
	For >8,000 To 15,000, Deduct	-0.28
	For >15,000 To 25,000, Deduct	-0.36
	For >25,000, Deduct	-0.51
03 35 43 00-0004	SF Mechanically Grind Concrete Floor With 100 Grit Resin Bonded Diamond Wheels	0.99
	For Up To 500, Add	1.92
	For >500 To 1,000, Add	1.78
	For >1,000 To 2,500, Add	1.18
	For >2,500 To 4,000, Add	0.61
	For >8,000 To 15,000, Deduct	-0.24
	For >15,000 To 25,000, Deduct	-0.30
	For >25,000, Deduct	-0.43
03 35 43 00-0005	SF Mechanically Grind Concrete Floor With 150 Grit Metal Bonded Diamond Wheels.....	0.91
	For Up To 500, Add	1.77
	For >500 To 1,000, Add	1.64
	For >1,000 To 2,500, Add	1.08
	For >2,500 To 4,000, Add	0.56
	For >8,000 To 15,000, Deduct	-0.22
	For >15,000 To 25,000, Deduct	-0.28
	For >25,000, Deduct	-0.39
03 35 43 00-0006	SF Mechanically Grind Concrete Floor With 200 Grit Resin Bonded Diamond Wheels	0.84
	For Up To 500, Add	1.63
	For >500 To 1,000, Add	1.51
	For >1,000 To 2,500, Add	1.00
	For >2,500 To 4,000, Add	0.52
	For >8,000 To 15,000, Deduct	-0.20
	For >15,000 To 25,000, Deduct	-0.26
	For >25,000, Deduct	-0.36
03 35 43 00-0007	SF Mechanically Grind Concrete Floor With 400 Grit Resin Bonded Diamond Wheels	0.84
	For Up To 500, Add	1.63
	For >500 To 1,000, Add	1.51
	For >1,000 To 2,500, Add	1.00
	For >2,500 To 4,000, Add	0.52
	For >8,000 To 15,000, Deduct	-0.20
	For >15,000 To 25,000, Deduct	-0.26
	For >25,000, Deduct	-0.36
03 35 43 00-0008	SF Mechanically Grind Concrete Floor With 800 Grit Resin Bonded Diamond Wheels	0.84
	For Up To 500, Add	1.63
	For >500 To 1,000, Add	1.51
	For >1,000 To 2,500, Add	1.00
	For >2,500 To 4,000, Add	0.52
	For >8,000 To 15,000, Deduct	-0.20
	For >15,000 To 25,000, Deduct	-0.26
	For >25,000, Deduct	-0.36
03 35 43 00-0009	SF Mechanically Grind Concrete Floor With 1,500 Grit Resin Bonded Diamond Wheels	0.84
	For Up To 500, Add	1.63
	For >500 To 1,000, Add	1.51
	For >1,000 To 2,500, Add	1.00
	For >2,500 To 4,000, Add	0.52
	For >8,000 To 15,000, Deduct	-0.20
	For >15,000 To 25,000, Deduct	-0.26
	For >25,000, Deduct	-0.36



Concrete	03	03
Cast-In-Place Concrete	03 30	
Concrete Finishing	03 35	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 43 00-0010 SF High Speed Burnish Concrete Floor With Diamond Pads.....	0.18	
For Up To 500, Add	0.35	
For >500 To 1,000, Add	0.32	
For >1,000 To 2,500, Add	0.21	
For >2,500 To 4,000, Add	0.11	
For >8,000 To 15,000, Deduct	-0.04	
For >15,000 To 25,000, Deduct	-0.05	
For >25,000, Deduct	-0.08	
03 35 43 00-0011 SF Apply 1 Coat Of Concrete Densifier	0.23	
For Up To 500, Add	0.45	
For >500 To 1,000, Add	0.41	
For >1,000 To 2,500, Add	0.27	
For >2,500 To 4,000, Add	0.14	
For >8,000 To 15,000, Deduct	-0.06	
For >15,000 To 25,000, Deduct	-0.07	
For >25,000, Deduct	-0.10	
03 35 43 00-0012 SF Apply 2 Coats Of Concrete Densifier With Stain Protector	0.23	
For Up To 500, Add	0.45	
For >500 To 1,000, Add	0.41	
For >1,000 To 2,500, Add	0.27	
For >2,500 To 4,000, Add	0.14	
For >8,000 To 15,000, Deduct	-0.06	
For >15,000 To 25,000, Deduct	-0.07	
For >25,000, Deduct	-0.10	
03 35 43 00-0013 SF Concrete Floor Polishing Final Clean Up	0.12	
For Up To 500, Add	0.23	
For >500 To 1,000, Add	0.22	
For >1,000 To 2,500, Add	0.14	
For >2,500 To 4,000, Add	0.07	
For >8,000 To 15,000, Deduct	-0.03	
For >15,000 To 25,000, Deduct	-0.04	
For >25,000, Deduct	-0.05	
03 35 63 Slip-Resistant Floor Finishing (03 35)		
03 35 63 00-0001 Slip-Resistant Floor Finishing (03 35 63)		
03 35 63 00-0002 SF Aluminum Oxide Abrasive Floor Finish, 0.25 LB/SF	1.10	
For Up To 100, Add	1.54	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.19	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000, Deduct	-0.08	
03 35 63 00-0003 SF Silicone Carbide Abrasive Floor Finish 0.25 LB/SF	1.02	
For Up To 100, Add	1.54	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.19	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000, Deduct	-0.08	
03 35 66 Acid Etch Floor Finishing (03 35)		
03 35 66 00-0001 Acid Etch Floor (03 35 66)		
03 35 66 00-0002 SF Concrete Floor Finishes, Etch With Acid And Rinse	0.84	
For Up To 100, Add	0.74	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.09	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000, Deduct	-0.04	
03 35 83 Concrete Wall Finishing (03 35)		
03 35 83 00-0001 Wall Finishes (03 35 83)		
03 35 83 00-0002 SF Burlap Rub With Grout, New Concrete Wall Finishes.....	1.43	
For Up To 100, Add	2.68	
For >100 To 250, Add	0.67	
For >250 To 500, Add	0.34	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000, Deduct	-0.13	
03 35 83 00-0003 SF 1/16" Float Finish, New Concrete Wall Finishes	2.14	
For Up To 100, Add	4.02	
For >100 To 250, Add	1.01	
For >250 To 500, Add	0.50	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000, Deduct	-0.20	
03 35 83 00-0004 SF Etch With Acid And Rinse, New Concrete Wall Finishes	0.92	
For Up To 100, Add	0.90	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.11	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000, Deduct	-0.05	

03 Concrete**03 30 Cast-In-Place Concrete****03 35 Concrete Finishing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 83 00-0005 SF Bush Hammer Green Concrete, New Concrete Wall Finishes.....	4.29	
For Up To 100, Add	8.50	
For >100 To 250, Add	2.13	
For >250 To 500, Add	1.06	
For >5,000 To 10,000, Deduct	-0.21	
For >10,000, Deduct	-0.43	
03 35 83 00-0006 SF Bush Hammer Cured Concrete, New Concrete Wall Finishes.....	6.67	
For Up To 100, Add	13.16	
For >100 To 250, Add	3.29	
For >250 To 500, Add	1.65	
For >5,000 To 10,000, Deduct	-0.33	
For >10,000, Deduct	-0.66	
03 35 83 00-0007 SF Break Ties And Patch, New Concrete Wall Finishes	0.83	
For Up To 100, Add	1.44	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.18	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000, Deduct	-0.07	
03 35 83 00-0008 SF Carborundum Dry Rub, New Concrete Wall Finishes	2.79	
For Up To 100, Add	5.36	
For >100 To 250, Add	1.34	
For >250 To 500, Add	0.67	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000, Deduct	-0.27	
03 35 83 00-0009 SF Carborundum Wet Rub, New Concrete Wall Finishes	4.24	
For Up To 100, Add	8.26	
For >100 To 250, Add	2.07	
For >250 To 500, Add	1.03	
For >5,000 To 10,000, Deduct	-0.21	
For >10,000, Deduct	-0.41	
03 35 83 00-0010 SF Up To 1/4" Penetration Sand Blasting, New Concrete Wall Finishes.....	2.72	
For Up To 100, Add	4.68	
For >100 To 250, Add	1.17	
For >250 To 500, Add	0.59	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000, Deduct	-0.23	
03 35 83 00-0011 SF >1/4" To 1/2" Penetration Sand Blasting, New Concrete Wall Finishes.....	7.64	
For Up To 100, Add	13.74	
For >100 To 250, Add	3.44	
For >250 To 500, Add	1.72	
For >5,000 To 10,000, Deduct	-0.34	
For >10,000, Deduct	-0.69	

03 37 Specialty Placed Concrete (03 30)

Note: Includes gun finish. Not to be used for pumping concrete tasks. See CSI section 03 35 00 00-0000 for finishing.

03 37 13 Shotcrete (03 37)**03 37 13 00-0001 Shotcrete, Fiber Reinforced, Structural Repair** (03 37 13)

03 37 13 00-0002 SF 1" Thick Shotcrete, Fiber Reinforced	4.45	
For Up To 25, Add	0.69	
For >25 To 50, Add	0.38	
For >50 To 150, Add	0.12	
03 37 13 00-0003 SF 2" Thick Shotcrete, Fiber Reinforced	8.59	
For Up To 25, Add	1.29	
For >25 To 50, Add	0.72	
For >50 To 150, Add	0.22	
03 37 13 00-0004 SF 3" Thick Shotcrete, Fiber Reinforced	12.44	
For Up To 25, Add	1.83	
For >25 To 50, Add	1.01	
For >50 To 150, Add	0.29	
03 37 13 00-0005 SF 4" Thick Shotcrete, Fiber Reinforced	16.06	
For Up To 25, Add	2.31	
For >25 To 50, Add	1.27	
For >50 To 150, Add	0.35	
03 37 13 00-0006 SF 6" Thick Shotcrete, Fiber Reinforced	22.77	
For Up To 25, Add	3.13	
For >25 To 50, Add	1.71	
For >50 To 150, Add	0.43	

03 37 13 00-0007 Gunite (Dry Mix Shotcrete), Sprayed (03 37 13)

See CSI section 03 22 11 00-0001 for wire mesh reinforcing.

03 37 13 00-0008 SF 1" Thick Gunite (Dry Mix Shotcrete), Sprayed	4.15	
For Radius Or Irregular Surface, Add	0.88	
For Up To 25, Add	0.75	
For >25 To 50, Add	0.43	
For >50 To 150, Add	0.17	
03 37 13 00-0009 SF 2" Thick Gunite (Dry Mix Shotcrete), Sprayed	7.85	
For Radius Or Irregular Surface, Add	1.59	
For Up To 25, Add	1.38	
For >25 To 50, Add	0.79	
For >50 To 150, Add	0.30	



Concrete	03	03
Cast-In-Place Concrete	03 30	
Specialty Placed Concrete	03 37	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 37 13 00-0010 SF 3" Thick Gunite (Dry Mix Shotcrete), Sprayed	11.16	
For Radius Or Irregular Surface, Add	2.14	
For Up To 25, Add	1.92	
For >25 To 50, Add	1.09	
For >50 To 150, Add	0.40	
03 37 13 00-0011 SF 4" Thick Gunite (Dry Mix Shotcrete), Sprayed	14.18	
For Radius Or Irregular Surface, Add	2.57	
For Up To 25, Add	2.38	
For >25 To 50, Add	1.35	
For >50 To 150, Add	0.48	
03 37 13 00-0012 SF 5" Thick Gunite (Dry Mix Shotcrete), Sprayed	16.92	
For Radius Or Irregular Surface, Add	2.89	
For Up To 25, Add	2.78	
For >25 To 50, Add	1.57	
For >50 To 150, Add	0.54	
03 37 13 00-0013 SF 6" Thick Gunite (Dry Mix Shotcrete), Sprayed	19.44	
For Radius Or Irregular Surface, Add	3.12	
For Up To 25, Add	3.12	
For >25 To 50, Add	1.75	
For >50 To 150, Add	0.59	
03 37 13 00-0014 SF 8" Thick Gunite (Dry Mix Shotcrete), Sprayed	24.87	
For Radius Or Irregular Surface, Add	3.75	
For Up To 25, Add	3.89	
For >25 To 50, Add	2.18	
For >50 To 150, Add	0.70	
03 37 13 00-0015 SF 10" Thick Gunite (Dry Mix Shotcrete), Sprayed	29.92	
For Radius Or Irregular Surface, Add	4.22	
For Up To 25, Add	4.57	
For >25 To 50, Add	2.55	
For >50 To 150, Add	0.79	
03 37 13 00-0016 SF 12" Thick Gunite (Dry Mix Shotcrete), Sprayed	34.64	
For Radius Or Irregular Surface, Add	4.55	
For Up To 25, Add	5.17	
For >25 To 50, Add	2.87	
For >50 To 150, Add	0.85	

03 37 16 Pumped Concrete (03 37)

03 37 16 00-0001 Concrete Pumping With Boom Truck (03 37 16)

Note: Includes truck rental, operator, and local travel delivery. For delivery/set-up of equipment add one hour, for clean-up of equipment add one hour. Use four hours as the minimum cost including set-up and clean-up. Excludes concrete, use "Concrete Pump" concrete tasks from appropriate section to place into pump hopper and place concrete. Sizes are measured at a 30 degree vertical reach. See CSI section 03 31 13 00-0010 for concrete placement.

03 37 16 00-0002 HR 55' To 60' Boom Truck For Concrete Placement (95 CY Per Hour Rating)	168.87
03 37 16 00-0003 HR 70' To 80' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	181.43
03 37 16 00-0004 HR 90' To 100' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	226.79
03 37 16 00-0005 HR 105' To 115' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	255.03
03 37 16 00-0006 HR 120' To 130' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	284.18
03 37 16 00-0007 HR 135' To 140' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	345.90
03 37 16 00-0008 HR 148' To 155' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	382.73
03 37 16 00-0009 HR 170' To 175' Boom Truck For Concrete Placement (182 CY Per Hour Rating)	471.92
03 37 16 00-0010 HR 35 CY/HR, 66 HP Trailer Mounted Concrete Pump	118.27

Note: Includes hoses

03 39 Concrete Curing (03 39)

03 39 13 Water Concrete Curing (03 39)

03 39 13 00-0001 Water Concrete Curing (03 39 13)

03 39 13 00-0002 SF Water Based Curing, Sealing, Hardening And Dustproofing Compound	0.24
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Note: Coverage rates: rough finish = 300 SF/GAL, broom finish = 300 to 400 SF/GAL, steel troweled = 500 to 600 SF/GAL, and vertical surface = 400 - 500 SF/GAL.

03 39 23 Membrane Concrete Curing (03 39)

03 39 23 23 Sheet Membrane Concrete Curing (03 39 23)

03 39 23 23-0001 Concrete Curing Materials And Compounds (03 39 23 23)

03 39 23 23-0002 CSF 7.5 Oz Burlap, Concrete Curing Blanket	31.73
03 39 23 23-0003 CSF 9 Oz Burlap, Concrete Curing Blanket	30.85
03 39 23 23-0004 CSF 12 Oz Burlap, Concrete Curing Blanket	34.32
03 39 23 23-0005 CSF 2 Ply Reinforced, Concrete Curing Waterproof Paper	31.56

03 40 Precast Concrete (03)

Note: Precast concrete material prices are based on a precast operation producing large quantities of precast products. Material prices include the concrete panel, delivery to construction site and overhead/mobilization charges for the precast plant.

03 41 Precast Structural Concrete (03 40)

03	Concrete
03 40	Precast Concrete
03 41	Precast Structural Concrete



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 41 16 Precast Concrete Slabs (03 41)

03 41 16 00-0001 Flat Floor Slab/Floor Plank (03 41 16)

03 41 16 00-0002 Erection Costs For Using A 90 Ton Crawler Crane (03 41 16 00-0001)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 16 00-0003	EA	Erect Precast Floor Deck, 0-2 Ton/Piece 150' Maximum Radius With 90 Ton Crane.....	284.55	227.66
03 41 16 00-0004	EA	Erect Precast Floor Deck, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	316.32	253.01
03 41 16 00-0005	EA	Erect Precast Floor Deck, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane.....	335.88	268.69
03 41 16 00-0006	EA	Erect Precast Floor Deck, 4-5 Ton/Piece 88' Maximum Radius With 90 Ton Crane.....	356.08	284.88
03 41 16 00-0007	EA	Erect Precast Floor Deck, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane.....	381.07	304.83
03 41 16 00-0008	EA	Erect Precast Floor Deck, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	407.26	325.81
03 41 16 00-0009	EA	Erect Precast Floor Deck, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane.....	437.33	349.84
03 41 16 00-0010	EA	Erect Precast Floor Deck, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	475.63	380.49
03 41 16 00-0011	EA	Erect Precast Floor Deck, 9-10 Ton/Piece 60' Maximum Radius With 90 Ton Crane.....	517.15	413.78

03 41 16 00-0012 Material Cost (03 41 16 00-0001)

Note: Includes cost for 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations cost.

03 41 16 00-0013	SF	4" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	21.44	
		For 3,500 PSI Concrete, Add	0.43	
		For 4,000 PSI Concrete, Add	0.64	
		For 4,500 PSI Concrete, Add	0.86	
		For 5,000 PSI Concrete, Add	1.29	
03 41 16 00-0014	SF	5" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	25.72	
		For 3,500 PSI Concrete, Add	0.51	
		For 4,000 PSI Concrete, Add	0.77	
		For 4,500 PSI Concrete, Add	1.03	
		For 5,000 PSI Concrete, Add	1.54	
03 41 16 00-0015	SF	6" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	31.44	
		For 3,500 PSI Concrete, Add	0.63	
		For 4,000 PSI Concrete, Add	0.94	
		For 4,500 PSI Concrete, Add	1.26	
		For 5,000 PSI Concrete, Add	1.89	
03 41 16 00-0016	SF	8" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	41.73	
		For 3,500 PSI Concrete, Add	0.83	
		For 4,000 PSI Concrete, Add	1.25	
		For 4,500 PSI Concrete, Add	1.67	
		For 5,000 PSI Concrete, Add	2.50	

03 41 16 00-0017 Floor Units, Combination Beam And Slab (03 41 16)

03 41 16 00-0018 Erection Costs For Using 90 Ton Crawler Crane (03 41 16 00-0017)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 16 00-0019	EA	Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 88' Maximum Radius With 90 Ton Crane	351.30	281.02
03 41 16 00-0020	EA	Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 60' Maximum Radius With 90 Ton Crane	382.89	306.35
03 41 16 00-0021	EA	Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 43' Maximum Radius With 90 Ton Crane.....	423.20	338.51
03 41 16 00-0022	EA	Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 36' Maximum Radius With 90 Ton Crane.....	469.92	375.91
03 41 16 00-0023	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 31' Maximum Radius With 90 Ton Crane.....	528.23	422.54

03 41 16 00-0024 Erection Costs Using A 125 Ton Crawler Crane (03 41 16 00-0017)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 16 00-0025	EA	Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 110' Maximum Radius, 125 Ton Crane.....	439.12	351.32
03 41 16 00-0026	EA	Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 75' Maximum Radius, 125 Ton Crane.....	478.63	382.87
03 41 16 00-0027	EA	Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 55' Maximum Radius, 125 Ton Crane.....	529.01	423.24
03 41 16 00-0028	EA	Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 50' Maximum Radius, 125 Ton Crane.....	587.40	469.94
03 41 16 00-0029	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 40' Maximum Radius, 125 Ton Crane.....	660.29	528.29
03 41 16 00-0030	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 33' Maximum Radius, 125 Ton Crane.....	717.94	574.31
03 41 16 00-0031	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 30' Maximum Radius, 125 Ton Crane.....	793.51	634.81
03 41 16 00-0032	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 28' Maximum Radius, 125 Ton Crane.....	878.25	702.65
03 41 16 00-0033	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 26' Maximum Radius, 125 Ton Crane.....	994.07	795.26

03 41 16 00-0034 Material Cost (03 41 16 00-0017)

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operation.

03 41 16 00-0035 4" Slab (03 41 16 00-0034)

03 41 16 00-0036	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	2,257.84	
		For 3,500 PSI Concrete, Add	45.16	
		For 4,000 PSI Concrete, Add	67.74	
		For 4,500 PSI Concrete, Add	90.31	
		For 5,000 PSI Concrete, Add	135.47	
03 41 16 00-0037	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	2,286.42	
		For 3,500 PSI Concrete, Add	45.73	
		For 4,000 PSI Concrete, Add	68.59	
		For 4,500 PSI Concrete, Add	91.46	
		For 5,000 PSI Concrete, Add	137.19	



Concrete	03	03
Precast Concrete	03 40	
Precast Structural Concrete	03 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 16 00-0038 CY Precast Combination Deck, 4" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	2,572.23	
For 3,500 PSI Concrete, Add	51.44	
For 4,000 PSI Concrete, Add	77.17	
For 4,500 PSI Concrete, Add	102.89	
For 5,000 PSI Concrete, Add	154.33	
03 41 16 00-0039 5" Slab (03 41 16 00-0034)		
03 41 16 00-0040 CY Precast Combination Deck, 5" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	2,315.00	
For 3,500 PSI Concrete, Add	46.30	
For 4,000 PSI Concrete, Add	69.45	
For 4,500 PSI Concrete, Add	92.60	
For 5,000 PSI Concrete, Add	138.90	
03 41 16 00-0041 CY Precast Combination Deck, 5" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	2,400.74	
For 3,500 PSI Concrete, Add	48.01	
For 4,000 PSI Concrete, Add	72.02	
For 4,500 PSI Concrete, Add	96.03	
For 5,000 PSI Concrete, Add	144.04	
03 41 16 00-0042 CY Precast Combination Deck, 5" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	3,058.09	
For 3,500 PSI Concrete, Add	61.16	
For 4,000 PSI Concrete, Add	91.74	
For 4,500 PSI Concrete, Add	122.32	
For 5,000 PSI Concrete, Add	183.49	
03 41 16 00-0043 6" Slab (03 41 16 00-0034)		
03 41 16 00-0044 CY Precast Combination Deck, 6" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	2,400.74	
For 3,500 PSI Concrete, Add	48.01	
For 4,000 PSI Concrete, Add	72.02	
For 4,500 PSI Concrete, Add	96.03	
For 5,000 PSI Concrete, Add	144.04	
03 41 16 00-0045 CY Precast Combination Deck, 6" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	2,858.03	
For 3,500 PSI Concrete, Add	57.16	
For 4,000 PSI Concrete, Add	85.74	
For 4,500 PSI Concrete, Add	114.32	
For 5,000 PSI Concrete, Add	171.48	
03 41 16 00-0046 CY Precast Combination Deck, 6" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	3,486.79	
For 3,500 PSI Concrete, Add	69.74	
For 4,000 PSI Concrete, Add	104.60	
For 4,500 PSI Concrete, Add	139.47	
For 5,000 PSI Concrete, Add	209.21	
03 41 19 Precast Concrete Wall Panels (03 41)		
03 41 19 00-0001 Structural Wall Panels (03 41 19)		
Note: Gray, smooth form or board finish one side.		
03 41 19 00-0002 Erection Cost Using 50 Ton Hydraulic Crane (03 41 19 00-0001)		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0003 EA Erect Precast Wall Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	282.20	225.78
03 41 19 00-0004 EA Erect Precast Wall Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	313.70	250.92
03 41 19 00-0005 EA Erect Precast Wall Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	353.13	282.52
03 41 19 00-0006 EA Erect Precast Wall Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	377.91	302.31
03 41 19 00-0007 EA Erect Precast Wall Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	403.89	323.12
03 41 19 00-0008 EA Erect Precast Wall Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane.....	433.71	346.94
03 41 19 00-0009 EA Erect Precast Wall Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	471.69	377.34
03 41 19 00-0010 EA Erect Precast Wall Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane.....	512.87	410.35
03 41 19 00-0011 Erection Cost Using 90 Ton Crawler Crane (03 41 19 00-0001)		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0012 EA Erect Precast Wall Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane.....	316.02	252.78
03 41 19 00-0013 EA Erect Precast Wall Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	351.30	281.02
03 41 19 00-0014 EA Erect Precast Wall Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	395.45	316.41
03 41 19 00-0015 EA Erect Precast Wall Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	423.20	338.51
03 41 19 00-0016 EA Erect Precast Wall Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	452.29	361.84
03 41 19 00-0017 EA Erect Precast Wall Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane.....	485.68	388.57
03 41 19 00-0018 EA Erect Precast Wall Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane.....	528.23	422.54
03 41 19 00-0019 EA Erect Precast Wall Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane.....	574.34	459.43
03 41 19 00-0020 EA Erect Precast Wall Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane.....	634.80	507.88
03 41 19 00-0021 EA Erect Precast Wall Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane.....	702.59	562.05
03 41 19 00-0022 EA Erect Precast Wall Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane.....	795.25	636.23
03 41 19 00-0023 EA Erect Precast Wall Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane.....	904.60	723.67
03 41 19 00-0024 EA Erect Precast Wall Panel 35-40 Ton/Piece 23' Maximum Radius With 90 Ton Crane.....	1,048.80	839.06
03 41 19 00-0025 Material Cost (03 41 19 00-0001)		
Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.		

03 Concrete**03 40 Precast Concrete****03 41 Precast Structural Concrete**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0026	SF		4" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	28.58	
			<i>For 3,500 PSI Concrete, Add</i>	0.57	
			<i>For 4,000 PSI Concrete, Add</i>	0.86	
			<i>For 4,500 PSI Concrete, Add</i>	1.14	
			<i>For 5,000 PSI Concrete, Add</i>	1.71	
			<i>For White Facing, Add</i>	5.72	
			<i>For Solid White Through Thickness, Add</i>	5.72	
			<i>For Broken Rib Finish, Add</i>	2.86	
			<i>For Fluted Surface, Add</i>	2.86	
			<i>For Exposed Aggregate, Add</i>	5.72	
			<i>For Sandblasting Of Surface, Add</i>	2.86	
			<i>For 2" Polystyrene Insulation, Add</i>	1.15	
03 41 19 00-0027	SF		5" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	35.15	
			<i>For 3,500 PSI Concrete, Add</i>	0.70	
			<i>For 4,000 PSI Concrete, Add</i>	1.05	
			<i>For 4,500 PSI Concrete, Add</i>	1.41	
			<i>For 5,000 PSI Concrete, Add</i>	2.11	
			<i>For White Facing, Add</i>	7.03	
			<i>For Solid White Through Thickness, Add</i>	7.03	
			<i>For Broken Rib Finish, Add</i>	3.52	
			<i>For Fluted Surface, Add</i>	3.52	
			<i>For Exposed Aggregate, Add</i>	7.03	
			<i>For Sandblasting Of Surface, Add</i>	3.52	
			<i>For 2" Polystyrene Insulation, Add</i>	1.15	
03 41 19 00-0028	SF		6" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	42.30	
			<i>For 3,500 PSI Concrete, Add</i>	0.85	
			<i>For 4,000 PSI Concrete, Add</i>	1.27	
			<i>For 4,500 PSI Concrete, Add</i>	1.69	
			<i>For 5,000 PSI Concrete, Add</i>	2.54	
			<i>For White Facing, Add</i>	8.46	
			<i>For Solid White Through Thickness, Add</i>	8.46	
			<i>For Broken Rib Finish, Add</i>	4.23	
			<i>For Fluted Surface, Add</i>	4.23	
			<i>For Exposed Aggregate, Add</i>	8.46	
			<i>For Sandblasting Of Surface, Add</i>	4.23	
			<i>For 2" Polystyrene Insulation, Add</i>	1.15	
03 41 19 00-0029	SF		8" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	55.73	
			<i>For 3,500 PSI Concrete, Add</i>	1.11	
			<i>For 4,000 PSI Concrete, Add</i>	1.67	
			<i>For 4,500 PSI Concrete, Add</i>	2.23	
			<i>For 5,000 PSI Concrete, Add</i>	3.34	
			<i>For White Facing, Add</i>	11.15	
			<i>For Solid White Through Thickness, Add</i>	11.15	
			<i>For Broken Rib Finish, Add</i>	5.57	
			<i>For Fluted Surface, Add</i>	5.57	
			<i>For Exposed Aggregate, Add</i>	11.15	
			<i>For Sandblasting Of Surface, Add</i>	5.57	
			<i>For 2" Polystyrene Insulation, Add</i>	1.15	
03 41 19 00-0030			Partition Panels <small>(03 41 19)</small>		
03 41 19 00-0031			Erection Costs Using 20 Ton Hydraulic Crane <small>(03 41 19 00-0030)</small>		
			Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0032	EA		Erect Precast Partition Wall 0-1 Ton/Piece 69' Maximum Radius With 20 Ton Crane.....	229.32	183.43
03 41 19 00-0033	EA		Erect Precast Partition Wall 1-2 Ton/Piece 50' Maximum Radius With 20 Ton Crane.....	254.93	203.97
03 41 19 00-0034	EA		Erect Precast Partition Wall 2-3 Ton/Piece 41' Maximum Radius With 20 Ton Crane.....	286.97	229.56
03 41 19 00-0035	EA		Erect Precast Partition Wall 3-4 Ton/Piece 33' Maximum Radius With 20 Ton Crane.....	328.22	262.58
03 41 19 00-0036	EA		Erect Precast Partition Wall 4-5 Ton/Piece 30' Maximum Radius With 20 Ton Crane.....	352.45	281.98
03 41 19 00-0037	EA		Erect Precast Partition Wall 5-6 Ton/Piece 26' Maximum Radius With 20 Ton Crane.....	383.33	306.65
03 41 19 00-0038	EA		Erect Precast Partition Wall 6-7 Ton/Piece 23' Maximum Radius With 20 Ton Crane.....	416.79	333.47
03 41 19 00-0039	EA		Erect Precast Partition Wall 7-8 Ton/Piece 20' Maximum Radius With 20 Ton Crane.....	460.66	368.55
03 41 19 00-0040			Erection Costs Using 50 Ton Hydraulic Crane <small>(03 41 19 00-0030)</small>		
			Note: Includes handling, hoisting in place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0041	EA		Erect Precast Partition Wall 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	282.20	225.78
03 41 19 00-0042	EA		Erect Precast Partition Wall 1-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane.....	313.70	250.92
03 41 19 00-0043	EA		Erect Precast Partition Wall 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	353.13	282.52
03 41 19 00-0044	EA		Erect Precast Partition Wall 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane.....	403.89	323.12
03 41 19 00-0045	EA		Erect Precast Partition Wall 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	433.71	346.94
03 41 19 00-0046	EA		Erect Precast Partition Wall 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane.....	471.69	377.34
03 41 19 00-0047	EA		Erect Precast Partition Wall 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	512.87	410.35
03 41 19 00-0048	EA		Erect Precast Partition Wall 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane.....	566.87	453.47
03 41 19 00-0049	EA		Erect Precast Partition Wall 8-10 Ton/Piece 31' Maximum Radius With 50 Ton Crane.....	627.40	501.93
03 41 19 00-0050	EA		Erect Precast Partition Wall 10-12 Ton/Piece 26' Maximum Radius With 50 Ton Crane.....	710.14	568.07
03 41 19 00-0051	EA		Erect Precast Partition Wall 12-14 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	807.78	646.22
03 41 19 00-0052	EA		Erect Precast Partition Wall 14-16 Ton/Piece 21' Maximum Radius With 50 Ton Crane.....	936.55	749.22
03 41 19 00-0053			Material Cost <small>(03 41 19 00-0030)</small>		
			Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.		



Concrete	03	03
Precast Concrete	03 40	
Precast Structural Concrete	03 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0054 SF 4" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	27.15	
For 4,000 PSI Concrete, Add	0.81	
For 4,500 PSI Concrete, Add	1.09	
For 5,000 PSI Concrete, Add	1.63	
For White Facing, Add	5.43	
For Solid White Through Thickness, Add	5.43	
For Broken Rib Finish, Add	2.72	
For Fluted Surface, Add	2.72	
For Exposed Aggregate, Add	5.43	
For Sandblasting Of Surface, Add	2.72	
03 41 19 00-0055 SF 5" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	33.44	
For 4,000 PSI Concrete, Add	1.00	
For 4,500 PSI Concrete, Add	1.34	
For 5,000 PSI Concrete, Add	2.01	
For White Facing, Add	6.69	
For Solid White Through Thickness, Add	6.69	
For Broken Rib Finish, Add	3.34	
For Fluted Surface, Add	3.34	
For Exposed Aggregate, Add	6.69	
For Sandblasting Of Surface, Add	3.34	
03 41 19 00-0056 SF 6" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	40.01	
For 4,000 PSI Concrete, Add	1.20	
For 4,500 PSI Concrete, Add	1.60	
For 5,000 PSI Concrete, Add	2.40	
For White Facing, Add	8.00	
For Solid White Through Thickness, Add	8.00	
For Broken Rib Finish, Add	4.00	
For Fluted Surface, Add	4.00	
For Exposed Aggregate, Add	8.00	
For Sandblasting Of Surface, Add	4.00	
03 41 19 00-0057 SF 8" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	52.87	
For 4,000 PSI Concrete, Add	1.59	
For 4,500 PSI Concrete, Add	2.11	
For 5,000 PSI Concrete, Add	3.17	
For White Facing, Add	10.57	
For Solid White Through Thickness, Add	10.57	
For Broken Rib Finish, Add	5.29	
For Fluted Surface, Add	5.29	
For Exposed Aggregate, Add	10.57	
For Sandblasting Of Surface, Add	5.29	
03 41 19 00-0058 Cladding Panels (03 41 19)		
03 41 19 00-0059 Erection Costs Using 50 Ton Hydraulic Crane (03 41 19 00-0058)		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0060 EA Erect Precast Cladding 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	297.80	238.20
03 41 19 00-0061 EA Erect Precast Cladding 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	333.10	266.47
03 41 19 00-0062 EA Erect Precast Cladding 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	377.91	302.31
03 41 19 00-0063 EA Erect Precast Cladding 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	403.89	323.12
03 41 19 00-0064 EA Erect Precast Cladding 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	433.71	346.94
03 41 19 00-0065 EA Erect Precast Cladding 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane.....	471.69	377.34
03 41 19 00-0066 EA Erect Precast Cladding 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	512.87	410.35
03 41 19 00-0067 EA Erect Precast Cladding 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane.....	566.87	453.47
03 41 19 00-0068 Erection Costs Using 90 Ton Crawler Crane (03 41 19 00-0058)		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0069 EA Erect Precast Cladding 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane.....	333.49	266.75
03 41 19 00-0070 EA Erect Precast Cladding 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	373.03	298.41
03 41 19 00-0071 EA Erect Precast Cladding 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	423.20	338.51
03 41 19 00-0072 EA Erect Precast Cladding 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	452.29	361.84
03 41 19 00-0073 EA Erect Precast Cladding 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	485.68	388.57
03 41 19 00-0074 EA Erect Precast Cladding 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane.....	528.23	422.54
03 41 19 00-0075 EA Erect Precast Cladding 11-13 Ton/Piece 90' Maximum Radius With 90 Ton Crane.....	574.34	459.43
03 41 19 00-0076 EA Erect Precast Cladding 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane.....	634.80	507.88
03 41 19 00-0077 EA Erect Precast Cladding 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane.....	702.59	562.05
03 41 19 00-0078 EA Erect Precast Cladding 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane.....	795.25	636.23
03 41 19 00-0079 EA Erect Precast Cladding 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane.....	904.60	723.67
03 41 19 00-0080 EA Erect Precast Cladding 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane.....	1,048.80	839.06
03 41 19 00-0081 Material Cost (03 41 19 00-0058)		
Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.		

03 Concrete**03 40 Precast Concrete****03 41 Precast Structural Concrete**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0082	SF		4" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	27.15	
			For 3,500 PSI Concrete, Add	0.54	
			For 4,000 PSI Concrete, Add	0.81	
			For 4,500 PSI Concrete, Add	1.09	
			For 5,000 PSI Concrete, Add	1.63	
			For White Facing, Add	5.43	
			For Solid White Through Thickness, Add	5.43	
			For Broken Rib Finish, Add	2.72	
			For Fluted Surface, Add	2.72	
			For Exposed Aggregate, Add	5.43	
			For Sandblasting Of Surface, Add	2.72	
03 41 19 00-0083	SF		5" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	33.44	
			For 3,500 PSI Concrete, Add	0.67	
			For 4,000 PSI Concrete, Add	1.00	
			For 4,500 PSI Concrete, Add	1.34	
			For 5,000 PSI Concrete, Add	2.01	
			For White Facing, Add	6.69	
			For Solid White Through Thickness, Add	6.69	
			For Broken Rib Finish, Add	3.34	
			For Fluted Surface, Add	3.34	
			For Exposed Aggregate, Add	6.69	
			For Sandblasting Of Surface, Add	3.34	
03 41 19 00-0084	SF		6" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	40.01	
			For 3,500 PSI Concrete, Add	0.80	
			For 4,000 PSI Concrete, Add	1.20	
			For 4,500 PSI Concrete, Add	1.60	
			For 5,000 PSI Concrete, Add	2.40	
			For White Facing, Add	8.00	
			For Solid White Through Thickness, Add	8.00	
			For Broken Rib Finish, Add	4.00	
			For Fluted Surface, Add	4.00	
			For Exposed Aggregate, Add	8.00	
			For Sandblasting Of Surface, Add	4.00	
03 41 19 00-0085	SF		8" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	52.87	
			For 3,500 PSI Concrete, Add	1.06	
			For 4,000 PSI Concrete, Add	1.59	
			For 4,500 PSI Concrete, Add	2.11	
			For 5,000 PSI Concrete, Add	3.17	
			For White Facing, Add	10.57	
			For Solid White Through Thickness, Add	10.57	
			For Broken Rib Finish, Add	5.29	
			For Fluted Surface, Add	5.29	
			For Exposed Aggregate, Add	10.57	
			For Sandblasting Of Surface, Add	5.29	
03 41 19 00-0086			Sandwich Panel <small>(03 41 19)</small>		
03 41 19 00-0087			Erection Costs Using 50 Ton Hydraulic Crane <small>(03 41 19 00-0086)</small>		
			Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0088	EA		Erect Precast Sandwich Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	297.80	238.20
03 41 19 00-0089	EA		Erect Precast Sandwich Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	333.10	266.69
03 41 19 00-0090	EA		Erect Precast Sandwich Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	377.91	302.31
03 41 19 00-0091	EA		Erect Precast Sandwich Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	403.89	323.12
03 41 19 00-0092	EA		Erect Precast Sandwich Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	433.71	346.94
03 41 19 00-0093	EA		Erect Precast Sandwich Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane	471.69	377.34
03 41 19 00-0094	EA		Erect Precast Sandwich Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane	512.87	410.35
03 41 19 00-0095	EA		Erect Precast Sandwich Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane	566.87	453.47
03 41 19 00-0096			Erection Costs Using 90 Ton Crawler Crane <small>(03 41 19 00-0086)</small>		
			Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0097	EA		Erect Precast Sandwich Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane	300.28	240.19
03 41 19 00-0098	EA		Erect Precast Sandwich Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	335.88	268.69
03 41 19 00-0099	EA		Erect Precast Sandwich Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	381.07	304.83
03 41 19 00-0100	EA		Erect Precast Sandwich Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	407.26	325.81
03 41 19 00-0101	EA		Erect Precast Sandwich Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	437.33	349.84
03 41 19 00-0102	EA		Erect Precast Sandwich Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	475.63	380.49
03 41 19 00-0103	EA		Erect Precast Sandwich Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	517.15	413.78
03 41 19 00-0104	EA		Erect Precast Sandwich Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	571.60	457.25
03 41 19 00-0105	EA		Erect Precast Sandwich Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane	632.63	506.12
03 41 19 00-0106	EA		Erect Precast Sandwich Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane	716.07	572.81
03 41 19 00-0107	EA		Erect Precast Sandwich Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane	814.52	651.61
03 41 19 00-0108	EA		Erect Precast Sandwich Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	944.37	755.47
03 41 19 00-0109			Material Cost <small>(03 41 19 00-0086)</small>		
			Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations. Sandwich panel consists of 2.5" cladding panel, 2" fiber board insulation and the structural panel as defined.		



	Concrete	03	03
	Precast Concrete	03 40	
	Precast Structural Concrete	03 41	

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST
03 41 19 00-0110 SF 4" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	37.15	
For 3,500 PSI Concrete, Add	0.74	
For 4,000 PSI Concrete, Add	1.11	
For 4,500 PSI Concrete, Add	1.49	
For 5,000 PSI Concrete, Add	2.23	
For White Facing, Add	7.43	
For Solid White Through Thickness, Add	7.43	
For Broken Rib Finish, Add	3.72	
For Fluted Surface, Add	3.72	
For Exposed Aggregate, Add	7.43	
For Sandblasting Of Surface, Add	3.72	
03 41 19 00-0111 SF 5" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	43.73	
For 3,500 PSI Concrete, Add	0.87	
For 4,000 PSI Concrete, Add	1.31	
For 4,500 PSI Concrete, Add	1.75	
For 5,000 PSI Concrete, Add	2.62	
For White Facing, Add	8.75	
For Solid White Through Thickness, Add	8.75	
For Broken Rib Finish, Add	4.37	
For Fluted Surface, Add	4.37	
For Exposed Aggregate, Add	8.75	
For Sandblasting Of Surface, Add	4.37	
03 41 19 00-0112 SF 6" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	50.87	
For 3,500 PSI Concrete, Add	1.02	
For 4,000 PSI Concrete, Add	1.53	
For 4,500 PSI Concrete, Add	2.03	
For 5,000 PSI Concrete, Add	3.05	
For White Facing, Add	10.17	
For Solid White Through Thickness, Add	10.17	
For Broken Rib Finish, Add	5.09	
For Fluted Surface, Add	5.09	
For Exposed Aggregate, Add	10.17	
For Sandblasting Of Surface, Add	5.09	
03 41 19 00-0113 SF 8" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	64.31	
For 3,500 PSI Concrete, Add	1.29	
For 4,000 PSI Concrete, Add	1.93	
For 4,500 PSI Concrete, Add	2.57	
For 5,000 PSI Concrete, Add	3.86	
For White Facing, Add	12.86	
For Solid White Through Thickness, Add	12.86	
For Broken Rib Finish, Add	6.43	
For Fluted Surface, Add	6.43	
For Exposed Aggregate, Add	12.86	
For Sandblasting Of Surface, Add	6.43	

03 41 23 Precast Concrete Stairs (03 41)

03 41 23 00-0001	Erection Costs Using A 50 Ton Hydraulic Crane (03 41 23)		
	Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 23 00-0002	EA Erect Precast Stairs, 0-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane.....	313.70	250.92
03 41 23 00-0003	EA Erect Precast Stairs, 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	333.10	266.47
03 41 23 00-0004	EA Erect Precast Stairs, 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane.....	353.13	282.52
03 41 23 00-0005	EA Erect Precast Stairs, 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	377.91	302.31
03 41 23 00-0006	EA Erect Precast Stairs, 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane.....	403.89	323.12
03 41 23 00-0007	EA Erect Precast Stairs, 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	433.71	346.94
03 41 23 00-0008	EA Erect Precast Stairs, 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane.....	471.69	377.34
03 41 23 00-0009	EA Erect Precast Stairs, 8-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	512.87	410.35

03 41 23 00-0010 Erection Costs Using A 90 Ton Crawler Crane (03 41 23)

	Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 23 00-0011	EA Erect Precast Stairs, 0-2 Ton/Piece 151' Maximum Radius With 90 Ton Crane.....	313.70	250.92
03 41 23 00-0012	EA Erect Precast Stairs, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	333.10	266.47
03 41 23 00-0013	EA Erect Precast Stairs, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane.....	353.13	282.52
03 41 23 00-0014	EA Erect Precast Stairs, 4-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	377.91	302.31
03 41 23 00-0015	EA Erect Precast Stairs, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane.....	403.89	323.12
03 41 23 00-0016	EA Erect Precast Stairs, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	433.71	346.94
03 41 23 00-0017	EA Erect Precast Stairs, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane.....	471.69	377.34
03 41 23 00-0018	EA Erect Precast Stairs, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	512.87	410.35

03 41 23 00-0019 Material Cost (03 41 23)

	Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast operations.		
03 41 23 00-0020	EA 3' Wide With 10-1/2" Depth Treads Precast Concrete Stair Unit, Per Riser.....	572.78	
	For 3,500 PSI Concrete, Add	74.75	
	For 4,000 PSI Concrete, Add	140.45	
	For 4,500 PSI Concrete, Add	206.43	
	For 5,000 PSI Concrete, Add	280.83	

03 41 26 Precast Concrete Structural Sections (03 41)

03 Concrete**03 40 Precast Concrete****03 41 Precast Structural Concrete**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 26 00-0001			Precast Beams, Girder And Joists <small>(03 41 26)</small>		
03 41 26 00-0002			Erection Costs Using A 90 Ton Crawler Crane <small>(03 41 26 00-0001)</small> Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0003	EA		Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 89' Maximum Radius, 90 Ton Crane	395.45	316.41
03 41 26 00-0004	EA		Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 60' Maximum Radius, 90 Ton Crane	423.20	338.51
03 41 26 00-0005	EA		Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 43' Maximum Radius, 90 Ton Crane.....	452.29	361.84
03 41 26 00-0006	EA		Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 36' Maximum Radius, 90 Ton Crane.....	485.68	388.57
03 41 26 00-0007			Erection Costs Using A 125 Ton Crawler Crane <small>(03 41 26 00-0001)</small> Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0008	EA		Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 110' Maximum Radius, 125 Ton Crane.....	494.32	395.42
03 41 26 00-0009	EA		Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 75' Maximum Radius, 125 Ton Crane.....	529.01	423.24
03 41 26 00-0010	EA		Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 55' Maximum Radius, 125 Ton Crane.....	565.38	452.30
03 41 26 00-0011	EA		Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 50' Maximum Radius, 125 Ton Crane.....	607.11	485.65
03 41 26 00-0012	EA		Erect Precast Structural Sections, 20-25 Ton/Piece Beam, Girder, Joist; 40' Maximum Radius, 125 Ton Crane.....	660.29	528.29
03 41 26 00-0013	EA		Erect Precast Structural Sections, 25-30 Ton/Piece Beam, Girder, Joist; 33' Maximum Radius, 125 Ton Crane.....	717.94	574.31
03 41 26 00-0014	EA		Erect Precast Structural Sections, 30-35 Ton/Piece Beam, Girder, Joist; 30' Maximum Radius, 125 Ton Crane.....	793.51	634.81
03 41 26 00-0015	EA		Erect Precast Structural Sections, 35-40 Ton/Piece Beam, Girder, Joist; 28' Maximum Radius, 125 Ton Crane.....	878.25	702.65
03 41 26 00-0016			Material Cost <small>(03 41 26 00-0001)</small> Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.		
03 41 26 00-0017			1,000 LB/LF Live Load <small>(03 41 26 00-0016)</small>		
03 41 26 00-0018	LF		Precast Structural Sections, 1,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI.....	114.54	
			<i>For 3,500 PSI Concrete, Add</i>	3.13	
			<i>For 4,000 PSI Concrete, Add</i>	4.70	
			<i>For 4,500 PSI Concrete, Add</i>	6.25	
			<i>For 5,000 PSI Concrete, Add</i>	9.39	
03 41 26 00-0019	LF		Precast Structural Sections, 1,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI.....	143.17	
			<i>For 3,500 PSI Concrete, Add</i>	3.91	
			<i>For 4,000 PSI Concrete, Add</i>	5.87	
			<i>For 4,500 PSI Concrete, Add</i>	7.82	
			<i>For 5,000 PSI Concrete, Add</i>	11.74	
03 41 26 00-0020	LF		Precast Structural Sections, 1,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI.....	171.81	
			<i>For 3,500 PSI Concrete, Add</i>	4.69	
			<i>For 4,000 PSI Concrete, Add</i>	7.04	
			<i>For 4,500 PSI Concrete, Add</i>	9.38	
			<i>For 5,000 PSI Concrete, Add</i>	14.09	
03 41 26 00-0021			3,000 LB/LF Live Load <small>(03 41 26 00-0016)</small>		
03 41 26 00-0022	LF		Precast Structural Sections, 3,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI.....	143.17	
			<i>For 3,500 PSI Concrete, Add</i>	3.91	
			<i>For 4,000 PSI Concrete, Add</i>	5.87	
			<i>For 4,500 PSI Concrete, Add</i>	7.82	
			<i>For 5,000 PSI Concrete, Add</i>	11.74	
03 41 26 00-0023	LF		Precast Structural Sections, 3,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI.....	171.81	
			<i>For 3,500 PSI Concrete, Add</i>	4.69	
			<i>For 4,000 PSI Concrete, Add</i>	7.04	
			<i>For 4,500 PSI Concrete, Add</i>	9.38	
			<i>For 5,000 PSI Concrete, Add</i>	14.09	
03 41 26 00-0024	LF		Precast Structural Sections, 3,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI.....	229.08	
			<i>For 3,500 PSI Concrete, Add</i>	6.25	
			<i>For 4,000 PSI Concrete, Add</i>	9.39	
			<i>For 4,500 PSI Concrete, Add</i>	12.51	
			<i>For 5,000 PSI Concrete, Add</i>	18.78	
03 41 26 00-0025			5,000 LB/LF Live Load <small>(03 41 26 00-0016)</small>		
03 41 26 00-0026	LF		Precast Structural Sections, 5,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI.....	200.44	
			<i>For 3,500 PSI Concrete, Add</i>	5.47	
			<i>For 4,000 PSI Concrete, Add</i>	8.22	
			<i>For 4,500 PSI Concrete, Add</i>	10.94	
			<i>For 5,000 PSI Concrete, Add</i>	16.44	
03 41 26 00-0027	LF		Precast Structural Sections, 5,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI.....	229.08	
			<i>For 3,500 PSI Concrete, Add</i>	6.25	
			<i>For 4,000 PSI Concrete, Add</i>	9.39	
			<i>For 4,500 PSI Concrete, Add</i>	12.51	
			<i>For 5,000 PSI Concrete, Add</i>	18.78	
03 41 26 00-0028	LF		Precast Structural Sections, 5,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI.....	286.35	
			<i>For 3,500 PSI Concrete, Add</i>	7.82	
			<i>For 4,000 PSI Concrete, Add</i>	11.74	
			<i>For 4,500 PSI Concrete, Add</i>	15.63	
			<i>For 5,000 PSI Concrete, Add</i>	23.48	
03 41 26 00-0029			Precast Concrete Columns <small>(03 41 26)</small>		



	Concrete	03	
	Precast Concrete	03 40	03
	Precast Structural Concrete	03 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 26 00-0030 Erection Costs Using A 90 Ton Crawler Crane (03 41 26 00-0029) Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0031 EA Erect Precast Concrete Columns, 0-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	227.84	182.25
03 41 26 00-0032 EA Erect Precast Concrete Columns, 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	242.23	193.75
03 41 26 00-0033 EA Erect Precast Concrete Columns, 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	259.61	207.71
03 41 26 00-0034 EA Erect Precast Concrete Columns, 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	278.47	222.77
03 41 26 00-0035 EA Erect Precast Concrete Columns, 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	300.28	240.19
03 41 26 00-0036 EA Erect Precast Concrete Columns, 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	325.81	260.65
03 41 26 00-0037 EA Erect Precast Concrete Columns, 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	356.08	284.88
03 41 26 00-0038 Material Cost (03 41 26 00-0029) Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast operations.		
03 41 26 00-0039 12" x 12" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0040 CY 12" x 12" Precast Column, Tied, Average Reinforced 351 LB/CY	592.83	
For 3,500 PSI Concrete, Add	44.46	
For 4,000 PSI Concrete, Add	83.59	
For 4,500 PSI Concrete, Add	123.31	
For 5,000 PSI Concrete, Add	167.77	
03 41 26 00-0041 16" x 16" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0042 CY 16" x 16" Precast Column, Tied, Average Reinforced 368 LB/CY	607.47	
For 3,500 PSI Concrete, Add	45.56	
For 4,000 PSI Concrete, Add	85.65	
For 4,500 PSI Concrete, Add	126.35	
For 5,000 PSI Concrete, Add	171.91	
03 41 26 00-0043 20" x 20" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0044 CY 20" x 20" Precast Column, Tied, Average Reinforced 357 LB/CY	608.64	
For 3,500 PSI Concrete, Add	45.65	
For 4,000 PSI Concrete, Add	85.82	
For 4,500 PSI Concrete, Add	126.60	
For 5,000 PSI Concrete, Add	172.25	
03 41 26 00-0045 24" x 24" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0046 CY 24" x 24" Precast Column, Tied, Average Reinforced 365 LB/CY	608.64	
For 3,500 PSI Concrete, Add	45.65	
For 4,000 PSI Concrete, Add	85.82	
For 4,500 PSI Concrete, Add	126.60	
For 5,000 PSI Concrete, Add	172.25	
03 41 26 00-0047 28" x 28" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0048 CY 28" x 28" Precast Column, Tied, Average Reinforced 347 LB/CY	608.64	
For 3,500 PSI Concrete, Add	45.65	
For 4,000 PSI Concrete, Add	85.82	
For 4,500 PSI Concrete, Add	126.60	
For 5,000 PSI Concrete, Add	172.25	
03 41 26 00-0049 32" x 32" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0050 CY 32" x 32" Precast Column, Tied, Average Reinforced 351 LB/CY	607.47	
For 3,500 PSI Concrete, Add	45.56	
For 4,000 PSI Concrete, Add	85.65	
For 4,500 PSI Concrete, Add	126.35	
For 5,000 PSI Concrete, Add	171.91	
03 41 26 00-0051 36" x 36" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0052 CY 36" x 36" Precast Column, Tied, Average Reinforced 278 LB/CY	608.64	
For 3,500 PSI Concrete, Add	45.65	
For 4,000 PSI Concrete, Add	85.82	
For 4,500 PSI Concrete, Add	126.60	
For 5,000 PSI Concrete, Add	172.25	
03 41 33 Precast Structural Pretensioned Concrete (03 41)		
03 41 33 00-0001 Slabs, Roof And Floor Members (03 41 33)		
03 41 33 00-0002 SF 4" Thick Precast Prestressed Slab, 12-16' Span Roof/Floor.....	12.46	1.86
03 41 33 00-0003 SF 6" Thick Precast Prestressed Slab, 16-25' Span Roof/Floor.....	15.45	1.86
03 41 33 00-0004 SF 8" Thick Precast Prestressed Slab, 25-32' Span Roof/Floor.....	18.46	1.95
03 41 33 00-0005 SF 10" Thick Precast Prestressed Slab, 32-40' Span Roof/Floor.....	21.47	2.04
03 41 33 00-0006 Tee Members (03 41 33)		

03	Concrete
03 40	Precast Concrete
03 41	Precast Structural Concrete



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 33 00-0007 Multiple Tee, Roof And Floor <small>(03 41 33 00-0006)</small>		
03 41 33 00-0008 SF Prestressed Multiple Tee, Roof And Floor Members	27.66	2.41
03 41 33 00-0009 Double Tee Wall Member <small>(03 41 33 00-0006)</small>		
03 41 33 00-0010 SF Prestressed Double Tee Wall Members Precast Concrete, <40' Span.....	39.74	6.59
03 41 33 00-0011 Single Tee, Short Span, Roof Members <small>(03 41 33 00-0006)</small>		
03 41 33 00-0012 SF Prestressed Single Tee, Short Span Roof Precast Concrete Members, <40' Span.....	32.72	3.99
03 41 33 00-0013 Single Tee, Long Span, Roof Members <small>(03 41 33 00-0006)</small>		
03 41 33 00-0014 SF Prestressed Single Tee, Long Span Roof Precast Concrete Members, <40' Span	39.02	3.43
03 41 33 00-0015 Prestressed Concrete Items <small>(03 41 33)</small>		
03 41 33 00-0016 Prestressed Quad Tee <small>(03 41 33 00-0015)</small>		
03 41 33 00-0017 SF Tees, Prestressed Quad Tee, Short Spans, Roof.....	19.83	0.74
03 41 33 00-0018 SF Tees, Prestressed Quad Tee, Short Spans, Floor	20.69	0.74
03 41 33 00-0019 Prestressed Double Tee <small>(03 41 33 00-0015)</small>		
03 41 33 00-0020 SF Tees, Double Tee, Floor Members , 60' Span	32.87	0.65
03 41 33 00-0021 SF Tees, Double Tee, Floor Members , 80' Span	45.22	0.65
03 41 33 00-0022 SF Tees, Double Tee, Roof Members, 30' Span.....	22.55	1.11
03 41 33 00-0023 SF Tees, Double Tee, Roof Members, 50' Span.....	34.77	0.74
03 41 33 00-0024 SF Tees, Double Tee, Wall Members, Up To 55' High.....	24.49	1.49
03 41 33 00-0025 Prestressed Single Tee <small>(03 41 33 00-0015)</small>		
03 41 33 00-0026 SF Tees, Single Tee Roof Members, 40' Span	39.07	1.67
03 41 33 00-0027 SF Tees, Single Tee Roof Members, 80' Span	45.09	1.02
03 41 33 00-0028 SF Tees, Single Tee Roof Members, 100' Span	59.56	0.92
03 41 33 00-0029 SF Tees, Single Tee Roof Members, 120' Span	62.71	0.92
03 41 33 00-0030 Prestressed Double Tee Floor Members <small>(03 41 33 00-0015)</small>		
03 41 33 00-0031 EA Tees, Double Tees, Floor Members, Lightweight, 20" X 8' Wide, 45'	10,071.11	267.14
03 41 33 00-0032 EA Tees, Double Tees, Floor Members, Lightweight, 24" X 8' Wide, 50'	10,967.34	296.82
03 41 33 00-0033 EA Tees, Double Tees, Floor Members, Lightweight, 32" X 10' Wide, 60'	18,316.54	333.93
03 41 33 00-0034 EA Tees, Double Tees, Floor Members, Standard Weight, 12" X 8' Wide, 25'	3,969.37	242.93
03 41 33 00-0035 EA Tees, Double Tees, Floor Members, Standard Weight, 16" X 8' Wide, 25'	5,202.54	267.14
03 41 33 00-0036 EA Tees, Double Tees, Floor Members, Standard Weight, 18" X 8' Wide, 35'	6,634.47	267.14
03 41 33 00-0037 EA Tees, Double Tees, Floor Members, Standard Weight, 20" X 8' Wide, 45'	7,387.51	296.82
03 41 33 00-0038 EA Tees, Double Tees, Floor Members, Standard Weight, 24" X 8' Wide, 50'	9,438.54	333.93
03 41 33 00-0039 EA Tees, Double Tees, Floor Members, Standard Weight, 32" X 10' Wide, 60'	16,944.45	381.79
03 41 33 00-0040 Prestressed Double Tee Roof Members <small>(03 41 33 00-0015)</small>		
03 41 33 00-0041 EA Tees, Double Tees, Roof Members, Lightweight, 20" X 8' Wide, 45'	7,923.21	267.14
03 41 33 00-0042 EA Tees, Double Tees, Roof Members, Lightweight, 24" X 8' Wide, 50'	10,394.57	296.82
03 41 33 00-0043 EA Tees, Double Tees, Roof Members, Lightweight, 32" X 10' Wide, 60'	17,027.80	333.93
03 41 33 00-0044 EA Tees, Double Tees, Roof Members, Standard Weight, 12" X 8' Wide, 30'	5,315.39	242.93
03 41 33 00-0045 EA Tees, Double Tees, Roof Members, Standard Weight, 16" X 8' Wide, 30'	5,603.48	267.14
03 41 33 00-0046 EA Tees, Double Tees, Roof Members, Standard Weight, 18" X 8' Wide, 30'	6,204.89	267.14
03 41 33 00-0047 EA Tees, Double Tees, Roof Members, Standard Weight, 20" X 8' Wide, 40'	6,385.15	296.82
03 41 33 00-0048 EA Tees, Double Tees, Roof Members, Standard Weight, 24" X 8' Wide, 50'	8,436.19	333.93
03 41 33 00-0049 EA Tees, Double Tees, Roof Members, Standard Weight, 32" X 10' Wide, 60'	14,510.16	381.79
03 41 33 00-0050 Plant Produced Pretensioned Prestressed Concrete Hollow Core Slab <small>(03 41 33)</small>		
03 41 33 00-0051 SF Hollow Core Slab, 4" Slab, 12' - 16' Spans, Plant Produced Pretensioned Prestressed Concrete	20.93	
03 41 33 00-0052 SF Hollow Core Slab, 6" Slab, 16' - 25' Spans, Plant Produced Pretensioned Prestressed Concrete	21.80	
03 41 33 00-0053 SF Hollow Core Slab, 8" Slab, 25' - 30' Spans, Plant Produced Pretensioned Prestressed Concrete	22.85	
03 41 33 00-0054 SF Hollow Core Slab, 10" Slab, 30' - 35' Spans, Plant Produced Pretensioned Prestressed Concrete	23.66	
03 41 33 00-0055 SF Hollow Core Slab, 12" Slab, 35' - 40' Spans, Plant Produced Pretensioned Prestressed Concrete	25.31	
03 41 33 00-0056 Double And Single Tees <small>(03 41 33)</small>		
03 41 33 00-0057 Double And Single Tees With 16" Roof And Floor Loading <small>(03 41 33 00-0056)</small>		
03 41 33 00-0058 SF Double Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	25.37	
03 41 33 00-0059 SF Double Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	24.75	
03 41 33 00-0060 SF Double Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	23.37	
03 41 33 00-0061 SF Double Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete.....	25.37	
03 41 33 00-0062 SF Double Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete.....	25.27	
03 41 33 00-0063 SF Single Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete.....	38.77	



	Concrete	03	
	Precast Concrete	03 40	03
	Precast Structural Concrete	03 41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 33 00-0064	SF		Single Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	37.90	
03 41 33 00-0065	SF		Single Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	35.48	
03 41 33 00-0066	SF		Single Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	38.77	
03 41 33 00-0067	SF		Single Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	36.35	
03 41 33 00-0068			Double And Single Tees With 24" Roof And Floor Loading <small>(03 41 33 00-0056)</small>		
03 41 33 00-0069	SF		Double Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	26.14	
03 41 33 00-0070	SF		Double Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	25.53	
03 41 33 00-0071	SF		Double Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	24.65	
03 41 33 00-0072	SF		Double Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	26.14	
03 41 33 00-0073	SF		Double Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	25.27	
03 41 33 00-0074	SF		Single Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	39.80	
03 41 33 00-0075	SF		Single Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	38.93	
03 41 33 00-0076	SF		Single Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	37.54	
03 41 33 00-0077	SF		Single Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	39.80	
03 41 33 00-0078	SF		Single Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	38.67	
03 41 33 00-0079			Double And Single Tees With 32" Roof And Floor Loading <small>(03 41 33 00-0056)</small>		
03 41 33 00-0080	SF		Double Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete	27.56	
03 41 33 00-0081	SF		Double Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete	26.68	
03 41 33 00-0082	SF		Double Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete	25.81	
03 41 33 00-0083	SF		Single Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete	42.25	
03 41 33 00-0084	SF		Single Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete	40.86	
03 41 33 00-0085	SF		Single Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete	39.21	
03 48			Precast Concrete Specialties <small>(03 40)</small>		
03 48 16			Precast Concrete Splash Blocks <small>(03 48)</small>		
03 48 16 00-0001			Precast Concrete Splash Blocks <small>(03 48 16)</small>		
03 48 16 00-0002	EA		Precast Concrete Splash Blocks, Standard Size	27.79	3.16
03 48 21			Precast Concrete Handrails <small>(03 48)</small>		
03 48 21 00-0001			Installation Cost <small>(03 48 21)</small>		
			Note: Includes handling, hoisting into place, alignment, and permanent connections. Excludes grouting.		
03 48 21 00-0002	EA		Install Precast Handrails, 0-2 Ton/Handrail	130.28	58.65
03 48 21 00-0003	EA		Install Precast Handrails, Over 2 Ton/Handrail	156.24	70.29
03 48 21 00-0004			Material Cost <small>(03 48 21)</small>		
			Note: Includes 3000 PSI concrete, imbedded items, formwork and precast operations.		
03 48 21 00-0005	CY		4" Thick 3,000 PSI Concrete Precast Concrete Handrail	2,262.53	
			For 3,500 PSI Concrete, Add	147.63	
			For 4,000 PSI Concrete, Add	277.39	
			For 4,500 PSI Concrete, Add	407.71	
			For 5,000 PSI Concrete, Add	554.66	
03 48 21 00-0006	CY		5" Thick 3,000 PSI Concrete Precast Concrete Handrail	2,348.45	
			For 3,500 PSI Concrete, Add	153.24	
			For 4,000 PSI Concrete, Add	287.92	
			For 4,500 PSI Concrete, Add	423.19	
			For 5,000 PSI Concrete, Add	575.72	
03 48 21 00-0007	CY		6" Thick 3,000 PSI Concrete Precast Concrete Handrail	2,434.37	
			For 3,500 PSI Concrete, Add	158.84	
			For 4,000 PSI Concrete, Add	298.45	
			For 4,500 PSI Concrete, Add	438.67	
			For 5,000 PSI Concrete, Add	596.79	
03 48 21 00-0008	CY		8" Thick 3,000 PSI Concrete Precast Concrete Handrail	2,548.93	
			For 3,500 PSI Concrete, Add	166.32	
			For 4,000 PSI Concrete, Add	312.50	
			For 4,500 PSI Concrete, Add	459.32	
			For 5,000 PSI Concrete, Add	624.87	
03 48 22			Precast Concrete Sun Screen And Trellis <small>(03 48)</small>		
03 48 22 00-0001			Sun Screen Blades <small>(03 48 22)</small>		
03 48 22 00-0002			Installation Cost <small>(03 48 22 00-0001)</small>		
			Note: Includes handling, hoisting into place, alignment, bracing, and permanent connections.		
03 48 22 00-0003	EA		Install Precast Sun Screen Blade, 0-1 Ton/Each	65.14	29.33
03 48 22 00-0004	EA		Install Precast Sun Screen Blade, 1-2 Ton/Each	78.26	35.19
03 48 22 00-0005	EA		Install Precast Sun Screen Blade, 2-3 Ton/Each	97.78	44.04
03 48 22 00-0006			Material Cost <small>(03 48 22 00-0001)</small>		
			Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		

03	Concrete
03 40	Precast Concrete
03 48	Precast Concrete Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 22 00-0007 CY 4" Thick 3,000 PSI Concrete Precast Sun Screen Blades.....	2,405.73	
For 3,500 PSI Concrete, Add	156.97	
For 4,000 PSI Concrete, Add	294.94	
For 4,500 PSI Concrete, Add	433.51	
For 5,000 PSI Concrete, Add	589.76	
03 48 22 00-0008 CY 5" Thick 3,000 PSI Concrete Precast Sun Screen Blades.....	2,491.65	
For 3,500 PSI Concrete, Add	162.58	
For 4,000 PSI Concrete, Add	305.48	
For 4,500 PSI Concrete, Add	449.00	
For 5,000 PSI Concrete, Add	610.83	
03 48 22 00-0009 CY 6" Thick 3,000 PSI Concrete Precast Sun Screen Blades.....	2,606.21	
For 3,500 PSI Concrete, Add	170.06	
For 4,000 PSI Concrete, Add	319.52	
For 4,500 PSI Concrete, Add	469.64	
For 5,000 PSI Concrete, Add	638.91	
03 48 22 00-0010 CY 8" Thick 3,000 PSI Concrete Precast Sun Screen Blades.....	2,720.76	
For 3,500 PSI Concrete, Add	177.53	
For 4,000 PSI Concrete, Add	333.57	
For 4,500 PSI Concrete, Add	490.28	
For 5,000 PSI Concrete, Add	666.99	
03 48 22 00-0011 Sun Screen/Trellis Units (03 48 22)		
03 48 22 00-0012 Installation Cost Using A 50 Ton Hydraulic Crane (03 48 22 00-0011)		
Note: Includes handling, hoisting into place, alignment, bracing and permanent to connections.		
03 48 22 00-0013 EA Install Precast Trellis, 0-1 Tons/Unit 100' Maximum Radius With 50 Ton Crane.....	297.80	133.99
03 48 22 00-0014 EA Install Precast Trellis, 1-3 Tons/Unit 65' Maximum Radius With 50 Ton Crane.....	333.10	149.95
03 48 22 00-0015 EA Install Precast Trellis, 3-5 Tons/Unit 50' Maximum Radius With 50 Ton Crane.....	377.91	170.04
03 48 22 00-0016 EA Install Precast Trellis, 5-7 Tons/Unit 40' Maximum Radius With 50 Ton Crane.....	403.89	181.75
03 48 22 00-0017 Material Cost (03 48 22 00-0011)		
Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 22 00-0018 CY 4" Thick 3,000 PSI Concrete Precast Trellises Blades.....	2,778.04	
For 3,500 PSI Concrete, Add	181.27	
For 4,000 PSI Concrete, Add	340.59	
For 4,500 PSI Concrete, Add	500.60	
For 5,000 PSI Concrete, Add	681.04	
03 48 22 00-0019 CY 5" Thick 3,000 PSI Concrete Precast Trellises Blades.....	2,863.96	
For 3,500 PSI Concrete, Add	186.87	
For 4,000 PSI Concrete, Add	351.12	
For 4,500 PSI Concrete, Add	516.09	
For 5,000 PSI Concrete, Add	702.10	
03 48 22 00-0020 CY 6" Thick 3,000 PSI Concrete Precast Trellises Blades.....	2,978.52	
For 3,500 PSI Concrete, Add	194.35	
For 4,000 PSI Concrete, Add	365.17	
For 4,500 PSI Concrete, Add	536.73	
For 5,000 PSI Concrete, Add	730.18	
03 48 22 00-0021 CY 8" Thick 3,000 PSI Concrete Precast Trellises Blades.....	3,121.72	
For 3,500 PSI Concrete, Add	203.69	
For 4,000 PSI Concrete, Add	382.72	
For 4,500 PSI Concrete, Add	562.53	
For 5,000 PSI Concrete, Add	765.29	
03 48 24 Precast Minaret Segments (03 48)		
03 48 24 00-0001 Installation Costs Using A 50 Ton Hydraulic Crane (03 48 24)		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.		
03 48 24 00-0002 L - Shaped Segments (03 48 24 00-0001)		
03 48 24 00-0003 EA Install Minaret, L-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane.....	289.78	231.83
03 48 24 00-0004 EA Install Minaret, L-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane.....	324.74	259.80
03 48 24 00-0005 EA Install Minaret, L-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane.....	367.17	293.72
03 48 24 00-0006 EA Install Minaret, L-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane.....	391.65	313.32
03 48 24 00-0007 O - Shaped Segments (03 48 24 00-0001)		
03 48 24 00-0008 EA Install Minaret, O-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane.....	306.26	245.06
03 48 24 00-0009 EA Install Minaret, O-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane.....	343.73	274.95
03 48 24 00-0010 EA Install Minaret, O-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane.....	389.29	311.40
03 48 24 00-0011 EA Install Minaret, O-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane.....	416.92	333.51
03 48 24 00-0012 Platform Segment (03 48 24 00-0001)		
03 48 24 00-0013 EA Install Minaret, Platform Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane.....	587.47	470.03
03 48 24 00-0014 EA Install Minaret, Platform Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane.....	710.14	568.07
03 48 24 00-0015 EA Install Minaret, Platform Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane.....	788.08	630.47
03 48 24 00-0016 EA Install Minaret, Platform Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane.....	885.24	708.22
03 48 24 00-0017 Cap Segment (03 48 24 00-0001)		
03 48 24 00-0018 EA Install Minaret, Cap Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane.....	321.50	257.18



Concrete	03	03
Precast Concrete	03 40	
Precast Concrete Specialties	03 48	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 24 00-0019 EA Install Minaret, Cap Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	359.02	287.17
03 48 24 00-0020 EA Install Minaret, Cap Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	409.00	327.15
03 48 24 00-0021 EA Install Minaret, Cap Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	436.64	349.26
03 48 24 00-0022 Installation Costs Using A 90 Ton Crawler Crane <small>(03 48 24)</small>		
<small>Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting and caulking of joints.</small>		
03 48 24 00-0023 L - Shaped Segments <small>(03 48 24 00-0022)</small>		
03 48 24 00-0024 EA Install Minaret, L-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	292.20	233.77
03 48 24 00-0025 EA Install Minaret, L-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	327.45	261.97
03 48 24 00-0026 EA Install Minaret, L-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	370.24	296.18
03 48 24 00-0027 EA Install Minaret, L-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	394.92	315.94
03 48 24 00-0028 O - Shaped Segment <small>(03 48 24 00-0022)</small>		
03 48 24 00-0029 EA Install Minaret, O-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	308.82	247.10
03 48 24 00-0030 EA Install Minaret, O-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	346.60	277.24
03 48 24 00-0031 EA Install Minaret, O-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	392.54	314.00
03 48 24 00-0032 EA Install Minaret, O-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	420.40	336.29
03 48 24 00-0033 Platform Segment <small>(03 48 24 00-0022)</small>		
03 48 24 00-0034 EA Install Minaret, Platform Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	472.18	377.73
03 48 24 00-0035 EA Install Minaret, Platform Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	571.60	457.25
03 48 24 00-0036 EA Install Minaret, Platform Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	632.63	506.12
03 48 24 00-0037 EA Install Minaret, Platform Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	716.07	572.81
03 48 24 00-0038 Cap Segment <small>(03 48 24 00-0022)</small>		
03 48 24 00-0039 EA Install Minaret, Cap Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	324.19	259.32
03 48 24 00-0040 EA Install Minaret, Cap Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	362.01	289.56
03 48 24 00-0041 EA Install Minaret, Cap Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	412.41	329.88
03 48 24 00-0042 EA Install Minaret, Cap Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	440.28	352.18
03 48 24 00-0043 Material Costs <small>(03 48 24)</small>		
<small>Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.</small>		
03 48 24 00-0044 CY Precast Concrete Minaret, L-Shaped Segments Including Post Tension Cost, 3,000 PSI Concrete	6,873.13	
03 48 24 00-0045 CY Precast Concrete Minaret, O-Shaped Segments Including Post Tension Cost, 3,000 PSI Concrete	6,873.13	
03 48 24 00-0046 CY Precast Concrete Minaret, Platform Segments Including Post Tension Cost, 3,000 PSI Concrete	6,873.13	
03 48 24 00-0047 CY Precast Concrete Minaret, Cap Segments Including Post Tension Cost, 3,000 PSI Concrete	6,873.13	
03 48 29 Precast Accessories <small>(03 48)</small>		
<small>Note: Includes installation labor, material and equipment.</small>		
03 48 29 00-0001 Bearing Pads For Precast Members <small>(03 48 29)</small>		
03 48 29 00-0002 Continuous 2" Wide Strips <small>(03 48 29 00-0001)</small>		
03 48 29 00-0003 LF Bearing Pads, Continuous 2" Wide x 1/8" Thick Strips	1.26	
<small>Note: For precast members</small>		
03 48 29 00-0004 LF Bearing Pads, Continuous 2" Wide x 1/4" Thick Strips	1.86	
<small>Note: For precast members.</small>		
03 48 29 00-0005 LF Bearing Pads, Continuous 2" Wide x 1/2" Thick Strips	3.17	
<small>Note: For precast members</small>		
03 48 29 00-0006 LF Bearing Pads, Continuous 2" Wide x 3/4" Thick Strips	4.51	
<small>Note: For precast members</small>		
03 48 29 00-0007 LF Bearing Pads, Continuous 2" Wide x 1" Thick Strips	5.89	
<small>Note: For precast members</small>		
03 48 29 00-0008 LF Bearing Pads, Continuous 2" Wide x 1-1/2" Thick Strips	8.52	
<small>Note: For precast members</small>		
03 48 29 00-0009 Bearing Pad Pipe Supports <small>(03 48 29)</small>		
03 48 29 00-0010 LF 8" Diameter Precast Balustrade, Decorative Shapes	79.10	
03 48 29 00-0011 LF Precast Rail Cap, <1 SF Cross Section	50.63	
03 48 29 00-0012 LF 4" x 4" Precast Pipe Support	9.71	
03 48 46 Precast Skylight Shells <small>(03 48)</small>		
03 48 46 00-0001 Installation Cost Using A 90 Ton Crawler Crane <small>(03 48 46)</small>		
<small>Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.</small>		
03 48 46 00-0002 EA Install Precast Skylight Shell, 0-4 Tons/Each Based On 90 Ton Crawler Crane	423.20	190.47
03 48 46 00-0003 EA Install Precast Skylight Shell, 4-6 Tons/Each Based On 90 Ton Crawler Crane	469.92	211.48
03 48 46 00-0004 EA Install Precast Skylight Shell, 6-8 Tons/Each Based On 90 Ton Crawler Crane	528.23	237.71
03 48 46 00-0005 Material Cost <small>(03 48 46)</small>		
<small>Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.</small>		

03	Concrete
03 40	Precast Concrete
03 48	Precast Concrete Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 48 46 00-0006 CY 3.5" Thick 3,000 PSI Concrete Precast Skylight With 4.4' Radius2,875.50

03 48 49 Precast Landings (03 48)

03 48 49 00-0001 SF 3" Thick Precast Landing72.99
 03 48 49 00-0002 SF 4" Thick Precast Landing85.05
 03 48 49 00-0003 SF 5" Thick Precast Landing96.70
 03 48 49 00-0004 SF 6" Thick Precast Landing111.50

03 48 54 Precast Concrete Blocks (03 48)

03 48 54 00-0001 Precast Concrete Blocks (03 48 54)

03 48 54 00-0002 EA 2' x 2' x 2' Precast Concrete Block88.26 33.78
 03 48 54 00-0003 EA 2' x 2' x 4' Precast Concrete Block126.15 42.22
 03 48 54 00-0004 EA 2' x 2' x 8' Precast Concrete Block210.49 50.66

03 50 Cast Decks And Underlayment (03)

03 51 Cast Roof Decks (03 50)

03 51 13 Cementitious Wood Fiber Decks (03 51)

03 51 13 00-0001 Cement Fiber Tongue And Groove Planks (03 51 13)

03 51 13 00-0002 SF 1" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System3.26
 03 51 13 00-0003 SF 1-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System3.39
 03 51 13 00-0004 SF 2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System3.55
 03 51 13 00-0005 SF 2-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System4.03
 03 51 13 00-0006 SF 3" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System4.55
 03 51 13 00-0007 SF 3-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System5.15
 03 51 13 00-0008 SF 4" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System5.89

03 51 13 00-0009 Bulb Tees, Sub-Purlins And Grout (03 51 13)

03 51 13 00-0010 SF 6' Span Bulb Tee, Sub-Purlins, Grout, Cement Wood Fiber System1.30
 03 51 13 00-0011 SF 8' Span Bulb Tee, Sub-Purlins, Grout, Cement Wood Fiber System2.03

03 51 16 Gypsum Concrete Roof Decks (03 51)

03 51 16 00-0001 Class A Gypsum Fill Concrete Deck (03 51 16)

03 51 16 00-0002 SF 2" Thick Precast Gypsum Fill Concrete Deck, Class A8.00 0.45
 03 51 16 00-0003 SF 2-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A9.90 0.53
 03 51 16 00-0004 SF 3" Thick Precast Gypsum Fill Concrete Deck, Class A11.83 0.60
 03 51 16 00-0005 SF 3-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A13.76 0.68
 03 51 16 00-0006 SF 4" Thick Precast Gypsum Fill Concrete Deck, Class A15.72 0.76

03 51 16 00-0007 Formboard For Lightweight Deck (03 51 16)

03 51 16 00-0008 SF Gypsum Deck Formboard, 1/2" Drywall For Lightweight Deck1.74
 03 51 16 00-0009 SF Gypsum Deck Formboard, 1" Mineral Fiber Board For Lightweight Deck2.26
 03 51 16 00-0010 SF Gypsum Deck Formboard, 1-1/2" Mineral Fiber Board For Lightweight Deck4.48
 03 51 16 00-0011 SF Gypsum Deck Formboard, 1" Cementitious Fiber Board For Lightweight Deck1.91 0.50
 03 51 16 00-0012 SF Gypsum Deck Formboard, 1-1/2" Cementitious Fiber Board For Lightweight Deck2.30 0.50
 03 51 16 00-0013 SF Gypsum Deck Formboard, 1" Glass Fiber Board For Lightweight Deck2.50 0.50
 03 51 16 00-0014 SF Gypsum Deck Formboard, 1-1/2" Glass Fiber Board For Lightweight Deck3.07 0.50

03 51 16 00-0015 Board Deck Supports For Formboard (03 51 16)

03 51 16 00-0016 SF Gypsum Deck Formboard Supports, 5' Bulb Tee 40 LB/SF, Span0.72 0.19
 03 51 16 00-0017 SF Gypsum Deck Formboard Supports, 8' Bulb Tee 40 LB/SF Span1.20 0.28

03 51 16 00-0018 Gypsum Plank (03 51 16)

03 51 16 00-0019 SF Insulating Concrete Gypsum Plank, 2" Thick Roof Deck3.37
 03 51 16 00-0020 SF Insulating Concrete Gypsum Plank, 3" Thick Roof Deck4.46

03 53 Concrete Topping (03 50)

Note: Installed over new or existing concrete.

03 53 14 Granolithic Concrete Topping (03 53)

03 53 14 00-0001 Granolithic Topping Laid After (03 53 14)

Note: Using 1:1:1-1/2 mix.

03 53 14 00-0002 SF 1/2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix3.47
 03 53 14 00-0003 SF 1" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix3.76
 03 53 14 00-0004 SF 2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix4.76



Concrete	03	03
Cast Decks And Underlayment	03 50	
Concrete Topping	03 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 53 19 Concrete Overlayment (03 53)

03 53 19 00-0001 Integral Topping Including Hard Trowel Finish (03 53 19)

Note: Using 1:1:2 mix.

03 53 19 00-0002	SF	3/16" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	2.07
03 53 19 00-0003	SF	1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	2.33
03 53 19 00-0004	SF	3/4" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	2.72
03 53 19 00-0005	SF	1" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	3.25
03 53 19 00-0006	SF	2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	4.65
03 53 19 00-0007	SF	2-1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	4.03
03 53 19 00-0008	SF	3" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	4.53

03 54 Cast Underlayment (03 50)

Note: Includes primer. Excludes sandblasting existing smooth finished concrete surface (where necessary).

03 54 16 Hydraulic Cement Underlayment (03 54)

03 54 16 00-0001 Self Leveling Cementitious Underlayment For Floors (03 54 16)

Note: Includes primer.

03 54 16 00-0002	SF	1/8" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation.....	1.91
03 54 16 00-0003	SF	1/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation.....	2.97
03 54 16 00-0004	SF	1/2" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation.....	5.07
03 54 16 00-0005	SF	3/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation.....	7.18
03 54 16 00-0006	SF	1" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation.....	9.28
03 54 16 00-0007	SF	1-1/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation.....	12.08
03 54 16 00-0008	SF	1-1/2" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation.....	13.49
03 54 16 00-0009	SF	1-3/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation.....	17.71

03 60 Grouting (03)

03 61 Cementitious Grouting (03 60)

Note: 1 part cement to 3 parts sand by volume.

03 61 16 Cementitious Flowable Grout (03 61)

03 61 16 00-0001 Cementitious Flowable Grout (03 61 16)

03 61 16 00-0002	CY	Cementitious Flowable Grout.....	380.60
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03 62 Non-Shrink Grouting (03 60)

03 62 13 Non-Metallic Non-Shrink Grouting (03 62)

03 62 13 00-0001 Fluid Type, Non-Metallic Non-Shrink Grouting For Bases (03 62 13)

03 62 13 00-0002	SF	1" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases.....	21.48
03 62 13 00-0003	SF	2" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases.....	32.11

03 62 13 00-0004 Non-Metallic Non-Shrink Grouting For Bases (03 62 13)

03 62 13 00-0005	SF	1" Deep, Non-Metallic Non-Shrink Grout For Bases.....	33.04
03 62 13 00-0006	SF	2" Deep, Non-Metallic Non-Shrink Grout For Bases.....	53.35

03 62 13 00-0007 Non-Metallic Non-Shrink Grouting For Joints (03 62 13)

03 62 13 00-0008 1/2" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints (03 62 13 00-0007)

03 62 13 00-0009	LF	4" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints.....	1.71
03 62 13 00-0010	LF	6" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints.....	2.23
03 62 13 00-0011	LF	8" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints.....	2.96

03 62 13 00-0012 1" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints (03 62 13 00-0007)

03 62 13 00-0013	LF	4" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints.....	2.53
03 62 13 00-0014	LF	6" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints.....	3.39
03 62 13 00-0015	LF	8" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints.....	4.50

03 62 16 Metallic Non-Shrink Grouting (03 62)

03 62 16 00-0001 Metallic Non-Shrink Grouting For Bases (03 62 16)

03 62 16 00-0002	SF	1" Deep, Metallic Non-Shrink Grout For Bases.....	27.68
03 62 16 00-0003	SF	2" Deep, Metallic Non-Shrink Grout For Bases.....	42.96

03 62 16 00-0004 Metallic Non-Shrink Grouting For Joints (03 62 16)

03 62 16 00-0005 1/2" Joint Thickness, Metallic Non-Shrink Grout For Joints (03 62 16 00-0004)

03 62 16 00-0006	LF	4" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints.....	1.38
03 62 16 00-0007	LF	6" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints.....	1.73

03	03 Concrete
	03 60 Grouting
	03 62 Non-Shrink Grouting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 62 16 00-0008 LF 8" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints.....	2.31	
03 62 16 00-0009 1" Joint Thickness, Metallic Non-Shrink Grout For Joints (03 62 16 00-0004)		
03 62 16 00-0010 LF 4" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints.....	1.88	
03 62 16 00-0011 LF 6" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints.....	2.38	
03 62 16 00-0012 LF 8" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints.....	3.17	
03 64 Injection Grouting (03 60)		
Note: By volume of void filled. Includes injection ports.		
03 64 23 Epoxy Injection Grouting (03 64)		
03 64 23 00-0001 Pressure Injected Epoxy Grout (03 64 23)		
03 64 23 00-0002 CF Pressure Injected Epoxy Grout.....	1,091.15	
<i>For >4, Deduct</i>	-115.70	
03 64 26 Cementitious Injection Grouting (03 64)		
03 64 26 00-0001 Pressure Injected Cementitious Grout (03 64 26)		
03 64 26 00-0002 CF Pressure Injected Cementitious Grout.....	139.88	
<i>For >4, Deduct</i>	-33.45	
03 80 Concrete Cutting And Boring (03)		
03 81 Concrete Cutting (03 80)		
03 81 13 Flat Concrete Sawing (03 81)		
See CSI section 02 41 19 13-0001 for saw cutting.		
03 81 16 Track Mounted Concrete Wall Sawing (03 81)		
See CSI section 02 41 19 13-0001 for saw cutting.		
03 82 Concrete Boring (03 80)		
03 82 13 Concrete Core Drilling (03 82)		
See CSI section 02 41 19 13-0024 for core drilling.		

END OF SECTION 03



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 Masonry

04 01 Maintenance Of Masonry ⁽⁰⁴⁾

04 01 20 Maintenance Of Unit Masonry ^(04 01)

Note: For use on existing brick. Includes clean-up of debris. Excludes disposal.

04 01 20 41 Unit Masonry Stabilization ^(04 01 20)

04 01 20 41-0001 Unit Masonry Stabilization (Helifix®) ^(04 01 20 41)

04 01 20 41-0002 Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) ^(04 01 20 41-0001)

Note: Austenitic stainless steel. For stabilizing solid masonry. Includes drilling, cementitious grout and patching surface.

04 01 20 41-0003 304 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) ^(04 01 20 41-0002)

04 01 20 41-0004	EA	8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	24.06
		For Up To 10, Add	8.58
		For >10 To 50, Add	4.29
04 01 20 41-0005	EA	8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	36.29
		For Up To 10, Add	8.58
		For >10 To 50, Add	4.29
04 01 20 41-0006	EA	8mm Diameter, 900mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	49.58
		For Up To 10, Add	8.58
		For >10 To 50, Add	4.29

04 01 20 41-0007 316 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) ^(04 01 20 41-0002)

04 01 20 41-0008	EA	8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	26.71
		For Up To 10, Add	8.58
		For >10 To 50, Add	4.29
04 01 20 41-0009	EA	8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	41.00
		For Up To 10, Add	8.58
		For >10 To 50, Add	4.29
04 01 20 41-0010	EA	8mm Diameter, 900mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	56.65
		For Up To 10, Add	8.58
		For >10 To 50, Add	4.29

04 01 20 41-0011 Ties For Stitching Masonry Cracks (Helifix® Helibar) ^(04 01 20 41-0001)

Note: Austenitic stainless steel. For stabilizing cracked masonry. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout. Excludes repairing vertical crack.

04 01 20 41-0012 304 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) ^(04 01 20 41-0011)

04 01 20 41-0013	EA	4.5mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	59.47
		For Up To 10, Add	34.32
		For >10 To 50, Add	17.16
04 01 20 41-0014	EA	4.5mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	66.42
		For Up To 10, Add	34.32
		For >10 To 50, Add	17.16
04 01 20 41-0015	EA	4.5mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	227.73
		For Up To 10, Add	34.32
		For >10 To 50, Add	17.16
04 01 20 41-0016	EA	6mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	59.47
		For Up To 10, Add	34.32
		For >10 To 50, Add	17.16
04 01 20 41-0017	EA	6mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	66.42
		For Up To 10, Add	34.32
		For >10 To 50, Add	17.16
04 01 20 41-0018	EA	6mm Diameter, 1.5m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	74.33
		For Up To 10, Add	34.32
		For >10 To 50, Add	17.16
04 01 20 41-0019	EA	6mm Diameter, 2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	89.19
		For Up To 10, Add	34.32
		For >10 To 50, Add	17.16
04 01 20 41-0020	EA	6mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	227.73
		For Up To 10, Add	34.32
		For >10 To 50, Add	17.16



MINOR
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04 01 20 41-0021	316 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) <small>(04 01 20 41-0011)</small>	
04 01 20 41-0022	EA 4.5mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	63.26
	For Up To 10, Add	34.32
	For >10 To 50, Add	17.16
04 01 20 41-0023	EA 4.5mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	71.47
	For Up To 10, Add	34.32
	For >10 To 50, Add	17.16
04 01 20 41-0024	EA 4.5mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	259.27
	For Up To 10, Add	34.32
	For >10 To 50, Add	17.16
04 01 20 41-0025	EA 6mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	63.26
	For Up To 10, Add	34.32
	For >10 To 50, Add	17.16
04 01 20 41-0026	EA 6mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	71.47
	For Up To 10, Add	34.32
	For >10 To 50, Add	17.16
04 01 20 41-0027	EA 6mm Diameter, 1.5m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	80.64
	For Up To 10, Add	34.32
	For >10 To 50, Add	17.16
04 01 20 41-0028	EA 6mm Diameter, 2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	98.03
	For Up To 10, Add	34.32
	For >10 To 50, Add	17.16
04 01 20 41-0029	EA 6mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	259.27
	For Up To 10, Add	34.32
	For >10 To 50, Add	17.16
04 01 20 41-0030	Mechanical Repair Anchors (Helifix® TorkFix) <small>(04 01 20 41-0001)</small>	
04 01 20 41-0031	304 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) <small>(04 01 20 41-0030)</small>	
04 01 20 41-0032	EA 4-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	11.80
	For Up To 10, Add	5.15
	For >10 To 50, Add	2.58
04 01 20 41-0033	EA 5-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.05
	For Up To 10, Add	5.15
	For >10 To 50, Add	2.58
04 01 20 41-0034	EA 6-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.29
	For Up To 10, Add	5.15
	For >10 To 50, Add	2.58
04 01 20 41-0035	EA 7-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.54
	For Up To 10, Add	5.15
	For >10 To 50, Add	2.58
04 01 20 41-0036	EA 8-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	16.79
	For Up To 10, Add	5.15
	For >10 To 50, Add	2.58
04 01 20 41-0037	EA 9-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	18.03
	For Up To 10, Add	5.15
	For >10 To 50, Add	2.58
04 01 20 41-0038	EA 4-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	11.80
	For Up To 10, Add	5.15
	For >10 To 50, Add	2.58
04 01 20 41-0039	EA 5-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.05
	For Up To 10, Add	5.15
	For >10 To 50, Add	2.58
04 01 20 41-0040	EA 6-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.29
	For Up To 10, Add	5.15
	For >10 To 50, Add	2.58
04 01 20 41-0041	EA 7-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.54
	For Up To 10, Add	5.15
	For >10 To 50, Add	2.58
04 01 20 41-0042	EA 8-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	16.79
	For Up To 10, Add	5.15
	For >10 To 50, Add	2.58
04 01 20 41-0043	EA 10-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	19.28
	For Up To 10, Add	5.15
	For >10 To 50, Add	2.58
04 01 20 41-0044	EA 4-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	11.80
	For Up To 10, Add	5.15
	For >10 To 50, Add	2.58
04 01 20 41-0045	EA 6-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	14.29
	For Up To 10, Add	5.15
	For >10 To 50, Add	2.58
04 01 20 41-0046	EA 8" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	16.16
	For Up To 10, Add	5.15
	For >10 To 50, Add	2.58



	MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0047		316 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) <small>(04 01 20 41-0030)</small>		
04 01 20 41-0048	EA	4-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	11.80	
		<i>For Up To 10, Add</i>	5.15	
		<i>For >10 To 50, Add</i>	2.58	
04 01 20 41-0049	EA	5-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	13.05	
		<i>For Up To 10, Add</i>	5.15	
		<i>For >10 To 50, Add</i>	2.58	
04 01 20 41-0050	EA	6-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	14.29	
		<i>For Up To 10, Add</i>	5.15	
		<i>For >10 To 50, Add</i>	2.58	
04 01 20 41-0051	EA	7-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	15.54	
		<i>For Up To 10, Add</i>	5.15	
		<i>For >10 To 50, Add</i>	2.58	
04 01 20 41-0052	EA	8-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	16.79	
		<i>For Up To 10, Add</i>	5.15	
		<i>For >10 To 50, Add</i>	2.58	
04 01 20 41-0053	EA	9-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	18.03	
		<i>For Up To 10, Add</i>	5.15	
		<i>For >10 To 50, Add</i>	2.58	
04 01 20 41-0054	EA	4-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	11.80	
		<i>For Up To 10, Add</i>	5.15	
		<i>For >10 To 50, Add</i>	2.58	
04 01 20 41-0055	EA	5-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	13.05	
		<i>For Up To 10, Add</i>	5.15	
		<i>For >10 To 50, Add</i>	2.58	
04 01 20 41-0056	EA	6-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	14.29	
		<i>For Up To 10, Add</i>	5.15	
		<i>For >10 To 50, Add</i>	2.58	
04 01 20 41-0057	EA	7-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	15.54	
		<i>For Up To 10, Add</i>	5.15	
		<i>For >10 To 50, Add</i>	2.58	
04 01 20 41-0058	EA	8-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	16.79	
		<i>For Up To 10, Add</i>	5.15	
		<i>For >10 To 50, Add</i>	2.58	
04 01 20 41-0059	EA	10-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	19.28	
		<i>For Up To 10, Add</i>	5.15	
		<i>For >10 To 50, Add</i>	2.58	
04 01 20 41-0060	EA	4-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix).....	11.80	
		<i>For Up To 10, Add</i>	5.15	
		<i>For >10 To 50, Add</i>	2.58	
04 01 20 41-0061	EA	6-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix).....	14.29	
		<i>For Up To 10, Add</i>	5.15	
		<i>For >10 To 50, Add</i>	2.58	
04 01 20 41-0062	EA	8" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix).....	16.16	
		<i>For Up To 10, Add</i>	5.15	
		<i>For >10 To 50, Add</i>	2.58	
04 01 20 41-0063		Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) <small>(04 01 20 41-0001)</small>		
		Note: Austenitic stainless steel. For pinning stucco, terracotta, granite, marble, etc., to concrete block, brick or solid concrete. Includes drilling and patching surface.		
04 01 20 41-0064		304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) <small>(04 01 20 41-0063)</small>		
04 01 20 41-0065	EA	8mm Diameter, 115mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.87	
		<i>For Up To 10, Add</i>	5.15	
		<i>For >10 To 50, Add</i>	2.58	
		<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0066	EA	8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.32	
		<i>For Up To 10, Add</i>	5.15	
		<i>For >10 To 50, Add</i>	2.58	
		<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0067	EA	8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.41	
		<i>For Up To 10, Add</i>	5.15	
		<i>For >10 To 50, Add</i>	2.58	
		<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0068	EA	8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.59	
		<i>For Up To 10, Add</i>	5.15	
		<i>For >10 To 50, Add</i>	2.58	
		<i>For Metal Stud Clip, Add</i>	2.67	

04	Masonry
04 01	Maintenance Of Masonry
04 01 20	Maintenance Of Unit Masonry



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 01 20 41-0069	EA		8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.92	
			<i>For Up To 10, Add</i>	5.15	
			<i>For >10 To 50, Add</i>	2.58	
			<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0070	EA		8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.19	
			<i>For Up To 10, Add</i>	5.15	
			<i>For >10 To 50, Add</i>	2.58	
			<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0071	EA		8mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.33	
			<i>For Up To 10, Add</i>	5.15	
			<i>For >10 To 50, Add</i>	2.58	
			<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0072	EA		8mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.50	
			<i>For Up To 10, Add</i>	5.15	
			<i>For >10 To 50, Add</i>	2.58	
			<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0073	EA		8mm Diameter, 325mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.30	
			<i>For Up To 10, Add</i>	5.15	
			<i>For >10 To 50, Add</i>	2.58	
			<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0074	EA		8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.41	
			<i>For Up To 10, Add</i>	5.15	
			<i>For >10 To 50, Add</i>	2.58	
			<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0075	EA		8mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.37	
			<i>For Up To 10, Add</i>	5.15	
			<i>For >10 To 50, Add</i>	2.58	
			<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0076	EA		8mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.18	
			<i>For Up To 10, Add</i>	5.15	
			<i>For >10 To 50, Add</i>	2.58	
			<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0077	EA		8mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.88	
			<i>For Up To 10, Add</i>	5.15	
			<i>For >10 To 50, Add</i>	2.58	
			<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0078	EA		8mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	16.32	
			<i>For Up To 10, Add</i>	5.15	
			<i>For >10 To 50, Add</i>	2.58	
			<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0079	EA		8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	18.50	
			<i>For Up To 10, Add</i>	5.15	
			<i>For >10 To 50, Add</i>	2.58	
			<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0080	EA		8mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	21.39	
			<i>For Up To 10, Add</i>	5.15	
			<i>For >10 To 50, Add</i>	2.58	
			<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0081	EA		10mm Diameter, 125mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.02	
			<i>For Up To 10, Add</i>	5.15	
			<i>For >10 To 50, Add</i>	2.58	
			<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0082	EA		10mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.51	
			<i>For Up To 10, Add</i>	5.15	
			<i>For >10 To 50, Add</i>	2.58	
			<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0083	EA		10mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.94	
			<i>For Up To 10, Add</i>	5.15	
			<i>For >10 To 50, Add</i>	2.58	
			<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0084	EA		10mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.33	
			<i>For Up To 10, Add</i>	5.15	
			<i>For >10 To 50, Add</i>	2.58	
			<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0085	EA		10mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.58	
			<i>For Up To 10, Add</i>	5.15	
			<i>For >10 To 50, Add</i>	2.58	
			<i>For Metal Stud Clip, Add</i>	2.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0086 EA 10mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.75	
<i>For Up To 10, Add</i>	5.15	
<i>For >10 To 50, Add</i>	2.58	
<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0087 EA 10mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.04	
<i>For Up To 10, Add</i>	5.15	
<i>For >10 To 50, Add</i>	2.58	
<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0088 EA 10mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.16	
<i>For Up To 10, Add</i>	5.15	
<i>For >10 To 50, Add</i>	2.58	
<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0089 EA 10mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.72	
<i>For Up To 10, Add</i>	5.15	
<i>For >10 To 50, Add</i>	2.58	
<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0090 EA 10mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.53	
<i>For Up To 10, Add</i>	5.15	
<i>For >10 To 50, Add</i>	2.58	
<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0091 EA 10mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.20	
<i>For Up To 10, Add</i>	5.15	
<i>For >10 To 50, Add</i>	2.58	
<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0092 EA 10mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	14.05	
<i>For Up To 10, Add</i>	5.15	
<i>For >10 To 50, Add</i>	2.58	
<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0093 EA 10mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	18.64	
<i>For Up To 10, Add</i>	5.15	
<i>For >10 To 50, Add</i>	2.58	
<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0094 EA 10mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	21.20	
<i>For Up To 10, Add</i>	5.15	
<i>For >10 To 50, Add</i>	2.58	
<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0095 EA 10mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	25.19	
<i>For Up To 10, Add</i>	5.15	
<i>For >10 To 50, Add</i>	2.58	
<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0096 EA 8mm Tapered To 6.5mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.07	
<i>For Up To 10, Add</i>	5.15	
<i>For >10 To 50, Add</i>	2.58	
<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0097 EA 8mm Tapered To 6.5mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.36	
<i>For Up To 10, Add</i>	5.15	
<i>For >10 To 50, Add</i>	2.58	
<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0098 EA 8mm Tapered To 6.5mm Diameter, 185mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.54	
<i>For Up To 10, Add</i>	5.15	
<i>For >10 To 50, Add</i>	2.58	
<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0099 EA 8mm Tapered To 6.5mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.68	
<i>For Up To 10, Add</i>	5.15	
<i>For >10 To 50, Add</i>	2.58	
<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0100 EA 8mm Tapered To 6.5mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.08	
<i>For Up To 10, Add</i>	5.15	
<i>For >10 To 50, Add</i>	2.58	
<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0101 EA 8mm Tapered To 6.5mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.72	
<i>For Up To 10, Add</i>	5.15	
<i>For >10 To 50, Add</i>	2.58	
<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0102 EA 8mm Tapered To 6.5mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.95	
<i>For Up To 10, Add</i>	5.15	
<i>For >10 To 50, Add</i>	2.58	
<i>For Metal Stud Clip, Add</i>	2.67	

04 Masonry**04 01 Maintenance Of Masonry****04 01 20 Maintenance Of Unit Masonry**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 01 20 41-0103	EA	8mm Tapered To 6.5mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.58
		<i>For Up To 10, Add</i>	5.15
		<i>For >10 To 50, Add</i>	2.58
		<i>For Metal Stud Clip, Add</i>	2.67
04 01 20 41-0104	EA	10mm Tapered To 8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.81
		<i>For Up To 10, Add</i>	5.15
		<i>For >10 To 50, Add</i>	2.58
		<i>For Metal Stud Clip, Add</i>	2.67
04 01 20 41-0105	EA	10mm Tapered To 8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.36
		<i>For Up To 10, Add</i>	5.15
		<i>For >10 To 50, Add</i>	2.58
		<i>For Metal Stud Clip, Add</i>	2.67
04 01 20 41-0106	EA	10mm Tapered To 8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.75
		<i>For Up To 10, Add</i>	5.15
		<i>For >10 To 50, Add</i>	2.58
		<i>For Metal Stud Clip, Add</i>	2.67
04 01 20 41-0107	EA	10mm Tapered To 8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.00
		<i>For Up To 10, Add</i>	5.15
		<i>For >10 To 50, Add</i>	2.58
		<i>For Metal Stud Clip, Add</i>	2.67
04 01 20 41-0108	EA	10mm Tapered To 8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.17
		<i>For Up To 10, Add</i>	5.15
		<i>For >10 To 50, Add</i>	2.58
		<i>For Metal Stud Clip, Add</i>	2.67
04 01 20 41-0109	EA	10mm Tapered To 8mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.58
		<i>For Up To 10, Add</i>	5.15
		<i>For >10 To 50, Add</i>	2.58
		<i>For Metal Stud Clip, Add</i>	2.67
04 01 20 41-0110	EA	304 Stainless Steel, Seismic Connector (Helifix® DryFix®)	4.79
		Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.	
		<i>For Up To 10, Add</i>	2.57
		<i>For >10 To 50, Add</i>	1.29

04 01 20 41-0111 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) (04 01 20 41-0063)

04 01 20 41-0112	EA	8mm Diameter, 115mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.58
		<i>For Up To 10, Add</i>	5.15
		<i>For >10 To 50, Add</i>	2.58
		<i>For Metal Stud Clip, Add</i>	2.67
04 01 20 41-0113	EA	8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.14
		<i>For Up To 10, Add</i>	5.15
		<i>For >10 To 50, Add</i>	2.58
		<i>For Metal Stud Clip, Add</i>	2.67
04 01 20 41-0114	EA	8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.25
		<i>For Up To 10, Add</i>	5.15
		<i>For >10 To 50, Add</i>	2.58
		<i>For Metal Stud Clip, Add</i>	2.67
04 01 20 41-0115	EA	8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.48
		<i>For Up To 10, Add</i>	5.15
		<i>For >10 To 50, Add</i>	2.58
		<i>For Metal Stud Clip, Add</i>	2.67
04 01 20 41-0116	EA	8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.89
		<i>For Up To 10, Add</i>	5.15
		<i>For >10 To 50, Add</i>	2.58
		<i>For Metal Stud Clip, Add</i>	2.67
04 01 20 41-0117	EA	8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.22
		<i>For Up To 10, Add</i>	5.15
		<i>For >10 To 50, Add</i>	2.58
		<i>For Metal Stud Clip, Add</i>	2.67
04 01 20 41-0118	EA	8mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.40
		<i>For Up To 10, Add</i>	5.15
		<i>For >10 To 50, Add</i>	2.58
		<i>For Metal Stud Clip, Add</i>	2.67
04 01 20 41-0119	EA	8mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.62
		<i>For Up To 10, Add</i>	5.15
		<i>For >10 To 50, Add</i>	2.58
		<i>For Metal Stud Clip, Add</i>	2.67



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0120 EA 8mm Diameter, 325mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.45	
<i>For Up To 10, Add</i>	5.15	
<i>For >10 To 50, Add</i>	2.58	
<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0121 EA 8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.60	
<i>For Up To 10, Add</i>	5.15	
<i>For >10 To 50, Add</i>	2.58	
<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0122 EA 8mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.79	
<i>For Up To 10, Add</i>	5.15	
<i>For >10 To 50, Add</i>	2.58	
<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0123 EA 8mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	14.80	
<i>For Up To 10, Add</i>	5.15	
<i>For >10 To 50, Add</i>	2.58	
<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0124 EA 8mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	15.67	
<i>For Up To 10, Add</i>	5.15	
<i>For >10 To 50, Add</i>	2.58	
<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0125 EA 8mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	18.73	
<i>For Up To 10, Add</i>	5.15	
<i>For >10 To 50, Add</i>	2.58	
<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0126 EA 8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	21.20	
<i>For Up To 10, Add</i>	5.15	
<i>For >10 To 50, Add</i>	2.58	
<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0127 EA 8mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	24.81	
<i>For Up To 10, Add</i>	5.15	
<i>For >10 To 50, Add</i>	2.58	
<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0128 EA 10mm Diameter, 125mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.87	
<i>For Up To 10, Add</i>	5.15	
<i>For >10 To 50, Add</i>	2.58	
<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0129 EA 10mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.42	
<i>For Up To 10, Add</i>	5.15	
<i>For >10 To 50, Add</i>	2.58	
<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0130 EA 10mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.96	
<i>For Up To 10, Add</i>	5.15	
<i>For >10 To 50, Add</i>	2.58	
<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0131 EA 10mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.45	
<i>For Up To 10, Add</i>	5.15	
<i>For >10 To 50, Add</i>	2.58	
<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0132 EA 10mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.76	
<i>For Up To 10, Add</i>	5.15	
<i>For >10 To 50, Add</i>	2.58	
<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0133 EA 10mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.97	
<i>For Up To 10, Add</i>	5.15	
<i>For >10 To 50, Add</i>	2.58	
<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0134 EA 10mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.34	
<i>For Up To 10, Add</i>	5.15	
<i>For >10 To 50, Add</i>	2.58	
<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0135 EA 10mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.48	
<i>For Up To 10, Add</i>	5.15	
<i>For >10 To 50, Add</i>	2.58	
<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0136 EA 10mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.14	
<i>For Up To 10, Add</i>	5.15	
<i>For >10 To 50, Add</i>	2.58	
<i>For Metal Stud Clip, Add</i>	2.67	

04 Masonry

04 01 Maintenance Of Masonry

04 01 20 Maintenance Of Unit Masonry



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
04 01 20 41-0137	EA	10mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	14.05	
		<i>For Up To 10, Add</i>	5.15	
		<i>For >10 To 50, Add</i>	2.58	
		<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0138	EA	10mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	14.89	
		<i>For Up To 10, Add</i>	5.15	
		<i>For >10 To 50, Add</i>	2.58	
		<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0139	EA	10mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	15.94	
		<i>For Up To 10, Add</i>	5.15	
		<i>For >10 To 50, Add</i>	2.58	
		<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0140	EA	10mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	21.68	
		<i>For Up To 10, Add</i>	5.15	
		<i>For >10 To 50, Add</i>	2.58	
		<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0141	EA	10mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	24.42	
		<i>For Up To 10, Add</i>	5.15	
		<i>For >10 To 50, Add</i>	2.58	
		<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0142	EA	10mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	29.40	
		<i>For Up To 10, Add</i>	5.15	
		<i>For >10 To 50, Add</i>	2.58	
		<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0143	EA	8mm Tapered To 6.5mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.21	
		<i>For Up To 10, Add</i>	5.15	
		<i>For >10 To 50, Add</i>	2.58	
		<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0144	EA	8mm Tapered To 6.5mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.52	
		<i>For Up To 10, Add</i>	5.15	
		<i>For >10 To 50, Add</i>	2.58	
		<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0145	EA	8mm Tapered To 6.5mm Diameter, 185mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.74	
		<i>For Up To 10, Add</i>	5.15	
		<i>For >10 To 50, Add</i>	2.58	
		<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0146	EA	8mm Tapered To 6.5mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.91	
		<i>For Up To 10, Add</i>	5.15	
		<i>For >10 To 50, Add</i>	2.58	
		<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0147	EA	8mm Tapered To 6.5mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.41	
		<i>For Up To 10, Add</i>	5.15	
		<i>For >10 To 50, Add</i>	2.58	
		<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0148	EA	8mm Tapered To 6.5mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	13.21	
		<i>For Up To 10, Add</i>	5.15	
		<i>For >10 To 50, Add</i>	2.58	
		<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0149	EA	8mm Tapered To 6.5mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	13.47	
		<i>For Up To 10, Add</i>	5.15	
		<i>For >10 To 50, Add</i>	2.58	
		<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0150	EA	8mm Tapered To 6.5mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	14.25	
		<i>For Up To 10, Add</i>	5.15	
		<i>For >10 To 50, Add</i>	2.58	
		<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0151	EA	10mm Tapered To 8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.01	
		<i>For Up To 10, Add</i>	5.15	
		<i>For >10 To 50, Add</i>	2.58	
		<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0152	EA	10mm Tapered To 8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.70	
		<i>For Up To 10, Add</i>	5.15	
		<i>For >10 To 50, Add</i>	2.58	
		<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0153	EA	10mm Tapered To 8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	13.18	
		<i>For Up To 10, Add</i>	5.15	
		<i>For >10 To 50, Add</i>	2.58	
		<i>For Metal Stud Clip, Add</i>	2.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0154 EA 10mm Tapered To 8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.49	
<i>For Up To 10, Add</i>	5.15	
<i>For >10 To 50, Add</i>	2.58	
<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0155 EA 10mm Tapered To 8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.70	
<i>For Up To 10, Add</i>	5.15	
<i>For >10 To 50, Add</i>	2.58	
<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0156 EA 10mm Tapered To 8mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	14.22	
<i>For Up To 10, Add</i>	5.15	
<i>For >10 To 50, Add</i>	2.58	
<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0157 EA 316 Stainless Steel, Seismic Connector (Helifix® DryFix®)	5.34	
Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.		
<i>For Up To 10, Add</i>	2.57	
<i>For >10 To 50, Add</i>	1.29	
04 01 20 41-0158 Concrete Patching Pins (Helifix® PatchPin) <small>(04 01 20 41-0001)</small>		
Note: Austenitic stainless steel. For patching reinforced concrete. Includes drilling. Excludes patching mortar.		
04 01 20 41-0159 304 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin)		
<small>(04 01 20 41-0158)</small>		
04 01 20 41-0160 EA 8mm Diameter, 70mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	7.13	
<i>For Up To 10, Add</i>	5.15	
<i>For >10 To 50, Add</i>	2.58	
04 01 20 41-0161 EA 8mm Diameter, 102mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	7.19	
<i>For Up To 10, Add</i>	5.15	
<i>For >10 To 50, Add</i>	2.58	
04 01 20 41-0162 316 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin)		
<small>(04 01 20 41-0158)</small>		
04 01 20 41-0163 EA 8mm Diameter, 70mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	7.52	
<i>For Up To 10, Add</i>	5.15	
<i>For >10 To 50, Add</i>	2.58	
04 01 20 41-0164 EA 8mm Diameter, 102mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	7.61	
<i>For Up To 10, Add</i>	5.15	
<i>For >10 To 50, Add</i>	2.58	
04 01 20 41-0165 Movement Joint Ties (Helifix® Movement Joint Tie) <small>(04 01 20 41-0001)</small>		
Note: Austenitic stainless steel. For creating movement joints in existing walls. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout.		
04 01 20 41-0166 304 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) <small>(04 01 20 41-0165)</small>		
04 01 20 41-0167 EA 6mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie)	45.58	
<i>For Up To 10, Add</i>	34.32	
<i>For >10 To 50, Add</i>	17.16	
04 01 20 41-0168 316 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) <small>(04 01 20 41-0165)</small>		
04 01 20 41-0169 EA 6mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie)	47.33	
<i>For Up To 10, Add</i>	34.32	
<i>For >10 To 50, Add</i>	17.16	
04 01 20 41-0170 Unit Masonry Stabilization <small>(04 01 20 41)</small>		
04 01 20 41-0171 Repair Bulging Or Loose Masonry <small>(04 01 20 41-0170)</small>		
04 01 20 41-0172 SF Repair Bulging Or Loose Masonry Using Existing Masonry	67.84	
Note: Includes saw cutting, toothing, removing loose masonry, installing anchor and reinstalling brick and mortar.		
04 01 20 41-0173 SF Repair Bulging Or Loose Masonry Using New Masonry	74.36	
Note: Includes saw cutting, toothing, removing loose masonry, installing anchor and installing new brick and mortar.		
04 01 20 51 Unit Masonry Maintenance <small>(04 01 20)</small>		
04 01 20 51-0001 Grind Unit Masonry <small>(04 01 20 51)</small>		
04 01 20 51-0002 SF Grind Smooth Masonry Wall	3.20	
04 01 20 91 Unit Masonry Restoration <small>(04 01 20)</small>		

04 Masonry**04 01 Maintenance Of Masonry****04 01 20 Maintenance Of Unit Masonry**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 91-0001 Cut And Repoint Masonry <small>(04 01 20 91)</small> Note: Remove existing mortar to 3/4" depth. Repoint with pointing mortar. Includes pointing mortar, cutting, rinsing and cleaning joint.		
04 01 20 91-0002 SF Cut And Repoint Brick, Hard Intact Mortar, Running Bond	8.49	
For Common Bond, Add	0.32	
For Flemish Bond, Add	1.12	
For English Bond, Add	1.85	
For Oversized Or Larger Than Standard, Deduct	-1.27	
For >250 To 1,000, Deduct	-0.40	
For >1,000, Deduct	-0.83	
04 01 20 91-0003 SF Cut And Repoint Brick, Soft, Loose Or Crumbling Mortar, Running Bond	5.91	
For Common Bond, Add	0.22	
For Flemish Bond, Add	0.76	
For English Bond, Add	1.25	
For Oversized Or Larger Than Standard, Deduct	-0.89	
For >250 To 1,000, Deduct	-0.27	
For >1,000, Deduct	-0.57	
04 01 20 91-0004 SF Cut And Repoint Concrete Block, Hard Intact Mortar, Running Bond	4.43	
For Common Bond, Add	0.16	
For Oversized Or Larger Than Standard, Deduct	-0.66	
For >250 To 1,000, Deduct	-0.20	
For >1,000, Deduct	-0.42	
04 01 20 91-0005 SF Cut And Repoint Concrete Block, Soft, Loose Or Crumbling Mortar, Running Bond	3.16	
For Common Bond, Add	0.11	
For Oversized Or Larger Than Standard, Deduct	-0.47	
For >250 To 1,000, Deduct	-0.14	
For >1,000, Deduct	-0.29	
04 01 20 91-0006 LF Cut And Repoint Brick/Block, Irregular Shapes And Other Than Complete SF Area	2.55	
04 01 20 91-0007 Repair Masonry <small>(04 01 20 91)</small> Note: Includes mortar for repair.		
04 01 20 91-0008 SF Patch And Repair Terra Cotta Walls Or Coping, Including Replacement Of Damaged Material	14.51	
04 01 20 91-0009 SF Patch And Repair Terra Cotta Floors, Including Replacement Of Damaged Material	13.39	
04 01 20 91-0010 LF Chip And Repair With Masonry Patch, Cracks Up To 1/4"	3.91	
04 01 20 91-0011 SF Patching Over Masonry Surface With Elastomeric Paint Using A Trowel 6" Blade	6.79	
04 01 20 91-0012 LF Pressure Grout Block/Brick Using LA City RGA Rule Of General Application 1-91 (Portland Cement Base)	354.10	
04 01 20 91-0013 LF Pressure Grout Block/Brick Master Builders RHEOCHEM 900 (Portland Cement Base)	101.02	
04 01 20 91-0014 LF Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (SealBoss 1570)	25.05	
For Cracks Accessible From Both Sides, Add	5.07	
04 01 20 91-0015 LF Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (Sikadur® 52)	23.06	
For Cracks Accessible From Both Sides, Add	5.07	
04 01 20 91-0016 LF Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied Trowel (Sikadur® 52)	6.52	
For V-Grooving Crack With Grinder, Add	4.62	
04 01 20 91-0017 LF >1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied With Trowel (Sikadur® 52)	8.84	
For V-Grooving Crack With Grinder, Add	4.38	
04 01 40 Maintenance of Stone Assemblies <small>(04 01)</small>		
04 01 40 91 Stone Restoration <small>(04 01 40)</small>		
04 01 40 91-0001 Cut And Repoint <small>(04 01 40 91)</small>		
04 01 40 91-0002 LF Cut And Repoint Stone Work	5.08	
04 01 40 91-0003 Repair <small>(04 01 40 91)</small>		
04 01 40 91-0004 SF Repair Field Stone Walls, Including Remove Damaged Stones And Reset	33.24	
04 01 40 91-0005 SF Repair Molded Stone	3.48	
04 01 40 91-0006 Clean And Patch Existing Stonework <small>(04 01 40 91)</small> Note: Excludes cutting, drilling or anchor bolts if required.		
04 01 40 91-0007 SF Clean And Patch Existing Stonework	3.44	
04 01 40 91-0008 Removal Of Deteriorated Stone <small>(04 01 40 91)</small> Note: Includes cutting of stone for removal.		
04 01 40 91-0009 SF Removal Of Deteriorated Stone	7.95	
Note: Does not include material for stone replacement		
04 01 50 Maintenance of Refractory Masonry <small>(04 01)</small>		
04 01 50 52 Refractory Masonry Cleaning <small>(04 01 50)</small>		
04 01 50 52-0001 Chimney Cleaning <small>(04 01 50 52)</small>		
04 01 50 52-0002 LF Up To 2 SF Cross Section Chimney Cleaning	5.61	
04 01 50 52-0003 LF >2 To 4 SF Cross Section Chimney Cleaning	11.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 01 50 52-0004 LF >4 SF Cross Section Chimney Cleaning.....	16.83	
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04 05 Common Work Results For Masonry ⁽⁰⁴⁾

04 05 13 Masonry Mortaring ^(04 05)

04 05 13 26 Engineered Masonry Mortaring ^(04 05 13)

Note: Mortar, sand and standard supplements are included in the cost of brick, block, stone, simulated or synthetic masonry units.

04 05 13 26-0001 Masonry Cement Mortar ^(04 05 13 26)		
Note: Ratio is bag material to sand.		
04 05 13 26-0002	CF	Type M Masonry Cement 1:1:6 Mix 5.53
04 05 13 26-0003	CF	Type N Masonry Cement 1:3 Mix 5.11
04 05 13 26-0004	CF	Type O Masonry Cement 1:3 Mix 5.24
04 05 13 26-0005	CF	Type PM Masonry Cement 1:1:6 Mix, 2,500 PSI 5.74
04 05 13 26-0006	CF	Type S Masonry Cement 1/2:1:4 Mix 6.05

04 05 13 26-0007 Mortar Admixture ^(04 05 13 26)		
04 05 13 26-0008	CF	Water - Repellent Stearate - Cost Based On CF Of Mortar 0.37
04 05 13 26-0009	CF	Pozzolanic Plasticizers - Cost Based On CF Of Mortar 0.07

04 05 13 26-0010 Color Admixtures For Mortar ^(04 05 13 26)		
Note: Costs are based on CF of mortar.		
04 05 13 26-0011	CF	Buff Colored Admixture 2.32
04 05 13 26-0012	CF	Brown Colored Admixture 2.63
04 05 13 26-0013	CF	Black Colored Admixture 3.25
04 05 13 26-0014	CF	Red Colored Admixture 7.11

04 05 13 26-0015 Portland Cement ^(04 05 13 26)		
04 05 13 26-0016	CF	Normal Portland Cement (Type I) 12.33
04 05 13 26-0017	CF	Modified Portland Cement (Type II) 6.15
04 05 13 26-0018	CF	High Early Strength Portland Cement (Type III) 6.53
04 05 13 26-0019	CF	White Non Staining Portland Cement (Type I) 13.66

04 05 16 Masonry Grouting ^(04 05)

04 05 16 26 Engineered Masonry Grouting ^(04 05 16)

Note: Does not include reinforcement.

04 05 16 26-0001 Grout Bond Beams And Lintels, Grout Fill ^(04 05 16 26)		
Note: Excludes block.		
04 05 16 26-0002	LF	Grout Bond Beams And Lintels - 6" Block, Grout Fill Only, 0.1125 CF/LF, 8" Deep 3.81
04 05 16 26-0003	LF	Grout Bond Beams And Lintels - 8" Block, Grout Fill Only, 0.20 CF/LF, 8" Deep 4.17
04 05 16 26-0004	LF	Grout Bond Beams And Lintels - 10" Block, Grout Fill Only, 0.25 CF/LF, 8" Deep 4.66
04 05 16 26-0005	LF	Grout Bond Beams And Lintels, 12" Block, Grout Fill Only, 0.30 CF/LF, 8" Deep 5.20

04 05 16 26-0006 Grout Concrete Block Cores, Grout Fill ^(04 05 16 26)		
Note: Per SF of face area filled.		
04 05 16 26-0007	SF	Grout Concrete Block Cores- 4" Block, Grout Fill Block Solid (0.067 CF/SF) 2.96
04 05 16 26-0008	SF	Grout Concrete Block Cores- 6" Block, Grout Fill Block Solid (0.175 CF/SF) 4.32
04 05 16 26-0009	SF	Grout Concrete Block Cores- 8" Block, Grout Fill Block Solid (0.258 CF/SF) 6.17
04 05 16 26-0010	SF	Grout Concrete Block Cores- 10" Block, Grout Fill Block Solid (0.34 CF/SF) 7.58
04 05 16 26-0011	SF	Grout Concrete Block Cores- 12" Block, Grout Fill Block Solid (0.422 CF/SF) 8.96

04 05 16 26-0012 Grout Cavity Walls, Grout Fill ^(04 05 16 26)		
Note: Per SF of face area filled.		
04 05 16 26-0013	SF	Grout Cavity Walls - 2" Space, Grout Fill (0.167 CF/SF) 3.51
04 05 16 26-0014	SF	Grout Cavity Walls - 3" Space, Grout Fill (0.250 CF/SF) 4.94
04 05 16 26-0015	SF	Grout Cavity Walls - 4" Space, Grout Fill (0.333 CF/SF) 6.22
04 05 16 26-0016	SF	Grout Cavity Walls - 6" Space, Grout Fill (0.500 CF/SF) 8.44

04 05 16 26-0017 Grout Frames, Grout Fill ^(04 05 16 26)		
04 05 16 26-0018	LF	Grout Door Frames - Grout Fill 5.57
04 05 16 26-0019	LF	Grout Window Frames - Grout Fill 4.78

04 05 16 26-0020 Sand Filled Walls ^(04 05 16 26)

04 05 16 26-0021 Sand Fill Cavity Walls, Sand Fill ^(04 05 16 26-0020)		
Note: Per SF of face area filled.		
04 05 16 26-0022	SF	Sand Fill Cavity Walls - 2" Space, Sand Fill (0.167 CF/SF) 2.95
04 05 16 26-0023	SF	Sand Fill Cavity Walls - 3" Space, Sand Fill (0.250 CF/SF) 4.06
04 05 16 26-0024	SF	Sand Fill Cavity Walls - 4" Space, Sand Fill (0.333 CF/SF) 5.02

04 Masonry**04 05 Common Work Results For Masonry****04 05 16 Masonry Grouting**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 16 26-0025	SF	Sand Fill Cavity Walls - 6" Space, Sand Fill (0.500 CF/SF)	6.71	
04 05 19 Masonry Anchorage And Reinforcing (04 05)				
04 05 19 13 Continuous Joint Reinforcing (04 05 19)				
Note: Includes cutting and bending.				
04 05 19 13-0001		Continuous Joint Reinforcing (04 05 19 13)		
04 05 19 13-0002		Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0001)		
04 05 19 13-0003		Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0002)		
04 05 19 13-0004		Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0003)		
04 05 19 13-0005	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	54.29	
		For Hot-Dipped Galvanized, Add	10.35	
		For Stainless Steel, Add	41.40	
04 05 19 13-0006	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	57.63	
		For Hot-Dipped Galvanized, Add	10.88	
		For Stainless Steel, Add	43.50	
04 05 19 13-0007	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	62.07	
		For Hot-Dipped Galvanized, Add	11.46	
		For Stainless Steel, Add	45.84	
04 05 19 13-0008	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	67.31	
		For Hot-Dipped Galvanized, Add	12.13	
		For Stainless Steel, Add	48.50	
04 05 19 13-0009	CLF	#12 (For 12" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	73.39	
		For Hot-Dipped Galvanized, Add	12.78	
		For Stainless Steel, Add	51.10	
04 05 19 13-0010	CLF	#13 (For 13" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	77.84	
		For Hot-Dipped Galvanized, Add	13.09	
		For Stainless Steel, Add	52.36	
04 05 19 13-0011	CLF	#14 (For 14" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	81.16	
		For Hot-Dipped Galvanized, Add	13.46	
		For Stainless Steel, Add	53.82	
04 05 19 13-0012	CLF	#16 (For 16" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	94.69	
		For Hot-Dipped Galvanized, Add	18.50	
		For Stainless Steel, Add	73.98	
04 05 19 13-0013	CLF	#18 (For 18" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	118.33	
		For Hot-Dipped Galvanized, Add	28.60	
		For Stainless Steel, Add	114.38	
04 05 19 13-0014		Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0003)		
04 05 19 13-0015	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	65.77	
		For Hot-Dipped Galvanized, Add	16.09	
		For Stainless Steel, Add	64.36	
04 05 19 13-0016	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	69.23	
		For Hot-Dipped Galvanized, Add	16.68	
		For Stainless Steel, Add	66.70	
04 05 19 13-0017	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	73.80	
		For Hot-Dipped Galvanized, Add	17.33	
		For Stainless Steel, Add	69.30	
04 05 19 13-0018	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	78.91	
		For Hot-Dipped Galvanized, Add	17.93	
		For Stainless Steel, Add	71.70	
04 05 19 13-0019	CLF	#12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	84.96	
		For Hot-Dipped Galvanized, Add	18.56	
		For Stainless Steel, Add	74.24	
04 05 19 13-0020	CLF	#13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	89.47	
		For Hot-Dipped Galvanized, Add	18.91	
		For Stainless Steel, Add	75.64	
04 05 19 13-0021	CLF	#14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	92.70	
		For Hot-Dipped Galvanized, Add	19.23	
		For Stainless Steel, Add	76.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0022 CLF #16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	109.94	
<i>For Hot-Dipped Galvanized, Add</i>	26.13	
<i>For Stainless Steel, Add</i>	104.50	
04 05 19 13-0023 CLF #18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	144.50	
<i>For Hot-Dipped Galvanized, Add</i>	41.69	
<i>For Stainless Steel, Add</i>	166.74	
04 05 19 13-0024 Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0003)</small>		
04 05 19 13-0025 CLF #4 (For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	76.89	
<i>For Hot-Dipped Galvanized, Add</i>	21.65	
<i>For Stainless Steel, Add</i>	86.60	
04 05 19 13-0026 CLF #6 (For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	81.85	
<i>For Hot-Dipped Galvanized, Add</i>	22.84	
<i>For Stainless Steel, Add</i>	91.36	
04 05 19 13-0027 CLF #8 (For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	86.82	
<i>For Hot-Dipped Galvanized, Add</i>	24.03	
<i>For Stainless Steel, Add</i>	96.12	
04 05 19 13-0028 CLF #10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	93.97	
<i>For Hot-Dipped Galvanized, Add</i>	25.46	
<i>For Stainless Steel, Add</i>	101.82	
04 05 19 13-0029 CLF #12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	101.10	
<i>For Hot-Dipped Galvanized, Add</i>	26.87	
<i>For Stainless Steel, Add</i>	107.46	
04 05 19 13-0030 CLF #13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	106.92	
<i>For Hot-Dipped Galvanized, Add</i>	27.63	
<i>For Stainless Steel, Add</i>	110.50	
04 05 19 13-0031 CLF #14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	110.37	
<i>For Hot-Dipped Galvanized, Add</i>	28.28	
<i>For Stainless Steel, Add</i>	113.10	
04 05 19 13-0032 CLF #16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	116.85	
<i>For Hot-Dipped Galvanized, Add</i>	29.58	
<i>For Stainless Steel, Add</i>	118.30	
04 05 19 13-0033 CLF #18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	159.41	
<i>For Hot-Dipped Galvanized, Add</i>	49.14	
<i>For Stainless Steel, Add</i>	196.54	
04 05 19 13-0034 Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0003)</small>		
04 05 19 13-0035 CLF #4 (For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	80.72	
<i>For Hot-Dipped Galvanized, Add</i>	23.57	
<i>For Stainless Steel, Add</i>	94.26	
04 05 19 13-0036 CLF #6 (For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	84.03	
<i>For Hot-Dipped Galvanized, Add</i>	24.08	
<i>For Stainless Steel, Add</i>	96.30	
04 05 19 13-0037 CLF #8 (For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	88.47	
<i>For Hot-Dipped Galvanized, Add</i>	24.67	
<i>For Stainless Steel, Add</i>	98.66	
04 05 19 13-0038 CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	93.72	
<i>For Hot-Dipped Galvanized, Add</i>	25.33	
<i>For Stainless Steel, Add</i>	101.32	
04 05 19 13-0039 CLF #12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	99.81	
<i>For Hot-Dipped Galvanized, Add</i>	25.98	
<i>For Stainless Steel, Add</i>	103.92	
04 05 19 13-0040 CLF #13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	104.26	
<i>For Hot-Dipped Galvanized, Add</i>	26.30	
<i>For Stainless Steel, Add</i>	105.18	
04 05 19 13-0041 CLF #14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	107.56	
<i>For Hot-Dipped Galvanized, Add</i>	26.66	
<i>For Stainless Steel, Add</i>	106.64	
04 05 19 13-0042 CLF #16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	121.10	
<i>For Hot-Dipped Galvanized, Add</i>	31.70	
<i>For Stainless Steel, Add</i>	126.80	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0043			Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0003)</small>		
04 05 19 13-0044	CLF	#4	(For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	92.19	
			<i>For Hot-Dipped Galvanized, Add</i>	29.30	
			<i>For Stainless Steel, Add</i>	117.20	
04 05 19 13-0045	CLF	#6	(For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	95.66	
			<i>For Hot-Dipped Galvanized, Add</i>	29.89	
			<i>For Stainless Steel, Add</i>	119.56	
04 05 19 13-0046	CLF	#8	(For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	100.21	
			<i>For Hot-Dipped Galvanized, Add</i>	30.54	
			<i>For Stainless Steel, Add</i>	122.14	
04 05 19 13-0047	CLF	#10	(For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	105.34	
			<i>For Hot-Dipped Galvanized, Add</i>	31.14	
			<i>For Stainless Steel, Add</i>	124.56	
04 05 19 13-0048	CLF	#12	(For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	111.40	
			<i>For Hot-Dipped Galvanized, Add</i>	31.78	
			<i>For Stainless Steel, Add</i>	127.10	
04 05 19 13-0049	CLF	#13	(For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	115.89	
			<i>For Hot-Dipped Galvanized, Add</i>	32.12	
			<i>For Stainless Steel, Add</i>	128.48	
04 05 19 13-0050	CLF	#14	(For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	119.13	
			<i>For Hot-Dipped Galvanized, Add</i>	32.44	
			<i>For Stainless Steel, Add</i>	129.76	
04 05 19 13-0051	CLF	#16	(For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	136.37	
			<i>For Hot-Dipped Galvanized, Add</i>	39.34	
			<i>For Stainless Steel, Add</i>	157.36	
04 05 19 13-0052	CLF	#18	(For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	170.93	
			<i>For Hot-Dipped Galvanized, Add</i>	54.90	
			<i>For Stainless Steel, Add</i>	219.60	
04 05 19 13-0053			Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0003)</small>		
04 05 19 13-0054	CLF	#4	(For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	103.30	
			<i>For Hot-Dipped Galvanized, Add</i>	34.86	
			<i>For Stainless Steel, Add</i>	139.42	
04 05 19 13-0055	CLF	#6	(For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	108.26	
			<i>For Hot-Dipped Galvanized, Add</i>	36.05	
			<i>For Stainless Steel, Add</i>	144.18	
04 05 19 13-0056	CLF	#8	(For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	113.24	
			<i>For Hot-Dipped Galvanized, Add</i>	37.24	
			<i>For Stainless Steel, Add</i>	148.96	
04 05 19 13-0057	CLF	#10	(For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	120.38	
			<i>For Hot-Dipped Galvanized, Add</i>	38.66	
			<i>For Stainless Steel, Add</i>	154.64	
04 05 19 13-0058	CLF	#12	(For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	127.52	
			<i>For Hot-Dipped Galvanized, Add</i>	40.08	
			<i>For Stainless Steel, Add</i>	160.30	
04 05 19 13-0059	CLF	#13	(For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	133.33	
			<i>For Hot-Dipped Galvanized, Add</i>	40.83	
			<i>For Stainless Steel, Add</i>	163.32	
04 05 19 13-0060	CLF	#14	(For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	136.78	
			<i>For Hot-Dipped Galvanized, Add</i>	41.48	
			<i>For Stainless Steel, Add</i>	165.92	
04 05 19 13-0061	CLF	#16	(For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	143.26	
			<i>For Hot-Dipped Galvanized, Add</i>	42.78	
			<i>For Stainless Steel, Add</i>	171.12	
04 05 19 13-0062	CLF	#18	(For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	185.82	
			<i>For Hot-Dipped Galvanized, Add</i>	62.34	
			<i>For Stainless Steel, Add</i>	249.36	
04 05 19 13-0063			Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0003)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0064 CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	107.13	
<i>For Hot-Dipped Galvanized, Add</i>	36.77	
<i>For Stainless Steel, Add</i>	147.08	
04 05 19 13-0065 CLF #6 (For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	110.45	
<i>For Hot-Dipped Galvanized, Add</i>	37.29	
<i>For Stainless Steel, Add</i>	149.14	
04 05 19 13-0066 CLF #8 (For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	114.89	
<i>For Hot-Dipped Galvanized, Add</i>	37.88	
<i>For Stainless Steel, Add</i>	151.50	
04 05 19 13-0067 CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	120.14	
<i>For Hot-Dipped Galvanized, Add</i>	38.54	
<i>For Stainless Steel, Add</i>	154.16	
04 05 19 13-0068 CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	126.22	
<i>For Hot-Dipped Galvanized, Add</i>	39.19	
<i>For Stainless Steel, Add</i>	156.74	
04 05 19 13-0069 CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	130.68	
<i>For Hot-Dipped Galvanized, Add</i>	39.51	
<i>For Stainless Steel, Add</i>	158.02	
04 05 19 13-0070 CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	133.97	
<i>For Hot-Dipped Galvanized, Add</i>	39.87	
<i>For Stainless Steel, Add</i>	159.46	
04 05 19 13-0071 CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	147.52	
<i>For Hot-Dipped Galvanized, Add</i>	44.91	
<i>For Stainless Steel, Add</i>	179.64	
04 05 19 13-0072 CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	171.15	
<i>For Hot-Dipped Galvanized, Add</i>	55.01	
<i>For Stainless Steel, Add</i>	220.02	
04 05 19 13-0073 Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0003)</small>		
04 05 19 13-0074 CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	118.61	
<i>For Hot-Dipped Galvanized, Add</i>	42.51	
<i>For Stainless Steel, Add</i>	170.04	
04 05 19 13-0075 CLF #6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	122.07	
<i>For Hot-Dipped Galvanized, Add</i>	43.10	
<i>For Stainless Steel, Add</i>	172.38	
04 05 19 13-0076 CLF #8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	126.63	
<i>For Hot-Dipped Galvanized, Add</i>	43.75	
<i>For Stainless Steel, Add</i>	174.98	
04 05 19 13-0077 CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, Four-Wire, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	131.76	
<i>For Hot-Dipped Galvanized, Add</i>	44.35	
<i>For Stainless Steel, Add</i>	177.40	
04 05 19 13-0078 CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	137.82	
<i>For Hot-Dipped Galvanized, Add</i>	44.99	
<i>For Stainless Steel, Add</i>	179.94	
04 05 19 13-0079 CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	142.31	
<i>For Hot-Dipped Galvanized, Add</i>	45.33	
<i>For Stainless Steel, Add</i>	181.32	
04 05 19 13-0080 CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	145.54	
<i>For Hot-Dipped Galvanized, Add</i>	45.65	
<i>For Stainless Steel, Add</i>	182.58	
04 05 19 13-0081 CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	162.78	
<i>For Hot-Dipped Galvanized, Add</i>	52.55	
<i>For Stainless Steel, Add</i>	210.18	
04 05 19 13-0082 CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	197.35	
<i>For Hot-Dipped Galvanized, Add</i>	68.11	
<i>For Stainless Steel, Add</i>	272.44	
04 05 19 13-0083 Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0003)</small>		
04 05 19 13-0084 CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	129.71	
<i>For Hot-Dipped Galvanized, Add</i>	48.06	
<i>For Stainless Steel, Add</i>	192.24	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0085	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	.....	134.68	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	49.26	
		<i>For Stainless Steel, Add</i>	.....	197.02	
04 05 19 13-0086	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	.....	139.66	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	50.45	
		<i>For Stainless Steel, Add</i>	.....	201.80	
04 05 19 13-0087	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	.....	146.79	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	51.87	
		<i>For Stainless Steel, Add</i>	.....	207.46	
04 05 19 13-0088	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	.....	153.94	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	53.29	
		<i>For Stainless Steel, Add</i>	.....	213.14	
04 05 19 13-0089	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	.....	159.75	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	54.04	
		<i>For Stainless Steel, Add</i>	.....	216.16	
04 05 19 13-0090	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	.....	163.20	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	54.69	
		<i>For Stainless Steel, Add</i>	.....	218.76	
04 05 19 13-0091	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	.....	169.67	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	55.99	
		<i>For Stainless Steel, Add</i>	.....	223.94	
04 05 19 13-0092	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	.....	212.24	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	75.55	
		<i>For Stainless Steel, Add</i>	.....	302.20	
04 05 19 13-0093		Ladder-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0002)</small>			
04 05 19 13-0094		9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0083)</small>			
04 05 19 13-0095	CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	.....	78.78	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	17.60	
		<i>For Stainless Steel, Add</i>	.....	70.38	
04 05 19 13-0096	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	.....	86.86	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	19.21	
		<i>For Stainless Steel, Add</i>	.....	76.84	
04 05 19 13-0097	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	.....	94.56	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	20.64	
		<i>For Stainless Steel, Add</i>	.....	82.54	
04 05 19 13-0098	CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	.....	101.05	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	21.46	
		<i>For Stainless Steel, Add</i>	.....	85.84	
04 05 19 13-0099	CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	.....	104.99	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	22.22	
		<i>For Stainless Steel, Add</i>	.....	88.88	
04 05 19 13-0100	CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	.....	112.74	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	23.92	
		<i>For Stainless Steel, Add</i>	.....	95.66	
04 05 19 13-0101	CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	.....	119.41	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	25.31	
		<i>For Stainless Steel, Add</i>	.....	101.24	
04 05 19 13-0102		3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0093)</small>			
04 05 19 13-0103	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	.....	93.07	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	24.74	
		<i>For Stainless Steel, Add</i>	.....	98.96	
04 05 19 13-0104	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	.....	101.19	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	26.38	
		<i>For Stainless Steel, Add</i>	.....	105.50	
04 05 19 13-0105	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	.....	108.73	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	27.72	
		<i>For Stainless Steel, Add</i>	.....	110.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0106 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	115.38	
<i>For Hot-Dipped Galvanized, Add</i>	28.63	
<i>For Stainless Steel, Add</i>	114.50	
04 05 19 13-0107 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	119.29	
<i>For Hot-Dipped Galvanized, Add</i>	29.37	
<i>For Stainless Steel, Add</i>	117.48	
04 05 19 13-0108 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	127.04	
<i>For Hot-Dipped Galvanized, Add</i>	31.07	
<i>For Stainless Steel, Add</i>	124.26	
04 05 19 13-0109 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	133.90	
<i>For Hot-Dipped Galvanized, Add</i>	32.56	
<i>For Stainless Steel, Add</i>	130.22	
04 05 19 13-0110 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0093)</small>		
04 05 19 13-0111 CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	100.02	
<i>For Hot-Dipped Galvanized, Add</i>	28.22	
<i>For Stainless Steel, Add</i>	112.86	
04 05 19 13-0112 CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	109.78	
<i>For Hot-Dipped Galvanized, Add</i>	30.67	
<i>For Stainless Steel, Add</i>	122.68	
04 05 19 13-0113 CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	119.45	
<i>For Hot-Dipped Galvanized, Add</i>	33.08	
<i>For Stainless Steel, Add</i>	132.32	
04 05 19 13-0114 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	126.85	
<i>For Hot-Dipped Galvanized, Add</i>	34.36	
<i>For Stainless Steel, Add</i>	137.44	
04 05 19 13-0115 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	131.62	
<i>For Hot-Dipped Galvanized, Add</i>	35.54	
<i>For Stainless Steel, Add</i>	142.14	
04 05 19 13-0116 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	140.99	
<i>For Hot-Dipped Galvanized, Add</i>	38.04	
<i>For Stainless Steel, Add</i>	152.16	
04 05 19 13-0117 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	149.78	
<i>For Hot-Dipped Galvanized, Add</i>	40.50	
<i>For Stainless Steel, Add</i>	161.98	
04 05 19 13-0118 Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0002)</small>		
04 05 19 13-0119 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0118)</small>		
04 05 19 13-0120 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	117.26	
<i>For Hot-Dipped Galvanized, Add</i>	36.84	
<i>For Stainless Steel, Add</i>	147.34	
04 05 19 13-0121 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	124.36	
<i>For Hot-Dipped Galvanized, Add</i>	37.96	
<i>For Stainless Steel, Add</i>	151.84	
04 05 19 13-0122 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	131.49	
<i>For Hot-Dipped Galvanized, Add</i>	39.10	
<i>For Stainless Steel, Add</i>	156.40	
04 05 19 13-0123 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	141.29	
<i>For Hot-Dipped Galvanized, Add</i>	40.37	
<i>For Stainless Steel, Add</i>	161.48	
04 05 19 13-0124 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	148.18	
<i>For Hot-Dipped Galvanized, Add</i>	41.64	
<i>For Stainless Steel, Add</i>	166.54	
04 05 19 13-0125 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	155.93	
<i>For Hot-Dipped Galvanized, Add</i>	43.57	
<i>For Stainless Steel, Add</i>	174.28	
04 05 19 13-0126 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0118)</small>		

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0127 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	139.67	
For Hot-Dipped Galvanized, Add	48.04	
For Stainless Steel, Add	192.16	
04 05 19 13-0128 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	146.80	
For Hot-Dipped Galvanized, Add	49.18	
For Stainless Steel, Add	196.72	
04 05 19 13-0129 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	154.22	
For Hot-Dipped Galvanized, Add	50.47	
For Stainless Steel, Add	201.86	
04 05 19 13-0130 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	163.73	
For Hot-Dipped Galvanized, Add	51.59	
For Stainless Steel, Add	206.36	
04 05 19 13-0131 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	170.66	
For Hot-Dipped Galvanized, Add	52.88	
For Stainless Steel, Add	211.50	
04 05 19 13-0132 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	177.11	
For Hot-Dipped Galvanized, Add	54.16	
For Stainless Steel, Add	216.64	
04 05 19 13-0133 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0118)		
04 05 19 13-0134 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	141.32	
For Hot-Dipped Galvanized, Add	48.87	
For Stainless Steel, Add	195.46	
04 05 19 13-0135 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	149.69	
For Hot-Dipped Galvanized, Add	50.63	
For Stainless Steel, Add	202.50	
04 05 19 13-0136 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	158.03	
For Hot-Dipped Galvanized, Add	52.37	
For Stainless Steel, Add	209.48	
04 05 19 13-0137 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	169.50	
For Hot-Dipped Galvanized, Add	54.48	
For Stainless Steel, Add	217.90	
04 05 19 13-0138 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	178.05	
For Hot-Dipped Galvanized, Add	56.57	
For Stainless Steel, Add	226.28	
04 05 19 13-0139 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	186.08	
For Hot-Dipped Galvanized, Add	58.65	
For Stainless Steel, Add	234.58	
04 05 19 13-0140 Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0002)		
04 05 19 13-0141 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0140)		
04 05 19 13-0142 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	126.29	
For Hot-Dipped Galvanized, Add	38.93	
For Stainless Steel, Add	155.70	
04 05 19 13-0143 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	133.36	
For Hot-Dipped Galvanized, Add	40.04	
For Stainless Steel, Add	160.14	
04 05 19 13-0144 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	142.84	
For Hot-Dipped Galvanized, Add	41.15	
For Stainless Steel, Add	164.58	
04 05 19 13-0145 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	149.83	
For Hot-Dipped Galvanized, Add	42.46	
For Stainless Steel, Add	169.84	
04 05 19 13-0146 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	156.25	
For Hot-Dipped Galvanized, Add	43.73	
For Stainless Steel, Add	174.92	
04 05 19 13-0147 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	164.04	
For Hot-Dipped Galvanized, Add	46.28	
For Stainless Steel, Add	185.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0148 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0140)</small>		
04 05 19 13-0149 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	148.74	
For Hot-Dipped Galvanized, Add	50.15	
For Stainless Steel, Add	200.60	
04 05 19 13-0150 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	155.84	
For Hot-Dipped Galvanized, Add	51.28	
For Stainless Steel, Add	205.10	
04 05 19 13-0151 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	165.63	
For Hot-Dipped Galvanized, Add	52.54	
For Stainless Steel, Add	210.16	
04 05 19 13-0152 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	172.24	
For Hot-Dipped Galvanized, Add	53.67	
For Stainless Steel, Add	214.66	
04 05 19 13-0153 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	178.69	
For Hot-Dipped Galvanized, Add	54.95	
For Stainless Steel, Add	219.80	
04 05 19 13-0154 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	186.77	
For Hot-Dipped Galvanized, Add	57.65	
For Stainless Steel, Add	230.58	
04 05 19 13-0155 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0140)</small>		
04 05 19 13-0156 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	150.32	
For Hot-Dipped Galvanized, Add	50.94	
For Stainless Steel, Add	203.76	
04 05 19 13-0157 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	158.69	
For Hot-Dipped Galvanized, Add	52.70	
For Stainless Steel, Add	210.80	
04 05 19 13-0158 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	169.50	
For Hot-Dipped Galvanized, Add	54.48	
For Stainless Steel, Add	217.90	
04 05 19 13-0159 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	178.05	
For Hot-Dipped Galvanized, Add	56.57	
For Stainless Steel, Add	226.28	
04 05 19 13-0160 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	186.08	
For Hot-Dipped Galvanized, Add	58.65	
For Stainless Steel, Add	234.58	
04 05 19 13-0161 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	194.73	
For Hot-Dipped Galvanized, Add	61.63	
For Stainless Steel, Add	246.50	
04 05 19 13-0162 Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0002)</small>		
04 05 19 13-0163 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0162)</small>		
04 05 19 13-0164 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	118.91	
For Hot-Dipped Galvanized, Add	35.24	
For Stainless Steel, Add	140.94	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0165 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	125.60	
For Hot-Dipped Galvanized, Add	36.16	
For Stainless Steel, Add	144.62	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0166 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	134.82	
For Hot-Dipped Galvanized, Add	37.14	
For Stainless Steel, Add	148.54	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0167 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	141.27	
For Hot-Dipped Galvanized, Add	38.18	
For Stainless Steel, Add	152.72	
For Seismic Hook And Eye, Add	27.50	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0168	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	147.34	
		<i>For Hot-Dipped Galvanized, Add</i>	39.28	
		<i>For Stainless Steel, Add</i>	157.10	
		<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0169	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	152.00	
		<i>For Hot-Dipped Galvanized, Add</i>	40.26	
		<i>For Stainless Steel, Add</i>	161.04	
		<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0170		3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0162)		
04 05 19 13-0171	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	139.96	
		<i>For Hot-Dipped Galvanized, Add</i>	45.76	
		<i>For Stainless Steel, Add</i>	183.04	
		<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0172	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	146.23	
		<i>For Hot-Dipped Galvanized, Add</i>	46.47	
		<i>For Stainless Steel, Add</i>	185.88	
		<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0173	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	155.52	
		<i>For Hot-Dipped Galvanized, Add</i>	47.49	
		<i>For Stainless Steel, Add</i>	189.94	
		<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0174	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	161.85	
		<i>For Hot-Dipped Galvanized, Add</i>	48.47	
		<i>For Stainless Steel, Add</i>	193.88	
		<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0175	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	167.69	
		<i>For Hot-Dipped Galvanized, Add</i>	49.45	
		<i>For Stainless Steel, Add</i>	197.80	
		<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0176	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	174.63	
		<i>For Hot-Dipped Galvanized, Add</i>	51.58	
		<i>For Stainless Steel, Add</i>	206.30	
		<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0177		3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0162)		
04 05 19 13-0178	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	141.51	
		<i>For Hot-Dipped Galvanized, Add</i>	46.54	
		<i>For Stainless Steel, Add</i>	186.14	
		<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0179	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	149.72	
		<i>For Hot-Dipped Galvanized, Add</i>	48.22	
		<i>For Stainless Steel, Add</i>	192.86	
		<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0180	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	160.31	
		<i>For Hot-Dipped Galvanized, Add</i>	49.88	
		<i>For Stainless Steel, Add</i>	199.52	
		<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0181	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	168.66	
		<i>For Hot-Dipped Galvanized, Add</i>	51.88	
		<i>For Stainless Steel, Add</i>	207.50	
		<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0182	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	176.54	
		<i>For Hot-Dipped Galvanized, Add</i>	53.88	
		<i>For Stainless Steel, Add</i>	215.50	
		<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0183	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	183.19	
		<i>For Hot-Dipped Galvanized, Add</i>	55.86	
		<i>For Stainless Steel, Add</i>	223.42	
		<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0184		Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0002)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0185 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0184)</small>		
04 05 19 13-0186 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	127.94	
For Hot-Dipped Galvanized, Add	37.33	
For Stainless Steel, Add	149.30	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0187 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	137.01	
For Hot-Dipped Galvanized, Add	38.23	
For Stainless Steel, Add	152.92	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0188 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	143.18	
For Hot-Dipped Galvanized, Add	39.14	
For Stainless Steel, Add	156.54	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0189 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	149.37	
For Hot-Dipped Galvanized, Add	40.29	
For Stainless Steel, Add	161.16	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0190 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	154.15	
For Hot-Dipped Galvanized, Add	41.34	
For Stainless Steel, Add	165.34	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0191 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0184)</small>		
04 05 19 13-0192 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	148.23	
For Hot-Dipped Galvanized, Add	47.47	
For Stainless Steel, Add	189.88	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0193 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	157.46	
For Hot-Dipped Galvanized, Add	48.46	
For Stainless Steel, Add	193.82	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0194 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	163.91	
For Hot-Dipped Galvanized, Add	49.50	
For Stainless Steel, Add	198.00	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0195 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	169.47	
For Hot-Dipped Galvanized, Add	50.34	
For Stainless Steel, Add	201.36	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0196 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	174.44	
For Hot-Dipped Galvanized, Add	51.48	
For Stainless Steel, Add	205.92	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0197 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0184)</small>		
04 05 19 13-0198 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	150.32	
For Hot-Dipped Galvanized, Add	48.52	
For Stainless Steel, Add	194.06	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0199 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	160.94	
For Hot-Dipped Galvanized, Add	50.20	
For Stainless Steel, Add	200.78	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0200 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	168.66	
For Hot-Dipped Galvanized, Add	51.88	
For Stainless Steel, Add	207.50	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0201 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	176.54	
For Hot-Dipped Galvanized, Add	53.88	
For Stainless Steel, Add	215.50	
For Seismic Hook And Eye, Add	27.50	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0202	CLF	#18	(For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	183.19	
			<i>For Hot-Dipped Galvanized, Add</i>	55.86	
			<i>For Stainless Steel, Add</i>	223.42	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0203			Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0001)</small>		
04 05 19 13-0204			Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0203)</small>		
04 05 19 13-0205			Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>		
04 05 19 13-0206	CLF	#4	(For 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	62.94	
			<i>For Hot-Dipped Galvanized, Add</i>	14.68	
			<i>For Stainless Steel, Add</i>	58.70	
04 05 19 13-0207	CLF	#6	(For 6" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	65.55	
			<i>For Hot-Dipped Galvanized, Add</i>	14.84	
			<i>For Stainless Steel, Add</i>	59.34	
04 05 19 13-0208	CLF	#8	(For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	69.99	
			<i>For Hot-Dipped Galvanized, Add</i>	15.42	
			<i>For Stainless Steel, Add</i>	61.68	
04 05 19 13-0209	CLF	#10	(For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	75.43	
			<i>For Hot-Dipped Galvanized, Add</i>	16.19	
			<i>For Stainless Steel, Add</i>	64.74	
04 05 19 13-0210	CLF	#12	(For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	81.92	
			<i>For Hot-Dipped Galvanized, Add</i>	17.04	
			<i>For Stainless Steel, Add</i>	68.16	
04 05 19 13-0211	CLF	#13	(For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	86.66	
			<i>For Hot-Dipped Galvanized, Add</i>	17.50	
			<i>For Stainless Steel, Add</i>	70.00	
04 05 19 13-0212	CLF	#14	(For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	90.15	
			<i>For Hot-Dipped Galvanized, Add</i>	18.17	
			<i>For Stainless Steel, Add</i>	72.66	
04 05 19 13-0213	CLF	#16	(For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	108.73	
			<i>For Hot-Dipped Galvanized, Add</i>	25.52	
			<i>For Stainless Steel, Add</i>	102.08	
04 05 19 13-0214	CLF	#18	(For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	115.08	
			<i>For Hot-Dipped Galvanized, Add</i>	26.98	
			<i>For Stainless Steel, Add</i>	107.90	
04 05 19 13-0215	CLF	#20	(For 20" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	158.77	
			<i>For Hot-Dipped Galvanized, Add</i>	46.66	
			<i>For Stainless Steel, Add</i>	186.64	
04 05 19 13-0216			Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>		
04 05 19 13-0217	CLF	#4	(For 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	74.29	
			<i>For Hot-Dipped Galvanized, Add</i>	20.35	
			<i>For Stainless Steel, Add</i>	81.40	
04 05 19 13-0218	CLF	#6	(For 6" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	77.15	
			<i>For Hot-Dipped Galvanized, Add</i>	20.64	
			<i>For Stainless Steel, Add</i>	82.54	
04 05 19 13-0219	CLF	#8	(For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	81.60	
			<i>For Hot-Dipped Galvanized, Add</i>	21.23	
			<i>For Stainless Steel, Add</i>	84.90	
04 05 19 13-0220	CLF	#10	(For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	87.00	
			<i>For Hot-Dipped Galvanized, Add</i>	21.97	
			<i>For Stainless Steel, Add</i>	87.88	
04 05 19 13-0221	CLF	#12	(For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	93.33	
			<i>For Hot-Dipped Galvanized, Add</i>	22.75	
			<i>For Stainless Steel, Add</i>	90.98	
04 05 19 13-0222	CLF	#13	(For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	98.22	
			<i>For Hot-Dipped Galvanized, Add</i>	23.29	
			<i>For Stainless Steel, Add</i>	93.14	
04 05 19 13-0223	CLF	#14	(For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	101.53	
			<i>For Hot-Dipped Galvanized, Add</i>	23.86	
			<i>For Stainless Steel, Add</i>	95.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0224 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	124.01	
<i>For Hot-Dipped Galvanized, Add</i>	33.16	
<i>For Stainless Steel, Add</i>	132.64	
04 05 19 13-0225 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	130.36	
<i>For Hot-Dipped Galvanized, Add</i>	34.62	
<i>For Stainless Steel, Add</i>	138.46	
04 05 19 13-0226 CLF #20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	191.92	
<i>For Hot-Dipped Galvanized, Add</i>	65.40	
<i>For Stainless Steel, Add</i>	261.58	
04 05 19 13-0227 Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>		
04 05 19 13-0228 CLF #4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	91.66	
<i>For Hot-Dipped Galvanized, Add</i>	29.04	
<i>For Stainless Steel, Add</i>	116.14	
04 05 19 13-0229 CLF #6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	94.97	
<i>For Hot-Dipped Galvanized, Add</i>	29.40	
<i>For Stainless Steel, Add</i>	117.60	
04 05 19 13-0230 CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	99.72	
<i>For Hot-Dipped Galvanized, Add</i>	30.48	
<i>For Stainless Steel, Add</i>	121.92	
04 05 19 13-0231 CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	106.97	
<i>For Hot-Dipped Galvanized, Add</i>	31.96	
<i>For Stainless Steel, Add</i>	127.82	
04 05 19 13-0232 CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	114.95	
<i>For Hot-Dipped Galvanized, Add</i>	33.79	
<i>For Stainless Steel, Add</i>	135.16	
04 05 19 13-0233 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	120.93	
<i>For Hot-Dipped Galvanized, Add</i>	34.63	
<i>For Stainless Steel, Add</i>	138.52	
04 05 19 13-0234 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	125.59	
<i>For Hot-Dipped Galvanized, Add</i>	35.89	
<i>For Stainless Steel, Add</i>	143.54	
04 05 19 13-0235 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	158.44	
<i>For Hot-Dipped Galvanized, Add</i>	50.37	
<i>For Stainless Steel, Add</i>	201.48	
04 05 19 13-0236 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	167.59	
<i>For Hot-Dipped Galvanized, Add</i>	53.23	
<i>For Stainless Steel, Add</i>	212.90	
04 05 19 13-0237 CLF #20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	249.50	
<i>For Hot-Dipped Galvanized, Add</i>	92.03	
<i>For Stainless Steel, Add</i>	368.10	
04 05 19 13-0238 Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>		
04 05 19 13-0239 CLF #4 (For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	80.72	
<i>For Hot-Dipped Galvanized, Add</i>	23.57	
<i>For Stainless Steel, Add</i>	94.26	
04 05 19 13-0240 CLF #6 (For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	84.03	
<i>For Hot-Dipped Galvanized, Add</i>	24.08	
<i>For Stainless Steel, Add</i>	96.30	
04 05 19 13-0241 CLF #8 (For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	88.47	
<i>For Hot-Dipped Galvanized, Add</i>	24.67	
<i>For Stainless Steel, Add</i>	98.66	
04 05 19 13-0242 CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	93.72	
<i>For Hot-Dipped Galvanized, Add</i>	25.33	
<i>For Stainless Steel, Add</i>	101.32	
04 05 19 13-0243 CLF #12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	99.81	
<i>For Hot-Dipped Galvanized, Add</i>	25.98	
<i>For Stainless Steel, Add</i>	103.92	
04 05 19 13-0244 CLF #13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	104.26	
<i>For Hot-Dipped Galvanized, Add</i>	26.30	
<i>For Stainless Steel, Add</i>	105.18	
04 05 19 13-0245 CLF #14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	107.56	
<i>For Hot-Dipped Galvanized, Add</i>	26.66	
<i>For Stainless Steel, Add</i>	106.64	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0246	CLF		#16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	121.10	
			<i>For Hot-Dipped Galvanized, Add</i>	31.70	
			<i>For Stainless Steel, Add</i>	126.80	
04 05 19 13-0247			Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>		
04 05 19 13-0248	CLF		#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	92.19	
			<i>For Hot-Dipped Galvanized, Add</i>	29.30	
			<i>For Stainless Steel, Add</i>	117.20	
04 05 19 13-0249	CLF		#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	95.66	
			<i>For Hot-Dipped Galvanized, Add</i>	29.89	
			<i>For Stainless Steel, Add</i>	119.56	
04 05 19 13-0250	CLF		#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	100.21	
			<i>For Hot-Dipped Galvanized, Add</i>	30.54	
			<i>For Stainless Steel, Add</i>	122.14	
04 05 19 13-0251	CLF		#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	105.34	
			<i>For Hot-Dipped Galvanized, Add</i>	31.14	
			<i>For Stainless Steel, Add</i>	124.56	
04 05 19 13-0252	CLF		#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	111.40	
			<i>For Hot-Dipped Galvanized, Add</i>	31.78	
			<i>For Stainless Steel, Add</i>	127.10	
04 05 19 13-0253	CLF		#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	115.89	
			<i>For Hot-Dipped Galvanized, Add</i>	32.12	
			<i>For Stainless Steel, Add</i>	128.48	
04 05 19 13-0254	CLF		#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	119.13	
			<i>For Hot-Dipped Galvanized, Add</i>	32.44	
			<i>For Stainless Steel, Add</i>	129.76	
04 05 19 13-0255	CLF		#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	136.37	
			<i>For Hot-Dipped Galvanized, Add</i>	39.34	
			<i>For Stainless Steel, Add</i>	157.36	
04 05 19 13-0256	CLF		#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	170.93	
			<i>For Hot-Dipped Galvanized, Add</i>	54.90	
			<i>For Stainless Steel, Add</i>	219.60	
04 05 19 13-0257			Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>		
04 05 19 13-0258	CLF		#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	103.30	
			<i>For Hot-Dipped Galvanized, Add</i>	34.86	
			<i>For Stainless Steel, Add</i>	139.42	
04 05 19 13-0259	CLF		#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	108.26	
			<i>For Hot-Dipped Galvanized, Add</i>	36.05	
			<i>For Stainless Steel, Add</i>	144.18	
04 05 19 13-0260	CLF		#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	113.24	
			<i>For Hot-Dipped Galvanized, Add</i>	37.24	
			<i>For Stainless Steel, Add</i>	148.96	
04 05 19 13-0261	CLF		#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	120.38	
			<i>For Hot-Dipped Galvanized, Add</i>	38.66	
			<i>For Stainless Steel, Add</i>	154.64	
04 05 19 13-0262	CLF		#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	127.52	
			<i>For Hot-Dipped Galvanized, Add</i>	40.08	
			<i>For Stainless Steel, Add</i>	160.30	
04 05 19 13-0263	CLF		#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	133.33	
			<i>For Hot-Dipped Galvanized, Add</i>	40.83	
			<i>For Stainless Steel, Add</i>	163.32	
04 05 19 13-0264	CLF		#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	136.78	
			<i>For Hot-Dipped Galvanized, Add</i>	41.48	
			<i>For Stainless Steel, Add</i>	165.92	
04 05 19 13-0265	CLF		#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	143.26	
			<i>For Hot-Dipped Galvanized, Add</i>	42.78	
			<i>For Stainless Steel, Add</i>	171.12	
04 05 19 13-0266	CLF		#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	185.82	
			<i>For Hot-Dipped Galvanized, Add</i>	62.34	
			<i>For Stainless Steel, Add</i>	249.36	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
					UNIT COST	UNIT COST
04 05 19 13-0267				Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>		
04 05 19 13-0268	CLF	#4		(For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	107.13	
				<i>For Hot-Dipped Galvanized, Add</i>	36.77	
				<i>For Stainless Steel, Add</i>	147.08	
04 05 19 13-0269	CLF	#6		(For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	110.45	
				<i>For Hot-Dipped Galvanized, Add</i>	37.29	
				<i>For Stainless Steel, Add</i>	149.14	
04 05 19 13-0270	CLF	#8		(For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	114.89	
				<i>For Hot-Dipped Galvanized, Add</i>	37.88	
				<i>For Stainless Steel, Add</i>	151.50	
04 05 19 13-0271	CLF	#10		(For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	120.14	
				<i>For Hot-Dipped Galvanized, Add</i>	38.54	
				<i>For Stainless Steel, Add</i>	154.16	
04 05 19 13-0272	CLF	#12		(For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	126.22	
				<i>For Hot-Dipped Galvanized, Add</i>	39.19	
				<i>For Stainless Steel, Add</i>	156.74	
04 05 19 13-0273	CLF	#13		(For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	130.68	
				<i>For Hot-Dipped Galvanized, Add</i>	39.51	
				<i>For Stainless Steel, Add</i>	158.02	
04 05 19 13-0274	CLF	#14		(For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	133.97	
				<i>For Hot-Dipped Galvanized, Add</i>	39.87	
				<i>For Stainless Steel, Add</i>	159.46	
04 05 19 13-0275	CLF	#16		(For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	147.52	
				<i>For Hot-Dipped Galvanized, Add</i>	44.91	
				<i>For Stainless Steel, Add</i>	179.64	
04 05 19 13-0276	CLF	#18		(For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	171.15	
				<i>For Hot-Dipped Galvanized, Add</i>	55.01	
				<i>For Stainless Steel, Add</i>	220.02	
04 05 19 13-0277				Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>		
04 05 19 13-0278	CLF	#4		(For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	118.61	
				<i>For Hot-Dipped Galvanized, Add</i>	42.51	
				<i>For Stainless Steel, Add</i>	170.04	
04 05 19 13-0279	CLF	#6		(For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	122.07	
				<i>For Hot-Dipped Galvanized, Add</i>	43.10	
				<i>For Stainless Steel, Add</i>	172.38	
04 05 19 13-0280	CLF	#8		(For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	126.63	
				<i>For Hot-Dipped Galvanized, Add</i>	43.75	
				<i>For Stainless Steel, Add</i>	174.98	
04 05 19 13-0281	CLF	#10		(For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	131.76	
				<i>For Hot-Dipped Galvanized, Add</i>	44.35	
				<i>For Stainless Steel, Add</i>	177.40	
04 05 19 13-0282	CLF	#12		(For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	137.82	
				<i>For Hot-Dipped Galvanized, Add</i>	44.99	
				<i>For Stainless Steel, Add</i>	179.94	
04 05 19 13-0283	CLF	#13		(For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	142.31	
				<i>For Hot-Dipped Galvanized, Add</i>	45.33	
				<i>For Stainless Steel, Add</i>	181.32	
04 05 19 13-0284	CLF	#14		(For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	145.54	
				<i>For Hot-Dipped Galvanized, Add</i>	45.65	
				<i>For Stainless Steel, Add</i>	182.58	
04 05 19 13-0285	CLF	#16		(For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	162.78	
				<i>For Hot-Dipped Galvanized, Add</i>	52.55	
				<i>For Stainless Steel, Add</i>	210.18	
04 05 19 13-0286	CLF	#18		(For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	197.35	
				<i>For Hot-Dipped Galvanized, Add</i>	68.11	
				<i>For Stainless Steel, Add</i>	272.44	
04 05 19 13-0287				Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>		

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0288	CLF	#4	(For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	129.71	
			<i>For Hot-Dipped Galvanized, Add</i>	48.06	
			<i>For Stainless Steel, Add</i>	192.24	
04 05 19 13-0289	CLF	#6	(For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	134.68	
			<i>For Hot-Dipped Galvanized, Add</i>	49.26	
			<i>For Stainless Steel, Add</i>	197.02	
04 05 19 13-0290	CLF	#8	(For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	139.66	
			<i>For Hot-Dipped Galvanized, Add</i>	50.45	
			<i>For Stainless Steel, Add</i>	201.80	
04 05 19 13-0291	CLF	#10	(For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	146.79	
			<i>For Hot-Dipped Galvanized, Add</i>	51.87	
			<i>For Stainless Steel, Add</i>	207.46	
04 05 19 13-0292	CLF	#12	(For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	153.94	
			<i>For Hot-Dipped Galvanized, Add</i>	53.29	
			<i>For Stainless Steel, Add</i>	213.14	
04 05 19 13-0293	CLF	#13	(For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	159.75	
			<i>For Hot-Dipped Galvanized, Add</i>	54.04	
			<i>For Stainless Steel, Add</i>	216.16	
04 05 19 13-0294	CLF	#14	(For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	163.20	
			<i>For Hot-Dipped Galvanized, Add</i>	54.69	
			<i>For Stainless Steel, Add</i>	218.76	
04 05 19 13-0295	CLF	#16	(For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	169.67	
			<i>For Hot-Dipped Galvanized, Add</i>	55.99	
			<i>For Stainless Steel, Add</i>	223.94	
04 05 19 13-0296	CLF	#18	(For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	212.24	
			<i>For Hot-Dipped Galvanized, Add</i>	75.55	
			<i>For Stainless Steel, Add</i>	302.20	
04 05 19 13-0297			Truss-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0203)</small>		
04 05 19 13-0298			9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0297)</small>		
04 05 19 13-0299	CLF	#8	(For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	89.59	
			<i>For Hot-Dipped Galvanized, Add</i>	23.00	
			<i>For Stainless Steel, Add</i>	92.00	
04 05 19 13-0300	CLF	#10	(For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	96.65	
			<i>For Hot-Dipped Galvanized, Add</i>	24.11	
			<i>For Stainless Steel, Add</i>	96.42	
04 05 19 13-0301	CLF	#12	(For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	104.33	
			<i>For Hot-Dipped Galvanized, Add</i>	25.52	
			<i>For Stainless Steel, Add</i>	102.08	
04 05 19 13-0302	CLF	#13	(For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	111.10	
			<i>For Hot-Dipped Galvanized, Add</i>	26.49	
			<i>For Stainless Steel, Add</i>	105.94	
04 05 19 13-0303	CLF	#14	(For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	115.14	
			<i>For Hot-Dipped Galvanized, Add</i>	27.30	
			<i>For Stainless Steel, Add</i>	109.18	
04 05 19 13-0304	CLF	#16	(For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	123.40	
			<i>For Hot-Dipped Galvanized, Add</i>	29.25	
			<i>For Stainless Steel, Add</i>	116.98	
04 05 19 13-0305	CLF	#18	(For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	131.17	
			<i>For Hot-Dipped Galvanized, Add</i>	31.19	
			<i>For Stainless Steel, Add</i>	124.76	
04 05 19 13-0306			3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0297)</small>		
04 05 19 13-0307	CLF	#8	(For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	103.91	
			<i>For Hot-Dipped Galvanized, Add</i>	30.16	
			<i>For Stainless Steel, Add</i>	120.64	
04 05 19 13-0308	CLF	#10	(For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	111.01	
			<i>For Hot-Dipped Galvanized, Add</i>	31.29	
			<i>For Stainless Steel, Add</i>	125.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0309 CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	118.62	
<i>For Hot-Dipped Galvanized, Add</i>	32.67	
<i>For Stainless Steel, Add</i>	130.66	
04 05 19 13-0310 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	125.43	
<i>For Hot-Dipped Galvanized, Add</i>	33.65	
<i>For Stainless Steel, Add</i>	134.60	
04 05 19 13-0311 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	129.37	
<i>For Hot-Dipped Galvanized, Add</i>	34.41	
<i>For Stainless Steel, Add</i>	137.64	
04 05 19 13-0312 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	137.66	
<i>For Hot-Dipped Galvanized, Add</i>	36.38	
<i>For Stainless Steel, Add</i>	145.50	
04 05 19 13-0313 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	145.50	
<i>For Hot-Dipped Galvanized, Add</i>	38.36	
<i>For Stainless Steel, Add</i>	153.42	
04 05 19 13-0314 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0297)</small>		
04 05 19 13-0315 CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	117.20	
<i>For Hot-Dipped Galvanized, Add</i>	36.81	
<i>For Stainless Steel, Add</i>	147.22	
04 05 19 13-0316 CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	125.53	
<i>For Hot-Dipped Galvanized, Add</i>	38.55	
<i>For Stainless Steel, Add</i>	154.18	
04 05 19 13-0317 CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	135.17	
<i>For Hot-Dipped Galvanized, Add</i>	40.94	
<i>For Stainless Steel, Add</i>	163.76	
04 05 19 13-0318 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	142.61	
<i>For Hot-Dipped Galvanized, Add</i>	42.24	
<i>For Stainless Steel, Add</i>	168.96	
04 05 19 13-0319 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	147.63	
<i>For Hot-Dipped Galvanized, Add</i>	43.54	
<i>For Stainless Steel, Add</i>	174.16	
04 05 19 13-0320 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	157.85	
<i>For Hot-Dipped Galvanized, Add</i>	46.47	
<i>For Stainless Steel, Add</i>	185.88	
04 05 19 13-0321 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	166.58	
<i>For Hot-Dipped Galvanized, Add</i>	48.90	
<i>For Stainless Steel, Add</i>	195.58	
04 05 19 13-0322 Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0203)</small>		
04 05 19 13-0323 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0322)</small>		
04 05 19 13-0324 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	134.25	
<i>For Hot-Dipped Galvanized, Add</i>	45.33	
<i>For Stainless Steel, Add</i>	181.32	
04 05 19 13-0325 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	139.73	
<i>For Hot-Dipped Galvanized, Add</i>	45.65	
<i>For Stainless Steel, Add</i>	182.58	
04 05 19 13-0326 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	146.80	
<i>For Hot-Dipped Galvanized, Add</i>	46.76	
<i>For Stainless Steel, Add</i>	187.02	
04 05 19 13-0327 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	157.01	
<i>For Hot-Dipped Galvanized, Add</i>	48.23	
<i>For Stainless Steel, Add</i>	192.92	
04 05 19 13-0328 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	164.86	
<i>For Hot-Dipped Galvanized, Add</i>	49.98	
<i>For Stainless Steel, Add</i>	199.90	
04 05 19 13-0329 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	172.99	
<i>For Hot-Dipped Galvanized, Add</i>	52.10	
<i>For Stainless Steel, Add</i>	208.40	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0330 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0322)		
04 05 19 13-0331 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	156.41	
For Hot-Dipped Galvanized, Add	56.41	
For Stainless Steel, Add	225.64	
04 05 19 13-0332 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	162.21	
For Hot-Dipped Galvanized, Add	56.89	
For Stainless Steel, Add	227.54	
04 05 19 13-0333 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	169.28	
For Hot-Dipped Galvanized, Add	58.00	
For Stainless Steel, Add	231.98	
04 05 19 13-0334 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	179.42	
For Hot-Dipped Galvanized, Add	59.44	
For Stainless Steel, Add	237.74	
04 05 19 13-0335 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	186.98	
For Hot-Dipped Galvanized, Add	61.04	
For Stainless Steel, Add	244.14	
04 05 19 13-0336 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	194.10	
For Hot-Dipped Galvanized, Add	62.66	
For Stainless Steel, Add	250.62	
04 05 19 13-0337 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0322)		
04 05 19 13-0338 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	168.55	
For Hot-Dipped Galvanized, Add	62.48	
For Stainless Steel, Add	249.92	
04 05 19 13-0339 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	174.35	
For Hot-Dipped Galvanized, Add	62.96	
For Stainless Steel, Add	251.82	
04 05 19 13-0340 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	182.69	
For Hot-Dipped Galvanized, Add	64.70	
For Stainless Steel, Add	258.80	
04 05 19 13-0341 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	194.51	
For Hot-Dipped Galvanized, Add	66.98	
For Stainless Steel, Add	267.92	
04 05 19 13-0342 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	204.64	
For Hot-Dipped Galvanized, Add	69.87	
For Stainless Steel, Add	279.46	
04 05 19 13-0343 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	214.92	
For Hot-Dipped Galvanized, Add	73.07	
For Stainless Steel, Add	292.26	
04 05 19 13-0344 Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0203)		
04 05 19 13-0345 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0344)		
04 05 19 13-0346 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	143.32	
For Hot-Dipped Galvanized, Add	47.44	
For Stainless Steel, Add	189.76	
04 05 19 13-0347 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	148.83	
For Hot-Dipped Galvanized, Add	47.77	
For Stainless Steel, Add	191.08	
04 05 19 13-0348 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	158.25	
For Hot-Dipped Galvanized, Add	48.85	
For Stainless Steel, Add	195.40	
04 05 19 13-0349 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	165.52	
For Hot-Dipped Galvanized, Add	50.31	
For Stainless Steel, Add	201.22	
04 05 19 13-0350 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	172.95	
For Hot-Dipped Galvanized, Add	52.08	
For Stainless Steel, Add	208.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0351 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	179.26	
<i>For Hot-Dipped Galvanized, Add</i>	53.89	
<i>For Stainless Steel, Add</i>	215.56	
04 05 19 13-0352 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0344)		
04 05 19 13-0353 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	165.41	
<i>For Hot-Dipped Galvanized, Add</i>	58.49	
<i>For Stainless Steel, Add</i>	233.94	
04 05 19 13-0354 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	171.21	
<i>For Hot-Dipped Galvanized, Add</i>	58.96	
<i>For Stainless Steel, Add</i>	235.84	
04 05 19 13-0355 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	180.69	
<i>For Hot-Dipped Galvanized, Add</i>	60.07	
<i>For Stainless Steel, Add</i>	240.28	
04 05 19 13-0356 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	187.97	
<i>For Hot-Dipped Galvanized, Add</i>	61.53	
<i>For Stainless Steel, Add</i>	246.12	
04 05 19 13-0357 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	195.05	
<i>For Hot-Dipped Galvanized, Add</i>	63.13	
<i>For Stainless Steel, Add</i>	252.52	
04 05 19 13-0358 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	201.54	
<i>For Hot-Dipped Galvanized, Add</i>	65.03	
<i>For Stainless Steel, Add</i>	260.12	
04 05 19 13-0359 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0344)		
04 05 19 13-0360 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	177.58	
<i>For Hot-Dipped Galvanized, Add</i>	64.57	
<i>For Stainless Steel, Add</i>	258.28	
04 05 19 13-0361 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	183.35	
<i>For Hot-Dipped Galvanized, Add</i>	65.03	
<i>For Stainless Steel, Add</i>	260.12	
04 05 19 13-0362 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	194.16	
<i>For Hot-Dipped Galvanized, Add</i>	66.81	
<i>For Stainless Steel, Add</i>	267.22	
04 05 19 13-0363 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	203.06	
<i>For Hot-Dipped Galvanized, Add</i>	69.08	
<i>For Stainless Steel, Add</i>	276.30	
04 05 19 13-0364 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	212.67	
<i>For Hot-Dipped Galvanized, Add</i>	71.94	
<i>For Stainless Steel, Add</i>	287.76	
04 05 19 13-0365 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	219.74	
<i>For Hot-Dipped Galvanized, Add</i>	74.13	
<i>For Stainless Steel, Add</i>	296.52	
04 05 19 13-0366 Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0203)		
04 05 19 13-0367 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0366)		
04 05 19 13-0368 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	134.79	
<i>For Hot-Dipped Galvanized, Add</i>	43.18	
<i>For Stainless Steel, Add</i>	172.70	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0369 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	140.24	
<i>For Hot-Dipped Galvanized, Add</i>	43.48	
<i>For Stainless Steel, Add</i>	173.90	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0370 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	149.37	
<i>For Hot-Dipped Galvanized, Add</i>	44.41	
<i>For Stainless Steel, Add</i>	177.64	
<i>For Seismic Hook And Eye, Add</i>	27.50	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0371	CLF		#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	156.43	
			<i>For Hot-Dipped Galvanized, Add</i>	45.76	
			<i>For Stainless Steel, Add</i>	183.04	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0372	CLF		#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	163.10	
			<i>For Hot-Dipped Galvanized, Add</i>	47.16	
			<i>For Stainless Steel, Add</i>	188.62	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0373	CLF		#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	169.21	
			<i>For Hot-Dipped Galvanized, Add</i>	48.87	
			<i>For Stainless Steel, Add</i>	195.46	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0374			3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0366)</small>		
04 05 19 13-0375	CLF		#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	155.14	
			<i>For Hot-Dipped Galvanized, Add</i>	53.35	
			<i>For Stainless Steel, Add</i>	213.40	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0376	CLF		#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	160.81	
			<i>For Hot-Dipped Galvanized, Add</i>	53.76	
			<i>For Stainless Steel, Add</i>	215.04	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0377	CLF		#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	169.79	
			<i>For Hot-Dipped Galvanized, Add</i>	54.62	
			<i>For Stainless Steel, Add</i>	218.48	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0378	CLF		#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	176.71	
			<i>For Hot-Dipped Galvanized, Add</i>	55.90	
			<i>For Stainless Steel, Add</i>	223.60	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0379	CLF		#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	183.35	
			<i>For Hot-Dipped Galvanized, Add</i>	57.28	
			<i>For Stainless Steel, Add</i>	229.12	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0380	CLF		#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	189.09	
			<i>For Hot-Dipped Galvanized, Add</i>	58.81	
			<i>For Stainless Steel, Add</i>	235.22	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0381			3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0366)</small>		
04 05 19 13-0382	CLF		#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	167.44	
			<i>For Hot-Dipped Galvanized, Add</i>	59.50	
			<i>For Stainless Steel, Add</i>	238.00	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0383	CLF		#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	173.21	
			<i>For Hot-Dipped Galvanized, Add</i>	59.96	
			<i>For Stainless Steel, Add</i>	239.84	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0384	CLF		#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	183.80	
			<i>For Hot-Dipped Galvanized, Add</i>	61.63	
			<i>For Stainless Steel, Add</i>	246.50	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0385	CLF		#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	192.50	
			<i>For Hot-Dipped Galvanized, Add</i>	63.80	
			<i>For Stainless Steel, Add</i>	255.18	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0386	CLF		#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	201.86	
			<i>For Hot-Dipped Galvanized, Add</i>	66.54	
			<i>For Stainless Steel, Add</i>	266.14	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0387	CLF		#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	210.64	
			<i>For Hot-Dipped Galvanized, Add</i>	69.58	
			<i>For Stainless Steel, Add</i>	278.32	
			<i>For Seismic Hook And Eye, Add</i>	27.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0388 Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0203)</small>		
04 05 19 13-0389 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall <small>(04 05 19 13-0388)</small>		
04 05 19 13-0390 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	143.70	
<i>For Hot-Dipped Galvanized, Add</i>	45.21	
<i>For Stainless Steel, Add</i>	180.82	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0391 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	151.59	
<i>For Hot-Dipped Galvanized, Add</i>	45.52	
<i>For Stainless Steel, Add</i>	182.08	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0392 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	157.95	
<i>For Hot-Dipped Galvanized, Add</i>	46.52	
<i>For Stainless Steel, Add</i>	186.08	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0393 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	164.68	
<i>For Hot-Dipped Galvanized, Add</i>	47.95	
<i>For Stainless Steel, Add</i>	191.78	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0394 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	170.67	
<i>For Hot-Dipped Galvanized, Add</i>	49.60	
<i>For Stainless Steel, Add</i>	198.38	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0395 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0388)</small>		
04 05 19 13-0396 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	165.63	
<i>For Hot-Dipped Galvanized, Add</i>	56.17	
<i>For Stainless Steel, Add</i>	224.68	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0397 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	173.59	
<i>For Hot-Dipped Galvanized, Add</i>	56.52	
<i>For Stainless Steel, Add</i>	226.08	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0398 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	179.88	
<i>For Hot-Dipped Galvanized, Add</i>	57.49	
<i>For Stainless Steel, Add</i>	229.94	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0399 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	186.36	
<i>For Hot-Dipped Galvanized, Add</i>	58.79	
<i>For Stainless Steel, Add</i>	235.14	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0400 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	191.72	
<i>For Hot-Dipped Galvanized, Add</i>	60.12	
<i>For Stainless Steel, Add</i>	240.48	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0401 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0388)</small>		
04 05 19 13-0402 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	176.28	
<i>For Hot-Dipped Galvanized, Add</i>	61.50	
<i>For Stainless Steel, Add</i>	245.98	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0403 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	184.43	
<i>For Hot-Dipped Galvanized, Add</i>	61.94	
<i>For Stainless Steel, Add</i>	247.76	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0404 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	192.15	
<i>For Hot-Dipped Galvanized, Add</i>	63.62	
<i>For Stainless Steel, Add</i>	254.48	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0405 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	200.34	
<i>For Hot-Dipped Galvanized, Add</i>	65.78	
<i>For Stainless Steel, Add</i>	263.10	
<i>For Seismic Hook And Eye, Add</i>	27.50	

04 Masonry
04 05 Common Work Results For Masonry
04 05 19 Masonry Anchorage And Reinforcing



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 05 19 13-0406	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	208.52
		<i>For Hot-Dipped Galvanized, Add</i>	68.52
		<i>For Stainless Steel, Add</i>	274.08
		<i>For Seismic Hook And Eye, Add</i>	27.50

04 05 19 16 Masonry Anchors (04 05 19)

04 05 19 16-0001		Rectangular, Wire Masonry Wall Ties (04 05 19 16)	
04 05 19 16-0002		Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Ties (04 05 19 16-0001)	
04 05 19 16-0003	EA	2" Width x 4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.02
04 05 19 16-0004	EA	2" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.07
04 05 19 16-0005	EA	2" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.11
04 05 19 16-0006	EA	2" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.16
04 05 19 16-0007	EA	2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.22
04 05 19 16-0008	EA	4" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.11
04 05 19 16-0009	EA	4" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.16
04 05 19 16-0010	EA	4" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.22
04 05 19 16-0011	EA	4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.27

04 05 19 16-0012 Mill Galvanized, Rectangular, Wire Masonry Wall Ties (04 05 19 16-0001)

04 05 19 16-0013	EA	2" Width x 4" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	0.94
04 05 19 16-0014	EA	2" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	0.96
04 05 19 16-0015	EA	2" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	0.98
04 05 19 16-0016	EA	2" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.01
04 05 19 16-0017	EA	2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.04
04 05 19 16-0018	EA	4" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	0.98
04 05 19 16-0019	EA	4" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.01
04 05 19 16-0020	EA	4" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.04
04 05 19 16-0021	EA	4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.07

04 05 19 16-0022 Z-Type, Wire Masonry Wall Ties (04 05 19 16)

04 05 19 16-0023		Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Ties (04 05 19 16-0022)	
04 05 19 16-0024	EA	6" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	0.94
04 05 19 16-0025	EA	8" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	0.97
04 05 19 16-0026	EA	10" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.05
04 05 19 16-0027	EA	12" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.09
04 05 19 16-0028	EA	6" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.09
04 05 19 16-0029	EA	8" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.15
04 05 19 16-0030	EA	10" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.21
04 05 19 16-0031	EA	12" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.24

04 05 19 16-0032 Mill Galvanized, Z-Type, Wire Masonry Wall Ties (04 05 19 16-0022)

04 05 19 16-0033	EA	6" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	0.89
04 05 19 16-0034	EA	8" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	0.89
04 05 19 16-0035	EA	10" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	0.96
04 05 19 16-0036	EA	12" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	0.97
04 05 19 16-0037	EA	6" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	0.98
04 05 19 16-0038	EA	8" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.01
04 05 19 16-0039	EA	10" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.04
04 05 19 16-0040	EA	12" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.08

04 05 19 16-0041 Wire Beam Ties (04 05 19 16)

04 05 19 16-0042		Hot-Dipped Galvanized, Wire Beam Ties (04 05 19 16-0041)	
04 05 19 16-0043	EA	2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.16
04 05 19 16-0044	EA	4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.18
04 05 19 16-0045	EA	6" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.20
04 05 19 16-0046	EA	8" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.22
04 05 19 16-0047	EA	10" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.25

04 05 19 16-0048 Mill Galvanized, Wire Beam Ties (04 05 19 16-0041)

04 05 19 16-0049	EA	2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	1.32
04 05 19 16-0050	EA	4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	1.37
04 05 19 16-0051	EA	6" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	1.41
04 05 19 16-0052	EA	8" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	1.44
04 05 19 16-0053	EA	10" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	1.47

04 05 19 16-0054 Adjustable Double Pintle, Wire Masonry Wall Ties (04 05 19 16)

04 05 19 16-0055		Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties (04 05 19 16-0054)	
04 05 19 16-0056	EA	6" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.25



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0057	EA		7" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.29	
04 05 19 16-0058	EA		8" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.31	
04 05 19 16-0059	EA		9" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.34	
04 05 19 16-0060	EA		10" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.36	
04 05 19 16-0061			Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties (04 05 19 16-0054)		
04 05 19 16-0062	EA		6" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.11	
04 05 19 16-0063	EA		7" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.14	
04 05 19 16-0064	EA		8" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.15	
04 05 19 16-0065	EA		9" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.17	
04 05 19 16-0066	EA		10" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.18	
04 05 19 16-0067			Corrugated Buck (Brick) Anchors (04 05 19 16)		
04 05 19 16-0068			Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchors (04 05 19 16-0067)		
04 05 19 16-0069	EA		3-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.46	
04 05 19 16-0070	EA		4-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.50	
04 05 19 16-0071	EA		5-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.54	
04 05 19 16-0072	EA		6-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.59	
04 05 19 16-0073	EA		7-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.63	
04 05 19 16-0074	EA		3-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.49	
04 05 19 16-0075	EA		4-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.54	
04 05 19 16-0076	EA		5-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.59	
04 05 19 16-0077	EA		6-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.64	
04 05 19 16-0078	EA		7-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.68	
04 05 19 16-0079			Mill Galvanized, Corrugated Buck (Brick) Anchors (04 05 19 16-0067)		
04 05 19 16-0080	EA		3-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.30	
04 05 19 16-0081	EA		4-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.33	
04 05 19 16-0082	EA		5-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.36	
04 05 19 16-0083	EA		6-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.40	
04 05 19 16-0084	EA		7-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.43	
04 05 19 16-0085	EA		3-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.33	
04 05 19 16-0086	EA		4-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.36	
04 05 19 16-0087	EA		5-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.40	
04 05 19 16-0088	EA		6-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.43	
04 05 19 16-0089	EA		7-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.47	
04 05 19 16-0090			Corrugated Wall Ties (04 05 19 16)		
04 05 19 16-0091			Hot-Dipped Galvanized, Corrugated Wall Ties (04 05 19 16-0090)		
04 05 19 16-0092	EA		7/8" Width, 7" Length, 28 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	0.88	
04 05 19 16-0093	EA		7/8" Width, 7" Length, 26 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	0.92	
04 05 19 16-0094	EA		7/8" Width, 7" Length, 24 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	0.93	
04 05 19 16-0095	EA		7/8" Width, 7" Length, 22 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	0.95	
04 05 19 16-0096	EA		7/8" Width, 7" Length, 16 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.07	
04 05 19 16-0097			Mill Galvanized, Corrugated Wall Ties (04 05 19 16-0090)		
04 05 19 16-0098	EA		7/8" Width, 7" Length, 26 Gauge, Mill Galvanized, Corrugated Wall Tie	0.90	
04 05 19 16-0099	EA		7/8" Width, 7" Length, 24 Gauge, Mill Galvanized, Corrugated Wall Tie	0.91	
04 05 19 16-0100	EA		7/8" Width, 7" Length, 22 Gauge, Mill Galvanized, Corrugated Wall Tie	0.92	
04 05 19 16-0101	EA		7/8" Width, 7" Length, 16 Gauge, Mill Galvanized, Corrugated Wall Tie	1.01	
04 05 19 16-0102			Stainless Steel, Corrugated Wall Ties (04 05 19 16-0090)		
04 05 19 16-0103	EA		7/8" Width, 7" Length, 28 Gauge, Stainless Steel, Corrugated Wall Tie	1.19	
04 05 19 16-0104	EA		7/8" Width, 7" Length, 26 Gauge, Stainless Steel, Corrugated Wall Tie	1.24	
04 05 19 16-0105	EA		7/8" Width, 7" Length, 24 Gauge, Stainless Steel, Corrugated Wall Tie	1.29	
04 05 19 16-0106	EA		7/8" Width, 7" Length, 22 Gauge, Stainless Steel, Corrugated Wall Tie	1.34	
04 05 19 16-0107	EA		7/8" Width, 7" Length, 16 Gauge, Stainless Steel, Corrugated Wall Tie	1.61	
04 05 19 16-0108			Wire Mesh Wall Ties (04 05 19 16)		
			Note: 1/2" square mesh.		
04 05 19 16-0109	EA		3" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	1.62	
04 05 19 16-0110	EA		3" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	1.90	
04 05 19 16-0111	EA		6" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	2.22	
04 05 19 16-0112	EA		6" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	2.74	
04 05 19 16-0113	EA		10" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	2.67	
04 05 19 16-0114	EA		10" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	3.13	
04 05 19 16-0115			Triangle Brick Ties (04 05 19 16)		
04 05 19 16-0116			Hot-Dipped Galvanized, Triangle Brick Ties (04 05 19 16-0115)		
04 05 19 16-0117	EA		3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.45	

04 Masonry
04 05 Common Work Results For Masonry
04 05 19 Masonry Anchorage And Reinforcing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0118	EA		3-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.47	
04 05 19 16-0119	EA		4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.49	
04 05 19 16-0120	EA		4-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.55	
04 05 19 16-0121	EA		5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.56	
04 05 19 16-0122	EA		6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.65	
04 05 19 16-0123	EA		7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.69	
04 05 19 16-0124	EA		9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.79	
04 05 19 16-0125	EA		3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.65	
04 05 19 16-0126	EA		3-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.66	
04 05 19 16-0127	EA		4" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.68	
04 05 19 16-0128	EA		4-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.73	
04 05 19 16-0129	EA		5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.75	
04 05 19 16-0130	EA		6" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.83	
04 05 19 16-0131	EA		7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.86	
04 05 19 16-0132	EA		9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.96	
04 05 19 16-0133			Mill Galvanized, Triangle Brick Ties (04 05 19 16-0115)		
04 05 19 16-0134	EA		3" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.35	
04 05 19 16-0135	EA		3-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.36	
04 05 19 16-0136	EA		4" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.37	
04 05 19 16-0137	EA		4-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.41	
04 05 19 16-0138	EA		5" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.42	
04 05 19 16-0139	EA		6" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.48	
04 05 19 16-0140	EA		7" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.50	
04 05 19 16-0141	EA		9" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.53	
04 05 19 16-0142	EA		3" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.47	
04 05 19 16-0143	EA		3-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.48	
04 05 19 16-0144	EA		4" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.49	
04 05 19 16-0145	EA		4-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.54	
04 05 19 16-0146	EA		5" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.55	
04 05 19 16-0147	EA		6" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.62	
04 05 19 16-0148	EA		7" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.65	
04 05 19 16-0149	EA		9" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.70	
04 05 19 16-0150			Seismic Veneer Anchors (04 05 19 16)		
04 05 19 16-0151	EA		3-1/2" Length, 1-1/4" Width, Stainless Steel, Seismic Notch Veneer Anchor	5.02	
			Note: For horizontal wire attachment. Excludes wire.		
04 05 19 16-0152			Slip-Set, Joint Stabilization Anchors (04 05 19 16)		
			Note: For restraining lateral movement at control joints. Field bendable.		
04 05 19 16-0153	EA		9-5/8" Length, 1-5/8" Width, Mill Galvanized, Slip-Set, Joint Stabilization Anchor	3.71	
04 05 19 16-0154	EA		9-5/8" Length, 1-5/8" Width, Hot-Dipped Galvanized, Slip-Set, Joint Stabilization Anchor	4.00	
04 05 19 16-0155	EA		9-5/8" Length, 1-5/8" Width, Stainless Steel, Slip-Set, Joint Stabilization Anchor	5.02	
04 05 19 16-0156			Strap Partition Top Anchors (04 05 19 16)		
04 05 19 16-0157	EA		12 Gauge Strap, 3/8" Rod, Hot-Dipped Galvanized, Partition Top Anchor	2.27	
04 05 19 16-0158	EA		12 Gauge Strap, 3/8" Rod, Stainless Steel, Partition Top Anchor	5.28	
04 05 19 16-0159			Rigid Partition Anchors (04 05 19 16)		
04 05 19 16-0160			Hot-Dipped Galvanized, Rigid Partition Anchors (04 05 19 16-0159)		
04 05 19 16-0161	EA		1" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	1.93	
04 05 19 16-0162	EA		1-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.05	
04 05 19 16-0163	EA		1-1/2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.21	
04 05 19 16-0164	EA		1-3/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.35	
04 05 19 16-0165	EA		2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.48	
04 05 19 16-0166	EA		2-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.62	
04 05 19 16-0167	EA		1" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.49	
04 05 19 16-0168	EA		1-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.92	
04 05 19 16-0169	EA		1-1/2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.37	
04 05 19 16-0170	EA		1-3/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.81	
04 05 19 16-0171	EA		2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	4.25	
04 05 19 16-0172	EA		2-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	4.69	
04 05 19 16-0173			Mill Galvanized, Rigid Partition Anchors (04 05 19 16-0159)		
04 05 19 16-0174	EA		1" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	1.81	
04 05 19 16-0175	EA		1-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	1.92	
04 05 19 16-0176	EA		1-1/2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	2.02	
04 05 19 16-0177	EA		1-3/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	2.13	
04 05 19 16-0178	EA		2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	2.24	
04 05 19 16-0179	EA		2-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	2.35	
04 05 19 16-0180			Screw-On Masonry Veneer Anchor Plates (04 05 19 16)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0181	EA		12 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate.....	1.25	
04 05 19 16-0182	EA		14 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate.....	1.30	
04 05 19 16-0183	Wire Column Ties (04 05 19 16)				
04 05 19 16-0184	Hot-Dipped Galvanized, Wire Column Ties (04 05 19 16-0183)				
04 05 19 16-0185	EA		3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.45	
04 05 19 16-0186	EA		5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.52	
04 05 19 16-0187	EA		7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.58	
04 05 19 16-0188	EA		9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.65	
04 05 19 16-0189	EA		10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.51	
04 05 19 16-0190	EA		12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.58	
04 05 19 16-0191	EA		14" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.62	
04 05 19 16-0192	EA		16" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.67	
04 05 19 16-0193	EA		3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.83	
04 05 19 16-0194	EA		5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.96	
04 05 19 16-0195	EA		7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.04	
04 05 19 16-0196	EA		9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.16	
04 05 19 16-0197	EA		10" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.96	
04 05 19 16-0198	EA		12" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.04	
04 05 19 16-0199	EA		14" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.12	
04 05 19 16-0200	EA		16" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.20	
04 05 19 16-0201	Mill Galvanized, Wire Column Ties (04 05 19 16-0183)				
04 05 19 16-0202	EA		3" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.32	
04 05 19 16-0203	EA		5" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.36	
04 05 19 16-0204	EA		7" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.39	
04 05 19 16-0205	EA		9" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.44	
04 05 19 16-0206	EA		10" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.34	
04 05 19 16-0207	EA		12" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.38	
04 05 19 16-0208	EA		14" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.41	
04 05 19 16-0209	EA		16" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.45	
04 05 19 16-0210	EA		3" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	1.60	
04 05 19 16-0211	EA		5" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	1.69	
04 05 19 16-0212	EA		7" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	1.72	
04 05 19 16-0213	EA		9" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	1.81	
04 05 19 16-0214	EA		10" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	1.57	
04 05 19 16-0215	EA		12" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	1.70	
04 05 19 16-0216	EA		14" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	1.76	
04 05 19 16-0217	EA		16" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	1.81	
04 05 19 16-0218	Dovetail Anchors, Slots And Ties (04 05 19 16)				
04 05 19 16-0219	Dovetail Anchor Slots (04 05 19 16-0218)				
04 05 19 16-0220	Hot-Dipped Galvanized, Dovetail Anchor Slot (04 05 19 16-0219)				
04 05 19 16-0221	LF		24 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	3.13	
04 05 19 16-0222	LF		22 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	3.35	
04 05 19 16-0223	LF		20 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	3.48	
04 05 19 16-0224	LF		18 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	3.54	
04 05 19 16-0225	LF		16 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	3.68	
04 05 19 16-0226	Mill Galvanized, Dovetail Anchor Slot (04 05 19 16-0219)				
04 05 19 16-0227	LF		24 Gauge, Mill Galvanized, Dovetail Anchor Slot	2.70	
04 05 19 16-0228	LF		22 Gauge, Mill Galvanized, Dovetail Anchor Slot	2.97	
04 05 19 16-0229	LF		20 Gauge, Mill Galvanized, Dovetail Anchor Slot	3.04	
04 05 19 16-0230	LF		18 Gauge, Mill Galvanized, Dovetail Anchor Slot	3.13	
04 05 19 16-0231	LF		16 Gauge, Mill Galvanized, Dovetail Anchor Slot	3.19	
04 05 19 16-0232	304 Stainless Steel, Dovetail Anchor Slot (04 05 19 16-0219)				
04 05 19 16-0233	LF		24 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	3.43	
04 05 19 16-0234	LF		22 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	3.79	
04 05 19 16-0235	LF		20 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	3.91	
04 05 19 16-0236	LF		18 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	4.31	
04 05 19 16-0237	LF		16 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	4.70	
04 05 19 16-0238	316 Stainless Steel, Dovetail Anchor Slot (04 05 19 16-0219)				
04 05 19 16-0239	LF		24 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	3.71	
04 05 19 16-0240	LF		22 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	3.98	
04 05 19 16-0241	LF		20 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	4.25	
04 05 19 16-0242	LF		18 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	4.59	
04 05 19 16-0243	LF		16 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	4.80	
04 05 19 16-0244	Dovetail Corrugated Brick Ties (04 05 19 16-0218)				

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0245			Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie (04 05 19 16-0244)		
04 05 19 16-0246	EA		3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.10	
04 05 19 16-0247	EA		5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.17	
04 05 19 16-0248	EA		7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.24	
04 05 19 16-0249	EA		3-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.11	
04 05 19 16-0250	EA		5-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.24	
04 05 19 16-0251	EA		7-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.34	
04 05 19 16-0252	EA		3-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.15	
04 05 19 16-0253	EA		5-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.24	
04 05 19 16-0254	EA		7-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.33	
04 05 19 16-0255			Mill Galvanized, Dovetail Corrugated Brick Tie (04 05 19 16-0244)		
04 05 19 16-0256	EA		3-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.03	
04 05 19 16-0257	EA		5-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.08	
04 05 19 16-0258	EA		7-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.12	
04 05 19 16-0259	EA		3-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.07	
04 05 19 16-0260	EA		5-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.16	
04 05 19 16-0261	EA		7-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.23	
04 05 19 16-0262	EA		3-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.08	
04 05 19 16-0263	EA		5-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.19	
04 05 19 16-0264	EA		7-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.26	
04 05 19 16-0265			Dovetail Stone Anchors (04 05 19 16-0218)		
04 05 19 16-0266			Hot-Dipped Galvanized, Dovetail Stone Anchors (04 05 19 16-0265)		
04 05 19 16-0267	EA		3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor.....	1.24	
04 05 19 16-0268	EA		5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor.....	1.32	
04 05 19 16-0269	EA		7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor.....	1.39	
04 05 19 16-0270			Dovetail Partition Top Anchors (04 05 19 16-0218)		
04 05 19 16-0271	EA		3/8" Rod, Hot-Dipped Galvanized, Dovetail Partition Top Anchor.....	2.40	
04 05 19 16-0272	EA		3/8" Rod, Stainless Steel, Dovetail Partition Top Anchor.....	5.67	
04 05 19 16-0273			Dovetail Flexible Triangle Brick Ties (04 05 19 16-0218)		
04 05 19 16-0274			Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Ties (04 05 19 16-0273)		
04 05 19 16-0275	EA		3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.79	
04 05 19 16-0276	EA		5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.88	
04 05 19 16-0277	EA		7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.94	
04 05 19 16-0278	EA		9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.01	
04 05 19 16-0279			Mill Galvanized, Dovetail Flexible Triangle Brick Ties (04 05 19 16-0273)		
04 05 19 16-0280	EA		3" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.66	
04 05 19 16-0281	EA		5" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.67	
04 05 19 16-0282	EA		7" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.71	
04 05 19 16-0283	EA		9" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.81	
04 05 19 16-0284			Dowel Or Hairpin, Drill And Epoxy Into Brick (04 05 19 16)		
04 05 19 16-0285	EA		Dowels Or Hairpin, 1/2" x 30" L, Drill And Epoxy In Brick.....	22.30	
04 05 19 16-0286	EA		Dowels Or Hairpin, 1/2" x 36" L, Drill And Epoxy In Brick.....	23.22	
04 05 19 26			Masonry Reinforcing Bars (04 05 19)		
			Note: Includes cutting and bending.		
04 05 19 26-0001			Plain Steel Masonry Reinforcement Bar (04 05 19 26)		
04 05 19 26-0002	LF		#3, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	0.78	
04 05 19 26-0003	LF		#4, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.27	
04 05 19 26-0004	LF		#5, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.78	
04 05 19 26-0005	LF		#6, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	2.32	
04 05 19 26-0006	LF		#3, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	0.79	
04 05 19 26-0007	LF		#4, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.29	
04 05 19 26-0008	LF		#5, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.81	
04 05 19 26-0009	LF		#6, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	2.36	
04 05 19 26-0010	LF		#3, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	0.92	
04 05 19 26-0011	LF		#4, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.49	
04 05 19 26-0012	LF		#5, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	2.10	
04 05 19 26-0013	LF		#6, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	2.70	
04 05 19 26-0014	LF		#3, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	0.93	
04 05 19 26-0015	LF		#4, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.51	
04 05 19 26-0016	LF		#5, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	2.13	
04 05 19 26-0017	LF		#6, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	2.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 26-0018 Galvanized Steel Masonry Reinforcement Bar <small>(04 05 19 26)</small>		
04 05 19 26-0019 LF #3, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	0.89	
04 05 19 26-0020 LF #4, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.45	
04 05 19 26-0021 LF #5, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	2.07	
04 05 19 26-0022 LF #6, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	2.73	
04 05 19 26-0023 LF #3, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	0.90	
04 05 19 26-0024 LF #4, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.47	
04 05 19 26-0025 LF #5, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	2.10	
04 05 19 26-0026 LF #6, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	2.77	
04 05 19 26-0027 LF #3, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.03	
04 05 19 26-0028 LF #4, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.67	
04 05 19 26-0029 LF #5, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.39	
04 05 19 26-0030 LF #6, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	3.11	
04 05 19 26-0031 LF #3, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.04	
04 05 19 26-0032 LF #4, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.69	
04 05 19 26-0033 LF #5, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.42	
04 05 19 26-0034 LF #6, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	3.15	
04 05 19 26-0035 Epoxy-Coated Masonry Reinforcement Bar <small>(04 05 19 26)</small>		
04 05 19 26-0036 LF #3, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	0.87	
04 05 19 26-0037 LF #4, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.43	
04 05 19 26-0038 LF #5, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.04	
04 05 19 26-0039 LF #6, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.69	
04 05 19 26-0040 LF #3, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	0.88	
04 05 19 26-0041 LF #4, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.45	
04 05 19 26-0042 LF #5, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.06	
04 05 19 26-0043 LF #6, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.73	
04 05 19 26-0044 LF #3, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.01	
04 05 19 26-0045 LF #4, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.65	
04 05 19 26-0046 LF #5, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.36	
04 05 19 26-0047 LF #6, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	3.07	
04 05 19 26-0048 LF #3, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.02	
04 05 19 26-0049 LF #4, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.67	
04 05 19 26-0050 LF #5, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.38	
04 05 19 26-0051 LF #6, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	3.11	
04 05 23 Masonry Accessories <small>(04 05)</small>		
04 05 23 13 Masonry Control And Expansion Joints <small>(04 05 23)</small>		
04 05 23 13-0001 Masonry Control Joints <small>(04 05 23 13)</small>		
04 05 23 13-0002 Rubber, Masonry Control Joints <small>(04 05 23 13-0001)</small>		
04 05 23 13-0003 LF 1-5/8" Width, T-Style, Rubber, Masonry Control Joint	4.08	0.86
04 05 23 13-0004 LF 2-5/8" Width, Rubber, Masonry Control Joint.....	3.99	0.86
04 05 23 13-0005 LF 6-7/8" Width, Rubber, Masonry Control Joint.....	7.85	0.86
04 05 23 13-0006 Polyvinyl Chloride (PVC), Masonry Control Joints <small>(04 05 23 13-0001)</small>		
04 05 23 13-0007 LF 1-5/8" Width, T-Style, Polyvinyl Chloride (PVC), Masonry Control Joint.....	2.83	0.86
04 05 23 13-0008 LF 2-5/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	2.90	0.86
04 05 23 13-0009 LF 4-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	3.66	0.86
04 05 23 13-0010 LF 6-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	4.08	0.86
04 05 23 13-0011 LF 11-1/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	3.92	0.86
04 05 23 16 Masonry Embedded Flashing <small>(04 05 23)</small>		
04 05 23 16-0001 Lead Coated Copper Through Wall Flashing <small>(04 05 23 16)</small>		
04 05 23 16-0002 Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing <small>(04 05 23 16-0001)</small>		
04 05 23 16-0003 SF 2 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	6.87	1.55
04 05 23 16-0004 SF 3 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	7.54	1.55
04 05 23 16-0005 SF 5 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	9.39	1.55
04 05 23 16-0006 SF 7 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	11.03	1.55
04 05 23 16-0007 Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing <small>(04 05 23 16-0001)</small>		
04 05 23 16-0008 SF 2 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	7.52	1.55
04 05 23 16-0009 SF 3 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	8.12	1.55
04 05 23 16-0010 SF 5 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	10.26	1.55
04 05 23 16-0011 SF 7 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	12.23	1.55
04 05 23 16-0012 Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing <small>(04 05 23 16-0001)</small>		
04 05 23 16-0013 SF 2 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	7.02	1.55
04 05 23 16-0014 SF 3 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	7.86	1.55

04 Masonry**04 05 Common Work Results For Masonry****04 05 23 Masonry Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 23 16-0015 SF 5 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	9.06	1.55
04 05 23 16-0016 SF 7 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	11.57	1.55
04 05 23 16-0017 Copper Through Wall Flashing (04 05 23 16)		
04 05 23 16-0018 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0017)		
04 05 23 16-0019 SF 2 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	5.87	1.45
04 05 23 16-0020 SF 3 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	6.36	1.45
04 05 23 16-0021 SF 5 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	7.72	1.45
04 05 23 16-0022 SF 7 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	8.92	1.45
04 05 23 16-0023 SF 10 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	9.43	1.45
04 05 23 16-0024 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0017)		
04 05 23 16-0025 SF 2 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	6.35	1.45
04 05 23 16-0026 SF 3 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	6.79	1.45
04 05 23 16-0027 SF 5 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	8.36	1.45
04 05 23 16-0028 SF 7 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	9.80	1.45
04 05 23 16-0029 SF 10 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	10.65	1.45
04 05 23 16-0030 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0017)		
04 05 23 16-0031 SF 2 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	5.92	1.45
04 05 23 16-0032 SF 3 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	6.42	1.45
04 05 23 16-0033 SF 5 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	7.77	1.45
04 05 23 16-0034 SF 7 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	8.97	1.45
04 05 23 16-0035 SF 10 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	9.48	1.45
04 05 23 16-0036 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0017)		
04 05 23 16-0037 SF 2 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	5.99	1.45
04 05 23 16-0038 SF 3 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	6.59	1.45
04 05 23 16-0039 SF 5 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	7.47	1.45
04 05 23 16-0040 SF 7 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	9.31	1.45
04 05 23 16-0041 SF 10 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	5.63	1.45
04 05 23 16-0042 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0017)		
04 05 23 16-0043 SF 3 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing	8.00	1.45
04 05 23 16-0044 SF 5 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing	9.81	1.45
04 05 23 16-0045 2 Sides Glass Fabric, Thru-Wall Copper Flashing (04 05 23 16-0017)		
Note: Glass fabric is bonded to both sides with a non-asphaltic adhesive.		
04 05 23 16-0046 SF 3 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing	6.95	1.45
04 05 23 16-0047 SF 5 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing	8.57	1.45
04 05 23 16-0048 Stainless Steel Through Wall Flashing (04 05 23 16)		
04 05 23 16-0049 Paper Backed 2 Sides, Stainless Steel Through Wall Flashing (04 05 23 16-0048)		
04 05 23 16-0050 SF 0.005" Thick Paper Backed 2 Sides, Stainless Steel Through Wall Flashing	5.66	1.45
04 05 23 16-0051 Polyvinyl Chloride (PVC) Through Wall Flashing (04 05 23 16)		
04 05 23 16-0052 SF 0.010" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	3.33	1.42
04 05 23 16-0053 SF 0.020" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	3.49	1.42
04 05 23 16-0054 SF 0.030" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	3.67	1.42
04 05 23 16-0055 SF 0.056" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	4.27	1.42
04 05 23 19 Masonry Cavity Drainage, Weepholes, And Vents (04 05 23)		
04 05 23 19-0001 Brick Vents, 4" Deep, With Insect Screen (04 05 23 19)		
Note: 0.100" nominal wall thickness, three mortar ribs on top and bottom of frame.		
04 05 23 19-0002 EA 8-1/8" x 2-3/8" Aluminum Brick Vent	52.10	
04 05 23 19-0003 EA 8-1/8" x 4-3/4" Aluminum Brick Vent	64.41	
04 05 23 19-0004 EA 8-1/8" x 7-3/4" Aluminum Brick Vent	80.83	
04 05 23 19-0005 EA 12" x 2-3/8" Aluminum Brick Vent	62.91	
04 05 23 19-0006 EA 12" x 4-3/4" Aluminum Brick Vent	77.43	
04 05 23 19-0007 EA 12" x 7-3/4" Aluminum Brick Vent	97.47	
04 05 23 19-0008 EA 16-1/2" x 2-3/8" Aluminum Brick Vent	73.82	
04 05 23 19-0009 EA 16-1/2" x 4-3/4" Aluminum Brick Vent	99.24	
04 05 23 19-0010 EA 16-1/2" x 7-3/4" Aluminum Brick Vent	120.45	
04 05 23 19-0011 EA 24" x 2-3/8" Aluminum Brick Vent	98.68	
04 05 23 19-0012 EA 24" x 4-3/4" Aluminum Brick Vent	128.21	
04 05 23 19-0013 EA 24" x 7-3/4" Aluminum Brick Vent	156.74	



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 20 Unit Masonry ⁽⁰⁴⁾

Note: Includes pointing and cleaning of new brick and mortar. Cutting of new bricks/blocks to size. Weep holes and wicking material.

04 21 Clay Unit Masonry ^(04 20)

04 21 13 Brick Masonry ^(04 21)

Note: Includes brick and mortar. See CSI section 04 05 19 13-0000 for reinforcing, 04 05 19 16-0000 for masonry anchors.

04 21 13 00-0001 Brick Masonry ^(04 21 13)

04 21 13 00-0002	SF Standard Size Brick, Red, Running Bond.....	23.24	
	Note: Standard size brick, 3-5/8" x 2-1/4" x 8". (6.55 Bricks/SF)		
	For Buff Or Gray, Add	1.09	
	For Common Or American Bond, Add	0.67	
	For English Bond, Add	1.34	
	For Flemish Bond, Add	2.83	
	For Stacked Bond, Add	2.00	
	For <10, Small Area Replacements (Individual Areas), Add	25.41	
	For Curved Wall, Add	3.34	
	For Corbels, Add	12.54	
	For Severe Weather (SW) Brick, Add	0.98	
	For Glazed Brick, Add	22.82	
04 21 13 00-0003	SF Engineer Standard Size Brick, Red, Running Bond.....	24.41	
	Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8". (5.39 Bricks/SF)		
	For Buff Or Gray, Add	1.35	
	For Common Or American Bond, Add	0.65	
	For English Bond, Add	1.31	
	For Flemish Bond, Add	2.85	
	For Stacked Bond, Add	2.04	
	For <10, Small Area Replacements (Individual Areas), Add	24.90	
	For Curved Wall, Add	3.27	
	For Corbels, Add	12.25	
	For Severe Weather (SW) Brick, Add	1.21	
	For Glazed Brick, Add	28.28	
04 21 13 00-0004	SF Modular Size Brick, Red, Running Bond.....	23.24	
	Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8". (6.75 Bricks/SF)		
	For Buff Or Gray, Add	1.09	
	For Common Or American Bond, Add	0.67	
	For English Bond, Add	1.34	
	For Flemish Bond, Add	2.83	
	For Stacked Bond, Add	2.00	
	For <10, Small Area Replacements (Individual Areas), Add	25.41	
	For Curved Wall, Add	3.34	
	For Corbels, Add	12.54	
	For Severe Weather (SW) Brick, Add	0.98	
	For Glazed Brick, Add	22.82	
04 21 13 00-0005	SF Engineer Modular Size Brick, Red, Running Bond.....	24.41	
	Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8". (5.63 Bricks/SF)		
	For Buff Or Gray, Add	1.35	
	For Common Or American Bond, Add	0.65	
	For English Bond, Add	1.31	
	For Flemish Bond, Add	2.85	
	For Stacked Bond, Add	2.04	
	For <10, Small Area Replacements (Individual Areas), Add	24.90	
	For Curved Wall, Add	3.27	
	For Corbels, Add	12.25	
	For Severe Weather (SW) Brick, Add	1.21	
	For Glazed Brick, Add	28.28	
04 21 13 00-0006	SF Economy Size Brick, Red, Running Bond.....	24.19	
	Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8". (4.5 Bricks/SF)		
	For Buff Or Gray, Add	1.31	
	For Common Or American Bond, Add	0.65	
	For English Bond, Add	1.31	
	For Flemish Bond, Add	2.84	
	For Stacked Bond, Add	2.03	
	For <10, Small Area Replacements (Individual Areas), Add	24.89	
	For Curved Wall, Add	3.27	
	For Corbels, Add	12.25	
	For Severe Weather (SW) Brick, Add	1.18	
	For Glazed Brick, Add	27.51	
04 21 13 00-0007	SF Utility Size Brick, Red, Running Bond.....	18.13	
	Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8". (3.0 Bricks/SF)		
	For Buff Or Gray, Add	1.12	
	For Common Or American Bond, Add	0.46	
	For English Bond, Add	0.91	
	For Flemish Bond, Add	2.05	
	For Stacked Bond, Add	1.48	
	For <10, Small Area Replacements (Individual Areas), Add	17.44	
	For Curved Wall, Add	2.28	
	For Corbels, Add	8.55	
	For Severe Weather (SW) Brick, Add	1.01	
	For Glazed Brick, Add	23.56	

04	Masonry
04 20	Unit Masonry
04 21	Clay Unit Masonry



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0008	SF		Double Utility Size Brick, Red, Running Bond..... Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8". (1.5 Bricks/SF)	16.12	
			For Buff Or Gray, Add	0.79	
			For Common Or American Bond, Add	0.46	
			For English Bond, Add	0.91	
			For Flemish Bond, Add	1.95	
			For Stacked Bond, Add	1.38	
			For <10, Small Area Replacements (Individual Areas), Add	17.34	
			For Curved Wall, Add	2.28	
			For Corbels, Add	8.55	
			For Severe Weather (SW) Brick, Add	0.71	
			For Glazed Brick, Add	16.52	
04 21 13 00-0009	SF		Norman Size Brick, Red, Running Bond..... Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8". (4.5 Bricks/SF)	24.81	
			For Buff Or Gray, Add	1.41	
			For Common Or American Bond, Add	0.65	
			For English Bond, Add	1.31	
			For Flemish Bond, Add	2.87	
			For Stacked Bond, Add	2.06	
			For <10, Small Area Replacements (Individual Areas), Add	24.92	
			For Curved Wall, Add	3.27	
			For Corbels, Add	12.25	
			For Severe Weather (SW) Brick, Add	1.27	
			For Glazed Brick, Add	29.68	
04 21 13 00-0010	SF		Roman Size Brick, Red, Running Bond..... Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8". (6.0 Bricks/SF)	26.60	
			For Buff Or Gray, Add	1.71	
			For Common Or American Bond, Add	0.65	
			For English Bond, Add	1.31	
			For Flemish Bond, Add	2.96	
			For Stacked Bond, Add	2.15	
			For <10, Small Area Replacements (Individual Areas), Add	25.01	
			For Curved Wall, Add	3.27	
			For Corbels, Add	12.25	
			For Severe Weather (SW) Brick, Add	1.54	
			For Glazed Brick, Add	35.95	
04 21 13 00-0011			Fire Brick <small>(04 21 13)</small>		
04 21 13 00-0012	SF		Fire Brick, Red, Running Bond.....	28.38	
			For Buff Or Gray, Add	2.01	
			For Common Or American Bond, Add	0.65	
			For English Bond, Add	1.31	
			For Flemish Bond, Add	3.05	
			For Stacked Bond, Add	2.24	
			For <10, Small Area Replacements (Individual Areas), Add	25.10	
04 21 13 00-0014			Window Sill <small>(04 21 13)</small>		
04 21 13 00-0015	LF		Window Sill, Standard Size Brick, Red, On Edge..... Note: Standard size brick, 3-5/8" x 2-1/4" x 8".	18.81	
			For Buff Or Gray, Add	0.15	
04 21 13 00-0016	LF		Window Sill, Engineer Standard Size Brick, Red, On Edge..... Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8".	18.92	
			For Buff Or Gray, Add	0.17	
04 21 13 00-0017	LF		Window Sill, Modular Size Brick, Red, On Edge..... Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8".	18.81	
			For Buff Or Gray, Add	0.15	
04 21 13 00-0018	LF		Window Sill, Engineer Modular Size Brick, Red, On Edge..... Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8".	18.99	
			For Buff Or Gray, Add	0.18	
04 21 13 00-0019	LF		Window Sill, Economy Size Brick, Red, On Edge..... Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8".	19.47	
			For Buff Or Gray, Add	0.26	
04 21 13 00-0020	LF		Window Sill, Utility Size Brick, Red, On Edge..... Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8".	19.57	
			For Buff Or Gray, Add	0.28	
04 21 13 00-0021	LF		Window Sill, Double Utility Size Brick, Red, On Edge..... Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8".	19.57	
			For Buff Or Gray, Add	0.28	
04 21 13 00-0022	LF		Window Sill, Norman Size Brick, Red, On Edge..... Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8".	19.06	
			For Buff Or Gray, Add	0.20	
04 21 13 00-0023	LF		Window Sill, Roman Size Brick, Red, On Edge..... Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8".	19.10	
			For Buff Or Gray, Add	0.20	
04 21 26			Glazed Structural Clay Tile Masonry <small>(04 21)</small>		
			Note: Includes tile and mortar in all colors.		
04 21 26 00-0001			6T Series Structural Glazed Clay Tile <small>(04 21 26)</small>		
04 21 26 00-0002			Glazed On One Side 6T Series Structural Glazed Clay Tile <small>(04 21 26 00-0001)</small>		
04 21 26 00-0003	SF		2" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"..... For Stacked Bond, Add	27.17 1.78	



Masonry	04	04
Unit Masonry	04 20	
Clay Unit Masonry	04 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 26 00-0004 SF 4" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12".....	30.42	
For Stacked Bond, Add	1.78	
04 21 26 00-0005 SF 6" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12".....	37.11	
For Stacked Bond, Add	1.86	
04 21 26 00-0006 Special Shapes 6T Series Structural Glazed Clay Tile (04 21 26 00-0001)		
04 21 26 00-0007 LF Bullnose, Jamb Or Sill Shapes 6T Series Structural Glazed Clay Tile.....	28.46	
For Stacked Bond, Add	2.11	
04 21 26 00-0008 LF 2" Or 4" Cove Base 6T Series Structural Glazed Clay Tile.....	33.87	
For Stacked Bond, Add	2.11	
04 21 26 00-0009 8W Series Structural Glazed Clay Tile (04 21 26)		
04 21 26 00-0010 Glazed On One Side 8W Series Structural Glazed Clay Tile (04 21 26 00-0009)		
04 21 26 00-0011 SF 2" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16".....	21.29	
For Stacked Bond, Add	1.13	
04 21 26 00-0012 SF 4" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16".....	26.48	
For Stacked Bond, Add	1.22	
04 21 26 00-0013 SF 6" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16".....	36.53	
For Stacked Bond, Add	1.30	
04 21 26 00-0014 Special Shapes 8W Series Structural Glazed Clay Tile (04 21 26 00-0009)		
04 21 26 00-0015 LF Bullnose, Jamb Or Sill Shapes 8W Series Structural Glazed Clay Tile.....	29.12	
For Stacked Bond, Add	1.46	
04 21 26 00-0016 LF 2" Or 4" Cove Base 8W Series Structural Glazed Clay Tile.....	29.07	
For Stacked Bond, Add	1.46	
04 21 26 00-0017 4W Series Structural Glazed Clay Tile (04 21 26)		
04 21 26 00-0018 Glazed On One Side 4W Series Structural Glazed Clay Tile (04 21 26 00-0017)		
04 21 26 00-0019 SF 2" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8".....	28.39	
For Stacked Bond, Add	1.78	
04 21 26 00-0020 SF 4" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8".....	30.01	
For Stacked Bond, Add	1.78	
04 21 26 00-0021 SF 6" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8".....	37.31	
For Stacked Bond, Add	1.86	
04 21 26 00-0022 Special Shapes 4W Series Structural Glazed Clay Tile (04 21 26 00-0017)		
04 21 26 00-0023 LF Bullnose, Jamb Or Sill Shapes 4W Series Structural Glazed Clay Tile.....	29.45	
For Stacked Bond, Add	2.11	
04 21 26 00-0024 LF 2" Or 4" Cove Base 4W Series Structural Glazed Clay Tile.....	33.78	
For Stacked Bond, Add	2.11	
04 21 26 00-0025 6T Series Sound Absorbing Structural Glazed Tile (04 21 26)		
04 21 26 00-0026 SF 4" Thick, 6T Sound Absorbing Structural Glazed Tile.....	43.98	
04 21 26 00-0027 SF 6" Thick, 6T Sound Absorbing Structural Glazed Tile.....	48.09	
04 21 26 00-0028 SF 8" Thick, 6T Sound Absorbing Structural Glazed Tile.....	55.96	
04 21 26 00-0029 8T Series Sound Absorbing Structural Glazed Tile (04 21 26)		
04 21 26 00-0030 SF 4" Thick, 8T Sound Absorbing Structural Glazed Tile.....	59.97	
04 21 26 00-0031 SF 6" Thick, 8T Sound Absorbing Structural Glazed Tile.....	69.29	
04 21 26 00-0032 SF 8" Thick, 8T Acoustical Glazed Tile.....	81.16	
04 22 Concrete Unit Masonry (04 20)		
Note: Includes block and mortar. Excludes horizontal and vertical reinforcing. See CSI section 04 05 19 13-0000 for joint reinforcing.		
04 22 23 Architectural Concrete Unit Masonry (04 22)		
04 22 23 13 Exposed Aggregate Concrete Unit Masonry (04 22 23)		
04 22 23 13-0001 Concrete Blocks (04 22 23 13)		
04 22 23 13-0002 Lightweight Concrete Blocks (04 22 23 13-0001)		
04 22 23 13-0003 Cored, Lightweight, Concrete Blocks (04 22 23 13-0002)		
04 22 23 13-0004 SF 4" x 8" x 16", Cored, Lightweight, Concrete Block.....	10.38	
For Stacked Bond, Add	2.24	
For Scored Block, Add	0.35	
For Curved Wall Application, Add	1.72	
For <10, Small Area Replacements (Individual Areas), Add	13.05	
04 22 23 13-0005 SF 6" x 8" x 16", Cored, Lightweight, Concrete Block.....	11.56	
For Stacked Bond, Add	2.42	
For Scored Block, Add	0.45	
For Curved Wall Application, Add	1.86	
For <10, Small Area Replacements (Individual Areas), Add	14.15	

04	Masonry
04 20	Unit Masonry
04 22	Concrete Unit Masonry



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0006	SF		8" x 8" x 16", Cored, Lightweight, Concrete Block	12.52	
			<i>For Stacked Bond, Add</i>	2.60	
			<i>For Scored Block, Add</i>	0.50	
			<i>For Curved Wall Application, Add</i>	2.00	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	15.19	
04 22 23 13-0007	SF		10" x 8" x 16", Cored, Lightweight, Concrete Block	13.82	
			<i>For Stacked Bond, Add</i>	2.72	
			<i>For Scored Block, Add</i>	0.67	
			<i>For Curved Wall Application, Add</i>	2.09	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	15.94	
04 22 23 13-0008	SF		12" x 8" x 16", Cored, Lightweight, Concrete Block	16.43	
			<i>For Stacked Bond, Add</i>	3.33	
			<i>For Scored Block, Add</i>	0.72	
			<i>For Curved Wall Application, Add</i>	2.56	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	19.49	
04 22 23 13-0009			Solid, Lightweight, Concrete Blocks (04 22 23 13-0002)		
04 22 23 13-0010	SF		4" x 8" x 16", Solid, Lightweight, Concrete Block	11.19	
			<i>For Stacked Bond, Add</i>	2.30	
			<i>For Scored Block, Add</i>	0.47	
			<i>For Curved Wall Application, Add</i>	1.77	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	13.42	
04 22 23 13-0011	SF		6" x 8" x 16", Solid, Lightweight, Concrete Block	12.27	
			<i>For Stacked Bond, Add</i>	2.53	
			<i>For Scored Block, Add</i>	0.51	
			<i>For Curved Wall Application, Add</i>	1.94	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	14.77	
04 22 23 13-0012	SF		8" x 8" x 16", Solid, Lightweight, Concrete Block	12.95	
			<i>For Stacked Bond, Add</i>	2.68	
			<i>For Scored Block, Add</i>	0.53	
			<i>For Curved Wall Application, Add</i>	2.06	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	15.66	
04 22 23 13-0013	SF		10" x 8" x 16", Solid, Lightweight, Concrete Block	14.45	
			<i>For Stacked Bond, Add</i>	2.81	
			<i>For Scored Block, Add</i>	0.73	
			<i>For Curved Wall Application, Add</i>	2.16	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	16.47	
04 22 23 13-0014	SF		12" x 8" x 16", Solid, Lightweight, Concrete Block	17.14	
			<i>For Stacked Bond, Add</i>	3.44	
			<i>For Scored Block, Add</i>	0.78	
			<i>For Curved Wall Application, Add</i>	2.65	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	20.15	
04 22 23 13-0015			Normalweight Concrete Blocks (04 22 23 13-0001)		
04 22 23 13-0016			Cored, Normalweight, Concrete Blocks (04 22 23 13-0015)		
04 22 23 13-0017	SF		4" x 8" x 16", Cored, Normalweight, Concrete Block	10.60	
			<i>For Stacked Bond, Add</i>	2.30	
			<i>For Scored Block, Add</i>	0.35	
			<i>For Curved Wall Application, Add</i>	1.77	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	13.38	
04 22 23 13-0018	SF		6" x 8" x 16", Cored, Normalweight, Concrete Block	11.74	
			<i>For Stacked Bond, Add</i>	2.53	
			<i>For Scored Block, Add</i>	0.40	
			<i>For Curved Wall Application, Add</i>	1.94	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	14.73	
04 22 23 13-0019	SF		8" x 8" x 16", Cored, Normalweight, Concrete Block	12.64	
			<i>For Stacked Bond, Add</i>	2.68	
			<i>For Scored Block, Add</i>	0.47	
			<i>For Curved Wall Application, Add</i>	2.06	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	15.64	
04 22 23 13-0020	SF		10" x 8" x 16", Cored, Normalweight, Concrete Block	15.29	
			<i>For Stacked Bond, Add</i>	2.81	
			<i>For Scored Block, Add</i>	0.90	
			<i>For Curved Wall Application, Add</i>	2.16	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	16.54	
04 22 23 13-0021	SF		12" x 8" x 16", Cored, Normalweight, Concrete Block	17.87	
			<i>For Stacked Bond, Add</i>	3.44	
			<i>For Scored Block, Add</i>	0.93	
			<i>For Curved Wall Application, Add</i>	2.65	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	20.21	
04 22 23 13-0022			Solid, Normalweight, Concrete Blocks (04 22 23 13-0015)		
04 22 23 13-0023	SF		4" x 8" x 16", Solid, Normalweight, Concrete Block	11.31	
			<i>For Stacked Bond, Add</i>	2.36	
			<i>For Scored Block, Add</i>	0.45	
			<i>For Curved Wall Application, Add</i>	1.81	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	13.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0024 SF 6" x 8" x 16", Solid, Normalweight, Concrete Block	12.08	
<i>For Stacked Bond, Add</i>	2.60	
<i>For Scored Block, Add</i>	0.42	
<i>For Curved Wall Application, Add</i>	2.00	
<i>For <10, Small Area Replacements (Individual Areas), Add</i>	15.16	
04 22 23 13-0025 SF 8" x 8" x 16", Solid, Normalweight, Concrete Block	13.04	
<i>For Stacked Bond, Add</i>	2.76	
<i>For Scored Block, Add</i>	0.48	
<i>For Curved Wall Application, Add</i>	2.13	
<i>For <10, Small Area Replacements (Individual Areas), Add</i>	16.13	
04 22 23 13-0026 SF 10" x 8" x 16", Solid, Normalweight, Concrete Block	14.37	
<i>For Stacked Bond, Add</i>	2.90	
<i>For Scored Block, Add</i>	0.64	
<i>For Curved Wall Application, Add</i>	2.23	
<i>For <10, Small Area Replacements (Individual Areas), Add</i>	16.97	
04 22 23 13-0027 SF 12" x 8" x 16", Solid, Normalweight, Concrete Block	17.05	
<i>For Stacked Bond, Add</i>	3.56	
<i>For Scored Block, Add</i>	0.67	
<i>For Curved Wall Application, Add</i>	2.74	
<i>For <10, Small Area Replacements (Individual Areas), Add</i>	20.79	
04 22 23 13-0028 Bond Beam Or Lintel Concrete Blocks (04 22 23 13)		
04 22 23 13-0029 Lightweight, Bond Beam Or Lintel Concrete Blocks (04 22 23 13-0028)		
Note: Excludes concrete fill and reinforcing.		
04 22 23 13-0030 LF 6" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block	12.08	
<i>For Stacked Bond, Add</i>	2.42	
<i>For Grout And Fill With 2 #5 Rebar, Add</i>	7.42	
<i>For Scored Block, Add</i>	0.55	
<i>For Curved Wall Application, Add</i>	1.86	
04 22 23 13-0031 LF 8" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block	13.34	
<i>For Stacked Bond, Add</i>	2.60	
<i>For Grout And Fill With 2 #5 Rebar, Add</i>	8.34	
<i>For Scored Block, Add</i>	0.67	
<i>For Curved Wall Application, Add</i>	2.00	
04 22 23 13-0032 LF 12" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block	16.36	
<i>For Stacked Bond, Add</i>	3.33	
<i>For Grout And Fill With 2 #5 Rebar, Add</i>	9.96	
<i>For Scored Block, Add</i>	0.71	
<i>For Curved Wall Application, Add</i>	2.56	
04 22 23 13-0033 Normalweight, Bond Beam Or Lintel Concrete Blocks (04 22 23 13-0028)		
Note: Excludes concrete fill and reinforcing.		
04 22 23 13-0034 LF 6" x 8" x 16", Normalweight, Bond Beam Or Lintel Concrete Block	12.09	
<i>For Stacked Bond, Add</i>	2.53	
<i>For Grout And Fill With 2 #5 Rebar, Add</i>	7.23	
<i>For Scored Block, Add</i>	0.47	
<i>For Curved Wall Application, Add</i>	1.94	
04 22 23 13-0035 LF 8" x 8" x 16", Normalweight, Bond Beam Or Lintel Concrete Block	13.26	
<i>For Stacked Bond, Add</i>	2.68	
<i>For Grout And Fill With 2 #5 Rebar, Add</i>	8.11	
<i>For Scored Block, Add</i>	0.59	
<i>For Curved Wall Application, Add</i>	2.06	
04 22 23 13-0036 LF 12" x 8" x 16", Normalweight, Bond Beam Or Lintel Concrete Block	16.40	
<i>For Stacked Bond, Add</i>	3.44	
<i>For Grout And Fill With 2 #5 Rebar, Add</i>	9.78	
<i>For Scored Block, Add</i>	0.63	
<i>For Curved Wall Application, Add</i>	2.65	
04 22 23 23 Prefaced Concrete Unit Masonry (04 22 23)		
04 22 23 23-0001 Ground Face Concrete Blocks (04 22 23 23)		
04 22 23 23-0002 SF 4" x 8" x 16", Ground Face, Concrete Block	13.63	
<i>For Stacked Bond, Add</i>	2.81	
<i>For Scored Block, Add</i>	0.57	
<i>For Curved Wall Application, Add</i>	2.16	
<i>For <10, Small Area Replacements (Individual Areas), Add</i>	16.41	
04 22 23 23-0003 SF 6" x 8" x 16", Ground Face, Concrete Block	15.37	
<i>For Stacked Bond, Add</i>	3.16	
<i>For Scored Block, Add</i>	0.64	
<i>For Curved Wall Application, Add</i>	2.43	
<i>For <10, Small Area Replacements (Individual Areas), Add</i>	18.47	
04 22 23 23-0004 SF 8" x 8" x 16", Ground Face, Concrete Block	16.64	
<i>For Stacked Bond, Add</i>	3.34	
<i>For Scored Block, Add</i>	0.76	
<i>For Curved Wall Application, Add</i>	2.57	
<i>For <10, Small Area Replacements (Individual Areas), Add</i>	19.53	
04 22 23 23-0005 SF 10" x 8" x 16", Ground Face, Concrete Block	17.81	
<i>For Stacked Bond, Add</i>	3.54	
<i>For Scored Block, Add</i>	0.84	
<i>For Curved Wall Application, Add</i>	2.72	
<i>For <10, Small Area Replacements (Individual Areas), Add</i>	20.72	

04	Masonry
04 20	Unit Masonry
04 22	Concrete Unit Masonry



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 23-0006 SF 12" x 8" x 16", Ground Face, Concrete Block	21.14	
For Stacked Bond, Add	4.30	
For Scored Block, Add	0.92	
For Curved Wall Application, Add	3.31	
For <10, Small Area Replacements (Individual Areas), Add	25.16	
04 22 23 26 Sound-Absorbing Concrete Unit Masonry (04 22 23)		
04 22 23 26-0001 Slotted, Acoustical Concrete Block (04 22 23 26)		
04 22 23 26-0002 SF 4" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block	18.62	
For Stacked Bond, Add	2.81	
For Curved Wall Application, Add	2.16	
For <10, Small Area Replacements (Individual Areas), Add	16.79	
04 22 23 26-0003 SF 6" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block	20.90	
For Stacked Bond, Add	3.05	
For Curved Wall Application, Add	2.35	
For <10, Small Area Replacements (Individual Areas), Add	18.28	
04 22 23 26-0004 SF 8" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block	24.13	
For Stacked Bond, Add	3.34	
For Curved Wall Application, Add	2.57	
For <10, Small Area Replacements (Individual Areas), Add	20.09	
04 22 23 29 Split-Face Concrete Unit Masonry (04 22 23)		
04 22 23 29-0001 Split Face, Concrete Blocks (04 22 23 29)		
04 22 23 29-0002 Plain Or Scored, Split Face, Concrete Blocks (04 22 23 29-0001)		
04 22 23 29-0003 SF 4" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	13.97	
For Stacked Bond, Add	2.81	
For Curved Wall Application, Add	2.16	
For <10, Small Area Replacements (Individual Areas), Add	16.44	
04 22 23 29-0004 SF 6" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	15.77	
For Stacked Bond, Add	3.16	
For Curved Wall Application, Add	2.43	
For <10, Small Area Replacements (Individual Areas), Add	18.50	
04 22 23 29-0005 SF 8" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	17.09	
For Stacked Bond, Add	3.34	
For Curved Wall Application, Add	2.57	
For <10, Small Area Replacements (Individual Areas), Add	19.56	
04 22 23 29-0006 SF 10" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	18.34	
For Stacked Bond, Add	3.54	
For Curved Wall Application, Add	2.72	
For <10, Small Area Replacements (Individual Areas), Add	20.76	
04 22 23 29-0007 SF 12" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	21.11	
For Stacked Bond, Add	4.30	
For Curved Wall Application, Add	3.31	
For <10, Small Area Replacements (Individual Areas), Add	25.15	
04 22 23 29-0008 Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Blocks (04 22 23 29-0001)		
04 22 23 29-0009 SF 4" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	14.76	
For Stacked Bond, Add	2.81	
For Grout And Fill With 2 #5 Rebar, Add	9.36	
For Curved Wall Application, Add	2.16	
For <10, Small Area Replacements (Individual Areas), Add	16.50	
04 22 23 29-0010 SF 6" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	16.67	
For Stacked Bond, Add	3.16	
For Grout And Fill With 2 #5 Rebar, Add	10.60	
For Curved Wall Application, Add	2.43	
For <10, Small Area Replacements (Individual Areas), Add	18.56	
04 22 23 29-0011 SF 8" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	18.16	
For Stacked Bond, Add	3.34	
For Grout And Fill With 2 #5 Rebar, Add	11.75	
For Curved Wall Application, Add	2.57	
For <10, Small Area Replacements (Individual Areas), Add	19.64	
04 22 23 29-0012 SF 10" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	19.52	
For Stacked Bond, Add	3.54	
For Grout And Fill With 2 #5 Rebar, Add	12.72	
For Curved Wall Application, Add	2.72	
For <10, Small Area Replacements (Individual Areas), Add	20.84	
04 22 23 29-0013 SF 12" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	22.25	
For Stacked Bond, Add	4.30	
For Grout And Fill With 2 #5 Rebar, Add	13.98	
For Curved Wall Application, Add	3.31	
For <10, Small Area Replacements (Individual Areas), Add	25.24	
04 22 23 29-0014 Split Rib, Concrete Block (04 22 23 29)		
04 22 23 29-0015 Split Rib, Concrete Block (04 22 23 29-0014)		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	04 22 23	29-0016	SF	4" x 8" x 16", Split Rib, Concrete Block.....	13.72	
				<i>For Stacked Bond, Add</i>	2.81	
				<i>For Curved Wall Application, Add</i>	2.16	
				<i>For <10, Small Area Replacements (Individual Areas), Add</i>	16.42	
	04 22 23	29-0017	SF	6" x 8" x 16", Split Rib, Concrete Block.....	16.36	
				<i>For Stacked Bond, Add</i>	3.16	
				<i>For Curved Wall Application, Add</i>	2.43	
				<i>For <10, Small Area Replacements (Individual Areas), Add</i>	18.54	
	04 22 23	29-0018	SF	8" x 8" x 16", Split Rib, Concrete Block.....	17.40	
				<i>For Stacked Bond, Add</i>	3.34	
				<i>For Curved Wall Application, Add</i>	2.57	
				<i>For <10, Small Area Replacements (Individual Areas), Add</i>	19.59	
	04 22 23	29-0019	SF	10" x 8" x 16", Split Rib, Concrete Block.....	18.59	
				<i>For Stacked Bond, Add</i>	3.54	
				<i>For Curved Wall Application, Add</i>	2.72	
				<i>For <10, Small Area Replacements (Individual Areas), Add</i>	20.77	
	04 22 23	29-0020	SF	12" x 8" x 16", Split Rib, Concrete Block.....	22.01	
				<i>For Stacked Bond, Add</i>	4.30	
				<i>For Curved Wall Application, Add</i>	3.31	
				<i>For <10, Small Area Replacements (Individual Areas), Add</i>	25.22	
	04 22 23 31			Glazed Concrete Masonry Unit <small>(04 22 23)</small>		
	04 22 23 31-0001			One Glazed Face, Concrete Blocks <small>(04 22 23 31)</small>		
	04 22 23 31-0002			One Glazed Face, Concrete Blocks <small>(04 22 23 31-0001)</small>		
	04 22 23 31-0003	SF		4" x 8" x 16", One Glazed Face, Concrete Block.....	24.48	
				<i>For Stacked Bond, Add</i>	2.72	
				<i>For Curved Wall Application, Add</i>	2.09	
				<i>For <10, Small Area Replacements (Individual Areas), Add</i>	16.74	
	04 22 23 31-0004	SF		6" x 8" x 16", One Glazed Face, Concrete Block.....	26.20	
				<i>For Stacked Bond, Add</i>	3.00	
				<i>For Curved Wall Application, Add</i>	2.30	
				<i>For <10, Small Area Replacements (Individual Areas), Add</i>	18.38	
	04 22 23 31-0005	SF		8" x 8" x 16", One Glazed Face, Concrete Block.....	27.75	
				<i>For Stacked Bond, Add</i>	3.16	
				<i>For Curved Wall Application, Add</i>	2.43	
				<i>For <10, Small Area Replacements (Individual Areas), Add</i>	19.40	
	04 22 23 31-0006	SF		10" x 8" x 16", One Glazed Face, Concrete Block.....	29.39	
				<i>For Stacked Bond, Add</i>	3.34	
				<i>For Curved Wall Application, Add</i>	2.57	
				<i>For <10, Small Area Replacements (Individual Areas), Add</i>	20.49	
	04 22 23 31-0007	SF		12" x 8" x 16", One Glazed Face, Concrete Block.....	32.94	
				<i>For Stacked Bond, Add</i>	4.05	
				<i>For Curved Wall Application, Add</i>	3.11	
				<i>For <10, Small Area Replacements (Individual Areas), Add</i>	24.66	
	04 22 23 31-0008			Two Glazed Faces, Concrete Blocks <small>(04 22 23 31)</small>		
	04 22 23 31-0009			Two Glazed Faces, Concrete Blocks <small>(04 22 23 31-0008)</small>		
	04 22 23 31-0010	SF		4" x 8" x 16", Two Glazed Faces, Concrete Block.....	32.75	
				<i>For Stacked Bond, Add</i>	3.10	
				<i>For Curved Wall Application, Add</i>	2.39	
				<i>For <10, Small Area Replacements (Individual Areas), Add</i>	19.47	
	04 22 23 31-0011	SF		6" x 8" x 16", Two Glazed Faces, Concrete Block.....	34.33	
				<i>For Stacked Bond, Add</i>	3.34	
				<i>For Curved Wall Application, Add</i>	2.57	
				<i>For <10, Small Area Replacements (Individual Areas), Add</i>	20.86	
	04 22 23 31-0012	SF		8" x 8" x 16", Two Glazed Faces, Concrete Block.....	36.61	
				<i>For Stacked Bond, Add</i>	3.69	
				<i>For Curved Wall Application, Add</i>	2.84	
				<i>For <10, Small Area Replacements (Individual Areas), Add</i>	22.95	
	04 23			Glass Unit Masonry <small>(04 20)</small>		
	04 23 13			Vertical Glass Unit Masonry <small>(04 23)</small>		
				Note: Includes 1/4" mortar joints and caulking. Excludes joint reinforcement and anchors.		
	04 23 13 00-0001			Glass Block Unit Masonry <small>(04 23 13)</small>		
	04 23 13 00-0002	SF		6" x 6" x 4" Plain Glass Block.....	48.86	
				<i>For Solar Reflective (Suntrol) Blocks, Add</i>	7.46	
				<i>For Essex (Horizontal Striated) Blocks, Add</i>	4.26	
				<i>For Sculptured Or Patterned Blocks, Add</i>	7.46	
				<i>For Colored Glass, Add</i>	21.32	
				<i>For Thinline Block, Deduct</i>	-5.33	
				<i>For >1,000 To 5,000, Deduct</i>	-3.81	
				<i>For >5,000, Deduct</i>	-6.25	

04	Masonry
04 20	Unit Masonry
04 23	Glass Unit Masonry



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 23 13 00-0003 SF 8" x 8" x 4" Plain Glass Block.....	35.34	
For Solar Reflective (Suntrol) Blocks, Add	5.28	
For Essex (Horizontal Striated) Blocks, Add	3.02	
For Sculptured Or Patterned Blocks, Add	5.28	
For Colored Glass, Add	15.09	
For Thinline Block, Deduct	-3.77	
For >1,000 To 5,000, Deduct	-2.77	
For >5,000, Deduct	-4.53	
04 23 13 00-0004 SF 12" x 12" x 4" Plain Glass Block.....	37.90	
For Solar Reflective (Suntrol) Blocks, Add	6.75	
For Essex (Horizontal Striated) Blocks, Add	3.86	
For Sculptured Or Patterned Blocks, Add	6.75	
For Colored Glass, Add	19.28	
For Thinline Block, Deduct	-4.82	
For >1,000 To 5,000, Deduct	-2.82	
For >5,000, Deduct	-4.71	
04 23 13 00-0005 Solid Glass Block (Vistabrik®) (04 23 13)		
04 23 13 00-0006 SF 3" x 8" x 3" Solid Glass Block (Vistabrik®).....	385.28	
04 23 13 00-0007 SF 4" x 8" x 3" Solid Glass Block (Vistabrik®).....	294.58	
04 23 13 00-0008 SF 6" x 8" x 3" Solid Glass Block (Vistabrik®).....	204.96	
04 23 13 00-0009 SF 8" x 8" x 3" Solid Glass Block (Vistabrik®).....	143.97	
04 40 Stone Assemblies (04)		
Note: Includes pointing and cleaning of new stone and mortar. All stone prices include material and mortar.		
04 41 Dry-Placed Stone (04 40)		
04 41 00 00-0001 Ashlar Veneer, Random Size, Square Cut Rough Stone (04 41)		
04 41 00 00-0002 SF 4" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone.....	34.04	6.62
04 41 00 00-0003 SF 6" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone.....	34.94	6.62
04 42 Exterior Stone Cladding (04 40)		
04 42 43 Stone Panels For Curtain Walls (04 42)		
04 42 43 00-0001 Marble Facing Panels (04 42 43)		
Note: 3' x 1.5'		
04 42 43 00-0002 SF 3/4" Thick Marble Facing Panels.....	55.75	14.12
04 42 43 00-0003 SF 7/8" Thick Marble Facing Panels.....	58.73	14.31
04 42 43 00-0004 SF 1-1/2" Thick Marble Facing Panels.....	67.44	14.59
04 42 43 00-0005 SF 2" Thick Marble Facing Panels.....	73.91	15.04
04 42 43 00-0006 SF 2-1/4" Thick Marble Facing Panels.....	78.75	15.95
04 42 43 00-0007 CF Marble Face Panel.....	328.78	51.95
04 42 43 00-0008 Smooth Limestone Panels (04 42 43)		
Note: Up to 12' x 5' panels.		
04 42 43 00-0009 SF 1-1/2" Thick Smooth Limestone Panels.....	50.45	28.35
04 42 43 00-0010 SF 2" Thick Smooth Limestone Panels.....	53.56	29.72
04 42 43 00-0011 SF 3" Thick Smooth Limestone Panels.....	56.84	31.08
04 42 43 00-0012 SF 4" Thick Smooth Limestone Panels.....	66.13	34.18
04 42 43 00-0013 Sandstone Panels (04 42 43)		
04 42 43 00-0014 SF 2-1/2" Thick Sandstone Panels.....	58.26	29.72
04 42 43 00-0015 SF 4" Thick Sandstone Panels.....	63.74	34.18
04 42 43 00-0016 SF Split Face Sandstone Panels, Random Sizes.....	58.17	34.18
04 43 Stone Masonry (04 40)		
04 43 16 Stone Fabrications (04 43)		
04 43 16 00-0001 Marble (04 43 16)		
04 43 16 00-0002 Marble Base (04 43 16 00-0001)		
Note: 1" thick.		
04 43 16 00-0003 LF 4" High Marble Base.....	90.43	58.67
04 43 16 00-0004 LF 6" High Marble Base.....	102.08	63.92
04 43 16 00-0005 Marble Columns (04 43 16 00-0001)		
04 43 16 00-0006 CF Plain Faced Solid Marble Columns.....	230.13	51.95
04 43 16 00-0007 CF Fluted, Carved Solid Marble Columns.....	375.07	51.95
04 43 16 00-0008 Marble Flooring (04 43 16 00-0001)		
04 43 16 00-0009 SF 3/8" Uniform Color Marble Flooring.....	24.78	13.44



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 43 16 00-0010 SF 1/2" Uniform Color Marble Flooring.....	26.38	13.44
04 43 16 00-0011 SF 1/2" Travertine Marble Flooring	31.49	15.35
04 43 16 00-0012 Marble Items (04 43 16 00-0001)		
04 43 16 00-0013 LF 12" Wide Marble Stair Treads.....	63.02	21.21
04 43 16 00-0014 LF 6" Wide Marble Stair Risers.....	48.16	17.01
04 43 16 00-0015 LF 6" Wide x 2" Thick Marble Window Sills.....	29.28	12.56
04 43 16 00-0016 LF 5" Wide x 7/8" Thick Marble Window Stool, Polished.....	55.15	15.43
04 43 16 00-0017 SF 7/8" Thick, Non Skid, Marble Patio Blocks.....	33.39	19.47
04 43 16 00-0018 Limestone (04 43 16)		
04 43 16 00-0019 Ashlar Veneer Limestone (04 43 16 00-0018)		
04 43 16 00-0020 SF 4" Ashlar Veneer Limestone, Random Sizes.....	53.32	21.21
04 43 16 00-0021 SF 6" To 8" Thick, Pitched Face Ashlar Veneer Limestone, Random Sizes.....	81.28	29.15
04 43 16 00-0022 Limestone Coping (04 43 16 00-0018)		
Note: Measured from the highest point. Includes drilling into existing materials, caulk and ties.		
04 43 16 00-0023 SF 2-1/2" Thick Limestone Coping.....	25.34	7.29
04 43 16 00-0024 SF 3" Thick Limestone Coping.....	28.39	7.74
04 43 16 00-0025 SF 3-1/2" Thick Limestone Coping.....	31.44	8.21
04 43 16 00-0026 SF 4" Thick Limestone Coping.....	33.59	8.47
04 43 16 00-0027 SF 5" Thick Limestone Coping.....	38.81	8.66
04 43 16 00-0028 SF 6" Thick Limestone Coping.....	56.66	9.11
04 43 16 00-0029 CF >6" Thick Limestone Coping.....	94.02	19.08
04 43 16 00-0030 Limestone Stair Treads (04 43 16 00-0018)		
04 43 16 00-0031 SF 2" Thick Limestone Treads.....	30.15	6.84
04 43 16 00-0032 SF 2-1/2" Thick Limestone Treads.....	32.09	7.29
04 43 16 00-0033 SF 3" Thick Limestone Treads.....	35.95	7.74
04 43 16 00-0034 SF 3-1/2" Thick Limestone Treads.....	38.90	8.21
04 43 16 00-0035 SF 4" Thick Limestone Treads.....	41.86	8.21
04 43 16 00-0036 SF 5" Thick Limestone Treads.....	45.94	8.66
04 43 16 00-0037 SF 6" Thick Limestone Tread, Smooth Finish.....	63.85	9.11
04 43 16 00-0038 Limestone Items (04 43 16 00-0018)		
04 43 16 00-0039 CF Sawn Edge Limestone Block, Sill, Lintel, Jamb And Other Trim.....	161.89	71.55
04 43 16 00-0040 Granite (04 43 16)		
04 43 16 00-0041 Polished Granite Veneer Facing Panels (04 43 16 00-0040)		
Note: Excludes structural support steel.		
04 43 16 00-0042 SF 7/8" Thick Black Polished Granite Veneer Facing Panels.....	82.90	28.53
04 43 16 00-0043 SF 7/8" Thick Gray Polished Granite Veneer Facing Panels.....	75.80	28.53
04 43 16 00-0044 Granite Stair Treads (04 43 16 00-0040)		
04 43 16 00-0045 SF 2" Thick Granite Stair Tread.....	48.37	6.84
04 43 16 00-0046 Slate (04 43 16)		
04 43 16 00-0047 Slate Panels Or Sills (04 43 16 00-0046)		
04 43 16 00-0048 SF 1" Thick Slate Panels.....	52.16	28.53
04 43 16 00-0049 SF 2" Thick Slate Panels.....	61.32	28.53
04 43 16 00-0050 Slate Sills Or Stools (04 43 16 00-0046)		
04 43 16 00-0051 LF 6" Wide, 1" Thick Slate Sills Or Stools With Sand Finish.....	24.34	12.64
04 43 16 00-0052 LF 10" Wide, 1" Thick Slate Sills Or Stools With Sand Finish.....	30.17	12.64
04 43 16 00-0053 LF 6" Wide, 2" Thick Slate Sills Or Stools With Sand Finish.....	29.34	12.64
04 43 16 00-0054 LF 10" Wide, 2" Thick Slate Sills Or Stools With Sand Finish.....	41.84	12.64
04 43 16 00-0055 Slate Stair Treads (04 43 16 00-0046)		
04 43 16 00-0056 SF 2" Thick Slate Stair Tread.....	35.81	6.84
04 50 Refractory Masonry (04)		
04 51 Flue Liner Masonry (04 50)		
Note: Includes mortar joints.		
04 51 00 00-0001 Rectangular Flue Liners (04 51)		

04	Masonry
04 50	Refractory Masonry
04 51	Flue Liner Masonry



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 51 00 00-0002 VLF 4" x 8" Clay Flue Liners.....	16.51	
04 51 00 00-0003 VLF 8" x 8" Clay Flue Liners.....	22.82	
04 51 00 00-0004 VLF 8" x 12" Clay Flue Liners.....	26.00	
04 51 00 00-0005 VLF 12" x 12" Clay Flue Liners.....	32.38	
04 51 00 00-0006 VLF 12" x 16" Clay Flue Liners.....	39.56	
04 51 00 00-0007 VLF 12" x 18" Clay Flue Liners.....	45.02	
04 51 00 00-0008 VLF 16" x 16" Clay Flue Liners.....	49.06	
04 51 00 00-0009 VLF 16" x 20" Clay Flue Liners.....	60.60	
04 51 00 00-0010 VLF 18" x 18" Clay Flue Liners.....	64.76	
04 51 00 00-0011 VLF 20" x 20" Clay Flue Liners.....	83.48	
04 51 00 00-0012 VLF 20" x 24" Clay Flue Liners.....	90.96	
04 51 00 00-0013 VLF 24" x 24" Clay Flue Liners.....	107.88	
04 51 00 00-0014 Round Flue Liners (04 51)		
04 51 00 00-0015 VLF 6" Diameter Clay Flue Liners	40.44	
04 51 00 00-0016 VLF 8" Diameter Clay Flue Liners	58.97	
04 51 00 00-0017 VLF 10" Diameter Clay Flue Liners	77.61	
04 51 00 00-0018 VLF 12" Diameter Clay Flue Liners	94.58	
04 51 00 00-0019 VLF 15" Diameter Clay Flue Liners	116.06	
04 51 00 00-0020 VLF 18" Diameter Clay Flue Liners	125.45	
04 51 00 00-0021 VLF 21" Diameter Clay Flue Liners	160.10	
04 51 00 00-0022 VLF 24" Diameter Clay Flue Liners	196.62	
04 51 00 00-0023 VLF 27" Diameter Clay Flue Liners	226.91	
04 51 00 00-0024 VLF 30" Diameter Clay Flue Liners	258.10	
04 51 00 00-0025 VLF 33" Diameter Clay Flue Liners	270.66	
04 51 00 00-0026 VLF 36" Diameter Clay Flue Liners	275.80	
04 51 00 00-0027 Standard Chimney Block (04 51)		
Note: Includes refractory mortar. Excludes flue liners.		
04 51 00 00-0028 EA 14" x 14" x 8" Concrete Block Chimney Unit.....	24.26	
04 51 00 00-0029 EA 14" x 18" x 8" Concrete Block Chimney Unit.....	26.19	
04 51 00 00-0030 EA 16" x 16" x 8" Concrete Block Chimney Unit.....	26.39	
04 51 00 00-0031 EA 17" x 17" x 8" Concrete Block Chimney Unit.....	27.63	
04 51 00 00-0032 EA 16" x 20" x 8" Concrete Block Chimney Unit.....	28.99	
04 51 00 00-0033 EA 17" x 21" x 8" Concrete Block Chimney Unit.....	30.45	
04 51 00 00-0034 EA 21" x 21" x 8" Concrete Block Chimney Unit.....	34.24	
04 70 Manufactured Masonry (04)		
04 72 Cast Stone Masonry (04 70)		
04 72 00 00-0001 Precast Concrete Lintels (04 72)		
04 72 00 00-0002 Solid Precast Concrete Lintels (04 72 00 00-0001)		
04 72 00 00-0003 LF 4" x 8", Solid Precast Concrete Lintel	12.53	
04 72 00 00-0004 LF 6" x 8", Solid Precast Concrete Lintel	15.43	
04 72 00 00-0005 LF 8" x 8", Solid Precast Concrete Lintel	18.70	
04 72 00 00-0006 U Shaped Precast Concrete Lintels (04 72 00 00-0001)		
Note: Excludes concrete fill and field added reinforcing. See CSI section 04 05 16 26-0001 for concrete fill.		
04 72 00 00-0007 LF 6" x 8", U Shaped Precast Concrete Lintel	13.40	
04 72 00 00-0008 LF 8" x 8", U Shaped Precast Concrete Lintel	15.95	
04 72 00 00-0009 LF 12" x 8", U Shaped Precast Concrete Lintel	24.70	
04 72 00 00-0010 Precast Concrete Coping (04 72)		
Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts. See CSI section 04 43 00 00-0000 for stone coping, 07 62 00 00-0000 for metal copings.		
04 72 00 00-0011 Precast Concrete Coping (04 72 00 00-0010)		
Note: Measured at highest point.		
04 72 00 00-0012 SF 2" Thick Precast Concrete Coping	44.72	10.34
04 72 00 00-0013 SF 2-1/2" Thick Precast Concrete Coping.....	50.35	11.13
04 72 00 00-0014 SF 3" Thick Precast Concrete Coping	58.12	11.92
04 72 00 00-0015 SF 3-1/2" Thick Precast Concrete Coping.....	62.49	12.72
04 72 00 00-0016 SF 4" Thick Precast Concrete Coping	66.91	13.51
04 72 00 00-0017 SF 5" Thick Precast Concrete Coping	79.49	14.31
04 72 00 00-0018 SF 6" Thick Precast Concrete Coping	90.62	15.11
04 72 00 00-0019 Precast Concrete Window Sills (04 72)		
Note: Includes caulk and ties.		
04 72 00 00-0020 Precast Concrete Window Sills (04 72 00 00-0019)		
04 72 00 00-0021 LF 6" Wide Precast Concrete Window Sill	32.73	7.95
04 72 00 00-0022 LF 10" Wide Precast Concrete Window Sill	48.93	7.95
04 72 00 00-0023 LF 14" Wide Precast Concrete Window Sill	57.72	7.95



	Masonry	04	04
	Manufactured Masonry	04 70	
	Cast Stone Masonry	04 72	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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END OF SECTION 04

04	04	Masonry
	04 70	Manufactured Masonry
	04 72	Cast Stone Masonry



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 Metals

05 05 Common Work Results For Metals ⁽⁰⁵⁾

05 05 19 Post-Installed Concrete Anchors ^(05 05)

See CSI section 03 15 19 00-0000 for cast-in concrete anchors.

05 05 19 00-0001 Concrete And Masonry Anchors ^(05 05 19)

05 05 19 00-0002 Expansion Anchors ^(05 05 19 00-0001)

Note: Includes drilling.

05 05 19 00-0003 Wedge Expansion Bolt Anchors ^(05 05 19 00-0002)

05 05 19 00-0004 Zinc Plated Steel, Wedge Anchor Expansion Bolt ^(05 05 19 00-0003)

Note: Includes nut and washer.

05 05 19 00-0005	EA 1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	10.04	
	For >10 To 50, Deduct	-0.48	
	For >50 To 100, Deduct	-0.96	
	For >100, Deduct	-1.93	
05 05 19 00-0006	EA 1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	10.13	
	For >10 To 50, Deduct	-0.48	
	For >50 To 100, Deduct	-0.97	
	For >100, Deduct	-1.93	
05 05 19 00-0007	EA 1/4" Diameter x 3-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	10.43	
	For >10 To 50, Deduct	-0.49	
	For >50 To 100, Deduct	-0.99	
	For >100, Deduct	-1.99	
05 05 19 00-0008	EA 3/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	12.32	
	For >10 To 50, Deduct	-0.58	
	For >50 To 100, Deduct	-1.18	
	For >100, Deduct	-2.35	
05 05 19 00-0009	EA 3/8" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	12.38	
	For >10 To 50, Deduct	-0.58	
	For >50 To 100, Deduct	-1.18	
	For >100, Deduct	-2.35	
05 05 19 00-0010	EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	12.40	
	For >10 To 50, Deduct	-0.58	
	For >50 To 100, Deduct	-1.18	
	For >100, Deduct	-2.35	
05 05 19 00-0011	EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	12.64	
	For >10 To 50, Deduct	-0.58	
	For >50 To 100, Deduct	-1.18	
	For >100, Deduct	-2.37	
05 05 19 00-0012	EA 1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	17.81	
	For >10 To 50, Deduct	-0.82	
	For >50 To 100, Deduct	-1.68	
	For >100, Deduct	-3.36	
05 05 19 00-0013	EA 1/2" Diameter x 3-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	17.86	
	For >10 To 50, Deduct	-0.82	
	For >50 To 100, Deduct	-1.68	
	For >100, Deduct	-3.36	
05 05 19 00-0014	EA 1/2" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	17.96	
	For >10 To 50, Deduct	-0.82	
	For >50 To 100, Deduct	-1.68	
	For >100, Deduct	-3.36	
05 05 19 00-0015	EA 1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	18.23	
	For >10 To 50, Deduct	-0.82	
	For >50 To 100, Deduct	-1.69	
	For >100, Deduct	-3.38	
05 05 19 00-0016	EA 1/2" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	18.60	
	For >10 To 50, Deduct	-0.82	
	For >50 To 100, Deduct	-1.70	
	For >100, Deduct	-3.40	
05 05 19 00-0017	EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	23.05	
	For >10 To 50, Deduct	-1.02	
	For >50 To 100, Deduct	-2.10	
	For >100, Deduct	-4.20	
05 05 19 00-0018	EA 5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	23.13	
	For >10 To 50, Deduct	-1.02	
	For >50 To 100, Deduct	-2.10	
	For >100, Deduct	-4.20	
05 05 19 00-0019	EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	23.30	
	For >10 To 50, Deduct	-1.02	
	For >50 To 100, Deduct	-2.11	
	For >100, Deduct	-4.21	
05 05 19 00-0020	EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	23.63	
	For >10 To 50, Deduct	-1.02	
	For >50 To 100, Deduct	-2.11	
	For >100, Deduct	-4.23	
05 05 19 00-0021	EA 5/8" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	23.97	
	For >10 To 50, Deduct	-1.02	
	For >50 To 100, Deduct	-2.12	
	For >100, Deduct	-4.24	

05 Metals**05 05 Common Work Results For Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0022	EA		5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	26.59	
			<i>For >10 To 50, Deduct</i>	-1.02	
			<i>For >50 To 100, Deduct</i>	-2.19	
			<i>For >100, Deduct</i>	-4.37	
05 05 19 00-0023	EA		5/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	28.84	
			<i>For >10 To 50, Deduct</i>	-1.02	
			<i>For >50 To 100, Deduct</i>	-2.24	
			<i>For >100, Deduct</i>	-4.49	
05 05 19 00-0024	EA		3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	27.79	
			<i>For >10 To 50, Deduct</i>	-1.21	
			<i>For >50 To 100, Deduct</i>	-2.51	
			<i>For >100, Deduct</i>	-5.01	
05 05 19 00-0025	EA		3/4" Diameter x 4-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	27.86	
			<i>For >10 To 50, Deduct</i>	-1.21	
			<i>For >50 To 100, Deduct</i>	-2.51	
			<i>For >100, Deduct</i>	-5.02	
05 05 19 00-0026	EA		3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	28.26	
			<i>For >10 To 50, Deduct</i>	-1.21	
			<i>For >50 To 100, Deduct</i>	-2.52	
			<i>For >100, Deduct</i>	-5.04	
05 05 19 00-0027	EA		3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	28.74	
			<i>For >10 To 50, Deduct</i>	-1.21	
			<i>For >50 To 100, Deduct</i>	-2.53	
			<i>For >100, Deduct</i>	-5.06	
05 05 19 00-0028	EA		3/4" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	29.29	
			<i>For >10 To 50, Deduct</i>	-1.21	
			<i>For >50 To 100, Deduct</i>	-2.54	
			<i>For >100, Deduct</i>	-5.09	
05 05 19 00-0029	EA		3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	31.39	
			<i>For >10 To 50, Deduct</i>	-1.21	
			<i>For >50 To 100, Deduct</i>	-2.60	
			<i>For >100, Deduct</i>	-5.19	
05 05 19 00-0030	EA		3/4" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	34.18	
			<i>For >10 To 50, Deduct</i>	-1.21	
			<i>For >50 To 100, Deduct</i>	-2.67	
			<i>For >100, Deduct</i>	-5.33	
05 05 19 00-0031	EA		3/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	37.34	
			<i>For >10 To 50, Deduct</i>	-1.21	
			<i>For >50 To 100, Deduct</i>	-2.74	
			<i>For >100, Deduct</i>	-5.49	
05 05 19 00-0032	EA		7/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	36.59	
			<i>For >10 To 50, Deduct</i>	-1.31	
			<i>For >50 To 100, Deduct</i>	-2.88	
			<i>For >100, Deduct</i>	-5.76	
05 05 19 00-0033	EA		7/8" Diameter x 8" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	38.25	
			<i>For >10 To 50, Deduct</i>	-1.31	
			<i>For >50 To 100, Deduct</i>	-2.92	
			<i>For >100, Deduct</i>	-5.84	
05 05 19 00-0034	EA		7/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	40.45	
			<i>For >10 To 50, Deduct</i>	-1.31	
			<i>For >50 To 100, Deduct</i>	-2.98	
			<i>For >100, Deduct</i>	-5.95	
05 05 19 00-0035	EA		1" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	45.48	
			<i>For >10 To 50, Deduct</i>	-1.70	
			<i>For >50 To 100, Deduct</i>	-3.68	
			<i>For >100, Deduct</i>	-7.36	
05 05 19 00-0036	EA		1" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	48.60	
			<i>For >10 To 50, Deduct</i>	-1.70	
			<i>For >50 To 100, Deduct</i>	-3.76	
			<i>For >100, Deduct</i>	-7.52	
05 05 19 00-0037	EA		1" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	51.70	
			<i>For >10 To 50, Deduct</i>	-1.70	
			<i>For >50 To 100, Deduct</i>	-3.84	
			<i>For >100, Deduct</i>	-7.67	
05 05 19 00-0038	EA		1-1/4" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	59.15	
			<i>For >10 To 50, Deduct</i>	-2.17	
			<i>For >50 To 100, Deduct</i>	-4.73	
			<i>For >100, Deduct</i>	-9.47	
05 05 19 00-0039	EA		1-1/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	61.38	
			<i>For >10 To 50, Deduct</i>	-2.17	
			<i>For >50 To 100, Deduct</i>	-4.79	
			<i>For >100, Deduct</i>	-9.58	
05 05 19 00-0040			304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt <small>(05 05 19 00-0003)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0041	EA		1/4" Diameter x 1-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	10.78	
			<i>For >10 To 50, Deduct</i>	-0.48	
			<i>For >50 To 100, Deduct</i>	-0.98	
			<i>For >100, Deduct</i>	-1.97	
05 05 19 00-0042	EA		1/4" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	11.07	
			<i>For >10 To 50, Deduct</i>	-0.48	
			<i>For >50 To 100, Deduct</i>	-0.99	
			<i>For >100, Deduct</i>	-1.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0043 EA 1/4" Diameter x 3-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	11.51	
<i>For >10 To 50, Deduct</i>	-0.49	
<i>For >50 To 100, Deduct</i>	-1.02	
<i>For >100, Deduct</i>	-2.04	
05 05 19 00-0044 EA 3/8" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	13.69	
<i>For >10 To 50, Deduct</i>	-0.58	
<i>For >50 To 100, Deduct</i>	-1.21	
<i>For >100, Deduct</i>	-2.42	
05 05 19 00-0045 EA 3/8" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	13.95	
<i>For >10 To 50, Deduct</i>	-0.58	
<i>For >50 To 100, Deduct</i>	-1.22	
<i>For >100, Deduct</i>	-2.43	
05 05 19 00-0046 EA 3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	14.13	
<i>For >10 To 50, Deduct</i>	-0.58	
<i>For >50 To 100, Deduct</i>	-1.22	
<i>For >100, Deduct</i>	-2.44	
05 05 19 00-0047 EA 3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	15.51	
<i>For >10 To 50, Deduct</i>	-0.58	
<i>For >50 To 100, Deduct</i>	-1.25	
<i>For >100, Deduct</i>	-2.51	
05 05 19 00-0048 EA 1/2" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	20.91	
<i>For >10 To 50, Deduct</i>	-0.82	
<i>For >50 To 100, Deduct</i>	-1.76	
<i>For >100, Deduct</i>	-3.51	
05 05 19 00-0049 EA 1/2" Diameter x 3-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	21.39	
<i>For >10 To 50, Deduct</i>	-0.82	
<i>For >50 To 100, Deduct</i>	-1.77	
<i>For >100, Deduct</i>	-3.54	
05 05 19 00-0050 EA 1/2" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	21.66	
<i>For >10 To 50, Deduct</i>	-0.82	
<i>For >50 To 100, Deduct</i>	-1.77	
<i>For >100, Deduct</i>	-3.55	
05 05 19 00-0051 EA 1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	22.92	
<i>For >10 To 50, Deduct</i>	-0.82	
<i>For >50 To 100, Deduct</i>	-1.81	
<i>For >100, Deduct</i>	-3.61	
05 05 19 00-0052 EA 1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	24.81	
<i>For >10 To 50, Deduct</i>	-0.82	
<i>For >50 To 100, Deduct</i>	-1.85	
<i>For >100, Deduct</i>	-3.71	
05 05 19 00-0053 EA 5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	29.36	
<i>For >10 To 50, Deduct</i>	-1.02	
<i>For >50 To 100, Deduct</i>	-2.26	
<i>For >100, Deduct</i>	-4.51	
05 05 19 00-0054 EA 5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	30.59	
<i>For >10 To 50, Deduct</i>	-1.02	
<i>For >50 To 100, Deduct</i>	-2.29	
<i>For >100, Deduct</i>	-4.57	
05 05 19 00-0055 EA 5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	31.92	
<i>For >10 To 50, Deduct</i>	-1.02	
<i>For >50 To 100, Deduct</i>	-2.32	
<i>For >100, Deduct</i>	-4.64	
05 05 19 00-0056 EA 5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	33.69	
<i>For >10 To 50, Deduct</i>	-1.02	
<i>For >50 To 100, Deduct</i>	-2.36	
<i>For >100, Deduct</i>	-4.73	
05 05 19 00-0057 EA 5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	41.45	
<i>For >10 To 50, Deduct</i>	-1.02	
<i>For >50 To 100, Deduct</i>	-2.56	
<i>For >100, Deduct</i>	-5.12	
05 05 19 00-0058 EA 3/4" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	35.03	
<i>For >10 To 50, Deduct</i>	-1.21	
<i>For >50 To 100, Deduct</i>	-2.69	
<i>For >100, Deduct</i>	-5.37	
05 05 19 00-0059 EA 3/4" Diameter x 4-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	37.53	
<i>For >10 To 50, Deduct</i>	-1.21	
<i>For >50 To 100, Deduct</i>	-2.75	
<i>For >100, Deduct</i>	-5.50	
05 05 19 00-0060 EA 3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	39.66	
<i>For >10 To 50, Deduct</i>	-1.21	
<i>For >50 To 100, Deduct</i>	-2.80	
<i>For >100, Deduct</i>	-5.61	
05 05 19 00-0061 EA 3/4" Diameter x 6-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	39.93	
<i>For >10 To 50, Deduct</i>	-1.21	
<i>For >50 To 100, Deduct</i>	-2.81	
<i>For >100, Deduct</i>	-5.62	
05 05 19 00-0062 EA 3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	41.93	
<i>For >10 To 50, Deduct</i>	-1.21	
<i>For >50 To 100, Deduct</i>	-2.86	
<i>For >100, Deduct</i>	-5.72	
05 05 19 00-0063 EA 3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	47.13	
<i>For >10 To 50, Deduct</i>	-1.21	
<i>For >50 To 100, Deduct</i>	-2.99	
<i>For >100, Deduct</i>	-5.98	

05 Metals**05 05 Common Work Results For Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0064	EA		3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	54.46	
			<i>For >10 To 50, Deduct</i>	-1.21	
			<i>For >50 To 100, Deduct</i>	-3.17	
			<i>For >100, Deduct</i>	-6.35	
05 05 19 00-0065	EA		7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	55.15	
			<i>For >10 To 50, Deduct</i>	-1.31	
			<i>For >50 To 100, Deduct</i>	-3.34	
			<i>For >100, Deduct</i>	-6.69	
05 05 19 00-0066	EA		1" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	79.33	
			<i>For >10 To 50, Deduct</i>	-1.70	
			<i>For >50 To 100, Deduct</i>	-4.53	
			<i>For >100, Deduct</i>	-9.05	
05 05 19 00-0067	EA		1" Diameter x 9" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	90.18	
			<i>For >10 To 50, Deduct</i>	-1.70	
			<i>For >50 To 100, Deduct</i>	-4.80	
			<i>For >100, Deduct</i>	-9.60	
05 05 19 00-0068 316 Stainless Steel, Wedge Anchor Expansion Bolt (05 05 19 00-0003)					
Note: Includes nut and washer.					
05 05 19 00-0069	EA		1/4" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	11.03	
			<i>For >10 To 50, Deduct</i>	-0.48	
			<i>For >50 To 100, Deduct</i>	-0.99	
			<i>For >100, Deduct</i>	-1.98	
05 05 19 00-0070	EA		1/4" Diameter x 3-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	11.62	
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.02	
			<i>For >100, Deduct</i>	-2.05	
05 05 19 00-0071	EA		3/8" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	14.52	
			<i>For >10 To 50, Deduct</i>	-0.58	
			<i>For >50 To 100, Deduct</i>	-1.23	
			<i>For >100, Deduct</i>	-2.46	
05 05 19 00-0072	EA		3/8" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	14.95	
			<i>For >10 To 50, Deduct</i>	-0.58	
			<i>For >50 To 100, Deduct</i>	-1.24	
			<i>For >100, Deduct</i>	-2.48	
05 05 19 00-0073	EA		3/8" Diameter x 3" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	15.06	
			<i>For >10 To 50, Deduct</i>	-0.58	
			<i>For >50 To 100, Deduct</i>	-1.24	
			<i>For >100, Deduct</i>	-2.49	
05 05 19 00-0074	EA		3/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	17.15	
			<i>For >10 To 50, Deduct</i>	-0.58	
			<i>For >50 To 100, Deduct</i>	-1.30	
			<i>For >100, Deduct</i>	-2.59	
05 05 19 00-0075	EA		1/2" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	22.90	
			<i>For >10 To 50, Deduct</i>	-0.82	
			<i>For >50 To 100, Deduct</i>	-1.81	
			<i>For >100, Deduct</i>	-3.61	
05 05 19 00-0076	EA		1/2" Diameter x 3-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	24.11	
			<i>For >10 To 50, Deduct</i>	-0.82	
			<i>For >50 To 100, Deduct</i>	-1.84	
			<i>For >100, Deduct</i>	-3.67	
05 05 19 00-0077	EA		1/2" Diameter x 4-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	26.30	
			<i>For >10 To 50, Deduct</i>	-0.82	
			<i>For >50 To 100, Deduct</i>	-1.89	
			<i>For >100, Deduct</i>	-3.78	
05 05 19 00-0078	EA		1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	26.85	
			<i>For >10 To 50, Deduct</i>	-0.82	
			<i>For >50 To 100, Deduct</i>	-1.90	
			<i>For >100, Deduct</i>	-3.81	
05 05 19 00-0079	EA		5/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	36.09	
			<i>For >10 To 50, Deduct</i>	-1.02	
			<i>For >50 To 100, Deduct</i>	-2.42	
			<i>For >100, Deduct</i>	-4.85	
05 05 19 00-0080	EA		5/8" Diameter x 7" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	36.75	
			<i>For >10 To 50, Deduct</i>	-1.02	
			<i>For >50 To 100, Deduct</i>	-2.44	
			<i>For >100, Deduct</i>	-4.88	
05 05 19 00-0081	EA		3/4" Diameter x 4-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	44.44	
			<i>For >10 To 50, Deduct</i>	-1.21	
			<i>For >50 To 100, Deduct</i>	-2.92	
			<i>For >100, Deduct</i>	-5.84	
05 05 19 00-0082	EA		3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	47.18	
			<i>For >10 To 50, Deduct</i>	-1.21	
			<i>For >50 To 100, Deduct</i>	-2.99	
			<i>For >100, Deduct</i>	-5.98	
05 05 19 00-0083 Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt (05 05 19 00-0003)					
Note: Includes nut and washer.					
05 05 19 00-0084	EA		1/2" Diameter x 2-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	20.74	
			<i>For >10 To 50, Deduct</i>	-0.82	
			<i>For >50 To 100, Deduct</i>	-1.75	
			<i>For >100, Deduct</i>	-3.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0085 EA 1/2" Diameter x 4-1/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	21.87	
For >10 To 50, Deduct	-0.82	
For >50 To 100, Deduct	-1.78	
For >100, Deduct	-3.56	
05 05 19 00-0086 EA 1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	23.01	
For >10 To 50, Deduct	-0.82	
For >50 To 100, Deduct	-1.81	
For >100, Deduct	-3.62	
05 05 19 00-0087 EA 1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	23.58	
For >10 To 50, Deduct	-0.82	
For >50 To 100, Deduct	-1.82	
For >100, Deduct	-3.65	
05 05 19 00-0088 EA 5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	28.46	
For >10 To 50, Deduct	-1.02	
For >50 To 100, Deduct	-2.23	
For >100, Deduct	-4.47	
05 05 19 00-0089 EA 5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	27.10	
For >10 To 50, Deduct	-1.02	
For >50 To 100, Deduct	-2.20	
For >100, Deduct	-4.40	
05 05 19 00-0090 EA 3/4" Diameter x 4-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	36.84	
For >10 To 50, Deduct	-1.21	
For >50 To 100, Deduct	-2.73	
For >100, Deduct	-5.46	
05 05 19 00-0091 EA 3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	38.09	
For >10 To 50, Deduct	-1.21	
For >50 To 100, Deduct	-2.76	
For >100, Deduct	-5.53	
05 05 19 00-0092 EA 3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	44.22	
For >10 To 50, Deduct	-1.21	
For >50 To 100, Deduct	-2.92	
For >100, Deduct	-5.83	
05 05 19 00-0093 EA 1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	46.98	
For >10 To 50, Deduct	-1.70	
For >50 To 100, Deduct	-3.72	
For >100, Deduct	-7.44	
05 05 19 00-0094 EA 1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	50.51	
For >10 To 50, Deduct	-1.70	
For >50 To 100, Deduct	-3.81	
For >100, Deduct	-7.61	
05 05 19 00-0095 EA 1" Diameter x 12" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	54.00	
For >10 To 50, Deduct	-1.70	
For >50 To 100, Deduct	-3.89	
For >100, Deduct	-7.79	
05 05 19 00-0096 Concrete Sleeve Anchors <small>(05 05 19 00-0002)</small>		
05 05 19 00-0097 Zinc Plated Steel, Concrete Sleeve Anchors <small>(05 05 19 00-0096)</small>		
Note: Includes nut and washer.		
05 05 19 00-0098 EA 1/4" Diameter x 5/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	10.11	
For >10 To 50, Deduct	-0.49	
For >50 To 100, Deduct	-0.98	
For >100, Deduct	-1.96	
05 05 19 00-0099 EA 1/4" Diameter x 1-3/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	10.23	
For >10 To 50, Deduct	-0.49	
For >50 To 100, Deduct	-0.98	
For >100, Deduct	-1.97	
05 05 19 00-0100 EA 1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	10.38	
For >10 To 50, Deduct	-0.49	
For >50 To 100, Deduct	-0.99	
For >100, Deduct	-1.98	
05 05 19 00-0101 EA 5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	10.65	
For >10 To 50, Deduct	-0.51	
For >50 To 100, Deduct	-1.03	
For >100, Deduct	-2.06	
05 05 19 00-0102 EA 5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	10.75	
For >10 To 50, Deduct	-0.51	
For >50 To 100, Deduct	-1.03	
For >100, Deduct	-2.07	
05 05 19 00-0103 EA 3/8" Diameter x 1-7/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	12.06	
For >10 To 50, Deduct	-0.58	
For >50 To 100, Deduct	-1.17	
For >100, Deduct	-2.34	
05 05 19 00-0104 EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	12.26	
For >10 To 50, Deduct	-0.58	
For >50 To 100, Deduct	-1.17	
For >100, Deduct	-2.35	
05 05 19 00-0105 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	12.45	
For >10 To 50, Deduct	-0.58	
For >50 To 100, Deduct	-1.18	
For >100, Deduct	-2.36	
05 05 19 00-0106 EA 1/2" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	17.35	
For >10 To 50, Deduct	-0.82	
For >50 To 100, Deduct	-1.67	
For >100, Deduct	-3.33	

05 Metals**05 05 Common Work Results For Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0107	EA		1/2" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	17.61	
			<i>For >10 To 50, Deduct</i>	-0.82	
			<i>For >50 To 100, Deduct</i>	-1.67	
			<i>For >100, Deduct</i>	-3.34	
05 05 19 00-0108	EA		1/2" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	17.83	
			<i>For >10 To 50, Deduct</i>	-0.82	
			<i>For >50 To 100, Deduct</i>	-1.68	
			<i>For >100, Deduct</i>	-3.35	
05 05 19 00-0109	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	18.09	
			<i>For >10 To 50, Deduct</i>	-0.82	
			<i>For >50 To 100, Deduct</i>	-1.68	
			<i>For >100, Deduct</i>	-3.37	
05 05 19 00-0110	EA		5/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	21.74	
			<i>For >10 To 50, Deduct</i>	-1.01	
			<i>For >50 To 100, Deduct</i>	-2.07	
			<i>For >100, Deduct</i>	-4.13	
05 05 19 00-0111	EA		5/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	22.12	
			<i>For >10 To 50, Deduct</i>	-1.01	
			<i>For >50 To 100, Deduct</i>	-2.07	
			<i>For >100, Deduct</i>	-4.15	
05 05 19 00-0112	EA		5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	22.41	
			<i>For >10 To 50, Deduct</i>	-1.01	
			<i>For >50 To 100, Deduct</i>	-2.08	
			<i>For >100, Deduct</i>	-4.16	
05 05 19 00-0113	EA		5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	23.23	
			<i>For >10 To 50, Deduct</i>	-1.01	
			<i>For >50 To 100, Deduct</i>	-2.10	
			<i>For >100, Deduct</i>	-4.21	
05 05 19 00-0114	EA		3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	26.56	
			<i>For >10 To 50, Deduct</i>	-1.21	
			<i>For >50 To 100, Deduct</i>	-2.48	
			<i>For >100, Deduct</i>	-4.95	
05 05 19 00-0115	EA		3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	27.27	
			<i>For >10 To 50, Deduct</i>	-1.21	
			<i>For >50 To 100, Deduct</i>	-2.49	
			<i>For >100, Deduct</i>	-4.99	
05 05 19 00-0116	EA		3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	27.92	
			<i>For >10 To 50, Deduct</i>	-1.21	
			<i>For >50 To 100, Deduct</i>	-2.51	
			<i>For >100, Deduct</i>	-5.02	
05 05 19 00-0117	EA		3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	28.94	
			<i>For >10 To 50, Deduct</i>	-1.21	
			<i>For >50 To 100, Deduct</i>	-2.53	
			<i>For >100, Deduct</i>	-5.07	
05 05 19 00-0118			304/18-8 Stainless Steel, Concrete Sleeve Anchors <small>(05 05 19 00-0096)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0119	EA		1/4" Diameter x 1-3/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	11.29	
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.01	
			<i>For >100, Deduct</i>	-2.02	
05 05 19 00-0120	EA		3/8" Diameter x 1-7/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	14.50	
			<i>For >10 To 50, Deduct</i>	-0.58	
			<i>For >50 To 100, Deduct</i>	-1.23	
			<i>For >100, Deduct</i>	-2.46	
05 05 19 00-0121	EA		3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	15.66	
			<i>For >10 To 50, Deduct</i>	-0.58	
			<i>For >50 To 100, Deduct</i>	-1.26	
			<i>For >100, Deduct</i>	-2.52	
05 05 19 00-0122	EA		1/2" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	21.42	
			<i>For >10 To 50, Deduct</i>	-0.82	
			<i>For >50 To 100, Deduct</i>	-1.77	
			<i>For >100, Deduct</i>	-3.53	
05 05 19 00-0123	EA		1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	23.52	
			<i>For >10 To 50, Deduct</i>	-0.82	
			<i>For >50 To 100, Deduct</i>	-1.82	
			<i>For >100, Deduct</i>	-3.64	
05 05 19 00-0124	EA		5/8" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	31.72	
			<i>For >10 To 50, Deduct</i>	-1.01	
			<i>For >50 To 100, Deduct</i>	-2.31	
			<i>For >100, Deduct</i>	-4.63	
05 05 19 00-0125			Concrete Strike Anchors <small>(05 05 19 00-0002)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0126	EA		1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	10.69	
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.00	
			<i>For >100, Deduct</i>	-1.99	
05 05 19 00-0127	EA		1/4" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor	10.90	
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.00	
			<i>For >100, Deduct</i>	-2.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0128 EA 5/16" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	11.36	
<i>For >10 To 50, Deduct</i>	-0.51	
<i>For >50 To 100, Deduct</i>	-1.05	
<i>For >100, Deduct</i>	-2.10	
05 05 19 00-0129 EA 5/16" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor	12.20	
<i>For >10 To 50, Deduct</i>	-0.51	
<i>For >50 To 100, Deduct</i>	-1.07	
<i>For >100, Deduct</i>	-2.14	
05 05 19 00-0130 EA 3/8" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor	12.97	
<i>For >10 To 50, Deduct</i>	-0.58	
<i>For >50 To 100, Deduct</i>	-1.19	
<i>For >100, Deduct</i>	-2.38	
05 05 19 00-0131 EA 3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor	13.59	
<i>For >10 To 50, Deduct</i>	-0.58	
<i>For >50 To 100, Deduct</i>	-1.21	
<i>For >100, Deduct</i>	-2.41	
05 05 19 00-0132 EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor	14.07	
<i>For >10 To 50, Deduct</i>	-0.58	
<i>For >50 To 100, Deduct</i>	-1.22	
<i>For >100, Deduct</i>	-2.44	
05 05 19 00-0133 EA 1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	18.90	
<i>For >10 To 50, Deduct</i>	-0.82	
<i>For >50 To 100, Deduct</i>	-1.70	
<i>For >100, Deduct</i>	-3.41	
05 05 19 00-0134 EA 1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor	19.27	
<i>For >10 To 50, Deduct</i>	-0.82	
<i>For >50 To 100, Deduct</i>	-1.71	
<i>For >100, Deduct</i>	-3.43	
05 05 19 00-0135 EA 1/2" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	20.37	
<i>For >10 To 50, Deduct</i>	-0.82	
<i>For >50 To 100, Deduct</i>	-1.74	
<i>For >100, Deduct</i>	-3.48	
05 05 19 00-0136 EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	21.78	
<i>For >10 To 50, Deduct</i>	-0.82	
<i>For >50 To 100, Deduct</i>	-1.78	
<i>For >100, Deduct</i>	-3.55	
05 05 19 00-0137 EA 5/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor	25.02	
<i>For >10 To 50, Deduct</i>	-1.01	
<i>For >50 To 100, Deduct</i>	-2.15	
<i>For >100, Deduct</i>	-4.29	
05 05 19 00-0138 EA 5/8" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	26.33	
<i>For >10 To 50, Deduct</i>	-1.01	
<i>For >50 To 100, Deduct</i>	-2.18	
<i>For >100, Deduct</i>	-4.36	
05 05 19 00-0139 EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	27.48	
<i>For >10 To 50, Deduct</i>	-1.01	
<i>For >50 To 100, Deduct</i>	-2.21	
<i>For >100, Deduct</i>	-4.42	
05 05 19 00-0140 EA 3/4" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor	32.01	
<i>For >10 To 50, Deduct</i>	-1.21	
<i>For >50 To 100, Deduct</i>	-2.61	
<i>For >100, Deduct</i>	-5.22	
05 05 19 00-0141 EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	33.24	
<i>For >10 To 50, Deduct</i>	-1.21	
<i>For >50 To 100, Deduct</i>	-2.64	
<i>For >100, Deduct</i>	-5.28	
05 05 19 00-0142 Multi-Set Drop-In Anchors <small>(05 05 19 00-0002)</small>		
05 05 19 00-0143 Zinc Plated Steel, Multi-Set Drop-In Anchors <small>(05 05 19 00-0142)</small>		
Note: Excludes bolt, nut and washer.		
05 05 19 00-0144 EA 1/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	14.05	
<i>For >10 To 50, Deduct</i>	-0.68	
<i>For >50 To 100, Deduct</i>	-1.37	
<i>For >100, Deduct</i>	-2.73	
05 05 19 00-0145 EA 3/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	17.17	
<i>For >10 To 50, Deduct</i>	-0.82	
<i>For >50 To 100, Deduct</i>	-1.67	
<i>For >100, Deduct</i>	-3.33	
05 05 19 00-0146 EA 1/2" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	20.90	
<i>For >10 To 50, Deduct</i>	-0.97	
<i>For >50 To 100, Deduct</i>	-1.98	
<i>For >100, Deduct</i>	-3.96	
05 05 19 00-0147 EA 5/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	23.65	
<i>For >10 To 50, Deduct</i>	-1.07	
<i>For >50 To 100, Deduct</i>	-2.19	
<i>For >100, Deduct</i>	-4.39	
05 05 19 00-0148 EA 3/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	28.25	
<i>For >10 To 50, Deduct</i>	-1.22	
<i>For >50 To 100, Deduct</i>	-2.53	
<i>For >100, Deduct</i>	-5.06	
05 05 19 00-0149 304/18-8 Stainless Steel, Multi-Set Drop-In Anchors <small>(05 05 19 00-0142)</small>		
Note: Excludes bolt, nut and washer.		

05 Metals**05 05 Common Work Results For Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0150	EA		1/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	16.49	
			<i>For >10 To 50, Deduct</i>	-0.68	
			<i>For >50 To 100, Deduct</i>	-1.43	
			<i>For >100, Deduct</i>	-2.85	
05 05 19 00-0151	EA		3/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	21.78	
			<i>For >10 To 50, Deduct</i>	-0.82	
			<i>For >50 To 100, Deduct</i>	-1.78	
			<i>For >100, Deduct</i>	-3.56	
05 05 19 00-0152	EA		1/2" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	26.96	
			<i>For >10 To 50, Deduct</i>	-0.97	
			<i>For >50 To 100, Deduct</i>	-2.13	
			<i>For >100, Deduct</i>	-4.26	
05 05 19 00-0153	EA		5/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	33.41	
			<i>For >10 To 50, Deduct</i>	-1.07	
			<i>For >50 To 100, Deduct</i>	-2.44	
			<i>For >100, Deduct</i>	-4.87	
05 05 19 00-0154	EA		3/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	45.02	
			<i>For >10 To 50, Deduct</i>	-1.22	
			<i>For >50 To 100, Deduct</i>	-2.95	
			<i>For >100, Deduct</i>	-5.90	
05 05 19 00-0155			Single Bolt Expansion Anchors (05 05 19 00-0002)		
			Note: Excludes bolt, nut and washer.		
05 05 19 00-0156	EA		1/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	10.29	
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-0.99	
			<i>For >100, Deduct</i>	-1.97	
05 05 19 00-0157	EA		5/16" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	10.97	
			<i>For >10 To 50, Deduct</i>	-0.51	
			<i>For >50 To 100, Deduct</i>	-1.04	
			<i>For >100, Deduct</i>	-2.08	
05 05 19 00-0158	EA		3/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	12.41	
			<i>For >10 To 50, Deduct</i>	-0.58	
			<i>For >50 To 100, Deduct</i>	-1.18	
			<i>For >100, Deduct</i>	-2.35	
05 05 19 00-0159	EA		1/2" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	18.09	
			<i>For >10 To 50, Deduct</i>	-0.82	
			<i>For >50 To 100, Deduct</i>	-1.68	
			<i>For >100, Deduct</i>	-3.37	
05 05 19 00-0160	EA		5/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	24.86	
			<i>For >10 To 50, Deduct</i>	-1.01	
			<i>For >50 To 100, Deduct</i>	-2.14	
			<i>For >100, Deduct</i>	-4.29	
05 05 19 00-0161	EA		3/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	29.97	
			<i>For >10 To 50, Deduct</i>	-1.21	
			<i>For >50 To 100, Deduct</i>	-2.56	
			<i>For >100, Deduct</i>	-5.12	
05 05 19 00-0162			Concrete Lag Shield Anchors (05 05 19 00-0002)		
			Note: Excludes lag bolt and washer.		
05 05 19 00-0163	EA		1/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	10.48	
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-0.99	
			<i>For >100, Deduct</i>	-1.98	
05 05 19 00-0164	EA		5/16" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	12.47	
			<i>For >10 To 50, Deduct</i>	-0.58	
			<i>For >50 To 100, Deduct</i>	-1.18	
			<i>For >100, Deduct</i>	-2.36	
05 05 19 00-0165	EA		3/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	13.08	
			<i>For >10 To 50, Deduct</i>	-0.58	
			<i>For >50 To 100, Deduct</i>	-1.19	
			<i>For >100, Deduct</i>	-2.39	
05 05 19 00-0166	EA		1/2" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	18.43	
			<i>For >10 To 50, Deduct</i>	-0.82	
			<i>For >50 To 100, Deduct</i>	-1.69	
			<i>For >100, Deduct</i>	-3.38	
05 05 19 00-0167	EA		5/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	24.08	
			<i>For >10 To 50, Deduct</i>	-1.01	
			<i>For >50 To 100, Deduct</i>	-2.12	
			<i>For >100, Deduct</i>	-4.25	
05 05 19 00-0168	EA		3/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	27.14	
			<i>For >10 To 50, Deduct</i>	-1.21	
			<i>For >50 To 100, Deduct</i>	-2.49	
			<i>For >100, Deduct</i>	-4.98	
05 05 19 00-0169			Chemical And Adhesive Anchors (05 05 19 00-0001)		
05 05 19 00-0170			Chemically Adhered Anchor Rods (05 05 19 00-0169)		
			Note: Includes drilling hole, injected adhesive or pre-placed adhesive cartridge, nut and washer. Zinc coated carbon steel.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0171 EA 1/4" x 1-9/16" Long Chemically Adhered Anchor Rod	13.00	
<i>For >10 To 50, Deduct</i>	-0.53	
<i>For >50 To 100, Deduct</i>	-1.13	
<i>For >100, Deduct</i>	-2.25	
05 05 19 00-0172 EA 5/16" x 2-3/8" Long Chemically Adhered Anchor Rod	15.03	
<i>For >10 To 50, Deduct</i>	-0.58	
<i>For >50 To 100, Deduct</i>	-1.25	
<i>For >100, Deduct</i>	-2.50	
05 05 19 00-0173 EA 3/8" x 2-3/4" Long Chemically Adhered Anchor Rod	18.67	
<i>For >10 To 50, Deduct</i>	-0.73	
<i>For >50 To 100, Deduct</i>	-1.56	
<i>For >100, Deduct</i>	-3.12	
05 05 19 00-0174 EA 1/2" x 3-11/16" Long Chemically Adhered Anchor Rod	21.82	
<i>For >10 To 50, Deduct</i>	-0.82	
<i>For >50 To 100, Deduct</i>	-1.78	
<i>For >100, Deduct</i>	-3.55	
05 05 19 00-0175 EA 1/2" x 5-1/2" Long Chemically Adhered Anchor Rod	23.05	
<i>For >10 To 50, Deduct</i>	-0.82	
<i>For >50 To 100, Deduct</i>	-1.81	
<i>For >100, Deduct</i>	-3.62	
05 05 19 00-0176 EA 5/8" x 7" Long Chemically Adhered Anchor Rod.....	28.53	
<i>For >10 To 50, Deduct</i>	-1.01	
<i>For >50 To 100, Deduct</i>	-2.24	
<i>For >100, Deduct</i>	-4.47	
05 05 19 00-0177 EA 3/4" x 9-1/2" Long Chemically Adhered Anchor Rod	36.91	
<i>For >10 To 50, Deduct</i>	-1.21	
<i>For >50 To 100, Deduct</i>	-2.73	
<i>For >100, Deduct</i>	-5.47	
05 05 19 00-0178 EA 7/8" x 10" Long Chemically Adhered Anchor Rod.....	43.58	
<i>For >10 To 50, Deduct</i>	-1.31	
<i>For >50 To 100, Deduct</i>	-3.05	
<i>For >100, Deduct</i>	-6.10	
05 05 19 00-0179 EA 1" x 11-3/4" Long Chemically Adhered Anchor Rod	59.43	
<i>For >10 To 50, Deduct</i>	-1.70	
<i>For >50 To 100, Deduct</i>	-4.03	
<i>For >100, Deduct</i>	-8.06	
05 05 19 00-0180 EA 1-1/4" x 14" Long Chemically Adhered Anchor Rod	84.91	
<i>For >10 To 50, Deduct</i>	-2.14	
<i>For >50 To 100, Deduct</i>	-5.33	
<i>For >100, Deduct</i>	-10.66	
05 05 19 00-0181 Chemical Adhesives For Bolts, Dowels Or Threaded Rod <small>(05 05 19 00-0169)</small>		
<small>Note: Injected or drop in cartridge. Sizes listed are for the diameter of the bolt, dowel or rod to be anchored. Includes drilling. Excludes bolt, dowel or rod.</small>		
05 05 19 00-0182 EA 1/4" Chemical Adhesive For Bolt Or Threaded Rod	10.98	
<i>For >10 To 50, Deduct</i>	-0.53	
<i>For >50 To 100, Deduct</i>	-1.08	
<i>For >100, Deduct</i>	-2.15	
05 05 19 00-0183 EA 5/16" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	12.02	
<i>For >10 To 50, Deduct</i>	-0.58	
<i>For >50 To 100, Deduct</i>	-1.18	
<i>For >100, Deduct</i>	-2.35	
05 05 19 00-0184 EA 3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	15.06	
<i>For >10 To 50, Deduct</i>	-0.73	
<i>For >50 To 100, Deduct</i>	-1.47	
<i>For >100, Deduct</i>	-2.94	
05 05 19 00-0185 EA 1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	17.09	
<i>For >10 To 50, Deduct</i>	-0.82	
<i>For >50 To 100, Deduct</i>	-1.66	
<i>For >100, Deduct</i>	-3.32	
05 05 19 00-0186 EA 5/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	21.93	
<i>For >10 To 50, Deduct</i>	-1.01	
<i>For >50 To 100, Deduct</i>	-2.07	
<i>For >100, Deduct</i>	-4.14	
05 05 19 00-0187 EA 3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	27.01	
<i>For >10 To 50, Deduct</i>	-1.21	
<i>For >50 To 100, Deduct</i>	-2.49	
<i>For >100, Deduct</i>	-4.97	
05 05 19 00-0188 EA 7/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	29.96	
<i>For >10 To 50, Deduct</i>	-1.31	
<i>For >50 To 100, Deduct</i>	-2.71	
<i>For >100, Deduct</i>	-5.42	
05 05 19 00-0189 EA 1" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	39.64	
<i>For >10 To 50, Deduct</i>	-1.70	
<i>For >50 To 100, Deduct</i>	-3.53	
<i>For >100, Deduct</i>	-7.07	
05 05 19 00-0190 EA 1-1/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	45.38	
<i>For >10 To 50, Deduct</i>	-1.92	
<i>For >50 To 100, Deduct</i>	-4.01	
<i>For >100, Deduct</i>	-8.02	
05 05 19 00-0191 EA 1-1/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	51.91	
<i>For >10 To 50, Deduct</i>	-2.14	
<i>For >50 To 100, Deduct</i>	-4.50	
<i>For >100, Deduct</i>	-9.01	

05 Metals**05 05 Common Work Results For Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0192	EA		1-3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	56.16	
			<i>For >10 To 50, Deduct</i>	-2.24	
			<i>For >50 To 100, Deduct</i>	-4.76	
			<i>For >100, Deduct</i>	-9.51	
05 05 19 00-0193	EA		1-1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	61.90	
			<i>For >10 To 50, Deduct</i>	-2.33	
			<i>For >50 To 100, Deduct</i>	-5.04	
			<i>For >100, Deduct</i>	-10.09	
05 05 19 00-0194	EA		1-3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	73.43	
			<i>For >10 To 50, Deduct</i>	-2.53	
			<i>For >50 To 100, Deduct</i>	-5.62	
			<i>For >100, Deduct</i>	-11.25	
05 05 19 00-0195	EA		2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	98.28	
			<i>For >10 To 50, Deduct</i>	-2.62	
			<i>For >50 To 100, Deduct</i>	-6.39	
			<i>For >100, Deduct</i>	-12.78	
05 05 19 00-0196			Grout Concrete Anchor Bolt Or Threaded Rod (05 05 19 00-0199)		
05 05 19 00-0197	EA		Grout Concrete Anchor Bolt or Threaded Rod.....	3.75	
			<i>For >10 To 50, Deduct</i>	-0.18	
			<i>For >50 To 100, Deduct</i>	-0.37	
			<i>For >100, Deduct</i>	-0.73	
05 05 19 00-0198			Other Concrete And Masonry Anchors (05 05 19 00-0001)		
05 05 19 00-0199			Tapcon Masonry Screws (05 05 19 00-0198)		
			Note: Includes drilling. Countersunk or hex head.		
05 05 19 00-0200	EA		3/16" x 1-1/4" Tapcon Masonry Screw.....	9.95	
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-0.98	
			<i>For >100, Deduct</i>	-1.96	
05 05 19 00-0201	EA		3/16" x 2-1/4" Tapcon Masonry Screw.....	10.01	
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-0.98	
			<i>For >100, Deduct</i>	-1.96	
05 05 19 00-0202	EA		3/16" x 3-1/4" Tapcon Masonry Screw.....	10.14	
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-0.98	
			<i>For >100, Deduct</i>	-1.97	
05 05 19 00-0203	EA		1/4" x 1-1/4" Tapcon Masonry Screw.....	10.02	
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-0.98	
			<i>For >100, Deduct</i>	-1.96	
05 05 19 00-0204	EA		1/4" x 2-1/4" Tapcon Masonry Screw.....	10.09	
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-0.98	
			<i>For >100, Deduct</i>	-1.96	
05 05 19 00-0205	EA		1/4" x 3-1/4" Tapcon Masonry Screw.....	10.25	
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-0.99	
			<i>For >100, Deduct</i>	-1.97	
05 05 19 00-0206			Large Diameter, Self-Threading Concrete Fasteners (05 05 19 00-0199)		
			Note: Includes drilling. Zinc plated.		
05 05 19 00-0207	EA		3/8" x 1-3/4", Large Diameter, Self-Threading Concrete Fastener.....	10.46	
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-0.99	
			<i>For >100, Deduct</i>	-1.98	
05 05 19 00-0208	EA		3/8" x 2-1/2", Large Diameter, Self-Threading Concrete Fastener.....	10.73	
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.00	
			<i>For >100, Deduct</i>	-1.99	
05 05 19 00-0209	EA		3/8" x 3", Large Diameter, Self-Threading Concrete Fastener.....	10.80	
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.00	
			<i>For >100, Deduct</i>	-2.00	
05 05 19 00-0210	EA		3/8" x 4", Large Diameter, Self-Threading Concrete Fastener.....	10.93	
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.00	
			<i>For >100, Deduct</i>	-2.00	
05 05 19 00-0211	EA		3/8" x 5", Large Diameter, Self-Threading Concrete Fastener.....	11.04	
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.01	
			<i>For >100, Deduct</i>	-2.01	
05 05 19 00-0212	EA		1/2" x 3", Large Diameter, Self-Threading Concrete Fastener.....	11.27	
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.01	
			<i>For >100, Deduct</i>	-2.02	
05 05 19 00-0213	EA		1/2" x 4", Large Diameter, Self-Threading Concrete Fastener.....	11.56	
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.02	
			<i>For >100, Deduct</i>	-2.04	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0214	EA		1/2" x 5", Large Diameter, Self-Threading Concrete Fastener.....	11.82	
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.02	
			<i>For >100, Deduct</i>	-2.05	
05 05 19 00-0215	EA		1/2" x 6", Large Diameter, Self-Threading Concrete Fastener.....	12.56	
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.04	
			<i>For >100, Deduct</i>	-2.09	
05 05 19 00-0216	EA		5/8" x 3", Large Diameter, Self-Threading Concrete Fastener.....	12.64	
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.05	
			<i>For >100, Deduct</i>	-2.09	
05 05 19 00-0217	EA		5/8" x 4", Large Diameter, Self-Threading Concrete Fastener.....	13.09	
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.06	
			<i>For >100, Deduct</i>	-2.11	
05 05 19 00-0218	EA		5/8" x 5", Large Diameter, Self-Threading Concrete Fastener.....	13.56	
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.07	
			<i>For >100, Deduct</i>	-2.14	
05 05 19 00-0219	EA		5/8" x 6", Large Diameter, Self-Threading Concrete Fastener.....	13.85	
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.08	
			<i>For >100, Deduct</i>	-2.15	
05 05 19 00-0220	EA		3/4" x 4-1/2", Large Diameter, Self-Threading Concrete Fastener.....	13.72	
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.07	
			<i>For >100, Deduct</i>	-2.14	
05 05 19 00-0221	EA		3/4" x 5-1/2", Large Diameter, Self-Threading Concrete Fastener.....	14.15	
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.08	
			<i>For >100, Deduct</i>	-2.17	
05 05 19 00-0222	EA		3/4" x 6-1/4", Large Diameter, Self-Threading Concrete Fastener.....	15.15	
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.11	
			<i>For >100, Deduct</i>	-2.22	
05 05 19 00-0223			Pin Bolt Drives <small>(05 05 19 00-0198)</small>		
			Note: Includes drilling. Zinc plated.		
05 05 19 00-0224	EA		1/4" x 1" Pin Bolt Drive.....	6.18	
			<i>For >10 To 50, Deduct</i>	-0.29	
			<i>For >50 To 100, Deduct</i>	-0.59	
			<i>For >100, Deduct</i>	-1.18	
05 05 19 00-0225	EA		1/4" x 1-1/4" Pin Bolt Drive.....	6.18	
			<i>For >10 To 50, Deduct</i>	-0.29	
			<i>For >50 To 100, Deduct</i>	-0.59	
			<i>For >100, Deduct</i>	-1.18	
05 05 19 00-0226	EA		1/4" x 1-1/2" Pin Bolt Drive.....	6.23	
			<i>For >10 To 50, Deduct</i>	-0.29	
			<i>For >50 To 100, Deduct</i>	-0.59	
			<i>For >100, Deduct</i>	-1.19	
05 05 19 00-0227	EA		1/4" x 2" Pin Bolt Drive.....	6.24	
			<i>For >10 To 50, Deduct</i>	-0.29	
			<i>For >50 To 100, Deduct</i>	-0.59	
			<i>For >100, Deduct</i>	-1.19	
05 05 19 00-0228			Powder Actuated, Shot-In Place Anchors <small>(05 05 19 00-0198)</small>		
05 05 19 00-0229	EA		0.15" Diameter x 1/2" Length, Stud Powder Actuated Anchor.....	1.54	
			<i>For >10 To 50, Deduct</i>	-0.07	
			<i>For >50 To 100, Deduct</i>	-0.14	
			<i>For >100, Deduct</i>	-0.28	
05 05 19 00-0230	EA		0.15" Diameter x 3/4" Length, Stud Powder Actuated Anchor.....	1.61	
			<i>For >10 To 50, Deduct</i>	-0.07	
			<i>For >50 To 100, Deduct</i>	-0.14	
			<i>For >100, Deduct</i>	-0.28	
05 05 19 00-0231	EA		0.15"/0.18" Diameter x 1" Length, Stud Powder Actuated Anchor.....	1.75	
			<i>For >10 To 50, Deduct</i>	-0.07	
			<i>For >50 To 100, Deduct</i>	-0.15	
			<i>For >100, Deduct</i>	-0.31	
05 05 19 00-0232	EA		0.15"/0.18" Diameter x 1-1/4" Length, Stud Powder Actuated Anchor.....	1.93	
			<i>For >10 To 50, Deduct</i>	-0.08	
			<i>For >50 To 100, Deduct</i>	-0.17	
			<i>For >100, Deduct</i>	-0.33	
05 05 19 00-0233	EA		0.15"/0.18" Diameter x 1-7/8" Length, Stud Powder Actuated Anchor.....	2.03	
			<i>For >10 To 50, Deduct</i>	-0.08	
			<i>For >50 To 100, Deduct</i>	-0.17	
			<i>For >100, Deduct</i>	-0.34	
05 05 19 00-0234			Powder Actuated, Shot-In Place Anchors With Exposed Thread <small>(05 05 19 00-0198)</small>		

05 Metals**05 05 Common Work Results For Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0235 EA 0.145" Diameter x 1" Long Shank, 3/4" Thread Length, 1/4" - 20 Treaded Stud Powder Actuated Anchor.....	1.79	
For >10 To 50, Deduct	-0.07	
For >50 To 100, Deduct	-0.15	
For >100, Deduct	-0.29	
05 05 19 00-0236 EA 0.205" Diameter x 1-1/6" Long Shank, 1" Thread Length, 3/8" - 16 Treaded Stud Powder Actuated Anchor.....	2.41	
For >10 To 50, Deduct	-0.08	
For >50 To 100, Deduct	-0.18	
For >100, Deduct	-0.37	
05 05 23 Metal Fastenings (05 05)		
05 05 23 00-0001 Hex Bolts (05 05 23)		
Note: For owner furnished materials or where requested by the owner. Excludes drilling through wood, steel, concrete, brick or block. See CSI section 02 41 19 13-0221 for drilling into concrete, 02 41 19 13-0231 for drilling into brick or block, 02 41 19 13-0241 for drilling into wood or plastic, 05 05 23 00-1567 for drilling through steel.		
05 05 23 00-0002 A307B Heavy Hex Bolts (05 05 23 00-0001)		
Note: Includes A307B heavy hex nut and two structural washers.		
05 05 23 00-0003 Plain Finish A307B Heavy Hex Bolts (05 05 23 00-0002)		
05 05 23 00-0004 EA 1/2" Diameter x 1-1/2" Long, Plain Finish A307B Heavy Hex Bolt	11.56	1.13
For >10 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-1.00	
For >100, Deduct	-1.99	
05 05 23 00-0005 EA 1/2" Diameter x 3" Long, Plain Finish A307B Heavy Hex Bolt	12.79	1.13
For >10 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-1.03	
For >100, Deduct	-2.05	
05 05 23 00-0006 EA 5/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	12.83	1.13
For >10 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-1.03	
For >100, Deduct	-2.05	
05 05 23 00-0007 EA 5/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	15.30	1.29
For >10 To 50, Deduct	-0.54	
For >50 To 100, Deduct	-1.19	
For >100, Deduct	-2.38	
05 05 23 00-0008 EA 3/4" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	14.90	1.13
For >10 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-1.08	
For >100, Deduct	-2.16	
05 05 23 00-0009 EA 3/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	17.88	1.29
For >10 To 50, Deduct	-0.54	
For >50 To 100, Deduct	-1.25	
For >100, Deduct	-2.51	
05 05 23 00-0010 EA 3/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	22.71	1.35
For >10 To 50, Deduct	-0.56	
For >50 To 100, Deduct	-1.41	
For >100, Deduct	-2.82	
05 05 23 00-0011 EA 3/4" Diameter x 8" Long, Plain Finish A307B Heavy Hex Bolt	24.40	1.42
For >10 To 50, Deduct	-0.59	
For >50 To 100, Deduct	-1.50	
For >100, Deduct	-2.99	
05 05 23 00-0012 EA 7/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	17.90	1.23
For >10 To 50, Deduct	-0.51	
For >50 To 100, Deduct	-1.21	
For >100, Deduct	-2.43	
05 05 23 00-0013 EA 7/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	21.62	1.35
For >10 To 50, Deduct	-0.56	
For >50 To 100, Deduct	-1.38	
For >100, Deduct	-2.76	
05 05 23 00-0014 EA 1" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	25.51	1.42
For >10 To 50, Deduct	-0.59	
For >50 To 100, Deduct	-1.52	
For >100, Deduct	-3.05	
05 05 23 00-0015 EA 1" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	36.62	1.49
For >10 To 50, Deduct	-0.62	
For >50 To 100, Deduct	-1.85	
For >100, Deduct	-3.70	
05 05 23 00-0016 EA 1-1/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	42.89	1.68
For >10 To 50, Deduct	-0.70	
For >50 To 100, Deduct	-2.12	
For >100, Deduct	-4.25	
05 05 23 00-0017 EA 1-1/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	48.30	1.80
For >10 To 50, Deduct	-0.75	
For >50 To 100, Deduct	-2.33	
For >100, Deduct	-4.67	
05 05 23 00-0018 Galvanized A307B Heavy Hex Bolts (05 05 23 00-0002)		
05 05 23 00-0019 EA 1/2" Diameter x 1-1/2" Long, Galvanized A307B Heavy Hex Bolt.....	12.17	1.13
For >10 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-1.01	
For >100, Deduct	-2.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0020 EA 1/2" Diameter x 3" Long, Galvanized A307B Heavy Hex Bolt.....	13.20	1.13
<i>For >10 To 50, Deduct</i>	-0.47	
<i>For >50 To 100, Deduct</i>	-1.04	
<i>For >100, Deduct</i>	-2.07	
05 05 23 00-0021 EA 5/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt.....	14.32	1.13
<i>For >10 To 50, Deduct</i>	-0.47	
<i>For >50 To 100, Deduct</i>	-1.06	
<i>For >100, Deduct</i>	-2.13	
05 05 23 00-0022 EA 5/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	16.80	1.29
<i>For >10 To 50, Deduct</i>	-0.54	
<i>For >50 To 100, Deduct</i>	-1.23	
<i>For >100, Deduct</i>	-2.45	
05 05 23 00-0023 EA 3/4" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt.....	16.60	1.13
<i>For >10 To 50, Deduct</i>	-0.47	
<i>For >50 To 100, Deduct</i>	-1.12	
<i>For >100, Deduct</i>	-2.24	
05 05 23 00-0024 EA 3/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	21.01	1.29
<i>For >10 To 50, Deduct</i>	-0.54	
<i>For >50 To 100, Deduct</i>	-1.33	
<i>For >100, Deduct</i>	-2.66	
05 05 23 00-0025 EA 3/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	28.12	1.35
<i>For >10 To 50, Deduct</i>	-0.56	
<i>For >50 To 100, Deduct</i>	-1.55	
<i>For >100, Deduct</i>	-3.09	
05 05 23 00-0026 EA 3/4" Diameter x 8" Long, Galvanized A307B Heavy Hex Bolt.....	33.16	1.42
<i>For >10 To 50, Deduct</i>	-0.59	
<i>For >50 To 100, Deduct</i>	-1.72	
<i>For >100, Deduct</i>	-3.43	
05 05 23 00-0027 EA 7/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt.....	22.34	1.23
<i>For >10 To 50, Deduct</i>	-0.51	
<i>For >50 To 100, Deduct</i>	-1.33	
<i>For >100, Deduct</i>	-2.65	
05 05 23 00-0028 EA 7/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	26.63	1.35
<i>For >10 To 50, Deduct</i>	-0.56	
<i>For >50 To 100, Deduct</i>	-1.51	
<i>For >100, Deduct</i>	-3.01	
05 05 23 00-0029 EA 1" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	31.97	1.42
<i>For >10 To 50, Deduct</i>	-0.59	
<i>For >50 To 100, Deduct</i>	-1.69	
<i>For >100, Deduct</i>	-3.37	
05 05 23 00-0030 EA 1" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	48.34	1.49
<i>For >10 To 50, Deduct</i>	-0.62	
<i>For >50 To 100, Deduct</i>	-2.14	
<i>For >100, Deduct</i>	-4.28	
05 05 23 00-0031 EA 1-1/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	48.13	1.68
<i>For >10 To 50, Deduct</i>	-0.70	
<i>For >50 To 100, Deduct</i>	-2.26	
<i>For >100, Deduct</i>	-4.51	
05 05 23 00-0032 EA 1-1/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	60.44	1.80
<i>For >10 To 50, Deduct</i>	-0.75	
<i>For >50 To 100, Deduct</i>	-2.64	
<i>For >100, Deduct</i>	-5.28	
05 05 23 00-0033 A325 High Strength Structural Bolts <small>(05 05 23 00-0001)</small>		
05 05 23 00-0034 Plain Finish A325 High Strength Structural Bolts <small>(05 05 23 00-0033)</small>		
<small>Note: Includes A325 heavy hex nut and structural washer.</small>		
05 05 23 00-0035 EA 1/2" Diameter x 1-1/2" Long, Plain Finish A325 High Strength Structural Bolt.....	11.27	1.13
<i>For >10 To 50, Deduct</i>	-0.47	
<i>For >50 To 100, Deduct</i>	-0.99	
<i>For >100, Deduct</i>	-1.98	
05 05 23 00-0036 EA 1/2" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt.....	11.54	1.13
<i>For >10 To 50, Deduct</i>	-0.47	
<i>For >50 To 100, Deduct</i>	-1.00	
<i>For >100, Deduct</i>	-1.99	
05 05 23 00-0037 EA 5/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	12.42	1.13
<i>For >10 To 50, Deduct</i>	-0.47	
<i>For >50 To 100, Deduct</i>	-1.02	
<i>For >100, Deduct</i>	-2.03	
05 05 23 00-0038 EA 5/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	15.32	1.29
<i>For >10 To 50, Deduct</i>	-0.54	
<i>For >50 To 100, Deduct</i>	-1.19	
<i>For >100, Deduct</i>	-2.38	
05 05 23 00-0039 EA 5/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	17.88	1.35
<i>For >10 To 50, Deduct</i>	-0.56	
<i>For >50 To 100, Deduct</i>	-1.29	
<i>For >100, Deduct</i>	-2.58	
05 05 23 00-0040 EA 3/4" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	13.63	1.13
<i>For >10 To 50, Deduct</i>	-0.47	
<i>For >50 To 100, Deduct</i>	-1.05	
<i>For >100, Deduct</i>	-2.09	
05 05 23 00-0041 EA 3/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	16.62	1.29
<i>For >10 To 50, Deduct</i>	-0.54	
<i>For >50 To 100, Deduct</i>	-1.22	
<i>For >100, Deduct</i>	-2.44	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0042	EA		3/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	19.02	1.35
			<i>For >10 To 50, Deduct</i>	-0.56	
			<i>For >50 To 100, Deduct</i>	-1.32	
			<i>For >100, Deduct</i>	-2.64	
05 05 23 00-0043	EA		3/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	23.63	1.42
			<i>For >10 To 50, Deduct</i>	-0.59	
			<i>For >50 To 100, Deduct</i>	-1.48	
			<i>For >100, Deduct</i>	-2.95	
05 05 23 00-0044	EA		7/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	15.90	1.23
			<i>For >10 To 50, Deduct</i>	-0.51	
			<i>For >50 To 100, Deduct</i>	-1.16	
			<i>For >100, Deduct</i>	-2.33	
05 05 23 00-0045	EA		7/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	19.50	1.35
			<i>For >10 To 50, Deduct</i>	-0.56	
			<i>For >50 To 100, Deduct</i>	-1.33	
			<i>For >100, Deduct</i>	-2.66	
05 05 23 00-0046	EA		7/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	22.37	1.42
			<i>For >10 To 50, Deduct</i>	-0.59	
			<i>For >50 To 100, Deduct</i>	-1.45	
			<i>For >100, Deduct</i>	-2.89	
05 05 23 00-0047	EA		7/8" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	24.30	1.49
			<i>For >10 To 50, Deduct</i>	-0.62	
			<i>For >50 To 100, Deduct</i>	-1.54	
			<i>For >100, Deduct</i>	-3.08	
05 05 23 00-0048	EA		1" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	17.66	1.28
			<i>For >10 To 50, Deduct</i>	-0.53	
			<i>For >50 To 100, Deduct</i>	-1.24	
			<i>For >100, Deduct</i>	-2.48	
05 05 23 00-0049	EA		1" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	21.34	1.42
			<i>For >10 To 50, Deduct</i>	-0.59	
			<i>For >50 To 100, Deduct</i>	-1.42	
			<i>For >100, Deduct</i>	-2.84	
05 05 23 00-0050	EA		1" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	24.88	1.49
			<i>For >10 To 50, Deduct</i>	-0.62	
			<i>For >50 To 100, Deduct</i>	-1.55	
			<i>For >100, Deduct</i>	-3.11	
05 05 23 00-0051	EA		1" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	32.16	1.59
			<i>For >10 To 50, Deduct</i>	-0.66	
			<i>For >50 To 100, Deduct</i>	-1.80	
			<i>For >100, Deduct</i>	-3.59	
05 05 23 00-0052	EA		1-1/4" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt.....	30.63	1.59
			<i>For >10 To 50, Deduct</i>	-0.66	
			<i>For >50 To 100, Deduct</i>	-1.76	
			<i>For >100, Deduct</i>	-3.51	
05 05 23 00-0053	EA		1-1/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	34.84	1.68
			<i>For >10 To 50, Deduct</i>	-0.70	
			<i>For >50 To 100, Deduct</i>	-1.92	
			<i>For >100, Deduct</i>	-3.85	
05 05 23 00-0054	EA		1-1/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	41.05	1.80
			<i>For >10 To 50, Deduct</i>	-0.75	
			<i>For >50 To 100, Deduct</i>	-2.15	
			<i>For >100, Deduct</i>	-4.31	
05 05 23 00-0055	EA		1-1/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	48.38	1.92
			<i>For >10 To 50, Deduct</i>	-0.80	
			<i>For >50 To 100, Deduct</i>	-2.41	
			<i>For >100, Deduct</i>	-4.82	
05 05 23 00-0056			Galvanized A325 High Strength Structural Bolts (05 05 23 00-0033)		
			Note: Includes A325 heavy hex nut and structural washer.		
05 05 23 00-0057	EA		1/2" Diameter x 1-1/2" Long, Galvanized A325 High Strength Structural Bolt.....	11.82	1.13
			<i>For >10 To 50, Deduct</i>	-0.47	
			<i>For >50 To 100, Deduct</i>	-1.00	
			<i>For >100, Deduct</i>	-2.00	
05 05 23 00-0058	EA		1/2" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt.....	12.01	1.13
			<i>For >10 To 50, Deduct</i>	-0.47	
			<i>For >50 To 100, Deduct</i>	-1.01	
			<i>For >100, Deduct</i>	-2.01	
05 05 23 00-0059	EA		5/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	13.57	1.13
			<i>For >10 To 50, Deduct</i>	-0.47	
			<i>For >50 To 100, Deduct</i>	-1.05	
			<i>For >100, Deduct</i>	-2.09	
05 05 23 00-0060	EA		5/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	16.14	1.29
			<i>For >10 To 50, Deduct</i>	-0.54	
			<i>For >50 To 100, Deduct</i>	-1.21	
			<i>For >100, Deduct</i>	-2.42	
05 05 23 00-0061	EA		5/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	17.10	1.35
			<i>For >10 To 50, Deduct</i>	-0.56	
			<i>For >50 To 100, Deduct</i>	-1.27	
			<i>For >100, Deduct</i>	-2.54	
05 05 23 00-0062	EA		3/4" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	14.16	1.13
			<i>For >10 To 50, Deduct</i>	-0.47	
			<i>For >50 To 100, Deduct</i>	-1.06	
			<i>For >100, Deduct</i>	-2.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0063 EA 3/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt..... <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	17.28 -0.54 -1.24 -2.48	1.29
05 05 23 00-0064 EA 3/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt..... <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	20.06 -0.56 -1.34 -2.69	1.35
05 05 23 00-0065 EA 3/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt..... <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	26.09 -0.59 -1.54 -3.08	1.42
05 05 23 00-0066 EA 7/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt..... <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	19.08 -0.51 -1.24 -2.49	1.23
05 05 23 00-0067 EA 7/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt..... <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	21.38 -0.56 -1.38 -2.75	1.35
05 05 23 00-0068 EA 7/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt..... <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	24.65 -0.59 -1.50 -3.01	1.42
05 05 23 00-0069 EA 7/8" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt..... <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	31.12 -0.62 -1.71 -3.42	1.49
05 05 23 00-0070 EA 1" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	20.13 -0.53 -1.30 -2.60	1.28
05 05 23 00-0071 EA 1" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	27.00 -0.59 -1.56 -3.12	1.42
05 05 23 00-0072 EA 1" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	29.62 -0.62 -1.67 -3.35	1.49
05 05 23 00-0073 EA 1" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	38.00 -0.66 -1.94 -3.88	1.59
05 05 23 00-0074 EA 1-1/4" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	37.76 -0.66 -1.94 -3.87	1.59
05 05 23 00-0075 EA 1-1/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	40.28 -0.70 -2.06 -4.12	1.68
05 05 23 00-0076 EA 1-1/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	47.29 -0.75 -2.31 -4.62	1.80
05 05 23 00-0077 EA 1-1/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	54.90 -0.80 -2.57 -5.15	1.92
05 05 23 00-0078 A490 High Strength Structural Bolts (05 05 23 00-0001) Note: Includes A490 heavy hex nut and two structural washers.		
05 05 23 00-0079 Plain Finish A490 High Strength Structural Bolts (05 05 23 00-0078)		
05 05 23 00-0080 EA 5/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt..... <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	12.85 -0.47 -1.03 -2.06	1.13
05 05 23 00-0081 EA 5/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt..... <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	18.29 -0.54 -1.26 -2.53	1.29
05 05 23 00-0082 EA 5/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt..... <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	19.58 -0.56 -1.33 -2.67	1.35
05 05 23 00-0083 EA 3/4" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt..... <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	14.53 -0.47 -1.07 -2.14	1.13
05 05 23 00-0084 EA 3/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt..... <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	17.64 -0.54 -1.25 -2.49	1.29

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0085	EA		3/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	20.67	1.35
			<i>For >10 To 50, Deduct</i>	-0.56	
			<i>For >50 To 100, Deduct</i>	-1.36	
			<i>For >100, Deduct</i>	-2.72	
05 05 23 00-0086	EA		3/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt.....	26.83	1.42
			<i>For >10 To 50, Deduct</i>	-0.59	
			<i>For >50 To 100, Deduct</i>	-1.56	
			<i>For >100, Deduct</i>	-3.11	
05 05 23 00-0087	EA		7/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	16.94	1.23
			<i>For >10 To 50, Deduct</i>	-0.51	
			<i>For >50 To 100, Deduct</i>	-1.19	
			<i>For >100, Deduct</i>	-2.38	
05 05 23 00-0088	EA		7/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	19.83	1.35
			<i>For >10 To 50, Deduct</i>	-0.56	
			<i>For >50 To 100, Deduct</i>	-1.34	
			<i>For >100, Deduct</i>	-2.67	
05 05 23 00-0089	EA		7/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	29.05	1.42
			<i>For >10 To 50, Deduct</i>	-0.59	
			<i>For >50 To 100, Deduct</i>	-1.61	
			<i>For >100, Deduct</i>	-3.23	
05 05 23 00-0090	EA		1" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	20.07	1.28
			<i>For >10 To 50, Deduct</i>	-0.53	
			<i>For >50 To 100, Deduct</i>	-1.30	
			<i>For >100, Deduct</i>	-2.60	
05 05 23 00-0091	EA		1" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	24.05	1.42
			<i>For >10 To 50, Deduct</i>	-0.59	
			<i>For >50 To 100, Deduct</i>	-1.49	
			<i>For >100, Deduct</i>	-2.98	
05 05 23 00-0092	EA		1" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	27.80	1.49
			<i>For >10 To 50, Deduct</i>	-0.62	
			<i>For >50 To 100, Deduct</i>	-1.63	
			<i>For >100, Deduct</i>	-3.25	
05 05 23 00-0093	EA		1-1/4" Diameter x 3" Long, Plain Finish A490 High Strength Structural Bolt.....	34.94	1.59
			<i>For >10 To 50, Deduct</i>	-0.66	
			<i>For >50 To 100, Deduct</i>	-1.87	
			<i>For >100, Deduct</i>	-3.73	
05 05 23 00-0094	EA		1-1/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	45.13	1.68
			<i>For >10 To 50, Deduct</i>	-0.70	
			<i>For >50 To 100, Deduct</i>	-2.18	
			<i>For >100, Deduct</i>	-4.36	
05 05 23 00-0095	EA		1-1/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	47.46	1.80
			<i>For >10 To 50, Deduct</i>	-0.75	
			<i>For >50 To 100, Deduct</i>	-2.31	
			<i>For >100, Deduct</i>	-4.63	
05 05 23 00-0096	EA		1-1/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt.....	49.49	1.92
			<i>For >10 To 50, Deduct</i>	-0.80	
			<i>For >50 To 100, Deduct</i>	-2.44	
			<i>For >100, Deduct</i>	-4.88	
05 05 23 00-0097			Hex Head Bolts (05 05 23 00-0001)		
05 05 23 00-0098			Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0097)		
05 05 23 00-0099			1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0098)		
05 05 23 00-0100	EA		1/4" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.17	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.52	
			<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0101	EA		1/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.20	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.52	
			<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0102	EA		1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.27	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.52	
			<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0103	EA		1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.30	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.52	
			<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0104	EA		1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.52	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.56	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0105	EA		1/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.54	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.56	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0106	EA		1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.65	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.56	
			<i>For >500, Deduct</i>	-1.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0107 EA 1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.83	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0108 EA 1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.87	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0109 EA 1/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.03	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0110 EA 1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.32	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0111 EA 1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.44	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0112 EA 1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.61	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0113 EA 1/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.16	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0114 EA 1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.42	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0115 EA 1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.49	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0116 5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0117 EA 5/16" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.24	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0118 EA 5/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.26	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0119 EA 5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.32	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0120 EA 5/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.37	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0121 EA 5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.59	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.56	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0122 EA 5/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.70	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.56	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0123 EA 5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.74	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.56	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0124 EA 5/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.02	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0125 EA 5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.18	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0126 EA 5/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.24	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0127 EA 5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.46	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0128	EA 5/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.52	
	<i>For >100 To 250, Deduct</i>	-1.32	
	<i>For >250 To 500, Deduct</i>	-1.65	
	<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0129	EA 5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.11	
	<i>For >100 To 250, Deduct</i>	-1.32	
	<i>For >250 To 500, Deduct</i>	-1.65	
	<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0130	EA 5/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.60	
	<i>For >100 To 250, Deduct</i>	-1.36	
	<i>For >250 To 500, Deduct</i>	-1.70	
	<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0131	EA 5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.86	
	<i>For >100 To 250, Deduct</i>	-1.36	
	<i>For >250 To 500, Deduct</i>	-1.70	
	<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0132	EA 5/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.09	
	<i>For >100 To 250, Deduct</i>	-1.36	
	<i>For >250 To 500, Deduct</i>	-1.70	
	<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0133	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0134	EA 3/8" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.31	
	<i>For >100 To 250, Deduct</i>	-1.22	
	<i>For >250 To 500, Deduct</i>	-1.52	
	<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0135	EA 3/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.33	
	<i>For >100 To 250, Deduct</i>	-1.22	
	<i>For >250 To 500, Deduct</i>	-1.52	
	<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0136	EA 3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.42	
	<i>For >100 To 250, Deduct</i>	-1.22	
	<i>For >250 To 500, Deduct</i>	-1.52	
	<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0137	EA 3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.49	
	<i>For >100 To 250, Deduct</i>	-1.22	
	<i>For >250 To 500, Deduct</i>	-1.52	
	<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0138	EA 3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.73	
	<i>For >100 To 250, Deduct</i>	-1.25	
	<i>For >250 To 500, Deduct</i>	-1.56	
	<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0139	EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.87	
	<i>For >100 To 250, Deduct</i>	-1.25	
	<i>For >250 To 500, Deduct</i>	-1.56	
	<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0140	EA 3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.00	
	<i>For >100 To 250, Deduct</i>	-1.25	
	<i>For >250 To 500, Deduct</i>	-1.56	
	<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0141	EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.31	
	<i>For >100 To 250, Deduct</i>	-1.28	
	<i>For >250 To 500, Deduct</i>	-1.61	
	<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0142	EA 3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.49	
	<i>For >100 To 250, Deduct</i>	-1.28	
	<i>For >250 To 500, Deduct</i>	-1.61	
	<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0143	EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.59	
	<i>For >100 To 250, Deduct</i>	-1.28	
	<i>For >250 To 500, Deduct</i>	-1.61	
	<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0144	EA 3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.94	
	<i>For >100 To 250, Deduct</i>	-1.32	
	<i>For >250 To 500, Deduct</i>	-1.65	
	<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0145	EA 3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.04	
	<i>For >100 To 250, Deduct</i>	-1.32	
	<i>For >250 To 500, Deduct</i>	-1.65	
	<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0146	EA 3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.11	
	<i>For >100 To 250, Deduct</i>	-1.32	
	<i>For >250 To 500, Deduct</i>	-1.65	
	<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0147	EA 3/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.35	
	<i>For >100 To 250, Deduct</i>	-1.36	
	<i>For >250 To 500, Deduct</i>	-1.70	
	<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0148	EA 3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.46	
	<i>For >100 To 250, Deduct</i>	-1.36	
	<i>For >250 To 500, Deduct</i>	-1.70	
	<i>For >500, Deduct</i>	-2.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0149 EA 3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.62	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0150 7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05)</small>		
<small>23 00-0098</small>		
05 05 23 00-0151 EA 7/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.51	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0152 EA 7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.62	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0153 EA 7/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.64	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0154 EA 7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.96	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.78	
<i>For >500, Deduct</i>	-2.14	
05 05 23 00-0155 EA 7/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.13	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.78	
<i>For >500, Deduct</i>	-2.14	
05 05 23 00-0156 EA 7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.27	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.78	
<i>For >500, Deduct</i>	-2.14	
05 05 23 00-0157 EA 7/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.81	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.19	
05 05 23 00-0158 EA 7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.91	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.19	
05 05 23 00-0159 EA 7/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.12	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.19	
05 05 23 00-0160 EA 7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.61	
<i>For >100 To 250, Deduct</i>	-1.49	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0161 EA 7/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.72	
<i>For >100 To 250, Deduct</i>	-1.49	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0162 EA 7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.97	
<i>For >100 To 250, Deduct</i>	-1.49	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0163 EA 7/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.25	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0164 EA 7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.48	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0165 EA 7/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.93	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0166 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05)</small>		
<small>23 00-0098</small>		
05 05 23 00-0167 EA 1/2" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.42	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0168 EA 1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.55	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0169 EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.69	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0170	EA		1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.01	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.14	
05 05 23 00-0171	EA		1/2" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.15	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.14	
05 05 23 00-0172	EA		1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.29	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.14	
05 05 23 00-0173	EA		1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.65	
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.19	
05 05 23 00-0174	EA		1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.81	
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.19	
05 05 23 00-0175	EA		1/2" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.09	
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.19	
05 05 23 00-0176	EA		1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.30	
			<i>For >100 To 250, Deduct</i>	-1.49	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0177	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.33	
			<i>For >100 To 250, Deduct</i>	-1.49	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0178	EA		1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.57	
			<i>For >100 To 250, Deduct</i>	-1.49	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0179	EA		1/2" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.95	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0180	EA		1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.10	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0181	EA		1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.51	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0182	EA		1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.88	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0183	EA		1/2" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.03	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0184	EA		1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.61	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0185	EA		1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.77	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0186			9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0187	EA		9/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.56	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0188	EA		9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.74	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0189	EA		9/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.79	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0190	EA		9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.56	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0191 EA 9/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.80	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.78	
<i>For >500, Deduct</i>	-2.14	
05 05 23 00-0192 EA 9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.88	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.78	
<i>For >500, Deduct</i>	-2.14	
05 05 23 00-0193 EA 9/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.09	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.19	
05 05 23 00-0194 EA 9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.15	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.19	
05 05 23 00-0195 EA 9/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.35	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.19	
05 05 23 00-0196 EA 9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.57	
<i>For >100 To 250, Deduct</i>	-1.49	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0197 EA 9/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.63	
<i>For >100 To 250, Deduct</i>	-1.49	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0198 EA 9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.81	
<i>For >100 To 250, Deduct</i>	-1.49	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0199 EA 9/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.17	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0200 EA 9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.39	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0201 EA 9/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.60	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0202 EA 9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.96	
<i>For >100 To 250, Deduct</i>	-1.56	
<i>For >250 To 500, Deduct</i>	-1.95	
<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0203 EA 9/16" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.21	
<i>For >100 To 250, Deduct</i>	-1.56	
<i>For >250 To 500, Deduct</i>	-1.95	
<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0204 EA 9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.38	
<i>For >100 To 250, Deduct</i>	-1.56	
<i>For >250 To 500, Deduct</i>	-1.95	
<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0205 EA 9/16" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.64	
<i>For >100 To 250, Deduct</i>	-1.56	
<i>For >250 To 500, Deduct</i>	-1.95	
<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0206 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0207 EA 5/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.82	
<i>For >100 To 250, Deduct</i>	-1.56	
<i>For >250 To 500, Deduct</i>	-1.95	
<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0208 EA 5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.94	
<i>For >100 To 250, Deduct</i>	-1.56	
<i>For >250 To 500, Deduct</i>	-1.95	
<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0209 EA 5/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.10	
<i>For >100 To 250, Deduct</i>	-1.56	
<i>For >250 To 500, Deduct</i>	-1.95	
<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0210 EA 5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.50	
<i>For >100 To 250, Deduct</i>	-1.60	
<i>For >250 To 500, Deduct</i>	-2.00	
<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0211 EA 5/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.74	
<i>For >100 To 250, Deduct</i>	-1.60	
<i>For >250 To 500, Deduct</i>	-2.00	
<i>For >500, Deduct</i>	-2.40	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0212	EA		5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.03	
			<i>For >100 To 250, Deduct</i>	-1.60	
			<i>For >250 To 500, Deduct</i>	-2.00	
			<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0213	EA		5/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.58	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.04	
			<i>For >500, Deduct</i>	-2.45	
05 05 23 00-0214	EA		5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.03	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.04	
			<i>For >500, Deduct</i>	-2.45	
05 05 23 00-0215	EA		5/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.38	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.04	
			<i>For >500, Deduct</i>	-2.45	
05 05 23 00-0216	EA		5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.70	
			<i>For >100 To 250, Deduct</i>	-1.67	
			<i>For >250 To 500, Deduct</i>	-2.08	
			<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0217	EA		5/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.74	
			<i>For >100 To 250, Deduct</i>	-1.67	
			<i>For >250 To 500, Deduct</i>	-2.08	
			<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0218	EA		5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.35	
			<i>For >100 To 250, Deduct</i>	-1.67	
			<i>For >250 To 500, Deduct</i>	-2.08	
			<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0219	EA		5/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.86	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.13	
			<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0220	EA		5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.33	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.13	
			<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0221	EA		5/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.89	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.13	
			<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0222	EA		5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.67	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.17	
			<i>For >500, Deduct</i>	-2.60	
05 05 23 00-0223	EA		5/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.21	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.17	
			<i>For >500, Deduct</i>	-2.60	
05 05 23 00-0224	EA		5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.77	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.17	
			<i>For >500, Deduct</i>	-2.60	
05 05 23 00-0225	EA		5/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.20	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.17	
			<i>For >500, Deduct</i>	-2.60	
05 05 23 00-0226			3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0227	EA		3/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.23	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0228	EA		3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.48	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0229	EA		3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.70	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0230	EA		3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.17	
			<i>For >100 To 250, Deduct</i>	-1.60	
			<i>For >250 To 500, Deduct</i>	-2.00	
			<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0231	EA		3/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.52	
			<i>For >100 To 250, Deduct</i>	-1.60	
			<i>For >250 To 500, Deduct</i>	-2.00	
			<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0232	EA		3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.83	
			<i>For >100 To 250, Deduct</i>	-1.60	
			<i>For >250 To 500, Deduct</i>	-2.00	
			<i>For >500, Deduct</i>	-2.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0233 EA 3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.34	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.04	
<i>For >500, Deduct</i>	-2.45	
05 05 23 00-0234 EA 3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.77	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.04	
<i>For >500, Deduct</i>	-2.45	
05 05 23 00-0235 EA 3/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.11	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.04	
<i>For >500, Deduct</i>	-2.45	
05 05 23 00-0236 EA 3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.98	
<i>For >100 To 250, Deduct</i>	-1.67	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0237 EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.26	
<i>For >100 To 250, Deduct</i>	-1.67	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0238 EA 3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.80	
<i>For >100 To 250, Deduct</i>	-1.67	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0239 EA 3/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.00	
<i>For >100 To 250, Deduct</i>	-1.70	
<i>For >250 To 500, Deduct</i>	-2.13	
<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0240 EA 3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.25	
<i>For >100 To 250, Deduct</i>	-1.70	
<i>For >250 To 500, Deduct</i>	-2.13	
<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0241 EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.83	
<i>For >100 To 250, Deduct</i>	-1.70	
<i>For >250 To 500, Deduct</i>	-2.13	
<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0242 EA 3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.77	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.17	
<i>For >500, Deduct</i>	-2.60	
05 05 23 00-0243 EA 3/4" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.35	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.17	
<i>For >500, Deduct</i>	-2.60	
05 05 23 00-0244 EA 3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.12	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.17	
<i>For >500, Deduct</i>	-2.60	
05 05 23 00-0245 EA 3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.87	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.17	
<i>For >500, Deduct</i>	-2.60	
05 05 23 00-0246 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0247 EA 7/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.40	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.17	
<i>For >500, Deduct</i>	-2.60	
05 05 23 00-0248 EA 7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.61	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.17	
<i>For >500, Deduct</i>	-2.60	
05 05 23 00-0249 EA 7/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.71	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.17	
<i>For >500, Deduct</i>	-2.60	
05 05 23 00-0250 EA 7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.17	
<i>For >100 To 250, Deduct</i>	-1.77	
<i>For >250 To 500, Deduct</i>	-2.22	
<i>For >500, Deduct</i>	-2.66	
05 05 23 00-0251 EA 7/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.74	
<i>For >100 To 250, Deduct</i>	-1.77	
<i>For >250 To 500, Deduct</i>	-2.22	
<i>For >500, Deduct</i>	-2.66	
05 05 23 00-0252 EA 7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.40	
<i>For >100 To 250, Deduct</i>	-1.77	
<i>For >250 To 500, Deduct</i>	-2.22	
<i>For >500, Deduct</i>	-2.66	
05 05 23 00-0253 EA 7/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.12	
<i>For >100 To 250, Deduct</i>	-1.81	
<i>For >250 To 500, Deduct</i>	-2.26	
<i>For >500, Deduct</i>	-2.71	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0254	EA		7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.09	
			<i>For >100 To 250, Deduct</i>	-1.81	
			<i>For >250 To 500, Deduct</i>	-2.26	
			<i>For >500, Deduct</i>	-2.71	
05 05 23 00-0255	EA		7/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.62	
			<i>For >100 To 250, Deduct</i>	-1.81	
			<i>For >250 To 500, Deduct</i>	-2.26	
			<i>For >500, Deduct</i>	-2.71	
05 05 23 00-0256	EA		7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.22	
			<i>For >100 To 250, Deduct</i>	-1.84	
			<i>For >250 To 500, Deduct</i>	-2.30	
			<i>For >500, Deduct</i>	-2.76	
05 05 23 00-0257	EA		7/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.54	
			<i>For >100 To 250, Deduct</i>	-1.84	
			<i>For >250 To 500, Deduct</i>	-2.30	
			<i>For >500, Deduct</i>	-2.76	
05 05 23 00-0258	EA		7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.30	
			<i>For >100 To 250, Deduct</i>	-1.84	
			<i>For >250 To 500, Deduct</i>	-2.30	
			<i>For >500, Deduct</i>	-2.76	
05 05 23 00-0259	EA		7/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.23	
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.35	
			<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0260	EA		7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.00	
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.35	
			<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0261	EA		7/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.76	
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.35	
			<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0262	EA		7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.64	
			<i>For >100 To 250, Deduct</i>	-1.91	
			<i>For >250 To 500, Deduct</i>	-2.39	
			<i>For >500, Deduct</i>	-2.87	
05 05 23 00-0263	EA		7/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.45	
			<i>For >100 To 250, Deduct</i>	-1.91	
			<i>For >250 To 500, Deduct</i>	-2.39	
			<i>For >500, Deduct</i>	-2.87	
05 05 23 00-0264	EA		7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.19	
			<i>For >100 To 250, Deduct</i>	-1.91	
			<i>For >250 To 500, Deduct</i>	-2.39	
			<i>For >500, Deduct</i>	-2.87	
05 05 23 00-0265	EA		7/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.98	
			<i>For >100 To 250, Deduct</i>	-1.91	
			<i>For >250 To 500, Deduct</i>	-2.39	
			<i>For >500, Deduct</i>	-2.87	
05 05 23 00-0266	EA		1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0096).....	12.33	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.17	
			<i>For >500, Deduct</i>	-2.60	
05 05 23 00-0267	EA		1" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.73	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.17	
			<i>For >500, Deduct</i>	-2.60	
05 05 23 00-0268	EA		1" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.78	
			<i>For >100 To 250, Deduct</i>	-1.77	
			<i>For >250 To 500, Deduct</i>	-2.22	
			<i>For >500, Deduct</i>	-2.66	
05 05 23 00-0269	EA		1" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.88	
			<i>For >100 To 250, Deduct</i>	-1.77	
			<i>For >250 To 500, Deduct</i>	-2.22	
			<i>For >500, Deduct</i>	-2.66	
05 05 23 00-0270	EA		1" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.88	
			<i>For >100 To 250, Deduct</i>	-1.77	
			<i>For >250 To 500, Deduct</i>	-2.22	
			<i>For >500, Deduct</i>	-2.66	
05 05 23 00-0271	EA		1" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.08	
			<i>For >100 To 250, Deduct</i>	-1.81	
			<i>For >250 To 500, Deduct</i>	-2.26	
			<i>For >500, Deduct</i>	-2.71	
05 05 23 00-0272	EA		1" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.05	
			<i>For >100 To 250, Deduct</i>	-1.81	
			<i>For >250 To 500, Deduct</i>	-2.26	
			<i>For >500, Deduct</i>	-2.71	
05 05 23 00-0273	EA		1" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.05	
			<i>For >100 To 250, Deduct</i>	-1.81	
			<i>For >250 To 500, Deduct</i>	-2.26	
			<i>For >500, Deduct</i>	-2.71	
05 05 23 00-0274	EA		1" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....		
			<i>For >100 To 250, Deduct</i>	-1.81	
			<i>For >250 To 500, Deduct</i>	-2.26	
			<i>For >500, Deduct</i>	-2.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0275 EA 1" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.72	
<i>For >100 To 250, Deduct</i>	-1.84	
<i>For >250 To 500, Deduct</i>	-2.30	
<i>For >500, Deduct</i>	-2.76	
05 05 23 00-0276 EA 1" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.20	
<i>For >100 To 250, Deduct</i>	-1.84	
<i>For >250 To 500, Deduct</i>	-2.30	
<i>For >500, Deduct</i>	-2.76	
05 05 23 00-0277 EA 1" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.04	
<i>For >100 To 250, Deduct</i>	-1.84	
<i>For >250 To 500, Deduct</i>	-2.30	
<i>For >500, Deduct</i>	-2.76	
05 05 23 00-0278 EA 1" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.05	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0279 EA 1" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.88	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0280 EA 1" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.74	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0281 EA 1" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.60	
<i>For >100 To 250, Deduct</i>	-1.91	
<i>For >250 To 500, Deduct</i>	-2.39	
<i>For >500, Deduct</i>	-2.87	
05 05 23 00-0282 EA 1" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.58	
<i>For >100 To 250, Deduct</i>	-1.91	
<i>For >250 To 500, Deduct</i>	-2.39	
<i>For >500, Deduct</i>	-2.87	
05 05 23 00-0283 EA 1" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	27.44	
<i>For >100 To 250, Deduct</i>	-1.91	
<i>For >250 To 500, Deduct</i>	-2.39	
<i>For >500, Deduct</i>	-2.87	
05 05 23 00-0284 EA 1" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	28.31	
<i>For >100 To 250, Deduct</i>	-1.91	
<i>For >250 To 500, Deduct</i>	-2.39	
<i>For >500, Deduct</i>	-2.87	
05 05 23 00-0285 Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0097)</small>		
05 05 23 00-0286 1/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0287 EA 1/4" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.22	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0288 EA 1/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.27	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0289 EA 1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.30	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0290 EA 1/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.38	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0291 EA 1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.62	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.56	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0292 EA 1/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.75	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.56	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0293 EA 1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.90	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.56	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0294 EA 1/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.18	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0295 EA 1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.35	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0296 EA 1/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.48	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0297	EA		1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.77	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.65	
			<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0298	EA		1/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.88	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.65	
			<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0299	EA		1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.00	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.65	
			<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0300	EA		1/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.33	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0301	EA		1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.49	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0302	EA		1/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.65	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0303			5/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0304	EA		5/16" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.31	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.52	
			<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0305	EA		5/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.34	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.52	
			<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0306	EA		5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.39	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.52	
			<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0307	EA		5/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.49	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.52	
			<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0308	EA		5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.74	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.56	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0309	EA		5/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.86	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.56	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0310	EA		5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.09	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.56	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0311	EA		5/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.37	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.61	
			<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0312	EA		5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.54	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.61	
			<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0313	EA		5/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.70	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.61	
			<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0314	EA		5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.19	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.65	
			<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0315	EA		5/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.25	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.65	
			<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0316	EA		5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.46	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.65	
			<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0317	EA		5/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.94	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0318 EA 5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.23	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0319 EA 5/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.51	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0320 3/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0321 EA 3/8" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.36	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0322 EA 3/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.38	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0323 EA 3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.48	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0324 EA 3/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.59	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0325 EA 3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.87	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.56	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0326 EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.00	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.56	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0327 EA 3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.19	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.56	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0328 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.57	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0329 EA 3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.02	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0330 EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.22	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0331 EA 3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.67	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0332 EA 3/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.86	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0333 EA 3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.20	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0334 EA 3/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.64	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0335 EA 3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.09	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0336 EA 3/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.46	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0337 7/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0338 EA 7/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.43	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0339	EA		7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.52	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0340	EA		7/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.76	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0341	EA		7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.11	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.14	
05 05 23 00-0342	EA		7/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.28	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.14	
05 05 23 00-0343	EA		7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.44	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.14	
05 05 23 00-0344	EA		7/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.82	
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.19	
05 05 23 00-0345	EA		7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.72	
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.19	
05 05 23 00-0346	EA		7/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.11	
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.19	
05 05 23 00-0347	EA		7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.41	
			<i>For >100 To 250, Deduct</i>	-1.49	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0348	EA		7/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.59	
			<i>For >100 To 250, Deduct</i>	-1.49	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0349	EA		7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.78	
			<i>For >100 To 250, Deduct</i>	-1.49	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0350	EA		7/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.21	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0351	EA		7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.47	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0352	EA		7/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.74	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0353			1/2" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)		
05 05 23 00-0354	EA		1/2" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.55	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0355	EA		1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.68	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0356	EA		1/2" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.81	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0357	EA		1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.20	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.14	
05 05 23 00-0358	EA		1/2" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.40	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.14	
05 05 23 00-0359	EA		1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.62	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0360 EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.99	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.19	
05 05 23 00-0361 EA 1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.69	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.19	
05 05 23 00-0362 EA 1/2" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.74	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.19	
05 05 23 00-0363 EA 1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.39	
<i>For >100 To 250, Deduct</i>	-1.49	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0364 EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.66	
<i>For >100 To 250, Deduct</i>	-1.49	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0365 EA 1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.36	
<i>For >100 To 250, Deduct</i>	-1.49	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0366 EA 1/2" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.17	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0367 EA 1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.56	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0368 EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.71	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0369 EA 1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.61	
<i>For >100 To 250, Deduct</i>	-1.56	
<i>For >250 To 500, Deduct</i>	-1.95	
<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0370 EA 1/2" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.30	
<i>For >100 To 250, Deduct</i>	-1.56	
<i>For >250 To 500, Deduct</i>	-1.95	
<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0371 EA 1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.27	
<i>For >100 To 250, Deduct</i>	-1.56	
<i>For >250 To 500, Deduct</i>	-1.95	
<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0372 EA 1/2" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.65	
<i>For >100 To 250, Deduct</i>	-1.56	
<i>For >250 To 500, Deduct</i>	-1.95	
<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0373 9/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0374 EA 9/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.94	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0375 EA 9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.16	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0376 EA 9/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.37	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0377 EA 9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.76	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.78	
<i>For >500, Deduct</i>	-2.14	
05 05 23 00-0378 EA 9/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.05	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.78	
<i>For >500, Deduct</i>	-2.14	
05 05 23 00-0379 EA 9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.37	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.78	
<i>For >500, Deduct</i>	-2.14	
05 05 23 00-0380 EA 9/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.91	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.19	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0381	EA		9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.13	
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.19	
05 05 23 00-0382	EA		9/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.45	
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.19	
05 05 23 00-0383	EA		9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.97	
			<i>For >100 To 250, Deduct</i>	-1.49	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0384	EA		9/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.31	
			<i>For >100 To 250, Deduct</i>	-1.49	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0385	EA		9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.45	
			<i>For >100 To 250, Deduct</i>	-1.49	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0386	EA		9/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.01	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0387	EA		9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.48	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0388	EA		9/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.26	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0389	EA		9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.17	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0390	EA		9/16" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.45	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0391	EA		9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.74	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0392	EA		9/16" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.44	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0393			5/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)	9.04	
05 05 23 00-0394	EA		5/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.04	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0395	EA		5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.11	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0396	EA		5/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.18	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0397	EA		5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.58	
			<i>For >100 To 250, Deduct</i>	-1.60	
			<i>For >250 To 500, Deduct</i>	-2.00	
			<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0398	EA		5/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.95	
			<i>For >100 To 250, Deduct</i>	-1.60	
			<i>For >250 To 500, Deduct</i>	-2.00	
			<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0399	EA		5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.29	
			<i>For >100 To 250, Deduct</i>	-1.60	
			<i>For >250 To 500, Deduct</i>	-2.00	
			<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0400	EA		5/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.81	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.04	
			<i>For >500, Deduct</i>	-2.45	
05 05 23 00-0401	EA		5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.47	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.04	
			<i>For >500, Deduct</i>	-2.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0402 EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt 11.82 <i>For >100 To 250, Deduct</i> -1.63 <i>For >250 To 500, Deduct</i> -2.04 <i>For >500, Deduct</i> -2.45		
05 05 23 00-0403 EA 5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt 12.18 <i>For >100 To 250, Deduct</i> -1.67 <i>For >250 To 500, Deduct</i> -2.08 <i>For >500, Deduct</i> -2.50		
05 05 23 00-0404 EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt 12.74 <i>For >100 To 250, Deduct</i> -1.67 <i>For >250 To 500, Deduct</i> -2.08 <i>For >500, Deduct</i> -2.50		
05 05 23 00-0405 EA 5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt 13.64 <i>For >100 To 250, Deduct</i> -1.67 <i>For >250 To 500, Deduct</i> -2.08 <i>For >500, Deduct</i> -2.50		
05 05 23 00-0406 EA 5/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt 14.63 <i>For >100 To 250, Deduct</i> -1.70 <i>For >250 To 500, Deduct</i> -2.13 <i>For >500, Deduct</i> -2.55		
05 05 23 00-0407 EA 5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt 15.36 <i>For >100 To 250, Deduct</i> -1.70 <i>For >250 To 500, Deduct</i> -2.13 <i>For >500, Deduct</i> -2.55		
05 05 23 00-0408 EA 5/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt 15.48 <i>For >100 To 250, Deduct</i> -1.70 <i>For >250 To 500, Deduct</i> -2.13 <i>For >500, Deduct</i> -2.55		
05 05 23 00-0409 EA 5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt 17.00 <i>For >100 To 250, Deduct</i> -1.74 <i>For >250 To 500, Deduct</i> -2.17 <i>For >500, Deduct</i> -2.60		
05 05 23 00-0410 EA 5/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt 17.99 <i>For >100 To 250, Deduct</i> -1.74 <i>For >250 To 500, Deduct</i> -2.17 <i>For >500, Deduct</i> -2.60		
05 05 23 00-0411 EA 5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt 19.46 <i>For >100 To 250, Deduct</i> -1.74 <i>For >250 To 500, Deduct</i> -2.17 <i>For >500, Deduct</i> -2.60		
05 05 23 00-0412 EA 5/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt 19.97 <i>For >100 To 250, Deduct</i> -1.74 <i>For >250 To 500, Deduct</i> -2.17 <i>For >500, Deduct</i> -2.60		
05 05 23 00-0413 3/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)		
05 05 23 00-0414 EA 3/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt 9.87 <i>For >100 To 250, Deduct</i> -1.56 <i>For >250 To 500, Deduct</i> -1.95 <i>For >500, Deduct</i> -2.34		
05 05 23 00-0415 EA 3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt 10.02 <i>For >100 To 250, Deduct</i> -1.56 <i>For >250 To 500, Deduct</i> -1.95 <i>For >500, Deduct</i> -2.34		
05 05 23 00-0416 EA 3/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt 10.10 <i>For >100 To 250, Deduct</i> -1.56 <i>For >250 To 500, Deduct</i> -1.95 <i>For >500, Deduct</i> -2.34		
05 05 23 00-0417 EA 3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt 10.60 <i>For >100 To 250, Deduct</i> -1.60 <i>For >250 To 500, Deduct</i> -2.00 <i>For >500, Deduct</i> -2.40		
05 05 23 00-0418 EA 3/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt 10.97 <i>For >100 To 250, Deduct</i> -1.60 <i>For >250 To 500, Deduct</i> -2.00 <i>For >500, Deduct</i> -2.40		
05 05 23 00-0419 EA 3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt 11.54 <i>For >100 To 250, Deduct</i> -1.60 <i>For >250 To 500, Deduct</i> -2.00 <i>For >500, Deduct</i> -2.40		
05 05 23 00-0420 EA 3/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt 12.10 <i>For >100 To 250, Deduct</i> -1.63 <i>For >250 To 500, Deduct</i> -2.04 <i>For >500, Deduct</i> -2.45		
05 05 23 00-0421 EA 3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt 12.46 <i>For >100 To 250, Deduct</i> -1.63 <i>For >250 To 500, Deduct</i> -2.04 <i>For >500, Deduct</i> -2.45		
05 05 23 00-0422 EA 3/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt 13.23 <i>For >100 To 250, Deduct</i> -1.63 <i>For >250 To 500, Deduct</i> -2.04 <i>For >500, Deduct</i> -2.45		

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0423 EA 3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.75	
For >100 To 250, Deduct	-1.67	
For >250 To 500, Deduct	-2.08	
For >500, Deduct	-2.50	
05 05 23 00-0424 EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.39	
For >100 To 250, Deduct	-1.67	
For >250 To 500, Deduct	-2.08	
For >500, Deduct	-2.50	
05 05 23 00-0425 EA 3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.16	
For >100 To 250, Deduct	-1.67	
For >250 To 500, Deduct	-2.08	
For >500, Deduct	-2.50	
05 05 23 00-0426 EA 3/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.43	
For >100 To 250, Deduct	-1.70	
For >250 To 500, Deduct	-2.13	
For >500, Deduct	-2.55	
05 05 23 00-0427 EA 3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.24	
For >100 To 250, Deduct	-1.70	
For >250 To 500, Deduct	-2.13	
For >500, Deduct	-2.55	
05 05 23 00-0428 EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.69	
For >100 To 250, Deduct	-1.70	
For >250 To 500, Deduct	-2.13	
For >500, Deduct	-2.55	
05 05 23 00-0429 EA 3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.07	
For >100 To 250, Deduct	-1.74	
For >250 To 500, Deduct	-2.17	
For >500, Deduct	-2.60	
05 05 23 00-0430 EA 3/4" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.48	
For >100 To 250, Deduct	-1.74	
For >250 To 500, Deduct	-2.17	
For >500, Deduct	-2.60	
05 05 23 00-0431 EA 3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	20.81	
For >100 To 250, Deduct	-1.74	
For >250 To 500, Deduct	-2.17	
For >500, Deduct	-2.60	
05 05 23 00-0432 EA 3/4" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	21.14	
For >100 To 250, Deduct	-1.74	
For >250 To 500, Deduct	-2.17	
For >500, Deduct	-2.60	
05 05 23 00-0433 7/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)		
05 05 23 00-0434 EA 7/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.80	
For >100 To 250, Deduct	-1.74	
For >250 To 500, Deduct	-2.17	
For >500, Deduct	-2.60	
05 05 23 00-0435 EA 7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.98	
For >100 To 250, Deduct	-1.74	
For >250 To 500, Deduct	-2.17	
For >500, Deduct	-2.60	
05 05 23 00-0436 EA 7/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.23	
For >100 To 250, Deduct	-1.74	
For >250 To 500, Deduct	-2.17	
For >500, Deduct	-2.60	
05 05 23 00-0437 EA 7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.66	
For >100 To 250, Deduct	-1.77	
For >250 To 500, Deduct	-2.22	
For >500, Deduct	-2.66	
05 05 23 00-0438 EA 7/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.41	
For >100 To 250, Deduct	-1.77	
For >250 To 500, Deduct	-2.22	
For >500, Deduct	-2.66	
05 05 23 00-0439 EA 7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.91	
For >100 To 250, Deduct	-1.77	
For >250 To 500, Deduct	-2.22	
For >500, Deduct	-2.66	
05 05 23 00-0440 EA 7/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.45	
For >100 To 250, Deduct	-1.81	
For >250 To 500, Deduct	-2.26	
For >500, Deduct	-2.71	
05 05 23 00-0441 EA 7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.34	
For >100 To 250, Deduct	-1.81	
For >250 To 500, Deduct	-2.26	
For >500, Deduct	-2.71	
05 05 23 00-0442 EA 7/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.01	
For >100 To 250, Deduct	-1.81	
For >250 To 500, Deduct	-2.26	
For >500, Deduct	-2.71	
05 05 23 00-0443 EA 7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.50	
For >100 To 250, Deduct	-1.84	
For >250 To 500, Deduct	-2.30	
For >500, Deduct	-2.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0444 EA 7/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.06	
<i>For >100 To 250, Deduct</i>	-1.84	
<i>For >250 To 500, Deduct</i>	-2.30	
<i>For >500, Deduct</i>	-2.76	
05 05 23 00-0445 EA 7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.44	
<i>For >100 To 250, Deduct</i>	-1.84	
<i>For >250 To 500, Deduct</i>	-2.30	
<i>For >500, Deduct</i>	-2.76	
05 05 23 00-0446 EA 7/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	20.46	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0447 EA 7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	21.51	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0448 EA 7/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	21.58	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0449 EA 7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	23.25	
<i>For >100 To 250, Deduct</i>	-1.91	
<i>For >250 To 500, Deduct</i>	-2.39	
<i>For >500, Deduct</i>	-2.87	
05 05 23 00-0450 EA 7/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	24.28	
<i>For >100 To 250, Deduct</i>	-1.91	
<i>For >250 To 500, Deduct</i>	-2.39	
<i>For >500, Deduct</i>	-2.87	
05 05 23 00-0451 EA 7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	25.15	
<i>For >100 To 250, Deduct</i>	-1.91	
<i>For >250 To 500, Deduct</i>	-2.39	
<i>For >500, Deduct</i>	-2.87	
05 05 23 00-0452 EA 7/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	26.02	
<i>For >100 To 250, Deduct</i>	-1.91	
<i>For >250 To 500, Deduct</i>	-2.39	
<i>For >500, Deduct</i>	-2.87	
05 05 23 00-0453 1" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0454 EA 1" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.47	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.17	
<i>For >500, Deduct</i>	-2.60	
05 05 23 00-0455 EA 1" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.52	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.17	
<i>For >500, Deduct</i>	-2.60	
05 05 23 00-0456 EA 1" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.26	
<i>For >100 To 250, Deduct</i>	-1.77	
<i>For >250 To 500, Deduct</i>	-2.22	
<i>For >500, Deduct</i>	-2.66	
05 05 23 00-0457 EA 1" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.99	
<i>For >100 To 250, Deduct</i>	-1.77	
<i>For >250 To 500, Deduct</i>	-2.22	
<i>For >500, Deduct</i>	-2.66	
05 05 23 00-0458 EA 1" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.52	
<i>For >100 To 250, Deduct</i>	-1.77	
<i>For >250 To 500, Deduct</i>	-2.22	
<i>For >500, Deduct</i>	-2.66	
05 05 23 00-0459 EA 1" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.37	
<i>For >100 To 250, Deduct</i>	-1.81	
<i>For >250 To 500, Deduct</i>	-2.26	
<i>For >500, Deduct</i>	-2.71	
05 05 23 00-0460 EA 1" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.22	
<i>For >100 To 250, Deduct</i>	-1.81	
<i>For >250 To 500, Deduct</i>	-2.26	
<i>For >500, Deduct</i>	-2.71	
05 05 23 00-0461 EA 1" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	18.46	
<i>For >100 To 250, Deduct</i>	-1.81	
<i>For >250 To 500, Deduct</i>	-2.26	
<i>For >500, Deduct</i>	-2.71	
05 05 23 00-0462 EA 1" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.52	
<i>For >100 To 250, Deduct</i>	-1.84	
<i>For >250 To 500, Deduct</i>	-2.30	
<i>For >500, Deduct</i>	-2.76	
05 05 23 00-0463 EA 1" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.78	
<i>For >100 To 250, Deduct</i>	-1.84	
<i>For >250 To 500, Deduct</i>	-2.30	
<i>For >500, Deduct</i>	-2.76	
05 05 23 00-0464 EA 1" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	21.51	
<i>For >100 To 250, Deduct</i>	-1.84	
<i>For >250 To 500, Deduct</i>	-2.30	
<i>For >500, Deduct</i>	-2.76	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0465 EA 1" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.79	
For >100 To 250, Deduct	-1.88	
For >250 To 500, Deduct	-2.35	
For >500, Deduct	-2.81	
05 05 23 00-0466 EA 1" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.63	
For >100 To 250, Deduct	-1.88	
For >250 To 500, Deduct	-2.35	
For >500, Deduct	-2.81	
05 05 23 00-0467 EA 1" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	25.15	
For >100 To 250, Deduct	-1.88	
For >250 To 500, Deduct	-2.35	
For >500, Deduct	-2.81	
05 05 23 00-0468 EA 1" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	31.21	
For >100 To 250, Deduct	-1.91	
For >250 To 500, Deduct	-2.39	
For >500, Deduct	-2.87	
05 05 23 00-0469 EA 1" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	31.67	
For >100 To 250, Deduct	-1.91	
For >250 To 500, Deduct	-2.39	
For >500, Deduct	-2.87	
05 05 23 00-0470 EA 1" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	32.93	
For >100 To 250, Deduct	-1.91	
For >250 To 500, Deduct	-2.39	
For >500, Deduct	-2.87	
05 05 23 00-0471 EA 1" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	33.79	
For >100 To 250, Deduct	-1.91	
For >250 To 500, Deduct	-2.39	
For >500, Deduct	-2.87	
05 05 23 00-0472 Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0097)</small>		
05 05 23 00-0473 1/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small>		
05 05 23 00-0474 EA 1/4" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.25	
For >100 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-1.52	
For >500, Deduct	-1.82	
05 05 23 00-0475 EA 1/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.33	
For >100 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-1.52	
For >500, Deduct	-1.82	
05 05 23 00-0476 EA 1/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.38	
For >100 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-1.52	
For >500, Deduct	-1.82	
05 05 23 00-0477 EA 1/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.47	
For >100 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-1.52	
For >500, Deduct	-1.82	
05 05 23 00-0478 EA 1/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.70	
For >100 To 250, Deduct	-1.25	
For >250 To 500, Deduct	-1.56	
For >500, Deduct	-1.88	
05 05 23 00-0479 EA 1/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.81	
For >100 To 250, Deduct	-1.25	
For >250 To 500, Deduct	-1.56	
For >500, Deduct	-1.88	
05 05 23 00-0480 EA 1/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.91	
For >100 To 250, Deduct	-1.25	
For >250 To 500, Deduct	-1.56	
For >500, Deduct	-1.88	
05 05 23 00-0481 EA 1/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.08	
For >100 To 250, Deduct	-1.28	
For >250 To 500, Deduct	-1.61	
For >500, Deduct	-1.93	
05 05 23 00-0482 EA 1/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.37	
For >100 To 250, Deduct	-1.28	
For >250 To 500, Deduct	-1.61	
For >500, Deduct	-1.93	
05 05 23 00-0483 EA 1/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.63	
For >100 To 250, Deduct	-1.28	
For >250 To 500, Deduct	-1.61	
For >500, Deduct	-1.93	
05 05 23 00-0484 EA 1/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.94	
For >100 To 250, Deduct	-1.32	
For >250 To 500, Deduct	-1.65	
For >500, Deduct	-1.98	
05 05 23 00-0485 EA 1/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.09	
For >100 To 250, Deduct	-1.32	
For >250 To 500, Deduct	-1.65	
For >500, Deduct	-1.98	
05 05 23 00-0486 EA 1/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.27	
For >100 To 250, Deduct	-1.32	
For >250 To 500, Deduct	-1.65	
For >500, Deduct	-1.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0487 EA 1/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.58	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0488 EA 1/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.94	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0489 EA 1/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.09	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0490 5/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small>		
05 05 23 00-0491 EA 5/16" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.32	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0492 EA 5/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.37	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0493 EA 5/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.54	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0494 EA 5/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.58	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0495 EA 5/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.84	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.56	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0496 EA 5/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.09	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.56	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0497 EA 5/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.17	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.56	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0498 EA 5/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.49	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0499 EA 5/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.65	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0500 EA 5/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.01	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0501 EA 5/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.39	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0502 EA 5/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.53	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0503 EA 5/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.75	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0504 EA 5/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.08	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0505 EA 5/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.24	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0506 EA 5/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.55	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0507 3/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small>		

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0508 EA 3/8" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.50	
For >100 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-1.52	
For >500, Deduct	-1.82	
05 05 23 00-0509 EA 3/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.52	
For >100 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-1.52	
For >500, Deduct	-1.82	
05 05 23 00-0510 EA 3/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.53	
For >100 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-1.52	
For >500, Deduct	-1.82	
05 05 23 00-0511 EA 3/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.73	
For >100 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-1.52	
For >500, Deduct	-1.82	
05 05 23 00-0512 EA 3/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.02	
For >100 To 250, Deduct	-1.25	
For >250 To 500, Deduct	-1.56	
For >500, Deduct	-1.88	
05 05 23 00-0513 EA 3/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.22	
For >100 To 250, Deduct	-1.25	
For >250 To 500, Deduct	-1.56	
For >500, Deduct	-1.88	
05 05 23 00-0514 EA 3/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.40	
For >100 To 250, Deduct	-1.25	
For >250 To 500, Deduct	-1.56	
For >500, Deduct	-1.88	
05 05 23 00-0515 EA 3/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.13	
For >100 To 250, Deduct	-1.28	
For >250 To 500, Deduct	-1.61	
For >500, Deduct	-1.93	
05 05 23 00-0516 EA 3/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.36	
For >100 To 250, Deduct	-1.28	
For >250 To 500, Deduct	-1.61	
For >500, Deduct	-1.93	
05 05 23 00-0517 EA 3/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.41	
For >100 To 250, Deduct	-1.28	
For >250 To 500, Deduct	-1.61	
For >500, Deduct	-1.93	
05 05 23 00-0518 EA 3/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.67	
For >100 To 250, Deduct	-1.32	
For >250 To 500, Deduct	-1.65	
For >500, Deduct	-1.98	
05 05 23 00-0519 EA 3/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.92	
For >100 To 250, Deduct	-1.32	
For >250 To 500, Deduct	-1.65	
For >500, Deduct	-1.98	
05 05 23 00-0520 EA 3/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.03	
For >100 To 250, Deduct	-1.32	
For >250 To 500, Deduct	-1.65	
For >500, Deduct	-1.98	
05 05 23 00-0521 EA 3/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.48	
For >100 To 250, Deduct	-1.36	
For >250 To 500, Deduct	-1.70	
For >500, Deduct	-2.03	
05 05 23 00-0522 EA 3/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.98	
For >100 To 250, Deduct	-1.36	
For >250 To 500, Deduct	-1.70	
For >500, Deduct	-2.03	
05 05 23 00-0523 EA 3/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.15	
For >100 To 250, Deduct	-1.36	
For >250 To 500, Deduct	-1.70	
For >500, Deduct	-2.03	
05 05 23 00-0524 7/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0525 EA 7/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.56	
For >100 To 250, Deduct	-1.39	
For >250 To 500, Deduct	-1.74	
For >500, Deduct	-2.09	
05 05 23 00-0526 EA 7/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.59	
For >100 To 250, Deduct	-1.39	
For >250 To 500, Deduct	-1.74	
For >500, Deduct	-2.09	
05 05 23 00-0527 EA 7/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.91	
For >100 To 250, Deduct	-1.39	
For >250 To 500, Deduct	-1.74	
For >500, Deduct	-2.09	
05 05 23 00-0528 EA 7/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.11	
For >100 To 250, Deduct	-1.42	
For >250 To 500, Deduct	-1.78	
For >500, Deduct	-2.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0529 EA 7/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.46	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.78	
<i>For >500, Deduct</i>	-2.14	
05 05 23 00-0530 EA 7/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.65	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.78	
<i>For >500, Deduct</i>	-2.14	
05 05 23 00-0531 EA 7/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.87	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.19	
05 05 23 00-0532 EA 7/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.65	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.19	
05 05 23 00-0533 EA 7/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.26	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.19	
05 05 23 00-0534 EA 7/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.84	
<i>For >100 To 250, Deduct</i>	-1.49	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0535 EA 7/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.05	
<i>For >100 To 250, Deduct</i>	-1.49	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0536 EA 7/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.37	
<i>For >100 To 250, Deduct</i>	-1.49	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0537 EA 7/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.02	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0538 EA 7/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.05	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0539 EA 7/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.13	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0540 1/2" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0541 EA 1/2" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.77	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0542 EA 1/2" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.00	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0543 EA 1/2" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.14	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0544 EA 1/2" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.46	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.78	
<i>For >500, Deduct</i>	-2.14	
05 05 23 00-0545 EA 1/2" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.71	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.78	
<i>For >500, Deduct</i>	-2.14	
05 05 23 00-0546 EA 1/2" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.28	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.78	
<i>For >500, Deduct</i>	-2.14	
05 05 23 00-0547 EA 1/2" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.85	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.19	
05 05 23 00-0548 EA 1/2" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.18	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.19	
05 05 23 00-0549 EA 1/2" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.42	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.19	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0550	EA		1/2" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.00	
			<i>For >100 To 250, Deduct</i>	-1.49	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0551	EA		1/2" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.71	
			<i>For >100 To 250, Deduct</i>	-1.49	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0552	EA		1/2" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.37	
			<i>For >100 To 250, Deduct</i>	-1.49	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0553	EA		1/2" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.11	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0554	EA		1/2" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.40	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0555	EA		1/2" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.22	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0556	EA		1/2" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.75	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0557	EA		1/2" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.34	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0558	EA		1/2" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.65	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0559	EA		1/2" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.11	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0560			9/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small>		
05 05 23 00-0561	EA		9/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.98	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0562	EA		9/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.12	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0563	EA		9/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.44	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0564	EA		9/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.07	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.14	
05 05 23 00-0565	EA		9/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.18	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.14	
05 05 23 00-0566	EA		9/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.65	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.14	
05 05 23 00-0567	EA		9/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.14	
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.19	
05 05 23 00-0568	EA		9/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.66	
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.19	
05 05 23 00-0569	EA		9/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.95	
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.19	
05 05 23 00-0570	EA		9/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.36	
			<i>For >100 To 250, Deduct</i>	-1.49	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0571 EA 9/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.02	
<i>For >100 To 250, Deduct</i>	-1.49	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0572 EA 9/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.50	
<i>For >100 To 250, Deduct</i>	-1.49	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0573 EA 9/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.59	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0574 EA 9/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.18	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0575 EA 9/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	26.10	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0576 5/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0577 EA 5/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.33	
<i>For >100 To 250, Deduct</i>	-1.56	
<i>For >250 To 500, Deduct</i>	-1.95	
<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0578 EA 5/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.47	
<i>For >100 To 250, Deduct</i>	-1.56	
<i>For >250 To 500, Deduct</i>	-1.95	
<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0579 EA 5/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.82	
<i>For >100 To 250, Deduct</i>	-1.56	
<i>For >250 To 500, Deduct</i>	-1.95	
<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0580 EA 5/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.51	
<i>For >100 To 250, Deduct</i>	-1.60	
<i>For >250 To 500, Deduct</i>	-2.00	
<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0581 EA 5/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.93	
<i>For >100 To 250, Deduct</i>	-1.60	
<i>For >250 To 500, Deduct</i>	-2.00	
<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0582 EA 5/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.16	
<i>For >100 To 250, Deduct</i>	-1.60	
<i>For >250 To 500, Deduct</i>	-2.00	
<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0583 EA 5/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.48	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.04	
<i>For >500, Deduct</i>	-2.45	
05 05 23 00-0584 EA 5/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.23	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.04	
<i>For >500, Deduct</i>	-2.45	
05 05 23 00-0585 EA 5/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.56	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.04	
<i>For >500, Deduct</i>	-2.45	
05 05 23 00-0586 EA 5/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.08	
<i>For >100 To 250, Deduct</i>	-1.67	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0587 EA 5/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.43	
<i>For >100 To 250, Deduct</i>	-1.67	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0588 EA 5/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.17	
<i>For >100 To 250, Deduct</i>	-1.67	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0589 EA 5/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.09	
<i>For >100 To 250, Deduct</i>	-1.70	
<i>For >250 To 500, Deduct</i>	-2.13	
<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0590 EA 5/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.93	
<i>For >100 To 250, Deduct</i>	-1.70	
<i>For >250 To 500, Deduct</i>	-2.13	
<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0591 EA 5/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.28	
<i>For >100 To 250, Deduct</i>	-1.70	
<i>For >250 To 500, Deduct</i>	-2.13	
<i>For >500, Deduct</i>	-2.55	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0592	EA		5/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.95	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.17	
			<i>For >500, Deduct</i>	-2.60	
05 05 23 00-0593	EA		5/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	20.59	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.17	
			<i>For >500, Deduct</i>	-2.60	
05 05 23 00-0594	EA		5/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	20.72	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.17	
			<i>For >500, Deduct</i>	-2.60	
05 05 23 00-0595	EA		5/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.25	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.17	
			<i>For >500, Deduct</i>	-2.60	
05 05 23 00-0596			3/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0597	EA		3/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.11	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0598	EA		3/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.26	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0599	EA		3/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.36	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0600	EA		3/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.76	
			<i>For >100 To 250, Deduct</i>	-1.60	
			<i>For >250 To 500, Deduct</i>	-2.00	
			<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0601	EA		3/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.06	
			<i>For >100 To 250, Deduct</i>	-1.60	
			<i>For >250 To 500, Deduct</i>	-2.00	
			<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0602	EA		3/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.96	
			<i>For >100 To 250, Deduct</i>	-1.60	
			<i>For >250 To 500, Deduct</i>	-2.00	
			<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0603	EA		3/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.50	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.04	
			<i>For >500, Deduct</i>	-2.45	
05 05 23 00-0604	EA		3/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.58	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.04	
			<i>For >500, Deduct</i>	-2.45	
05 05 23 00-0605	EA		3/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.80	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.04	
			<i>For >500, Deduct</i>	-2.45	
05 05 23 00-0606	EA		3/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.41	
			<i>For >100 To 250, Deduct</i>	-1.67	
			<i>For >250 To 500, Deduct</i>	-2.08	
			<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0607	EA		3/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.05	
			<i>For >100 To 250, Deduct</i>	-1.67	
			<i>For >250 To 500, Deduct</i>	-2.08	
			<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0608	EA		3/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.24	
			<i>For >100 To 250, Deduct</i>	-1.67	
			<i>For >250 To 500, Deduct</i>	-2.08	
			<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0609	EA		3/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.86	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.13	
			<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0610	EA		3/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.49	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.13	
			<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0611	EA		3/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.82	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.13	
			<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0612	EA		3/4" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	20.57	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.17	
			<i>For >500, Deduct</i>	-2.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0613 EA 3/4" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.73	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.17	
<i>For >500, Deduct</i>	-2.60	
05 05 23 00-0614 EA 3/4" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.55	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.17	
<i>For >500, Deduct</i>	-2.60	
05 05 23 00-0615 EA 3/4" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.86	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.17	
<i>For >500, Deduct</i>	-2.60	
05 05 23 00-0616 7/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small>		
05 05 23 00-0617 EA 7/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.14	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.17	
<i>For >500, Deduct</i>	-2.60	
05 05 23 00-0618 EA 7/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.54	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.17	
<i>For >500, Deduct</i>	-2.60	
05 05 23 00-0619 EA 7/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.29	
<i>For >100 To 250, Deduct</i>	-1.77	
<i>For >250 To 500, Deduct</i>	-2.22	
<i>For >500, Deduct</i>	-2.66	
05 05 23 00-0620 EA 7/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.47	
<i>For >100 To 250, Deduct</i>	-1.77	
<i>For >250 To 500, Deduct</i>	-2.22	
<i>For >500, Deduct</i>	-2.66	
05 05 23 00-0621 EA 7/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.61	
<i>For >100 To 250, Deduct</i>	-1.77	
<i>For >250 To 500, Deduct</i>	-2.22	
<i>For >500, Deduct</i>	-2.66	
05 05 23 00-0622 EA 7/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.03	
<i>For >100 To 250, Deduct</i>	-1.81	
<i>For >250 To 500, Deduct</i>	-2.26	
<i>For >500, Deduct</i>	-2.71	
05 05 23 00-0623 EA 7/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.88	
<i>For >100 To 250, Deduct</i>	-1.81	
<i>For >250 To 500, Deduct</i>	-2.26	
<i>For >500, Deduct</i>	-2.71	
05 05 23 00-0624 EA 7/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.60	
<i>For >100 To 250, Deduct</i>	-1.81	
<i>For >250 To 500, Deduct</i>	-2.26	
<i>For >500, Deduct</i>	-2.71	
05 05 23 00-0625 EA 7/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.47	
<i>For >100 To 250, Deduct</i>	-1.84	
<i>For >250 To 500, Deduct</i>	-2.30	
<i>For >500, Deduct</i>	-2.76	
05 05 23 00-0626 EA 7/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.54	
<i>For >100 To 250, Deduct</i>	-1.84	
<i>For >250 To 500, Deduct</i>	-2.30	
<i>For >500, Deduct</i>	-2.76	
05 05 23 00-0627 EA 7/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	25.30	
<i>For >100 To 250, Deduct</i>	-1.84	
<i>For >250 To 500, Deduct</i>	-2.30	
<i>For >500, Deduct</i>	-2.76	
05 05 23 00-0628 EA 7/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	26.39	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0629 EA 7/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	29.22	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0630 EA 7/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	30.37	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0631 EA 7/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	31.46	
<i>For >100 To 250, Deduct</i>	-1.91	
<i>For >250 To 500, Deduct</i>	-2.39	
<i>For >500, Deduct</i>	-2.87	
05 05 23 00-0632 EA 7/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	31.79	
<i>For >100 To 250, Deduct</i>	-1.91	
<i>For >250 To 500, Deduct</i>	-2.39	
<i>For >500, Deduct</i>	-2.87	
05 05 23 00-0633 EA 7/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	32.07	
<i>For >100 To 250, Deduct</i>	-1.91	
<i>For >250 To 500, Deduct</i>	-2.39	
<i>For >500, Deduct</i>	-2.87	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0634	EA		7/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	32.75	
			<i>For >100 To 250, Deduct</i>	-1.91	
			<i>For >250 To 500, Deduct</i>	-2.39	
			<i>For >500, Deduct</i>	-2.87	
05 05 23 00-0635			1" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small>		
05 05 23 00-0636	EA		1" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.26	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.17	
			<i>For >500, Deduct</i>	-2.60	
05 05 23 00-0637	EA		1" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.25	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.17	
			<i>For >500, Deduct</i>	-2.60	
05 05 23 00-0638	EA		1" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.86	
			<i>For >100 To 250, Deduct</i>	-1.77	
			<i>For >250 To 500, Deduct</i>	-2.22	
			<i>For >500, Deduct</i>	-2.66	
05 05 23 00-0639	EA		1" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.60	
			<i>For >100 To 250, Deduct</i>	-1.77	
			<i>For >250 To 500, Deduct</i>	-2.22	
			<i>For >500, Deduct</i>	-2.66	
05 05 23 00-0640	EA		1" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.98	
			<i>For >100 To 250, Deduct</i>	-1.77	
			<i>For >250 To 500, Deduct</i>	-2.22	
			<i>For >500, Deduct</i>	-2.66	
05 05 23 00-0641	EA		1" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.51	
			<i>For >100 To 250, Deduct</i>	-1.81	
			<i>For >250 To 500, Deduct</i>	-2.26	
			<i>For >500, Deduct</i>	-2.71	
05 05 23 00-0642	EA		1" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.71	
			<i>For >100 To 250, Deduct</i>	-1.81	
			<i>For >250 To 500, Deduct</i>	-2.26	
			<i>For >500, Deduct</i>	-2.71	
05 05 23 00-0643	EA		1" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.29	
			<i>For >100 To 250, Deduct</i>	-1.81	
			<i>For >250 To 500, Deduct</i>	-2.26	
			<i>For >500, Deduct</i>	-2.71	
05 05 23 00-0644	EA		1" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.22	
			<i>For >100 To 250, Deduct</i>	-1.84	
			<i>For >250 To 500, Deduct</i>	-2.30	
			<i>For >500, Deduct</i>	-2.76	
05 05 23 00-0645	EA		1" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.89	
			<i>For >100 To 250, Deduct</i>	-1.84	
			<i>For >250 To 500, Deduct</i>	-2.30	
			<i>For >500, Deduct</i>	-2.76	
05 05 23 00-0646	EA		1" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	26.22	
			<i>For >100 To 250, Deduct</i>	-1.84	
			<i>For >250 To 500, Deduct</i>	-2.30	
			<i>For >500, Deduct</i>	-2.76	
05 05 23 00-0647	EA		1" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	26.90	
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.35	
			<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0648	EA		1" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	30.65	
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.35	
			<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0649	EA		1" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	31.30	
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.35	
			<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0650	EA		1" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	33.46	
			<i>For >100 To 250, Deduct</i>	-1.91	
			<i>For >250 To 500, Deduct</i>	-2.39	
			<i>For >500, Deduct</i>	-2.87	
05 05 23 00-0651	EA		1" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	34.55	
			<i>For >100 To 250, Deduct</i>	-1.91	
			<i>For >250 To 500, Deduct</i>	-2.39	
			<i>For >500, Deduct</i>	-2.87	
05 05 23 00-0652	EA		1" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	37.41	
			<i>For >100 To 250, Deduct</i>	-1.91	
			<i>For >250 To 500, Deduct</i>	-2.39	
			<i>For >500, Deduct</i>	-2.87	
05 05 23 00-0653	EA		1" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	39.16	
			<i>For >100 To 250, Deduct</i>	-1.91	
			<i>For >250 To 500, Deduct</i>	-2.39	
			<i>For >500, Deduct</i>	-2.87	
05 05 23 00-0654			Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0097)</small>		
05 05 23 00-0655			1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0656 EA 1/4" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.36	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0657 EA 1/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.38	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0658 EA 1/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.40	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0659 EA 1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.60	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0660 EA 1/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.87	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.56	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0661 EA 1/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.99	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.56	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0662 EA 1/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.04	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.56	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0663 EA 1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.22	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0664 EA 1/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.36	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0665 EA 1/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.40	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0666 EA 1/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.67	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0667 EA 1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.79	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0668 EA 1/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.84	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0669 EA 1/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.14	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0670 EA 1/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.48	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0671 EA 1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.91	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0672 5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts		
<small>(05 05 23 00-0654)</small>		
05 05 23 00-0673 EA 5/16" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.27	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0674 EA 5/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.66	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0675 EA 5/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.70	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0676 EA 5/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.72	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0677	EA	5/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.06	
		<i>For >100 To 250, Deduct</i>	-1.25	
		<i>For >250 To 500, Deduct</i>	-1.56	
		<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0678	EA	5/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.43	
		<i>For >100 To 250, Deduct</i>	-1.25	
		<i>For >250 To 500, Deduct</i>	-1.56	
		<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0679	EA	5/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.50	
		<i>For >100 To 250, Deduct</i>	-1.25	
		<i>For >250 To 500, Deduct</i>	-1.56	
		<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0680	EA	5/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.77	
		<i>For >100 To 250, Deduct</i>	-1.28	
		<i>For >250 To 500, Deduct</i>	-1.61	
		<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0681	EA	5/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.80	
		<i>For >100 To 250, Deduct</i>	-1.28	
		<i>For >250 To 500, Deduct</i>	-1.61	
		<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0682	EA	5/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.10	
		<i>For >100 To 250, Deduct</i>	-1.28	
		<i>For >250 To 500, Deduct</i>	-1.61	
		<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0683	EA	5/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.35	
		<i>For >100 To 250, Deduct</i>	-1.32	
		<i>For >250 To 500, Deduct</i>	-1.65	
		<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0684	EA	5/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.46	
		<i>For >100 To 250, Deduct</i>	-1.32	
		<i>For >250 To 500, Deduct</i>	-1.65	
		<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0685	EA	5/16" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.75	
		<i>For >100 To 250, Deduct</i>	-1.32	
		<i>For >250 To 500, Deduct</i>	-1.65	
		<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0686	EA	5/16" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.50	
		<i>For >100 To 250, Deduct</i>	-1.36	
		<i>For >250 To 500, Deduct</i>	-1.70	
		<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0687	EA	5/16" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.96	
		<i>For >100 To 250, Deduct</i>	-1.36	
		<i>For >250 To 500, Deduct</i>	-1.70	
		<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0688	EA	5/16" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.38	
		<i>For >100 To 250, Deduct</i>	-1.36	
		<i>For >250 To 500, Deduct</i>	-1.70	
		<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0689		3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0690	EA	3/8" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.39	
		<i>For >100 To 250, Deduct</i>	-1.22	
		<i>For >250 To 500, Deduct</i>	-1.52	
		<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0691	EA	3/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.48	
		<i>For >100 To 250, Deduct</i>	-1.22	
		<i>For >250 To 500, Deduct</i>	-1.52	
		<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0692	EA	3/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.58	
		<i>For >100 To 250, Deduct</i>	-1.22	
		<i>For >250 To 500, Deduct</i>	-1.52	
		<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0693	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.82	
		<i>For >100 To 250, Deduct</i>	-1.22	
		<i>For >250 To 500, Deduct</i>	-1.52	
		<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0694	EA	3/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.09	
		<i>For >100 To 250, Deduct</i>	-1.25	
		<i>For >250 To 500, Deduct</i>	-1.56	
		<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0695	EA	3/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.29	
		<i>For >100 To 250, Deduct</i>	-1.25	
		<i>For >250 To 500, Deduct</i>	-1.56	
		<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0696	EA	3/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.43	
		<i>For >100 To 250, Deduct</i>	-1.25	
		<i>For >250 To 500, Deduct</i>	-1.56	
		<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0697	EA	3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.79	
		<i>For >100 To 250, Deduct</i>	-1.28	
		<i>For >250 To 500, Deduct</i>	-1.61	
		<i>For >500, Deduct</i>	-1.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0698 EA 3/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.89	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0699 EA 3/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.13	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0700 EA 3/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.41	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0701 EA 3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.73	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0702 EA 3/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.79	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0703 EA 3/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.00	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0704 EA 3/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.04	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0705 EA 3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.42	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0706 7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0707 EA 7/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.85	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0708 EA 7/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.28	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0709 EA 7/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.61	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0710 EA 7/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.33	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.78	
<i>For >500, Deduct</i>	-2.14	
05 05 23 00-0711 EA 7/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.35	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.78	
<i>For >500, Deduct</i>	-2.14	
05 05 23 00-0712 EA 7/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.39	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.78	
<i>For >500, Deduct</i>	-2.14	
05 05 23 00-0713 EA 7/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.84	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.19	
05 05 23 00-0714 EA 7/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.15	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.19	
05 05 23 00-0715 EA 7/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.42	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.19	
05 05 23 00-0716 EA 7/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.90	
<i>For >100 To 250, Deduct</i>	-1.49	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0717 EA 7/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.21	
<i>For >100 To 250, Deduct</i>	-1.49	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0718 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0719	EA		1/2" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.66	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0720	EA		1/2" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.80	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0721	EA		1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.08	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0722	EA		1/2" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.57	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.14	
05 05 23 00-0723	EA		1/2" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.79	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.14	
05 05 23 00-0724	EA		1/2" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.18	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.14	
05 05 23 00-0725	EA		1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.43	
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.19	
05 05 23 00-0726	EA		1/2" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.58	
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.19	
05 05 23 00-0727	EA		1/2" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.90	
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.19	
05 05 23 00-0728	EA		1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.22	
			<i>For >100 To 250, Deduct</i>	-1.49	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0729	EA		1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.57	
			<i>For >100 To 250, Deduct</i>	-1.49	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0730	EA		1/2" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.60	
			<i>For >100 To 250, Deduct</i>	-1.49	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0731	EA		1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.84	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0732	EA		1/2" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.93	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0733	EA		1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.20	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0734	EA		1/2" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.64	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0735	EA		1/2" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.86	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0736	EA		1/2" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.90	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0737	EA		1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.03	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0738			5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts		
			<small>(05 05 23 00-0654)</small>		
05 05 23 00-0739	EA		5/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.02	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0740 EA 5/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.24	
<i>For >100 To 250, Deduct</i>	-1.56	
<i>For >250 To 500, Deduct</i>	-1.95	
<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0741 EA 5/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.39	
<i>For >100 To 250, Deduct</i>	-1.56	
<i>For >250 To 500, Deduct</i>	-1.95	
<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0742 EA 5/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.81	
<i>For >100 To 250, Deduct</i>	-1.60	
<i>For >250 To 500, Deduct</i>	-2.00	
<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0743 EA 5/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.12	
<i>For >100 To 250, Deduct</i>	-1.60	
<i>For >250 To 500, Deduct</i>	-2.00	
<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0744 EA 5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.83	
<i>For >100 To 250, Deduct</i>	-1.60	
<i>For >250 To 500, Deduct</i>	-2.00	
<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0745 EA 5/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.11	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.04	
<i>For >500, Deduct</i>	-2.45	
05 05 23 00-0746 EA 5/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.23	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.04	
<i>For >500, Deduct</i>	-2.45	
05 05 23 00-0747 EA 5/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.45	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.04	
<i>For >500, Deduct</i>	-2.45	
05 05 23 00-0748 EA 5/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.90	
<i>For >100 To 250, Deduct</i>	-1.67	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0749 EA 5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.15	
<i>For >100 To 250, Deduct</i>	-1.67	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0750 EA 5/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.88	
<i>For >100 To 250, Deduct</i>	-1.67	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0751 EA 5/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.09	
<i>For >100 To 250, Deduct</i>	-1.70	
<i>For >250 To 500, Deduct</i>	-2.13	
<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0752 EA 5/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.37	
<i>For >100 To 250, Deduct</i>	-1.70	
<i>For >250 To 500, Deduct</i>	-2.13	
<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0753 EA 5/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.74	
<i>For >100 To 250, Deduct</i>	-1.70	
<i>For >250 To 500, Deduct</i>	-2.13	
<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0754 EA 5/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.45	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.17	
<i>For >500, Deduct</i>	-2.60	
05 05 23 00-0755 EA 5/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.05	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.17	
<i>For >500, Deduct</i>	-2.60	
05 05 23 00-0756 EA 5/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.43	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.17	
<i>For >500, Deduct</i>	-2.60	
05 05 23 00-0757 EA 5/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.53	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.17	
<i>For >500, Deduct</i>	-2.60	
05 05 23 00-0758 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0759 EA 3/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.06	
<i>For >100 To 250, Deduct</i>	-1.56	
<i>For >250 To 500, Deduct</i>	-1.95	
<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0760 EA 3/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.10	
<i>For >100 To 250, Deduct</i>	-1.56	
<i>For >250 To 500, Deduct</i>	-1.95	
<i>For >500, Deduct</i>	-2.34	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0761 EA 3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.36	
For >100 To 250, Deduct	-1.56	
For >250 To 500, Deduct	-1.95	
For >500, Deduct	-2.34	
05 05 23 00-0762 EA 3/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.13	
For >100 To 250, Deduct	-1.60	
For >250 To 500, Deduct	-2.00	
For >500, Deduct	-2.40	
05 05 23 00-0763 EA 3/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.12	
For >100 To 250, Deduct	-1.60	
For >250 To 500, Deduct	-2.00	
For >500, Deduct	-2.40	
05 05 23 00-0764 EA 3/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.75	
For >100 To 250, Deduct	-1.60	
For >250 To 500, Deduct	-2.00	
For >500, Deduct	-2.40	
05 05 23 00-0765 EA 3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.26	
For >100 To 250, Deduct	-1.63	
For >250 To 500, Deduct	-2.04	
For >500, Deduct	-2.45	
05 05 23 00-0766 EA 3/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.32	
For >100 To 250, Deduct	-1.63	
For >250 To 500, Deduct	-2.04	
For >500, Deduct	-2.45	
05 05 23 00-0767 EA 3/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.46	
For >100 To 250, Deduct	-1.63	
For >250 To 500, Deduct	-2.04	
For >500, Deduct	-2.45	
05 05 23 00-0768 EA 3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.72	
For >100 To 250, Deduct	-1.67	
For >250 To 500, Deduct	-2.08	
For >500, Deduct	-2.50	
05 05 23 00-0769 EA 3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.56	
For >100 To 250, Deduct	-1.67	
For >250 To 500, Deduct	-2.08	
For >500, Deduct	-2.50	
05 05 23 00-0770 EA 3/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.91	
For >100 To 250, Deduct	-1.67	
For >250 To 500, Deduct	-2.08	
For >500, Deduct	-2.50	
05 05 23 00-0771 EA 3/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.76	
For >100 To 250, Deduct	-1.70	
For >250 To 500, Deduct	-2.13	
For >500, Deduct	-2.55	
05 05 23 00-0772 EA 3/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.87	
For >100 To 250, Deduct	-1.70	
For >250 To 500, Deduct	-2.13	
For >500, Deduct	-2.55	
05 05 23 00-0773 EA 3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.21	
For >100 To 250, Deduct	-1.70	
For >250 To 500, Deduct	-2.13	
For >500, Deduct	-2.55	
05 05 23 00-0774 EA 3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.90	
For >100 To 250, Deduct	-1.74	
For >250 To 500, Deduct	-2.17	
For >500, Deduct	-2.60	
05 05 23 00-0775 EA 3/4" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.27	
For >100 To 250, Deduct	-1.74	
For >250 To 500, Deduct	-2.17	
For >500, Deduct	-2.60	
05 05 23 00-0776 EA 3/4" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.47	
For >100 To 250, Deduct	-1.74	
For >250 To 500, Deduct	-2.17	
For >500, Deduct	-2.60	
05 05 23 00-0777 EA 3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.57	
For >100 To 250, Deduct	-1.74	
For >250 To 500, Deduct	-2.17	
For >500, Deduct	-2.60	
05 05 23 00-0778 7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0779 EA 7/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.98	
For >100 To 250, Deduct	-1.74	
For >250 To 500, Deduct	-2.17	
For >500, Deduct	-2.60	
05 05 23 00-0780 EA 7/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.39	
For >100 To 250, Deduct	-1.74	
For >250 To 500, Deduct	-2.17	
For >500, Deduct	-2.60	
05 05 23 00-0781 EA 7/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.79	
For >100 To 250, Deduct	-1.77	
For >250 To 500, Deduct	-2.22	
For >500, Deduct	-2.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0782 EA 7/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.92	
<i>For >100 To 250, Deduct</i>	-1.77	
<i>For >250 To 500, Deduct</i>	-2.22	
<i>For >500, Deduct</i>	-2.66	
05 05 23 00-0783 EA 7/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.23	
<i>For >100 To 250, Deduct</i>	-1.77	
<i>For >250 To 500, Deduct</i>	-2.22	
<i>For >500, Deduct</i>	-2.66	
05 05 23 00-0784 EA 7/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.81	
<i>For >100 To 250, Deduct</i>	-1.81	
<i>For >250 To 500, Deduct</i>	-2.26	
<i>For >500, Deduct</i>	-2.71	
05 05 23 00-0785 EA 7/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.25	
<i>For >100 To 250, Deduct</i>	-1.81	
<i>For >250 To 500, Deduct</i>	-2.26	
<i>For >500, Deduct</i>	-2.71	
05 05 23 00-0786 EA 7/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.82	
<i>For >100 To 250, Deduct</i>	-1.81	
<i>For >250 To 500, Deduct</i>	-2.26	
<i>For >500, Deduct</i>	-2.71	
05 05 23 00-0787 EA 7/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.40	
<i>For >100 To 250, Deduct</i>	-1.84	
<i>For >250 To 500, Deduct</i>	-2.30	
<i>For >500, Deduct</i>	-2.76	
05 05 23 00-0788 EA 7/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.84	
<i>For >100 To 250, Deduct</i>	-1.84	
<i>For >250 To 500, Deduct</i>	-2.30	
<i>For >500, Deduct</i>	-2.76	
05 05 23 00-0789 EA 7/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.35	
<i>For >100 To 250, Deduct</i>	-1.84	
<i>For >250 To 500, Deduct</i>	-2.30	
<i>For >500, Deduct</i>	-2.76	
05 05 23 00-0790 EA 7/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.00	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0791 EA 7/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.82	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0792 EA 7/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.01	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0793 EA 7/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.41	
<i>For >100 To 250, Deduct</i>	-1.91	
<i>For >250 To 500, Deduct</i>	-2.39	
<i>For >500, Deduct</i>	-2.87	
05 05 23 00-0794 EA 7/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.87	
<i>For >100 To 250, Deduct</i>	-1.91	
<i>For >250 To 500, Deduct</i>	-2.39	
<i>For >500, Deduct</i>	-2.87	
05 05 23 00-0795 EA 7/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.43	
<i>For >100 To 250, Deduct</i>	-1.91	
<i>For >250 To 500, Deduct</i>	-2.39	
<i>For >500, Deduct</i>	-2.87	
05 05 23 00-0796 EA 7/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.97	
<i>For >100 To 250, Deduct</i>	-1.91	
<i>For >250 To 500, Deduct</i>	-2.39	
<i>For >500, Deduct</i>	-2.87	
05 05 23 00-0797 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0798 EA 1" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.83	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.17	
<i>For >500, Deduct</i>	-2.60	
05 05 23 00-0799 EA 1" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.13	
<i>For >100 To 250, Deduct</i>	-1.77	
<i>For >250 To 500, Deduct</i>	-2.22	
<i>For >500, Deduct</i>	-2.66	
05 05 23 00-0800 EA 1" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.89	
<i>For >100 To 250, Deduct</i>	-1.77	
<i>For >250 To 500, Deduct</i>	-2.22	
<i>For >500, Deduct</i>	-2.66	
05 05 23 00-0801 EA 1" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.49	
<i>For >100 To 250, Deduct</i>	-1.77	
<i>For >250 To 500, Deduct</i>	-2.22	
<i>For >500, Deduct</i>	-2.66	
05 05 23 00-0802 EA 1" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.04	
<i>For >100 To 250, Deduct</i>	-1.81	
<i>For >250 To 500, Deduct</i>	-2.26	
<i>For >500, Deduct</i>	-2.71	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0803	EA		1" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.34	
			<i>For >100 To 250, Deduct</i>	-1.81	
			<i>For >250 To 500, Deduct</i>	-2.26	
			<i>For >500, Deduct</i>	-2.71	
05 05 23 00-0804	EA		1" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.23	
			<i>For >100 To 250, Deduct</i>	-1.81	
			<i>For >250 To 500, Deduct</i>	-2.26	
			<i>For >500, Deduct</i>	-2.71	
05 05 23 00-0805	EA		1" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.50	
			<i>For >100 To 250, Deduct</i>	-1.84	
			<i>For >250 To 500, Deduct</i>	-2.30	
			<i>For >500, Deduct</i>	-2.76	
05 05 23 00-0806	EA		1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.83	
			<i>For >100 To 250, Deduct</i>	-1.84	
			<i>For >250 To 500, Deduct</i>	-2.30	
			<i>For >500, Deduct</i>	-2.76	
05 05 23 00-0807	EA		1" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.83	
			<i>For >100 To 250, Deduct</i>	-1.84	
			<i>For >250 To 500, Deduct</i>	-2.30	
			<i>For >500, Deduct</i>	-2.76	
05 05 23 00-0808	EA		1" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.57	
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.35	
			<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0809	EA		1" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.83	
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.35	
			<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0810	EA		1" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	27.08	
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.35	
			<i>For >500, Deduct</i>	-2.81	
05 05 23 00-0811	EA		1" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	27.62	
			<i>For >100 To 250, Deduct</i>	-1.91	
			<i>For >250 To 500, Deduct</i>	-2.39	
			<i>For >500, Deduct</i>	-2.87	
05 05 23 00-0812	EA		1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	28.63	
			<i>For >100 To 250, Deduct</i>	-1.91	
			<i>For >250 To 500, Deduct</i>	-2.39	
			<i>For >500, Deduct</i>	-2.87	
05 05 23 00-0813	EA		1" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	29.40	
			<i>For >100 To 250, Deduct</i>	-1.91	
			<i>For >250 To 500, Deduct</i>	-2.39	
			<i>For >500, Deduct</i>	-2.87	
05 05 23 00-0814	EA		1" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	30.54	
			<i>For >100 To 250, Deduct</i>	-1.91	
			<i>For >250 To 500, Deduct</i>	-2.39	
			<i>For >500, Deduct</i>	-2.87	
05 05 23 00-0815			304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0097)</small>		
05 05 23 00-0816			1/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0817	EA		1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	6.27	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.52	
			<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0818	EA		1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	6.34	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.52	
			<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0819	EA		1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	6.43	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.52	
			<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0820	EA		1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	6.53	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.52	
			<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0821	EA		1/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	6.80	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.56	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0822	EA		1/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	6.95	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.56	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0823	EA		1/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	7.12	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.56	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0824	EA		1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	7.42	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.61	
			<i>For >500, Deduct</i>	-1.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0825 EA 1/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	7.64	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0826 EA 1/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.83	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0827 EA 1/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.16	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0828 EA 1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.49	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0829 EA 1/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.38	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0830 EA 1/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.47	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0831 EA 1/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.65	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0832 EA 1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.09	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0833 5/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0834 EA 5/16" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.40	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0835 EA 5/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.47	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0836 EA 5/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.61	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0837 EA 5/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.72	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0838 EA 5/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.10	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.56	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0839 EA 5/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.17	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.56	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0840 EA 5/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.53	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.56	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0841 EA 5/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.95	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0842 EA 5/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.36	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0843 EA 5/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.56	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0844 EA 5/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.35	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0845 EA 5/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.37	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0846	EA		5/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.68	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.65	
			<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0847	EA		5/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.62	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0848			3/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0849	EA		3/8" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.58	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.52	
			<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0850	EA		3/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.66	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.52	
			<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0851	EA		3/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.88	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.52	
			<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0852	EA		3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.16	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.52	
			<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0853	EA		3/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.47	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.56	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0854	EA		3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.69	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.56	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0855	EA		3/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.99	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.56	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0856	EA		3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.42	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.61	
			<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0857	EA		3/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.77	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.61	
			<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0858	EA		3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.53	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.61	
			<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0859	EA		3/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.79	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.65	
			<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0860	EA		3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.42	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.65	
			<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0861	EA		3/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.76	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.65	
			<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0862	EA		3/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.27	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0863	EA		3/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.46	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0864	EA		3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.80	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0865			7/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0866	EA		7/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.16	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0867 EA 7/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.25	
For >100 To 250, Deduct	-1.39	
For >250 To 500, Deduct	-1.74	
For >500, Deduct	-2.09	
05 05 23 00-0868 EA 7/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.61	
For >100 To 250, Deduct	-1.39	
For >250 To 500, Deduct	-1.74	
For >500, Deduct	-2.09	
05 05 23 00-0869 EA 7/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.99	
For >100 To 250, Deduct	-1.42	
For >250 To 500, Deduct	-1.78	
For >500, Deduct	-2.14	
05 05 23 00-0870 EA 7/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.42	
For >100 To 250, Deduct	-1.42	
For >250 To 500, Deduct	-1.78	
For >500, Deduct	-2.14	
05 05 23 00-0871 EA 7/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.13	
For >100 To 250, Deduct	-1.42	
For >250 To 500, Deduct	-1.78	
For >500, Deduct	-2.14	
05 05 23 00-0872 EA 7/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.63	
For >100 To 250, Deduct	-1.46	
For >250 To 500, Deduct	-1.83	
For >500, Deduct	-2.19	
05 05 23 00-0873 EA 7/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.46	
For >100 To 250, Deduct	-1.46	
For >250 To 500, Deduct	-1.83	
For >500, Deduct	-2.19	
05 05 23 00-0874 EA 7/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.83	
For >100 To 250, Deduct	-1.46	
For >250 To 500, Deduct	-1.83	
For >500, Deduct	-2.19	
05 05 23 00-0875 EA 7/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.14	
For >100 To 250, Deduct	-1.49	
For >250 To 500, Deduct	-1.87	
For >500, Deduct	-2.24	
05 05 23 00-0876 EA 7/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.41	
For >100 To 250, Deduct	-1.49	
For >250 To 500, Deduct	-1.87	
For >500, Deduct	-2.24	
05 05 23 00-0877 EA 7/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.58	
For >100 To 250, Deduct	-1.49	
For >250 To 500, Deduct	-1.87	
For >500, Deduct	-2.24	
05 05 23 00-0878 EA 7/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.90	
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-1.91	
For >500, Deduct	-2.29	
05 05 23 00-0879 1/2" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>	8.15	
05 05 23 00-0880 EA 1/2" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.15	
For >100 To 250, Deduct	-1.39	
For >250 To 500, Deduct	-1.74	
For >500, Deduct	-2.09	
05 05 23 00-0881 EA 1/2" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.25	
For >100 To 250, Deduct	-1.39	
For >250 To 500, Deduct	-1.74	
For >500, Deduct	-2.09	
05 05 23 00-0882 EA 1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.81	
For >100 To 250, Deduct	-1.39	
For >250 To 500, Deduct	-1.74	
For >500, Deduct	-2.09	
05 05 23 00-0883 EA 1/2" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.20	
For >100 To 250, Deduct	-1.42	
For >250 To 500, Deduct	-1.78	
For >500, Deduct	-2.14	
05 05 23 00-0884 EA 1/2" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.71	
For >100 To 250, Deduct	-1.42	
For >250 To 500, Deduct	-1.78	
For >500, Deduct	-2.14	
05 05 23 00-0885 EA 1/2" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.98	
For >100 To 250, Deduct	-1.42	
For >250 To 500, Deduct	-1.78	
For >500, Deduct	-2.14	
05 05 23 00-0886 EA 1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.50	
For >100 To 250, Deduct	-1.46	
For >250 To 500, Deduct	-1.83	
For >500, Deduct	-2.19	
05 05 23 00-0887 EA 1/2" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.74	
For >100 To 250, Deduct	-1.46	
For >250 To 500, Deduct	-1.83	
For >500, Deduct	-2.19	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0888	EA	1/2"	Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.07	
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.19	
05 05 23 00-0889	EA	1/2"	Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.61	
			<i>For >100 To 250, Deduct</i>	-1.49	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0890	EA	1/2"	Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.21	
			<i>For >100 To 250, Deduct</i>	-1.49	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0891	EA	1/2"	Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.89	
			<i>For >100 To 250, Deduct</i>	-1.49	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0892	EA	1/2"	Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.07	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0893	EA	1/2"	Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.47	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0894	EA	1/2"	Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.11	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.29	
05 05 23 00-0895	EA	1/2"	Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.41	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0896	EA	1/2"	Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.66	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0897	EA	1/2"	Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.43	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0898	EA	1/2"	Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.19	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0899			9/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0900	EA	9/16"	Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.07	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0901	EA	9/16"	Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.23	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0902	EA	9/16"	Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.26	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0903	EA	9/16"	Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.84	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.14	
05 05 23 00-0904	EA	9/16"	Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.56	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.14	
05 05 23 00-0905	EA	9/16"	Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.82	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.14	
05 05 23 00-0906	EA	9/16"	Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.85	
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.19	
05 05 23 00-0907	EA	9/16"	Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.13	
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.19	
05 05 23 00-0908	EA	9/16"	Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.80	
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0909 EA 9/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.21	
<i>For >100 To 250, Deduct</i>	-1.49	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0910 EA 9/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.64	
<i>For >100 To 250, Deduct</i>	-1.49	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0911 5/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0915)</small>		
05 05 23 00-0912 EA 5/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.99	
<i>For >100 To 250, Deduct</i>	-1.56	
<i>For >250 To 500, Deduct</i>	-1.95	
<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0913 EA 5/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.26	
<i>For >100 To 250, Deduct</i>	-1.56	
<i>For >250 To 500, Deduct</i>	-1.95	
<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0914 EA 5/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.37	
<i>For >100 To 250, Deduct</i>	-1.56	
<i>For >250 To 500, Deduct</i>	-1.95	
<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0915 EA 5/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.73	
<i>For >100 To 250, Deduct</i>	-1.60	
<i>For >250 To 500, Deduct</i>	-2.00	
<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0916 EA 5/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.26	
<i>For >100 To 250, Deduct</i>	-1.60	
<i>For >250 To 500, Deduct</i>	-2.00	
<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0917 EA 5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.01	
<i>For >100 To 250, Deduct</i>	-1.60	
<i>For >250 To 500, Deduct</i>	-2.00	
<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0918 EA 5/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.12	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.04	
<i>For >500, Deduct</i>	-2.45	
05 05 23 00-0919 EA 5/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.13	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.04	
<i>For >500, Deduct</i>	-2.45	
05 05 23 00-0920 EA 5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.98	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.04	
<i>For >500, Deduct</i>	-2.45	
05 05 23 00-0921 EA 5/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.62	
<i>For >100 To 250, Deduct</i>	-1.67	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0922 EA 5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.39	
<i>For >100 To 250, Deduct</i>	-1.67	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0923 EA 5/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.17	
<i>For >100 To 250, Deduct</i>	-1.67	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0924 EA 5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.86	
<i>For >100 To 250, Deduct</i>	-1.70	
<i>For >250 To 500, Deduct</i>	-2.13	
<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0925 EA 5/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.12	
<i>For >100 To 250, Deduct</i>	-1.70	
<i>For >250 To 500, Deduct</i>	-2.13	
<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0926 EA 5/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.69	
<i>For >100 To 250, Deduct</i>	-1.70	
<i>For >250 To 500, Deduct</i>	-2.13	
<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0927 EA 5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.20	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.17	
<i>For >500, Deduct</i>	-2.60	
05 05 23 00-0928 EA 5/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.94	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.17	
<i>For >500, Deduct</i>	-2.60	
05 05 23 00-0929 EA 5/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	29.25	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.17	
<i>For >500, Deduct</i>	-2.60	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0930	EA		5/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.61	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.17	
			<i>For >500, Deduct</i>	-2.60	
05 05 23 00-0931			3/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0932	EA		3/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.20	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0933	EA		3/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.72	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0934	EA		3/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.40	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0935	EA		3/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.32	
			<i>For >100 To 250, Deduct</i>	-1.60	
			<i>For >250 To 500, Deduct</i>	-2.00	
			<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0936	EA		3/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.07	
			<i>For >100 To 250, Deduct</i>	-1.60	
			<i>For >250 To 500, Deduct</i>	-2.00	
			<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0937	EA		3/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.34	
			<i>For >100 To 250, Deduct</i>	-1.60	
			<i>For >250 To 500, Deduct</i>	-2.00	
			<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0938	EA		3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.27	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.04	
			<i>For >500, Deduct</i>	-2.45	
05 05 23 00-0939	EA		3/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.44	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.04	
			<i>For >500, Deduct</i>	-2.45	
05 05 23 00-0940	EA		3/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.39	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.04	
			<i>For >500, Deduct</i>	-2.45	
05 05 23 00-0941	EA		3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.53	
			<i>For >100 To 250, Deduct</i>	-1.67	
			<i>For >250 To 500, Deduct</i>	-2.08	
			<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0942	EA		3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.63	
			<i>For >100 To 250, Deduct</i>	-1.67	
			<i>For >250 To 500, Deduct</i>	-2.08	
			<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0943	EA		3/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.69	
			<i>For >100 To 250, Deduct</i>	-1.67	
			<i>For >250 To 500, Deduct</i>	-2.08	
			<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0944	EA		3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.34	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.13	
			<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0945	EA		3/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.09	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.13	
			<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0946	EA		3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.82	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.13	
			<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0947	EA		3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	34.18	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.17	
			<i>For >500, Deduct</i>	-2.60	
05 05 23 00-0948	EA		3/4" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	34.77	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.17	
			<i>For >500, Deduct</i>	-2.60	
05 05 23 00-0949	EA		3/4" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	36.36	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.17	
			<i>For >500, Deduct</i>	-2.60	
05 05 23 00-0950	EA		3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	37.59	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.17	
			<i>For >500, Deduct</i>	-2.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0951 7/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0952 EA 7/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.32	
For >100 To 250, Deduct	-1.74	
For >250 To 500, Deduct	-2.17	
For >500, Deduct	-2.60	
05 05 23 00-0953 EA 7/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.61	
For >100 To 250, Deduct	-1.74	
For >250 To 500, Deduct	-2.17	
For >500, Deduct	-2.60	
05 05 23 00-0954 EA 7/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.78	
For >100 To 250, Deduct	-1.77	
For >250 To 500, Deduct	-2.22	
For >500, Deduct	-2.66	
05 05 23 00-0955 EA 7/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.09	
For >100 To 250, Deduct	-1.77	
For >250 To 500, Deduct	-2.22	
For >500, Deduct	-2.66	
05 05 23 00-0956 EA 7/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.52	
For >100 To 250, Deduct	-1.77	
For >250 To 500, Deduct	-2.22	
For >500, Deduct	-2.66	
05 05 23 00-0957 EA 7/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.76	
For >100 To 250, Deduct	-1.81	
For >250 To 500, Deduct	-2.26	
For >500, Deduct	-2.71	
05 05 23 00-0958 EA 7/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.18	
For >100 To 250, Deduct	-1.81	
For >250 To 500, Deduct	-2.26	
For >500, Deduct	-2.71	
05 05 23 00-0959 EA 7/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.03	
For >100 To 250, Deduct	-1.81	
For >250 To 500, Deduct	-2.26	
For >500, Deduct	-2.71	
05 05 23 00-0960 EA 7/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.64	
For >100 To 250, Deduct	-1.84	
For >250 To 500, Deduct	-2.30	
For >500, Deduct	-2.76	
05 05 23 00-0961 EA 7/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.74	
For >100 To 250, Deduct	-1.84	
For >250 To 500, Deduct	-2.30	
For >500, Deduct	-2.76	
05 05 23 00-0962 EA 7/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	31.78	
For >100 To 250, Deduct	-1.84	
For >250 To 500, Deduct	-2.30	
For >500, Deduct	-2.76	
05 05 23 00-0963 EA 7/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	34.27	
For >100 To 250, Deduct	-1.88	
For >250 To 500, Deduct	-2.35	
For >500, Deduct	-2.81	
05 05 23 00-0964 EA 7/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	36.98	
For >100 To 250, Deduct	-1.88	
For >250 To 500, Deduct	-2.35	
For >500, Deduct	-2.81	
05 05 23 00-0965 EA 7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	39.16	
For >100 To 250, Deduct	-1.88	
For >250 To 500, Deduct	-2.35	
For >500, Deduct	-2.81	
05 05 23 00-0966 EA 7/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	45.97	
For >100 To 250, Deduct	-1.91	
For >250 To 500, Deduct	-2.39	
For >500, Deduct	-2.87	
05 05 23 00-0967 EA 7/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	51.28	
For >100 To 250, Deduct	-1.91	
For >250 To 500, Deduct	-2.39	
For >500, Deduct	-2.87	
05 05 23 00-0968 EA 7/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	53.74	
For >100 To 250, Deduct	-1.91	
For >250 To 500, Deduct	-2.39	
For >500, Deduct	-2.87	
05 05 23 00-0969 EA 7/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	56.19	
For >100 To 250, Deduct	-1.91	
For >250 To 500, Deduct	-2.39	
For >500, Deduct	-2.87	
05 05 23 00-0970 1" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0971 EA 1" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.45	
For >100 To 250, Deduct	-1.74	
For >250 To 500, Deduct	-2.17	
For >500, Deduct	-2.60	
05 05 23 00-0972 EA 1" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.40	
For >100 To 250, Deduct	-1.74	
For >250 To 500, Deduct	-2.17	
For >500, Deduct	-2.60	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0973 EA 1" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.98	
For >100 To 250, Deduct	-1.77	
For >250 To 500, Deduct	-2.22	
For >500, Deduct	-2.66	
05 05 23 00-0974 EA 1" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.17	
For >100 To 250, Deduct	-1.77	
For >250 To 500, Deduct	-2.22	
For >500, Deduct	-2.66	
05 05 23 00-0975 EA 1" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.12	
For >100 To 250, Deduct	-1.77	
For >250 To 500, Deduct	-2.22	
For >500, Deduct	-2.66	
05 05 23 00-0976 EA 1" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.48	
For >100 To 250, Deduct	-1.81	
For >250 To 500, Deduct	-2.26	
For >500, Deduct	-2.71	
05 05 23 00-0977 EA 1" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.84	
For >100 To 250, Deduct	-1.81	
For >250 To 500, Deduct	-2.26	
For >500, Deduct	-2.71	
05 05 23 00-0978 EA 1" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	29.85	
For >100 To 250, Deduct	-1.81	
For >250 To 500, Deduct	-2.26	
For >500, Deduct	-2.71	
05 05 23 00-0979 EA 1" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	31.92	
For >100 To 250, Deduct	-1.84	
For >250 To 500, Deduct	-2.30	
For >500, Deduct	-2.76	
05 05 23 00-0980 EA 1" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	32.03	
For >100 To 250, Deduct	-1.84	
For >250 To 500, Deduct	-2.30	
For >500, Deduct	-2.76	
05 05 23 00-0981 EA 1" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	37.43	
For >100 To 250, Deduct	-1.84	
For >250 To 500, Deduct	-2.30	
For >500, Deduct	-2.76	
05 05 23 00-0982 EA 1" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	44.43	
For >100 To 250, Deduct	-1.88	
For >250 To 500, Deduct	-2.35	
For >500, Deduct	-2.81	
05 05 23 00-0983 EA 1" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	45.44	
For >100 To 250, Deduct	-1.88	
For >250 To 500, Deduct	-2.35	
For >500, Deduct	-2.81	
05 05 23 00-0984 EA 1" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	46.46	
For >100 To 250, Deduct	-1.88	
For >250 To 500, Deduct	-2.35	
For >500, Deduct	-2.81	
05 05 23 00-0985 EA 1" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	48.66	
For >100 To 250, Deduct	-1.91	
For >250 To 500, Deduct	-2.39	
For >500, Deduct	-2.87	
05 05 23 00-0986 EA 1" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	51.78	
For >100 To 250, Deduct	-1.91	
For >250 To 500, Deduct	-2.39	
For >500, Deduct	-2.87	
05 05 23 00-0987 EA 1" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	65.93	
For >100 To 250, Deduct	-1.91	
For >250 To 500, Deduct	-2.39	
For >500, Deduct	-2.87	
05 05 23 00-0988 EA 1" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	82.41	
For >100 To 250, Deduct	-1.91	
For >250 To 500, Deduct	-2.39	
For >500, Deduct	-2.87	
05 05 23 00-0989 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0997)		
05 05 23 00-0990 1/4" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-0991 EA 1/4" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.41	
For >100 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-1.52	
For >500, Deduct	-1.82	
05 05 23 00-0992 EA 1/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	6.56	
For >100 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-1.52	
For >500, Deduct	-1.82	
05 05 23 00-0993 EA 1/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.67	
For >100 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-1.52	
For >500, Deduct	-1.82	
05 05 23 00-0994 EA 1/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	6.74	
For >100 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-1.52	
For >500, Deduct	-1.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0995 EA 1/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.12	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.56	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0996 EA 1/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	7.32	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.56	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0997 EA 1/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.51	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.56	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0998 EA 1/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	7.83	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0999 EA 1/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.99	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-1000 EA 1/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	8.07	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-1001 EA 1/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.73	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-1002 EA 1/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	8.87	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-1003 EA 1/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.82	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-1004 EA 1/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	20.02	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-1005 EA 1/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	33.24	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-1006 EA 1/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	36.26	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-1007 5/16" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0989)</small>	6.61	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-1009 EA 5/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	6.78	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-1010 EA 5/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.06	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-1011 EA 5/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	7.28	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-1012 EA 5/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.54	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.56	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-1013 EA 5/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	7.98	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.56	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-1014 EA 5/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.28	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.56	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-1015 EA 5/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	8.58	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1016	EA		5/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.23	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.61	
			<i>For >500, Deduct</i>	-1.93	
05 05 23 00-1017	EA		5/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	9.37	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.61	
			<i>For >500, Deduct</i>	-1.93	
05 05 23 00-1018	EA		5/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.99	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.65	
			<i>For >500, Deduct</i>	-1.98	
05 05 23 00-1019	EA		5/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	10.50	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.65	
			<i>For >500, Deduct</i>	-1.98	
05 05 23 00-1020	EA		5/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	14.72	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.65	
			<i>For >500, Deduct</i>	-1.98	
05 05 23 00-1021	EA		5/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	20.90	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.03	
05 05 23 00-1022			3/8" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0989)</small>		
05 05 23 00-1023	EA		3/8" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	7.06	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.52	
			<i>For >500, Deduct</i>	-1.82	
05 05 23 00-1024	EA		3/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	7.13	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.52	
			<i>For >500, Deduct</i>	-1.82	
05 05 23 00-1025	EA		3/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.39	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.52	
			<i>For >500, Deduct</i>	-1.82	
05 05 23 00-1026	EA		3/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	8.02	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.52	
			<i>For >500, Deduct</i>	-1.82	
05 05 23 00-1027	EA		3/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.41	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.56	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-1028	EA		3/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	8.53	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.56	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-1029	EA		3/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.07	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.56	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-1030	EA		3/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	9.33	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.61	
			<i>For >500, Deduct</i>	-1.93	
05 05 23 00-1031	EA		3/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.67	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.61	
			<i>For >500, Deduct</i>	-1.93	
05 05 23 00-1032	EA		3/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	9.90	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.61	
			<i>For >500, Deduct</i>	-1.93	
05 05 23 00-1033	EA		3/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.84	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.65	
			<i>For >500, Deduct</i>	-1.98	
05 05 23 00-1034	EA		3/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	11.76	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.65	
			<i>For >500, Deduct</i>	-1.98	
05 05 23 00-1035	EA		3/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.80	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.65	
			<i>For >500, Deduct</i>	-1.98	
05 05 23 00-1036	EA		3/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	14.34	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1037 EA 3/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.16	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-1038 EA 3/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	22.28	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-1039 7/16" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0989)</small>		
05 05 23 00-1040 EA 7/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	8.98	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-1041 EA 7/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.38	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-1042 EA 7/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	10.12	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-1043 EA 7/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.93	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.78	
<i>For >500, Deduct</i>	-2.14	
05 05 23 00-1044 EA 7/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	11.64	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.78	
<i>For >500, Deduct</i>	-2.14	
05 05 23 00-1045 EA 7/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.81	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.78	
<i>For >500, Deduct</i>	-2.14	
05 05 23 00-1046 EA 7/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	14.11	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.19	
05 05 23 00-1047 EA 7/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	14.31	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.19	
05 05 23 00-1048 EA 7/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	14.74	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.19	
05 05 23 00-1049 EA 7/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.19	
<i>For >100 To 250, Deduct</i>	-1.49	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-1050 EA 7/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	15.49	
<i>For >100 To 250, Deduct</i>	-1.49	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-1051 EA 7/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.80	
<i>For >100 To 250, Deduct</i>	-1.49	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-1052 EA 7/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	16.21	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.29	
05 05 23 00-1053 1/2" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0989)</small>		
05 05 23 00-1054 EA 1/2" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	8.96	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-1055 EA 1/2" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.39	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-1056 EA 1/2" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	9.99	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-1057 EA 1/2" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.87	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.78	
<i>For >500, Deduct</i>	-2.14	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1058 EA 1/2" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	11.53	
For >100 To 250, Deduct	-1.42	
For >250 To 500, Deduct	-1.78	
For >500, Deduct	-2.14	
05 05 23 00-1059 EA 1/2" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.69	
For >100 To 250, Deduct	-1.42	
For >250 To 500, Deduct	-1.78	
For >500, Deduct	-2.14	
05 05 23 00-1060 EA 1/2" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	12.15	
For >100 To 250, Deduct	-1.46	
For >250 To 500, Deduct	-1.83	
For >500, Deduct	-2.19	
05 05 23 00-1061 EA 1/2" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.42	
For >100 To 250, Deduct	-1.46	
For >250 To 500, Deduct	-1.83	
For >500, Deduct	-2.19	
05 05 23 00-1062 EA 1/2" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	16.00	
For >100 To 250, Deduct	-1.46	
For >250 To 500, Deduct	-1.83	
For >500, Deduct	-2.19	
05 05 23 00-1063 EA 1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	16.36	
For >100 To 250, Deduct	-1.49	
For >250 To 500, Deduct	-1.87	
For >500, Deduct	-2.24	
05 05 23 00-1064 EA 1/2" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	16.76	
For >100 To 250, Deduct	-1.49	
For >250 To 500, Deduct	-1.87	
For >500, Deduct	-2.24	
05 05 23 00-1065 EA 1/2" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	19.95	
For >100 To 250, Deduct	-1.49	
For >250 To 500, Deduct	-1.87	
For >500, Deduct	-2.24	
05 05 23 00-1066 EA 1/2" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	22.26	
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-1.91	
For >500, Deduct	-2.29	
05 05 23 00-1067 EA 1/2" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	23.64	
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-1.91	
For >500, Deduct	-2.29	
05 05 23 00-1068 EA 1/2" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	25.92	
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-1.91	
For >500, Deduct	-2.29	
05 05 23 00-1069 EA 1/2" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	32.14	
For >100 To 250, Deduct	-1.56	
For >250 To 500, Deduct	-1.95	
For >500, Deduct	-2.34	
05 05 23 00-1070 EA 1/2" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	36.04	
For >100 To 250, Deduct	-1.56	
For >250 To 500, Deduct	-1.95	
For >500, Deduct	-2.34	
05 05 23 00-1071 EA 1/2" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	36.68	
For >100 To 250, Deduct	-1.56	
For >250 To 500, Deduct	-1.95	
For >500, Deduct	-2.34	
05 05 23 00-1072 EA 1/2" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	37.67	
For >100 To 250, Deduct	-1.56	
For >250 To 500, Deduct	-1.95	
For >500, Deduct	-2.34	
05 05 23 00-1073 9/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0988)		
05 05 23 00-1074 EA 9/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	19.65	
For >100 To 250, Deduct	-1.39	
For >250 To 500, Deduct	-1.74	
For >500, Deduct	-2.09	
05 05 23 00-1075 EA 9/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	21.05	
For >100 To 250, Deduct	-1.39	
For >250 To 500, Deduct	-1.74	
For >500, Deduct	-2.09	
05 05 23 00-1076 EA 9/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	25.74	
For >100 To 250, Deduct	-1.39	
For >250 To 500, Deduct	-1.74	
For >500, Deduct	-2.09	
05 05 23 00-1077 EA 9/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	28.54	
For >100 To 250, Deduct	-1.42	
For >250 To 500, Deduct	-1.78	
For >500, Deduct	-2.14	
05 05 23 00-1078 EA 9/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	31.32	
For >100 To 250, Deduct	-1.42	
For >250 To 500, Deduct	-1.78	
For >500, Deduct	-2.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1079 EA 9/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	34.09	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.78	
<i>For >500, Deduct</i>	-2.14	
05 05 23 00-1080 EA 9/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	36.00	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.19	
05 05 23 00-1081 EA 9/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	38.28	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.19	
05 05 23 00-1082 EA 9/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	40.31	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.19	
05 05 23 00-1083 EA 9/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	41.09	
<i>For >100 To 250, Deduct</i>	-1.49	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-1084 EA 9/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	42.88	
<i>For >100 To 250, Deduct</i>	-1.49	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-1085 5/8" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1086 EA 5/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	12.00	
<i>For >100 To 250, Deduct</i>	-1.56	
<i>For >250 To 500, Deduct</i>	-1.95	
<i>For >500, Deduct</i>	-2.34	
05 05 23 00-1087 EA 5/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.12	
<i>For >100 To 250, Deduct</i>	-1.56	
<i>For >250 To 500, Deduct</i>	-1.95	
<i>For >500, Deduct</i>	-2.34	
05 05 23 00-1088 EA 5/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	12.16	
<i>For >100 To 250, Deduct</i>	-1.56	
<i>For >250 To 500, Deduct</i>	-1.95	
<i>For >500, Deduct</i>	-2.34	
05 05 23 00-1089 EA 5/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.14	
<i>For >100 To 250, Deduct</i>	-1.60	
<i>For >250 To 500, Deduct</i>	-2.00	
<i>For >500, Deduct</i>	-2.40	
05 05 23 00-1090 EA 5/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	13.96	
<i>For >100 To 250, Deduct</i>	-1.60	
<i>For >250 To 500, Deduct</i>	-2.00	
<i>For >500, Deduct</i>	-2.40	
05 05 23 00-1091 EA 5/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	16.57	
<i>For >100 To 250, Deduct</i>	-1.60	
<i>For >250 To 500, Deduct</i>	-2.00	
<i>For >500, Deduct</i>	-2.40	
05 05 23 00-1092 EA 5/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	17.29	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.04	
<i>For >500, Deduct</i>	-2.45	
05 05 23 00-1093 EA 5/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	19.58	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.04	
<i>For >500, Deduct</i>	-2.45	
05 05 23 00-1094 EA 5/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	20.37	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.04	
<i>For >500, Deduct</i>	-2.45	
05 05 23 00-1095 EA 5/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	22.04	
<i>For >100 To 250, Deduct</i>	-1.67	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.50	
05 05 23 00-1096 EA 5/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	22.69	
<i>For >100 To 250, Deduct</i>	-1.67	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.50	
05 05 23 00-1097 EA 5/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	26.70	
<i>For >100 To 250, Deduct</i>	-1.67	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.50	
05 05 23 00-1098 EA 5/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	28.31	
<i>For >100 To 250, Deduct</i>	-1.70	
<i>For >250 To 500, Deduct</i>	-2.13	
<i>For >500, Deduct</i>	-2.55	
05 05 23 00-1099 EA 5/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	28.82	
<i>For >100 To 250, Deduct</i>	-1.70	
<i>For >250 To 500, Deduct</i>	-2.13	
<i>For >500, Deduct</i>	-2.55	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1100	EA		5/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	30.69	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.13	
			<i>For >500, Deduct</i>	-2.55	
05 05 23 00-1101	EA		5/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	32.55	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.17	
			<i>For >500, Deduct</i>	-2.60	
05 05 23 00-1102	EA		5/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	34.14	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.17	
			<i>For >500, Deduct</i>	-2.60	
05 05 23 00-1103	EA		5/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	41.69	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.17	
			<i>For >500, Deduct</i>	-2.60	
05 05 23 00-1104	EA		5/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	49.77	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.17	
			<i>For >500, Deduct</i>	-2.60	
05 05 23 00-1105			3/4" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0989)</small>		
05 05 23 00-1106	EA		3/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	15.17	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-1107	EA		3/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.46	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-1108	EA		3/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	16.55	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-1109	EA		3/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	17.68	
			<i>For >100 To 250, Deduct</i>	-1.60	
			<i>For >250 To 500, Deduct</i>	-2.00	
			<i>For >500, Deduct</i>	-2.40	
05 05 23 00-1110	EA		3/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	19.71	
			<i>For >100 To 250, Deduct</i>	-1.60	
			<i>For >250 To 500, Deduct</i>	-2.00	
			<i>For >500, Deduct</i>	-2.40	
05 05 23 00-1111	EA		3/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	20.89	
			<i>For >100 To 250, Deduct</i>	-1.60	
			<i>For >250 To 500, Deduct</i>	-2.00	
			<i>For >500, Deduct</i>	-2.40	
05 05 23 00-1112	EA		3/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	23.57	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.04	
			<i>For >500, Deduct</i>	-2.45	
05 05 23 00-1113	EA		3/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.61	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.04	
			<i>For >500, Deduct</i>	-2.45	
05 05 23 00-1114	EA		3/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	25.17	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.04	
			<i>For >500, Deduct</i>	-2.45	
05 05 23 00-1115	EA		3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	26.11	
			<i>For >100 To 250, Deduct</i>	-1.67	
			<i>For >250 To 500, Deduct</i>	-2.08	
			<i>For >500, Deduct</i>	-2.50	
05 05 23 00-1116	EA		3/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	27.41	
			<i>For >100 To 250, Deduct</i>	-1.67	
			<i>For >250 To 500, Deduct</i>	-2.08	
			<i>For >500, Deduct</i>	-2.50	
05 05 23 00-1117	EA		3/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	31.41	
			<i>For >100 To 250, Deduct</i>	-1.67	
			<i>For >250 To 500, Deduct</i>	-2.08	
			<i>For >500, Deduct</i>	-2.50	
05 05 23 00-1118	EA		3/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	37.37	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.13	
			<i>For >500, Deduct</i>	-2.55	
05 05 23 00-1119	EA		3/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	41.88	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.13	
			<i>For >500, Deduct</i>	-2.55	
05 05 23 00-1120	EA		3/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	42.56	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.13	
			<i>For >500, Deduct</i>	-2.55	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1121	EA			3/4" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt 45.45 <i>For >100 To 250, Deduct</i> -1.74 <i>For >250 To 500, Deduct</i> -2.17 <i>For >500, Deduct</i> -2.60		
05 05 23 00-1122	EA			3/4" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt 52.29 <i>For >100 To 250, Deduct</i> -1.74 <i>For >250 To 500, Deduct</i> -2.17 <i>For >500, Deduct</i> -2.60		
05 05 23 00-1123	EA			3/4" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt 52.87 <i>For >100 To 250, Deduct</i> -1.74 <i>For >250 To 500, Deduct</i> -2.17 <i>For >500, Deduct</i> -2.60		
05 05 23 00-1124	EA			3/4" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt 54.31 <i>For >100 To 250, Deduct</i> -1.74 <i>For >250 To 500, Deduct</i> -2.17 <i>For >500, Deduct</i> -2.60		
05 05 23 00-1125 7/8" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0999)						
05 05 23 00-1126	EA			7/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt 17.08 <i>For >100 To 250, Deduct</i> -1.74 <i>For >250 To 500, Deduct</i> -2.17 <i>For >500, Deduct</i> -2.60		
05 05 23 00-1127	EA			7/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt 18.96 <i>For >100 To 250, Deduct</i> -1.74 <i>For >250 To 500, Deduct</i> -2.17 <i>For >500, Deduct</i> -2.60		
05 05 23 00-1128	EA			7/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt 20.17 <i>For >100 To 250, Deduct</i> -1.77 <i>For >250 To 500, Deduct</i> -2.22 <i>For >500, Deduct</i> -2.66		
05 05 23 00-1129	EA			7/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt 22.80 <i>For >100 To 250, Deduct</i> -1.77 <i>For >250 To 500, Deduct</i> -2.22 <i>For >500, Deduct</i> -2.66		
05 05 23 00-1130	EA			7/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt 23.98 <i>For >100 To 250, Deduct</i> -1.77 <i>For >250 To 500, Deduct</i> -2.22 <i>For >500, Deduct</i> -2.66		
05 05 23 00-1131	EA			7/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt 25.18 <i>For >100 To 250, Deduct</i> -1.81 <i>For >250 To 500, Deduct</i> -2.26 <i>For >500, Deduct</i> -2.71		
05 05 23 00-1132	EA			7/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt 26.78 <i>For >100 To 250, Deduct</i> -1.81 <i>For >250 To 500, Deduct</i> -2.26 <i>For >500, Deduct</i> -2.71		
05 05 23 00-1133	EA			7/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt 30.36 <i>For >100 To 250, Deduct</i> -1.81 <i>For >250 To 500, Deduct</i> -2.26 <i>For >500, Deduct</i> -2.71		
05 05 23 00-1134	EA			7/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt 30.63 <i>For >100 To 250, Deduct</i> -1.84 <i>For >250 To 500, Deduct</i> -2.30 <i>For >500, Deduct</i> -2.76		
05 05 23 00-1135	EA			7/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt 31.82 <i>For >100 To 250, Deduct</i> -1.84 <i>For >250 To 500, Deduct</i> -2.30 <i>For >500, Deduct</i> -2.76		
05 05 23 00-1136	EA			7/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt 41.86 <i>For >100 To 250, Deduct</i> -1.84 <i>For >250 To 500, Deduct</i> -2.30 <i>For >500, Deduct</i> -2.76		
05 05 23 00-1137	EA			7/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt 46.46 <i>For >100 To 250, Deduct</i> -1.88 <i>For >250 To 500, Deduct</i> -2.35 <i>For >500, Deduct</i> -2.81		
05 05 23 00-1138	EA			7/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt 51.22 <i>For >100 To 250, Deduct</i> -1.88 <i>For >250 To 500, Deduct</i> -2.35 <i>For >500, Deduct</i> -2.81		
05 05 23 00-1139	EA			7/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt 53.57 <i>For >100 To 250, Deduct</i> -1.88 <i>For >250 To 500, Deduct</i> -2.35 <i>For >500, Deduct</i> -2.81		
05 05 23 00-1140	EA			7/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt 56.78 <i>For >100 To 250, Deduct</i> -1.91 <i>For >250 To 500, Deduct</i> -2.39 <i>For >500, Deduct</i> -2.87		
05 05 23 00-1141	EA			7/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt 58.83 <i>For >100 To 250, Deduct</i> -1.91 <i>For >250 To 500, Deduct</i> -2.39 <i>For >500, Deduct</i> -2.87		

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1142 EA 7/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	60.85	
For >100 To 250, Deduct	-1.91	
For >250 To 500, Deduct	-2.39	
For >500, Deduct	-2.87	
05 05 23 00-1143 EA 7/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	63.12	
For >100 To 250, Deduct	-1.91	
For >250 To 500, Deduct	-2.39	
For >500, Deduct	-2.87	
05 05 23 00-1144 1" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1145 EA 1" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	21.22	
For >100 To 250, Deduct	-1.74	
For >250 To 500, Deduct	-2.17	
For >500, Deduct	-2.60	
05 05 23 00-1146 EA 1" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.29	
For >100 To 250, Deduct	-1.77	
For >250 To 500, Deduct	-2.22	
For >500, Deduct	-2.66	
05 05 23 00-1147 EA 1" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	26.23	
For >100 To 250, Deduct	-1.77	
For >250 To 500, Deduct	-2.22	
For >500, Deduct	-2.66	
05 05 23 00-1148 EA 1" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	29.33	
For >100 To 250, Deduct	-1.77	
For >250 To 500, Deduct	-2.22	
For >500, Deduct	-2.66	
05 05 23 00-1149 EA 1" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	30.61	
For >100 To 250, Deduct	-1.81	
For >250 To 500, Deduct	-2.26	
For >500, Deduct	-2.71	
05 05 23 00-1150 EA 1" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	32.71	
For >100 To 250, Deduct	-1.81	
For >250 To 500, Deduct	-2.26	
For >500, Deduct	-2.71	
05 05 23 00-1151 EA 1" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	34.83	
For >100 To 250, Deduct	-1.81	
For >250 To 500, Deduct	-2.26	
For >500, Deduct	-2.71	
05 05 23 00-1152 EA 1" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	37.14	
For >100 To 250, Deduct	-1.84	
For >250 To 500, Deduct	-2.30	
For >500, Deduct	-2.76	
05 05 23 00-1153 EA 1" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	42.63	
For >100 To 250, Deduct	-1.84	
For >250 To 500, Deduct	-2.30	
For >500, Deduct	-2.76	
05 05 23 00-1154 EA 1" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	48.03	
For >100 To 250, Deduct	-1.84	
For >250 To 500, Deduct	-2.30	
For >500, Deduct	-2.76	
05 05 23 00-1155 EA 1" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	55.60	
For >100 To 250, Deduct	-1.88	
For >250 To 500, Deduct	-2.35	
For >500, Deduct	-2.81	
05 05 23 00-1156 EA 1" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	61.82	
For >100 To 250, Deduct	-1.88	
For >250 To 500, Deduct	-2.35	
For >500, Deduct	-2.81	
05 05 23 00-1157 EA 1" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	62.71	
For >100 To 250, Deduct	-1.88	
For >250 To 500, Deduct	-2.35	
For >500, Deduct	-2.81	
05 05 23 00-1158 EA 1" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	64.91	
For >100 To 250, Deduct	-1.91	
For >250 To 500, Deduct	-2.39	
For >500, Deduct	-2.87	
05 05 23 00-1159 EA 1" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	65.76	
For >100 To 250, Deduct	-1.91	
For >250 To 500, Deduct	-2.39	
For >500, Deduct	-2.87	
05 05 23 00-1160 EA 1" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	76.08	
For >100 To 250, Deduct	-1.91	
For >250 To 500, Deduct	-2.39	
For >500, Deduct	-2.87	
05 05 23 00-1161 EA 1" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	86.05	
For >100 To 250, Deduct	-1.91	
For >250 To 500, Deduct	-2.39	
For >500, Deduct	-2.87	

05 05 23 00-1162 Screws (05 05 23)

05 05 23 00-1163 Tek® 5 Self Drilling Screws (05 05 23 00-1162)

Note: Screws include Climaseal® finish, self-drill point and tapping threads.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1164 EA 12-24 x 1-1/4", Hex Washer Head, Teks® 5 Self Drilling Screw.....	3.19	
For >10 To 50, Deduct	-0.15	
For >50 To 100, Deduct	-0.30	
For >100, Deduct	-0.59	
05 05 23 00-1165 EA 12-24 x 1-1/2", Hex Washer Head, Teks® 5 Self Drilling Screw.....	3.29	
For >10 To 50, Deduct	-0.15	
For >50 To 100, Deduct	-0.30	
For >100, Deduct	-0.60	
05 05 23 00-1166 EA 12-24 x 2", Hex Washer Head, Teks® 5 Self Drilling Screw.....	3.63	
For >10 To 50, Deduct	-0.15	
For >50 To 100, Deduct	-0.32	
For >100, Deduct	-0.65	
05 05 23 00-1167 EA 1/4"-28 x 3", Hex Washer Head, Teks® 5 Self Drilling Screw.....	4.88	
For >10 To 50, Deduct	-0.19	
For >50 To 100, Deduct	-0.41	
For >100, Deduct	-0.82	
05 05 23 00-1168 EA 1/4"-28 x 4", Hex Washer Head, Teks® 5 Self Drilling Screw.....	5.19	
For >10 To 50, Deduct	-0.20	
For >50 To 100, Deduct	-0.43	
For >100, Deduct	-0.87	
05 05 23 00-1169 EA 1/4"-28 x 6", Hex Washer Head, Teks® 5 Self Drilling Screw.....	6.21	
For >10 To 50, Deduct	-0.21	
For >50 To 100, Deduct	-0.47	
For >100, Deduct	-0.95	
05 05 23 00-1170 EA 1/4"-28 x 8", Hex Washer Head, Teks® 5 Self Drilling Screw.....	6.86	
For >10 To 50, Deduct	-0.22	
For >50 To 100, Deduct	-0.50	
For >100, Deduct	-1.01	
05 05 23 00-1171 Security Screws (05 05 23 00-1162)		
05 05 23 00-1172 304/18-8 Stainless Steel, Security Screws (05 05 23 00-1171)		
Note: Includes "security" style drive in machine or sheet metal screw threads.		
05 05 23 00-1173 EA #4 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screws.....	2.54	
For >10 To 50, Deduct	-0.12	
For >50 To 100, Deduct	-0.25	
For >100, Deduct	-0.49	
05 05 23 00-1174 EA #6 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.83	
For >10 To 50, Deduct	-0.12	
For >50 To 100, Deduct	-0.25	
For >100, Deduct	-0.51	
05 05 23 00-1175 EA #6 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	3.08	
For >10 To 50, Deduct	-0.12	
For >50 To 100, Deduct	-0.26	
For >100, Deduct	-0.52	
05 05 23 00-1176 EA #6 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	3.17	
For >10 To 50, Deduct	-0.12	
For >50 To 100, Deduct	-0.26	
For >100, Deduct	-0.52	
05 05 23 00-1177 EA #6 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	3.33	
For >10 To 50, Deduct	-0.12	
For >50 To 100, Deduct	-0.27	
For >100, Deduct	-0.53	
05 05 23 00-1178 EA #8 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.90	
For >10 To 50, Deduct	-0.12	
For >50 To 100, Deduct	-0.25	
For >100, Deduct	-0.51	
05 05 23 00-1179 EA #8 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	3.02	
For >10 To 50, Deduct	-0.12	
For >50 To 100, Deduct	-0.26	
For >100, Deduct	-0.52	
05 05 23 00-1180 EA #8 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	3.26	
For >10 To 50, Deduct	-0.12	
For >50 To 100, Deduct	-0.26	
For >100, Deduct	-0.53	
05 05 23 00-1181 EA #8 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	3.34	
For >10 To 50, Deduct	-0.12	
For >50 To 100, Deduct	-0.27	
For >100, Deduct	-0.53	
05 05 23 00-1182 EA #10 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.97	
For >10 To 50, Deduct	-0.12	
For >50 To 100, Deduct	-0.26	
For >100, Deduct	-0.51	
05 05 23 00-1183 EA #10 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	3.00	
For >10 To 50, Deduct	-0.12	
For >50 To 100, Deduct	-0.26	
For >100, Deduct	-0.51	
05 05 23 00-1184 EA #10 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	3.11	
For >10 To 50, Deduct	-0.12	
For >50 To 100, Deduct	-0.26	
For >100, Deduct	-0.52	
05 05 23 00-1185 EA #10 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	3.45	
For >10 To 50, Deduct	-0.12	
For >50 To 100, Deduct	-0.27	
For >100, Deduct	-0.54	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1186	EA		1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	3.17	
			<i>For >10 To 50, Deduct</i>	-0.12	
			<i>For >50 To 100, Deduct</i>	-0.26	
			<i>For >100, Deduct</i>	-0.52	
05 05 23 00-1187	EA		1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	3.24	
			<i>For >10 To 50, Deduct</i>	-0.12	
			<i>For >50 To 100, Deduct</i>	-0.26	
			<i>For >100, Deduct</i>	-0.53	
05 05 23 00-1188	EA		1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	3.57	
			<i>For >10 To 50, Deduct</i>	-0.12	
			<i>For >50 To 100, Deduct</i>	-0.27	
			<i>For >100, Deduct</i>	-0.54	
05 05 23 00-1189	EA		1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	4.08	
			<i>For >10 To 50, Deduct</i>	-0.12	
			<i>For >50 To 100, Deduct</i>	-0.28	
			<i>For >100, Deduct</i>	-0.57	
05 05 23 00-1190			Threaded Rod <small>(05 05 23)</small>		
			Note: Fully threaded. See CSI section 05 05 19 00-0169 for anchoring adhesive, 05 05 23 00-1283 for nuts and washers.		
05 05 23 00-1191			Plain Finish Steel, Low Carbon Threaded Rod <small>(05 05 23 00-1190)</small>		
05 05 23 00-1192	LF		1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	1.79	0.45
			<i>For Left Hand Threaded Rod, Add</i>	0.09	
05 05 23 00-1193	LF		5/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.34	0.49
			<i>For Left Hand Threaded Rod, Add</i>	0.14	
05 05 23 00-1194	LF		3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.72	0.56
			<i>For Left Hand Threaded Rod, Add</i>	0.16	
05 05 23 00-1195	LF		7/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.63	0.58
			<i>For Left Hand Threaded Rod, Add</i>	0.25	
05 05 23 00-1196	LF		1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.73	0.60
			<i>For Left Hand Threaded Rod, Add</i>	0.25	
05 05 23 00-1197	LF		9/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.59	0.61
			<i>For Left Hand Threaded Rod, Add</i>	0.34	
05 05 23 00-1198	LF		5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.15	0.62
			<i>For Left Hand Threaded Rod, Add</i>	0.39	
05 05 23 00-1199	LF		3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	8.39	0.63
			<i>For Left Hand Threaded Rod, Add</i>	0.71	
05 05 23 00-1200	LF		7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	9.14	0.66
			<i>For Left Hand Threaded Rod, Add</i>	0.78	
05 05 23 00-1201	LF		1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	12.47	0.74
			<i>For Left Hand Threaded Rod, Add</i>	1.10	
05 05 23 00-1202	LF		1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	15.50	0.84
			<i>For Left Hand Threaded Rod, Add</i>	1.38	
05 05 23 00-1203	LF		1-1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	20.54	0.90
			<i>For Left Hand Threaded Rod, Add</i>	1.87	
05 05 23 00-1204	LF		1-3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	25.52	0.98
			<i>For Left Hand Threaded Rod, Add</i>	2.36	
05 05 23 00-1205	LF		1-1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	30.50	1.03
			<i>For Left Hand Threaded Rod, Add</i>	2.85	
05 05 23 00-1206	LF		1-3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	37.38	1.07
			<i>For Left Hand Threaded Rod, Add</i>	3.52	
05 05 23 00-1207	LF		2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	47.70	1.13
			<i>For Left Hand Threaded Rod, Add</i>	4.55	
05 05 23 00-1208			Zinc Plated Steel, Low Carbon Threaded Rod <small>(05 05 23 00-1190)</small>		
05 05 23 00-1209	LF		1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	1.81	0.45
			<i>For Left Hand Threaded Rod, Add</i>	0.09	
05 05 23 00-1210	LF		5/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	2.64	0.49
			<i>For Left Hand Threaded Rod, Add</i>	0.17	
05 05 23 00-1211	LF		3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	2.94	0.56
			<i>For Left Hand Threaded Rod, Add</i>	0.18	
05 05 23 00-1212	LF		7/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	4.19	0.58
			<i>For Left Hand Threaded Rod, Add</i>	0.30	
05 05 23 00-1213	LF		1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	4.51	0.60
			<i>For Left Hand Threaded Rod, Add</i>	0.33	
05 05 23 00-1214	LF		9/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	5.87	0.61
			<i>For Left Hand Threaded Rod, Add</i>	0.47	
05 05 23 00-1215	LF		5/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	6.22	0.62
			<i>For Left Hand Threaded Rod, Add</i>	0.50	
05 05 23 00-1216	LF		3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	9.31	0.63
			<i>For Left Hand Threaded Rod, Add</i>	0.80	
05 05 23 00-1217	LF		7/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	12.02	0.66
			<i>For Left Hand Threaded Rod, Add</i>	1.07	
05 05 23 00-1218	LF		1" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	16.11	0.74
			<i>For Left Hand Threaded Rod, Add</i>	1.46	
05 05 23 00-1219	LF		1-1/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	20.77	0.84
			<i>For Left Hand Threaded Rod, Add</i>	1.91	
05 05 23 00-1220	LF		1-1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	24.77	0.90
			<i>For Left Hand Threaded Rod, Add</i>	2.29	
05 05 23 00-1221	LF		1-3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	28.14	0.98
			<i>For Left Hand Threaded Rod, Add</i>	2.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1222 LF 1-1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	35.40 3.34	1.03
05 05 23 00-1223 LF 1-3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	43.84 4.17	1.07
05 05 23 00-1224 LF 2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	63.88 6.16	1.13
05 05 23 00-1225 Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <small>(05 05 23 00-1190)</small>		
05 05 23 00-1226 LF 3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	4.78 0.37	0.56
05 05 23 00-1227 LF 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	6.65 0.55	0.60
05 05 23 00-1228 LF 5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	8.93 0.77	0.62
05 05 23 00-1229 LF 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	12.23 1.10	0.63
05 05 23 00-1230 LF 7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	16.88 1.56	0.66
05 05 23 00-1231 LF 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	21.77 2.03	0.74
05 05 23 00-1232 LF 1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	28.60 2.69	0.84
05 05 23 00-1233 LF 1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	37.59 3.57	0.90
05 05 23 00-1234 LF 1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	42.00 4.01	0.98
05 05 23 00-1235 LF 1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	49.97 4.79	1.03
05 05 23 00-1236 LF 1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	60.69 5.86	1.07
05 05 23 00-1237 LF 2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	105.79 10.36	1.13
05 05 23 00-1238 304/18-8 Stainless Steel Threaded Rod <small>(05 05 23 00-1190)</small>		
05 05 23 00-1239 LF 1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	2.43 0.15	0.45
05 05 23 00-1240 LF 5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	3.61 0.26	0.49
05 05 23 00-1241 LF 3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	4.63 0.35	0.56
05 05 23 00-1242 LF 7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	6.37 0.52	0.58
05 05 23 00-1243 LF 1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	7.61 0.64	0.60
05 05 23 00-1244 LF 9/16" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	10.87 0.97	0.61
05 05 23 00-1245 LF 5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	11.35 1.01	0.62
05 05 23 00-1246 LF 3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	15.83 1.46	0.63
05 05 23 00-1247 LF 7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	21.70 2.04	0.66
05 05 23 00-1248 LF 1" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	27.81 2.63	0.74
05 05 23 00-1249 LF 1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	58.69 5.68	0.90
05 05 23 00-1250 LF 1-1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	89.25 8.72	1.03
05 05 23 00-1251 LF 1-3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	91.81 8.97	1.07
05 05 23 00-1252 LF 2" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	126.93 12.47	1.13
05 05 23 00-1253 316 Stainless Steel Threaded Rod <small>(05 05 23 00-1190)</small>		
05 05 23 00-1254 LF 1/4" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	3.47 0.26	0.45
05 05 23 00-1255 LF 5/16" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	5.52 0.45	0.49
05 05 23 00-1256 LF 3/8" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	7.31 0.62	0.56
05 05 23 00-1257 LF 7/16" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	11.32 1.02	0.58
05 05 23 00-1258 LF 1/2" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	12.00 1.08	0.60
05 05 23 00-1259 LF 9/16" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	15.70 1.45	0.61
05 05 23 00-1260 LF 5/8" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	16.88 1.56	0.62
05 05 23 00-1261 LF 3/4" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	24.54 2.33	0.63

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1262 LF 7/8" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	33.53 3.22	0.66
05 05 23 00-1263 LF 1" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	42.41 4.09	0.74
05 05 23 00-1264 LF 1-1/4" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	89.34 8.75	0.90
05 05 23 00-1265 LF 1-1/2" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	117.04 11.50	1.03
05 05 23 00-1266 Plain Finish Steel, B-7 Alloy Threaded Rod (05 05 23 00-1190)		
05 05 23 00-1267 LF 1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	3.05 1.08	0.45
05 05 23 00-1268 LF 5/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	4.68 1.85	0.49
05 05 23 00-1269 LF 3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	4.90 1.89	0.56
05 05 23 00-1270 LF 7/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	5.34 2.09	0.58
05 05 23 00-1271 LF 1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	5.89 2.35	0.60
05 05 23 00-1272 LF 9/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	7.33 3.06	0.61
05 05 23 00-1273 LF 5/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	7.56 3.16	0.62
05 05 23 00-1274 LF 3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	10.02 4.37	0.63
05 05 23 00-1275 LF 7/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	11.99 5.34	0.66
05 05 23 00-1276 LF 1" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	15.55 7.03	0.74
05 05 23 00-1277 LF 1-1/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	20.20 9.27	0.84
05 05 23 00-1278 LF 1-1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	22.49 10.31	0.90
05 05 23 00-1279 LF 1-3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	25.95 12.00	0.98
05 05 23 00-1280 LF 1-1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	31.53 14.75	1.03
05 05 23 00-1281 LF 1-3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	32.60 15.23	1.07
05 05 23 00-1282 LF 2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	43.72 20.74	1.13
05 05 23 00-1283 Nuts And Washers (05 05 23)		
05 05 23 00-1284 Hex Nuts (05 05 23 00-1283)		
05 05 23 00-1285 Zinc Plated Steel, Low Carbon/Grade 2 Hex Nuts (05 05 23 00-1284)		
05 05 23 00-1286 EA 1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.54	0.24
05 05 23 00-1287 EA 5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.60	0.24
05 05 23 00-1288 EA 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.65	0.24
05 05 23 00-1289 EA 7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.75	0.24
05 05 23 00-1290 EA 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.82	0.24
05 05 23 00-1291 EA 9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.09	0.24
05 05 23 00-1292 EA 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.12	0.24
05 05 23 00-1293 EA 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.33	0.48
05 05 23 00-1294 EA 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.96	0.48
05 05 23 00-1295 EA 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	2.49	0.48
05 05 23 00-1296 EA 1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	4.09	0.48
05 05 23 00-1297 EA 1-1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	5.01	0.48
05 05 23 00-1298 EA 1-3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	7.39	0.48
05 05 23 00-1299 EA 1-1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	8.56	0.72
05 05 23 00-1300 EA 1-3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	12.59	0.72
05 05 23 00-1301 EA 2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	18.20	0.72
05 05 23 00-1302 Zinc Plated Steel, Grade 5 Hex Nuts (05 05 23 00-1284)		
05 05 23 00-1303 EA 1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.56	0.24
05 05 23 00-1304 EA 5/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.61	0.24
05 05 23 00-1305 EA 3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.67	0.24
05 05 23 00-1306 EA 7/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.78	0.24
05 05 23 00-1307 EA 1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.92	0.24
05 05 23 00-1308 EA 9/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.12	0.24
05 05 23 00-1309 EA 5/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.14	0.24
05 05 23 00-1310 EA 3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.51	0.48
05 05 23 00-1311 EA 7/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	2.14	0.48
05 05 23 00-1312 EA 1" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	3.02	0.48
05 05 23 00-1313 EA 1-1/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	4.62	0.48
05 05 23 00-1314 EA 1-1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	6.56	0.48
05 05 23 00-1315 EA 1-3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	9.64	0.48
05 05 23 00-1316 EA 1-1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	10.65	0.72



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1317	EA	1-3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	19.24	0.72
05 05 23 00-1318	EA	2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	27.61	0.72
05 05 23 00-1319 Zinc Plated Steel, Grade 8 Hex Nuts (05 05 23 00-1284)				
05 05 23 00-1320	EA	1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.57	0.24
05 05 23 00-1321	EA	5/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.65	0.24
05 05 23 00-1322	EA	3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.72	0.24
05 05 23 00-1323	EA	7/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.89	0.24
05 05 23 00-1324	EA	1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.07	0.24
05 05 23 00-1325	EA	9/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.30	0.24
05 05 23 00-1326	EA	5/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.47	0.24
05 05 23 00-1327	EA	3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.84	0.48
05 05 23 00-1328	EA	7/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	2.76	0.48
05 05 23 00-1329	EA	1" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	3.68	0.48
05 05 23 00-1330	EA	1-1/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	5.78	0.48
05 05 23 00-1331	EA	1-1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	7.23	0.48
05 05 23 00-1332	EA	1-3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	11.92	0.48
05 05 23 00-1333	EA	1-1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	12.65	0.72
05 05 23 00-1334	EA	1-3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	19.30	0.72
05 05 23 00-1335	EA	2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	27.30	0.72
05 05 23 00-1336 Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nuts (05 05 23 00-1284)				
05 05 23 00-1337	EA	1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.57	0.24
05 05 23 00-1338	EA	5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.64	0.24
05 05 23 00-1339	EA	3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.70	0.24
05 05 23 00-1340	EA	7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.87	0.24
05 05 23 00-1341	EA	1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.01	0.24
05 05 23 00-1342	EA	9/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.13	0.24
05 05 23 00-1343	EA	5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.25	0.24
05 05 23 00-1344	EA	3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.68	0.48
05 05 23 00-1345	EA	7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	2.43	0.48
05 05 23 00-1346	EA	1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	3.36	0.48
05 05 23 00-1347	EA	1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	5.59	0.48
05 05 23 00-1348	EA	1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	7.18	0.48
05 05 23 00-1349	EA	1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	10.67	0.48
05 05 23 00-1350	EA	1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	12.46	0.72
05 05 23 00-1351	EA	1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	21.74	0.72
05 05 23 00-1352	EA	2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	37.64	0.72
05 05 23 00-1353 304 Stainless Steel Hex Nuts (05 05 23 00-1284)				
05 05 23 00-1354	EA	1/4" Diameter, 304 Stainless Steel Hex Nut	0.60	0.24
05 05 23 00-1355	EA	5/16" Diameter, 304 Stainless Steel Hex Nut	0.70	0.24
05 05 23 00-1356	EA	3/8" Diameter, 304 Stainless Steel Hex Nut	0.79	0.24
05 05 23 00-1357	EA	7/16" Diameter, 304 Stainless Steel Hex Nut	1.13	0.24
05 05 23 00-1358	EA	1/2" Diameter, 304 Stainless Steel Hex Nut	1.22	0.24
05 05 23 00-1359	EA	9/16" Diameter, 304 Stainless Steel Hex Nut	1.81	0.24
05 05 23 00-1360	EA	5/8" Diameter, 304 Stainless Steel Hex Nut	2.00	0.24
05 05 23 00-1361	EA	3/4" Diameter, 304 Stainless Steel Hex Nut	2.30	0.48
05 05 23 00-1362	EA	7/8" Diameter, 304 Stainless Steel Hex Nut	3.68	0.48
05 05 23 00-1363	EA	1" Diameter, 304 Stainless Steel Hex Nut	5.60	0.48
05 05 23 00-1364	EA	1-1/4" Diameter, 304 Stainless Steel Hex Nut	13.32	0.48
05 05 23 00-1365	EA	1-1/2" Diameter, 304 Stainless Steel Hex Nut	25.45	0.72
05 05 23 00-1366	EA	1-3/4" Diameter, 304 Stainless Steel Hex Nut	44.62	0.72
05 05 23 00-1367	EA	2" Diameter, 304 Stainless Steel Hex Nut	63.52	0.72
05 05 23 00-1368 316 Stainless Steel Hex Nuts (05 05 23 00-1284)				
05 05 23 00-1369	EA	1/4" Diameter, 316 Stainless Steel Hex Nut	0.69	0.24
05 05 23 00-1370	EA	5/16" Diameter, 316 Stainless Steel Hex Nut	0.78	0.24
05 05 23 00-1371	EA	3/8" Diameter, 316 Stainless Steel Hex Nut	0.93	0.24
05 05 23 00-1372	EA	7/16" Diameter, 316 Stainless Steel Hex Nut	1.45	0.24
05 05 23 00-1373	EA	1/2" Diameter, 316 Stainless Steel Hex Nut	1.56	0.24
05 05 23 00-1374	EA	9/16" Diameter, 316 Stainless Steel Hex Nut	2.09	0.24
05 05 23 00-1375	EA	5/8" Diameter, 316 Stainless Steel Hex Nut	2.35	0.24
05 05 23 00-1376	EA	3/4" Diameter, 316 Stainless Steel Hex Nut	3.24	0.48
05 05 23 00-1377	EA	7/8" Diameter, 316 Stainless Steel Hex Nut	4.45	0.48
05 05 23 00-1378	EA	1" Diameter, 316 Stainless Steel Hex Nut	6.83	0.48
05 05 23 00-1379	EA	1-1/4" Diameter, 316 Stainless Steel Hex Nut	20.56	0.48
05 05 23 00-1380	EA	1-1/2" Diameter, 316 Stainless Steel Hex Nut	33.17	0.72
05 05 23 00-1381	EA	1-3/4" Diameter, 316 Stainless Steel Hex Nut	55.86	0.72
05 05 23 00-1382	EA	2" Diameter, 316 Stainless Steel Hex Nut	103.69	0.72
05 05 23 00-1383 Flat Washers (05 05 23 00-1283)				
05 05 23 00-1384 Zinc Plated Steel, Low Carbon Flat Washers (05 05 23 00-1383)				
05 05 23 00-1385	EA	1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.04	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-1386	EA	5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.06
05 05 23 00-1387	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.12
05 05 23 00-1388	EA	7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.18
05 05 23 00-1389	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.26
05 05 23 00-1390	EA	9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.29
05 05 23 00-1391	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.49
05 05 23 00-1392	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.71
05 05 23 00-1393	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.84
05 05 23 00-1394	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.03
05 05 23 00-1395	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.17
05 05 23 00-1396	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.40
05 05 23 00-1397	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.19
05 05 23 00-1398	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.25
05 05 23 00-1399	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	3.32
05 05 23 00-1400	EA	2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	4.13
05 05 23 00-1401 Zinc Plated Steel, Hardened Flat Washers (05 05 23 00-1383)			
05 05 23 00-1402	EA	1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.15
05 05 23 00-1403	EA	5/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.21
05 05 23 00-1404	EA	3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.24
05 05 23 00-1405	EA	7/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.32
05 05 23 00-1406	EA	1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.44
05 05 23 00-1407	EA	9/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.71
05 05 23 00-1408	EA	5/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	1.01
05 05 23 00-1409	EA	3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	1.43
05 05 23 00-1410	EA	7/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	2.38
05 05 23 00-1411	EA	1" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	2.64
05 05 23 00-1412	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	3.85
05 05 23 00-1413	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	4.20
05 05 23 00-1414	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	5.54
05 05 23 00-1415	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	6.33
05 05 23 00-1416	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	8.51
05 05 23 00-1417	EA	2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	10.21
05 05 23 00-1418 Hot Dipped Galvanized Steel Flat Washers (05 05 23 00-1383)			
05 05 23 00-1419	EA	1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.10
05 05 23 00-1420	EA	5/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.14
05 05 23 00-1421	EA	3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.16
05 05 23 00-1422	EA	7/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.30
05 05 23 00-1423	EA	1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.38
05 05 23 00-1424	EA	9/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.62
05 05 23 00-1425	EA	5/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.70
05 05 23 00-1426	EA	3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	1.06
05 05 23 00-1427	EA	7/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	1.49
05 05 23 00-1428	EA	1" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	1.63
05 05 23 00-1429	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	2.50
05 05 23 00-1430	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	2.78
05 05 23 00-1431	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	3.97
05 05 23 00-1432	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	4.30
05 05 23 00-1433	EA	1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	6.24
05 05 23 00-1434 304/18-8 Stainless Steel Flat Washers (05 05 23 00-1383)			
05 05 23 00-1435	EA	1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.10
05 05 23 00-1436	EA	5/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.13
05 05 23 00-1437	EA	3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.18
05 05 23 00-1438	EA	7/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.33
05 05 23 00-1439	EA	1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.61
05 05 23 00-1440	EA	9/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.76
05 05 23 00-1441	EA	5/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	1.12
05 05 23 00-1442	EA	3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	1.14
05 05 23 00-1443	EA	7/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	2.40
05 05 23 00-1444	EA	1" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	3.04
05 05 23 00-1445	EA	1-1/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	3.54
05 05 23 00-1446	EA	1-1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	3.81
05 05 23 00-1447	EA	1-3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	4.02
05 05 23 00-1448	EA	1-1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	4.91
05 05 23 00-1449	EA	1-3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	6.09
05 05 23 00-1450	EA	2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	11.98
05 05 23 00-1451 316 Stainless Steel Flat Washers (05 05 23 00-1383)			
05 05 23 00-1452	EA	1/4" Inside Diameter, 316 Stainless Steel Flat Washer	0.19
05 05 23 00-1453	EA	5/16" Inside Diameter, 316 Stainless Steel Flat Washer	0.20
05 05 23 00-1454	EA	3/8" Inside Diameter, 316 Stainless Steel Flat Washer	0.36
05 05 23 00-1455	EA	7/16" Inside Diameter, 316 Stainless Steel Flat Washer	0.43
05 05 23 00-1456	EA	1/2" Inside Diameter, 316 Stainless Steel Flat Washer	0.79
05 05 23 00-1457	EA	9/16" Inside Diameter, 316 Stainless Steel Flat Washer	1.42



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1458 EA 5/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	1.68	
05 05 23 00-1459 EA 3/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	2.11	
05 05 23 00-1460 EA 7/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	3.27	
05 05 23 00-1461 EA 1" Inside Diameter, 316 Stainless Steel Flat Washer.....	3.66	
05 05 23 00-1462 EA 1-1/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	4.16	
05 05 23 00-1463 EA 1-1/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	5.13	
05 05 23 00-1464 EA 1-3/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	5.42	
05 05 23 00-1465 EA 1-1/2" Inside Diameter, 316 Stainless Steel Flat Washer.....	5.55	
05 05 23 00-1466 EA 1-3/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	8.13	
05 05 23 00-1467 Lock Washers (05 05 23 00-1283)		
05 05 23 00-1468 Zinc Plated Steel, Low Carbon Lock Washers (05 05 23 00-1467)		
05 05 23 00-1469 EA 1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.02	
05 05 23 00-1470 EA 5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.03	
05 05 23 00-1471 EA 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.04	
05 05 23 00-1472 EA 7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.07	
05 05 23 00-1473 EA 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.10	
05 05 23 00-1474 EA 9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.16	
05 05 23 00-1475 EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.18	
05 05 23 00-1476 EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.28	
05 05 23 00-1477 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.47	
05 05 23 00-1478 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.84	
05 05 23 00-1479 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	1.24	
05 05 23 00-1480 EA 1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	1.89	
05 05 23 00-1481 EA 1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	2.99	
05 05 23 00-1482 EA 1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	3.53	
05 05 23 00-1483 EA 1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	6.30	
05 05 23 00-1484 EA 2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	7.09	
05 05 23 00-1485 Hot Dipped Galvanized Steel Lock Washers (05 05 23 00-1467)		
05 05 23 00-1486 EA 1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.08	
05 05 23 00-1487 EA 5/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.09	
05 05 23 00-1488 EA 3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.12	
05 05 23 00-1489 EA 7/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.13	
05 05 23 00-1490 EA 1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.21	
05 05 23 00-1491 EA 9/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.27	
05 05 23 00-1492 EA 5/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.32	
05 05 23 00-1493 EA 3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.54	
05 05 23 00-1494 EA 7/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.78	
05 05 23 00-1495 EA 1" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	1.24	
05 05 23 00-1496 EA 1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	2.23	
05 05 23 00-1497 EA 1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	2.67	
05 05 23 00-1498 EA 1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	3.85	
05 05 23 00-1499 EA 1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	4.40	
05 05 23 00-1500 EA 1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	5.96	
05 05 23 00-1501 EA 2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	8.11	
05 05 23 00-1502 304/18-8 Stainless Steel Lock Washers (05 05 23 00-1467)		
05 05 23 00-1503 EA 1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	0.08	
05 05 23 00-1504 EA 5/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	0.11	
05 05 23 00-1505 EA 3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	0.16	
05 05 23 00-1506 EA 7/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	0.29	
05 05 23 00-1507 EA 1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	0.32	
05 05 23 00-1508 EA 9/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	0.78	
05 05 23 00-1509 EA 5/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	0.92	
05 05 23 00-1510 EA 3/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	1.08	
05 05 23 00-1511 EA 7/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	1.95	
05 05 23 00-1512 EA 1" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	2.75	
05 05 23 00-1513 EA 1-1/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	4.80	
05 05 23 00-1514 EA 1-1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	6.39	
05 05 23 00-1515 EA 1-3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	8.13	
05 05 23 00-1516 EA 1-1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	9.75	
05 05 23 00-1517 316 Stainless Steel Lock Washers (05 05 23 00-1467)		
05 05 23 00-1518 EA 1/4" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.10	
05 05 23 00-1519 EA 5/16" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.21	
05 05 23 00-1520 EA 3/8" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.25	
05 05 23 00-1521 EA 7/16" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.42	
05 05 23 00-1522 EA 1/2" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.47	
05 05 23 00-1523 EA 9/16" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.84	
05 05 23 00-1524 EA 5/8" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.92	
05 05 23 00-1525 EA 3/4" Inside Diameter, 316 Stainless Steel Lock Washer.....	1.58	
05 05 23 00-1526 EA 7/8" Inside Diameter, 316 Stainless Steel Lock Washer.....	2.62	
05 05 23 00-1527 EA 1" Inside Diameter, 316 Stainless Steel Lock Washer.....	3.57	
05 05 23 00-1528 EA 1-1/8" Inside Diameter, 316 Stainless Steel Lock Washer.....	4.98	
05 05 23 00-1529 EA 1-1/4" Inside Diameter, 316 Stainless Steel Lock Washer.....	7.66	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-1530	EA	1-3/8" Inside Diameter, 316 Stainless Steel Lock Washer	13.71	
05 05 23 00-1531	EA	1-1/2" Inside Diameter, 316 Stainless Steel Lock Washer	15.23	
05 05 23 00-1532		Load Indicating Washers (05 05 23 00-1283)		
05 05 23 00-1533		A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) (05 05 23 00-1532)		
05 05 23 00-1534		Plain Finish, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) (05 05 23 00-1533)		
05 05 23 00-1535	EA	1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	2.05	
05 05 23 00-1536	EA	5/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	2.33	
05 05 23 00-1537	EA	3/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	2.51	
05 05 23 00-1538	EA	7/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	2.85	
05 05 23 00-1539	EA	1", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	3.44	
05 05 23 00-1540	EA	1-1/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	5.72	
05 05 23 00-1541	EA	1-1/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	7.39	
05 05 23 00-1542	EA	1-3/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	9.43	
05 05 23 00-1543	EA	1-1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	10.37	
05 05 23 00-1544		Galvanized, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) (05 05 23 00-1533)		
05 05 23 00-1545	EA	1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	2.60	
05 05 23 00-1546	EA	5/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	2.89	
05 05 23 00-1547	EA	3/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	2.81	
05 05 23 00-1548	EA	7/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	3.44	
05 05 23 00-1549	EA	1", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	4.07	
05 05 23 00-1550	EA	1-1/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	6.14	
05 05 23 00-1551	EA	1-1/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	7.73	
05 05 23 00-1552	EA	1-3/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	10.99	
05 05 23 00-1553	EA	1-1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	12.09	
05 05 23 00-1554		Beveled Washers (05 05 23 00-1283)		
05 05 23 00-1555		Plain Finish, Square Beveled Structural Washers (ASTM F436) (05 05 23 00-1554)		
05 05 23 00-1556	EA	1/2", Plain Finish, Square Beveled Structural Washer (ASTM F436)	3.39	
05 05 23 00-1557	EA	5/8", Plain Finish, Square Beveled Structural Washer (ASTM F436)	3.46	
05 05 23 00-1558	EA	3/4", Plain Finish, Square Beveled Structural Washer (ASTM F436)	3.54	
05 05 23 00-1559	EA	7/8", Plain Finish, Square Beveled Structural Washer (ASTM F436)	4.30	
05 05 23 00-1560	EA	1", Plain Finish, Square Beveled Structural Washer (ASTM F436)	4.53	
05 05 23 00-1561		Galvanized, Square Beveled Structural Washers (ASTM F436) (05 05 23 00-1554)		
05 05 23 00-1562	EA	1/2", Galvanized, Square Beveled Structural Washer (ASTM F436)	4.88	
05 05 23 00-1563	EA	5/8", Galvanized, Square Beveled Structural Washer (ASTM F436)	5.09	
05 05 23 00-1564	EA	3/4", Galvanized, Square Beveled Structural Washer (ASTM F436)	5.09	
05 05 23 00-1565	EA	7/8", Galvanized, Square Beveled Structural Washer (ASTM F436)	5.39	
05 05 23 00-1566	EA	1", Galvanized, Square Beveled Structural Washer (ASTM F436)	5.73	
05 05 23 00-1567		Drilling In Steel Plates (05 05 23)		
05 05 23 00-1568	EA	>1-1/2" To 4" Diameter Drill Through >1/4" To 1/2" Steel Plate	36.70	
		<i>For Aluminum, Deduct</i>	-3.67	
		<i>For Stainless Steel, Add</i>	4.59	
05 05 23 00-1569	EA	Up To 1/2" Diameter Drill Through >1/2" To 1" Steel Plate	24.47	
		<i>For Aluminum, Deduct</i>	-2.45	
		<i>For Stainless Steel, Add</i>	3.06	
05 05 23 00-1570	EA	>1/2" To 7/8" Diameter Drill Through >1/2" To 1" Steel Plate	32.30	
		<i>For Aluminum, Deduct</i>	-3.23	
		<i>For Stainless Steel, Add</i>	4.04	
05 05 23 00-1571	EA	>1-1/2" To 4" Diameter Drill Through Up To 1/4" Steel Plate	27.41	
		<i>For Aluminum, Deduct</i>	-2.74	
		<i>For Stainless Steel, Add</i>	3.43	
05 05 23 00-1572	EA	>7/8" To 1-1/2" Diameter Drill Through >1/2" To 1" Steel Plate	39.15	
05 05 23 00-1573	EA	>4" To 10" Diameter Drill Through Up To 1/4" Steel Plate	36.70	
		<i>For Aluminum, Deduct</i>	-3.67	
		<i>For Stainless Steel, Add</i>	4.59	
05 05 23 00-1574		Welded Stud Anchors (05 05 23)		
05 05 23 00-1575	EA	1/4" Diameter x 1-1/8" Long, Welded Stud Concrete Anchors	3.09	
05 05 23 00-1576	EA	1/4" Diameter x 2-11/16" Long, Welded Stud Concrete Anchors	3.15	
05 05 23 00-1577	EA	1/4" Diameter x 3-1/8" Long, Welded Stud Concrete Anchors	3.18	
05 05 23 00-1578	EA	1/4" Diameter x 4-1/8" Long, Welded Stud Concrete Anchors	3.20	
05 05 23 00-1579	EA	3/8" Diameter x 1-3/8" Long, Welded Stud Concrete Anchors	3.08	
05 05 23 00-1580	EA	3/8" Diameter x 1-5/8" Long, Welded Stud Concrete Anchors	3.23	
05 05 23 00-1581	EA	3/8" Diameter x 2-1/8" Long, Welded Stud Concrete Anchors	3.38	
05 05 23 00-1582	EA	3/8" Diameter x 2-5/8" Long, Welded Stud Concrete Anchors	3.46	
05 05 23 00-1583	EA	3/8" Diameter x 3-1/8" Long, Welded Stud Concrete Anchors	3.53	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
	05 05 23 00-1584	EA		3/8" Diameter x 4-1/8" Long, Welded Stud Concrete Anchors.....	3.84		
	05 05 23 00-1585	EA		3/8" Diameter x 5-1/8" Long, Welded Stud Concrete Anchors.....	4.09		
	05 05 23 00-1586	EA		3/8" Diameter x 6-1/8" Long, Welded Stud Concrete Anchors.....	4.29		
	05 05 23 00-1587	EA		1/2" Diameter x 1-1/2" Long, Welded Stud Concrete Anchors.....	3.74		
	05 05 23 00-1588	EA		1/2" Diameter x 1-5/8" Long, Welded Stud Concrete Anchors.....	3.76		
	05 05 23 00-1589	EA		1/2" Diameter x 2-1/8" Long, Welded Stud Concrete Anchors.....	3.99		
	05 05 23 00-1590	EA		1/2" Diameter x 2-5/8" Long, Welded Stud Concrete Anchors.....	4.21		
	05 05 23 00-1591	EA		1/2" Diameter x 3-1/8" Long, Welded Stud Concrete Anchors.....	4.48		
	05 05 23 00-1592	EA		1/2" Diameter x 4-1/8" Long, Welded Stud Concrete Anchors.....	4.90		
	05 05 23 00-1593	EA		1/2" Diameter x 5-5/16" Long, Welded Stud Concrete Anchors.....	5.16		
	05 05 23 00-1594	EA		1/2" Diameter x 6-1/8" Long, Welded Stud Concrete Anchors.....	5.90		
	05 05 23 00-1595	EA		1/2" Diameter x 8-1/8" Long, Welded Stud Concrete Anchors.....	7.29		
	05 05 23 00-1596	EA		5/8" Diameter x 2-11/16" Long, Welded Stud Concrete Anchors.....	5.23		
	05 05 23 00-1597	EA		5/8" Diameter x 3-3/16" Long, Welded Stud Concrete Anchors.....	5.58		
	05 05 23 00-1598	EA		5/8" Diameter x 3-11/16" Long, Welded Stud Concrete Anchors.....	5.86		
	05 05 23 00-1599	EA		5/8" Diameter x 4-3/16" Long, Welded Stud Concrete Anchors.....	6.15		
	05 05 23 00-1600	EA		5/8" Diameter x 4-11/16" Long, Welded Stud Concrete Anchors.....	6.38		
	05 05 23 00-1601	EA		5/8" Diameter x 5-3/16" Long, Welded Stud Concrete Anchors.....	6.60		
	05 05 23 00-1602	EA		5/8" Diameter x 6-3/16" Long, Welded Stud Concrete Anchors.....	6.89		
	05 05 23 00-1603	EA		5/8" Diameter x 6-9/16" Long, Welded Stud Concrete Anchors.....	8.07		
	05 05 23 00-1604	EA		5/8" Diameter x 8-3/16" Long, Welded Stud Concrete Anchors.....	9.71		
	05 05 23 00-1605	Welded Shear Stud Connector (05 05 23)					
	05 05 23 00-1606	3/4" Diameter Welded Shear Stud Connector (05 05 23 00-1605)					
	05 05 23 00-1607	EA		3/4" Diameter x 3-3/16" Long, Welded Shear Stud Connector	6.64		
	05 05 23 00-1608	EA		3/4" Diameter x 3-3/8" Long, Welded Shear Stud Connector	6.89		
	05 05 23 00-1609	EA		3/4" Diameter x 3-7/8" Long, Welded Shear Stud Connector	6.96		
	05 05 23 00-1610	EA		3/4" Diameter x 4-3/16" Long, Welded Shear Stud Connector	6.99		
	05 05 23 00-1611	EA		3/4" Diameter x 4-3/8" Long, Welded Shear Stud Connector	7.28		
	05 05 23 00-1612	EA		3/4" Diameter x 4-11/16" Long, Welded Shear Stud Connector	7.79		
	05 05 23 00-1613	EA		3/4" Diameter x 4-7/8" Long, Welded Shear Stud Connector	12.83		
	05 05 23 00-1614	EA		3/4" Diameter x 5-3/16" Long, Welded Shear Stud Connector	8.40		
	05 05 23 00-1615	EA		3/4" Diameter x 5-3/8" Long, Welded Shear Stud Connector	9.32		
	05 05 23 00-1616	EA		3/4" Diameter x 6-3/16" Long, Welded Shear Stud Connector	12.41		
	05 05 23 00-1617	EA		3/4" Diameter x 7-3/16" Long, Welded Shear Stud Connector	12.69		
	05 05 23 00-1618	EA		3/4" Diameter x 8-3/16" Long, Welded Shear Stud Connector	13.70		
	05 05 23 00-1619	EA		3/4" Diameter x 10-3/16" Long, Welded Shear Stud Connector	17.92		
	05 05 23 00-1620	7/8" Diameter Welded Shear Stud Connector (05 05 23 00-1605)					
	05 05 23 00-1621	EA		7/8" Diameter x 3-3/16" Long, Welded Shear Stud Connector	7.90		
	05 05 23 00-1622	EA		7/8" Diameter x 3-11/16" Long, Welded Shear Stud Connector	8.30		
	05 05 23 00-1623	EA		7/8" Diameter x 4-3/16" Long, Welded Shear Stud Connector	8.70		
	05 05 23 00-1624	EA		7/8" Diameter x 5-3/16" Long, Welded Shear Stud Connector	9.85		
	05 05 23 00-1625	EA		7/8" Diameter x 6-3/16" Long, Welded Shear Stud Connector	13.03		
	05 05 23 00-1626	EA		7/8" Diameter x 7-3/16" Long, Welded Shear Stud Connector	14.25		
	05 05 23 00-1627	EA		7/8" Diameter x 8-3/16" Long, Welded Shear Stud Connector	15.45		
	05 05 23 00-1628	EA		7/8" Diameter x 10-3/16" Long, Welded Shear Stud Connector	18.84		
	05 05 23 00-1629	1" Diameter Welded Shear Stud Connector (05 05 23 00-1605)					
	05 05 23 00-1630	EA		1" Diameter x 3-1/4" Long, Welded Shear Stud Connector	10.52		
	05 05 23 00-1631	EA		1" Diameter x 4-1/4" Long, Welded Shear Stud Connector	11.76		
	05 05 23 00-1632	EA		1" Diameter x 5-1/4" Long, Welded Shear Stud Connector	13.59		
	05 05 23 00-1633	EA		1" Diameter x 6-1/4" Long, Welded Shear Stud Connector	17.60		
	05 05 23 00-1634	EA		1" Diameter x 7-1/4" Long, Welded Shear Stud Connector	19.51		
	05 05 23 00-1635	EA		1" Diameter x 8-1/4" Long, Welded Shear Stud Connector	21.41		
05 10	Structural Metal Framing (05)						
05 12	Structural Steel Framing (05 10)						
05 12 23	Structural Steel For Buildings (05 12)						
	Note: Prices are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection. Excludes moment connection welding. See CSI section 05 12 23 00-0117 for field fabrication of additional structural metal connections, 05 12 23 00-0132 for moment connection welding.						
05 12 23 00-0001	Rolled Steel Members (05 12 23)						
05 12 23 00-0002	Beams, Girders And Columns (05 12 23 00-0001)						
	Note: For one and two story I beams and W shapes and HP shapes.						
05 12 23 00-0003	TON	Up To 30 LB/LF Beams, Girders And Columns			6,776.02	1,030.97	
		For ASTM A242 Type 2 High Strength Steel, Add			371.45		
		For Hot Dip Galvanizing, Add			1,300.08		
05 12 23 00-0004	TON	>30-65 LB/LF Beams, Girders And Columns			4,521.63	666.45	
		For ASTM A242 Type 2 High Strength Steel, Add			304.85		
		For Hot Dip Galvanizing, Add			1,066.99		

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0005 TON >65-100 LB/LF Beams, Girders And Columns..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,782.97 270.64 947.26	374.92
05 12 23 00-0006 TON >100-300 LB/LF Beams, Girders And Columns..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	2,526.01 185.02 647.56	199.56
05 12 23 00-0007 Trusses, Built-Up (05 12 23 00-0001)		
05 12 23 00-0008 TON Built-Up Trusses, Rolled Structural Steel Members..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,796.01 323.88 1,133.59	701.15
05 12 23 00-0009 Shapes (05 12 23 00-0001)		
05 12 23 00-0010 Rolled Shape Steel Angles (05 12 23 00-0009)		
05 12 23 00-0011 TON Up To 10 LB/LF Rolled Shape Steel Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	9,899.66 536.43 1,877.50	1,916.57
05 12 23 00-0012 TON >10-20 LB/LF Rolled Shape Steel Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	8,547.24 513.15 1,796.03	1,124.75
05 12 23 00-0013 TON >20-58 LB/LF Rolled Shape Steel Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,353.47 451.41 1,579.94	666.45
05 12 23 00-0014 Rolled C, MC Steel Channels (05 12 23 00-0009)		
05 12 23 00-0015 TON Up To 10 LB/LF Rolled C, MC Steel Channels..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	10,998.79 528.33 1,849.16	2,624.41
05 12 23 00-0016 TON >10-20 LB/LF Rolled C, MC Steel Channels..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	8,458.68 506.07 1,771.23	1,999.55
05 12 23 00-0017 TON >20-58 LB/LF Rolled C, MC Steel Channels..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,252.26 443.31 1,551.60	666.45
05 12 23 00-0018 Double L Shape Steel Angles (05 12 23 00-0009)		
05 12 23 00-0019 TON Up To 20 LB/LF Double L Shape Steel Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	9,114.25 516.19 1,806.66	1,520.66
05 12 23 00-0020 TON >20-50 LB/LF Double L Shape Steel Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,783.63 485.82 1,700.38	666.45
05 12 23 00-0021 TON >50-80 LB/LF Double L Shape Steel Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,081.02 374.49 1,310.71	374.92
05 12 23 00-0022 TON >80-115 LB/LF Double L Shape Steel Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,249.35 242.91 850.19	199.85
05 12 23 00-0023 Structural WT, MT, ST Tee Shapes (05 12 23 00-0001)		
05 12 23 00-0024 TON Up To 30 LB/LF Structural WT, MT, ST Tee Shapes..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	8,205.65 485.82 1,700.38	1,124.75
05 12 23 00-0025 TON >30-65 LB/LF Structural WT, MT, ST Tee Shapes..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,354.10 371.45 1,300.08	666.45
05 12 23 00-0026 TON >65-100 LB/LF Structural WT, MT, ST Tee Shapes..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,195.40 303.64 1,062.74	374.92
05 12 23 00-0027 TON >100-365 LB/LF Structural WT, MT, ST Tee Shapes..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,072.56 228.74 800.60	199.56
05 12 23 00-0028 Combination Section Shapes (05 12 23 00-0001)		
05 12 23 00-0029 Combination Section, W Shapes And Angles (05 12 23 00-0028)		
05 12 23 00-0030 TON Up To 30 LB/LF Combination Section - W Shapes And Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	7,813.44 454.45 1,590.56	1,124.75
05 12 23 00-0031 TON >30-65 LB/LF Combination Section - W Shapes And Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,392.07 374.49 1,310.71	666.45
05 12 23 00-0032 TON >65-100 LB/LF Combination Section - W Shapes And Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,879.11 278.34 974.18	374.92



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0033 TON >100-300 LB/LF Combination Section - W Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,325.27 248.98 871.45	199.56
05 12 23 00-0034 TON >300-500 LB/LF Combination Section - W Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	2,852.05 219.63 768.71	100.18
05 12 23 00-0035 Combination Section, S Shapes And Angles (05 12 23 00-0028)		
05 12 23 00-0036 TON >30-65 LB/LF Combination Section - S Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,189.63 358.29 1,254.03	666.45
05 12 23 00-0037 TON >65-100 LB/LF Combination Section - S Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,891.76 279.35 977.72	374.92
05 12 23 00-0038 Combination Section, Channels And Angles (05 12 23 00-0028)		
05 12 23 00-0039 TON Up To 30 LB/LF Combination Section - Channels And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	8,205.65 485.82 1,700.38	1,124.75
05 12 23 00-0040 TON >30-65 LB/LF Combination Section - Channels And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,645.09 394.73 1,381.56	666.45
05 12 23 00-0041 TON >65-100 LB/LF Combination Section - Channels And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,980.32 286.43 1,002.51	374.92
05 12 23 00-0042 Standard Weight Pipe (05 12 23 00-0001)		
05 12 23 00-0043 TON 1/2" To 5" Diameter Standard Weight Pipe <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,587.16 315.78 1,105.25	599.87
05 12 23 00-0044 TON >5" To 12" Diameter Standard Weight Pipe <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,924.25 329.95 1,154.84	749.83
05 12 23 00-0045 Structural Steel Shapes (05 12 23)		
05 12 23 00-0046 Steel Rods (05 12 23 00-0045)		
05 12 23 00-0047 TON 1/2" To 5" Diameter Extra Strong Steel, Solid <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,902.66 352.22 1,232.78	468.70
05 12 23 00-0048 TON >5" To 12" Diameter Extra Strong Steel, Solid <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,645.09 394.73 1,381.56	666.45
05 12 23 00-0049 Column Base Plates (05 12 23 00-0045)		
05 12 23 00-0050 LB Column Base Plates, Up To 150 LB / Each, A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	2.56 0.15 0.53	0.63
05 12 23 00-0051 LB Column Base Plates, >150 LB / Each, A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	2.40 0.14 0.50	0.54
05 12 23 00-0052 TON Column Base Plates, Up To 150 LB Each, A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,513.24 313.09 1,095.82	562.14
05 12 23 00-0053 TON Column Base Plates, >150 LB Each, A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,190.45 226.45 792.59	337.29
05 12 23 00-0054 Double Extra Strong Pipes (05 12 23 00-0045)		
05 12 23 00-0055 TON 2" To 5" Diameter Double Extra Strong Pipe <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,949.43 402.83 1,409.90	856.91
05 12 23 00-0056 TON >5" To 8" Diameter Double Extra Strong Pipe <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,527.55 402.83 1,409.90	461.39
05 12 23 00-0057 Structural Pipes (05 12 23 00-0045)		
05 12 23 00-0058 TON 3" To 5" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,151.62 283.40 991.89	395.91
05 12 23 00-0059 TON >5" To 12" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,549.80 283.40 991.89	456.60
05 12 23 00-0060 Structural Tubing (05 12 23 00-0045)		

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0061 Rectangle Structural Tubing (05 12 23 00-0060)		
05 12 23 00-0062 TON 3" x 2" Weight Range 5-7 LB/LF Structural Tubing - Rectangle..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	6,752.40 506.07 1,771.23	399.91
05 12 23 00-0063 TON 4" x 3", 2" Weight Range 6-13 LB/LF Structural Tubing - Rectangle..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	6,818.02 506.07 1,771.23	461.39
05 12 23 00-0064 TON 5" x 4", 2" Weight Range 8-20 LB/LF Structural Tubing - Rectangle..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	5,973.41 435.22 1,523.26	499.89
05 12 23 00-0065 TON 6" x 4", 3", 2" Weight Range 9-29 LB/LF Structural Tubing - Rectangle..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	5,700.51 404.85 1,416.98	599.87
05 12 23 00-0066 TON 7" x 5", 4", 3" Weight Range 12-35 LB/LF Structural Tubing - Rectangle..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	5,392.06 374.49 1,310.71	666.45
05 12 23 00-0067 TON 8" x 6", 4", 3", 2" Weight Range 11-42 LB/LF Structural Tubing - Rectangle..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	5,664.90 374.49 1,310.71	922.30
05 12 23 00-0068 TON 10" x 6", 4", 2" Weight Range 15-50 LB/LF Structural Tubing - Rectangle..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	6,082.84 382.59 1,339.05	1,219.23
05 12 23 00-0069 TON 12" x 6", 4", 2" Weight Range 17-76 LB/LF Structural Tubing - Rectangle..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	6,253.58 386.63 1,353.22	1,331.80
05 12 23 00-0070 TON 14" x 10", 6", 4" Weight Range 29-76 LB/LF Structural Tubing - Rectangle..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	6,432.57 386.63 1,353.22	1,499.67
05 12 23 00-0071 TON 16" x 12", 8", 4" Weight Range 40-90 LB/LF Structural Tubing - Rectangle..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	8,142.92 382.59 1,339.05	3,150.60
05 12 23 00-0072 TON 18" x 6" Weight Range 48-76 LB/LF Structural Tubing - Rectangle..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	6,788.66 372.46 1,303.62	1,999.55
05 12 23 00-0073 TON 20" x 12", 8", 4" Weight Range 48-105 LB/LF Structural Tubing - Rectangle..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	9,815.72 392.71 1,374.48	4,600.28
05 12 23 00-0074 Square Structural Tubing (05 12 23 00-0060)		
05 12 23 00-0075 TON 2" x 2" Weight Range 4-6 LB/LF Structural Tubing - Square..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	6,725.73 506.07 1,771.23	374.92
05 12 23 00-0076 TON 2.5" x 2.5" Weight Range 5-8 LB/LF Structural Tubing - Square..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	6,752.40 506.07 1,771.23	399.91
05 12 23 00-0077 TON 3" x 3" Weight Range 6-11 LB/LF Structural Tubing - Square..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	6,099.93 445.34 1,558.68	499.89
05 12 23 00-0078 TON 3.5" x 3.5" Weight Range 8-13 LB/LF Structural Tubing - Square..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	6,080.05 435.22 1,523.26	599.87
05 12 23 00-0079 TON 4" x 4" Weight Range 10-22 LB/LF Structural Tubing - Square..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	4,949.56 331.98 1,161.93	749.83
05 12 23 00-0080 TON 5" x 5" Weight Range 12-30 LB/LF Structural Tubing - Square..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	5,063.82 331.98 1,161.93	856.91
05 12 23 00-0081 TON 6" x 6" Weight Range 15-35 LB/LF Structural Tubing - Square..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	5,429.46 331.98 1,161.93	1,199.73
05 12 23 00-0082 TON 7" x 7" Weight Range 17-42 LB/LF Structural Tubing - Square..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	5,825.29 338.05 1,183.18	1,499.67
05 12 23 00-0083 TON 8" x 8" Weight Range 20-60 LB/LF Structural Tubing - Square..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	7,041.70 392.71 1,374.48	1,999.55
05 12 23 00-0084 TON 10" x 10" Weight Range 33-77 LB/LF Structural Tubing - Square..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	8,108.14 392.71 1,374.48	2,999.33
05 12 23 00-0085 TON 12" x 12" Weight Range 40-80 LB/LF Structural Tubing - Square..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	7,980.68 338.05 1,183.18	3,520.32
05 12 23 00-0086 TON 14" x 14" Weight Range 57-90 LB/LF Structural Tubing - Square..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	9,714.50 384.61 1,346.13	4,600.28
05 12 23 00-0087 TON 16" x 16" Weight Range 65-105 LB/LF Structural Tubing - Square..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	11,307.42 392.71 1,374.48	5,998.67
05 12 23 00-0088 Structural Shapes (05 12 23 00-0045)		



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0089 TON Structural Shapes, Steel Angle A36 Structural Steel, Purlins And Girts (Up To 20 LB/LF).....	7,067.02	2,248.55
<i>For ASTM A242 Type 2 High Strength Steel, Add</i>	279.83	
<i>For Hot Dip Galvanizing, Add</i>	979.41	
<i>For >20 To 50 LB/LF, Deduct</i>	-885.16	
<i>For >50 To 75 LB/LF, Deduct</i>	-1,416.97	
<i>For >75 To 100 LB/LF, Deduct</i>	-1,948.77	
05 12 23 00-0090 TON Structural Shapes, Steel Plate A36 Structural Steel	5,244.65	899.42
Note: Up to 21.5 LB per SF		
<i>For ASTM A242 Type 2 High Strength Steel, Add</i>	323.89	
<i>For Hot Dip Galvanizing, Add</i>	1,133.61	
<i>For >21.5 To 50 LB/LF, Deduct</i>	-584.27	
05 12 23 00-0091 LB Structural Shapes, Primed Pipe Supports (Up To 20 LB/LF)	3.03	0.20
05 12 23 00-0092 LB Structural Shapes, Galvanized Pipe Supports	3.66	0.20
05 12 23 00-0093 Built-Up Trusses (05 12 23 00-0045)		
05 12 23 00-0094 TON Up To 50 LF Span Average Weight 100 LB/LF Trusses, Built-up.....	5,469.15	299.94
05 12 23 00-0095 TON >50-100 LF Span Average Weight 120 LB/LF Trusses, Built-up	5,377.56	166.57
05 12 23 00-0096 TON >100-200 LF Span Average Weight 150 LB/LF Trusses, Built-up	4,775.21	88.18
05 12 23 00-0097 TON >200 LF Span Average Weight 180 LB/LF Trusses, Built-up	4,643.46	83.38
05 12 23 00-0098 Masonry Plates, Filler Plates, Sole Plates And Anchor Straps (05 12 23 00-0045)		
Note: Includes shop fabrication, welds, drilling and shop primer.		
05 12 23 00-0099 SF 1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	19.69	6.48
05 12 23 00-0100 SF 3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	29.55	9.68
05 12 23 00-0101 SF 1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	39.40	12.91
05 12 23 00-0102 SF 5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	49.25	16.14
05 12 23 00-0103 SF 3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	59.10	19.27
05 12 23 00-0104 SF 7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	68.95	22.59
05 12 23 00-0105 SF 1" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	78.79	25.82
05 12 23 00-0106 SF 1-1/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	88.65	29.05
05 12 23 00-0107 SF 1-1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	98.50	32.28
05 12 23 00-0108 SF 1-3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	108.34	35.51
05 12 23 00-0109 SF 1-1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	118.19	38.73
05 12 23 00-0110 SF 1-5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	128.04	41.96
05 12 23 00-0111 SF 1-3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	137.88	45.19
05 12 23 00-0112 SF 1-7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	147.75	48.42
05 12 23 00-0113 SF 2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	157.60	51.65
05 12 23 00-0114 Accessories For Steel (05 12 23)		
05 12 23 00-0115 Field Painting For Touch-Up Of Shop Prime Coat (05 12 23 00-0114)		
05 12 23 00-0116 SF Touch Up Paint - Type 1 Red Oxide Field Painting Prime Coat.....	0.77	
05 12 23 00-0117 Connection And Stiffener Plates (05 12 23 00-0114)		
Note: For field fabrication of additional structural metal connections.		
05 12 23 00-0118 TON 1/8" Plate Weight 6.16 LB/SF Connection And Stiffener Plates.....	11,687.94	
05 12 23 00-0119 TON 3/16" Plate Weight 8.71 LB/SF Connection And Stiffener Plates.....	9,972.10	
05 12 23 00-0120 TON 1/4" Plate Weight 11.26 LB/SF Connection And Stiffener Plates.....	7,711.63	
05 12 23 00-0121 TON 5/16" Plate Weight 13.81 LB/SF Connection And Stiffener Plates.....	7,711.63	
05 12 23 00-0122 TON 3/8" Plate Weight 16.37 LB/SF Connection And Stiffener Plates.....	7,711.63	
05 12 23 00-0123 TON 1/2" Plate Weight 21.47 LB/SF Connection And Stiffener Plates.....	7,711.63	
05 12 23 00-0124 TON 9/16" Plate Weight 24.02 LB/SF Connection And Stiffener Plates.....	7,711.63	
05 12 23 00-0125 TON 5/8" Plate Weight 26.58 LB/SF Connection And Stiffener Plates.....	7,711.63	
05 12 23 00-0126 TON 3/4" Plate Weight 31.68 LB/SF Connection And Stiffener Plates.....	7,229.65	
05 12 23 00-0127 TON 7/8" Plate Weight 36.78 LB/SF Connection And Stiffener Plates.....	7,229.65	
05 12 23 00-0128 TON 1" Plate Weight 41.89 LB/SF Connection And Stiffener Plates.....	7,229.65	
05 12 23 00-0129 Spot Welding (05 12 23 00-0114)		
See CSI section 05 12 23 00-0132 for a series of welds.		
05 12 23 00-0130 EA Up To 15 Spot Weldings, Welds Up To 1" Length Each.....	10.04	
<i>For Aluminum Welding, Add</i>	1.55	
<i>For Stainless Steel Welding, Add</i>	2.56	
05 12 23 00-0131 EA >15 Spot Weldings, Welds Up To 1" Length Each.....	7.82	
<i>For Aluminum Welding, Add</i>	1.22	
<i>For Stainless Steel Welding, Add</i>	2.01	
05 12 23 00-0132 Field Welding (Seam And Stitch Welding) (05 12 23 00-0114)		
05 12 23 00-0133 Vertical Fillet Welds (05 12 23 00-0132)		
Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.		
05 12 23 00-0134 LF 1/8" Vertical Fillet Weld.....	6.22	
<i>For Aluminum Welding, Add</i>	1.14	
<i>For Stainless Steel Welding, Add</i>	1.82	
<i>For Up To 25, Add</i>	2.09	
<i>For >25 To 50, Add</i>	1.49	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0135	LF		3/16" Vertical Fillet Weld.....	12.18	
			<i>For Aluminum Welding, Add</i>	2.09	
			<i>For Stainless Steel Welding, Add</i>	3.38	
			<i>For Up To 25, Add</i>	4.15	
			<i>For >25 To 50, Add</i>	2.96	
05 12 23 00-0136	LF		1/4" Vertical Fillet Weld.....	18.28	
			<i>For Aluminum Welding, Add</i>	3.14	
			<i>For Stainless Steel Welding, Add</i>	5.07	
			<i>For Up To 25, Add</i>	6.23	
			<i>For >25 To 50, Add</i>	4.44	
05 12 23 00-0137	LF		5/16" Vertical Fillet Weld.....	24.10	
			<i>For Aluminum Welding, Add</i>	4.15	
			<i>For Stainless Steel Welding, Add</i>	6.69	
			<i>For Up To 25, Add</i>	8.21	
			<i>For >25 To 50, Add</i>	5.85	
05 12 23 00-0138	LF		3/8" Vertical Fillet Weld.....	30.46	
			<i>For Aluminum Welding, Add</i>	5.23	
			<i>For Stainless Steel Welding, Add</i>	8.44	
			<i>For Up To 25, Add</i>	10.39	
			<i>For >25 To 50, Add</i>	7.40	
05 12 23 00-0139	LF		7/16" Vertical Fillet Weld.....	35.65	
			<i>For Aluminum Welding, Add</i>	5.87	
			<i>For Stainless Steel Welding, Add</i>	9.57	
			<i>For Up To 25, Add</i>	12.26	
			<i>For >25 To 50, Add</i>	8.74	
05 12 23 00-0140	LF		1/2" Vertical Fillet Weld.....	41.64	
			<i>For Aluminum Welding, Add</i>	7.17	
			<i>For Stainless Steel Welding, Add</i>	11.57	
			<i>For Up To 25, Add</i>	14.19	
			<i>For >25 To 50, Add</i>	10.10	
05 12 23 00-0141	LF		9/16" Vertical Fillet Weld.....	48.91	
			<i>For Aluminum Welding, Add</i>	8.16	
			<i>For Stainless Steel Welding, Add</i>	13.26	
			<i>For Up To 25, Add</i>	16.77	
			<i>For >25 To 50, Add</i>	11.95	
05 12 23 00-0142	LF		5/8" Vertical Fillet Weld.....	56.68	
			<i>For Aluminum Welding, Add</i>	9.48	
			<i>For Stainless Steel Welding, Add</i>	15.39	
			<i>For Up To 25, Add</i>	19.43	
			<i>For >25 To 50, Add</i>	13.84	
05 12 23 00-0143	LF		3/4" Vertical Fillet Weld.....	76.21	
			<i>For Aluminum Welding, Add</i>	13.11	
			<i>For Stainless Steel Welding, Add</i>	21.15	
			<i>For Up To 25, Add</i>	25.97	
			<i>For >25 To 50, Add</i>	18.49	
05 12 23 00-0144	LF		7/8" Vertical Fillet Weld.....	113.23	
			<i>For Aluminum Welding, Add</i>	18.86	
			<i>For Stainless Steel Welding, Add</i>	30.65	
			<i>For Up To 25, Add</i>	38.85	
			<i>For >25 To 50, Add</i>	27.68	
05 12 23 00-0145	LF		1" Vertical Fillet Weld.....	152.04	
			<i>For Aluminum Welding, Add</i>	25.94	
			<i>For Stainless Steel Welding, Add</i>	41.93	
			<i>For Up To 25, Add</i>	51.91	
			<i>For >25 To 50, Add</i>	36.96	
05 12 23 00-0146			Horizontal Or Flat Fillet Welds <small>(05 12 23 00-0132)</small>		
			Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.		
05 12 23 00-0147	LF		1/8" Horizontal Or Flat Fillet Weld.....	5.22	
			<i>For Aluminum Welding, Add</i>	0.99	
			<i>For Stainless Steel Welding, Add</i>	1.57	
			<i>For Up To 25, Add</i>	1.74	
			<i>For >25 To 50, Add</i>	1.24	
05 12 23 00-0148	LF		3/16" Horizontal Or Flat Fillet Weld.....	10.27	
			<i>For Aluminum Welding, Add</i>	1.82	
			<i>For Stainless Steel Welding, Add</i>	2.91	
			<i>For Up To 25, Add</i>	3.48	
			<i>For >25 To 50, Add</i>	2.48	
05 12 23 00-0149	LF		1/4" Horizontal Or Flat Fillet Weld.....	15.37	
			<i>For Aluminum Welding, Add</i>	2.72	
			<i>For Stainless Steel Welding, Add</i>	4.36	
			<i>For Up To 25, Add</i>	5.21	
			<i>For >25 To 50, Add</i>	3.70	
05 12 23 00-0150	LF		5/16" Horizontal Or Flat Fillet Weld.....	20.30	
			<i>For Aluminum Welding, Add</i>	3.61	
			<i>For Stainless Steel Welding, Add</i>	5.78	
			<i>For Up To 25, Add</i>	6.87	
			<i>For >25 To 50, Add</i>	4.89	
05 12 23 00-0151	LF		3/8" Horizontal Or Flat Fillet Weld.....	25.65	
			<i>For Aluminum Welding, Add</i>	4.54	
			<i>For Stainless Steel Welding, Add</i>	7.28	
			<i>For Up To 25, Add</i>	8.69	
			<i>For >25 To 50, Add</i>	6.18	



	Metals	05
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0152	LF		7/16" Horizontal Or Flat Fillet Weld.....	29.92	
			<i>For Aluminum Welding, Add</i>	5.04	
			<i>For Stainless Steel Welding, Add</i>	8.17	
			<i>For Up To 25, Add</i>	10.24	
			<i>For >25 To 50, Add</i>	7.30	
05 12 23 00-0153	LF		1/2" Horizontal Or Flat Fillet Weld.....	35.01	
			<i>For Aluminum Welding, Add</i>	6.22	
			<i>For Stainless Steel Welding, Add</i>	9.96	
			<i>For Up To 25, Add</i>	11.85	
			<i>For >25 To 50, Add</i>	8.43	
05 12 23 00-0154	LF		9/16" Horizontal Or Flat Fillet Weld.....	41.10	
			<i>For Aluminum Welding, Add</i>	7.05	
			<i>For Stainless Steel Welding, Add</i>	11.38	
			<i>For Up To 25, Add</i>	14.02	
			<i>For >25 To 50, Add</i>	9.98	
05 12 23 00-0155	LF		5/8" Horizontal Or Flat Fillet Weld.....	47.78	
			<i>For Aluminum Welding, Add</i>	8.31	
			<i>For Stainless Steel Welding, Add</i>	13.37	
			<i>For Up To 25, Add</i>	16.25	
			<i>For >25 To 50, Add</i>	11.57	
05 12 23 00-0156	LF		3/4" Horizontal Or Flat Fillet Weld.....	64.13	
			<i>For Aluminum Welding, Add</i>	11.38	
			<i>For Stainless Steel Welding, Add</i>	18.23	
			<i>For Up To 25, Add</i>	21.71	
			<i>For >25 To 50, Add</i>	15.45	
05 12 23 00-0157	LF		7/8" Horizontal Or Flat Fillet Weld.....	94.67	
			<i>For Aluminum Welding, Add</i>	15.95	
			<i>For Stainless Steel Welding, Add</i>	25.85	
			<i>For Up To 25, Add</i>	32.41	
			<i>For >25 To 50, Add</i>	23.09	
05 12 23 00-0158	LF		1" Horizontal Or Flat Fillet Weld.....	127.51	
			<i>For Aluminum Welding, Add</i>	22.41	
			<i>For Stainless Steel Welding, Add</i>	35.99	
			<i>For Up To 25, Add</i>	43.26	
			<i>For >25 To 50, Add</i>	30.78	
05 12 23 00-0159			Cold Galvanizing (05 12 23 00-0114)		
05 12 23 00-0160	SF		Brush Applied Cold Galvanizing	1.59	
05 12 23 00-0161			Metal Grinding (05 12 23 00-0114)		
			Note: For use to prepare existing metal for welding by removing of rust or scale and smoothing surface after torch cutting.		
05 12 23 00-0162	SI		Metal Grinding Up To 1/32" Thickness To Be Removed.....	0.87	
			Note: Includes rust or scale removal on metal and smoothing surface.		
05 12 23 00-0163			Structural Steel For Buildings And Structures (05 12 23)		
05 12 23 00-0164			First Tier A992/A36 Structural Steel Columns, W Shapes (05 12 23 00-0163)		
			Note: With base plate. Includes material delivery and erection.		
05 12 23 00-0165	LF		W14 x 730 A992/A36 Structural Column	1,110.22	62.37
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	99.92	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	222.04	
05 12 23 00-0166	LF		W14 x 665 A992/A36 Structural Column	1,012.77	58.13
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	91.15	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	202.55	
05 12 23 00-0167	LF		W14 x 605 A992/A36 Structural Column	922.70	54.10
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	83.04	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	184.54	
05 12 23 00-0168	LF		W14 x 550 A992/A36 Structural Column	840.04	50.33
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	75.60	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	168.01	
05 12 23 00-0169	LF		W14 x 500 A992/A36 Structural Column	770.36	51.99
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	69.33	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	154.07	
05 12 23 00-0170	LF		W14 x 426 A992/A36 Structural Column	657.46	45.39
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	59.17	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	131.49	
05 12 23 00-0171	LF		W14 x 342 A992/A36 Structural Column	532.06	39.30
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	47.89	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	106.41	
05 12 23 00-0172	LF		W14 x 311 A992/A36 Structural Column	479.44	36.69
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	43.15	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	95.89	
05 12 23 00-0173	LF		W14 x 283 A992/A36 Structural Column	435.38	34.59
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	39.18	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	87.08	
05 12 23 00-0174	LF		W14 x 257 A992/A36 Structural Column	383.09	32.79
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	34.48	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	76.62	
05 12 23 00-0175	LF		W14 x 233 A992/A36 Structural Column	352.60	30.50
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	31.73	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	70.52	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0176 LF W14 x 211 A992/A36 Structural Column For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	313.84 28.25 62.77	28.39
05 12 23 00-0177 LF W14 x 193 A992/A36 Structural Column For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	284.08 25.57 56.82	27.00
05 12 23 00-0178 LF W14 x 176 A992/A36 Structural Column For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	256.28 23.07 51.26	25.79
05 12 23 00-0179 LF W14 x 159 A992/A36 Structural Column For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	231.97 20.88 46.39	24.89
05 12 23 00-0180 LF W14 x 145 A992/A36 Structural Column For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	224.20 20.18 44.84	24.09
05 12 23 00-0181 LF W14 x 132 A992/A36 Structural Column For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	192.11 17.29 38.42	22.99
05 12 23 00-0182 LF W14 x 120 A992/A36 Structural Column For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	180.28 16.23 36.06	22.40
05 12 23 00-0183 LF W14 x 109 A992/A36 Structural Column For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	161.65 14.55 32.33	21.50
05 12 23 00-0184 LF W14 x 99 A992/A36 Structural Column For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	147.71 13.29 29.54	20.90
05 12 23 00-0185 LF W14 x 90 A992/A36 Structural Column For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	137.39 12.37 27.48	20.40
05 12 23 00-0186 LF W14 x 82 A992/A36 Structural Column For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	126.74 11.41 25.35	19.80
05 12 23 00-0187 LF W14 x 74 A992/A36 Structural Column For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	114.65 10.32 22.93	19.30
05 12 23 00-0188 LF W14 x 68 A992/A36 Structural Column For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	107.26 9.65 21.45	18.99
05 12 23 00-0189 LF W14 x 61 A992/A36 Structural Column For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	98.01 8.82 19.60	18.50
05 12 23 00-0190 LF W14 x 53 A992/A36 Structural Column For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	89.46 8.05 17.89	18.00
05 12 23 00-0191 LF W14 x 48 A992/A36 Structural Column For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	83.96 7.56 16.79	17.69
05 12 23 00-0192 LF W14 x 43 A992/A36 Structural Column For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	75.99 6.84 15.20	17.40
05 12 23 00-0193 LF W12 x 336 A992/A36 Structural Column For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	506.15 45.55 101.23	27.77
05 12 23 00-0194 LF W12 x 305 A992/A36 Structural Column For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	461.59 41.54 92.32	27.23
05 12 23 00-0195 LF W12 x 279 A992/A36 Structural Column For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	424.37 38.19 84.87	26.90
05 12 23 00-0196 LF W12 x 252 A992/A36 Structural Column For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	385.35 34.68 77.07	26.22
05 12 23 00-0197 LF W12 x 230 A992/A36 Structural Column For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	353.75 31.84 70.75	25.84
05 12 23 00-0198 LF W12 x 210 A992/A36 Structural Column For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	325.00 29.25 65.00	25.48
05 12 23 00-0199 LF W12 x 190 A992/A36 Structural Column For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	298.96 26.91 59.79	27.59
05 12 23 00-0200 LF W12 x 170 A992/A36 Structural Column For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	270.45 24.34 54.09	26.80
05 12 23 00-0201 LF W12 x 152 A992/A36 Structural Column For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	243.92 21.95 48.78	24.89
05 12 23 00-0202 LF W12 x 136 A992/A36 Structural Column For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	231.97 20.88 46.39	24.20
05 12 23 00-0203 LF W12 x 120 A992/A36 Structural Column For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	176.27 15.86 35.25	22.20



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0204 LF W12 x 106 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	162.59 14.63 32.52	21.50
05 12 23 00-0205 LF W12 x 96 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	145.71 13.11 29.14	20.79
05 12 23 00-0206 LF W12 x 87 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	134.59 12.11 26.92	20.09
05 12 23 00-0207 LF W12 x 79 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	118.39 10.66 23.68	19.50
05 12 23 00-0208 LF W12 x 72 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	108.54 9.77 21.71	18.99
05 12 23 00-0209 LF W12 x 65 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	99.41 8.95 19.88	18.59
05 12 23 00-0210 LF W12 x 58 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	96.25 8.66 19.25	18.40
05 12 23 00-0211 LF W12 x 53 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	89.46 8.05 17.89	18.00
05 12 23 00-0212 LF W12 x 50 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	86.76 7.81 17.35	17.89
05 12 23 00-0213 LF W12 x 45 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	79.03 7.11 15.81	17.50
05 12 23 00-0214 LF W12 x 40 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	71.05 6.39 14.21	17.10
05 12 23 00-0215 LF W10 x 112 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	169.98 15.30 34.00	21.89
05 12 23 00-0216 LF W10 x 110 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	153.94 13.85 30.79	20.99
05 12 23 00-0217 LF W10 x 88 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	138.58 12.47 27.72	20.29
05 12 23 00-0218 LF W10 x 77 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	123.48 11.11 24.70	19.50
05 12 23 00-0219 LF W10 x 68 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	111.40 10.03 22.28	18.99
05 12 23 00-0220 LF W10 x 60 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	98.01 8.82 19.60	18.50
05 12 23 00-0221 LF W10 x 54 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	97.34 8.76 19.47	18.20
05 12 23 00-0222 LF W10 x 49 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	85.71 7.71 17.14	17.89
05 12 23 00-0223 LF W10 x 45 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	82.79 7.45 16.56	17.60
05 12 23 00-0224 LF W10 x 39 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	72.34 6.51 14.47	17.30
05 12 23 00-0225 LF W10 x 33 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	63.31 5.70 12.66	16.79
05 12 23 00-0226 LF W8 x 67 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	107.38 9.66 21.48	18.99
05 12 23 00-0227 LF W8 x 58 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	96.61 8.69 19.32	18.40
05 12 23 00-0228 LF W8 x 48 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	86.65 7.80 17.33	17.89
05 12 23 00-0229 LF W8 x 40 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	74.69 6.72 14.94	17.40
05 12 23 00-0230 LF W8 x 35 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	67.65 6.09 13.53	16.99
05 12 23 00-0231 LF W8 x 31 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	62.01 5.58 12.40	16.79

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0232	LF		W8 x 28 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	58.50 5.27 11.70	16.59
05 12 23 00-0233	LF		W8 x 24 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	54.29 4.89 10.86	16.39
05 12 23 00-0234	LF		W8 x 21 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	51.49 4.63 10.30	16.30
05 12 23 00-0235	LF		W8 x 18 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	46.20 4.16 9.24	16.00
05 12 23 00-0236	LF		W6 x 25 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	56.89 5.12 11.38	16.39
05 12 23 00-0237	LF		W6 x 20 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	48.42 4.36 9.68	16.10
05 12 23 00-0238	LF		W6 x 15 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	41.78 3.76 8.36	15.60
05 12 23 00-0239	LF		W6 x 12 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	39.29 3.54 7.86	15.60
05 12 23 00-0240	LF		W6 x 9 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	36.11 3.25 7.22	15.49
05 12 23 00-0241	LF		W5 x 19 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	47.71 4.29 9.54	16.10
05 12 23 00-0242	LF		W5 x 16 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	44.08 3.97 8.82	16.00
05 12 23 00-0243	LF		W4 x 13 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	41.39 3.73 8.28	15.80
05 12 23 00-0244			A992/A36 Structural Steel Beams And Girders, W Shapes (05 12 23 00-0163) Note: Includes material delivery and erection.		
05 12 23 00-0245	LF		W36 x 300 A992/A36 Structural Beam Or Girder..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	376.65 33.90 75.33 3.04 -120.90 45.20	68.30
05 12 23 00-0246	LF		W36 x 280 A992/A36 Structural Beam Or Girder..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	363.53 32.72 72.71 2.84 -115.24 43.62	74.99
05 12 23 00-0247	LF		W36 x 260 A992/A36 Structural Beam Or Girder..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	344.90 31.04 68.98 2.66 -108.87 41.39	74.09
05 12 23 00-0248	LF		W36 x 240 A992/A36 Structural Beam Or Girder..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	322.75 29.05 64.55 2.53 -102.43 38.73	65.83
05 12 23 00-0249	LF		W36 x 230 A992/A36 Structural Beam Or Girder..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	313.23 28.19 62.65 2.42 -98.95 37.59	66.76
05 12 23 00-0250	LF		W36 x 210 A992/A36 Structural Beam Or Girder..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	297.45 26.77 59.49 2.21 -92.64 35.69	71.69
05 12 23 00-0251	LF		W36 x 194 A992/A36 Structural Beam Or Girder..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	281.52 25.34 56.30 2.13 -88.32 33.78	63.85



	Metals	05
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0252	LF		W36 x 182 A992/A36 Structural Beam Or Girder	267.83	63.38
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	24.10	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	53.57	
			<i>For Each Additional Top Copes >2, Add</i>	2.00	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-83.60	
			<i>For Skewed Or Sloped Connections, Add</i>	32.14	
05 12 23 00-0253	LF		W36 x 170 A992/A36 Structural Beam Or Girder	253.84	62.66
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	22.85	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	50.77	
			<i>For Each Additional Top Copes >2, Add</i>	1.87	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-78.82	
			<i>For Skewed Or Sloped Connections, Add</i>	30.46	
05 12 23 00-0254	LF		W36 x 160 A992/A36 Structural Beam Or Girder	250.00	69.38
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	22.50	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	50.00	
			<i>For Each Additional Top Copes >2, Add</i>	1.76	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-76.40	
			<i>For Skewed Or Sloped Connections, Add</i>	30.00	
05 12 23 00-0255	LF		W36 x 150 A992/A36 Structural Beam Or Girder	240.28	68.88
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	21.63	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	48.06	
			<i>For Each Additional Top Copes >2, Add</i>	1.67	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-73.07	
			<i>For Skewed Or Sloped Connections, Add</i>	28.83	
05 12 23 00-0256	LF		W36 x 135 A992/A36 Structural Beam Or Girder	226.69	68.28
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	20.40	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	45.34	
			<i>For Each Additional Top Copes >2, Add</i>	1.54	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-68.42	
			<i>For Skewed Or Sloped Connections, Add</i>	27.20	
05 12 23 00-0257	LF		W33 x 241 A992/A36 Structural Beam Or Girder	327.15	67.90
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	29.44	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	65.43	
			<i>For Each Additional Top Copes >2, Add</i>	2.55	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-103.64	
			<i>For Skewed Or Sloped Connections, Add</i>	39.26	
05 12 23 00-0258	LF		W33 x 221 A992/A36 Structural Beam Or Girder	304.24	66.23
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	27.38	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	60.85	
			<i>For Each Additional Top Copes >2, Add</i>	2.34	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-95.89	
			<i>For Skewed Or Sloped Connections, Add</i>	36.51	
05 12 23 00-0259	LF		W33 x 201 A992/A36 Structural Beam Or Girder	288.43	71.18
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	25.96	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	57.69	
			<i>For Each Additional Top Copes >2, Add</i>	2.12	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-89.55	
			<i>For Skewed Or Sloped Connections, Add</i>	34.61	
05 12 23 00-0260	LF		W33 x 170 A992/A36 Structural Beam Or Girder	260.45	69.89
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	23.44	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	52.09	
			<i>For Each Additional Top Copes >2, Add</i>	1.86	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-79.98	
			<i>For Skewed Or Sloped Connections, Add</i>	31.25	
05 12 23 00-0261	LF		W33 x 152 A992/A36 Structural Beam Or Girder	238.52	62.46
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	21.47	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	47.70	
			<i>For Each Additional Top Copes >2, Add</i>	1.72	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-73.49	
			<i>For Skewed Or Sloped Connections, Add</i>	28.62	
05 12 23 00-0262	LF		W33 x 141 A992/A36 Structural Beam Or Girder	232.54	68.48
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	20.93	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	46.51	
			<i>For Each Additional Top Copes >2, Add</i>	1.59	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-70.43	
			<i>For Skewed Or Sloped Connections, Add</i>	27.90	
05 12 23 00-0263	LF		W33 x 130 A992/A36 Structural Beam Or Girder	221.54	67.99
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	19.94	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	44.31	
			<i>For Each Additional Top Copes >2, Add</i>	1.49	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-66.67	
			<i>For Skewed Or Sloped Connections, Add</i>	26.58	
05 12 23 00-0264	LF		W33 x 118 A992/A36 Structural Beam Or Girder	208.75	67.38
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	18.79	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	41.75	
			<i>For Each Additional Top Copes >2, Add</i>	1.37	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-62.28	
			<i>For Skewed Or Sloped Connections, Add</i>	25.05	
05 12 23 00-0265	LF		W30 x 211 A992/A36 Structural Beam Or Girder	292.41	66.11
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	26.32	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	58.48	
			<i>For Each Additional Top Copes >2, Add</i>	2.22	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-91.77	
			<i>For Skewed Or Sloped Connections, Add</i>	35.09	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0266	LF	W30 x 191 A992/A36	Structural Beam Or Girder.....	276.34	70.68
			For High Strength Low Alloy A572-50 Steel, Add	24.87	
			For High Strength Low Alloy A588 Steel, Add	55.27	
			For Each Additional Top Copes >2, Add	2.01	
			For Structural Tees, WT, MT Or ST, Deduct	-85.40	
			For Skewed Or Sloped Connections, Add	33.16	
05 12 23 00-0267	LF	W30 x 173 A992/A36	Structural Beam Or Girder.....	254.80	63.09
			For High Strength Low Alloy A572-50 Steel, Add	22.93	
			For High Strength Low Alloy A588 Steel, Add	50.96	
			For Each Additional Top Copes >2, Add	1.88	
			For Structural Tees, WT, MT Or ST, Deduct	-79.09	
			For Skewed Or Sloped Connections, Add	30.58	
05 12 23 00-0268	LF	W30 x 154 A992/A36	Structural Beam Or Girder.....	240.49	68.98
			For High Strength Low Alloy A572-50 Steel, Add	21.64	
			For High Strength Low Alloy A588 Steel, Add	48.10	
			For Each Additional Top Copes >2, Add	1.67	
			For Structural Tees, WT, MT Or ST, Deduct	-73.13	
			For Skewed Or Sloped Connections, Add	28.86	
05 12 23 00-0269	LF	W30 x 132 A992/A36	Structural Beam Or Girder.....	216.23	60.88
			For High Strength Low Alloy A572-50 Steel, Add	19.46	
			For High Strength Low Alloy A588 Steel, Add	43.25	
			For Each Additional Top Copes >2, Add	1.51	
			For Structural Tees, WT, MT Or ST, Deduct	-65.94	
			For Skewed Or Sloped Connections, Add	25.95	
05 12 23 00-0270	LF	W30 x 124 A992/A36	Structural Beam Or Girder.....	207.02	60.84
			For High Strength Low Alloy A572-50 Steel, Add	18.63	
			For High Strength Low Alloy A588 Steel, Add	41.40	
			For Each Additional Top Copes >2, Add	1.42	
			For Structural Tees, WT, MT Or ST, Deduct	-62.72	
			For Skewed Or Sloped Connections, Add	24.84	
05 12 23 00-0271	LF	W30 x 116 A992/A36	Structural Beam Or Girder.....	204.74	67.29
			For High Strength Low Alloy A572-50 Steel, Add	18.43	
			For High Strength Low Alloy A588 Steel, Add	40.95	
			For Each Additional Top Copes >2, Add	1.33	
			For Structural Tees, WT, MT Or ST, Deduct	-60.89	
			For Skewed Or Sloped Connections, Add	24.57	
05 12 23 00-0272	LF	W30 x 108 A992/A36	Structural Beam Or Girder.....	189.02	60.58
			For High Strength Low Alloy A572-50 Steel, Add	17.01	
			For High Strength Low Alloy A588 Steel, Add	37.80	
			For Each Additional Top Copes >2, Add	1.24	
			For Structural Tees, WT, MT Or ST, Deduct	-56.47	
			For Skewed Or Sloped Connections, Add	22.68	
05 12 23 00-0273	LF	W30 x 99 A992/A36	Structural Beam Or Girder.....	181.18	60.29
			For High Strength Low Alloy A572-50 Steel, Add	16.31	
			For High Strength Low Alloy A588 Steel, Add	36.24	
			For Each Additional Top Copes >2, Add	1.17	
			For Structural Tees, WT, MT Or ST, Deduct	-53.78	
			For Skewed Or Sloped Connections, Add	21.74	
05 12 23 00-0274	LF	W27 x 178 A992/A36	Structural Beam Or Girder.....	284.20	73.87
			For High Strength Low Alloy A572-50 Steel, Add	25.58	
			For High Strength Low Alloy A588 Steel, Add	56.84	
			For Each Additional Top Copes >2, Add	2.05	
			For Structural Tees, WT, MT Or ST, Deduct	-87.65	
			For Skewed Or Sloped Connections, Add	34.10	
05 12 23 00-0275	LF	W27 x 161 A992/A36	Structural Beam Or Girder.....	261.60	71.08
			For High Strength Low Alloy A572-50 Steel, Add	23.54	
			For High Strength Low Alloy A588 Steel, Add	52.32	
			For Each Additional Top Copes >2, Add	1.86	
			For Structural Tees, WT, MT Or ST, Deduct	-80.19	
			For Skewed Or Sloped Connections, Add	31.39	
05 12 23 00-0276	LF	W27 x 146 A992/A36	Structural Beam Or Girder.....	241.61	68.57
			For High Strength Low Alloy A572-50 Steel, Add	21.74	
			For High Strength Low Alloy A588 Steel, Add	48.32	
			For Each Additional Top Copes >2, Add	1.68	
			For Structural Tees, WT, MT Or ST, Deduct	-73.59	
			For Skewed Or Sloped Connections, Add	28.99	
05 12 23 00-0277	LF	W27 x 114 A992/A36	Structural Beam Or Girder.....	192.31	56.96
			For High Strength Low Alloy A572-50 Steel, Add	17.31	
			For High Strength Low Alloy A588 Steel, Add	38.46	
			For Each Additional Top Copes >2, Add	1.32	
			For Structural Tees, WT, MT Or ST, Deduct	-58.19	
			For Skewed Or Sloped Connections, Add	23.08	
05 12 23 00-0278	LF	W27 x 102 A992/A36	Structural Beam Or Girder.....	181.98	60.29
			For High Strength Low Alloy A572-50 Steel, Add	16.38	
			For High Strength Low Alloy A588 Steel, Add	36.40	
			For Each Additional Top Copes >2, Add	1.18	
			For Structural Tees, WT, MT Or ST, Deduct	-54.05	
			For Skewed Or Sloped Connections, Add	21.84	
05 12 23 00-0279	LF	W27 x 94 A992/A36	Structural Beam Or Girder.....	174.60	59.89
			For High Strength Low Alloy A572-50 Steel, Add	15.71	
			For High Strength Low Alloy A588 Steel, Add	34.92	
			For Each Additional Top Copes >2, Add	1.11	
			For Structural Tees, WT, MT Or ST, Deduct	-51.53	
			For Skewed Or Sloped Connections, Add	20.95	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0280	LF		W27 x 84 A992/A36 Structural Beam Or Girder	165.60	59.48
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.90	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	33.12	
			<i>For Each Additional Top Copes >2, Add</i>	1.02	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-48.45	
			<i>For Skewed Or Sloped Connections, Add</i>	19.87	
05 12 23 00-0281	LF		W24 x 162 A992/A36 Structural Beam Or Girder	251.89	68.15
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	22.67	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	50.38	
			<i>For Each Additional Top Copes >2, Add</i>	1.79	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-77.26	
			<i>For Skewed Or Sloped Connections, Add</i>	30.23	
05 12 23 00-0282	LF		W24 x 146 A992/A36 Structural Beam Or Girder	231.19	65.33
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	20.81	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	46.24	
			<i>For Each Additional Top Copes >2, Add</i>	1.62	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-70.46	
			<i>For Skewed Or Sloped Connections, Add</i>	27.74	
05 12 23 00-0283	LF		W24 x 131 A992/A36 Structural Beam Or Girder	211.43	62.37
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	19.03	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	42.29	
			<i>For Each Additional Top Copes >2, Add</i>	1.45	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-64.02	
			<i>For Skewed Or Sloped Connections, Add</i>	25.37	
05 12 23 00-0284	LF		W24 x 117 A992/A36 Structural Beam Or Girder	192.62	59.26
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	17.34	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	38.52	
			<i>For Each Additional Top Copes >2, Add</i>	1.29	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-57.94	
			<i>For Skewed Or Sloped Connections, Add</i>	23.11	
05 12 23 00-0285	LF		W24 x 104 A992/A36 Structural Beam Or Girder	174.81	56.04
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	15.73	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	34.96	
			<i>For Each Additional Top Copes >2, Add</i>	1.15	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-52.22	
			<i>For Skewed Or Sloped Connections, Add</i>	20.98	
05 12 23 00-0286	LF		W24 x 94 A992/A36 Structural Beam Or Girder	167.86	59.89
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	15.11	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	33.57	
			<i>For Each Additional Top Copes >2, Add</i>	1.04	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-49.17	
			<i>For Skewed Or Sloped Connections, Add</i>	20.14	
05 12 23 00-0287	LF		W24 x 84 A992/A36 Structural Beam Or Girder	152.74	53.09
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	13.75	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	30.55	
			<i>For Each Additional Top Copes >2, Add</i>	0.96	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-44.96	
			<i>For Skewed Or Sloped Connections, Add</i>	18.33	
05 12 23 00-0288	LF		W24 x 76 A992/A36 Structural Beam Or Girder	145.84	52.68
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	13.13	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	29.17	
			<i>For Each Additional Top Copes >2, Add</i>	0.90	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-42.60	
			<i>For Skewed Or Sloped Connections, Add</i>	17.50	
05 12 23 00-0289	LF		W24 x 68 A992/A36 Structural Beam Or Girder	137.16	52.39
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.34	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	27.43	
			<i>For Each Additional Top Copes >2, Add</i>	0.81	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-39.62	
			<i>For Skewed Or Sloped Connections, Add</i>	16.46	
05 12 23 00-0290	LF		W24 x 62 A992/A36 Structural Beam Or Girder	132.60	52.09
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.93	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	26.52	
			<i>For Each Additional Top Copes >2, Add</i>	0.77	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-38.07	
			<i>For Skewed Or Sloped Connections, Add</i>	15.91	
05 12 23 00-0291	LF		W24 x 55 A992/A36 Structural Beam Or Girder	126.38	51.89
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.37	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	25.28	
			<i>For Each Additional Top Copes >2, Add</i>	0.71	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-35.94	
			<i>For Skewed Or Sloped Connections, Add</i>	15.17	
05 12 23 00-0292	LF		W21 x 147 A992/A36 Structural Beam Or Girder	219.46	56.05
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	19.75	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	43.89	
			<i>For Each Additional Top Copes >2, Add</i>	1.60	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-67.84	
			<i>For Skewed Or Sloped Connections, Add</i>	26.34	
05 12 23 00-0293	LF		W21 x 132 A992/A36 Structural Beam Or Girder	200.50	53.54
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	18.05	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	40.10	
			<i>For Each Additional Top Copes >2, Add</i>	1.43	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-61.61	
			<i>For Skewed Or Sloped Connections, Add</i>	24.06	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0294	LF		W21 x 122 A992/A36 Structural Beam Or Girder.....	188.67	52.65
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	16.98	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	37.73	
			<i>For Each Additional Top Copes >2, Add</i>	1.33	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-57.61	
			<i>For Skewed Or Sloped Connections, Add</i>	22.64	
05 12 23 00-0295	LF		W21 x 111 A992/A36 Structural Beam Or Girder.....	174.93	50.96
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	15.74	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	34.99	
			<i>For Each Additional Top Copes >2, Add</i>	1.21	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-53.07	
			<i>For Skewed Or Sloped Connections, Add</i>	20.99	
05 12 23 00-0296	LF		W21 x 101 A992/A36 Structural Beam Or Girder.....	162.32	49.33
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.61	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	32.46	
			<i>For Each Additional Top Copes >2, Add</i>	1.10	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-48.92	
			<i>For Skewed Or Sloped Connections, Add</i>	19.48	
05 12 23 00-0297	LF		W21 x 93 A992/A36 Structural Beam Or Girder	158.30	53.69
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.25	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	31.66	
			<i>For Each Additional Top Copes >2, Add</i>	1.01	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-46.81	
			<i>For Skewed Or Sloped Connections, Add</i>	19.00	
05 12 23 00-0298	LF		W21 x 83 A992/A36 Structural Beam Or Girder	150.14	53.09
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	13.51	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	30.03	
			<i>For Each Additional Top Copes >2, Add</i>	0.93	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-44.05	
			<i>For Skewed Or Sloped Connections, Add</i>	18.02	
05 12 23 00-0299	LF		W21 x 73 A992/A36 Structural Beam Or Girder	140.17	52.68
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.62	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	28.03	
			<i>For Each Additional Top Copes >2, Add</i>	0.84	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-40.63	
			<i>For Skewed Or Sloped Connections, Add</i>	16.82	
05 12 23 00-0300	LF		W21 x 68 A992/A36 Structural Beam Or Girder	135.15	52.39
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.16	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	27.03	
			<i>For Each Additional Top Copes >2, Add</i>	0.79	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-38.92	
			<i>For Skewed Or Sloped Connections, Add</i>	16.22	
05 12 23 00-0301	LF		W21 x 62 A992/A36 Structural Beam Or Girder	130.59	52.09
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.75	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	26.12	
			<i>For Each Additional Top Copes >2, Add</i>	0.75	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-37.37	
			<i>For Skewed Or Sloped Connections, Add</i>	15.67	
05 12 23 00-0302	LF		W21 x 57 A992/A36 Structural Beam Or Girder	126.48	51.99
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.38	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	25.30	
			<i>For Each Additional Top Copes >2, Add</i>	0.71	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-35.96	
			<i>For Skewed Or Sloped Connections, Add</i>	15.18	
05 12 23 00-0303	LF		W21 x 50 A992/A36 Structural Beam Or Girder	111.95	45.09
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.08	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	22.39	
			<i>For Each Additional Top Copes >2, Add</i>	0.64	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-31.95	
			<i>For Skewed Or Sloped Connections, Add</i>	13.43	
05 12 23 00-0304	LF		W21 x 44 A992/A36 Structural Beam Or Girder	107.15	44.89
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.64	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	21.43	
			<i>For Each Additional Top Copes >2, Add</i>	0.59	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-30.32	
			<i>For Skewed Or Sloped Connections, Add</i>	12.86	
05 12 23 00-0305	LF		W18 x 119 A992/A36 Structural Beam Or Girder.....	183.82	52.46
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	16.54	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	36.76	
			<i>For Each Additional Top Copes >2, Add</i>	1.28	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-55.94	
			<i>For Skewed Or Sloped Connections, Add</i>	22.06	
05 12 23 00-0306	LF		W18 x 106 A992/A36 Structural Beam Or Girder.....	166.92	49.72
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	15.02	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	33.38	
			<i>For Each Additional Top Copes >2, Add</i>	1.14	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-50.47	
			<i>For Skewed Or Sloped Connections, Add</i>	20.03	
05 12 23 00-0307	LF		W18 x 97 A992/A36 Structural Beam Or Girder	161.61	53.69
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.54	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	32.32	
			<i>For Each Additional Top Copes >2, Add</i>	1.04	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-47.96	
			<i>For Skewed Or Sloped Connections, Add</i>	19.39	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05	12	23	00-0308	LF W18 x 86 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	152.25 13.70 30.45 0.95 -44.77 18.27	53.19
05	12	23	00-0309	LF W18 x 76 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	143.83 12.94 28.77 0.88 -41.90 17.26	52.68
05	12	23	00-0310	LF W18 x 71 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	137.71 12.39 27.54 0.82 -39.79 16.53	52.59
05	12	23	00-0311	LF W18 x 65 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	131.72 11.85 26.34 0.76 -37.74 15.81	52.39
05	12	23	00-0312	LF W18 x 60 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	126.35 11.37 25.27 0.71 -35.90 15.16	51.99
05	12	23	00-0313	LF W18 x 55 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	120.94 10.88 24.19 0.66 -34.04 14.51	51.89
05	12	23	00-0314	LF W18 x 50 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	108.64 9.78 21.73 0.60 -30.80 13.04	45.09
05	12	23	00-0315	LF W18 x 46 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	104.42 9.40 20.88 0.56 -29.35 12.53	44.99
05	12	23	00-0316	LF W18 x 40 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	91.15 8.20 18.23 0.50 -25.75 10.94	38.39
05	12	23	00-0317	LF W18 x 35 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	85.86 7.73 17.17 0.45 -23.93 10.30	38.29
05	12	23	00-0318	LF W16 x 100 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	149.21 13.43 29.84 1.12 -46.65 17.91	34.90
05	12	23	00-0319	LF W16 x 89 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	137.26 12.35 27.45 1.01 -42.55 16.47	34.29
05	12	23	00-0320	LF W16 x 77 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	124.45 11.20 24.89 0.88 -38.14 14.93	33.89
05	12	23	00-0321	LF W16 x 67 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	113.55 10.22 22.71 0.78 -34.40 13.63	33.40

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0322	LF		W16 x 57 A992/A36 Structural Beam Or Girder	102.75	32.89
			For High Strength Low Alloy A572-50 Steel, Add	9.25	
			For High Strength Low Alloy A588 Steel, Add	20.55	
			For Each Additional Top Copes >2, Add	0.68	
			For Structural Tees, WT, MT Or ST, Deduct	-30.70	
			For Skewed Or Sloped Connections, Add	12.33	
05 12 23 00-0323	LF		W16 x 50 A992/A36 Structural Beam Or Girder	95.24	32.59
			For High Strength Low Alloy A572-50 Steel, Add	8.57	
			For High Strength Low Alloy A588 Steel, Add	19.05	
			For Each Additional Top Copes >2, Add	0.60	
			For Structural Tees, WT, MT Or ST, Deduct	-28.12	
			For Skewed Or Sloped Connections, Add	11.43	
05 12 23 00-0324	LF		W16 x 45 A992/A36 Structural Beam Or Girder	89.95	32.39
			For High Strength Low Alloy A572-50 Steel, Add	8.10	
			For High Strength Low Alloy A588 Steel, Add	17.99	
			For Each Additional Top Copes >2, Add	0.55	
			For Structural Tees, WT, MT Or ST, Deduct	-26.29	
			For Skewed Or Sloped Connections, Add	10.79	
05 12 23 00-0325	LF		W16 x 40 A992/A36 Structural Beam Or Girder	84.45	32.09
			For High Strength Low Alloy A572-50 Steel, Add	7.60	
			For High Strength Low Alloy A588 Steel, Add	16.89	
			For Each Additional Top Copes >2, Add	0.50	
			For Structural Tees, WT, MT Or ST, Deduct	-24.41	
			For Skewed Or Sloped Connections, Add	10.13	
05 12 23 00-0326	LF		W16 x 36 A992/A36 Structural Beam Or Girder	80.12	31.89
			For High Strength Low Alloy A572-50 Steel, Add	7.21	
			For High Strength Low Alloy A588 Steel, Add	16.02	
			For Each Additional Top Copes >2, Add	0.46	
			For Structural Tees, WT, MT Or ST, Deduct	-22.94	
			For Skewed Or Sloped Connections, Add	9.61	
05 12 23 00-0327	LF		W16 x 31 A992/A36 Structural Beam Or Girder	68.02	25.39
			For High Strength Low Alloy A572-50 Steel, Add	6.12	
			For High Strength Low Alloy A588 Steel, Add	13.60	
			For Each Additional Top Copes >2, Add	0.41	
			For Structural Tees, WT, MT Or ST, Deduct	-19.74	
			For Skewed Or Sloped Connections, Add	8.16	
05 12 23 00-0328	LF		W16 x 26 A992/A36 Structural Beam Or Girder	61.12	25.09
			For High Strength Low Alloy A572-50 Steel, Add	5.50	
			For High Strength Low Alloy A588 Steel, Add	12.22	
			For Each Additional Top Copes >2, Add	0.34	
			For Structural Tees, WT, MT Or ST, Deduct	-17.37	
			For Skewed Or Sloped Connections, Add	7.33	
05 12 23 00-0329	LF		W14 x 99 A992/A36 Structural Beam Or Girder	141.45	28.59
			For High Strength Low Alloy A572-50 Steel, Add	12.73	
			For High Strength Low Alloy A588 Steel, Add	28.29	
			For Each Additional Top Copes >2, Add	1.11	
			For Structural Tees, WT, MT Or ST, Deduct	-44.93	
			For Skewed Or Sloped Connections, Add	16.97	
05 12 23 00-0330	LF		W14 x 90 A992/A36 Structural Beam Or Girder	131.72	28.10
			For High Strength Low Alloy A572-50 Steel, Add	11.85	
			For High Strength Low Alloy A588 Steel, Add	26.34	
			For Each Additional Top Copes >2, Add	1.02	
			For Structural Tees, WT, MT Or ST, Deduct	-41.60	
			For Skewed Or Sloped Connections, Add	15.81	
05 12 23 00-0331	LF		W14 x 82 A992/A36 Structural Beam Or Girder	123.04	27.79
			For High Strength Low Alloy A572-50 Steel, Add	11.07	
			For High Strength Low Alloy A588 Steel, Add	24.61	
			For Each Additional Top Copes >2, Add	0.93	
			For Structural Tees, WT, MT Or ST, Deduct	-38.63	
			For Skewed Or Sloped Connections, Add	14.76	
05 12 23 00-0332	LF		W14 x 74 A992/A36 Structural Beam Or Girder	114.38	27.39
			For High Strength Low Alloy A572-50 Steel, Add	10.29	
			For High Strength Low Alloy A588 Steel, Add	22.88	
			For Each Additional Top Copes >2, Add	0.85	
			For Structural Tees, WT, MT Or ST, Deduct	-35.65	
			For Skewed Or Sloped Connections, Add	13.73	
05 12 23 00-0333	LF		W14 x 68 A992/A36 Structural Beam Or Girder	107.91	27.09
			For High Strength Low Alloy A572-50 Steel, Add	9.71	
			For High Strength Low Alloy A588 Steel, Add	21.58	
			For Each Additional Top Copes >2, Add	0.79	
			For Structural Tees, WT, MT Or ST, Deduct	-33.44	
			For Skewed Or Sloped Connections, Add	12.95	
05 12 23 00-0334	LF		W14 x 61 A992/A36 Structural Beam Or Girder	100.39	26.80
			For High Strength Low Alloy A572-50 Steel, Add	9.04	
			For High Strength Low Alloy A588 Steel, Add	20.08	
			For Each Additional Top Copes >2, Add	0.72	
			For Structural Tees, WT, MT Or ST, Deduct	-30.85	
			For Skewed Or Sloped Connections, Add	12.05	
05 12 23 00-0335	LF		W14 x 53 A992/A36 Structural Beam Or Girder	91.83	26.39
			For High Strength Low Alloy A572-50 Steel, Add	8.26	
			For High Strength Low Alloy A588 Steel, Add	18.37	
			For Each Additional Top Copes >2, Add	0.64	
			For Structural Tees, WT, MT Or ST, Deduct	-27.91	
			For Skewed Or Sloped Connections, Add	11.02	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05	12	23	00-0336	LF W14 x 48 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	86.34 7.77 17.27 0.58 -26.03 10.36	26.10
05	12	23	00-0337	LF W14 x 43 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	80.93 7.28 16.19 0.53 -24.17 9.71	25.99
05	12	23	00-0338	LF W14 x 38 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	75.53 6.80 15.11 0.48 -22.33 9.06	25.79
05	12	23	00-0339	LF W14 x 34 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	71.20 6.41 14.24 0.44 -20.84 8.54	25.50
05	12	23	00-0340	LF W14 x 30 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	66.86 6.02 13.37 0.40 -19.35 8.02	25.39
05	12	23	00-0341	LF W14 x 26 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	62.52 5.63 12.50 0.36 -17.86 7.50	25.09
05	12	23	00-0342	LF W14 x 22 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	58.30 5.25 11.66 0.32 -16.42 7.00	25.00
05	12	23	00-0343	LF W12 x 87 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	128.56 11.57 25.71 0.99 -40.51 15.43	27.99
05	12	23	00-0344	LF W12 x 79 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	119.87 10.79 23.97 0.90 -37.53 14.38	27.59
05	12	23	00-0345	LF W12 x 72 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	112.25 10.10 22.45 0.83 -34.92 13.47	27.29
05	12	23	00-0346	LF W12 x 65 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	104.74 9.43 20.95 0.76 -32.34 12.57	27.00
05	12	23	00-0347	LF W12 x 58 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	97.12 8.74 19.42 0.69 -29.73 11.65	26.60
05	12	23	00-0348	LF W12 x 53 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	91.83 8.26 18.37 0.64 -27.91 11.02	26.39
05	12	23	00-0349	LF W12 x 50 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	88.44 7.96 17.69 0.60 -26.76 10.61	26.29

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0350	LF		W12 x 45 A992/A36 Structural Beam Or Girder	83.15	26.10
			For High Strength Low Alloy A572-50 Steel, Add	7.48	
			For High Strength Low Alloy A588 Steel, Add	16.63	
			For Each Additional Top Copes >2, Add	0.55	
			For Structural Tees, WT, MT Or ST, Deduct	-24.93	
			For Skewed Or Sloped Connections, Add	9.98	
05 12 23 00-0351	LF		W12 x 40 A992/A36 Structural Beam Or Girder	70.86	19.39
			For High Strength Low Alloy A572-50 Steel, Add	6.38	
			For High Strength Low Alloy A588 Steel, Add	14.17	
			For Each Additional Top Copes >2, Add	0.50	
			For Structural Tees, WT, MT Or ST, Deduct	-21.70	
			For Skewed Or Sloped Connections, Add	8.50	
05 12 23 00-0352	LF		W12 x 35 A992/A36 Structural Beam Or Girder	65.56	19.30
			For High Strength Low Alloy A572-50 Steel, Add	5.90	
			For High Strength Low Alloy A588 Steel, Add	13.11	
			For Each Additional Top Copes >2, Add	0.45	
			For Structural Tees, WT, MT Or ST, Deduct	-19.87	
			For Skewed Or Sloped Connections, Add	7.87	
05 12 23 00-0353	LF		W12 x 30 A992/A36 Structural Beam Or Girder	60.06	18.99
			For High Strength Low Alloy A572-50 Steel, Add	5.41	
			For High Strength Low Alloy A588 Steel, Add	12.01	
			For Each Additional Top Copes >2, Add	0.40	
			For Structural Tees, WT, MT Or ST, Deduct	-17.99	
			For Skewed Or Sloped Connections, Add	7.21	
05 12 23 00-0354	LF		W12 x 26 A992/A36 Structural Beam Or Girder	55.72	18.79
			For High Strength Low Alloy A572-50 Steel, Add	5.01	
			For High Strength Low Alloy A588 Steel, Add	11.14	
			For Each Additional Top Copes >2, Add	0.36	
			For Structural Tees, WT, MT Or ST, Deduct	-16.50	
			For Skewed Or Sloped Connections, Add	6.69	
05 12 23 00-0355	LF		W12 x 22 A992/A36 Structural Beam Or Girder	51.50	18.59
			For High Strength Low Alloy A572-50 Steel, Add	4.64	
			For High Strength Low Alloy A588 Steel, Add	10.30	
			For Each Additional Top Copes >2, Add	0.32	
			For Structural Tees, WT, MT Or ST, Deduct	-15.06	
			For Skewed Or Sloped Connections, Add	6.18	
05 12 23 00-0356	LF		W12 x 19 A992/A36 Structural Beam Or Girder	48.21	18.50
			For High Strength Low Alloy A572-50 Steel, Add	4.34	
			For High Strength Low Alloy A588 Steel, Add	9.64	
			For Each Additional Top Copes >2, Add	0.29	
			For Structural Tees, WT, MT Or ST, Deduct	-13.92	
			For Skewed Or Sloped Connections, Add	5.79	
05 12 23 00-0357	LF		W12 x 16 A992/A36 Structural Beam Or Girder	44.93	18.20
			For High Strength Low Alloy A572-50 Steel, Add	4.04	
			For High Strength Low Alloy A588 Steel, Add	8.99	
			For Each Additional Top Copes >2, Add	0.25	
			For Structural Tees, WT, MT Or ST, Deduct	-12.80	
			For Skewed Or Sloped Connections, Add	5.39	
05 12 23 00-0358	LF		W12 x 14 A992/A36 Structural Beam Or Girder	42.81	18.20
			For High Strength Low Alloy A572-50 Steel, Add	3.85	
			For High Strength Low Alloy A588 Steel, Add	8.56	
			For Each Additional Top Copes >2, Add	0.23	
			For Structural Tees, WT, MT Or ST, Deduct	-12.08	
			For Skewed Or Sloped Connections, Add	5.14	
05 12 23 00-0359	LF		W10 x 68 A992/A36 Structural Beam Or Girder	101.46	20.90
			For High Strength Low Alloy A572-50 Steel, Add	9.13	
			For High Strength Low Alloy A588 Steel, Add	20.29	
			For Each Additional Top Copes >2, Add	0.79	
			For Structural Tees, WT, MT Or ST, Deduct	-32.18	
			For Skewed Or Sloped Connections, Add	12.18	
05 12 23 00-0360	LF		W10 x 60 A992/A36 Structural Beam Or Girder	92.88	20.49
			For High Strength Low Alloy A572-50 Steel, Add	8.36	
			For High Strength Low Alloy A588 Steel, Add	18.58	
			For Each Additional Top Copes >2, Add	0.71	
			For Structural Tees, WT, MT Or ST, Deduct	-29.24	
			For Skewed Or Sloped Connections, Add	11.15	
05 12 23 00-0361	LF		W10 x 54 A992/A36 Structural Beam Or Girder	86.32	20.09
			For High Strength Low Alloy A572-50 Steel, Add	7.77	
			For High Strength Low Alloy A588 Steel, Add	17.26	
			For Each Additional Top Copes >2, Add	0.65	
			For Structural Tees, WT, MT Or ST, Deduct	-26.99	
			For Skewed Or Sloped Connections, Add	10.36	
05 12 23 00-0362	LF		W10 x 49 A992/A36 Structural Beam Or Girder	80.93	19.89
			For High Strength Low Alloy A572-50 Steel, Add	7.28	
			For High Strength Low Alloy A588 Steel, Add	16.19	
			For Each Additional Top Copes >2, Add	0.60	
			For Structural Tees, WT, MT Or ST, Deduct	-25.15	
			For Skewed Or Sloped Connections, Add	9.71	
05 12 23 00-0363	LF		W10 x 45 A992/A36 Structural Beam Or Girder	76.59	19.80
			For High Strength Low Alloy A572-50 Steel, Add	6.89	
			For High Strength Low Alloy A588 Steel, Add	15.32	
			For Each Additional Top Copes >2, Add	0.56	
			For Structural Tees, WT, MT Or ST, Deduct	-23.66	
			For Skewed Or Sloped Connections, Add	9.19	



	Metals	05
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0364	LF		W10 x 39 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	70.15 6.31 14.03 0.49 -21.45 8.42	19.39
05 12 23 00-0365	LF		W10 x 33 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	63.70 5.73 12.74 0.43 -19.24 7.64	19.10
05 12 23 00-0366	LF		W10 x 30 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	60.39 5.44 12.08 0.40 -18.09 7.25	18.99
05 12 23 00-0367	LF		W10 x 26 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	56.17 5.06 11.23 0.36 -16.65 6.74	18.90
05 12 23 00-0368	LF		W10 x 22 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	51.74 4.66 10.35 0.32 -15.14 6.21	18.59
05 12 23 00-0369	LF		W10 x 19 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	48.56 4.37 9.71 0.29 -14.04 5.83	18.50
05 12 23 00-0370	LF		W10 x 17 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	46.33 4.17 9.27 0.27 -13.28 5.56	18.40
05 12 23 00-0371	LF		W10 x 15 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	44.22 3.98 8.84 0.25 -12.55 5.31	18.20
05 12 23 00-0372	LF		W10 x 12 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	41.04 3.69 8.21 0.22 -11.46 4.92	18.20
05 12 23 00-0373	LF		W8 x 35 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	65.80 5.92 13.16 0.45 -19.96 7.90	19.30
05 12 23 00-0374	LF		W8 x 31 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	61.46 5.53 12.29 0.41 -18.47 7.38	18.99
05 12 23 00-0375	LF		W8 x 28 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	57.19 5.15 11.44 0.38 -17.15 6.86	17.89
05 12 23 00-0376	LF		W8 x 24 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	52.21 4.70 10.44 0.34 -15.59 6.27	16.79
05 12 23 00-0377	LF		W8 x 21 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	48.60 4.37 9.72 0.32 -14.51 5.83	15.60

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0378	LF	W8 x 18 A992/A36	Structural Beam Or Girder	42.65	14.50
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	3.84	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	8.53	
			<i>For Each Additional Top Copes >2, Add</i>	0.27	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-12.60	
			<i>For Skewed Or Sloped Connections, Add</i>	5.12	
05 12 23 00-0379	LF	W8 x 10 A992/A36	Structural Beam Or Girder	25.50	10.40
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	2.30	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	5.10	
			<i>For Each Additional Top Copes >2, Add</i>	0.15	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-7.28	
			<i>For Skewed Or Sloped Connections, Add</i>	3.06	
05 12 23 00-0380	LF	W6 x 9 A992/A36	Structural Beam Or Girder	23.31	8.50
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	2.10	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	4.66	
			<i>For Each Additional Top Copes >2, Add</i>	0.14	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-6.81	
			<i>For Skewed Or Sloped Connections, Add</i>	2.80	
05 12 23 00-0381		A992/A36 Structural Steel, M Shapes	<small>(05 12 23 00-0163)</small>		
			Note: Includes material delivery and erection.		
05 12 23 00-0382	LF	M14 x 18 A992/A36	Structural Steel	47.66	13.83
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.29	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	9.53	
05 12 23 00-0383	LF	M12 x 11.8 A992/A36	Structural Steel	34.62	12.23
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	3.12	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	6.92	
05 12 23 00-0384	LF	M10 x 9 A992/A36	Structural Steel	26.93	9.81
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	2.42	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	5.39	
05 12 23 00-0385	LF	M8 x 6.5 A992/A36	Structural Steel	19.45	7.08
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	1.75	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	3.89	
05 12 23 00-0386	LF	M6 x 20 A992/A36	Structural Steel	53.58	16.10
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.82	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	10.72	
05 12 23 00-0387	LF	M6 x 4.4 A992/A36	Structural Steel	13.16	4.79
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	1.18	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	2.63	
05 12 23 00-0388	LF	M5 x 18.9 A992/A36	Structural Steel	51.71	16.10
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.65	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	10.34	
05 12 23 00-0389	LF	M4 x 13 A992/A36	Structural Steel	42.81	15.80
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	3.85	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	8.56	
05 12 23 00-0390		A992/A36 Structural Steel, S Shapes	<small>(05 12 23 00-0163)</small>		
			Note: Includes material delivery and erection.		
05 12 23 00-0391	LF	S24 x 121 A992/A36	Structural Steel	284.34	70.01
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	25.59	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	56.87	
05 12 23 00-0392	LF	S24 x 106 A992/A36	Structural Steel	252.55	64.56
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	22.73	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	50.51	
05 12 23 00-0393	LF	S24 x 100 A992/A36	Structural Steel	241.66	64.11
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	21.75	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	48.33	
05 12 23 00-0394	LF	S24 x 90 A992/A36	Structural Steel	220.74	60.74
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	19.87	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	44.15	
05 12 23 00-0395	LF	S24 x 80 A992/A36	Structural Steel	199.23	56.83
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	17.93	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	39.85	
05 12 23 00-0396	LF	S20 x 96 A992/A36	Structural Steel	232.01	61.55
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	20.88	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	46.40	
05 12 23 00-0397	LF	S20 x 86 A992/A36	Structural Steel	210.93	58.04
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	18.98	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	42.19	
05 12 23 00-0398	LF	S20 x 75 A992/A36	Structural Steel	186.78	53.28
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	16.81	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	37.36	
05 12 23 00-0399	LF	S20 x 66 A992/A36	Structural Steel	167.00	49.36
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	15.03	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	33.40	
05 12 23 00-0400	LF	S18 x 70 A992/A36	Structural Steel	177.13	52.34
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	15.94	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	35.43	
05 12 23 00-0401	LF	S18 x 54.7 A992/A36	Structural Steel	140.70	43.06
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.66	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	28.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0402 LF S15 x 50 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	130.83 11.77 26.17	41.43
05 12 23 00-0403 LF S15 x 42.9 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	114.24 10.28 22.85	37.41
05 12 23 00-0404 LF S12 x 50 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	128.62 11.58 25.72	39.36
05 12 23 00-0405 LF S12 x 40.8 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	106.75 9.61 21.35	33.81
05 12 23 00-0406 LF S12 x 35 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	93.20 8.39 18.64	30.53
05 12 23 00-0407 LF S12 x 31.8 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	86.24 7.76 17.25	29.19
05 12 23 00-0408 LF S10 x 35 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	94.92 8.54 18.98	32.14
05 12 23 00-0409 LF S10 x 25.4 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	70.19 6.32 14.04	24.54
05 12 23 00-0410 LF S8 x 23 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	63.56 5.72 12.71	22.23
05 12 23 00-0411 LF S8 x 18.4 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	51.84 4.67 10.37	18.72
05 12 23 00-0412 LF S7 x 20 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	56.35 5.07 11.27	20.35
05 12 23 00-0413 LF S7 x 15.3 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	43.99 3.96 8.80	16.39
05 12 23 00-0414 LF S6 x 17.25 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	47.90 4.31 9.58	16.88
05 12 23 00-0415 LF S6 x 12.5 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	41.22 3.71 8.24	15.60
05 12 23 00-0416 LF S5 x 14.75 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	43.78 3.94 8.76	15.89
05 12 23 00-0417 LF S5 x 10 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	37.45 3.37 7.49	15.49
05 12 23 00-0418 LF S4 x 9.5 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	36.48 3.28 7.30	15.49
05 12 23 00-0419 LF S4 x 7.7 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	34.24 3.08 6.85	15.49
05 12 23 00-0420 LF S3 x 7.5 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	34.03 3.06 6.81	15.49
05 12 23 00-0421 LF S3 x 5.7 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	31.35 2.82 6.27	15.40
05 12 23 00-0422 A992/A36 Structural Steel, HP Shapes <small>(05 12 23 00-0163)</small>		
Note: Includes material delivery and erection.		
05 12 23 00-0423 LF HP14 x 117 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	171.05 15.39 34.21	20.74
05 12 23 00-0424 LF HP14 x 102 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	149.88 13.49 29.98	19.30
05 12 23 00-0425 LF HP14 x 89 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	133.71 12.03 26.74	18.10
05 12 23 00-0426 LF HP14 x 73 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	111.07 10.00 22.21	17.07
05 12 23 00-0427 LF HP13 x 100 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	146.95 13.23 29.39	18.93
05 12 23 00-0428 LF HP13 x 87 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	130.70 11.76 26.14	17.70
05 12 23 00-0429 LF HP13 x 73 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	111.07 10.00 22.21	17.07

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0430	LF		HP13 x 60 A992/A36 Structural Steel.....	94.46	16.35
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.50	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	18.89	
05 12 23 00-0431	LF		HP12 x 84 A992/A36 Structural Steel.....	123.66	18.67
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.13	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	24.73	
05 12 23 00-0432	LF		HP12 x 74 A992/A36 Structural Steel.....	109.47	17.60
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.85	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	21.89	
05 12 23 00-0433	LF		HP12 x 63 A992/A36 Structural Steel.....	94.42	16.19
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.50	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	18.88	
05 12 23 00-0434	LF		HP12 x 53 A992/A36 Structural Steel.....	86.67	15.39
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.80	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	17.33	
05 12 23 00-0435	LF		HP10 x 57 A992/A36 Structural Steel.....	91.22	15.80
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.21	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	18.24	
05 12 23 00-0436	LF		HP10 x 42 A992/A36 Structural Steel.....	75.52	14.80
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.80	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	15.10	
05 12 23 00-0437	LF		HP8 x 36 A992/A36 Structural Steel.....	65.85	13.96
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.93	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	13.17	
05 12 23 00-0438			Lightweight Framing Steel Shapes (05 12 23)		
05 12 23 00-0439			Angle Iron - L (05 12 23 00-0438)		
05 12 23 00-0440			1/8" Thick (05 12 23 00-0439)		
05 12 23 00-0441	LF		1/2" x 1/2" x 1/8" Angle Iron.....	2.30	1.42
			<i>For >100 To 250, Deduct</i>	-0.14	
			<i>For >250 To 500, Deduct</i>	-0.20	
			<i>For >500 To 1,000, Deduct</i>	-0.30	
			<i>For >1,000, Deduct</i>	-0.41	
			<i>For Galvanized Steel, Add</i>	0.25	
			<i>For 304 Stainless Steel, Add</i>	1.17	
			<i>For High Strength Steel (HSS), Add</i>	0.46	
05 12 23 00-0442	LF		3/4" x 1/2" x 1/8" Angle Iron.....	2.65	1.61
			<i>For >100 To 250, Deduct</i>	-0.16	
			<i>For >250 To 500, Deduct</i>	-0.23	
			<i>For >500 To 1,000, Deduct</i>	-0.35	
			<i>For >1,000, Deduct</i>	-0.47	
			<i>For Galvanized Steel, Add</i>	0.32	
			<i>For 304 Stainless Steel, Add</i>	1.45	
			<i>For High Strength Steel (HSS), Add</i>	0.53	
05 12 23 00-0443	LF		3/4" x 3/4" x 1/8" Angle Iron.....	2.99	1.77
			<i>For >100 To 250, Deduct</i>	-0.18	
			<i>For >250 To 500, Deduct</i>	-0.25	
			<i>For >500 To 1,000, Deduct</i>	-0.39	
			<i>For >1,000, Deduct</i>	-0.52	
			<i>For Galvanized Steel, Add</i>	0.39	
			<i>For 304 Stainless Steel, Add</i>	1.80	
			<i>For High Strength Steel (HSS), Add</i>	0.60	
05 12 23 00-0444	LF		1" x 3/4" x 1/8" Angle Iron.....	3.36	1.97
			<i>For >100 To 250, Deduct</i>	-0.20	
			<i>For >250 To 500, Deduct</i>	-0.28	
			<i>For >500 To 1,000, Deduct</i>	-0.43	
			<i>For >1,000, Deduct</i>	-0.58	
			<i>For Galvanized Steel, Add</i>	0.45	
			<i>For 304 Stainless Steel, Add</i>	2.08	
			<i>For High Strength Steel (HSS), Add</i>	0.67	
05 12 23 00-0445	LF		1" x 1" x 1/8" Angle Iron.....	3.70	2.12
			<i>For >100 To 250, Deduct</i>	-0.21	
			<i>For >250 To 500, Deduct</i>	-0.31	
			<i>For >500 To 1,000, Deduct</i>	-0.47	
			<i>For >1,000, Deduct</i>	-0.63	
			<i>For Galvanized Steel, Add</i>	0.53	
			<i>For 304 Stainless Steel, Add</i>	2.45	
			<i>For High Strength Steel (HSS), Add</i>	0.74	
05 12 23 00-0446	LF		1-1/4" x 1-1/4" x 1/8" Angle Iron.....	4.42	2.51
			<i>For >100 To 250, Deduct</i>	-0.25	
			<i>For >250 To 500, Deduct</i>	-0.36	
			<i>For >500 To 1,000, Deduct</i>	-0.56	
			<i>For >1,000, Deduct</i>	-0.75	
			<i>For Galvanized Steel, Add</i>	0.67	
			<i>For 304 Stainless Steel, Add</i>	3.08	
			<i>For High Strength Steel (HSS), Add</i>	0.88	
05 12 23 00-0447	LF		1-1/2" x 1" x 1/8" Angle Iron.....	4.42	2.51
			<i>For >100 To 250, Deduct</i>	-0.25	
			<i>For >250 To 500, Deduct</i>	-0.36	
			<i>For >500 To 1,000, Deduct</i>	-0.56	
			<i>For >1,000, Deduct</i>	-0.75	
			<i>For Galvanized Steel, Add</i>	0.67	
			<i>For 304 Stainless Steel, Add</i>	3.08	
			<i>For High Strength Steel (HSS), Add</i>	0.88	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0448	LF		1-1/2" x 1-1/2" x 1/8" Angle Iron.....	5.29	3.00
			<i>For >100 To 250, Deduct</i>	-0.30	
			<i>For >250 To 500, Deduct</i>	-0.43	
			<i>For >500 To 1,000, Deduct</i>	-0.66	
			<i>For >1,000, Deduct</i>	-0.90	
			<i>For Galvanized Steel, Add</i>	0.81	
			<i>For 304 Stainless Steel, Add</i>	3.71	
			<i>For High Strength Steel (HSS), Add</i>	1.06	
05 12 23 00-0449	LF		2" x 2" x 1/8" Angle Iron.....	7.19	4.08
			<i>For >100 To 250, Deduct</i>	-0.41	
			<i>For >250 To 500, Deduct</i>	-0.59	
			<i>For >500 To 1,000, Deduct</i>	-0.90	
			<i>For >1,000, Deduct</i>	-1.22	
			<i>For Galvanized Steel, Add</i>	1.10	
			<i>For 304 Stainless Steel, Add</i>	5.04	
			<i>For High Strength Steel (HSS), Add</i>	1.44	
05 12 23 00-0450			3/16" Thick <small>(05 12 23 00-0439)</small>		
05 12 23 00-0451	LF		1-1/4" x 1-1/4" x 3/16" Angle Iron.....	5.10	2.65
			<i>For >100 To 250, Deduct</i>	-0.26	
			<i>For >250 To 500, Deduct</i>	-0.39	
			<i>For >500 To 1,000, Deduct</i>	-0.61	
			<i>For >1,000, Deduct</i>	-0.82	
			<i>For Galvanized Steel, Add</i>	0.98	
			<i>For 304 Stainless Steel, Add</i>	4.50	
			<i>For High Strength Steel (HSS), Add</i>	1.02	
05 12 23 00-0452	LF		1-1/2" x 1" x 3/16" Angle Iron.....	5.10	2.65
			<i>For >100 To 250, Deduct</i>	-0.26	
			<i>For >250 To 500, Deduct</i>	-0.39	
			<i>For >500 To 1,000, Deduct</i>	-0.61	
			<i>For >1,000, Deduct</i>	-0.82	
			<i>For Galvanized Steel, Add</i>	0.98	
			<i>For 304 Stainless Steel, Add</i>	4.50	
			<i>For High Strength Steel (HSS), Add</i>	1.02	
05 12 23 00-0453	LF		1-1/2" x 1-1/2" x 3/16" Angle Iron.....	5.70	2.84
			<i>For >100 To 250, Deduct</i>	-0.28	
			<i>For >250 To 500, Deduct</i>	-0.43	
			<i>For >500 To 1,000, Deduct</i>	-0.66	
			<i>For >1,000, Deduct</i>	-0.90	
			<i>For Galvanized Steel, Add</i>	1.20	
			<i>For 304 Stainless Steel, Add</i>	5.50	
			<i>For High Strength Steel (HSS), Add</i>	1.14	
05 12 23 00-0454	LF		2" x 2" x 3/16" Angle Iron.....	6.66	3.04
			<i>For >100 To 250, Deduct</i>	-0.30	
			<i>For >250 To 500, Deduct</i>	-0.47	
			<i>For >500 To 1,000, Deduct</i>	-0.74	
			<i>For >1,000, Deduct</i>	-1.00	
			<i>For Galvanized Steel, Add</i>	1.62	
			<i>For 304 Stainless Steel, Add</i>	7.47	
			<i>For High Strength Steel (HSS), Add</i>	1.33	
05 12 23 00-0455	LF		2-1/2" x 2" x 3/16" Angle Iron.....	7.29	3.25
			<i>For >100 To 250, Deduct</i>	-0.33	
			<i>For >250 To 500, Deduct</i>	-0.51	
			<i>For >500 To 1,000, Deduct</i>	-0.80	
			<i>For >1,000, Deduct</i>	-1.09	
			<i>For Galvanized Steel, Add</i>	1.83	
			<i>For 304 Stainless Steel, Add</i>	8.41	
			<i>For High Strength Steel (HSS), Add</i>	1.46	
05 12 23 00-0456	LF		2-1/2" x 2-1/2" x 3/16" Angle Iron.....	7.95	3.48
			<i>For >100 To 250, Deduct</i>	-0.35	
			<i>For >250 To 500, Deduct</i>	-0.55	
			<i>For >500 To 1,000, Deduct</i>	-0.86	
			<i>For >1,000, Deduct</i>	-1.18	
			<i>For Galvanized Steel, Add</i>	2.05	
			<i>For 304 Stainless Steel, Add</i>	9.41	
			<i>For High Strength Steel (HSS), Add</i>	1.59	
05 12 23 00-0457	LF		3" x 2" x 3/16" Angle Iron.....	7.95	3.48
			<i>For >100 To 250, Deduct</i>	-0.35	
			<i>For >250 To 500, Deduct</i>	-0.55	
			<i>For >500 To 1,000, Deduct</i>	-0.86	
			<i>For >1,000, Deduct</i>	-1.18	
			<i>For Galvanized Steel, Add</i>	2.05	
			<i>For 304 Stainless Steel, Add</i>	9.41	
			<i>For High Strength Steel (HSS), Add</i>	1.59	
05 12 23 00-0458	LF		3" x 2-1/2" x 3/16" Angle Iron.....	8.77	3.84
			<i>For >100 To 250, Deduct</i>	-0.38	
			<i>For >250 To 500, Deduct</i>	-0.60	
			<i>For >500 To 1,000, Deduct</i>	-0.95	
			<i>For >1,000, Deduct</i>	-1.30	
			<i>For Galvanized Steel, Add</i>	2.26	
			<i>For 304 Stainless Steel, Add</i>	10.37	
			<i>For High Strength Steel (HSS), Add</i>	1.75	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0459	LF		3" x 3" x 3/16" Angle Iron	9.59	4.22
			<i>For >100 To 250, Deduct</i>	-0.42	
			<i>For >250 To 500, Deduct</i>	-0.66	
			<i>For >500 To 1,000, Deduct</i>	-1.04	
			<i>For >1,000, Deduct</i>	-1.42	
			<i>For Galvanized Steel, Add</i>	2.47	
			<i>For 304 Stainless Steel, Add</i>	11.34	
			<i>For High Strength Steel (HSS), Add</i>	1.92	
05 12 23 00-0460			1/4" Thick (05 12 23 00-0439)		
05 12 23 00-0461	LF		1-1/2" x 1" x 1/4" Angle Iron	5.76	2.80
			<i>For >100 To 250, Deduct</i>	-0.28	
			<i>For >250 To 500, Deduct</i>	-0.42	
			<i>For >500 To 1,000, Deduct</i>	-0.66	
			<i>For >1,000, Deduct</i>	-0.90	
			<i>For Galvanized Steel, Add</i>	1.26	
			<i>For 304 Stainless Steel, Add</i>	5.81	
			<i>For High Strength Steel (HSS), Add</i>	1.15	
05 12 23 00-0462	LF		1-1/2" x 1-1/2" x 1/4" Angle Iron	6.47	2.99
			<i>For >100 To 250, Deduct</i>	-0.30	
			<i>For >250 To 500, Deduct</i>	-0.46	
			<i>For >500 To 1,000, Deduct</i>	-0.72	
			<i>For >1,000, Deduct</i>	-0.98	
			<i>For Galvanized Steel, Add</i>	1.54	
			<i>For 304 Stainless Steel, Add</i>	7.10	
			<i>For High Strength Steel (HSS), Add</i>	1.29	
05 12 23 00-0463	LF		2" x 2" x 1/4" Angle Iron	7.67	3.19
			<i>For >100 To 250, Deduct</i>	-0.32	
			<i>For >250 To 500, Deduct</i>	-0.51	
			<i>For >500 To 1,000, Deduct</i>	-0.81	
			<i>For >1,000, Deduct</i>	-1.11	
			<i>For Galvanized Steel, Add</i>	2.12	
			<i>For 304 Stainless Steel, Add</i>	9.75	
			<i>For High Strength Steel (HSS), Add</i>	1.53	
05 12 23 00-0464	LF		2-1/2" x 2" x 1/4" Angle Iron	8.60	3.53
			<i>For >100 To 250, Deduct</i>	-0.35	
			<i>For >250 To 500, Deduct</i>	-0.57	
			<i>For >500 To 1,000, Deduct</i>	-0.90	
			<i>For >1,000, Deduct</i>	-1.23	
			<i>For Galvanized Steel, Add</i>	2.41	
			<i>For 304 Stainless Steel, Add</i>	11.09	
			<i>For High Strength Steel (HSS), Add</i>	1.72	
05 12 23 00-0465	LF		2-1/2" x 2-1/2" x 1/4" Angle Iron	9.55	3.87
			<i>For >100 To 250, Deduct</i>	-0.39	
			<i>For >250 To 500, Deduct</i>	-0.63	
			<i>For >500 To 1,000, Deduct</i>	-0.99	
			<i>For >1,000, Deduct</i>	-1.36	
			<i>For Galvanized Steel, Add</i>	2.72	
			<i>For 304 Stainless Steel, Add</i>	12.51	
			<i>For High Strength Steel (HSS), Add</i>	1.91	
05 12 23 00-0466	LF		3" x 2" x 1/4" Angle Iron	9.55	3.87
			<i>For >100 To 250, Deduct</i>	-0.39	
			<i>For >250 To 500, Deduct</i>	-0.63	
			<i>For >500 To 1,000, Deduct</i>	-0.99	
			<i>For >1,000, Deduct</i>	-1.36	
			<i>For Galvanized Steel, Add</i>	2.72	
			<i>For 304 Stainless Steel, Add</i>	12.51	
			<i>For High Strength Steel (HSS), Add</i>	1.91	
05 12 23 00-0467	LF		3" x 2-1/2" x 1/4" Angle Iron	10.56	4.30
			<i>For >100 To 250, Deduct</i>	-0.43	
			<i>For >250 To 500, Deduct</i>	-0.69	
			<i>For >500 To 1,000, Deduct</i>	-1.10	
			<i>For >1,000, Deduct</i>	-1.51	
			<i>For Galvanized Steel, Add</i>	2.99	
			<i>For 304 Stainless Steel, Add</i>	13.77	
			<i>For High Strength Steel (HSS), Add</i>	2.11	
05 12 23 00-0468	LF		3" x 3" x 1/4" Angle Iron	11.55	4.72
			<i>For >100 To 250, Deduct</i>	-0.47	
			<i>For >250 To 500, Deduct</i>	-0.76	
			<i>For >500 To 1,000, Deduct</i>	-1.21	
			<i>For >1,000, Deduct</i>	-1.65	
			<i>For Galvanized Steel, Add</i>	3.26	
			<i>For 304 Stainless Steel, Add</i>	14.96	
			<i>For High Strength Steel (HSS), Add</i>	2.31	
05 12 23 00-0469	LF		3-1/2" x 3" x 1/4" Angle Iron	12.55	5.07
			<i>For >100 To 250, Deduct</i>	-0.51	
			<i>For >250 To 500, Deduct</i>	-0.82	
			<i>For >500 To 1,000, Deduct</i>	-1.30	
			<i>For >1,000, Deduct</i>	-1.79	
			<i>For Galvanized Steel, Add</i>	3.58	
			<i>For 304 Stainless Steel, Add</i>	16.47	
			<i>For High Strength Steel (HSS), Add</i>	2.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0470 LF 3-1/2" x 3-1/2" x 1/4" Angle Iron.....	13.30	0.53
For >100 To 250, Deduct	-0.53	
For >250 To 500, Deduct	-0.86	
For >500 To 1,000, Deduct	-1.37	
For >1,000, Deduct	-1.88	
For Galvanized Steel, Add	3.86	
For 304 Stainless Steel, Add	17.76	
For High Strength Steel (HSS), Add	2.66	
05 12 23 00-0471 LF 4" x 3" x 1/4" Angle Iron.....	13.30	5.30
For >100 To 250, Deduct	-0.53	
For >250 To 500, Deduct	-0.86	
For >500 To 1,000, Deduct	-1.37	
For >1,000, Deduct	-1.88	
For Galvanized Steel, Add	3.86	
For 304 Stainless Steel, Add	17.76	
For High Strength Steel (HSS), Add	2.66	
05 12 23 00-0472 LF 4" x 3-1/2" x 1/4" Angle Iron.....	14.01	5.52
For >100 To 250, Deduct	-0.55	
For >250 To 500, Deduct	-0.90	
For >500 To 1,000, Deduct	-1.44	
For >1,000, Deduct	-1.97	
For Galvanized Steel, Add	4.12	
For 304 Stainless Steel, Add	18.92	
For High Strength Steel (HSS), Add	2.80	
05 12 23 00-0473 LF 4" x 4" x 1/4" Angle Iron.....	14.77	5.77
For >100 To 250, Deduct	-0.58	
For >250 To 500, Deduct	-0.95	
For >500 To 1,000, Deduct	-1.51	
For >1,000, Deduct	-2.07	
For Galvanized Steel, Add	4.40	
For 304 Stainless Steel, Add	20.21	
For High Strength Steel (HSS), Add	2.95	
05 12 23 00-0474 LF 5" x 3" x 1/4" Angle Iron.....	14.77	5.77
For >100 To 250, Deduct	-0.58	
For >250 To 500, Deduct	-0.95	
For >500 To 1,000, Deduct	-1.51	
For >1,000, Deduct	-2.07	
For Galvanized Steel, Add	4.40	
For 304 Stainless Steel, Add	20.21	
For High Strength Steel (HSS), Add	2.95	
05 12 23 00-0475 LF 5" x 3-1/2" x 1/4" Angle Iron.....	15.59	6.07
For >100 To 250, Deduct	-0.61	
For >250 To 500, Deduct	-1.00	
For >500 To 1,000, Deduct	-1.59	
For >1,000, Deduct	-2.18	
For Galvanized Steel, Add	4.65	
For 304 Stainless Steel, Add	21.38	
For High Strength Steel (HSS), Add	3.12	
05 12 23 00-0476 5/16" Thick <small>(05 12 23 00-0439)</small>		
05 12 23 00-0477 LF 2-1/2" x 2" x 5/16" Angle Iron.....	10.30	4.11
For >100 To 250, Deduct	-0.41	
For >250 To 500, Deduct	-0.67	
For >500 To 1,000, Deduct	-1.06	
For >1,000, Deduct	-1.46	
For Galvanized Steel, Add	2.99	
For 304 Stainless Steel, Add	13.77	
For High Strength Steel (HSS), Add	2.06	
05 12 23 00-0478 LF 2-1/2" x 2-1/2" x 5/16" Angle Iron.....	11.18	4.35
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.72	
For >500 To 1,000, Deduct	-1.14	
For >1,000, Deduct	-1.56	
For Galvanized Steel, Add	3.33	
For 304 Stainless Steel, Add	15.30	
For High Strength Steel (HSS), Add	2.24	
05 12 23 00-0479 LF 3" x 2" x 5/16" Angle Iron.....	11.18	4.35
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.72	
For >500 To 1,000, Deduct	-1.14	
For >1,000, Deduct	-1.56	
For Galvanized Steel, Add	3.33	
For 304 Stainless Steel, Add	15.30	
For High Strength Steel (HSS), Add	2.24	
05 12 23 00-0480 LF 3" x 2-1/2" x 5/16" Angle Iron.....	12.37	4.77
For >100 To 250, Deduct	-0.48	
For >250 To 500, Deduct	-0.79	
For >500 To 1,000, Deduct	-1.25	
For >1,000, Deduct	-1.72	
For Galvanized Steel, Add	3.73	
For 304 Stainless Steel, Add	17.13	
For High Strength Steel (HSS), Add	2.47	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0481	LF		3" x 3" x 5/16" Angle Iron	13.46	5.18
			<i>For >100 To 250, Deduct</i>	-0.52	
			<i>For >250 To 500, Deduct</i>	-0.85	
			<i>For >500 To 1,000, Deduct</i>	-1.36	
			<i>For >1,000, Deduct</i>	-1.87	
			<i>For Galvanized Steel, Add</i>	4.06	
			<i>For 304 Stainless Steel, Add</i>	18.67	
			<i>For High Strength Steel (HSS), Add</i>	2.69	
05 12 23 00-0482	LF		3-1/2" x 3" x 5/16" Angle Iron	14.35	5.45
			<i>For >100 To 250, Deduct</i>	-0.54	
			<i>For >250 To 500, Deduct</i>	-0.90	
			<i>For >500 To 1,000, Deduct</i>	-1.44	
			<i>For >1,000, Deduct</i>	-1.98	
			<i>For Galvanized Steel, Add</i>	4.40	
			<i>For 304 Stainless Steel, Add</i>	20.21	
			<i>For High Strength Steel (HSS), Add</i>	2.87	
05 12 23 00-0483	LF		3-1/2" x 3-1/2" x 5/16" Angle Iron	15.34	5.72
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-0.96	
			<i>For >500 To 1,000, Deduct</i>	-1.53	
			<i>For >1,000, Deduct</i>	-2.10	
			<i>For Galvanized Steel, Add</i>	4.78	
			<i>For 304 Stainless Steel, Add</i>	21.97	
			<i>For High Strength Steel (HSS), Add</i>	3.07	
05 12 23 00-0484	LF		4" x 3" x 5/16" Angle Iron	15.34	5.72
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-0.96	
			<i>For >500 To 1,000, Deduct</i>	-1.53	
			<i>For >1,000, Deduct</i>	-2.10	
			<i>For Galvanized Steel, Add</i>	4.78	
			<i>For 304 Stainless Steel, Add</i>	21.97	
			<i>For High Strength Steel (HSS), Add</i>	3.07	
05 12 23 00-0485	LF		4" x 3-1/2" x 5/16" Angle Iron	16.31	6.05
			<i>For >100 To 250, Deduct</i>	-0.60	
			<i>For >250 To 500, Deduct</i>	-1.01	
			<i>For >500 To 1,000, Deduct</i>	-1.62	
			<i>For >1,000, Deduct</i>	-2.23	
			<i>For Galvanized Steel, Add</i>	5.12	
			<i>For 304 Stainless Steel, Add</i>	23.51	
			<i>For High Strength Steel (HSS), Add</i>	3.26	
05 12 23 00-0486	LF		4" x 4" x 5/16" Angle Iron	17.22	6.31
			<i>For >100 To 250, Deduct</i>	-0.63	
			<i>For >250 To 500, Deduct</i>	-1.06	
			<i>For >500 To 1,000, Deduct</i>	-1.70	
			<i>For >1,000, Deduct</i>	-2.34	
			<i>For Galvanized Steel, Add</i>	5.46	
			<i>For 304 Stainless Steel, Add</i>	25.08	
			<i>For High Strength Steel (HSS), Add</i>	3.44	
05 12 23 00-0487	LF		5" x 3" x 5/16" Angle Iron	17.22	6.31
			<i>For >100 To 250, Deduct</i>	-0.63	
			<i>For >250 To 500, Deduct</i>	-1.06	
			<i>For >500 To 1,000, Deduct</i>	-1.70	
			<i>For >1,000, Deduct</i>	-2.34	
			<i>For Galvanized Steel, Add</i>	5.46	
			<i>For 304 Stainless Steel, Add</i>	25.08	
			<i>For High Strength Steel (HSS), Add</i>	3.44	
05 12 23 00-0488	LF		5" x 3-1/2" x 5/16" Angle Iron	18.09	6.58
			<i>For >100 To 250, Deduct</i>	-0.66	
			<i>For >250 To 500, Deduct</i>	-1.11	
			<i>For >500 To 1,000, Deduct</i>	-1.78	
			<i>For >1,000, Deduct</i>	-2.45	
			<i>For Galvanized Steel, Add</i>	5.78	
			<i>For 304 Stainless Steel, Add</i>	26.56	
			<i>For High Strength Steel (HSS), Add</i>	3.62	
05 12 23 00-0489	LF		5" x 5" x 5/16" Angle Iron	20.20	6.85
			<i>For >100 To 250, Deduct</i>	-0.69	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500 To 1,000, Deduct</i>	-1.92	
			<i>For >1,000, Deduct</i>	-2.66	
			<i>For Galvanized Steel, Add</i>	6.86	
			<i>For 304 Stainless Steel, Add</i>	31.52	
			<i>For High Strength Steel (HSS), Add</i>	4.04	
05 12 23 00-0490	LF		6" x 3-1/2" x 5/16" Angle Iron	20.01	7.14
			<i>For >100 To 250, Deduct</i>	-0.71	
			<i>For >250 To 500, Deduct</i>	-1.21	
			<i>For >500 To 1,000, Deduct</i>	-1.95	
			<i>For >1,000, Deduct</i>	-2.69	
			<i>For Galvanized Steel, Add</i>	6.50	
			<i>For 304 Stainless Steel, Add</i>	29.90	
			<i>For High Strength Steel (HSS), Add</i>	4.00	

05 12 23 00-0491 3/8" Thick (05 12 23 00-0439)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0492 LF 3" x 2" x 3/8" Angle Iron.....	12.39	4.56
For >100 To 250, Deduct	-0.46	
For >250 To 500, Deduct	-0.77	
For >500 To 1,000, Deduct	-1.23	
For >1,000, Deduct	-1.69	
For Galvanized Steel, Add	3.92	
For 304 Stainless Steel, Add	18.01	
For High Strength Steel (HSS), Add	2.48	
05 12 23 00-0493 LF 3" x 2-1/2" x 3/8" Angle Iron.....	13.67	4.93
For >100 To 250, Deduct	-0.49	
For >250 To 500, Deduct	-0.84	
For >500 To 1,000, Deduct	-1.34	
For >1,000, Deduct	-1.85	
For Galvanized Steel, Add	4.40	
For 304 Stainless Steel, Add	20.21	
For High Strength Steel (HSS), Add	2.73	
05 12 23 00-0494 LF 3" x 3" x 3/8" Angle Iron.....	14.79	5.31
For >100 To 250, Deduct	-0.53	
For >250 To 500, Deduct	-0.90	
For >500 To 1,000, Deduct	-1.45	
For >1,000, Deduct	-1.99	
For Galvanized Steel, Add	4.78	
For 304 Stainless Steel, Add	21.97	
For High Strength Steel (HSS), Add	2.96	
05 12 23 00-0495 LF 3-1/2" x 3" x 3/8" Angle Iron.....	15.75	5.46
For >100 To 250, Deduct	-0.55	
For >250 To 500, Deduct	-0.94	
For >500 To 1,000, Deduct	-1.51	
For >1,000, Deduct	-2.09	
For Galvanized Steel, Add	5.26	
For 304 Stainless Steel, Add	24.17	
For High Strength Steel (HSS), Add	3.15	
05 12 23 00-0496 LF 3-1/2" x 3-1/2" x 3/8" Angle Iron.....	16.78	5.76
For >100 To 250, Deduct	-0.58	
For >250 To 500, Deduct	-1.00	
For >500 To 1,000, Deduct	-1.61	
For >1,000, Deduct	-2.22	
For Galvanized Steel, Add	5.64	
For 304 Stainless Steel, Add	25.94	
For High Strength Steel (HSS), Add	3.36	
05 12 23 00-0497 LF 4" x 3" x 3/8" Angle Iron.....	16.78	5.76
For >100 To 250, Deduct	-0.58	
For >250 To 500, Deduct	-1.00	
For >500 To 1,000, Deduct	-1.61	
For >1,000, Deduct	-2.22	
For Galvanized Steel, Add	5.64	
For 304 Stainless Steel, Add	25.94	
For High Strength Steel (HSS), Add	3.36	
05 12 23 00-0498 LF 4" x 3-1/2" x 3/8" Angle Iron.....	18.10	6.27
For >100 To 250, Deduct	-0.63	
For >250 To 500, Deduct	-1.08	
For >500 To 1,000, Deduct	-1.74	
For >1,000, Deduct	-2.40	
For Galvanized Steel, Add	6.04	
For 304 Stainless Steel, Add	27.76	
For High Strength Steel (HSS), Add	3.62	
05 12 23 00-0499 LF 4" x 4" x 3/8" Angle Iron.....	19.09	6.46
For >100 To 250, Deduct	-0.65	
For >250 To 500, Deduct	-1.12	
For >500 To 1,000, Deduct	-1.81	
For >1,000, Deduct	-2.51	
For Galvanized Steel, Add	6.50	
For 304 Stainless Steel, Add	29.90	
For High Strength Steel (HSS), Add	3.82	
05 12 23 00-0500 LF 5" x 3" x 3/8" Angle Iron.....	19.44	6.71
For >100 To 250, Deduct	-0.67	
For >250 To 500, Deduct	-1.16	
For >500 To 1,000, Deduct	-1.87	
For >1,000, Deduct	-2.58	
For Galvanized Steel, Add	6.50	
For 304 Stainless Steel, Add	29.90	
For High Strength Steel (HSS), Add	3.89	
05 12 23 00-0501 LF 5" x 3-1/2" x 3/8" Angle Iron.....	20.79	7.23
For >100 To 250, Deduct	-0.72	
For >250 To 500, Deduct	-1.24	
For >500 To 1,000, Deduct	-2.00	
For >1,000, Deduct	-2.77	
For Galvanized Steel, Add	6.91	
For 304 Stainless Steel, Add	31.75	
For High Strength Steel (HSS), Add	4.16	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0502	LF		5" x 5" x 3/8" Angle Iron	24.44	8.43
			For >100 To 250, Deduct	-0.84	
			For >250 To 500, Deduct	-1.45	
			For >500 To 1,000, Deduct	-2.35	
			For >1,000, Deduct	-3.24	
			For Galvanized Steel, Add	8.18	
			For 304 Stainless Steel, Add	37.62	
			For High Strength Steel (HSS), Add	4.89	
05 12 23 00-0503	LF		6" x 3-1/2" x 3/8" Angle Iron	22.97	7.84
			For >100 To 250, Deduct	-0.78	
			For >250 To 500, Deduct	-1.36	
			For >500 To 1,000, Deduct	-2.19	
			For >1,000, Deduct	-3.03	
			For Galvanized Steel, Add	7.77	
			For 304 Stainless Steel, Add	35.71	
			For High Strength Steel (HSS), Add	4.59	
05 12 23 00-0504	LF		6" x 4" x 3/8" Angle Iron	24.44	8.43
			For >100 To 250, Deduct	-0.84	
			For >250 To 500, Deduct	-1.45	
			For >500 To 1,000, Deduct	-2.35	
			For >1,000, Deduct	-3.24	
			For Galvanized Steel, Add	8.18	
			For 304 Stainless Steel, Add	37.62	
			For High Strength Steel (HSS), Add	4.89	
05 12 23 00-0505	LF		6" x 6" x 3/8" Angle Iron	29.48	10.12
			For >100 To 250, Deduct	-1.01	
			For >250 To 500, Deduct	-1.75	
			For >500 To 1,000, Deduct	-2.82	
			For >1,000, Deduct	-3.90	
			For Galvanized Steel, Add	9.92	
			For 304 Stainless Steel, Add	45.60	
			For High Strength Steel (HSS), Add	5.90	
05 12 23 00-0506	LF		7" x 4" x 3/8" Angle Iron	26.97	9.28
			For >100 To 250, Deduct	-0.93	
			For >250 To 500, Deduct	-1.60	
			For >500 To 1,000, Deduct	-2.59	
			For >1,000, Deduct	-3.57	
			For Galvanized Steel, Add	9.05	
			For 304 Stainless Steel, Add	41.61	
			For High Strength Steel (HSS), Add	5.39	
05 12 23 00-0507			1/2" Thick (05 12 23 00-0439)		
05 12 23 00-0508	LF		3" x 3" x 1/2" Angle Iron	17.32	5.42
			For >100 To 250, Deduct	-0.54	
			For >250 To 500, Deduct	-0.98	
			For >500 To 1,000, Deduct	-1.59	
			For >1,000, Deduct	-2.20	
			For Galvanized Steel, Add	6.26	
			For 304 Stainless Steel, Add	28.76	
			For High Strength Steel (HSS), Add	3.46	
05 12 23 00-0509	LF		4" x 3" x 1/2" Angle Iron	20.46	6.41
			For >100 To 250, Deduct	-0.64	
			For >250 To 500, Deduct	-1.15	
			For >500 To 1,000, Deduct	-1.88	
			For >1,000, Deduct	-2.60	
			For Galvanized Steel, Add	7.39	
			For 304 Stainless Steel, Add	33.97	
			For High Strength Steel (HSS), Add	4.09	
05 12 23 00-0510	LF		4" x 3-1/2" x 1/2" Angle Iron	21.93	6.87
			For >100 To 250, Deduct	-0.69	
			For >250 To 500, Deduct	-1.24	
			For >500 To 1,000, Deduct	-2.01	
			For >1,000, Deduct	-2.79	
			For Galvanized Steel, Add	7.92	
			For 304 Stainless Steel, Add	36.39	
			For High Strength Steel (HSS), Add	4.39	
05 12 23 00-0511	LF		4" x 4" x 1/2" Angle Iron	23.59	7.40
			For >100 To 250, Deduct	-0.74	
			For >250 To 500, Deduct	-1.33	
			For >500 To 1,000, Deduct	-2.16	
			For >1,000, Deduct	-3.00	
			For Galvanized Steel, Add	8.52	
			For 304 Stainless Steel, Add	39.16	
			For High Strength Steel (HSS), Add	4.72	
05 12 23 00-0512	LF		5" x 3" x 1/2" Angle Iron	23.59	7.40
			For >100 To 250, Deduct	-0.74	
			For >250 To 500, Deduct	-1.33	
			For >500 To 1,000, Deduct	-2.16	
			For >1,000, Deduct	-3.00	
			For Galvanized Steel, Add	8.52	
			For 304 Stainless Steel, Add	39.16	
			For High Strength Steel (HSS), Add	4.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0513 LF 5" x 3-1/2" x 1/2" Angle Iron.....	25.06	7.85
For >100 To 250, Deduct	-0.78	
For >250 To 500, Deduct	-1.41	
For >500 To 1,000, Deduct	-2.30	
For >1,000, Deduct	-3.19	
For Galvanized Steel, Add	9.05	
For 304 Stainless Steel, Add	41.61	
For High Strength Steel (HSS), Add	5.01	
05 12 23 00-0514 LF 5" x 5" x 1/2" Angle Iron.....	29.87	9.36
For >100 To 250, Deduct	-0.94	
For >250 To 500, Deduct	-1.68	
For >500 To 1,000, Deduct	-2.74	
For >1,000, Deduct	-3.80	
For Galvanized Steel, Add	10.78	
For 304 Stainless Steel, Add	49.56	
For High Strength Steel (HSS), Add	5.97	
05 12 23 00-0515 LF 6" x 4" x 1/2" Angle Iron.....	29.87	9.36
For >100 To 250, Deduct	-0.94	
For >250 To 500, Deduct	-1.68	
For >500 To 1,000, Deduct	-2.74	
For >1,000, Deduct	-3.80	
For Galvanized Steel, Add	10.78	
For 304 Stainless Steel, Add	49.56	
For High Strength Steel (HSS), Add	5.97	
05 12 23 00-0516 LF 6" x 6" x 1/2" Angle Iron.....	36.13	11.31
For >100 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-2.04	
For >500 To 1,000, Deduct	-3.32	
For >1,000, Deduct	-4.60	
For Galvanized Steel, Add	13.04	
For 304 Stainless Steel, Add	59.96	
For High Strength Steel (HSS), Add	7.23	
05 12 23 00-0517 LF 7" x 4" x 1/2" Angle Iron.....	32.99	10.33
For >100 To 250, Deduct	-1.03	
For >250 To 500, Deduct	-1.86	
For >500 To 1,000, Deduct	-3.03	
For >1,000, Deduct	-4.20	
For Galvanized Steel, Add	11.91	
For 304 Stainless Steel, Add	54.75	
For High Strength Steel (HSS), Add	6.60	
05 12 23 00-0518 LF 8" x 4" x 1/2" Angle Iron.....	36.13	11.31
For >100 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-2.04	
For >500 To 1,000, Deduct	-3.32	
For >1,000, Deduct	-4.60	
For Galvanized Steel, Add	13.04	
For 304 Stainless Steel, Add	59.96	
For High Strength Steel (HSS), Add	7.23	
05 12 23 00-0519 LF 8" x 6" x 1/2" Angle Iron.....	42.40	13.28
For >100 To 250, Deduct	-1.33	
For >250 To 500, Deduct	-2.39	
For >500 To 1,000, Deduct	-3.89	
For >1,000, Deduct	-5.39	
For Galvanized Steel, Add	15.31	
For 304 Stainless Steel, Add	70.37	
For High Strength Steel (HSS), Add	8.48	
05 12 23 00-0520 LF 8" x 8" x 1/2" Angle Iron.....	48.67	15.24
For >100 To 250, Deduct	-1.52	
For >250 To 500, Deduct	-2.74	
For >500 To 1,000, Deduct	-4.47	
For >1,000, Deduct	-6.19	
For Galvanized Steel, Add	17.57	
For 304 Stainless Steel, Add	80.77	
For High Strength Steel (HSS), Add	9.73	
05 12 23 00-0521 5/8" Thick <small>(05 12 23 00-0439)</small>		
05 12 23 00-0522 LF 4" x 4" x 5/8" Angle Iron.....	28.15	8.47
For >100 To 250, Deduct	-0.85	
For >250 To 500, Deduct	-1.55	
For >500 To 1,000, Deduct	-2.54	
For >1,000, Deduct	-3.52	
For Galvanized Steel, Add	10.45	
For High Strength Steel (HSS), Add	5.63	
05 12 23 00-0523 LF 5" x 3-1/2" x 5/8" Angle Iron.....	30.12	9.07
For >100 To 250, Deduct	-0.91	
For >250 To 500, Deduct	-1.66	
For >500 To 1,000, Deduct	-2.71	
For >1,000, Deduct	-3.77	
For Galvanized Steel, Add	11.18	
For High Strength Steel (HSS), Add	6.02	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0524	LF		5" x 5" x 5/8" Angle Iron	35.86	10.80
			For >100 To 250, Deduct	-1.08	
			For >250 To 500, Deduct	-1.98	
			For >500 To 1,000, Deduct	-3.23	
			For >1,000, Deduct	-4.49	
			For Galvanized Steel, Add	13.31	
			For High Strength Steel (HSS), Add	7.17	
05 12 23 00-0525	LF		6" x 4" x 5/8" Angle Iron	35.86	10.80
			For >100 To 250, Deduct	-1.08	
			For >250 To 500, Deduct	-1.98	
			For >500 To 1,000, Deduct	-3.23	
			For >1,000, Deduct	-4.49	
			For Galvanized Steel, Add	13.31	
			For High Strength Steel (HSS), Add	7.17	
05 12 23 00-0526	LF		6" x 6" x 5/8" Angle Iron	43.39	13.06
			For >100 To 250, Deduct	-1.31	
			For >250 To 500, Deduct	-2.39	
			For >500 To 1,000, Deduct	-3.91	
			For >1,000, Deduct	-5.43	
			For Galvanized Steel, Add	16.11	
			For High Strength Steel (HSS), Add	8.68	
05 12 23 00-0527	LF		7" x 4" x 5/8" Angle Iron	39.62	11.92
			For >100 To 250, Deduct	-1.19	
			For >250 To 500, Deduct	-2.18	
			For >500 To 1,000, Deduct	-3.57	
			For >1,000, Deduct	-4.96	
			For Galvanized Steel, Add	14.71	
			For High Strength Steel (HSS), Add	7.92	
05 12 23 00-0528	LF		8" x 6" x 5/8" Angle Iron	51.10	15.38
			For >100 To 250, Deduct	-1.54	
			For >250 To 500, Deduct	-2.82	
			For >500 To 1,000, Deduct	-4.61	
			For >1,000, Deduct	-6.40	
			For Galvanized Steel, Add	18.97	
			For High Strength Steel (HSS), Add	10.22	
05 12 23 00-0529	LF		8" x 8" x 5/8" Angle Iron	58.64	17.65
			For >100 To 250, Deduct	-1.76	
			For >250 To 500, Deduct	-3.23	
			For >500 To 1,000, Deduct	-5.29	
			For >1,000, Deduct	-7.34	
			For Galvanized Steel, Add	21.77	
			For High Strength Steel (HSS), Add	11.73	
05 12 23 00-0530			3/4" Thick (05 12 23 00-0439)		
05 12 23 00-0531	LF		4" x 4" x 3/4" Angle Iron	32.36	9.36
			For >100 To 250, Deduct	-0.94	
			For >250 To 500, Deduct	-1.75	
			For >500 To 1,000, Deduct	-2.87	
			For >1,000, Deduct	-3.99	
			For Galvanized Steel, Add	12.32	
			For High Strength Steel (HSS), Add	6.47	
05 12 23 00-0532	LF		5" x 3-1/2" x 3/4" Angle Iron	34.60	10.02
			For >100 To 250, Deduct	-1.00	
			For >250 To 500, Deduct	-1.87	
			For >500 To 1,000, Deduct	-3.07	
			For >1,000, Deduct	-4.26	
			For Galvanized Steel, Add	13.18	
			For High Strength Steel (HSS), Add	6.92	
05 12 23 00-0533	LF		5" x 5" x 3/4" Angle Iron	41.26	11.94
			For >100 To 250, Deduct	-1.19	
			For >250 To 500, Deduct	-2.23	
			For >500 To 1,000, Deduct	-3.66	
			For >1,000, Deduct	-5.08	
			For Galvanized Steel, Add	15.71	
			For High Strength Steel (HSS), Add	8.25	
05 12 23 00-0534	LF		6" x 4" x 3/4" Angle Iron	41.26	11.94
			For >100 To 250, Deduct	-1.19	
			For >250 To 500, Deduct	-2.23	
			For >500 To 1,000, Deduct	-3.66	
			For >1,000, Deduct	-5.08	
			For Galvanized Steel, Add	15.71	
			For High Strength Steel (HSS), Add	8.25	
05 12 23 00-0535	LF		6" x 6" x 3/4" Angle Iron	50.17	14.52
			For >100 To 250, Deduct	-1.45	
			For >250 To 500, Deduct	-2.71	
			For >500 To 1,000, Deduct	-4.44	
			For >1,000, Deduct	-6.18	
			For Galvanized Steel, Add	19.10	
			For High Strength Steel (HSS), Add	10.03	
05 12 23 00-0536	LF		7" x 4" x 3/4" Angle Iron	45.79	13.26
			For >100 To 250, Deduct	-1.33	
			For >250 To 500, Deduct	-2.47	
			For >500 To 1,000, Deduct	-4.06	
			For >1,000, Deduct	-5.64	
			For Galvanized Steel, Add	17.43	
			For High Strength Steel (HSS), Add	9.16	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 12 23 00-0537	LF		8" x 4" x 3/4" Angle Iron <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	50.17 -1.45 -2.71 -4.44 -6.18 19.10 10.03	14.52
	05 12 23 00-0538	LF		8" x 6" x 3/4" Angle Iron <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	59.09 -1.71 -3.19 -5.23 -7.28 22.50 11.82	17.10
	05 12 23 00-0539	LF		8" x 8" x 3/4" Angle Iron <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	68.00 -1.97 -3.67 -6.02 -8.38 25.89 13.60	19.68
	05 12 23 00-0540			7/8" Thick <small>(05 12 23 00-0439)</small>		
	05 12 23 00-0541	LF		5" x 5" x 7/8" Angle Iron <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	46.32 -1.28 -2.44 -4.03 -5.62 18.10 9.26	12.84
	05 12 23 00-0542	LF		6" x 4" x 7/8" Angle Iron <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	46.32 -1.28 -2.44 -4.03 -5.62 18.10 9.26	12.84
	05 12 23 00-0543	LF		6" x 6" x 7/8" Angle Iron <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	56.37 -1.56 -2.97 -4.90 -6.83 22.03 11.27	15.64
	05 12 23 00-0544	LF		8" x 6" x 7/8" Angle Iron <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	66.59 -1.85 -3.51 -5.79 -8.07 26.03 13.32	18.46
	05 12 23 00-0545	LF		8" x 8" x 7/8" Angle Iron <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	76.64 -2.13 -4.04 -6.67 -9.29 29.95 15.33	21.25
	05 12 23 00-0546			Bar Channel <small>(05 12 23 00-0438)</small>		
	05 12 23 00-0547	LF		1" x 1/2" x 1/8" Thick Bar Channel <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	4.01 3.74 0.21 0.73 3.33 0.80	
	05 12 23 00-0548	LF		1-1/4" x 1/2" x 1/8" Thick Bar Channel <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	4.49 4.48 0.25 0.87 3.99 0.90	
	05 12 23 00-0549	LF		1-1/2" x 1/2" x 1/8" Thick Bar Channel <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	4.89 4.96 0.28 0.96 4.42 0.98	
	05 12 23 00-0550	LF		1-1/2" x 3/4" x 1/8" Thick Bar Channel <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	5.60 5.15 0.29 1.00 4.59 1.12	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0551	LF		2" x 1/2" x 1/8" Thick Bar Channel.....	5.97	
			For 316 Stainless Steel, Add	6.34	
			For Aluminum, Add	0.36	
			For Galvanized Steel, Add	1.23	
			For 304 Stainless Steel, Add	5.64	
05 12 23 00-0552	LF		2" x 1" x 1/8" Thick Bar Channel.....	7.92	
			For 316 Stainless Steel, Add	7.07	
			For Aluminum, Add	0.40	
			For Galvanized Steel, Add	1.37	
			For 304 Stainless Steel, Add	6.30	
05 12 23 00-0553			Channels - C (05 12 23 00-0438)		
05 12 23 00-0554	LF		C2 x 1.78 - 2" Wide Channel.....	6.57	3.52
			For >100 To 250, Deduct	-0.35	
			For >250 To 500, Deduct	-0.52	
			For >500 To 1,000, Deduct	-0.80	
			For >1,000, Deduct	-1.08	
			For 316 Stainless Steel, Add	6.02	
			For Aluminum, Add	0.34	
			For Galvanized Steel, Add	1.17	
			For 304 Stainless Steel, Add	5.36	
05 12 23 00-0555	LF		C3 x 4.1 - 3" Wide Channel.....	11.14	5.05
			For >100 To 250, Deduct	-0.51	
			For >250 To 500, Deduct	-0.78	
			For >500 To 1,000, Deduct	-1.23	
			For >1,000, Deduct	-1.68	
			For 316 Stainless Steel, Add	14.08	
			For Aluminum, Add	0.79	
			For Galvanized Steel, Add	2.73	
			For 304 Stainless Steel, Add	12.54	
05 12 23 00-0556	LF		C3 x 5 - 3" Wide Channel.....	13.60	6.17
			For >100 To 250, Deduct	-0.62	
			For >250 To 500, Deduct	-0.96	
			For >500 To 1,000, Deduct	-1.50	
			For >1,000, Deduct	-2.05	
			For 316 Stainless Steel, Add	17.18	
			For Aluminum, Add	0.97	
			For Galvanized Steel, Add	3.33	
			For 304 Stainless Steel, Add	15.30	
05 12 23 00-0557	LF		C3 x 6 - 3" Wide Channel.....	16.31	7.41
			For >100 To 250, Deduct	-0.74	
			For >250 To 500, Deduct	-1.15	
			For >500 To 1,000, Deduct	-1.80	
			For >1,000, Deduct	-2.46	
			For 316 Stainless Steel, Add	20.61	
			For Aluminum, Add	1.16	
			For Galvanized Steel, Add	3.99	
			For 304 Stainless Steel, Add	18.35	
05 12 23 00-0558	LF		C4 x 5.4 - 4" Wide Channel.....	13.89	6.07
			For >100 To 250, Deduct	-0.61	
			For >250 To 500, Deduct	-0.95	
			For >500 To 1,000, Deduct	-1.50	
			For >1,000, Deduct	-2.05	
			For 316 Stainless Steel, Add	18.56	
			For Aluminum, Add	1.04	
			For Galvanized Steel, Add	3.60	
			For 304 Stainless Steel, Add	16.53	
05 12 23 00-0559	LF		C4 x 7.25 - 4" Wide Channel.....	18.65	8.15
			For >100 To 250, Deduct	-0.82	
			For >250 To 500, Deduct	-1.28	
			For >500 To 1,000, Deduct	-2.02	
			For >1,000, Deduct	-2.76	
			For 316 Stainless Steel, Add	24.90	
			For Aluminum, Add	1.40	
			For Galvanized Steel, Add	4.82	
			For 304 Stainless Steel, Add	22.17	
05 12 23 00-0560	LF		C5 x 6.7 - 5" Wide Channel.....	16.64	7.07
			For >100 To 250, Deduct	-0.71	
			For >250 To 500, Deduct	-1.12	
			For >500 To 1,000, Deduct	-1.78	
			For >1,000, Deduct	-2.43	
			For 316 Stainless Steel, Add	23.01	
			For Aluminum, Add	1.29	
			For Galvanized Steel, Add	4.46	
			For 304 Stainless Steel, Add	20.49	
05 12 23 00-0561	LF		C5 x 9 - 5" Wide Channel.....	22.34	9.52
			For >100 To 250, Deduct	-0.95	
			For >250 To 500, Deduct	-1.51	
			For >500 To 1,000, Deduct	-2.39	
			For >1,000, Deduct	-3.26	
			For 316 Stainless Steel, Add	30.91	
			For Aluminum, Add	1.74	
			For Galvanized Steel, Add	5.99	
			For 304 Stainless Steel, Add	27.53	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0562	LF		C6 x 8.2 - 6" Wide Channel	20.13	8.50
			<i>For >100 To 250, Deduct</i>	-0.85	
			<i>For >250 To 500, Deduct</i>	-1.35	
			<i>For >500 To 1,000, Deduct</i>	-2.14	
			<i>For >1,000, Deduct</i>	-2.93	
			<i>For 316 Stainless Steel, Add</i>	28.16	
			<i>For Aluminum, Add</i>	1.58	
			<i>For Galvanized Steel, Add</i>	5.46	
			<i>For 304 Stainless Steel, Add</i>	25.08	
05 12 23 00-0563	LF		C6 x 10.5 - 6" Wide Channel	25.78	10.89
			<i>For >100 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.73	
			<i>For >500 To 1,000, Deduct</i>	-2.74	
			<i>For >1,000, Deduct</i>	-3.75	
			<i>For 316 Stainless Steel, Add</i>	36.06	
			<i>For Aluminum, Add</i>	2.03	
			<i>For Galvanized Steel, Add</i>	6.99	
			<i>For 304 Stainless Steel, Add</i>	32.12	
05 12 23 00-0564	LF		C6 x 13 - 6" Wide Channel	31.92	13.47
			<i>For >100 To 250, Deduct</i>	-1.35	
			<i>For >250 To 500, Deduct</i>	-2.15	
			<i>For >500 To 1,000, Deduct</i>	-3.39	
			<i>For >1,000, Deduct</i>	-4.64	
			<i>For 316 Stainless Steel, Add</i>	44.64	
			<i>For Aluminum, Add</i>	2.51	
			<i>For Galvanized Steel, Add</i>	8.65	
			<i>For 304 Stainless Steel, Add</i>	39.76	
05 12 23 00-0565	LF		C7 x 9.8 - 7" Wide Channel	24.01	10.12
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.61	
			<i>For >500 To 1,000, Deduct</i>	-2.55	
			<i>For >1,000, Deduct</i>	-3.49	
			<i>For 316 Stainless Steel, Add</i>	33.66	
			<i>For Aluminum, Add</i>	1.89	
			<i>For Galvanized Steel, Add</i>	6.52	
			<i>For 304 Stainless Steel, Add</i>	29.98	
05 12 23 00-0566	LF		C7 x 12.25 - 7" Wide Channel	30.01	12.65
			<i>For >100 To 250, Deduct</i>	-1.26	
			<i>For >250 To 500, Deduct</i>	-2.01	
			<i>For >500 To 1,000, Deduct</i>	-3.19	
			<i>For >1,000, Deduct</i>	-4.36	
			<i>For 316 Stainless Steel, Add</i>	42.08	
			<i>For Aluminum, Add</i>	2.37	
			<i>For Galvanized Steel, Add</i>	8.15	
			<i>For 304 Stainless Steel, Add</i>	37.48	
05 12 23 00-0567	LF		C7 x 14.75 - 7" Wide Channel	36.14	15.22
			<i>For >100 To 250, Deduct</i>	-1.52	
			<i>For >250 To 500, Deduct</i>	-2.43	
			<i>For >500 To 1,000, Deduct</i>	-3.84	
			<i>For >1,000, Deduct</i>	-5.25	
			<i>For 316 Stainless Steel, Add</i>	50.66	
			<i>For Aluminum, Add</i>	2.85	
			<i>For Galvanized Steel, Add</i>	9.81	
			<i>For 304 Stainless Steel, Add</i>	45.12	
05 12 23 00-0568	LF		C8 x 11.5 - 8" Wide Channel	27.18	11.13
			<i>For >100 To 250, Deduct</i>	-1.11	
			<i>For >250 To 500, Deduct</i>	-1.79	
			<i>For >500 To 1,000, Deduct</i>	-2.84	
			<i>For >1,000, Deduct</i>	-3.89	
			<i>For 316 Stainless Steel, Add</i>	39.49	
			<i>For Aluminum, Add</i>	2.22	
			<i>For Galvanized Steel, Add</i>	7.65	
			<i>For 304 Stainless Steel, Add</i>	35.17	
05 12 23 00-0569	LF		C8 x 13.75 - 8" Wide Channel	32.51	13.31
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-2.14	
			<i>For >500 To 1,000, Deduct</i>	-3.40	
			<i>For >1,000, Deduct</i>	-4.66	
			<i>For 316 Stainless Steel, Add</i>	47.23	
			<i>For Aluminum, Add</i>	2.66	
			<i>For Galvanized Steel, Add</i>	9.15	
			<i>For 304 Stainless Steel, Add</i>	42.07	
05 12 23 00-0570	LF		C8 x 18.75 - 8" Wide Channel	44.31	18.15
			<i>For >100 To 250, Deduct</i>	-1.81	
			<i>For >250 To 500, Deduct</i>	-2.92	
			<i>For >500 To 1,000, Deduct</i>	-4.63	
			<i>For >1,000, Deduct</i>	-6.35	
			<i>For 316 Stainless Steel, Add</i>	64.38	
			<i>For Aluminum, Add</i>	3.62	
			<i>For Galvanized Steel, Add</i>	12.47	
			<i>For 304 Stainless Steel, Add</i>	57.34	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0571	LF		C9 x 13.4 - 9" Wide Channel.....	31.68	12.97
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-2.09	
			<i>For >500 To 1,000, Deduct</i>	-3.31	
			<i>For >1,000, Deduct</i>	-4.54	
			<i>For 316 Stainless Steel, Add</i>	46.02	
			<i>For Aluminum, Add</i>	2.59	
			<i>For Galvanized Steel, Add</i>	8.92	
			<i>For 304 Stainless Steel, Add</i>	40.98	
05 12 23 00-0572	LF		C9 x 15 - 9" Wide Channel.....	35.46	14.52
			<i>For >100 To 250, Deduct</i>	-1.45	
			<i>For >250 To 500, Deduct</i>	-2.34	
			<i>For >500 To 1,000, Deduct</i>	-3.71	
			<i>For >1,000, Deduct</i>	-5.08	
			<i>For 316 Stainless Steel, Add</i>	51.52	
			<i>For Aluminum, Add</i>	2.90	
			<i>For Galvanized Steel, Add</i>	9.98	
			<i>For 304 Stainless Steel, Add</i>	45.89	
05 12 23 00-0573	LF		C9 x 20 - 9" Wide Channel.....	47.28	19.36
			<i>For >100 To 250, Deduct</i>	-1.94	
			<i>For >250 To 500, Deduct</i>	-3.12	
			<i>For >500 To 1,000, Deduct</i>	-4.95	
			<i>For >1,000, Deduct</i>	-6.77	
			<i>For 316 Stainless Steel, Add</i>	68.70	
			<i>For Aluminum, Add</i>	3.86	
			<i>For Galvanized Steel, Add</i>	13.31	
			<i>For 304 Stainless Steel, Add</i>	61.19	
05 12 23 00-0574	LF		C10 x 15.3 - 10" Wide Channel.....	36.16	14.80
			<i>For >100 To 250, Deduct</i>	-1.48	
			<i>For >250 To 500, Deduct</i>	-2.38	
			<i>For >500 To 1,000, Deduct</i>	-3.78	
			<i>For >1,000, Deduct</i>	-5.18	
			<i>For 316 Stainless Steel, Add</i>	52.54	
			<i>For Aluminum, Add</i>	2.96	
			<i>For Galvanized Steel, Add</i>	10.18	
			<i>For 304 Stainless Steel, Add</i>	46.80	
05 12 23 00-0575	LF		C10 x 20 - 10" Wide Channel.....	47.28	19.36
			<i>For >100 To 250, Deduct</i>	-1.94	
			<i>For >250 To 500, Deduct</i>	-3.12	
			<i>For >500 To 1,000, Deduct</i>	-4.95	
			<i>For >1,000, Deduct</i>	-6.77	
			<i>For 316 Stainless Steel, Add</i>	68.70	
			<i>For Aluminum, Add</i>	3.86	
			<i>For Galvanized Steel, Add</i>	13.31	
			<i>For 304 Stainless Steel, Add</i>	61.19	
05 12 23 00-0576	LF		C10 x 25 - 10" Wide Channel.....	59.09	24.19
			<i>For >100 To 250, Deduct</i>	-2.42	
			<i>For >250 To 500, Deduct</i>	-3.90	
			<i>For >500 To 1,000, Deduct</i>	-6.18	
			<i>For >1,000, Deduct</i>	-8.46	
			<i>For 316 Stainless Steel, Add</i>	85.86	
			<i>For Aluminum, Add</i>	4.83	
			<i>For Galvanized Steel, Add</i>	16.63	
			<i>For 304 Stainless Steel, Add</i>	76.47	
05 12 23 00-0577	LF		C10 x 30 - 10" Wide Channel.....	70.91	29.03
			<i>For >100 To 250, Deduct</i>	-2.90	
			<i>For >250 To 500, Deduct</i>	-4.68	
			<i>For >500 To 1,000, Deduct</i>	-7.42	
			<i>For >1,000, Deduct</i>	-10.16	
			<i>For 316 Stainless Steel, Add</i>	103.04	
			<i>For Aluminum, Add</i>	5.80	
			<i>For Galvanized Steel, Add</i>	19.96	
			<i>For 304 Stainless Steel, Add</i>	91.77	
05 12 23 00-0578	LF		C12 x 20.7 - 12" Wide Channel.....	48.94	20.04
			<i>For >100 To 250, Deduct</i>	-2.00	
			<i>For >250 To 500, Deduct</i>	-3.23	
			<i>For >500 To 1,000, Deduct</i>	-5.12	
			<i>For >1,000, Deduct</i>	-7.01	
			<i>For 316 Stainless Steel, Add</i>	71.10	
			<i>For Aluminum, Add</i>	4.00	
			<i>For Galvanized Steel, Add</i>	13.78	
			<i>For 304 Stainless Steel, Add</i>	63.33	
05 12 23 00-0579	LF		C12 x 25 - 12" Wide Channel.....	59.09	24.19
			<i>For >100 To 250, Deduct</i>	-2.42	
			<i>For >250 To 500, Deduct</i>	-3.90	
			<i>For >500 To 1,000, Deduct</i>	-6.18	
			<i>For >1,000, Deduct</i>	-8.46	
			<i>For 316 Stainless Steel, Add</i>	85.86	
			<i>For Aluminum, Add</i>	4.83	
			<i>For Galvanized Steel, Add</i>	16.63	
			<i>For 304 Stainless Steel, Add</i>	76.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0580 LF C12 x 30 - 12" Wide Channel	70.91	29.03
For >100 To 250, Deduct	-2.90	
For >250 To 500, Deduct	-4.68	
For >500 To 1,000, Deduct	-7.42	
For >1,000, Deduct	-10.16	
For 316 Stainless Steel, Add	103.04	
For Aluminum, Add	5.80	
For Galvanized Steel, Add	19.96	
For 304 Stainless Steel, Add	91.77	
05 12 23 00-0581 LF C15 x 33.9 - 15" Wide Channel	80.14	32.81
For >100 To 250, Deduct	-3.28	
For >250 To 500, Deduct	-5.28	
For >500 To 1,000, Deduct	-8.38	
For >1,000, Deduct	-11.48	
For 316 Stainless Steel, Add	116.45	
For Aluminum, Add	6.55	
For Galvanized Steel, Add	22.56	
For 304 Stainless Steel, Add	103.71	
05 12 23 00-0582 LF C15 x 40 - 15" Wide Channel	94.55	38.71
For >100 To 250, Deduct	-3.87	
For >250 To 500, Deduct	-6.24	
For >500 To 1,000, Deduct	-9.89	
For >1,000, Deduct	-13.54	
For 316 Stainless Steel, Add	137.38	
For Aluminum, Add	7.73	
For Galvanized Steel, Add	26.62	
For 304 Stainless Steel, Add	122.35	
05 12 23 00-0583 LF C15 x 50 - 15" Wide Channel	118.20	48.39
For >100 To 250, Deduct	-4.84	
For >250 To 500, Deduct	-7.79	
For >500 To 1,000, Deduct	-12.36	
For >1,000, Deduct	-16.93	
For 316 Stainless Steel, Add	171.74	
For Aluminum, Add	9.66	
For Galvanized Steel, Add	33.28	
For 304 Stainless Steel, Add	152.96	
05 12 23 00-0584 Miscellaneous Channels - MC (05 12 23 00-0438)		
05 12 23 00-0585 LF MC6 x 12 - 6" Wide Channel	29.46	12.44
For >100 To 250, Deduct	-1.24	
For >250 To 500, Deduct	-1.98	
For >500 To 1,000, Deduct	-3.13	
For >1,000, Deduct	-4.28	
For 316 Stainless Steel, Add	41.22	
For Aluminum, Add	2.32	
For Galvanized Steel, Add	7.99	
For 304 Stainless Steel, Add	36.71	
05 12 23 00-0586 LF MC6 x 15.1 - 6" Wide Channel	37.08	15.65
For >100 To 250, Deduct	-1.57	
For >250 To 500, Deduct	-2.49	
For >500 To 1,000, Deduct	-3.94	
For >1,000, Deduct	-5.39	
For 316 Stainless Steel, Add	51.87	
For Aluminum, Add	2.92	
For Galvanized Steel, Add	10.05	
For 304 Stainless Steel, Add	46.20	
05 12 23 00-0587 LF MC6 x 15.3 - 6" Wide Channel	37.56	15.86
For >100 To 250, Deduct	-1.59	
For >250 To 500, Deduct	-2.52	
For >500 To 1,000, Deduct	-3.99	
For >1,000, Deduct	-5.46	
For 316 Stainless Steel, Add	52.54	
For Aluminum, Add	2.96	
For Galvanized Steel, Add	10.18	
For 304 Stainless Steel, Add	46.80	
05 12 23 00-0588 LF MC6 x 16.3 - 6" Wide Channel	40.02	16.89
For >100 To 250, Deduct	-1.69	
For >250 To 500, Deduct	-2.69	
For >500 To 1,000, Deduct	-4.25	
For >1,000, Deduct	-5.82	
For 316 Stainless Steel, Add	55.97	
For Aluminum, Add	3.15	
For Galvanized Steel, Add	10.84	
For 304 Stainless Steel, Add	49.85	
05 12 23 00-0589 LF MC6 x 18 - 6" Wide Channel	44.19	18.66
For >100 To 250, Deduct	-1.87	
For >250 To 500, Deduct	-2.97	
For >500 To 1,000, Deduct	-4.70	
For >1,000, Deduct	-6.42	
For 316 Stainless Steel, Add	61.82	
For Aluminum, Add	3.48	
For Galvanized Steel, Add	11.98	
For 304 Stainless Steel, Add	55.06	

05 Metals
05 10 Structural Metal Framing
05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0590	LF		MC7 x 17.6 - 7" Wide Channel.....	43.12	18.17
			<i>For >100 To 250, Deduct</i>	-1.82	
			<i>For >250 To 500, Deduct</i>	-2.90	
			<i>For >500 To 1,000, Deduct</i>	-4.58	
			<i>For >1,000, Deduct</i>	-6.26	
			<i>For 316 Stainless Steel, Add</i>	60.45	
			<i>For Aluminum, Add</i>	3.40	
			<i>For Galvanized Steel, Add</i>	11.71	
			<i>For 304 Stainless Steel, Add</i>	53.84	
05 12 23 00-0591	LF		MC7 x 19.1 - 7" Wide Channel.....	46.80	19.72
			<i>For >100 To 250, Deduct</i>	-1.97	
			<i>For >250 To 500, Deduct</i>	-3.14	
			<i>For >500 To 1,000, Deduct</i>	-4.97	
			<i>For >1,000, Deduct</i>	-6.80	
			<i>For 316 Stainless Steel, Add</i>	65.60	
			<i>For Aluminum, Add</i>	3.69	
			<i>For Galvanized Steel, Add</i>	12.71	
			<i>For 304 Stainless Steel, Add</i>	58.43	
05 12 23 00-0592	LF		MC7 x 22.7 - 7" Wide Channel.....	55.61	23.43
			<i>For >100 To 250, Deduct</i>	-2.34	
			<i>For >250 To 500, Deduct</i>	-3.73	
			<i>For >500 To 1,000, Deduct</i>	-5.91	
			<i>For >1,000, Deduct</i>	-8.08	
			<i>For 316 Stainless Steel, Add</i>	77.95	
			<i>For Aluminum, Add</i>	4.38	
			<i>For Galvanized Steel, Add</i>	15.10	
			<i>For 304 Stainless Steel, Add</i>	69.43	
05 12 23 00-0593	LF		MC8 x 8.5 - 8" Wide Channel.....	20.09	8.23
			<i>For >100 To 250, Deduct</i>	-0.82	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500 To 1,000, Deduct</i>	-2.10	
			<i>For >1,000, Deduct</i>	-2.88	
			<i>For 316 Stainless Steel, Add</i>	29.18	
			<i>For Aluminum, Add</i>	1.64	
			<i>For Galvanized Steel, Add</i>	5.65	
			<i>For 304 Stainless Steel, Add</i>	25.99	
05 12 23 00-0594	LF		MC8 x 18.7 - 8" Wide Channel.....	44.20	18.09
			<i>For >100 To 250, Deduct</i>	-1.81	
			<i>For >250 To 500, Deduct</i>	-2.91	
			<i>For >500 To 1,000, Deduct</i>	-4.62	
			<i>For >1,000, Deduct</i>	-6.33	
			<i>For 316 Stainless Steel, Add</i>	64.22	
			<i>For Aluminum, Add</i>	3.61	
			<i>For Galvanized Steel, Add</i>	12.44	
			<i>For 304 Stainless Steel, Add</i>	57.20	
05 12 23 00-0595	LF		MC8 x 20 - 8" Wide Channel.....	47.28	19.36
			<i>For >100 To 250, Deduct</i>	-1.94	
			<i>For >250 To 500, Deduct</i>	-3.12	
			<i>For >500 To 1,000, Deduct</i>	-4.95	
			<i>For >1,000, Deduct</i>	-6.77	
			<i>For 316 Stainless Steel, Add</i>	68.70	
			<i>For Aluminum, Add</i>	3.86	
			<i>For Galvanized Steel, Add</i>	13.31	
			<i>For 304 Stainless Steel, Add</i>	61.19	
05 12 23 00-0596	LF		MC8 x 21.4 - 8" Wide Channel.....	50.59	20.72
			<i>For >100 To 250, Deduct</i>	-2.07	
			<i>For >250 To 500, Deduct</i>	-3.34	
			<i>For >500 To 1,000, Deduct</i>	-5.29	
			<i>For >1,000, Deduct</i>	-7.25	
			<i>For 316 Stainless Steel, Add</i>	73.50	
			<i>For Aluminum, Add</i>	4.13	
			<i>For Galvanized Steel, Add</i>	14.24	
			<i>For 304 Stainless Steel, Add</i>	65.46	
05 12 23 00-0597	LF		MC8 x 22.8 - 8" Wide Channel.....	53.89	22.08
			<i>For >100 To 250, Deduct</i>	-2.21	
			<i>For >250 To 500, Deduct</i>	-3.55	
			<i>For >500 To 1,000, Deduct</i>	-5.64	
			<i>For >1,000, Deduct</i>	-7.72	
			<i>For 316 Stainless Steel, Add</i>	78.30	
			<i>For Aluminum, Add</i>	4.40	
			<i>For Galvanized Steel, Add</i>	15.17	
			<i>For 304 Stainless Steel, Add</i>	69.74	
05 12 23 00-0598	LF		MC9 x 23.9 - 9" Wide Channel.....	56.49	23.13
			<i>For >100 To 250, Deduct</i>	-2.31	
			<i>For >250 To 500, Deduct</i>	-3.73	
			<i>For >500 To 1,000, Deduct</i>	-5.91	
			<i>For >1,000, Deduct</i>	-8.09	
			<i>For 316 Stainless Steel, Add</i>	82.08	
			<i>For Aluminum, Add</i>	4.62	
			<i>For Galvanized Steel, Add</i>	15.90	
			<i>For 304 Stainless Steel, Add</i>	73.10	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0599 LF MC9 x 25.4 - 9" Wide Channel	60.03	24.58
For >100 To 250, Deduct	-2.46	
For >250 To 500, Deduct	-3.96	
For >500 To 1,000, Deduct	-6.28	
For >1,000, Deduct	-8.60	
For 316 Stainless Steel, Add	87.23	
For Aluminum, Add	4.91	
For Galvanized Steel, Add	16.90	
For 304 Stainless Steel, Add	77.69	
05 12 23 00-0600 LF MC10 x 6.5 - 10" Wide Channel.....	15.37	6.29
For >100 To 250, Deduct	-0.63	
For >250 To 500, Deduct	-1.01	
For >500 To 1,000, Deduct	-1.61	
For >1,000, Deduct	-2.20	
For 316 Stainless Steel, Add	22.34	
For Aluminum, Add	1.26	
For Galvanized Steel, Add	4.33	
For 304 Stainless Steel, Add	19.89	
05 12 23 00-0601 LF MC10 x 8.4 - 10" Wide Channel.....	19.86	8.13
For >100 To 250, Deduct	-0.81	
For >250 To 500, Deduct	-1.31	
For >500 To 1,000, Deduct	-2.08	
For >1,000, Deduct	-2.84	
For 316 Stainless Steel, Add	28.86	
For Aluminum, Add	1.62	
For Galvanized Steel, Add	5.59	
For 304 Stainless Steel, Add	25.71	
05 12 23 00-0602 LF MC10 x 21.9 - 10" Wide Channel.....	51.76	21.20
For >100 To 250, Deduct	-2.12	
For >250 To 500, Deduct	-3.41	
For >500 To 1,000, Deduct	-5.41	
For >1,000, Deduct	-7.41	
For 316 Stainless Steel, Add	75.23	
For Aluminum, Add	4.23	
For Galvanized Steel, Add	14.58	
For 304 Stainless Steel, Add	67.00	
05 12 23 00-0603 LF MC10 x 24.9 - 10" Wide Channel.....	58.87	24.11
For >100 To 250, Deduct	-2.41	
For >250 To 500, Deduct	-3.88	
For >500 To 1,000, Deduct	-6.16	
For >1,000, Deduct	-8.43	
For 316 Stainless Steel, Add	85.54	
For Aluminum, Add	4.81	
For Galvanized Steel, Add	16.57	
For 304 Stainless Steel, Add	76.18	
05 12 23 00-0604 LF MC10 x 25.3 - 10" Wide Channel.....	59.80	24.49
For >100 To 250, Deduct	-2.45	
For >250 To 500, Deduct	-3.94	
For >500 To 1,000, Deduct	-6.26	
For >1,000, Deduct	-8.57	
For 316 Stainless Steel, Add	86.88	
For Aluminum, Add	4.89	
For Galvanized Steel, Add	16.83	
For 304 Stainless Steel, Add	77.38	
05 12 23 00-0605 LF MC10 x 28.3 - 10" Wide Channel.....	66.90	27.39
For >100 To 250, Deduct	-2.74	
For >250 To 500, Deduct	-4.41	
For >500 To 1,000, Deduct	-7.00	
For >1,000, Deduct	-9.58	
For 316 Stainless Steel, Add	97.18	
For Aluminum, Add	5.47	
For Galvanized Steel, Add	18.83	
For 304 Stainless Steel, Add	86.55	
05 12 23 00-0606 LF MC10 x 28.5 - 10" Wide Channel.....	67.37	27.58
For >100 To 250, Deduct	-2.76	
For >250 To 500, Deduct	-4.44	
For >500 To 1,000, Deduct	-7.05	
For >1,000, Deduct	-9.65	
For 316 Stainless Steel, Add	97.89	
For Aluminum, Add	5.51	
For Galvanized Steel, Add	18.97	
For 304 Stainless Steel, Add	87.18	
05 12 23 00-0607 LF MC10 x 33.6 - 10" Wide Channel.....	79.42	32.52
For >100 To 250, Deduct	-3.25	
For >250 To 500, Deduct	-5.24	
For >500 To 1,000, Deduct	-8.31	
For >1,000, Deduct	-11.38	
For 316 Stainless Steel, Add	115.39	
For Aluminum, Add	6.49	
For Galvanized Steel, Add	22.36	
For 304 Stainless Steel, Add	102.77	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0608	LF		MC10 x 41.1 - 10" Wide Channel.....	97.15	39.79
			For >100 To 250, Deduct	-3.98	
			For >250 To 500, Deduct	-6.41	
			For >500 To 1,000, Deduct	-10.16	
			For >1,000, Deduct	-13.92	
			For 316 Stainless Steel, Add	141.15	
			For Aluminum, Add	7.94	
			For Galvanized Steel, Add	27.35	
			For 304 Stainless Steel, Add	125.71	
05 12 23 00-0609	LF		MC12 x 30.9 - 12" Wide Channel.....	73.05	29.90
			For >100 To 250, Deduct	-2.99	
			For >250 To 500, Deduct	-4.82	
			For >500 To 1,000, Deduct	-7.64	
			For >1,000, Deduct	-10.46	
			For 316 Stainless Steel, Add	106.14	
			For Aluminum, Add	5.97	
			For Galvanized Steel, Add	20.57	
			For 304 Stainless Steel, Add	94.53	
05 12 23 00-0610	LF		MC12 x 32.9 - 12" Wide Channel.....	77.77	31.84
			For >100 To 250, Deduct	-3.18	
			For >250 To 500, Deduct	-5.13	
			For >500 To 1,000, Deduct	-8.13	
			For >1,000, Deduct	-11.14	
			For 316 Stainless Steel, Add	112.99	
			For Aluminum, Add	6.36	
			For Galvanized Steel, Add	21.89	
			For 304 Stainless Steel, Add	100.63	
05 12 23 00-0611	LF		MC12 x 35 - 12" Wide Channel.....	82.74	33.87
			For >100 To 250, Deduct	-3.39	
			For >250 To 500, Deduct	-5.46	
			For >500 To 1,000, Deduct	-8.65	
			For >1,000, Deduct	-11.85	
			For 316 Stainless Steel, Add	120.22	
			For Aluminum, Add	6.76	
			For Galvanized Steel, Add	23.29	
			For 304 Stainless Steel, Add	107.07	
05 12 23 00-0612	LF		MC12 x 37 - 12" Wide Channel.....	87.46	35.81
			For >100 To 250, Deduct	-3.58	
			For >250 To 500, Deduct	-5.77	
			For >500 To 1,000, Deduct	-9.15	
			For >1,000, Deduct	-12.53	
			For 316 Stainless Steel, Add	127.07	
			For Aluminum, Add	7.15	
			For Galvanized Steel, Add	24.62	
			For 304 Stainless Steel, Add	113.17	
05 12 23 00-0613	LF		MC12 x 40 - 12" Wide Channel.....	94.55	38.71
			For >100 To 250, Deduct	-3.87	
			For >250 To 500, Deduct	-6.24	
			For >500 To 1,000, Deduct	-9.89	
			For >1,000, Deduct	-13.54	
			For 316 Stainless Steel, Add	137.38	
			For Aluminum, Add	7.73	
			For Galvanized Steel, Add	26.62	
			For 304 Stainless Steel, Add	122.35	
05 12 23 00-0614	LF		MC12 x 45 - 12" Wide Channel.....	106.38	43.56
			For >100 To 250, Deduct	-4.36	
			For >250 To 500, Deduct	-7.02	
			For >500 To 1,000, Deduct	-11.13	
			For >1,000, Deduct	-15.24	
			For 316 Stainless Steel, Add	154.56	
			For Aluminum, Add	8.69	
			For Galvanized Steel, Add	29.95	
			For 304 Stainless Steel, Add	137.66	
05 12 23 00-0615	LF		MC12 x 50 - 12" Wide Channel.....	118.20	48.40
			For >100 To 250, Deduct	-4.84	
			For >250 To 500, Deduct	-7.79	
			For >500 To 1,000, Deduct	-12.36	
			For >1,000, Deduct	-16.93	
			For 316 Stainless Steel, Add	171.74	
			For Aluminum, Add	9.66	
			For Galvanized Steel, Add	33.28	
			For 304 Stainless Steel, Add	152.96	
05 12 23 00-0616	LF		MC13 x 31.8 - 13" Wide Channel.....	75.17	30.78
			For >100 To 250, Deduct	-3.08	
			For >250 To 500, Deduct	-4.96	
			For >500 To 1,000, Deduct	-7.86	
			For >1,000, Deduct	-10.77	
			For 316 Stainless Steel, Add	109.22	
			For Aluminum, Add	6.14	
			For Galvanized Steel, Add	21.16	
			For 304 Stainless Steel, Add	97.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0617 LF MC13 x 35 - 13" Wide Channel	82.74	33.87
For >100 To 250, Deduct	-3.39	
For >250 To 500, Deduct	-5.46	
For >500 To 1,000, Deduct	-8.65	
For >1,000, Deduct	-11.85	
For 316 Stainless Steel, Add	120.22	
For Aluminum, Add	6.76	
For Galvanized Steel, Add	23.29	
For 304 Stainless Steel, Add	107.07	
05 12 23 00-0618 LF MC13 x 40 - 13" Wide Channel	94.55	38.71
For >100 To 250, Deduct	-3.87	
For >250 To 500, Deduct	-6.24	
For >500 To 1,000, Deduct	-9.89	
For >1,000, Deduct	-13.54	
For 316 Stainless Steel, Add	137.38	
For Aluminum, Add	7.73	
For Galvanized Steel, Add	26.62	
For 304 Stainless Steel, Add	122.35	
05 12 23 00-0619 LF MC13 x 50 - 13" Wide Channel	118.20	48.40
For >100 To 250, Deduct	-4.84	
For >250 To 500, Deduct	-7.79	
For >500 To 1,000, Deduct	-12.36	
For >1,000, Deduct	-16.93	
For 316 Stainless Steel, Add	171.74	
For Aluminum, Add	9.66	
For Galvanized Steel, Add	33.28	
For 304 Stainless Steel, Add	152.96	
05 12 23 00-0620 LF MC18 x 42.7 - 18" Wide Channel.....	100.94	41.33
For >100 To 250, Deduct	-4.13	
For >250 To 500, Deduct	-6.66	
For >500 To 1,000, Deduct	-10.56	
For >1,000, Deduct	-14.46	
For 316 Stainless Steel, Add	146.66	
For Aluminum, Add	8.25	
For Galvanized Steel, Add	28.41	
For 304 Stainless Steel, Add	130.62	
05 12 23 00-0621 LF MC18 x 45.8 - 18" Wide Channel.....	108.27	44.33
For >100 To 250, Deduct	-4.43	
For >250 To 500, Deduct	-7.14	
For >500 To 1,000, Deduct	-11.32	
For >1,000, Deduct	-15.51	
For 316 Stainless Steel, Add	157.31	
For Aluminum, Add	8.85	
For Galvanized Steel, Add	30.48	
For 304 Stainless Steel, Add	140.11	
05 12 23 00-0622 LF MC18 x 51.9 - 18" Wide Channel.....	122.68	50.23
For >100 To 250, Deduct	-5.02	
For >250 To 500, Deduct	-8.09	
For >500 To 1,000, Deduct	-12.83	
For >1,000, Deduct	-17.57	
For 316 Stainless Steel, Add	178.24	
For Aluminum, Add	10.03	
For Galvanized Steel, Add	34.53	
For 304 Stainless Steel, Add	158.75	
05 12 23 00-0623 LF MC18 x 58 - 18" Wide Channel	137.10	56.14
For >100 To 250, Deduct	-5.61	
For >250 To 500, Deduct	-9.04	
For >500 To 1,000, Deduct	-14.34	
For >1,000, Deduct	-19.64	
For 316 Stainless Steel, Add	199.20	
For Aluminum, Add	11.21	
For Galvanized Steel, Add	38.60	
For 304 Stainless Steel, Add	177.41	
05 12 23 00-0624 Structural Bar Tees (05 12 23 00-0438)		
05 12 23 00-0625 LF 3/4" x 3/4" x 1/8" Structural Bar Tee	4.30	2.58
For >100 To 250, Deduct	-0.26	
For >250 To 500, Deduct	-0.36	
For >500 To 1,000, Deduct	-0.56	
For >1,000, Deduct	-0.75	
For 316 Stainless Steel, Add	2.78	
For Aluminum, Add	0.16	
For Galvanized Steel, Add	0.54	
For 304 Stainless Steel, Add	2.48	
05 12 23 00-0626 LF 1" x 1" x 1/8" Structural Bar Tee	5.23	3.04
For >100 To 250, Deduct	-0.30	
For >250 To 500, Deduct	-0.43	
For >500 To 1,000, Deduct	-0.67	
For >1,000, Deduct	-0.90	
For 316 Stainless Steel, Add	3.81	
For Aluminum, Add	0.21	
For Galvanized Steel, Add	0.74	
For 304 Stainless Steel, Add	3.39	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 12 23 00-0627	LF 1-1/2" x 1-1/2" x 1/4" Structural Bar Tee	8.08	3.50
	For >100 To 250, Deduct	-0.35	
	For >250 To 500, Deduct	-0.55	
	For >500 To 1,000, Deduct	-0.87	
	For >1,000, Deduct	-1.19	
	For 316 Stainless Steel, Add	10.88	
	For Aluminum, Add	0.61	
	For Galvanized Steel, Add	2.11	
	For 304 Stainless Steel, Add	9.69	
05 12 23 00-0628	LF 2" x 2" x 1/4" Structural Bar Tee	11.19	4.59
	For >100 To 250, Deduct	-0.46	
	For >250 To 500, Deduct	-0.74	
	For >500 To 1,000, Deduct	-1.17	
	For >1,000, Deduct	-1.60	
	For 316 Stainless Steel, Add	16.22	
	For Aluminum, Add	0.91	
	For Galvanized Steel, Add	3.14	
	For 304 Stainless Steel, Add	14.45	
05 12 23 00-0629	LF 2-1/2" x 2-1/2" x 3/8" Structural Bar Tee	16.48	5.53
	For >100 To 250, Deduct	-0.55	
	For >250 To 500, Deduct	-0.97	
	For >500 To 1,000, Deduct	-1.56	
	For >1,000, Deduct	-2.16	
	For 316 Stainless Steel, Add	29.12	
	For Aluminum, Add	1.64	
	For Galvanized Steel, Add	5.64	
	For 304 Stainless Steel, Add	25.94	
05 12 23 00-0630	LF 3" x 3" x 3/8" Structural Bar Tee	20.37	7.08
	For >100 To 250, Deduct	-0.71	
	For >250 To 500, Deduct	-1.22	
	For >500 To 1,000, Deduct	-1.96	
	For >1,000, Deduct	-2.71	
	For 316 Stainless Steel, Add	34.94	
	For Aluminum, Add	1.97	
	For Galvanized Steel, Add	6.77	
	For 304 Stainless Steel, Add	31.12	
05 12 23 00-0631	Structural Zees <small>(05 12 23 00-0438)</small>		
05 12 23 00-0632	LF 1-1/4" x 1-3/4" x 1-3/4" x 3/16" Structural Zee.....	9.75	3.50
	For >100 To 250, Deduct	-0.35	
	For >250 To 500, Deduct	-0.59	
	For >500 To 1,000, Deduct	-0.96	
	For >1,000, Deduct	-1.32	
	For 316 Stainless Steel, Add	16.22	
	For Aluminum, Add	0.91	
	For Galvanized Steel, Add	3.14	
	For 304 Stainless Steel, Add	14.45	
05 12 23 00-0633	LF 2-11/16" x 3" x 2-11/16" x 1/4" Structural Zee.....	17.71	4.19
	For >100 To 250, Deduct	-0.42	
	For >250 To 500, Deduct	-0.86	
	For >500 To 1,000, Deduct	-1.44	
	For >1,000, Deduct	-2.02	
	For 316 Stainless Steel, Add	38.85	
	For Aluminum, Add	2.19	
	For Galvanized Steel, Add	7.53	
	For 304 Stainless Steel, Add	34.60	
05 12 23 00-0634	LF 3-1/16" x 4" x 3-1/16" x 1/4" Structural Zee.....	21.16	4.72
	For >100 To 250, Deduct	-0.47	
	For >250 To 500, Deduct	-1.00	
	For >500 To 1,000, Deduct	-1.69	
	For >1,000, Deduct	-2.37	
	For 316 Stainless Steel, Add	47.55	
	For Aluminum, Add	2.67	
	For Galvanized Steel, Add	9.21	
	For 304 Stainless Steel, Add	42.35	
05 12 23 00-0635	LF 3-1/4" x 5" x 3-1/4" x 5/16" Structural Zee.....	28.21	5.39
	For >100 To 250, Deduct	-0.54	
	For >250 To 500, Deduct	-1.24	
	For >500 To 1,000, Deduct	-2.13	
	For >1,000, Deduct	-3.01	
	For 316 Stainless Steel, Add	67.26	
	For Aluminum, Add	3.78	
	For Galvanized Steel, Add	13.03	
	For 304 Stainless Steel, Add	59.91	
05 12 23 00-0636	LF 3-1/2" x 6" x 3-1/2" x 3/8" Structural Zee.....	36.28	5.87
	For >100 To 250, Deduct	-0.59	
	For >250 To 500, Deduct	-1.49	
	For >500 To 1,000, Deduct	-2.60	
	For >1,000, Deduct	-3.70	
	For 316 Stainless Steel, Add	91.04	
	For Aluminum, Add	5.12	
	For Galvanized Steel, Add	17.64	
	For 304 Stainless Steel, Add	81.08	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0637 Junior I-Beams <small>(05 12 23 00-0438)</small>		
05 12 23 00-0638 LF 3" Junior I-Beam, 2.9 LB/LF.....	13.43	5.06
For >100 To 250, Deduct	-0.51	
For >250 To 500, Deduct	-0.84	
For >500 To 1,000, Deduct	-1.35	
For >1,000, Deduct	-1.85	
For 316 Stainless Steel, Add	21.41	
For Aluminum, Add	1.20	
For Galvanized Steel, Add	4.15	
For 304 Stainless Steel, Add	19.07	
05 12 23 00-0639 LF 4" Junior I-Beam, 3.2 LB/LF.....	14.76	5.53
For >100 To 250, Deduct	-0.55	
For >250 To 500, Deduct	-0.92	
For >500 To 1,000, Deduct	-1.48	
For >1,000, Deduct	-2.03	
For 316 Stainless Steel, Add	23.62	
For Aluminum, Add	1.33	
For Galvanized Steel, Add	4.58	
For 304 Stainless Steel, Add	21.03	
05 12 23 00-0640 LF 5" Junior I-Beam, 3.8 LB/LF.....	16.85	6.07
For >100 To 250, Deduct	-0.61	
For >250 To 500, Deduct	-1.03	
For >500 To 1,000, Deduct	-1.65	
For >1,000, Deduct	-2.28	
For 316 Stainless Steel, Add	28.03	
For Aluminum, Add	1.58	
For Galvanized Steel, Add	5.43	
For 304 Stainless Steel, Add	24.97	
05 12 23 00-0641 LF 6" Junior I-Beam, 4.4 LB/LF.....	18.96	6.61
For >100 To 250, Deduct	-0.66	
For >250 To 500, Deduct	-1.13	
For >500 To 1,000, Deduct	-1.83	
For >1,000, Deduct	-2.52	
For 316 Stainless Steel, Add	32.48	
For Aluminum, Add	1.83	
For Galvanized Steel, Add	6.29	
For 304 Stainless Steel, Add	28.93	
05 12 23 00-0642 LF 7" Junior I-Beam, 5.5 LB/LF.....	22.12	7.08
For >100 To 250, Deduct	-0.71	
For >250 To 500, Deduct	-1.26	
For >500 To 1,000, Deduct	-2.05	
For >1,000, Deduct	-2.84	
For 316 Stainless Steel, Add	40.58	
For Aluminum, Add	2.28	
For Galvanized Steel, Add	7.86	
For 304 Stainless Steel, Add	36.14	
05 12 23 00-0643 LF 8" Junior I-Beam, 6.5 LB/LF.....	25.06	7.56
For >100 To 250, Deduct	-0.76	
For >250 To 500, Deduct	-1.38	
For >500 To 1,000, Deduct	-2.26	
For >1,000, Deduct	-3.14	
For 316 Stainless Steel, Add	47.97	
For Aluminum, Add	2.70	
For Galvanized Steel, Add	9.29	
For 304 Stainless Steel, Add	42.72	
05 12 23 00-0644 LF 10" Junior I-Beam, 9 LB/LF.....	32.27	8.63
For >100 To 250, Deduct	-0.86	
For >250 To 500, Deduct	-1.67	
For >500 To 1,000, Deduct	-2.76	
For >1,000, Deduct	-3.86	
For 316 Stainless Steel, Add	66.43	
For Aluminum, Add	3.74	
For Galvanized Steel, Add	12.87	
For 304 Stainless Steel, Add	59.17	
05 12 23 00-0645 LF 12" Junior I-Beam, 11.8 LB/LF.....	40.89	10.25
For >100 To 250, Deduct	-1.03	
For >250 To 500, Deduct	-2.05	
For >500 To 1,000, Deduct	-3.41	
For >1,000, Deduct	-4.78	
For 316 Stainless Steel, Add	87.10	
For Aluminum, Add	4.90	
For Galvanized Steel, Add	16.88	
For 304 Stainless Steel, Add	77.58	
05 12 23 00-0646 Round Stock <small>(05 12 23 00-0438)</small>		
05 12 23 00-0647 LF 1/4" Carbon Steel Rounds, ASTM A108.....	1.66	
For 316 Stainless Steel, Add	2.43	
For Aluminum, Add	0.14	
For Galvanized Steel, Add	0.47	
For 304 Stainless Steel, Add	2.17	
05 12 23 00-0648 LF 3/8" Carbon Steel Rounds, ASTM A108.....	2.54	
For 316 Stainless Steel, Add	4.83	
For Aluminum, Add	0.27	
For Galvanized Steel, Add	0.94	
For 304 Stainless Steel, Add	4.30	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0649	LF		1/2" Carbon Steel Rounds, ASTM A108	3.42	
			For 316 Stainless Steel, Add	7.33	
			For Aluminum, Add	0.41	
			For Galvanized Steel, Add	1.42	
			For 304 Stainless Steel, Add	6.53	
05 12 23 00-0650	LF		5/8" Carbon Steel Rounds, ASTM A108	5.07	
			For 316 Stainless Steel, Add	12.22	
			For Aluminum, Add	0.69	
			For Galvanized Steel, Add	2.37	
			For 304 Stainless Steel, Add	10.89	
05 12 23 00-0651	LF		3/4" Carbon Steel Rounds, ASTM A108	6.04	
			For 316 Stainless Steel, Add	14.53	
			For Aluminum, Add	0.82	
			For Galvanized Steel, Add	2.81	
			For 304 Stainless Steel, Add	12.94	
05 12 23 00-0652	LF		7/8" Carbon Steel Rounds, ASTM A108	7.03	
			For 316 Stainless Steel, Add	16.96	
			For Aluminum, Add	0.95	
			For Galvanized Steel, Add	3.29	
			For 304 Stainless Steel, Add	15.11	
05 12 23 00-0653	LF		1" Carbon Steel Rounds, ASTM A108	10.12	
			For 316 Stainless Steel, Add	25.86	
			For Aluminum, Add	1.45	
			For Galvanized Steel, Add	5.01	
			For 304 Stainless Steel, Add	23.03	
05 12 23 00-0654	LF		1-1/8" Carbon Steel Rounds, ASTM A108	12.32	
			For 316 Stainless Steel, Add	31.42	
			For Aluminum, Add	1.77	
			For Galvanized Steel, Add	6.09	
			For 304 Stainless Steel, Add	27.99	
05 12 23 00-0655	LF		1-1/4" Carbon Steel Rounds, ASTM A108	14.77	
			For 316 Stainless Steel, Add	36.99	
			For Aluminum, Add	2.08	
			For Galvanized Steel, Add	7.17	
			For 304 Stainless Steel, Add	32.95	
05 12 23 00-0656	LF		1-3/8" Carbon Steel Rounds, ASTM A108	17.84	
			For 316 Stainless Steel, Add	45.12	
			For Aluminum, Add	2.54	
			For Galvanized Steel, Add	8.74	
			For 304 Stainless Steel, Add	40.19	
05 12 23 00-0657	LF		1-1/2" Carbon Steel Rounds, ASTM A108	19.97	
			For 316 Stainless Steel, Add	49.50	
			For Aluminum, Add	2.78	
			For Galvanized Steel, Add	9.59	
			For 304 Stainless Steel, Add	44.09	
05 12 23 00-0658	LF		1-5/8" Carbon Steel Rounds, ASTM A108	23.15	
			For 316 Stainless Steel, Add	56.10	
			For Aluminum, Add	3.16	
			For Galvanized Steel, Add	10.87	
			For 304 Stainless Steel, Add	49.96	
05 12 23 00-0659	LF		1-3/4" Carbon Steel Rounds, ASTM A108	27.90	
			For 316 Stainless Steel, Add	65.28	
			For Aluminum, Add	3.67	
			For Galvanized Steel, Add	12.65	
			For 304 Stainless Steel, Add	58.14	
05 12 23 00-0660	LF		1-7/8" Carbon Steel Rounds, ASTM A108	33.79	
			For 316 Stainless Steel, Add	76.48	
			For Aluminum, Add	4.30	
			For Galvanized Steel, Add	14.82	
			For 304 Stainless Steel, Add	68.12	
05 12 23 00-0661	LF		2" Carbon Steel Rounds, ASTM A108	38.80	
			For 316 Stainless Steel, Add	85.09	
			For Aluminum, Add	4.79	
			For Galvanized Steel, Add	16.49	
			For 304 Stainless Steel, Add	75.78	
05 12 23 00-0662	LF		2-1/8" Carbon Steel Rounds, ASTM A108	45.53	
			For 316 Stainless Steel, Add	97.15	
			For Aluminum, Add	5.46	
			For Galvanized Steel, Add	18.82	
			For 304 Stainless Steel, Add	86.53	
05 12 23 00-0663	LF		2-1/4" Carbon Steel Rounds, ASTM A108	51.59	
			For 316 Stainless Steel, Add	109.25	
			For Aluminum, Add	6.15	
			For Galvanized Steel, Add	21.17	
			For 304 Stainless Steel, Add	97.30	
05 12 23 00-0664	LF		2-3/8" Carbon Steel Rounds, ASTM A108	59.11	
			For 316 Stainless Steel, Add	124.96	
			For Aluminum, Add	7.03	
			For Galvanized Steel, Add	24.21	
			For 304 Stainless Steel, Add	111.29	
05 12 23 00-0665	LF		2-1/2" Carbon Steel Rounds, ASTM A108	65.63	
			For 316 Stainless Steel, Add	134.66	
			For Aluminum, Add	7.57	
			For Galvanized Steel, Add	26.09	
			For 304 Stainless Steel, Add	119.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0666 LF 2-5/8" Carbon Steel Rounds, ASTM A108.....	79.63	
For 316 Stainless Steel, Add	171.07	
For Aluminum, Add	9.62	
For Galvanized Steel, Add	33.15	
For 304 Stainless Steel, Add	152.36	
05 12 23 00-0667 LF 2-3/4" Carbon Steel Rounds, ASTM A108.....	90.62	
For 316 Stainless Steel, Add	195.07	
For Aluminum, Add	10.97	
For Galvanized Steel, Add	37.80	
For 304 Stainless Steel, Add	173.74	
05 12 23 00-0668 LF 2-7/8 Carbon Steel Rounds, ASTM A108.....	101.09	
For 316 Stainless Steel, Add	217.38	
For Aluminum, Add	12.23	
For Galvanized Steel, Add	42.12	
For 304 Stainless Steel, Add	193.60	
05 12 23 00-0669 LF 3" Carbon Steel Rounds, ASTM A108.....	106.62	
For 316 Stainless Steel, Add	223.90	
For Aluminum, Add	12.59	
For Galvanized Steel, Add	43.38	
For 304 Stainless Steel, Add	199.41	
05 12 23 00-0670 LF 3-1/8" Carbon Steel Rounds, ASTM A108.....	111.66	
For 316 Stainless Steel, Add	228.86	
For Aluminum, Add	12.87	
For Galvanized Steel, Add	44.34	
For 304 Stainless Steel, Add	203.83	
05 12 23 00-0671 LF 3-1/4" Carbon Steel Rounds, ASTM A108.....	118.06	
For 316 Stainless Steel, Add	238.21	
For Aluminum, Add	13.40	
For Galvanized Steel, Add	46.15	
For 304 Stainless Steel, Add	212.15	
05 12 23 00-0672 LF 3-1/2" Carbon Steel Rounds, ASTM A108.....	142.44	
For 316 Stainless Steel, Add	302.24	
For Aluminum, Add	17.00	
For Galvanized Steel, Add	58.56	
For 304 Stainless Steel, Add	269.18	
05 12 23 00-0673 LF 3-5/8" Carbon Steel Rounds, ASTM A108.....	158.01	
For 316 Stainless Steel, Add	338.11	
For Aluminum, Add	19.02	
For Galvanized Steel, Add	65.51	
For 304 Stainless Steel, Add	301.13	
05 12 23 00-0674 LF 3-3/4" Carbon Steel Rounds, ASTM A108.....	169.74	
For 316 Stainless Steel, Add	361.70	
For Aluminum, Add	20.35	
For Galvanized Steel, Add	70.08	
For 304 Stainless Steel, Add	322.14	
05 12 23 00-0675 LF 4" Carbon Steel Rounds, ASTM A108.....	189.75	
For 316 Stainless Steel, Add	411.78	
For Aluminum, Add	23.16	
For Galvanized Steel, Add	79.78	
For 304 Stainless Steel, Add	366.74	
05 12 23 00-0676 Square Stock (05 12 23 00-0438)		
05 12 23 00-0677 LF 3/8" Square Bar Stock.....	1.54	
For 316 Stainless Steel, Add	1.63	
For Aluminum, Add	0.09	
For Galvanized Steel, Add	0.32	
For 304 Stainless Steel, Add	1.45	
05 12 23 00-0678 LF 1/2" Square Bar Stock.....	2.04	
For 316 Stainless Steel, Add	2.91	
For Aluminum, Add	0.16	
For Galvanized Steel, Add	0.56	
For 304 Stainless Steel, Add	2.59	
05 12 23 00-0679 LF 5/8" Square Bar Stock.....	2.67	
For 316 Stainless Steel, Add	4.54	
For Aluminum, Add	0.26	
For Galvanized Steel, Add	0.88	
For 304 Stainless Steel, Add	4.05	
05 12 23 00-0680 LF 3/4" Square Bar Stock.....	3.54	
For 316 Stainless Steel, Add	6.53	
For Aluminum, Add	0.37	
For Galvanized Steel, Add	1.26	
For 304 Stainless Steel, Add	5.81	
05 12 23 00-0681 LF 7/8" Square Bar Stock.....	4.58	
For 316 Stainless Steel, Add	9.12	
For Aluminum, Add	0.51	
For Galvanized Steel, Add	1.77	
For 304 Stainless Steel, Add	8.12	
05 12 23 00-0682 LF 1" Square Bar Stock.....	5.68	
For 316 Stainless Steel, Add	11.65	
For Aluminum, Add	0.66	
For Galvanized Steel, Add	2.26	
For 304 Stainless Steel, Add	10.37	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0683	LF		1-1/4" Square Bar Stock	8.89	
			For 316 Stainless Steel, Add	18.18	
			For Aluminum, Add	1.02	
			For Galvanized Steel, Add	3.52	
			For 304 Stainless Steel, Add	16.19	
05 12 23 00-0684	LF		1-1/2" Square Bar Stock	12.69	
			For 316 Stainless Steel, Add	26.21	
			For Aluminum, Add	1.47	
			For Galvanized Steel, Add	5.08	
			For 304 Stainless Steel, Add	23.34	
05 12 23 00-0685	LF		1-3/4" Square Bar Stock	18.88	
			For 316 Stainless Steel, Add	36.42	
			For Aluminum, Add	2.05	
			For Galvanized Steel, Add	7.06	
			For 304 Stainless Steel, Add	32.43	
05 12 23 00-0686	LF		2" Square Bar Stock	27.15	
			For 316 Stainless Steel, Add	46.59	
			For Aluminum, Add	2.62	
			For Galvanized Steel, Add	9.03	
			For 304 Stainless Steel, Add	41.50	
05 12 23 00-0687			Steel Tubing (05 12 23 00-0438)		
			Note: General purpose low-carbon steel.		
05 12 23 00-0688			Square Steel Tubing (05 12 23 00-0687)		
05 12 23 00-0689			0.06" Wall Thickness (05 12 23 00-0688)		
05 12 23 00-0690	LF		1/2" x 1/2" x 0.06" Square Steel Tubing	1.98	0.48
			For >100 To 250, Deduct	-0.05	
			For >250 To 500, Deduct	-0.10	
			For >500 To 1,000, Deduct	-0.16	
			For >1,000, Deduct	-0.23	
			For Galvanized Steel, Add	0.83	
05 12 23 00-0691	LF		3/4" x 3/4" x 0.06" Square Steel Tubing	3.06	0.76
			For >100 To 250, Deduct	-0.08	
			For >250 To 500, Deduct	-0.15	
			For >500 To 1,000, Deduct	-0.26	
			For >1,000, Deduct	-0.36	
			For Galvanized Steel, Add	1.26	
05 12 23 00-0692	LF		1" x 1" x 0.06" Square Steel Tubing	4.11	1.38
			For >100 To 250, Deduct	-0.10	
			For >250 To 500, Deduct	-0.21	
			For >500 To 1,000, Deduct	-0.34	
			For >1,000, Deduct	-0.48	
			For Galvanized Steel, Add	1.69	
05 12 23 00-0693	LF		1-1/4" x 1-1/4" x 0.06" Square Steel Tubing	5.42	1.31
			For >100 To 250, Deduct	-0.13	
			For >250 To 500, Deduct	-0.27	
			For >500 To 1,000, Deduct	-0.45	
			For >1,000, Deduct	-0.63	
			For Galvanized Steel, Add	2.28	
05 12 23 00-0694	LF		1-1/2" x 1-1/2" x 0.06" Square Steel Tubing	6.42	1.59
			For >100 To 250, Deduct	-0.16	
			For >250 To 500, Deduct	-0.32	
			For >500 To 1,000, Deduct	-0.53	
			For >1,000, Deduct	-0.75	
			For Galvanized Steel, Add	2.67	
05 12 23 00-0695			0.083" Wall Thickness (05 12 23 00-0688)		
05 12 23 00-0696	LF		3/4" x 3/4" x 0.083" Square Steel Tubing	3.55	0.89
			For >100 To 250, Deduct	-0.09	
			For >250 To 500, Deduct	-0.18	
			For >500 To 1,000, Deduct	-0.30	
			For >1,000, Deduct	-0.42	
			For Galvanized Steel, Add	1.46	
05 12 23 00-0697	LF		1" x 1" x 0.083" Square Steel Tubing	5.17	1.23
			For >100 To 250, Deduct	-0.12	
			For >250 To 500, Deduct	-0.25	
			For >500 To 1,000, Deduct	-0.42	
			For >1,000, Deduct	-0.59	
			For Galvanized Steel, Add	2.19	
05 12 23 00-0698	LF		1-1/4" x 1-1/4" x 0.083" Square Steel Tubing	6.24	1.56
			For >100 To 250, Deduct	-0.16	
			For >250 To 500, Deduct	-0.31	
			For >500 To 1,000, Deduct	-0.52	
			For >1,000, Deduct	-0.73	
			For Galvanized Steel, Add	2.59	
05 12 23 00-0699	LF		1-1/2" x 1-1/2" x 0.083" Square Steel Tubing	7.56	1.89
			For >100 To 250, Deduct	-0.19	
			For >250 To 500, Deduct	-0.38	
			For >500 To 1,000, Deduct	-0.63	
			For >1,000, Deduct	-0.88	
			For Galvanized Steel, Add	3.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0700 LF 2" x 2" x 0.083" Square Steel Tubing.....	9.70	2.52
<i>For >100 To 250, Deduct</i>	-0.25	
<i>For >250 To 500, Deduct</i>	-0.49	
<i>For >500 To 1,000, Deduct</i>	-0.82	
<i>For >1,000, Deduct</i>	-1.15	
<i>For Galvanized Steel, Add</i>	3.93	
05 12 23 00-0701 0.12" Wall Thickness (05 12 23 00-0688)		
05 12 23 00-0702 LF 1" x 1" x 0.12" Square Steel Tubing.....	5.71	1.46
<i>For >100 To 250, Deduct</i>	-0.15	
<i>For >250 To 500, Deduct</i>	-0.29	
<i>For >500 To 1,000, Deduct</i>	-0.48	
<i>For >1,000, Deduct</i>	-0.67	
<i>For Galvanized Steel, Add</i>	2.34	
05 12 23 00-0703 LF 1-1/4" x 1-1/4" x 0.12" Square Steel Tubing	7.36	1.87
<i>For >100 To 250, Deduct</i>	-0.19	
<i>For >250 To 500, Deduct</i>	-0.37	
<i>For >500 To 1,000, Deduct</i>	-0.62	
<i>For >1,000, Deduct</i>	-0.86	
<i>For Galvanized Steel, Add</i>	3.01	
05 12 23 00-0704 LF 1-1/2" x 1-1/2" x 0.12" Square Steel Tubing	9.02	2.28
<i>For >100 To 250, Deduct</i>	-0.23	
<i>For >250 To 500, Deduct</i>	-0.45	
<i>For >500 To 1,000, Deduct</i>	-0.76	
<i>For >1,000, Deduct</i>	-1.06	
<i>For Galvanized Steel, Add</i>	3.71	
05 12 23 00-0705 LF 2" x 2" x 0.12" Square Steel Tubing.....	12.23	3.11
<i>For >100 To 250, Deduct</i>	-0.31	
<i>For >250 To 500, Deduct</i>	-0.62	
<i>For >500 To 1,000, Deduct</i>	-1.03	
<i>For >1,000, Deduct</i>	-1.44	
<i>For Galvanized Steel, Add</i>	5.01	
05 12 23 00-0706 1/8" Wall Thickness (05 12 23 00-0688)		
05 12 23 00-0707 LF 2" x 2" x 1/8" Square Steel Tubing.....	11.04	3.23
<i>For >100 To 250, Deduct</i>	-0.32	
<i>For >250 To 500, Deduct</i>	-0.60	
<i>For >500 To 1,000, Deduct</i>	-0.98	
<i>For >1,000, Deduct</i>	-1.37	
<i>For Galvanized Steel, Add</i>	4.17	
05 12 23 00-0708 LF 2-1/2" x 2-1/2" x 1/8" Square Steel Tubing	14.54	4.09
<i>For >100 To 250, Deduct</i>	-0.41	
<i>For >250 To 500, Deduct</i>	-0.77	
<i>For >500 To 1,000, Deduct</i>	-1.27	
<i>For >1,000, Deduct</i>	-1.77	
<i>For Galvanized Steel, Add</i>	5.64	
05 12 23 00-0709 LF 3" x 3" x 1/8" Square Steel Tubing.....	17.06	4.95
<i>For >100 To 250, Deduct</i>	-0.50	
<i>For >250 To 500, Deduct</i>	-0.92	
<i>For >500 To 1,000, Deduct</i>	-1.51	
<i>For >1,000, Deduct</i>	-2.10	
<i>For Galvanized Steel, Add</i>	6.49	
05 12 23 00-0710 LF 3-1/2" x 3-1/2" x 1/8" Square Steel Tubing	19.77	5.82
<i>For >100 To 250, Deduct</i>	-0.58	
<i>For >250 To 500, Deduct</i>	-1.08	
<i>For >500 To 1,000, Deduct</i>	-1.76	
<i>For >1,000, Deduct</i>	-2.45	
<i>For Galvanized Steel, Add</i>	7.45	
05 12 23 00-0711 LF 4" x 4" x 1/8" Square Steel Tubing.....	21.81	6.67
<i>For >100 To 250, Deduct</i>	-0.67	
<i>For >250 To 500, Deduct</i>	-1.21	
<i>For >500 To 1,000, Deduct</i>	-1.98	
<i>For >1,000, Deduct</i>	-2.75	
<i>For Galvanized Steel, Add</i>	8.00	
05 12 23 00-0712 3/16" Wall Thickness (05 12 23 00-0688)		
05 12 23 00-0713 LF 2" x 2" x 3/16" Square Steel Tubing.....	12.52	3.64
<i>For >100 To 250, Deduct</i>	-0.36	
<i>For >250 To 500, Deduct</i>	-0.68	
<i>For >500 To 1,000, Deduct</i>	-1.11	
<i>For >1,000, Deduct</i>	-1.55	
<i>For Galvanized Steel, Add</i>	4.75	
05 12 23 00-0714 LF 2-1/2" x 2-1/2" x 3/16" Square Steel Tubing	16.20	4.71
<i>For >100 To 250, Deduct</i>	-0.47	
<i>For >250 To 500, Deduct</i>	-0.88	
<i>For >500 To 1,000, Deduct</i>	-1.44	
<i>For >1,000, Deduct</i>	-2.00	
<i>For Galvanized Steel, Add</i>	6.14	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0715	LF		3" x 3" x 3/16" Square Steel Tubing.....	19.91	5.80
			<i>For >100 To 250, Deduct</i>	-0.58	
			<i>For >250 To 500, Deduct</i>	-1.08	
			<i>For >500 To 1,000, Deduct</i>	-1.77	
			<i>For >1,000, Deduct</i>	-2.46	
			<i>For Galvanized Steel, Add</i>	7.55	
05 12 23 00-0716	LF		3-1/2" x 3-1/2" x 3/16" Square Steel Tubing.....	23.62	6.87
			<i>For >100 To 250, Deduct</i>	-0.69	
			<i>For >250 To 500, Deduct</i>	-1.28	
			<i>For >500 To 1,000, Deduct</i>	-2.10	
			<i>For >1,000, Deduct</i>	-2.92	
			<i>For Galvanized Steel, Add</i>	8.96	
05 12 23 00-0717	LF		4" x 4" x 3/16" Square Steel Tubing.....	27.31	7.94
			<i>For >100 To 250, Deduct</i>	-0.80	
			<i>For >250 To 500, Deduct</i>	-1.48	
			<i>For >500 To 1,000, Deduct</i>	-2.43	
			<i>For >1,000, Deduct</i>	-3.37	
			<i>For Galvanized Steel, Add</i>	10.36	
05 12 23 00-0718	LF		4-1/2" x 4-1/2" x 3/16" Square Steel Tubing.....	31.01	9.03
			<i>For >100 To 250, Deduct</i>	-0.90	
			<i>For >250 To 500, Deduct</i>	-1.68	
			<i>For >500 To 1,000, Deduct</i>	-2.75	
			<i>For >1,000, Deduct</i>	-3.83	
			<i>For Galvanized Steel, Add</i>	11.77	
05 12 23 00-0719	LF		5" x 5" x 3/16" Square Steel Tubing.....	34.68	10.09
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.88	
			<i>For >500 To 1,000, Deduct</i>	-3.08	
			<i>For >1,000, Deduct</i>	-4.28	
			<i>For Galvanized Steel, Add</i>	13.16	
05 12 23 00-0720	LF		6" x 6" x 3/16" Square Steel Tubing.....	42.10	12.26
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-2.28	
			<i>For >500 To 1,000, Deduct</i>	-3.74	
			<i>For >1,000, Deduct</i>	-5.20	
			<i>For Galvanized Steel, Add</i>	15.98	
05 12 23 00-0721			1/4" Wall Thickness (05 12 23 00-0688)		
05 12 23 00-0722	LF		2" x 2" x 1/4" Square Steel Tubing.....	13.34	3.65
			<i>For >100 To 250, Deduct</i>	-0.37	
			<i>For >250 To 500, Deduct</i>	-0.70	
			<i>For >500 To 1,000, Deduct</i>	-1.15	
			<i>For >1,000, Deduct</i>	-1.61	
			<i>For Galvanized Steel, Add</i>	5.25	
05 12 23 00-0723	LF		2-1/2" x 2-1/2" x 1/4" Square Steel Tubing.....	17.53	4.80
			<i>For >100 To 250, Deduct</i>	-0.48	
			<i>For >250 To 500, Deduct</i>	-0.92	
			<i>For >500 To 1,000, Deduct</i>	-1.52	
			<i>For >1,000, Deduct</i>	-2.11	
			<i>For Galvanized Steel, Add</i>	6.90	
05 12 23 00-0724	LF		3" x 3" x 1/4" Square Steel Tubing.....	21.71	5.95
			<i>For >100 To 250, Deduct</i>	-0.59	
			<i>For >250 To 500, Deduct</i>	-1.14	
			<i>For >500 To 1,000, Deduct</i>	-1.88	
			<i>For >1,000, Deduct</i>	-2.62	
			<i>For Galvanized Steel, Add</i>	8.55	
05 12 23 00-0725	LF		3-1/2" x 3-1/2" x 1/4" Square Steel Tubing.....	25.90	7.09
			<i>For >100 To 250, Deduct</i>	-0.71	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500 To 1,000, Deduct</i>	-2.24	
			<i>For >1,000, Deduct</i>	-3.12	
			<i>For Galvanized Steel, Add</i>	10.20	
05 12 23 00-0726	LF		4" x 4" x 1/4" Square Steel Tubing.....	30.09	8.24
			<i>For >100 To 250, Deduct</i>	-0.82	
			<i>For >250 To 500, Deduct</i>	-1.58	
			<i>For >500 To 1,000, Deduct</i>	-2.60	
			<i>For >1,000, Deduct</i>	-3.63	
			<i>For Galvanized Steel, Add</i>	11.85	
05 12 23 00-0727	LF		4-1/2" x 4-1/2" x 1/4" Square Steel Tubing.....	34.28	9.39
			<i>For >100 To 250, Deduct</i>	-0.94	
			<i>For >250 To 500, Deduct</i>	-1.80	
			<i>For >500 To 1,000, Deduct</i>	-2.97	
			<i>For >1,000, Deduct</i>	-4.13	
			<i>For Galvanized Steel, Add</i>	13.50	
05 12 23 00-0728	LF		5" x 5" x 1/4" Square Steel Tubing.....	38.50	10.54
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-2.02	
			<i>For >500 To 1,000, Deduct</i>	-3.33	
			<i>For >1,000, Deduct</i>	-4.64	
			<i>For Galvanized Steel, Add</i>	15.16	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0729 LF 6" x 6" x 1/4" Square Steel Tubing.....	46.88	12.83
For >100 To 250, Deduct	-1.28	
For >250 To 500, Deduct	-2.46	
For >500 To 1,000, Deduct	-4.06	
For >1,000, Deduct	-5.65	
For Galvanized Steel, Add	18.46	
05 12 23 00-0730 Rectangular Steel Tubing (05 12 23 00-0687)		
05 12 23 00-0731 3/16" Wall Thickness (05 12 23 00-0730)		
05 12 23 00-0732 LF 3" x 2" x 3/16" Square Steel Tubing.....	16.20	4.71
For >100 To 250, Deduct	-0.47	
For >250 To 500, Deduct	-0.88	
For >500 To 1,000, Deduct	-1.44	
For >1,000, Deduct	-2.00	
For Galvanized Steel, Add	6.14	
05 12 23 00-0733 LF 4" x 2" x 3/16" Square Steel Tubing.....	19.91	5.80
For >100 To 250, Deduct	-0.58	
For >250 To 500, Deduct	-1.08	
For >500 To 1,000, Deduct	-1.77	
For >1,000, Deduct	-2.46	
For Galvanized Steel, Add	7.55	
05 12 23 00-0734 LF 4" x 3" x 3/16" Square Steel Tubing.....	23.62	6.87
For >100 To 250, Deduct	-0.69	
For >250 To 500, Deduct	-1.28	
For >500 To 1,000, Deduct	-2.10	
For >1,000, Deduct	-2.92	
For Galvanized Steel, Add	8.96	
05 12 23 00-0735 LF 5" x 2" x 3/16" Square Steel Tubing.....	23.62	6.87
For >100 To 250, Deduct	-0.69	
For >250 To 500, Deduct	-1.28	
For >500 To 1,000, Deduct	-2.10	
For >1,000, Deduct	-2.92	
For Galvanized Steel, Add	8.96	
05 12 23 00-0736 LF 5" x 3" x 3/16" Square Steel Tubing.....	27.31	7.94
For >100 To 250, Deduct	-0.80	
For >250 To 500, Deduct	-1.48	
For >500 To 1,000, Deduct	-2.43	
For >1,000, Deduct	-3.37	
For Galvanized Steel, Add	10.36	
05 12 23 00-0737 LF 5" x 4" x 3/16" Square Steel Tubing.....	31.01	9.03
For >100 To 250, Deduct	-0.90	
For >250 To 500, Deduct	-1.68	
For >500 To 1,000, Deduct	-2.75	
For >1,000, Deduct	-3.83	
For Galvanized Steel, Add	11.77	
05 12 23 00-0738 LF 6" x 2" x 3/16" Square Steel Tubing.....	27.31	7.94
For >100 To 250, Deduct	-0.80	
For >250 To 500, Deduct	-1.48	
For >500 To 1,000, Deduct	-2.43	
For >1,000, Deduct	-3.37	
For Galvanized Steel, Add	10.36	
05 12 23 00-0739 LF 6" x 3" x 3/16" Square Steel Tubing.....	31.01	9.03
For >100 To 250, Deduct	-0.90	
For >250 To 500, Deduct	-1.68	
For >500 To 1,000, Deduct	-2.75	
For >1,000, Deduct	-3.83	
For Galvanized Steel, Add	11.77	
05 12 23 00-0740 LF 6" x 4" x 3/16" Square Steel Tubing.....	34.68	10.09
For >100 To 250, Deduct	-1.01	
For >250 To 500, Deduct	-1.88	
For >500 To 1,000, Deduct	-3.08	
For >1,000, Deduct	-4.28	
For Galvanized Steel, Add	13.16	
05 12 23 00-0741 1/4" Wall Thickness (05 12 23 00-0730)		
05 12 23 00-0742 LF 3" x 2" x 1/4" Square Steel Tubing.....	17.53	4.80
For >100 To 250, Deduct	-0.48	
For >250 To 500, Deduct	-0.92	
For >500 To 1,000, Deduct	-1.52	
For >1,000, Deduct	-2.11	
For Galvanized Steel, Add	6.90	
05 12 23 00-0743 LF 4" x 2" x 1/4" Square Steel Tubing.....	21.71	5.95
For >100 To 250, Deduct	-0.59	
For >250 To 500, Deduct	-1.14	
For >500 To 1,000, Deduct	-1.88	
For >1,000, Deduct	-2.62	
For Galvanized Steel, Add	8.55	
05 12 23 00-0744 LF 4" x 3" x 1/4" Square Steel Tubing.....	25.90	7.09
For >100 To 250, Deduct	-0.71	
For >250 To 500, Deduct	-1.36	
For >500 To 1,000, Deduct	-2.24	
For >1,000, Deduct	-3.12	
For Galvanized Steel, Add	10.20	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0745	LF		5" x 2" x 1/4" Square Steel Tubing.....	25.90	7.09
			<i>For >100 To 250, Deduct</i>	-0.71	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500 To 1,000, Deduct</i>	-2.24	
			<i>For >1,000, Deduct</i>	-3.12	
			<i>For Galvanized Steel, Add</i>	10.20	
05 12 23 00-0746	LF		5" x 3" x 1/4" Square Steel Tubing.....	30.09	8.24
			<i>For >100 To 250, Deduct</i>	-0.82	
			<i>For >250 To 500, Deduct</i>	-1.58	
			<i>For >500 To 1,000, Deduct</i>	-2.60	
			<i>For >1,000, Deduct</i>	-3.63	
			<i>For Galvanized Steel, Add</i>	11.85	
05 12 23 00-0747	LF		5" x 4" x 1/4" Square Steel Tubing.....	34.28	9.39
			<i>For >100 To 250, Deduct</i>	-0.94	
			<i>For >250 To 500, Deduct</i>	-1.80	
			<i>For >500 To 1,000, Deduct</i>	-2.97	
			<i>For >1,000, Deduct</i>	-4.13	
			<i>For Galvanized Steel, Add</i>	13.50	
05 12 23 00-0748	LF		6" x 2" x 1/4" Square Steel Tubing.....	30.09	8.24
			<i>For >100 To 250, Deduct</i>	-0.82	
			<i>For >250 To 500, Deduct</i>	-1.58	
			<i>For >500 To 1,000, Deduct</i>	-2.60	
			<i>For >1,000, Deduct</i>	-3.63	
			<i>For Galvanized Steel, Add</i>	11.85	
05 12 23 00-0749	LF		6" x 3" x 1/4" Square Steel Tubing.....	34.28	9.39
			<i>For >100 To 250, Deduct</i>	-0.94	
			<i>For >250 To 500, Deduct</i>	-1.80	
			<i>For >500 To 1,000, Deduct</i>	-2.97	
			<i>For >1,000, Deduct</i>	-4.13	
			<i>For Galvanized Steel, Add</i>	13.50	
05 12 23 00-0750	LF		6" x 4" x 1/4" Square Steel Tubing.....	38.50	10.54
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-2.02	
			<i>For >500 To 1,000, Deduct</i>	-3.33	
			<i>For >1,000, Deduct</i>	-4.64	
			<i>For Galvanized Steel, Add</i>	15.16	
05 12 23 00-0751			Round Steel Tubing <small>(05 12 23 00-0687)</small>		
05 12 23 00-0752			0.065" Wall Thickness <small>(05 12 23 00-0751)</small>		
05 12 23 00-0753	LF		1" Diameter x 0.065" Round Steel Tubing	3.55	0.88
			<i>For >100 To 250, Deduct</i>	-0.09	
			<i>For >250 To 500, Deduct</i>	-0.18	
			<i>For >500 To 1,000, Deduct</i>	-0.29	
			<i>For >1,000, Deduct</i>	-0.41	
			<i>For Galvanized Steel, Add</i>	1.48	
05 12 23 00-0754	LF		1-1/4" Diameter x 0.065" Round Steel Tubing	4.50	1.11
			<i>For >100 To 250, Deduct</i>	-0.11	
			<i>For >250 To 500, Deduct</i>	-0.22	
			<i>For >500 To 1,000, Deduct</i>	-0.37	
			<i>For >1,000, Deduct</i>	-0.52	
			<i>For Galvanized Steel, Add</i>	1.87	
05 12 23 00-0755	LF		1-1/2" Diameter x 0.065" Round Steel Tubing	5.44	1.35
			<i>For >100 To 250, Deduct</i>	-0.13	
			<i>For >250 To 500, Deduct</i>	-0.27	
			<i>For >500 To 1,000, Deduct</i>	-0.45	
			<i>For >1,000, Deduct</i>	-0.63	
			<i>For Galvanized Steel, Add</i>	2.26	
05 12 23 00-0756	LF		2" Diameter x 0.065" Round Steel Tubing	7.33	1.81
			<i>For >100 To 250, Deduct</i>	-0.18	
			<i>For >250 To 500, Deduct</i>	-0.36	
			<i>For >500 To 1,000, Deduct</i>	-0.61	
			<i>For >1,000, Deduct</i>	-0.85	
			<i>For Galvanized Steel, Add</i>	3.05	
05 12 23 00-0757	LF		2-1/2" Diameter x 0.065" Round Steel Tubing	9.24	2.28
			<i>For >100 To 250, Deduct</i>	-0.23	
			<i>For >250 To 500, Deduct</i>	-0.46	
			<i>For >500 To 1,000, Deduct</i>	-0.77	
			<i>For >1,000, Deduct</i>	-1.07	
			<i>For Galvanized Steel, Add</i>	3.84	
05 12 23 00-0758	LF		3" Diameter x 0.065" Round Steel Tubing	11.13	2.75
			<i>For >100 To 250, Deduct</i>	-0.27	
			<i>For >250 To 500, Deduct</i>	-0.55	
			<i>For >500 To 1,000, Deduct</i>	-0.92	
			<i>For >1,000, Deduct</i>	-1.29	
			<i>For Galvanized Steel, Add</i>	4.63	
05 12 23 00-0759	LF		3-1/2" Diameter x 0.065" Round Steel Tubing	13.03	3.22
			<i>For >100 To 250, Deduct</i>	-0.32	
			<i>For >250 To 500, Deduct</i>	-0.65	
			<i>For >500 To 1,000, Deduct</i>	-1.08	
			<i>For >1,000, Deduct</i>	-1.51	
			<i>For Galvanized Steel, Add</i>	5.42	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0760	LF			4" Diameter x 0.065" Round Steel Tubing 14.93	14.93	3.68
				<i>For >100 To 250, Deduct</i>	-0.37	
				<i>For >250 To 500, Deduct</i>	-0.74	
				<i>For >500 To 1,000, Deduct</i>	-1.24	
				<i>For >1,000, Deduct</i>	-1.73	
				<i>For Galvanized Steel, Add</i>	6.21	
05 12 23 00-0761				0.083" Wall Thickness (05 12 23 00-0751)		
05 12 23 00-0762	LF			1" Diameter x 0.083" Round Steel Tubing 3.85	3.85	0.96
				<i>For >100 To 250, Deduct</i>	-0.10	
				<i>For >250 To 500, Deduct</i>	-0.19	
				<i>For >500 To 1,000, Deduct</i>	-0.32	
				<i>For >1,000, Deduct</i>	-0.45	
				<i>For Galvanized Steel, Add</i>	1.59	
05 12 23 00-0763	LF			1-1/4" Diameter x 0.083" Round Steel Tubing 4.91	4.91	1.22
				<i>For >100 To 250, Deduct</i>	-0.12	
				<i>For >250 To 500, Deduct</i>	-0.25	
				<i>For >500 To 1,000, Deduct</i>	-0.41	
				<i>For >1,000, Deduct</i>	-0.57	
				<i>For Galvanized Steel, Add</i>	2.03	
05 12 23 00-0764	LF			1-1/2" Diameter x 0.083" Round Steel Tubing 5.95	5.95	1.48
				<i>For >100 To 250, Deduct</i>	-0.15	
				<i>For >250 To 500, Deduct</i>	-0.30	
				<i>For >500 To 1,000, Deduct</i>	-0.49	
				<i>For >1,000, Deduct</i>	-0.69	
				<i>For Galvanized Steel, Add</i>	2.47	
05 12 23 00-0765	LF			2" Diameter x 0.083" Round Steel Tubing 8.06	8.06	2.00
				<i>For >100 To 250, Deduct</i>	-0.20	
				<i>For >250 To 500, Deduct</i>	-0.40	
				<i>For >500 To 1,000, Deduct</i>	-0.67	
				<i>For >1,000, Deduct</i>	-0.94	
				<i>For Galvanized Steel, Add</i>	3.34	
05 12 23 00-0766	LF			2-1/2" Diameter x 0.083" Round Steel Tubing 10.16	10.16	2.53
				<i>For >100 To 250, Deduct</i>	-0.25	
				<i>For >250 To 500, Deduct</i>	-0.51	
				<i>For >500 To 1,000, Deduct</i>	-0.85	
				<i>For >1,000, Deduct</i>	-1.18	
				<i>For Galvanized Steel, Add</i>	4.21	
05 12 23 00-0767	LF			3" Diameter x 0.083" Round Steel Tubing 12.27	12.27	3.05
				<i>For >100 To 250, Deduct</i>	-0.31	
				<i>For >250 To 500, Deduct</i>	-0.61	
				<i>For >500 To 1,000, Deduct</i>	-1.02	
				<i>For >1,000, Deduct</i>	-1.43	
				<i>For Galvanized Steel, Add</i>	5.08	
05 12 23 00-0768	LF			3-1/2" Diameter x 0.083" Round Steel Tubing 14.36	14.36	3.57
				<i>For >100 To 250, Deduct</i>	-0.36	
				<i>For >250 To 500, Deduct</i>	-0.72	
				<i>For >500 To 1,000, Deduct</i>	-1.20	
				<i>For >1,000, Deduct</i>	-1.67	
				<i>For Galvanized Steel, Add</i>	5.95	
05 12 23 00-0769	LF			4" Diameter x 0.083" Round Steel Tubing 16.46	16.46	4.10
				<i>For >100 To 250, Deduct</i>	-0.41	
				<i>For >250 To 500, Deduct</i>	-0.82	
				<i>For >500 To 1,000, Deduct</i>	-1.37	
				<i>For >1,000, Deduct</i>	-1.92	
				<i>For Galvanized Steel, Add</i>	6.82	
05 12 23 00-0770				0.125" Wall Thickness (05 12 23 00-0751)		
05 12 23 00-0771	LF			2" Diameter x 0.125" Round Steel Tubing 8.66	8.66	2.54
				<i>For >100 To 250, Deduct</i>	-0.25	
				<i>For >250 To 500, Deduct</i>	-0.47	
				<i>For >500 To 1,000, Deduct</i>	-0.77	
				<i>For >1,000, Deduct</i>	-1.07	
				<i>For Galvanized Steel, Add</i>	3.27	
05 12 23 00-0772	LF			2-1/2" Diameter x 0.125" Round Steel Tubing 10.97	10.97	3.21
				<i>For >100 To 250, Deduct</i>	-0.32	
				<i>For >250 To 500, Deduct</i>	-0.60	
				<i>For >500 To 1,000, Deduct</i>	-0.98	
				<i>For >1,000, Deduct</i>	-1.36	
				<i>For Galvanized Steel, Add</i>	4.15	
05 12 23 00-0773	LF			3" Diameter x 0.125" Round Steel Tubing 13.28	13.28	3.88
				<i>For >100 To 250, Deduct</i>	-0.39	
				<i>For >250 To 500, Deduct</i>	-0.72	
				<i>For >500 To 1,000, Deduct</i>	-1.18	
				<i>For >1,000, Deduct</i>	-1.64	
				<i>For Galvanized Steel, Add</i>	5.02	
05 12 23 00-0774	LF			3-1/2" Diameter x 0.125" Round Steel Tubing 15.59	15.59	4.56
				<i>For >100 To 250, Deduct</i>	-0.46	
				<i>For >250 To 500, Deduct</i>	-0.85	
				<i>For >500 To 1,000, Deduct</i>	-1.39	
				<i>For >1,000, Deduct</i>	-1.93	
				<i>For Galvanized Steel, Add</i>	5.90	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0775	LF		4" Diameter x 0.125" Round Steel Tubing	17.89	5.23
			<i>For >100 To 250, Deduct</i>	-0.52	
			<i>For >250 To 500, Deduct</i>	-0.97	
			<i>For >500 To 1,000, Deduct</i>	-1.59	
			<i>For >1,000, Deduct</i>	-2.21	
			<i>For Galvanized Steel, Add</i>	6.76	
05 12 23 00-0776			Flat Steel Bar <small>(05 12 23 00-0438)</small>		
05 12 23 00-0777			1/8" Thick <small>(05 12 23 00-0776)</small>		
05 12 23 00-0778	LF		1/8" Thick x 1" Wide Flat Steel Bar	2.47	1.26
			<i>For Galvanized Steel, Add</i>	0.36	
05 12 23 00-0779	LF		1/8" Thick x 2" Wide Flat Steel Bar	3.80	1.89
			<i>For Galvanized Steel, Add</i>	0.60	
05 12 23 00-0780	LF		1/8" Thick x 4" Wide Flat Steel Bar	5.74	2.67
			<i>For Galvanized Steel, Add</i>	1.09	
05 12 23 00-0781	LF		1/8" Thick x 6" Wide Flat Steel Bar	7.78	3.61
			<i>For Galvanized Steel, Add</i>	1.46	
05 12 23 00-0782			3/16" Thick <small>(05 12 23 00-0776)</small>		
05 12 23 00-0783	LF		3/16" Thick x 1" Wide Flat Steel Bar	3.22	1.57
			<i>For Galvanized Steel, Add</i>	0.55	
05 12 23 00-0784	LF		3/16" Thick x 2" Wide Flat Steel Bar	5.04	2.34
			<i>For Galvanized Steel, Add</i>	0.94	
05 12 23 00-0785	LF		3/16" Thick x 4" Wide Flat Steel Bar	6.60	2.70
			<i>For Galvanized Steel, Add</i>	1.59	
05 12 23 00-0786	LF		3/16" Thick x 6" Wide Flat Steel Bar	9.15	3.74
			<i>For Galvanized Steel, Add</i>	2.19	
05 12 23 00-0787			1/4" Thick <small>(05 12 23 00-0776)</small>		
05 12 23 00-0788	LF		1/4" Thick x 1" Wide Flat Steel Bar	3.36	1.65
			<i>For Galvanized Steel, Add</i>	0.54	
05 12 23 00-0789	LF		1/4" Thick x 2" Wide Flat Steel Bar	5.48	2.49
			<i>For Galvanized Steel, Add</i>	1.09	
05 12 23 00-0790	LF		1/4" Thick x 4" Wide Flat Steel Bar	7.66	2.84
			<i>For Galvanized Steel, Add</i>	2.11	
05 12 23 00-0791	LF		1/4" Thick x 6" Wide Flat Steel Bar	11.12	4.20
			<i>For Galvanized Steel, Add</i>	2.99	
05 12 23 00-0792			3/8" Thick <small>(05 12 23 00-0776)</small>		
05 12 23 00-0793	LF		3/8" Thick x 1" Wide Flat Steel Bar	4.16	1.86
			<i>For Galvanized Steel, Add</i>	0.84	
05 12 23 00-0794	LF		3/8" Thick x 2" Wide Flat Steel Bar	6.71	2.79
			<i>For Galvanized Steel, Add</i>	1.56	
05 12 23 00-0795	LF		3/8" Thick x 4" Wide Flat Steel Bar	9.82	3.18
			<i>For Galvanized Steel, Add</i>	3.12	
05 12 23 00-0796	LF		3/8" Thick x 6" Wide Flat Steel Bar	14.16	4.71
			<i>For Galvanized Steel, Add</i>	4.39	
05 12 23 00-0797			1/2" Thick <small>(05 12 23 00-0776)</small>		
05 12 23 00-0798	LF		1/2" Thick x 1" Wide Flat Steel Bar	4.83	2.04
			<i>For Galvanized Steel, Add</i>	1.09	
05 12 23 00-0799	LF		1/2" Thick x 2" Wide Flat Steel Bar	7.83	3.08
			<i>For Galvanized Steel, Add</i>	1.99	
05 12 23 00-0800	LF		1/2" Thick x 4" Wide Flat Steel Bar	10.73	3.50
			<i>For Galvanized Steel, Add</i>	3.39	
05 12 23 00-0801	LF		1/2" Thick x 6" Wide Flat Steel Bar	18.70	5.19
			<i>For Galvanized Steel, Add</i>	6.76	
05 12 23 00-0802			Flat Steel Plate <small>(05 12 23 00-0438)</small>		
05 12 23 00-0803	SF		1/8" Thick Flat Steel Plate	12.26	5.42
			<i>For 316 Stainless Steel, Add</i>	13.18	
			<i>For Aluminum, Add</i>	0.74	
			<i>For Galvanized Steel, Add</i>	2.55	
			<i>For 304 Stainless Steel, Add</i>	11.74	
05 12 23 00-0804	SF		3/16" Thick Flat Steel Plate	13.58	5.61
			<i>For 316 Stainless Steel, Add</i>	16.48	
			<i>For Aluminum, Add</i>	0.93	
			<i>For Galvanized Steel, Add</i>	3.19	
			<i>For 304 Stainless Steel, Add</i>	14.68	
05 12 23 00-0805	SF		1/4" Thick Flat Steel Plate	16.02	6.29
			<i>For 316 Stainless Steel, Add</i>	21.02	
			<i>For Aluminum, Add</i>	1.18	
			<i>For Galvanized Steel, Add</i>	4.07	
			<i>For 304 Stainless Steel, Add</i>	18.72	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0806	SF			3/8" Thick Flat Steel Plate..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	20.94 32.99 1.86 6.39 29.38	7.07
05 12 23 00-0807	SF			1/2" Thick Flat Steel Plate..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	24.52 41.09 2.31 7.96 36.59	7.78
05 12 23 00-0808	SF			3/4" Thick Flat Steel Plate..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	38.68 77.06 4.33 14.93 68.63	9.64
05 12 23 00-0809	SF			1" Thick Flat Steel Plate..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	51.22 105.50 5.93 20.44 93.96	12.04

05 13 Structural Stainless-Steel Framing (05 10)

05 13 00 00-0001 Stainless Steel Tube (05 13)						
05 13 00 00-0002	LF			1" x 1" Stainless Steel Tube.....	25.11	
05 13 00 00-0003	LF			1-1/2" x 1-1/2" Stainless Steel Tube	32.58	
05 13 00 00-0004	LF			2" x 2" Stainless Steel Tube.....	43.35	

05 14 Structural Aluminum Framing (05 10)

05 14 13 Architecturally-Exposed Structural Aluminum Framing (05 14)

05 14 13 00-0001 Rolled Or Plate Shapes (05 14 13)						
Note: 1" through 10" member.						
05 14 13 00-0002	LB			Structural Aluminum, Up To 2,000 LB / Order 1" To 10" Rolled / Plate Structural Members	5.13	0.70
05 14 13 00-0003	LB			Structural Aluminum, >2,000 - 9,999 LB / Order 1" To 10" Rolled / Plate Structural Members.....	4.54	0.65

05 14 13 00-0004 Aluminum Extrusions (05 14 13)						
05 14 13 00-0005	LB			Aluminum Extrusions, Stock Shapes 1" To 10" Rolled / Plate Structural Members	9.29	2.90
05 14 13 00-0006	LB			Aluminum Extrusions, Custom Shapes 1" To 10" Rolled / Plate Structural Members.....	9.73	2.90

05 14 13 00-0007 Aluminum Tubing (05 14 13)						
05 14 13 00-0008	LB			Aluminum Extrusions, Tubular Shapes 1" To 10" Rolled / Plate Structural Members.....	10.59	3.05
05 14 13 00-0009	LF			1" x 1" Aluminum Tubing, 1/8" Wall Thickness	12.26	4.95
05 14 13 00-0010	LF			1-1/4" x 1-1/4" Aluminum Tubing, 1/8" Wall Thickness.....	14.10	5.39
05 14 13 00-0011	LF			1-1/2" x 1-1/2" Aluminum Tubing, 1/8" Wall Thickness.....	16.31	6.30
05 14 13 00-0012	LF			2" x 2" Aluminum Tubing, 1/8" Wall Thickness	18.46	6.74
05 14 13 00-0013	LF			4" x 4" Aluminum Tubing, 1/4" Wall Thickness	39.95	8.54
05 14 13 00-0014	LF			2" x 5" Aluminum Tubing, 1/4" Wall Thickness	33.53	7.65

05 14 13 00-0015 Columns (05 14 13)						
Note: Baked on paint finish, load bearing.						

05 14 13 00-0016 Round Columns (05 14 13 00-0015)						
05 14 13 00-0017	LF			6" Diameter Aluminum Column.....	31.75	5.84
05 14 13 00-0018	LF			8" Diameter Aluminum Column.....	42.21	8.37
05 14 13 00-0019	LF			10" Diameter Aluminum Column.....	50.95	9.42
05 14 13 00-0020	LF			12" Diameter Aluminum Column.....	73.54	9.86
05 14 13 00-0021	LF			15" Diameter Aluminum Column.....	93.09	11.43
05 14 13 00-0022	EA			6" Diameter Aluminum Base And Cap	60.72	10.91
05 14 13 00-0023	EA			8" Diameter Aluminum Base And Cap	69.03	11.78
05 14 13 00-0024	EA			10" Diameter Aluminum Base And Cap	85.93	13.09
05 14 13 00-0025	EA			12" Diameter Aluminum Base And Cap	142.76	13.96
05 14 13 00-0026	EA			15" Diameter Aluminum Base And Cap	214.51	15.27

05 14 13 00-0027 Octagonal Columns (05 14 13 00-0015)						
05 14 13 00-0028	LF			6" Diameter Aluminum Column.....	34.51	5.84
05 14 13 00-0029	LF			8" Diameter Aluminum Column.....	47.29	8.37
05 14 13 00-0030	LF			10" Diameter Aluminum Column.....	57.37	9.42
05 14 13 00-0031	LF			12" Diameter Aluminum Column.....	84.32	9.86
05 14 13 00-0032	LF			15" Diameter Aluminum Column.....	107.15	11.43
05 14 13 00-0033	EA			6" Diameter Aluminum Base And Cap	68.50	10.91
05 14 13 00-0034	EA			8" Diameter Aluminum Base And Cap	78.12	11.78
05 14 13 00-0035	EA			10" Diameter Aluminum Base And Cap	97.88	13.09
05 14 13 00-0036	EA			12" Diameter Aluminum Base And Cap	165.72	13.96
05 14 13 00-0037	EA			15" Diameter Aluminum Base And Cap	251.31	15.27

05 Metals**05 10 Structural Metal Framing****05 14 Structural Aluminum Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 14 13 00-0038 Fluted Columns (05 14 13 00-0015)		
05 14 13 00-0039 LF 6" Diameter Aluminum Column.....	37.95	5.84
05 14 13 00-0040 LF 8" Diameter Aluminum Column.....	51.87	8.37
05 14 13 00-0041 LF 10" Diameter Aluminum Column.....	63.15	9.42
05 14 13 00-0042 LF 12" Diameter Aluminum Column.....	94.03	9.86
05 14 13 00-0043 LF 15" Diameter Aluminum Column.....	119.80	11.43
05 14 13 00-0044 EA 6" Diameter Aluminum Base And Cap.....	75.51	10.91
05 14 13 00-0045 EA 8" Diameter Aluminum Base And Cap.....	86.30	11.78
05 14 13 00-0046 EA 10" Diameter Aluminum Base And Cap.....	108.64	13.09
05 14 13 00-0047 EA 12" Diameter Aluminum Base And Cap.....	186.39	13.96
05 14 13 00-0048 EA 15" Diameter Aluminum Base And Cap.....	284.42	15.27
05 14 13 00-0049 Square Columns (05 14 13 00-0015)		
05 14 13 00-0050 LF 6" Aluminum Column.....	40.30	5.84
05 14 13 00-0051 LF 8" Aluminum Column.....	55.00	8.37
05 14 13 00-0052 LF 10" Aluminum Column.....	67.10	9.42
05 14 13 00-0053 LF 12" Aluminum Column.....	100.66	9.86
05 14 13 00-0054 LF 15" Aluminum Column.....	128.46	11.43
05 14 13 00-0055 EA 6" Aluminum Base And Cap.....	80.30	10.91
05 14 13 00-0056 EA 8" Aluminum Base And Cap.....	91.90	11.78
05 14 13 00-0057 EA 10" Aluminum Base And Cap.....	116.00	13.09
05 14 13 00-0058 EA 12" Aluminum Base And Cap.....	200.53	13.96
05 14 13 00-0059 EA 15" Aluminum Base And Cap.....	307.07	15.27
05 14 13 00-0060 Ornamental Or Decorative Cap And Bases (05 14 13 00-0015)		
05 14 13 00-0061 EA 8" Corinthian Capital And Base.....	422.24	13.09
05 14 13 00-0062 EA 10" Corinthian Capital And Base.....	618.72	15.27
05 14 13 00-0063 EA 12" Corinthian Capital And Base.....	974.29	17.45
05 14 13 00-0064 EA 8" Scamozzi Capital And Base.....	214.05	13.09
05 14 13 00-0065 EA 10" Scamozzi Capital And Base.....	285.28	15.27
05 14 13 00-0066 EA 12" Scamozzi Capital And Base.....	565.02	17.45
05 15 Wire Rope Assemblies (05 10)		
05 15 16 Steel Wire Rope Assemblies (05 15)		
05 15 16 00-0001 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope (05 15 16)		
05 15 16 00-0002 LF 1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.13	0.09
For >500, Deduct	-0.19	
05 15 16 00-0003 LF 5/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.52	0.09
For >500, Deduct	-0.26	
05 15 16 00-0004 LF 3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.81	0.18
For >500, Deduct	-0.29	
05 15 16 00-0005 LF 7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.20	0.18
For >500, Deduct	-0.35	
05 15 16 00-0006 LF 1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.57	0.27
For >500, Deduct	-0.39	
05 15 16 00-0007 LF 9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	3.16	0.36
For >500, Deduct	-0.47	
05 15 16 00-0008 LF 5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	3.78	0.36
For >500, Deduct	-0.56	
05 15 16 00-0009 LF 3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	5.24	0.63
For >500, Deduct	-0.76	
05 15 16 00-0010 LF 7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	7.05	0.72
For >500, Deduct	-1.02	
05 15 16 00-0011 LF 1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	8.81	0.99
For >500, Deduct	-1.25	
05 15 16 00-0012 LF 1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	10.90	1.26
For >500, Deduct	-1.55	
05 15 16 00-0013 LF 1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	13.28	1.53
For >500, Deduct	-1.89	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0014			6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope <small>(05 15 16)</small>		
05 15 16 00-0015	LF		1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.32	0.09
			<i>For >500, Deduct</i>	-0.23	
05 15 16 00-0016	LF		5/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.71	0.09
			<i>For >500, Deduct</i>	-0.29	
05 15 16 00-0017	LF		3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.13	0.18
			<i>For >500, Deduct</i>	-0.36	
05 15 16 00-0018	LF		7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.44	0.18
			<i>For >500, Deduct</i>	-0.39	
05 15 16 00-0019	LF		1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.93	0.27
			<i>For >500, Deduct</i>	-0.46	
05 15 16 00-0020	LF		9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	3.39	0.36
			<i>For >500, Deduct</i>	-0.52	
05 15 16 00-0021	LF		5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	3.97	0.36
			<i>For >500, Deduct</i>	-0.60	
05 15 16 00-0022	LF		3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	5.81	0.63
			<i>For >500, Deduct</i>	-0.88	
05 15 16 00-0023	LF		7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	7.48	0.72
			<i>For >500, Deduct</i>	-1.11	
05 15 16 00-0024	LF		1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	9.22	0.99
			<i>For >500, Deduct</i>	-1.34	
05 15 16 00-0025	LF		1-1/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	11.82	1.26
			<i>For >500, Deduct</i>	-1.72	
05 15 16 00-0026	LF		1-1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	14.35	1.53
			<i>For >500, Deduct</i>	-2.10	
05 15 16 00-0027			6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope <small>(05 15 16)</small>		
05 15 16 00-0028	LF		1/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	1.05	0.09
			<i>For >500, Deduct</i>	-0.18	
05 15 16 00-0029	LF		5/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	1.43	0.09
			<i>For >500, Deduct</i>	-0.24	
05 15 16 00-0030	LF		3/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	1.71	0.18
			<i>For >500, Deduct</i>	-0.27	
05 15 16 00-0031	LF		7/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	2.02	0.18
			<i>For >500, Deduct</i>	-0.31	
05 15 16 00-0032	LF		1/2" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	2.45	0.27
			<i>For >500, Deduct</i>	-0.37	
05 15 16 00-0033	LF		9/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	3.10	0.36
			<i>For >500, Deduct</i>	-0.46	
05 15 16 00-0034	LF		5/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	3.64	0.36
			<i>For >500, Deduct</i>	-0.53	
05 15 16 00-0035	LF		3/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	5.11	0.63
			<i>For >500, Deduct</i>	-0.74	
05 15 16 00-0036	LF		7/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	6.30	0.72
			<i>For >500, Deduct</i>	-0.87	
05 15 16 00-0037	LF		1" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	8.02	0.99
			<i>For >500, Deduct</i>	-1.10	
05 15 16 00-0038			6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope <small>(05 15 16)</small>		
05 15 16 00-0039	LF		1/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.04	0.09
			<i>For >500, Deduct</i>	-0.18	
05 15 16 00-0040	LF		5/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.38	0.09
			<i>For >500, Deduct</i>	-0.23	
05 15 16 00-0041	LF		3/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.71	0.18
			<i>For >500, Deduct</i>	-0.27	
05 15 16 00-0042	LF		7/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.02	0.18
			<i>For >500, Deduct</i>	-0.31	
05 15 16 00-0043	LF		1/2" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.55	0.27
			<i>For >500, Deduct</i>	-0.39	
05 15 16 00-0044	LF		9/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	3.05	0.36
			<i>For >500, Deduct</i>	-0.45	
05 15 16 00-0045	LF		5/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	3.83	0.36
			<i>For >500, Deduct</i>	-0.57	
05 15 16 00-0046	LF		3/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	5.34	0.63
			<i>For >500, Deduct</i>	-0.78	

05 Metals

05 10 Structural Metal Framing

05 15 Wire Rope Assemblies



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0047	LF		7/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope <i>For >500, Deduct</i>	7.00 -1.01	0.72
05 15 16 00-0048	LF		1" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope <i>For >500, Deduct</i>	8.66 -1.23	0.99
05 15 16 00-0049			6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope ^(05 15 16)		
05 15 16 00-0050	LF		3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <i>For >500, Deduct</i>	1.93 -0.32	0.18
05 15 16 00-0051	LF		7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <i>For >500, Deduct</i>	2.28 -0.36	0.18
05 15 16 00-0052	LF		1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <i>For >500, Deduct</i>	2.68 -0.41	0.27
05 15 16 00-0053	LF		9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <i>For >500, Deduct</i>	3.60 -0.56	0.36
05 15 16 00-0054	LF		5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <i>For >500, Deduct</i>	3.99 -0.60	0.36
05 15 16 00-0055	LF		3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <i>For >500, Deduct</i>	5.45 -0.81	0.63
05 15 16 00-0056	LF		7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <i>For >500, Deduct</i>	7.03 -1.02	0.72
05 15 16 00-0057	LF		1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <i>For >500, Deduct</i>	9.25 -1.34	0.99
05 15 16 00-0058	LF		1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <i>For >500, Deduct</i>	11.23 -1.61	1.26
05 15 16 00-0059	LF		1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <i>For >500, Deduct</i>	13.56 -1.94	1.53
05 15 16 00-0060			6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope ^(05 15 16)		
05 15 16 00-0061	LF		3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <i>For >500, Deduct</i>	1.98 -0.33	0.18
05 15 16 00-0062	LF		7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <i>For >500, Deduct</i>	2.41 -0.39	0.18
05 15 16 00-0063	LF		1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <i>For >500, Deduct</i>	2.86 -0.45	0.27
05 15 16 00-0064	LF		9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <i>For >500, Deduct</i>	3.99 -0.64	0.36
05 15 16 00-0065	LF		5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <i>For >500, Deduct</i>	4.06 -0.62	0.36
05 15 16 00-0066	LF		3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <i>For >500, Deduct</i>	5.58 -0.83	0.63
05 15 16 00-0067	LF		7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <i>For >500, Deduct</i>	7.41 -1.10	0.72
05 15 16 00-0068	LF		1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <i>For >500, Deduct</i>	9.38 -1.37	0.99
05 15 16 00-0069			19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope ^(05 15 16)		
05 15 16 00-0070	LF		1/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <i>For >500, Deduct</i>	2.01 -0.37	0.09
05 15 16 00-0071	LF		5/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <i>For >500, Deduct</i>	2.19 -0.39	0.09
05 15 16 00-0072	LF		3/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <i>For >500, Deduct</i>	2.58 -0.45	0.18
05 15 16 00-0073	LF		7/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <i>For >500, Deduct</i>	3.47 -0.60	0.18



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0074 LF 1/2" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <i>For >500, Deduct</i>	3.94 -0.69	0.18
05 15 16 00-0075 LF 9/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <i>For >500, Deduct</i>	4.60 -0.76	0.36
05 15 16 00-0076 LF 5/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <i>For >500, Deduct</i>	5.48 -0.90	0.36
05 15 16 00-0077 LF 3/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <i>For >500, Deduct</i>	7.54 -1.23	0.54
05 15 16 00-0078 7x7, Galvanized Finish, Aircraft Cable (05 15 16)		
05 15 16 00-0079 LF 1/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.25 -0.03	0.06
05 15 16 00-0080 LF 3/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.28 -0.03	0.07
05 15 16 00-0081 LF 1/8" Diameter, 7x7, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.31 -0.04	0.08
05 15 16 00-0082 LF 5/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.36 -0.04	0.09
05 15 16 00-0083 LF 3/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.44 -0.06	0.09
05 15 16 00-0084 7x19, Galvanized Finish, Aircraft Cable (05 15 16)		
05 15 16 00-0085 LF 1/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.43 -0.06	0.08
05 15 16 00-0086 LF 5/32" Diameter, 7x19, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.46 -0.06	0.09
05 15 16 00-0087 LF 3/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.53 -0.07	0.09
05 15 16 00-0088 LF 1/4" Diameter, 7x19, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.62 -0.09	0.09
05 15 16 00-0089 LF 5/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.93 -0.14	0.09
05 15 16 00-0090 LF 3/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	1.25 -0.18	0.09
05 15 16 00-0091 Heavy Duty, Galvanized Steel, Wire Rope Thimbles (05 15 16)		
05 15 16 00-0092 EA 1/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	10.24	2.70
05 15 16 00-0093 EA 5/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	11.00	2.70
05 15 16 00-0094 EA 3/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	11.85	2.70
05 15 16 00-0095 EA 7/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	14.18	2.70
05 15 16 00-0096 EA 1/2" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	14.19	2.70
05 15 16 00-0097 EA 9/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	14.19	2.70
05 15 16 00-0098 EA 5/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	14.98	2.70
05 15 16 00-0099 EA 3/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	26.06	4.14
05 15 16 00-0100 EA 7/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	31.07	5.04
05 15 16 00-0101 EA 1" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	54.02	8.27
05 15 16 00-0102 EA 1-1/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	76.41	11.24
05 15 16 00-0103 EA 1-1/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	76.41	11.24
05 15 16 00-0104 Galvanized Steel, Wire Rope Clips (05 15 16)		
05 15 16 00-0105 EA 1/8" Diameter, Galvanized Steel, Wire Rope Clip	11.95	2.70
05 15 16 00-0106 EA 3/16" Diameter, Galvanized Steel, Wire Rope Clip	12.13	2.70
05 15 16 00-0107 EA 1/4" Diameter, Galvanized Steel, Wire Rope Clip	13.38	2.70
05 15 16 00-0108 EA 5/16" Diameter, Galvanized Steel, Wire Rope Clip	13.57	2.70
05 15 16 00-0109 EA 3/8" Diameter, Galvanized Steel, Wire Rope Clip	13.85	2.70
05 15 16 00-0110 EA 7/16" Diameter, Galvanized Steel, Wire Rope Clip	16.53	2.70
05 15 16 00-0111 EA 1/2" Diameter, Galvanized Steel, Wire Rope Clip	16.74	2.70
05 15 16 00-0112 EA 9/16" Diameter, Galvanized Steel, Wire Rope Clip	18.77	2.70
05 15 16 00-0113 EA 5/8" Diameter, Galvanized Steel, Wire Rope Clip	19.04	2.70
05 15 16 00-0114 EA 3/4" Diameter, Galvanized Steel, Wire Rope Clip	26.54	3.60
05 15 16 00-0115 EA 7/8" Diameter, Galvanized Steel, Wire Rope Clip	40.16	5.39
05 15 16 00-0116 EA 1" Diameter, Galvanized Steel, Wire Rope Clip	43.55	5.39
05 15 16 00-0117 EA 1-1/8" Diameter, Galvanized Steel, Wire Rope Clip	51.97	7.19
05 15 16 00-0118 EA 1-1/4" Diameter, Galvanized Steel, Wire Rope Clip	75.62	10.80
05 15 16 00-0119 Steel, Open Swage Sockets (05 15 16)		
05 15 16 00-0120 EA 1/4" Diameter, Steel, Open Swage Socket	42.70	2.70
05 15 16 00-0121 EA 5/16" Diameter, Steel, Open Swage Socket	66.12	2.70
05 15 16 00-0122 EA 3/8" Diameter, Steel, Open Swage Socket	69.68	3.60
05 15 16 00-0123 EA 7/16" Diameter, Steel, Open Swage Socket	84.06	4.50
05 15 16 00-0124 EA 1/2" Diameter, Steel, Open Swage Socket	84.06	4.50
05 15 16 00-0125 EA 9/16" Diameter, Steel, Open Swage Socket	129.38	9.89
05 15 16 00-0126 EA 5/8" Diameter, Steel, Open Swage Socket	129.38	9.89

05 Metals**05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0127 EA 3/4" Diameter, Steel, Open Swage Socket	176.36	18.89
05 15 16 00-0128 EA 7/8" Diameter, Steel, Open Swage Socket	239.78	26.99
05 15 16 00-0129 EA 1" Diameter, Steel, Open Swage Socket	344.63	41.38
05 15 16 00-0130 EA 1-1/8" Diameter, Steel, Open Swage Socket	473.10	64.76
05 15 16 00-0131 EA 1-1/4" Diameter, Steel, Open Swage Socket	551.11	74.65
05 15 16 00-0132 Steel, Closed Swage Sockets (05 15 16)		
05 15 16 00-0133 EA 1/4" Diameter, Steel, Closed Swage Socket	35.20	2.70
05 15 16 00-0134 EA 5/16" Diameter, Steel, Closed Swage Socket	46.11	2.70
05 15 16 00-0135 EA 3/8" Diameter, Steel, Closed Swage Socket	46.11	2.70
05 15 16 00-0136 EA 7/16" Diameter, Steel, Closed Swage Socket	58.27	3.60
05 15 16 00-0137 EA 1/2" Diameter, Steel, Closed Swage Socket	59.26	3.60
05 15 16 00-0138 EA 9/16" Diameter, Steel, Closed Swage Socket	84.56	6.30
05 15 16 00-0139 EA 5/8" Diameter, Steel, Closed Swage Socket	88.85	7.19
05 15 16 00-0140 EA 3/4" Diameter, Steel, Closed Swage Socket	113.71	11.69
05 15 16 00-0141 EA 7/8" Diameter, Steel, Closed Swage Socket	151.11	17.09
05 15 16 00-0142 EA 1" Diameter, Steel, Closed Swage Socket	215.84	23.38
05 15 16 00-0143 EA 1-1/8" Diameter, Steel, Closed Swage Socket	272.92	32.38
05 15 16 00-0144 EA 1-1/4" Diameter, Steel, Closed Swage Socket	382.44	50.37
05 15 16 00-0145 Galvanized Steel, Open Spelter Sockets (05 15 16)		
05 15 16 00-0146 EA 1/4" Galvanized Steel, Open Spelter Socket	68.56	2.70
05 15 16 00-0147 EA 5/16" Galvanized Steel, Open Spelter Socket	71.58	2.70
05 15 16 00-0148 EA 3/8" Galvanized Steel, Open Spelter Socket	71.58	2.70
05 15 16 00-0149 EA 7/16" Galvanized Steel, Open Spelter Socket	83.70	5.39
05 15 16 00-0150 EA 1/2" Galvanized Steel, Open Spelter Socket	83.70	5.39
05 15 16 00-0151 EA 9/16" Galvanized Steel, Open Spelter Socket	113.91	9.00
05 15 16 00-0152 EA 5/8" Galvanized Steel, Open Spelter Socket	113.91	9.00
05 15 16 00-0153 EA 3/4" Galvanized Steel, Open Spelter Socket	148.58	13.49
05 15 16 00-0154 EA 7/8" Galvanized Steel, Open Spelter Socket	226.36	22.49
05 15 16 00-0155 EA 1" Galvanized Steel, Open Spelter Socket	399.47	35.08
05 15 16 00-0156 EA 1-1/8" Galvanized Steel, Open Spelter Socket	499.64	56.66
05 15 16 00-0157 EA 1-1/4" Galvanized Steel, Open Spelter Socket	673.35	74.65
05 15 16 00-0158 Galvanized Steel, Closed Spelter Sockets (05 15 16)		
05 15 16 00-0159 EA 1/4" Galvanized Steel, Closed Spelter Socket	58.18	2.70
05 15 16 00-0160 EA 5/16" Galvanized Steel, Closed Spelter Socket	58.51	2.70
05 15 16 00-0161 EA 3/8" Galvanized Steel, Closed Spelter Socket	58.51	2.70
05 15 16 00-0162 EA 7/16" Galvanized Steel, Closed Spelter Socket	68.47	4.50
05 15 16 00-0163 EA 1/2" Galvanized Steel, Closed Spelter Socket	68.47	4.50
05 15 16 00-0164 EA 9/16" Galvanized Steel, Closed Spelter Socket	99.75	8.09
05 15 16 00-0165 EA 5/8" Galvanized Steel, Closed Spelter Socket	99.75	8.09
05 15 16 00-0166 EA 3/4" Galvanized Steel, Closed Spelter Socket	126.83	11.69
05 15 16 00-0167 EA 7/8" Galvanized Steel, Closed Spelter Socket	186.57	17.99
05 15 16 00-0168 EA 1" Galvanized Steel, Closed Spelter Socket	283.56	27.88
05 15 16 00-0169 EA 1-1/8" Galvanized Steel, Closed Spelter Socket	372.53	37.77
05 15 16 00-0170 EA 1-1/4" Galvanized Steel, Closed Spelter Socket	474.66	50.37
05 15 16 00-0171 Forged Steel, Jaw And Jaw Turnbuckles (05 15 16)		
05 15 16 00-0172 EA 1/4" x 4", Forged Steel, Jaw And Jaw Turnbuckle	41.37	2.70
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-4.86	
05 15 16 00-0173 EA 5/16" x 4-1/2", Forged Steel, Jaw And Jaw Turnbuckle	44.06	2.70
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-5.26	
05 15 16 00-0174 EA 3/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle	49.05	2.70
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-6.01	
05 15 16 00-0175 EA 1/2" x 6", Forged Steel, Jaw And Jaw Turnbuckle	56.77	3.60
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-6.25	
05 15 16 00-0176 EA 1/2" x 9", Forged Steel, Jaw And Jaw Turnbuckle	74.18	4.50
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-8.32	
05 15 16 00-0177 EA 1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle	84.45	5.39
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-9.42	
05 15 16 00-0178 EA 5/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle	88.60	7.19
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-9.14	
05 15 16 00-0179 EA 5/8" x 9", Forged Steel, Jaw And Jaw Turnbuckle	107.63	7.19
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-11.65	
05 15 16 00-0180 EA 5/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle	121.30	8.09
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-13.38	
05 15 16 00-0181 EA 3/4" x 6", Forged Steel, Jaw And Jaw Turnbuckle	119.93	9.89
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-12.25	
05 15 16 00-0182 EA 3/4" x 9", Forged Steel, Jaw And Jaw Turnbuckle	138.27	11.69
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-13.64	
05 15 16 00-0183 EA 3/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle	167.48	12.59
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-17.41	
05 15 16 00-0184 EA 3/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle	201.57	15.29
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-20.93	
05 15 16 00-0185 EA 7/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle	236.45	21.58
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-22.62	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0186	EA		7/8" x 18", Forged Steel, Jaw And Jaw Turnbuckle <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	284.95 -27.75	25.19
05 15 16 00-0187	EA		1" x 6", Forged Steel, Jaw And Jaw Turnbuckle <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	244.08 -23.76	21.58
05 15 16 00-0188	EA		1" x 12", Forged Steel, Jaw And Jaw Turnbuckle <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	286.00 -26.04	27.88
05 15 16 00-0189	EA		1" x 18", Forged Steel, Jaw And Jaw Turnbuckle <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	384.80 -36.96	35.08
05 15 16 00-0190	EA		1" x 24", Forged Steel, Jaw And Jaw Turnbuckle <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	434.40 -40.63	41.38
05 15 16 00-0191	EA		1-1/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	492.26 -43.86	50.37
05 15 16 00-0192	EA		1-1/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	586.67 -54.27	56.66
05 15 16 00-0193	EA		1-1/4" x 24", Forged Steel, Jaw And Jaw Turnbuckle <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	743.97 -73.05	64.76
05 15 16 00-0194	EA		1-1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	746.12 -70.41	69.26
05 15 16 00-0195	EA		1-1/2" x 18", Forged Steel, Jaw And Jaw Turnbuckle <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	846.76 -73.05	89.95
05 15 16 00-0196	EA		1-1/2" x 24", Forged Steel, Jaw And Jaw Turnbuckle <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	1,432.49 -147.42	116.92
05 15 16 00-0197	EA		2" x 24", Forged Steel, Jaw And Jaw Turnbuckle <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	2,424.92 -228.83	224.85
05 15 16 00-0198 Galvanized Steel, Drop Forged, Shoulder Eye Bolts (05 15 16)					
05 15 16 00-0199	EA		1/4" Diameter Thread, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	10.69	
05 15 16 00-0200	EA		5/16" Diameter Thread, 7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	10.73	
05 15 16 00-0201	EA		3/8" Diameter Thread, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	11.74	
05 15 16 00-0202	EA		7/16" Diameter Thread, 1-3/32" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	13.89	
05 15 16 00-0203	EA		1/2" Diameter Thread, 1-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	13.84	
05 15 16 00-0204	EA		5/8" Diameter Thread, 1-3/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	18.15	
05 15 16 00-0205	EA		3/4" Diameter Thread, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	21.09	
05 15 16 00-0206	EA		7/8" Diameter Thread, 1-11/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	27.66	
05 15 16 00-0207	EA		1" Diameter Thread, 1-13/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	35.77	
05 15 16 00-0208	EA		1-1/8" Diameter Thread, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	50.72	
05 15 16 00-0209	EA		1-1/4" Diameter Thread, 2-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	59.96	
05 15 16 00-0210	EA		1-1/2" Diameter Thread, 2-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	105.50	
05 15 16 00-0211	EA		1-3/4" Diameter Thread, 2-7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	120.67	
05 15 16 00-0212	EA		2" Diameter Thread, 3-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	148.34	
05 15 16 00-0213 Galvanized Steel, Drop Forged, Eye Bolts (05 15 16)					
05 15 16 00-0214	EA		1/4" Diameter Thread, 3" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	13.27	
05 15 16 00-0215	EA		1/4" Diameter Thread, 4" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	12.33	
05 15 16 00-0216	EA		5/16" Diameter Thread, 2-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	15.62	
05 15 16 00-0217	EA		5/16" Diameter Thread, 4-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	11.48	
05 15 16 00-0218	EA		3/8" Diameter Thread, 2-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	14.42	
05 15 16 00-0219	EA		3/8" Diameter Thread, 3" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	20.30	
05 15 16 00-0220	EA		3/8" Diameter Thread, 4" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	19.84	
05 15 16 00-0221	EA		3/8" Diameter Thread, 4-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	19.00	
05 15 16 00-0222	EA		3/8" Diameter Thread, 5" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	17.33	
05 15 16 00-0223	EA		3/8" Diameter Thread, 6" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	17.88	
05 15 16 00-0224	EA		1/2" Diameter Thread, 2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	16.32	
05 15 16 00-0225	EA		1/2" Diameter Thread, 3" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	13.72	
05 15 16 00-0226	EA		1/2" Diameter Thread, 3-1/4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	16.90	
05 15 16 00-0227	EA		1/2" Diameter Thread, 4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	21.99	
05 15 16 00-0228	EA		1/2" Diameter Thread, 4-1/2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	17.49	
05 15 16 00-0229	EA		1/2" Diameter Thread, 6" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	26.21	
05 15 16 00-0230	EA		1/2" Diameter Thread, 8" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	23.55	
05 15 16 00-0231	EA		1/2" Diameter Thread, 10" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	21.86	
05 15 16 00-0232	EA		1/2" Diameter Thread, 12" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	25.10	
05 15 16 00-0233	EA		5/8" Diameter Thread, 4" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	25.58	
05 15 16 00-0234	EA		5/8" Diameter Thread, 4-1/2" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	23.18	
05 15 16 00-0235	EA		5/8" Diameter Thread, 6" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	28.29	
05 15 16 00-0236	EA		5/8" Diameter Thread, 8" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	31.96	
05 15 16 00-0237	EA		5/8" Diameter Thread, 10" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	36.35	
05 15 16 00-0238	EA		5/8" Diameter Thread, 12" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	30.71	
05 15 16 00-0239	EA		3/4" Diameter Thread, 4-1/2" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	30.46	
05 15 16 00-0240	EA		3/4" Diameter Thread, 6" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	31.07	
05 15 16 00-0241	EA		3/4" Diameter Thread, 8" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	34.03	
05 15 16 00-0242	EA		3/4" Diameter Thread, 10" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	36.49	
05 15 16 00-0243	EA		3/4" Diameter Thread, 12" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	41.98	
05 15 16 00-0244	EA		1" Diameter Thread, 8" Shank Length, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	54.64	
05 15 19 Stainless Steel Wire Rope Assemblies (05 15)					
05 15 19 00-0001 7x7, 304 Stainless Steel, Aircraft Cable (05 15 19)					
05 15 19 00-0002	LF		1/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable..... <i>For >500, Deduct</i>	0.36 -0.05	0.06

05 Metals**05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 19 00-0003	LF		3/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.47	0.07
			<i>For >500, Deduct</i>	-0.07	
05 15 19 00-0004	LF		1/8" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.65	0.08
			<i>For >500, Deduct</i>	-0.10	
05 15 19 00-0005	LF		5/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.88	0.09
			<i>For >500, Deduct</i>	-0.15	
05 15 19 00-0006	LF		3/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	1.12	0.09
			<i>For >500, Deduct</i>	-0.19	
05 15 19 00-0007			7x19, 304 Stainless Steel, Aircraft Cable (05 15 19)		
05 15 19 00-0008	LF		1/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.76	0.08
			<i>For >500, Deduct</i>	-0.13	
05 15 19 00-0009	LF		5/32" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.89	0.09
			<i>For >500, Deduct</i>	-0.15	
05 15 19 00-0010	LF		3/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	1.05	0.09
			<i>For >500, Deduct</i>	-0.18	
05 15 19 00-0011	LF		1/4" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	1.43	0.09
			<i>For >500, Deduct</i>	-0.25	
05 15 19 00-0012	LF		5/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	2.16	0.09
			<i>For >500, Deduct</i>	-0.38	
05 15 19 00-0013	LF		3/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	3.25	0.18
			<i>For >500, Deduct</i>	-0.58	
05 15 19 00-0014			7x7, 316 Stainless Steel, Aircraft Cable (05 15 19)		
05 15 19 00-0015	LF		1/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.36	0.06
			<i>For >500, Deduct</i>	-0.05	
05 15 19 00-0016	LF		3/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.47	0.07
			<i>For >500, Deduct</i>	-0.07	
05 15 19 00-0017	LF		1/8" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.65	0.08
			<i>For >500, Deduct</i>	-0.10	
05 15 19 00-0018	LF		5/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.88	0.09
			<i>For >500, Deduct</i>	-0.15	
05 15 19 00-0019	LF		3/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	1.12	0.09
			<i>For >500, Deduct</i>	-0.19	
05 15 19 00-0020			7x19, 316 Stainless Steel, Aircraft Cable (05 15 19)		
05 15 19 00-0021	LF		1/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	0.76	0.08
			<i>For >500, Deduct</i>	-0.13	
05 15 19 00-0022	LF		5/32" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	0.89	0.09
			<i>For >500, Deduct</i>	-0.15	
05 15 19 00-0023	LF		3/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	1.05	0.09
			<i>For >500, Deduct</i>	-0.18	
05 15 19 00-0024	LF		1/4" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	1.43	0.09
			<i>For >500, Deduct</i>	-0.25	
05 15 19 00-0025	LF		5/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	2.16	0.09
			<i>For >500, Deduct</i>	-0.38	
05 15 19 00-0026	LF		3/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	3.25	0.09
			<i>For >500, Deduct</i>	-0.58	
05 20 Metal Joists (05)					
			Note: Includes all connecting bolts and welds.		
05 21 Steel Joist Framing (05 20)					
05 21 19 Open Web Steel Joist Framing (05 21)					
05 21 19 00-0001	TON		H, J Or K Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging.....	2,409.63	153.20
			<i>For Welded Cross Bridging, Add</i>	191.51	
			<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	212.55	
05 21 19 00-0002	TON		H, J Or K Open Web Joist, >30' To 50' Span, Steel, Horizontal Bridging.....	2,212.18	143.63
			<i>For Welded Cross Bridging, Add</i>	170.23	
			<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	197.37	
05 21 19 00-0003	TON		LJ Or LH Open Web Joist, Up To 96' Span, Steel, Bolted Cross Bridging.....	2,673.74	143.63
			<i>For Welded Cross Bridging, Add</i>	176.78	
			<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	250.14	
05 21 19 00-0004	TON		DLJ Or DLH Open Web Joist, Up To 144' Span, Steel, Bolted Cross Bridging.....	3,044.32	143.63
			<i>For Welded Cross Bridging, Add</i>	176.78	
			<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	294.61	
05 21 19 00-0005	TON		CS Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging	2,676.52	143.63
			<i>For Welded Cross Bridging, Add</i>	191.51	
			<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	244.58	
05 21 19 00-0006	TON		SLH Open Web Joist, Up To 200' Span, Steel, Bolted Cross Bridging	3,368.57	143.63
			<i>For Welded Cross Bridging, Add</i>	176.78	
			<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	333.52	

05 30 Metal Decking (05)

Note: Includes all connecting bolts and welds.



	Metals	05
	Metal Decking	05 30
	Steel Decking	05 31

05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 31 Steel Decking (05 30)

See CSI section 03 30 00 00-0000 for concrete where required, 07 22 16 00-0001 for roof insulation.

05 31 13 Steel Floor Decking (05 31)

Note: Floor or roof decking

05 31 13 00-0001 Open Ribbed Galvanized Steel Deck (05 31 13)

05 31 13 00-0002	SF 1" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck.....	2.47
	For Painted, Deduct	-0.07
	For Perforated Or Slotted, Add	0.07
	For Site Installed Insulation Between Ribs, Add	0.70
	For Up To 100, Add	1.16
	For >100 To 500, Add	0.55
	For >500 To 1,500, Add	0.25
05 31 13 00-0003	SF 1" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	2.85
	For Painted, Deduct	-0.08
	For Perforated Or Slotted, Add	0.08
	For Site Installed Insulation Between Ribs, Add	0.80
	For Up To 100, Add	1.36
	For >100 To 500, Add	0.64
	For >500 To 1,500, Add	0.30
05 31 13 00-0004	SF 1" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	3.54
	For Painted, Deduct	-0.11
	For Perforated Or Slotted, Add	0.11
	For Site Installed Insulation Between Ribs, Add	0.99
	For Up To 100, Add	1.65
	For >100 To 500, Add	0.79
	For >500 To 1,500, Add	0.36
05 31 13 00-0005	SF 1-1/2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck.....	2.75
	For Painted, Deduct	-0.08
	For Perforated Or Slotted, Add	0.08
	For Site Installed Insulation Between Ribs, Add	0.77
	For Up To 100, Add	1.31
	For >100 To 500, Add	0.62
	For >500 To 1,500, Add	0.29
05 31 13 00-0006	SF 1-1/2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	3.15
	For Painted, Deduct	-0.09
	For Perforated Or Slotted, Add	0.09
	For Site Installed Insulation Between Ribs, Add	0.89
	For Up To 100, Add	1.49
	For >100 To 500, Add	0.71
	For >500 To 1,500, Add	0.33
05 31 13 00-0007	SF 1-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	3.92
	For Painted, Deduct	-0.12
	For Perforated Or Slotted, Add	0.12
	For Site Installed Insulation Between Ribs, Add	1.10
	For Up To 100, Add	1.83
	For >100 To 500, Add	0.87
	For >500 To 1,500, Add	0.40
05 31 13 00-0008	SF 3" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck.....	3.35
	For Painted, Deduct	-0.10
	For Perforated Or Slotted, Add	0.10
	For Site Installed Insulation Between Ribs, Add	0.93
	For Up To 100, Add	1.48
	For >100 To 500, Add	0.72
	For >500 To 1,500, Add	0.32
05 31 13 00-0009	SF 3" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	3.88
	For Painted, Deduct	-0.12
	For Perforated Or Slotted, Add	0.12
	For Site Installed Insulation Between Ribs, Add	1.08
	For Up To 100, Add	1.68
	For >100 To 500, Add	0.82
	For >500 To 1,500, Add	0.36
05 31 13 00-0010	SF 3" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	4.83
	For Painted, Deduct	-0.15
	For Perforated Or Slotted, Add	0.15
	For Site Installed Insulation Between Ribs, Add	1.34
	For Up To 100, Add	2.09
	For >100 To 500, Add	1.02
	For >500 To 1,500, Add	0.45
05 31 13 00-0011	SF 3" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	6.03
	For Painted, Deduct	-0.19
	For Perforated Or Slotted, Add	0.19
	For Site Installed Insulation Between Ribs, Add	1.67
	For Up To 100, Add	2.55
	For >100 To 500, Add	1.25
	For >500 To 1,500, Add	0.54
05 31 13 00-0012	SF 4-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	8.09
	For Painted, Deduct	-0.31
	For Perforated Or Slotted, Add	0.31
	For Site Installed Insulation Between Ribs, Add	2.17
	For Up To 100, Add	2.56
	For >100 To 500, Add	1.39
	For >500 To 1,500, Add	0.49



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0013	SF		4-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	10.17	
			<i>For Painted, Deduct</i>	-0.39	
			<i>For Perforated Or Slotted, Add</i>	0.39	
			<i>For Site Installed Insulation Between Ribs, Add</i>	2.72	
			<i>For Up To 100, Add</i>	3.14	
			<i>For >100 To 500, Add</i>	1.73	
			<i>For >500 To 1,500, Add</i>	0.59	
05 31 13 00-0014	SF		6" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	8.94	
			<i>For Painted, Deduct</i>	-0.36	
			<i>For Perforated Or Slotted, Add</i>	0.36	
			<i>For Site Installed Insulation Between Ribs, Add</i>	2.37	
			<i>For Up To 100, Add</i>	2.45	
			<i>For >100 To 500, Add</i>	1.41	
			<i>For >500 To 1,500, Add</i>	0.43	
05 31 13 00-0015	SF		6" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	9.62	
			<i>For Painted, Deduct</i>	-0.37	
			<i>For Perforated Or Slotted, Add</i>	0.37	
			<i>For Site Installed Insulation Between Ribs, Add</i>	2.57	
			<i>For Up To 100, Add</i>	2.91	
			<i>For >100 To 500, Add</i>	1.61	
			<i>For >500 To 1,500, Add</i>	0.54	
05 31 13 00-0016	SF		6" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	11.96	
			<i>For Painted, Deduct</i>	-0.47	
			<i>For Perforated Or Slotted, Add</i>	0.47	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.19	
			<i>For Up To 100, Add</i>	3.55	
			<i>For >100 To 500, Add</i>	1.98	
			<i>For >500 To 1,500, Add</i>	0.66	
05 31 13 00-0017	SF		7-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	10.61	
			<i>For Painted, Deduct</i>	-0.41	
			<i>For Perforated Or Slotted, Add</i>	0.41	
			<i>For Site Installed Insulation Between Ribs, Add</i>	2.83	
			<i>For Up To 100, Add</i>	3.19	
			<i>For >100 To 500, Add</i>	1.77	
			<i>For >500 To 1,500, Add</i>	0.59	
05 31 13 00-0018	SF		7-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	13.18	
			<i>For Painted, Deduct</i>	-0.52	
			<i>For Perforated Or Slotted, Add</i>	0.52	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.51	
			<i>For Up To 100, Add</i>	3.91	
			<i>For >100 To 500, Add</i>	2.18	
			<i>For >500 To 1,500, Add</i>	0.72	
05 31 13 00-0019			Cellular Galvanized Steel Deck <small>(05 31 13)</small>		
			Note: Cellular decking is made of a top ribbed sheet and a flat bottom sheet welded together to create hollow longitudinal cells within the panels.		
05 31 13 00-0020	SF		1" Deep, 22/18 Gauge Cellular Galvanized Steel Deck.....	7.18	
			<i>For Painted, Deduct</i>	-0.27	
			<i>For Perforated Or Slotted, Add</i>	0.27	
			<i>For Insulated Cells, Add</i>	1.21	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.93	
			<i>For Up To 100, Add</i>	2.36	
			<i>For >100 To 500, Add</i>	1.26	
			<i>For >500 To 1,500, Add</i>	0.46	
05 31 13 00-0021	SF		1" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	8.09	
			<i>For Painted, Deduct</i>	-0.28	
			<i>For Perforated Or Slotted, Add</i>	0.28	
			<i>For Insulated Cells, Add</i>	1.28	
			<i>For Site Installed Insulation Between Ribs, Add</i>	2.21	
			<i>For Up To 100, Add</i>	2.98	
			<i>For >100 To 500, Add</i>	1.53	
			<i>For >500 To 1,500, Add</i>	0.60	
05 31 13 00-0022	SF		1-1/2" Deep, 22/18 Gauge Cellular Galvanized Steel Deck.....	8.61	
			<i>For Painted, Deduct</i>	-0.34	
			<i>For Perforated Or Slotted, Add</i>	0.34	
			<i>For Insulated Cells, Add</i>	1.51	
			<i>For Site Installed Insulation Between Ribs, Add</i>	2.30	
			<i>For Up To 100, Add</i>	2.58	
			<i>For >100 To 500, Add</i>	1.43	
			<i>For >500 To 1,500, Add</i>	0.48	
05 31 13 00-0023	SF		1-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	9.62	
			<i>For Painted, Deduct</i>	-0.35	
			<i>For Perforated Or Slotted, Add</i>	0.35	
			<i>For Insulated Cells, Add</i>	1.59	
			<i>For Site Installed Insulation Between Ribs, Add</i>	2.60	
			<i>For Up To 100, Add</i>	3.25	
			<i>For >100 To 500, Add</i>	1.72	
			<i>For >500 To 1,500, Add</i>	0.64	
05 31 13 00-0024	SF		3" Deep, 20/18 Gauge Cellular Galvanized Steel Deck.....	9.95	
			<i>For Painted, Deduct</i>	-0.38	
			<i>For Perforated Or Slotted, Add</i>	0.38	
			<i>For Insulated Cells, Add</i>	1.72	
			<i>For Site Installed Insulation Between Ribs, Add</i>	2.66	
			<i>For Up To 100, Add</i>	3.08	
			<i>For >100 To 500, Add</i>	1.69	
			<i>For >500 To 1,500, Add</i>	0.58	



	Metals	05
	Metal Decking	05 30
	Steel Decking	05 31

05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0025 SF 3" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	11.81	
For Painted, Deduct	-0.46	
For Perforated Or Slotted, Add	0.46	
For Insulated Cells, Add	2.06	
For Site Installed Insulation Between Ribs, Add	3.15	
For Up To 100, Add	3.58	
For >100 To 500, Add	1.98	
For >500 To 1,500, Add	0.67	
05 31 13 00-0026 SF 3" Deep, 18/16 Gauge Cellular Galvanized Steel Deck.....	13.18	
For Painted, Deduct	-0.52	
For Perforated Or Slotted, Add	0.52	
For Insulated Cells, Add	2.32	
For Site Installed Insulation Between Ribs, Add	3.51	
For Up To 100, Add	3.91	
For >100 To 500, Add	2.18	
For >500 To 1,500, Add	0.72	
05 31 13 00-0027 SF 3" Deep, 16/16 Gauge Cellular Galvanized Steel Deck.....	14.40	
For Painted, Deduct	-0.56	
For Perforated Or Slotted, Add	0.56	
For Insulated Cells, Add	2.51	
For Site Installed Insulation Between Ribs, Add	3.84	
For Up To 100, Add	4.37	
For >100 To 500, Add	2.42	
For >500 To 1,500, Add	0.82	
05 31 13 00-0028 SF 4-1/2" Deep, 20/18 Gauge Cellular Galvanized Steel Deck.....	14.55	
For Painted, Deduct	-0.61	
For Perforated Or Slotted, Add	0.61	
For Insulated Cells, Add	2.76	
For Site Installed Insulation Between Ribs, Add	3.81	
For Up To 100, Add	3.51	
For >100 To 500, Add	2.14	
For >500 To 1,500, Add	0.57	
05 31 13 00-0029 SF 4-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	15.67	
For Painted, Deduct	-0.65	
For Perforated Or Slotted, Add	0.65	
For Insulated Cells, Add	2.92	
For Site Installed Insulation Between Ribs, Add	4.12	
For Up To 100, Add	4.01	
For >100 To 500, Add	2.38	
For >500 To 1,500, Add	0.68	
05 31 13 00-0030 SF 4-1/2" Deep, 18/16 Gauge Cellular Galvanized Steel Deck.....	16.60	
For Painted, Deduct	-0.68	
For Perforated Or Slotted, Add	0.68	
For Insulated Cells, Add	3.08	
For Site Installed Insulation Between Ribs, Add	4.37	
For Up To 100, Add	4.29	
For >100 To 500, Add	2.54	
For >500 To 1,500, Add	0.73	
05 31 13 00-0031 SF 4-1/2" Deep, 16/16 Gauge Cellular Galvanized Steel Deck.....	17.73	
For Painted, Deduct	-0.73	
For Perforated Or Slotted, Add	0.73	
For Insulated Cells, Add	3.28	
For Site Installed Insulation Between Ribs, Add	4.67	
For Up To 100, Add	4.60	
For >100 To 500, Add	2.72	
For >500 To 1,500, Add	0.79	

05 31 23 Steel Roof Decking (05 31)
See CSI section 05 31 13 00-0000 for Steel floor or roof decking.

05 31 33 Steel Form Decking (05 31)

05 31 33 00-0001 Open Ribbed Galvanized Steel Form Deck (05 31 33)

05 31 33 00-0002 SF 9/16" Deep, 28 Gauge Open Ribbed Galvanized Steel Form Deck.....	1.87	
For Painted, Deduct	-0.06	
For Perforated Or Slotted, Add	0.06	
For Up To 100, Add	0.87	
For >100 To 500, Add	0.42	
For >500 To 1,500, Add	0.19	
05 31 33 00-0003 SF 9/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	1.98	
For Painted, Deduct	-0.06	
For Perforated Or Slotted, Add	0.06	
For Up To 100, Add	0.92	
For >100 To 500, Add	0.44	
For >500 To 1,500, Add	0.20	
05 31 33 00-0004 SF 9/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.21	
For Painted, Deduct	-0.06	
For Perforated Or Slotted, Add	0.06	
For Up To 100, Add	1.06	
For >100 To 500, Add	0.50	
For >500 To 1,500, Add	0.23	

05	Metals
05 30	Metal Decking
05 31	Steel Decking



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 33 00-0005	SF		9/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.41	
			<i>For Painted, Deduct</i>	-0.07	
			<i>For Perforated Or Slotted, Add</i>	0.07	
			<i>For Up To 100, Add</i>	1.20	
			<i>For >100 To 500, Add</i>	0.56	
			<i>For >500 To 1,500, Add</i>	0.27	
05 31 33 00-0006	SF		15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.21	
			<i>For Painted, Deduct</i>	-0.07	
			<i>For Perforated Or Slotted, Add</i>	0.07	
			<i>For Up To 100, Add</i>	0.94	
			<i>For >100 To 500, Add</i>	0.46	
			<i>For >500 To 1,500, Add</i>	0.20	
05 31 33 00-0007	SF		15/16" Deep, 25 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.32	
			<i>For Painted, Deduct</i>	-0.07	
			<i>For Perforated Or Slotted, Add</i>	0.07	
			<i>For Up To 100, Add</i>	0.99	
			<i>For >100 To 500, Add</i>	0.48	
			<i>For >500 To 1,500, Add</i>	0.21	
05 31 33 00-0008	SF		15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.46	
			<i>For Painted, Deduct</i>	-0.08	
			<i>For Perforated Or Slotted, Add</i>	0.08	
			<i>For Up To 100, Add</i>	1.08	
			<i>For >100 To 500, Add</i>	0.53	
			<i>For >500 To 1,500, Add</i>	0.23	
05 31 33 00-0009	SF		15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.65	
			<i>For Painted, Deduct</i>	-0.08	
			<i>For Perforated Or Slotted, Add</i>	0.08	
			<i>For Up To 100, Add</i>	1.22	
			<i>For >100 To 500, Add</i>	0.58	
			<i>For >500 To 1,500, Add</i>	0.27	
05 31 33 00-0010	SF		1-15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.79	
			<i>For Painted, Deduct</i>	-0.08	
			<i>For Perforated Or Slotted, Add</i>	0.08	
			<i>For Up To 100, Add</i>	1.27	
			<i>For >100 To 500, Add</i>	0.61	
			<i>For >500 To 1,500, Add</i>	0.28	
05 31 33 00-0011	SF		1-15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.03	
			<i>For Painted, Deduct</i>	-0.09	
			<i>For Perforated Or Slotted, Add</i>	0.09	
			<i>For Up To 100, Add</i>	1.34	
			<i>For >100 To 500, Add</i>	0.65	
			<i>For >500 To 1,500, Add</i>	0.29	
05 31 33 00-0012	SF		1-15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.45	
			<i>For Painted, Deduct</i>	-0.11	
			<i>For Perforated Or Slotted, Add</i>	0.11	
			<i>For Up To 100, Add</i>	1.45	
			<i>For >100 To 500, Add</i>	0.71	
			<i>For >500 To 1,500, Add</i>	0.31	
05 31 33 00-0013	SF		1-15/16" Deep, 20 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.83	
			<i>For Painted, Deduct</i>	-0.12	
			<i>For Perforated Or Slotted, Add</i>	0.12	
			<i>For Up To 100, Add</i>	1.64	
			<i>For >100 To 500, Add</i>	0.80	
			<i>For >500 To 1,500, Add</i>	0.35	

05 36 Composite Metal Decking (05 30)

See CSI section 03 30 00 00-0000 for concrete.

05 36 00 00-0001 Composite Open Ribbed Galvanized Steel Deck (05 36)

Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab.

05 36 00 00-0002	SF		1-1/2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	2.81	
			<i>For Painted, Deduct</i>	-0.09	
			<i>For Perforated Or Slotted, Add</i>	0.09	
			<i>For Up To 100, Add</i>	1.27	
			<i>For >100 To 500, Add</i>	0.61	
			<i>For >500 To 1,500, Add</i>	0.28	
05 36 00 00-0003	SF		1-1/2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	3.02	
			<i>For Painted, Deduct</i>	-0.09	
			<i>For Perforated Or Slotted, Add</i>	0.09	
			<i>For Up To 100, Add</i>	1.41	
			<i>For >100 To 500, Add</i>	0.67	
			<i>For >500 To 1,500, Add</i>	0.31	
05 36 00 00-0004	SF		1-1/2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	3.42	
			<i>For Painted, Deduct</i>	-0.10	
			<i>For Perforated Or Slotted, Add</i>	0.10	
			<i>For Up To 100, Add</i>	1.71	
			<i>For >100 To 500, Add</i>	0.80	
			<i>For >500 To 1,500, Add</i>	0.38	
05 36 00 00-0005	SF		1-1/2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	3.78	
			<i>For Painted, Deduct</i>	-0.10	
			<i>For Perforated Or Slotted, Add</i>	0.10	
			<i>For Up To 100, Add</i>	2.02	
			<i>For >100 To 500, Add</i>	0.92	
			<i>For >500 To 1,500, Add</i>	0.46	



Metals	05	05
Metal Decking	05 30	
Composite Metal Decking	05 36	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0006 SF 2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	3.02	
For Painted, Deduct	-0.09	
For Perforated Or Slotted, Add	0.09	
For Up To 100, Add	1.41	
For >100 To 500, Add	0.67	
For >500 To 1,500, Add	0.31	
05 36 00 00-0007 SF 2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	3.27	
For Painted, Deduct	-0.10	
For Perforated Or Slotted, Add	0.10	
For Up To 100, Add	1.54	
For >100 To 500, Add	0.73	
For >500 To 1,500, Add	0.34	
05 36 00 00-0008 SF 2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	3.67	
For Painted, Deduct	-0.10	
For Perforated Or Slotted, Add	0.10	
For Up To 100, Add	1.85	
For >100 To 500, Add	0.86	
For >500 To 1,500, Add	0.41	
05 36 00 00-0009 SF 2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.05	
For Painted, Deduct	-0.11	
For Perforated Or Slotted, Add	0.11	
For Up To 100, Add	2.16	
For >100 To 500, Add	0.99	
For >500 To 1,500, Add	0.49	
05 36 00 00-0010 SF 3" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	3.17	
For Painted, Deduct	-0.10	
For Perforated Or Slotted, Add	0.10	
For Up To 100, Add	1.46	
For >100 To 500, Add	0.70	
For >500 To 1,500, Add	0.32	
05 36 00 00-0011 SF 3" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	3.42	
For Painted, Deduct	-0.10	
For Perforated Or Slotted, Add	0.10	
For Up To 100, Add	1.64	
For >100 To 500, Add	0.77	
For >500 To 1,500, Add	0.36	
05 36 00 00-0012 SF 3" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	3.88	
For Painted, Deduct	-0.11	
For Perforated Or Slotted, Add	0.11	
For Up To 100, Add	1.99	
For >100 To 500, Add	0.92	
For >500 To 1,500, Add	0.45	
05 36 00 00-0013 SF 3" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.36	
For Painted, Deduct	-0.11	
For Perforated Or Slotted, Add	0.11	
For Up To 100, Add	2.34	
For >100 To 500, Add	1.07	
For >500 To 1,500, Add	0.53	
 05 36 00 00-0014 Composite Cellular Galvanized Steel Deck <small>(05 36)</small>		
Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab. Cellular decking is made of a top ribbed sheet and a bottom flat sheet welded together to create hollow longitudinal cells within the panels.		
05 36 00 00-0015 SF 1-1/2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	5.15	
For Painted, Deduct	-0.16	
For Perforated Or Slotted, Add	0.16	
For Insulated Cells, Add	0.71	
For Up To 100, Add	2.31	
For >100 To 500, Add	1.11	
For >500 To 1,500, Add	0.50	
05 36 00 00-0016 SF 1-1/2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	5.52	
For Painted, Deduct	-0.17	
For Perforated Or Slotted, Add	0.17	
For Insulated Cells, Add	0.75	
For Up To 100, Add	2.53	
For >100 To 500, Add	1.21	
For >500 To 1,500, Add	0.55	
05 36 00 00-0017 SF 1-1/2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	5.60	
For Painted, Deduct	-0.17	
For Perforated Or Slotted, Add	0.17	
For Insulated Cells, Add	0.75	
For Up To 100, Add	2.61	
For >100 To 500, Add	1.24	
For >500 To 1,500, Add	0.57	
05 36 00 00-0018 SF 1-1/2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	5.98	
For Painted, Deduct	-0.17	
For Perforated Or Slotted, Add	0.17	
For Insulated Cells, Add	0.77	
For Up To 100, Add	2.88	
For >100 To 500, Add	1.36	
For >500 To 1,500, Add	0.64	

05 Metals

05 30 Metal Decking

05 36 Composite Metal Decking



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0019	SF		1-1/2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	6.42	
			<i>For Painted, Deduct</i>	-0.18	
			<i>For Perforated Or Slotted, Add</i>	0.18	
			<i>For Insulated Cells, Add</i>	0.83	
			<i>For Up To 100, Add</i>	3.12	
			<i>For >100 To 500, Add</i>	1.47	
			<i>For >500 To 1,500, Add</i>	0.69	
05 36 00 00-0020	SF		1-1/2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	6.50	
			<i>For Painted, Deduct</i>	-0.18	
			<i>For Perforated Or Slotted, Add</i>	0.18	
			<i>For Insulated Cells, Add</i>	0.83	
			<i>For Up To 100, Add</i>	3.20	
			<i>For >100 To 500, Add</i>	1.50	
			<i>For >500 To 1,500, Add</i>	0.71	
05 36 00 00-0021	SF		1-1/2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	6.87	
			<i>For Painted, Deduct</i>	-0.19	
			<i>For Perforated Or Slotted, Add</i>	0.19	
			<i>For Insulated Cells, Add</i>	0.85	
			<i>For Up To 100, Add</i>	3.46	
			<i>For >100 To 500, Add</i>	1.61	
			<i>For >500 To 1,500, Add</i>	0.77	
05 36 00 00-0022	SF		2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	5.33	
			<i>For Painted, Deduct</i>	-0.16	
			<i>For Perforated Or Slotted, Add</i>	0.16	
			<i>For Insulated Cells, Add</i>	0.72	
			<i>For Up To 100, Add</i>	2.43	
			<i>For >100 To 500, Add</i>	1.17	
			<i>For >500 To 1,500, Add</i>	0.53	
05 36 00 00-0023	SF		2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	5.64	
			<i>For Painted, Deduct</i>	-0.17	
			<i>For Perforated Or Slotted, Add</i>	0.17	
			<i>For Insulated Cells, Add</i>	0.76	
			<i>For Up To 100, Add</i>	2.62	
			<i>For >100 To 500, Add</i>	1.25	
			<i>For >500 To 1,500, Add</i>	0.57	
05 36 00 00-0024	SF		2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	5.72	
			<i>For Painted, Deduct</i>	-0.17	
			<i>For Perforated Or Slotted, Add</i>	0.17	
			<i>For Insulated Cells, Add</i>	0.76	
			<i>For Up To 100, Add</i>	2.70	
			<i>For >100 To 500, Add</i>	1.28	
			<i>For >500 To 1,500, Add</i>	0.59	
05 36 00 00-0025	SF		2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	6.17	
			<i>For Painted, Deduct</i>	-0.18	
			<i>For Perforated Or Slotted, Add</i>	0.18	
			<i>For Insulated Cells, Add</i>	0.80	
			<i>For Up To 100, Add</i>	2.98	
			<i>For >100 To 500, Add</i>	1.40	
			<i>For >500 To 1,500, Add</i>	0.66	
05 36 00 00-0026	SF		2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	6.54	
			<i>For Painted, Deduct</i>	-0.19	
			<i>For Perforated Or Slotted, Add</i>	0.19	
			<i>For Insulated Cells, Add</i>	0.83	
			<i>For Up To 100, Add</i>	3.20	
			<i>For >100 To 500, Add</i>	1.50	
			<i>For >500 To 1,500, Add</i>	0.71	
05 36 00 00-0027	SF		2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	6.67	
			<i>For Painted, Deduct</i>	-0.19	
			<i>For Perforated Or Slotted, Add</i>	0.19	
			<i>For Insulated Cells, Add</i>	0.83	
			<i>For Up To 100, Add</i>	3.33	
			<i>For >100 To 500, Add</i>	1.56	
			<i>For >500 To 1,500, Add</i>	0.74	
05 36 00 00-0028	SF		2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	7.06	
			<i>For Painted, Deduct</i>	-0.19	
			<i>For Perforated Or Slotted, Add</i>	0.19	
			<i>For Insulated Cells, Add</i>	0.87	
			<i>For Up To 100, Add</i>	3.57	
			<i>For >100 To 500, Add</i>	1.66	
			<i>For >500 To 1,500, Add</i>	0.80	
05 36 00 00-0029	SF		3" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	5.35	
			<i>For Painted, Deduct</i>	-0.16	
			<i>For Perforated Or Slotted, Add</i>	0.16	
			<i>For Insulated Cells, Add</i>	0.73	
			<i>For Up To 100, Add</i>	2.43	
			<i>For >100 To 500, Add</i>	1.17	
			<i>For >500 To 1,500, Add</i>	0.53	
05 36 00 00-0030	SF		3" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	5.68	
			<i>For Painted, Deduct</i>	-0.17	
			<i>For Perforated Or Slotted, Add</i>	0.17	
			<i>For Insulated Cells, Add</i>	0.76	
			<i>For Up To 100, Add</i>	2.66	
			<i>For >100 To 500, Add</i>	1.26	
			<i>For >500 To 1,500, Add</i>	0.58	



	Metals	05
	Metal Decking	05 30
	Composite Metal Decking	05 36

05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0031	SF		3" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	5.82	
			<i>For Painted, Deduct</i>	-0.17	
			<i>For Perforated Or Slotted, Add</i>	0.17	
			<i>For Insulated Cells, Add</i>	0.76	
			<i>For Up To 100, Add</i>	2.80	
			<i>For >100 To 500, Add</i>	1.32	
			<i>For >500 To 1,500, Add</i>	0.62	
05 36 00 00-0032	SF		3" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	6.24	
			<i>For Painted, Deduct</i>	-0.18	
			<i>For Perforated Or Slotted, Add</i>	0.18	
			<i>For Insulated Cells, Add</i>	0.80	
			<i>For Up To 100, Add</i>	3.03	
			<i>For >100 To 500, Add</i>	1.43	
			<i>For >500 To 1,500, Add</i>	0.67	
05 36 00 00-0033	SF		3" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	6.65	
			<i>For Painted, Deduct</i>	-0.19	
			<i>For Perforated Or Slotted, Add</i>	0.19	
			<i>For Insulated Cells, Add</i>	0.85	
			<i>For Up To 100, Add</i>	3.26	
			<i>For >100 To 500, Add</i>	1.53	
			<i>For >500 To 1,500, Add</i>	0.72	
05 36 00 00-0034	SF		3" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	6.81	
			<i>For Painted, Deduct</i>	-0.19	
			<i>For Perforated Or Slotted, Add</i>	0.19	
			<i>For Insulated Cells, Add</i>	0.85	
			<i>For Up To 100, Add</i>	3.42	
			<i>For >100 To 500, Add</i>	1.59	
			<i>For >500 To 1,500, Add</i>	0.76	
05 36 00 00-0035	SF		3" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	7.14	
			<i>For Painted, Deduct</i>	-0.19	
			<i>For Perforated Or Slotted, Add</i>	0.19	
			<i>For Insulated Cells, Add</i>	0.87	
			<i>For Up To 100, Add</i>	3.65	
			<i>For >100 To 500, Add</i>	1.69	
			<i>For >500 To 1,500, Add</i>	0.82	

05 36 00 00-0036 Non-Cellular, Composite Deck, Galvanized (05 36)

05 36 00 00-0037	SF		1" Deep x 16 Gauge Composite Metal Deck Galvanized, Non Cellular.....	3.75	
05 36 00 00-0038	SF		1" Deep x 18 Gauge Composite Metal Deck Galvanized, Non Cellular.....	3.11	
05 36 00 00-0039	SF		1" Deep x 20 Gauge Composite Metal Deck Galvanized, Non Cellular.....	2.61	
05 36 00 00-0040	SF		1" Deep x 22 Gauge Composite Metal Deck Galvanized, Non Cellular.....	2.28	
05 36 00 00-0041	SF		1-1/2" Deep x 16 Gauge Composite Metal Deck Galvanized, Non Cellular.....	4.12	
05 36 00 00-0042	SF		1-1/2" Deep x 18 Gauge Composite Metal Deck Galvanized, Non Cellular.....	3.38	
05 36 00 00-0043	SF		1-1/2" Deep x 20 Gauge Composite Metal Deck Galvanized, Non Cellular.....	2.84	
05 36 00 00-0044	SF		1-1/2" Deep x 22 Gauge Composite Metal Deck Galvanized, Non Cellular.....	2.47	
05 36 00 00-0045	SF		3" Deep x 16 Gauge Composite Metal Deck Galvanized, Non Cellular.....	4.78	
05 36 00 00-0046	SF		3" Deep x 18 Gauge Composite Metal Deck Galvanized, Non Cellular.....	3.87	
05 36 00 00-0047	SF		3" Deep x 20 Gauge Composite Metal Deck Galvanized, Non Cellular.....	3.27	
05 36 00 00-0048	SF		3" Deep x 22 Gauge Composite Metal Deck Galvanized, Non Cellular.....	2.97	

05 40 Cold-Formed Metal Framing (05)

Note: Includes all connecting bolts and welds.

05 41 Structural Metal Stud Framing (05 40)

Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.

05 41 00 00-0001 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners (05 41)

05 41 00 00-0002	SF		2-1/2" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	3.52	0.78
			<i>For Walls >10' High, Add</i>	0.70	
			<i>For Curved Wall, Add</i>	0.55	
			<i>For Up To 200, Add</i>	1.07	
			<i>For >200 To 500, Add</i>	0.54	
			<i>For 12" On Center, Add</i>	0.61	
			<i>For 24" On Center, Deduct</i>	-0.61	
05 41 00 00-0003	SF		3-5/8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	3.91	0.78
			<i>For Walls >10' High, Add</i>	0.78	
			<i>For Curved Wall, Add</i>	0.58	
			<i>For Up To 200, Add</i>	1.17	
			<i>For >200 To 500, Add</i>	0.58	
			<i>For 12" On Center, Add</i>	0.69	
			<i>For 24" On Center, Deduct</i>	-0.69	
05 41 00 00-0004	SF		4" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	4.08	0.78
			<i>For Walls >10' High, Add</i>	0.82	
			<i>For Curved Wall, Add</i>	0.60	
			<i>For Up To 200, Add</i>	1.22	
			<i>For >200 To 500, Add</i>	0.61	
			<i>For 12" On Center, Add</i>	0.72	
			<i>For 24" On Center, Deduct</i>	-0.72	

05 Metals**05 40 Cold-Formed Metal Framing****05 41 Structural Metal Stud Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 41 00 00-0005 SF 6" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	5.07	0.87
For Walls >10' High, Add	1.01	
For Curved Wall, Add	0.63	
For Up To 200, Add	1.43	
For >200 To 500, Add	0.72	
For 12" On Center, Add	0.91	
For 24" On Center, Deduct	-0.91	
05 41 00 00-0006 SF 8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	5.63	0.96
For Walls >10' High, Add	1.13	
For Curved Wall, Add	0.65	
For Up To 200, Add	1.56	
For >200 To 500, Add	0.78	
For 12" On Center, Add	1.02	
For 24" On Center, Deduct	-1.02	
05 41 00 00-0007 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners^(05 41)		
05 41 00 00-0008 SF 2-1/2" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	3.78	0.78
For Walls >10' High, Add	0.76	
For Curved Wall, Add	0.58	
For Up To 200, Add	1.14	
For >200 To 500, Add	0.57	
For 12" On Center, Add	0.66	
For 24" On Center, Deduct	-0.66	
05 41 00 00-0009 SF 3-5/8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	4.32	0.79
For Walls >10' High, Add	0.86	
For Curved Wall, Add	0.61	
For Up To 200, Add	1.27	
For >200 To 500, Add	0.64	
For 12" On Center, Add	0.76	
For 24" On Center, Deduct	-0.76	
05 41 00 00-0010 SF 4" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	4.55	0.79
For Walls >10' High, Add	0.91	
For Curved Wall, Add	0.63	
For Up To 200, Add	1.33	
For >200 To 500, Add	0.67	
For 12" On Center, Add	0.81	
For 24" On Center, Deduct	-0.81	
05 41 00 00-0011 SF 6" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	5.65	0.96
For Walls >10' High, Add	1.13	
For Curved Wall, Add	0.66	
For Up To 200, Add	1.57	
For >200 To 500, Add	0.79	
For 12" On Center, Add	1.02	
For 24" On Center, Deduct	-1.02	
05 41 00 00-0012 SF 8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	6.19	1.04
For Walls >10' High, Add	1.24	
For Curved Wall, Add	0.69	
For Up To 200, Add	1.70	
For >200 To 500, Add	0.85	
For 12" On Center, Add	1.12	
For 24" On Center, Deduct	-1.12	
05 41 00 00-0013 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners^(05 41)		
05 41 00 00-0014 SF 3-5/8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	5.13	1.09
For Walls >10' High, Add	1.03	
For Curved Wall, Add	0.73	
For Up To 200, Add	1.51	
For >200 To 500, Add	0.76	
For 12" On Center, Add	0.91	
For 24" On Center, Deduct	-0.91	
05 41 00 00-0015 SF 4" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	5.27	1.11
For Walls >10' High, Add	1.05	
For Curved Wall, Add	0.74	
For Up To 200, Add	1.55	
For >200 To 500, Add	0.77	
For 12" On Center, Add	0.93	
For 24" On Center, Deduct	-0.93	
05 41 00 00-0016 SF 6" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	6.50	1.17
For Walls >10' High, Add	1.30	
For Curved Wall, Add	0.78	
For Up To 200, Add	1.82	
For >200 To 500, Add	0.91	
For 12" On Center, Add	1.17	
For 24" On Center, Deduct	-1.17	
05 41 00 00-0017 SF 8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	7.10	1.23
For Walls >10' High, Add	1.42	
For Curved Wall, Add	0.81	
For Up To 200, Add	1.96	
For >200 To 500, Add	0.98	
For 12" On Center, Add	1.28	
For 24" On Center, Deduct	-1.28	



Metals	05	05
Cold-Formed Metal Framing	05 40	
Structural Metal Stud Framing	05 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 42 Cold-Formed Metal Joist Framing (05 40)

05 42 13 Cold-Formed Metal Floor Joist Framing (05 42)

Note: Floor or roof joist framing

05 42 13 00-0001	Steel Joists, 20 Gauge (05 42 13)		
05 42 13 00-0002	LF 5-1/2" - 20 Gauge Steel Joists	7.17	1.88
05 42 13 00-0003	LF 6" - 20 Gauge Steel Joists	7.91	2.36
05 42 13 00-0004	LF 7-1/4" - 20 Gauge Steel Joists	8.56	2.58
05 42 13 00-0005	LF 8" - 20 Gauge Steel Joists	9.56	2.75
05 42 13 00-0006	Steel Joists, 18 Gauge (05 42 13)		
05 42 13 00-0007	LF 5-1/2" - 18 Gauge Steel Joists	7.97	2.09
05 42 13 00-0008	LF 6" - 18 Gauge Steel Joists	8.83	2.62
05 42 13 00-0009	LF 7-1/4" - 18 Gauge Steel Joists	9.58	2.87
05 42 13 00-0010	LF 8" - 18 Gauge Steel Joists	9.89	3.05
05 42 13 00-0011	Steel Joists, 16 Gauge (05 42 13)		
05 42 13 00-0012	LF 7-1/4" - 16 Gauge Steel Joists	10.30	2.89
05 42 13 00-0013	LF 8" - 16 Gauge Steel Joists	10.87	3.05
05 42 13 00-0014	Steel Joists, 14 Gauge (05 42 13)		
05 42 13 00-0015	LF 9-1/4" - 14 Gauge Steel Joists	12.15	3.05
05 42 13 00-0016	LF 11-1/2" - 14 Gauge Steel Joists	13.17	3.22
05 42 13 00-0017	Steel Joists, 12 Gauge (05 42 13)		
05 42 13 00-0018	LF 9-1/4" - 12 Gauge Steel Joists	14.38	3.36
05 42 13 00-0019	LF 11-1/2" - 12 Gauge Steel Joists	15.68	3.55
05 42 13 00-0020	Steel Joists, 10 Gauge (05 42 13)		
05 42 13 00-0021	LF 9-1/4" - 10 Gauge Steel Joists	16.65	3.70
05 42 13 00-0022	LF 11-1/2" - 10 Gauge Steel Joists	18.25	3.89
05 42 13 00-0023	Steel Joists, 8 Gauge (05 42 13)		
05 42 13 00-0024	LF 9-1/4" - 8 Gauge Steel Joists	18.97	4.07
05 42 13 00-0025	LF 11-1/2" - 8 Gauge Steel Joists	20.84	4.28

05 42 23 Cold-Formed Metal Roof Joist Framing (05 42)

See CSI section 05 42 13 00-0000 for metal joist framing.

05 43 Slotted Channel Framing (05 40)

05 43 00 00-0001 Unistrut Channel (05 43)

Note: Excludes fasteners and accessories.

05 43 00 00-0002	Steel Unistrut Channel (05 43 00 00-0001)		
05 43 00 00-0003	LF 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	8.75	2.03
	For Galvanizing, Add	0.80	
	For Powder Coating, Add	0.70	
05 43 00 00-0004	LF 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	8.98	2.03
	For Galvanizing, Add	0.84	
	For Powder Coating, Add	0.74	
05 43 00 00-0005	LF 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	9.32	2.03
	For Galvanizing, Add	0.89	
	For Powder Coating, Add	0.79	
05 43 00 00-0006	LF 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	8.29	2.03
	For Galvanizing, Add	0.72	
	For Powder Coating, Add	0.63	
05 43 00 00-0007	LF 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	7.30	2.03
	For Galvanizing, Add	0.55	
	For Powder Coating, Add	0.49	
05 43 00 00-0008	Stainless Steel Unistrut Channel (05 43 00 00-0001)		
05 43 00 00-0009	304 Stainless Steel Unistrut Channel (05 43 00 00-0008)		
05 43 00 00-0010	LF 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	19.10	2.03
05 43 00 00-0011	LF 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	22.78	2.03
05 43 00 00-0012	LF 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	21.87	2.03
05 43 00 00-0013	LF 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	27.55	2.03
05 43 00 00-0014	316 Stainless Steel Unistrut Channel (05 43 00 00-0008)		

05 Metals**05 40 Cold-Formed Metal Framing****05 43 Slotted Channel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 43 00 00-0015 LF 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel.....	31.03	2.03
05 43 00 00-0016 Unistrut Closure Strips (05 43)		
05 43 00 00-0017 LF Raceway Closure Strip For Unistrut Channel.....	4.43	0.45
05 43 00 00-0018 Lock Nuts With Spring For Unistrut Channel (05 43)		
Note: Includes hex bolt.		
05 43 00 00-0019 Steel Lock Nuts With Spring For Unistrut Channel (05 43 00 00-0018)		
Note: Includes hex bolt.		
05 43 00 00-0020 EA 1/4-20, Steel Lock Nut With Spring For Unistrut Channel.....	5.87	
05 43 00 00-0021 EA 3/8-16, Steel Lock Nut With Spring For Unistrut Channel.....	6.35	
05 43 00 00-0022 EA 1/2-13, Steel Lock Nut With Spring For Unistrut Channel.....	6.71	
05 43 00 00-0023 EA 5/8-11, Steel Lock Nut With Spring For Unistrut Channel.....	8.67	
05 43 00 00-0024 Stainless Steel Lock Nuts With Spring For Unistrut Channel (05 43 00 00-0018)		
Note: Includes hex bolt.		
05 43 00 00-0025 EA 1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	11.41	
05 43 00 00-0026 EA 3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	12.08	
05 43 00 00-0027 EA 1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	16.70	
05 43 00 00-0028 EA 5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	27.90	
05 43 00 00-0029 Lock Nuts Without Spring For Unistrut Channel (05 43)		
Note: Includes hex bolt.		
05 43 00 00-0030 Steel Lock Nuts Without Spring For Unistrut Channel (05 43 00 00-0029)		
Note: Includes hex bolt.		
05 43 00 00-0031 EA 1/4-20, Steel Lock Nut Without Spring For Unistrut Channel.....	5.88	
05 43 00 00-0032 EA 3/8-16, Steel Lock Nut Without Spring For Unistrut Channel.....	6.42	
05 43 00 00-0033 EA 1/2-13, Steel Lock Nut Without Spring For Unistrut Channel.....	6.74	
05 43 00 00-0034 EA 5/8-11, Steel Lock Nut Without Spring For Unistrut Channel.....	9.23	
05 43 00 00-0035 Stainless Steel Lock Nuts Without Spring For Unistrut Channel (05 43 00 00-0029)		
Note: Includes hex bolt.		
05 43 00 00-0036 EA 1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	8.44	
05 43 00 00-0037 EA 3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	9.98	
05 43 00 00-0038 EA 1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	10.80	
05 43 00 00-0039 EA 5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	27.20	
05 43 00 00-0040 Beam Clamp For Unistrut Channel (05 43)		
05 43 00 00-0041 EA Unistrut Beam Clamp, 1-5/8" Channel P2675.....	17.49	6.74
05 43 00 00-0042 EA Unistrut Beam Clamp, 1-5/8" Channel P2676.....	21.21	6.74
05 43 00 00-0043 EA Add For Unistrut Swivel Nut, P2676.....	2.02	
05 43 00 00-0044 Beam Clamp Clevis Hangers For Unistrut Channel (05 43)		
05 43 00 00-0045 EA Up To 3/8" Rod, Beam Clamp Clevis Hanger (Unistrut P2674).....	18.78	6.74
05 43 00 00-0046 EA Up To 1/2" Rod, Beam Clamp Clevis Hanger (Unistrut P2677).....	21.74	6.74
05 43 00 00-0047 EA Add For Unistrut Swivel Nut.....	2.02	
05 43 00 00-0048 EA 6-Hole Electrogalvanized Steel Shelf Bracket For Unistrut.....	104.98	9.00
05 43 00 00-0049 Pipe And Rigid Conduit Clamps (05 43)		
05 43 00 00-0050 Pipe And Rigid Conduit Clamps (05 43 00 00-0049)		
Note: Includes stainless steel (316) hardware.		
05 43 00 00-0051 PR 1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	6.57	1.83
05 43 00 00-0052 PR 3/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	6.75	1.83
05 43 00 00-0053 PR 1" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	7.65	2.22
05 43 00 00-0054 PR 1-1/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	8.09	2.41
05 43 00 00-0055 PR 1-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	10.50	2.71
05 43 00 00-0056 PR 2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	10.50	2.71
05 43 00 00-0057 PR 2-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	15.90	4.54
05 43 00 00-0058 PR 3" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	16.25	4.54
05 43 00 00-0059 PR 3-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	17.27	5.02
05 43 00 00-0060 PR 4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	19.18	5.40
05 43 00 00-0061 Pipe And Rigid Conduit Clamps (05 43 00 00-0049)		
Note: Includes nylon hardware.		
05 43 00 00-0062 PR 1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	7.09	1.83
05 43 00 00-0063 PR 3/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	7.30	1.83
05 43 00 00-0064 PR 1" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	8.20	2.22
05 43 00 00-0065 PR 1-1/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	8.66	2.41
05 43 00 00-0066 PR 1-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	11.41	2.71
05 43 00 00-0067 PR 2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	11.41	2.71



Metals	05	05
Cold-Formed Metal Framing	05 40	
Slotted Channel Framing	05 43	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 43 00 00-0068 PR 2-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	17.11	4.54
05 43 00 00-0069 PR 3" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	17.53	4.54
05 43 00 00-0070 PR 3-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	18.57	5.02
05 43 00 00-0071 PR 4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	20.66	5.40
 05 45 Metal Support Assemblies (05 40)		
05 45 13 Mechanical Metal Supports (05 45)		
See CSI section 23 05 29 00-0000 for metal supports.		
05 45 16 Electrical Metal Supports (05 45)		
See CSI section 26 05 29 00-0000 for metal supports.		
 05 50 Metal Fabrications (05)		
05 51 Metal Stairs (05 50)		
05 51 13 Metal Pan Stairs (05 51)		
Note: Open concrete filled metal pan stair and landing including steel stringer, safety nosing and concrete. Excludes handrail. See CSI section 05 52 13 00-0000 for handrails.		
05 51 13 00-0001 Open Concrete Filled Metal Pan Stair And Landing (05 51 13)		
Note: Includes steel stringer, safety nosing and concrete. Excludes handrail.		
05 51 13 00-0002 RSR 3'-6" Wide Open Concrete Filled Metal Pan Tread Stair	607.73	26.17
<i>For Closed Riser, Add</i>		69.34
05 51 13 00-0003 RSR 4'-0" Wide Open Concrete Filled Metal Pan Tread Stair	691.23	30.54
<i>For Closed Riser, Add</i>		78.76
05 51 13 00-0004 RSR 5'-0" Wide Open Concrete Filled Metal Pan Tread Stair	771.37	35.78
<i>For Closed Riser, Add</i>		87.66
05 51 13 00-0005 SF Concrete Filled Steel Pan Landing	69.82	4.37
Note: Conventional shape.		
 05 51 19 Metal Grating Stairs (05 51)		
Note: Open steel grating tread metal stair and landing including steel stringers, safety nosing and 2 pipe handrail.		
05 51 19 00-0001 Open Steel Grating Tread Metal Stair And Landing (05 51 19)		
Note: Includes steel stringers, safety nosing and 2 pipe handrail.		
05 51 19 00-0002 RSR 3'-6" Wide Open Steel Grating Tread Metal Stair	303.35	34.90
<i>For Closed Riser, Add</i>		35.60
<i>For Galvanized Steel, Add</i>		58.39
05 51 19 00-0003 RSR 4'-0" Wide Open Steel Grating Tread Metal Stair	324.93	40.14
<i>For Closed Riser, Add</i>		37.83
<i>For Galvanized Steel, Add</i>		61.17
05 51 19 00-0004 RSR 5'-0" Wide Open Steel Grating Tread Metal Stair	361.13	47.12
<i>For Closed Riser, Add</i>		41.76
<i>For Galvanized Steel, Add</i>		66.73
05 51 19 00-0005 SF Steel Grating Landing With Framing And 2 Pipe Handrail	57.48	4.37
Note: Conventional shape.		
<i>For Galvanized Steel, Add</i>		10.01
 05 51 33 Metal Ladders (05 51)		
Note: Includes factory prime.		
05 51 33 13 Vertical Metal Ladders (05 51 33)		
05 51 33 13-0001 Vertical Ladders (05 51 33 13)		
Note: Climbing rungs are 3/4" corrugated steel round rungs on 12" centers. Stand-off brackets are 7"		
05 51 33 13-0002 VLF 20" Wide Vertical Steel Ladder Primed	74.92	10.47
<i>For Galvanized Steel, Add</i>		10.52
<i>For Aluminum, Add</i>		21.04
05 51 33 13-0003 VLF 24" Wide Vertical Steel Ladder Primed	85.58	10.47
<i>For Galvanized Steel, Add</i>		13.18
<i>For Aluminum, Add</i>		26.37
05 51 33 13-0004 VLF 20" Wide Vertical Steel Caged Ladder Primed	177.82	17.45
<i>For Galvanized Steel, Add</i>		30.55
<i>For Aluminum, Add</i>		61.10
05 51 33 13-0005 VLF 24" Wide Vertical Steel Caged Ladder Primed	199.14	17.45
<i>For Galvanized Steel, Add</i>		35.88
<i>For Aluminum, Add</i>		71.76
 05 51 33 13-0006 Vertical Ladders Options (05 51 33 13)		
05 51 33 13-0007 EA 20" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed	223.61	32.71
Note: Extends 42" above landing surface. Includes mounting bracket.		
<i>For Galvanized Steel, Add</i>		39.54
<i>For Aluminum, Add</i>		79.09
05 51 33 13-0008 EA 24" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed	244.26	34.90
Note: Extends 42" above landing surface. Includes mounting bracket.		
<i>For Galvanized Steel, Add</i>		43.61
<i>For Aluminum, Add</i>		87.23
05 51 33 13-0009 EA Security Cage Entry Gate With Lockable Hasp	312.57	10.91
05 51 33 13-0010 EA 6' Security Ladder Guard	692.61	65.44
05 51 33 13-0011 EA 8' Security Ladder Guard	827.24	76.35



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 51 33 13-0012	EA	Safety Chain Attachment	124.45	
05 51 33 13-0013		Welded Steel Ladder Cages <small>(05 51 33 13)</small>		
		Note: For existing fixed ladders up to 20" wide. Excludes the ladder.		
05 51 33 13-0014		Powder Coated, Welded Steel Ladder Cages <small>(05 51 33 13-0013)</small>		
05 51 33 13-0015	EA	7-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,284.55	130.88
05 51 33 13-0016	EA	8-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,391.43	135.25
05 51 33 13-0017	EA	9-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,476.97	139.60
05 51 33 13-0018	EA	10-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,568.20	143.97
05 51 33 13-0019	EA	11-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,622.45	148.33
05 51 33 13-0020	EA	12-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,709.41	152.70
05 51 33 13-0021	EA	13-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,786.42	157.05
05 51 33 13-0022	EA	14-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,886.19	161.42
05 51 33 13-0023	EA	15-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,983.12	165.78
05 51 33 13-0024	EA	16-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,062.96	170.15
05 51 33 13-0025	EA	17-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,159.88	174.50
05 51 33 13-0026	EA	18-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,253.96	178.87
05 51 33 13-0027	EA	19-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,346.61	183.23
05 51 33 13-0028	EA	20-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,513.24	187.59
05 51 33 13-0029	EA	21-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,564.63	191.95
05 51 33 13-0030	EA	22-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,651.60	196.32
05 51 33 13-0031	EA	23-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,731.45	200.69
05 51 33 13-0032	EA	24-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,805.61	205.04
05 51 33 13-0033	EA	25-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,967.97	209.41
05 51 33 13-0034	EA	26-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	3,056.36	213.77
05 51 33 13-0035	EA	27-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	3,139.05	218.14
05 51 33 13-0036		Stainless Steel, Welded Steel Ladder Cages <small>(05 51 33 13-0013)</small>		
05 51 33 13-0037	EA	7-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	2,966.62	130.88
05 51 33 13-0038	EA	8-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	3,166.80	135.25
05 51 33 13-0039	EA	9-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	3,498.70	139.60
05 51 33 13-0040	EA	10-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	3,663.57	143.97
05 51 33 13-0041	EA	11-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	3,802.65	148.33
05 51 33 13-0042	EA	12-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	3,986.54	152.70
05 51 33 13-0043	EA	13-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	4,315.72	157.05
05 51 33 13-0044	EA	14-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	4,483.32	161.42
05 51 33 13-0045	EA	15-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	4,656.35	165.78
05 51 33 13-0046	EA	16-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	4,845.67	170.15
05 51 33 13-0047	EA	17-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	5,181.63	174.50
05 51 33 13-0048	EA	18-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	5,350.59	178.87
05 51 33 13-0049	EA	19-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	5,511.39	183.23
05 51 33 13-0050	EA	20-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	5,776.76	187.59
05 51 33 13-0051	EA	21-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	6,074.70	191.95
05 51 33 13-0052	EA	22-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	6,240.94	196.32
05 51 33 13-0053	EA	23-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	6,411.25	200.69
05 51 33 13-0054	EA	24-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	6,570.70	205.04
05 51 33 13-0055	EA	25-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	6,977.27	209.41
05 51 33 13-0056	EA	26-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	7,136.73	213.77
05 51 33 13-0057	EA	27-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	7,300.24	218.14
05 51 33 16		Inclined Metal Ladders <small>(05 51 33)</small>		
05 51 33 16-0001		Industrial Ship Ladder, Incline Stairs <small>(05 51 33 16)</small>		
		Note: Includes factory prime.		
05 51 33 16-0002	RSR	3' Wide Industrial Steel Ship Ladder With 2 Rails Each Side.....	227.04	43.62
		For Aluminum, Add	69.89	
05 51 33 23		Alternating Tread Ladders <small>(05 51 33)</small>		
05 51 33 23-0001		Vertical Ladders With Alternating Tread <small>(05 51 33 23)</small>		
05 51 33 23-0002	EA	4' Vertical Height Aluminum Alternating Tread Ladder	1,315.82	130.88
		For Stainless Steel, Add	196.80	
		For Primed Steel, Deduct	-191.42	
05 51 33 23-0003	EA	5' Vertical Height Aluminum Alternating Tread Ladder	1,494.21	138.73
		For Stainless Steel, Add	240.90	
		For Primed Steel, Deduct	-223.30	
05 51 33 23-0004	EA	6' Vertical Height Aluminum Alternating Tread Ladder	1,639.81	138.73
		For Stainless Steel, Add	288.67	
		For Primed Steel, Deduct	-241.55	
05 51 33 23-0005	EA	7' Vertical Height Aluminum Alternating Tread Ladder	1,890.81	174.33
		For Stainless Steel, Add	347.24	
		For Primed Steel, Deduct	-256.61	
05 51 33 23-0006	EA	8' Vertical Height Aluminum Alternating Tread Ladder	2,062.56	180.51
		For Stainless Steel, Add	388.99	
		For Primed Steel, Deduct	-298.53	
05 51 33 23-0007	EA	9' Vertical Height Aluminum Alternating Tread Ladder	2,191.21	180.51
		For Stainless Steel, Add	453.51	
		For Primed Steel, Deduct	-293.53	



Metals	05	05
Metal Fabrications	05 50	
Metal Stairs	05 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 51	33 23-0008	EA	10' Vertical Height Aluminum Alternating Tread Ladder <i>For Stainless Steel, Add</i> <i>For Primed Steel, Deduct</i>	2,410.14 497.40 -327.55	201.35
05 51	33 23-0009	EA	11' Vertical Height Aluminum Alternating Tread Ladder <i>For Stainless Steel, Add</i> <i>For Primed Steel, Deduct</i>	2,554.28 546.61 -347.07	201.35
05 51	33 23-0010	EA	12' Vertical Height Aluminum Alternating Tread Ladder <i>For Stainless Steel, Add</i> <i>For Primed Steel, Deduct</i>	2,666.43 623.99 -346.65	201.35

05 52 Metal Railings (05 50)

05 52 13 Pipe And Tube Railings (05 52)

Note: Includes embedded steel sleeves, grouting, connection bolts (where necessary) and drilling of bolt (where necessary).

05 52 13 00-0001 **Welded Steel Pipe Railing** (05 52 13)

Note: Includes field welds and touch-up of welds.

05 52 13 00-0002 **One Rail, Up To 42" High, Welded Steel Pipe Railings** (05 52 13 00-0001)

Note: Includes factory primed posts and one rail.

05 52 13 00-0003	LF	1" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing.....	38.40	8.72
		<i>For Schedule 80 Handrail, Add</i>	3.03	
		<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-4.61	
		<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-5.24	
		<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-6.91	
		<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-8.17	
		<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	11.98	
		<i>For Aluminum, Satin Finish, Add</i>	8.80	
		<i>For Aluminum, Clear Anodized Finish, Add</i>	13.62	
		<i>For Aluminum, Dark Anodized Finish, Add</i>	15.71	
		<i>For Galvanizing, Add</i>	8.38	
		<i>For Wrought Iron, Add</i>	3.84	
		<i>For Solid Steel Rails, Add</i>	7.68	
		<i>For 304 Stainless Steel, Add</i>	67.04	
		<i>For 316 Stainless Steel, Add</i>	75.42	
		<i>For 2" Wheel Guard, Add</i>	1.99	
		<i>For 4" High Kick Plate, Add</i>	2.62	
		<i>For 6" High Kick Plate, Add</i>	4.19	
		<i>For Curved Rail, Add</i>	17.81	
		<i>For Mounting On Stairs, Add</i>	4.71	
		<i>For Mounting On Slopes, Add</i>	1.75	
		<i>For Post Base Flange With Screws, Add Per Post</i>	19.25	
		<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.12	
		<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	14.84	
		<i>For Nylon Coating, Add</i>	3.14	
05 52 13 00-0004	LF	1-1/4" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	42.00	8.72
		<i>For Schedule 80 Handrail, Add</i>	4.46	
		<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-5.40	
		<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-6.14	
		<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-8.10	
		<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-9.57	
		<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	11.98	
		<i>For Aluminum, Satin Finish, Add</i>	10.31	
		<i>For Aluminum, Clear Anodized Finish, Add</i>	15.96	
		<i>For Aluminum, Dark Anodized Finish, Add</i>	18.41	
		<i>For Galvanizing, Add</i>	9.82	
		<i>For Wrought Iron, Add</i>	4.20	
		<i>For Solid Steel Rails, Add</i>	8.40	
		<i>For 304 Stainless Steel, Add</i>	78.56	
		<i>For 316 Stainless Steel, Add</i>	88.38	
		<i>For 2" Wheel Guard, Add</i>	2.33	
		<i>For 4" High Kick Plate, Add</i>	3.07	
		<i>For 6" High Kick Plate, Add</i>	4.91	
		<i>For Curved Rail, Add</i>	19.97	
		<i>For Mounting On Stairs, Add</i>	5.07	
		<i>For Mounting On Slopes, Add</i>	1.75	
		<i>For Post Base Flange With Screws, Add Per Post</i>	19.25	
		<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.12	
		<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	16.64	
		<i>For Nylon Coating, Add</i>	3.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0005 LF 1-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing.....	45.61	8.72
For Schedule 80 Handrail, Add	4.46	
For 11 Gauge A513 Steel Tubing, Deduct	-6.20	
For 12 Gauge A513 Steel Tubing, Deduct	-7.04	
For 14 Gauge A513 Steel Tubing, Deduct	-9.29	
For 16 Gauge A513 Steel Tubing, Deduct	-10.98	
For Additional Off Set Handrail, ADA Attachment, Add	11.98	
For Aluminum, Satin Finish, Add	11.83	
For Aluminum, Clear Anodized Finish, Add	18.30	
For Aluminum, Dark Anodized Finish, Add	21.12	
For Galvanizing, Add	11.26	
For Wrought Iron, Add	4.56	
For Solid Steel Rails, Add	9.12	
For 304 Stainless Steel, Add	90.11	
For 316 Stainless Steel, Add	101.38	
For 2" Wheel Guard, Add	2.68	
For 4" High Kick Plate, Add	3.52	
For 6" High Kick Plate, Add	5.63	
For Curved Rail, Add	22.13	
For Mounting On Stairs, Add	5.43	
For Mounting On Slopes, Add	1.75	
For Post Base Flange With Screws, Add Per Post	19.25	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.12	
For Custom Design Or Shapes (Square Tops, etc), Add	18.44	
For Nylon Coating, Add	4.22	
05 52 13 00-0006 LF 2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing.....	51.87	8.72
For Schedule 80 Handrail, Add	5.04	
For 11 Gauge A513 Steel Tubing, Deduct	-7.57	
For 12 Gauge A513 Steel Tubing, Deduct	-8.61	
For 14 Gauge A513 Steel Tubing, Deduct	-11.36	
For 16 Gauge A513 Steel Tubing, Deduct	-13.42	
For Additional Off Set Handrail, ADA Attachment, Add	11.98	
For Aluminum, Satin Finish, Add	14.46	
For Aluminum, Clear Anodized Finish, Add	22.37	
For Aluminum, Dark Anodized Finish, Add	25.82	
For Galvanizing, Add	13.77	
For Wrought Iron, Add	5.19	
For Solid Steel Rails, Add	10.37	
For 304 Stainless Steel, Add	110.14	
For 316 Stainless Steel, Add	123.91	
For 2" Wheel Guard, Add	3.27	
For 4" High Kick Plate, Add	4.30	
For 6" High Kick Plate, Add	6.88	
For Curved Rail, Add	25.89	
For Mounting On Stairs, Add	6.06	
For Mounting On Slopes, Add	1.75	
For Post Base Flange With Screws, Add Per Post	19.25	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.12	
For Custom Design Or Shapes (Square Tops, etc), Add	21.57	
For Nylon Coating, Add	5.16	
05 52 13 00-0007 LF 2-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing.....	59.37	8.72
For Schedule 80 Handrail, Add	5.62	
For 11 Gauge A513 Steel Tubing, Deduct	-9.22	
For 12 Gauge A513 Steel Tubing, Deduct	-10.48	
For 14 Gauge A513 Steel Tubing, Deduct	-13.83	
For 16 Gauge A513 Steel Tubing, Deduct	-16.35	
For Additional Off Set Handrail, ADA Attachment, Add	11.98	
For Aluminum, Satin Finish, Add	17.61	
For Aluminum, Clear Anodized Finish, Add	27.25	
For Aluminum, Dark Anodized Finish, Add	31.44	
For Galvanizing, Add	16.77	
For Wrought Iron, Add	5.94	
For Solid Steel Rails, Add	11.87	
For 304 Stainless Steel, Add	134.14	
For 316 Stainless Steel, Add	150.91	
For 2" Wheel Guard, Add	3.98	
For 4" High Kick Plate, Add	5.24	
For 6" High Kick Plate, Add	8.38	
For Curved Rail, Add	30.39	
For Mounting On Stairs, Add	6.81	
For Mounting On Slopes, Add	1.75	
For Post Base Flange With Screws, Add Per Post	19.25	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.12	
For Custom Design Or Shapes (Square Tops, etc), Add	25.32	
For Nylon Coating, Add	6.29	

05 52 13 00-0008 Two Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)
Note: Includes factory primed posts and two rails.



Metals	05	05
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0009 LF 1" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	43.63	8.72
For Schedule 80 Handrail, Add	3.03	
For 11 Gauge A513 Steel Tubing, Deduct	-5.76	
For 12 Gauge A513 Steel Tubing, Deduct	-6.55	
For 14 Gauge A513 Steel Tubing, Deduct	-8.64	
For 16 Gauge A513 Steel Tubing, Deduct	-10.21	
For Additional Off Set Handrail, ADA Attachment, Add	11.98	
For Aluminum, Satin Finish, Add	11.00	
For Aluminum, Clear Anodized Finish, Add	17.02	
For Aluminum, Dark Anodized Finish, Add	19.64	
For Galvanizing, Add	10.47	
For Wrought Iron, Add	4.36	
For Solid Steel Rails, Add	8.73	
For 304 Stainless Steel, Add	83.78	
For 316 Stainless Steel, Add	94.25	
For 2" Wheel Guard, Add	2.49	
For 4" High Kick Plate, Add	3.27	
For 6" High Kick Plate, Add	5.24	
For Curved Rail, Add	20.94	
For Mounting On Stairs, Add	5.24	
For Mounting On Slopes, Add	1.75	
For Post Base Flange With Screws, Add Per Post	19.25	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.12	
For Custom Design Or Shapes (Square Tops, etc), Add	17.45	
For Nylon Coating, Add	3.93	
05 52 13 00-0010 LF 1-1/4" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	48.14	8.72
For Schedule 80 Handrail, Add	4.46	
For 11 Gauge A513 Steel Tubing, Deduct	-6.75	
For 12 Gauge A513 Steel Tubing, Deduct	-7.67	
For 14 Gauge A513 Steel Tubing, Deduct	-10.13	
For 16 Gauge A513 Steel Tubing, Deduct	-11.97	
For Additional Off Set Handrail, ADA Attachment, Add	11.98	
For Aluminum, Satin Finish, Add	12.89	
For Aluminum, Clear Anodized Finish, Add	19.95	
For Aluminum, Dark Anodized Finish, Add	23.02	
For Galvanizing, Add	12.28	
For Wrought Iron, Add	4.81	
For Solid Steel Rails, Add	9.63	
For 304 Stainless Steel, Add	98.21	
For 316 Stainless Steel, Add	110.48	
For 2" Wheel Guard, Add	2.92	
For 4" High Kick Plate, Add	3.84	
For 6" High Kick Plate, Add	6.14	
For Curved Rail, Add	23.65	
For Mounting On Stairs, Add	5.69	
For Mounting On Slopes, Add	1.75	
For Post Base Flange With Screws, Add Per Post	19.25	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.12	
For Custom Design Or Shapes (Square Tops, etc), Add	19.71	
For Nylon Coating, Add	4.60	
05 52 13 00-0011 LF 1-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	52.65	8.72
For Schedule 80 Handrail, Add	4.46	
For 11 Gauge A513 Steel Tubing, Deduct	-7.74	
For 12 Gauge A513 Steel Tubing, Deduct	-8.80	
For 14 Gauge A513 Steel Tubing, Deduct	-11.62	
For 16 Gauge A513 Steel Tubing, Deduct	-13.73	
For Additional Off Set Handrail, ADA Attachment, Add	11.98	
For Aluminum, Satin Finish, Add	14.78	
For Aluminum, Clear Anodized Finish, Add	22.88	
For Aluminum, Dark Anodized Finish, Add	26.40	
For Galvanizing, Add	14.08	
For Wrought Iron, Add	5.27	
For Solid Steel Rails, Add	10.53	
For 304 Stainless Steel, Add	112.64	
For 316 Stainless Steel, Add	126.72	
For 2" Wheel Guard, Add	3.34	
For 4" High Kick Plate, Add	4.40	
For 6" High Kick Plate, Add	7.04	
For Curved Rail, Add	26.36	
For Mounting On Stairs, Add	6.14	
For Mounting On Slopes, Add	1.75	
For Post Base Flange With Screws, Add Per Post	19.25	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.12	
For Custom Design Or Shapes (Square Tops, etc), Add	21.96	
For Nylon Coating, Add	5.28	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0012	LF		2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	60.47	8.72
			<i>For Schedule 80 Handrail, Add</i>	5.04	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-9.46	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-10.76	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-14.20	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-16.78	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	11.98	
			<i>For Aluminum, Satin Finish, Add</i>	18.07	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	27.96	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	32.27	
			<i>For Galvanizing, Add</i>	17.21	
			<i>For Wrought Iron, Add</i>	6.05	
			<i>For Solid Steel Rails, Add</i>	12.09	
			<i>For 304 Stainless Steel, Add</i>	137.66	
			<i>For 316 Stainless Steel, Add</i>	154.87	
			<i>For 2" Wheel Guard, Add</i>	4.09	
			<i>For 4" High Kick Plate, Add</i>	5.38	
			<i>For 6" High Kick Plate, Add</i>	8.60	
			<i>For Curved Rail, Add</i>	31.05	
			<i>For Mounting On Stairs, Add</i>	6.92	
			<i>For Mounting On Slopes, Add</i>	1.75	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.25	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.12	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	25.87	
			<i>For Nylon Coating, Add</i>	6.45	
05 52 13 00-0013	LF		2-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	69.85	8.72
			<i>For Schedule 80 Handrail, Add</i>	5.62	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-11.53	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-13.10	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-17.29	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-20.44	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	11.98	
			<i>For Aluminum, Satin Finish, Add</i>	22.01	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	34.06	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	39.30	
			<i>For Galvanizing, Add</i>	20.96	
			<i>For Wrought Iron, Add</i>	6.99	
			<i>For Solid Steel Rails, Add</i>	13.97	
			<i>For 304 Stainless Steel, Add</i>	167.68	
			<i>For 316 Stainless Steel, Add</i>	188.64	
			<i>For 2" Wheel Guard, Add</i>	4.98	
			<i>For 4" High Kick Plate, Add</i>	6.55	
			<i>For 6" High Kick Plate, Add</i>	10.48	
			<i>For Curved Rail, Add</i>	36.68	
			<i>For Mounting On Stairs, Add</i>	7.86	
			<i>For Mounting On Slopes, Add</i>	1.75	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.25	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.12	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	30.56	
			<i>For Nylon Coating, Add</i>	7.86	
05 52 13 00-0014			Three Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)		
			Note: Includes factory primed posts and three rails.		
05 52 13 00-0015	LF		1" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	58.36	10.47
			<i>For Schedule 80 Handrail, Add</i>	4.50	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-8.23	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-9.36	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-12.35	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-14.59	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	12.68	
			<i>For Aluminum, Satin Finish, Add</i>	15.72	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	24.32	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	28.07	
			<i>For Galvanizing, Add</i>	14.97	
			<i>For Wrought Iron, Add</i>	5.84	
			<i>For Solid Steel Rails, Add</i>	11.67	
			<i>For 304 Stainless Steel, Add</i>	119.74	
			<i>For 316 Stainless Steel, Add</i>	134.71	
			<i>For 2" Wheel Guard, Add</i>	3.55	
			<i>For 4" High Kick Plate, Add</i>	4.68	
			<i>For 6" High Kick Plate, Add</i>	7.48	
			<i>For Curved Rail, Add</i>	28.73	
			<i>For Mounting On Stairs, Add</i>	6.88	
			<i>For Mounting On Slopes, Add</i>	2.09	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.59	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.64	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	23.95	
			<i>For Nylon Coating, Add</i>	5.61	



Metals	05	05
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0016 LF 1-1/4" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	64.81	10.47
For Schedule 80 Handrail, Add	6.40	
For 11 Gauge A513 Steel Tubing, Deduct	-9.65	
For 12 Gauge A513 Steel Tubing, Deduct	-10.97	
For 14 Gauge A513 Steel Tubing, Deduct	-14.48	
For 16 Gauge A513 Steel Tubing, Deduct	-17.11	
For Additional Off Set Handrail, ADA Attachment, Add	12.68	
For Aluminum, Satin Finish, Add	18.43	
For Aluminum, Clear Anodized Finish, Add	28.52	
For Aluminum, Dark Anodized Finish, Add	32.90	
For Galvanizing, Add	17.55	
For Wrought Iron, Add	6.48	
For Solid Steel Rails, Add	12.96	
For 304 Stainless Steel, Add	140.38	
For 316 Stainless Steel, Add	157.93	
For 2" Wheel Guard, Add	4.17	
For 4" High Kick Plate, Add	5.48	
For 6" High Kick Plate, Add	8.77	
For Curved Rail, Add	32.60	
For Mounting On Stairs, Add	7.53	
For Mounting On Slopes, Add	2.09	
For Post Base Flange With Screws, Add Per Post	19.59	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.64	
For Custom Design Or Shapes (Square Tops, etc), Add	27.17	
For Nylon Coating, Add	6.58	
05 52 13 00-0017 LF 1-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	71.25	10.47
For Schedule 80 Handrail, Add	6.40	
For 11 Gauge A513 Steel Tubing, Deduct	-11.07	
For 12 Gauge A513 Steel Tubing, Deduct	-12.58	
For 14 Gauge A513 Steel Tubing, Deduct	-16.60	
For 16 Gauge A513 Steel Tubing, Deduct	-19.62	
For Additional Off Set Handrail, ADA Attachment, Add	12.68	
For Aluminum, Satin Finish, Add	21.13	
For Aluminum, Clear Anodized Finish, Add	32.70	
For Aluminum, Dark Anodized Finish, Add	37.73	
For Galvanizing, Add	20.12	
For Wrought Iron, Add	7.13	
For Solid Steel Rails, Add	14.25	
For 304 Stainless Steel, Add	160.99	
For 316 Stainless Steel, Add	181.12	
For 2" Wheel Guard, Add	4.78	
For 4" High Kick Plate, Add	6.29	
For 6" High Kick Plate, Add	10.06	
For Curved Rail, Add	36.47	
For Mounting On Stairs, Add	8.17	
For Mounting On Slopes, Add	2.09	
For Post Base Flange With Screws, Add Per Post	19.59	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.64	
For Custom Design Or Shapes (Square Tops, etc), Add	30.39	
For Nylon Coating, Add	7.55	
05 52 13 00-0018 LF 2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	82.45	10.47
For Schedule 80 Handrail, Add	7.17	
For 11 Gauge A513 Steel Tubing, Deduct	-13.53	
For 12 Gauge A513 Steel Tubing, Deduct	-15.38	
For 14 Gauge A513 Steel Tubing, Deduct	-20.30	
For 16 Gauge A513 Steel Tubing, Deduct	-23.99	
For Additional Off Set Handrail, ADA Attachment, Add	12.68	
For Aluminum, Satin Finish, Add	25.83	
For Aluminum, Clear Anodized Finish, Add	39.98	
For Aluminum, Dark Anodized Finish, Add	46.13	
For Galvanizing, Add	24.60	
For Wrought Iron, Add	8.25	
For Solid Steel Rails, Add	16.49	
For 304 Stainless Steel, Add	196.83	
For 316 Stainless Steel, Add	221.44	
For 2" Wheel Guard, Add	5.84	
For 4" High Kick Plate, Add	7.69	
For 6" High Kick Plate, Add	12.30	
For Curved Rail, Add	43.19	
For Mounting On Stairs, Add	9.29	
For Mounting On Slopes, Add	2.09	
For Post Base Flange With Screws, Add Per Post	19.59	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.64	
For Custom Design Or Shapes (Square Tops, etc), Add	35.99	
For Nylon Coating, Add	9.23	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52	13 00-0019	LF	2-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	95.78	10.47
			<i>For Schedule 80 Handrail, Add</i>	7.94	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-16.46	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-18.71	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-24.70	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-29.19	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	12.68	
			<i>For Aluminum, Satin Finish, Add</i>	31.43	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	48.65	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	56.13	
			<i>For Galvanizing, Add</i>	29.94	
			<i>For Wrought Iron, Add</i>	9.58	
			<i>For Solid Steel Rails, Add</i>	19.16	
			<i>For 304 Stainless Steel, Add</i>	239.49	
			<i>For 316 Stainless Steel, Add</i>	269.42	
			<i>For 2" Wheel Guard, Add</i>	7.11	
			<i>For 4" High Kick Plate, Add</i>	9.36	
			<i>For 6" High Kick Plate, Add</i>	14.97	
			<i>For Curved Rail, Add</i>	51.19	
			<i>For Mounting On Stairs, Add</i>	10.63	
			<i>For Mounting On Slopes, Add</i>	2.09	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.59	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.64	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	42.66	
			<i>For Nylon Coating, Add</i>	11.23	
05 52	13 00-0020		Four Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)		
			Note: Includes factory primed posts and four rails.		
05 52	13 00-0021	LF	1" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	70.36	12.21
			<i>For Schedule 80 Handrail, Add</i>	6.17	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-10.10	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-11.48	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-15.16	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-17.91	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	13.38	
			<i>For Aluminum, Satin Finish, Add</i>	19.29	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	29.85	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	34.45	
			<i>For Galvanizing, Add</i>	18.37	
			<i>For Wrought Iron, Add</i>	7.04	
			<i>For Solid Steel Rails, Add</i>	14.07	
			<i>For 304 Stainless Steel, Add</i>	146.98	
			<i>For 316 Stainless Steel, Add</i>	165.35	
			<i>For 2" Wheel Guard, Add</i>	4.36	
			<i>For 4" High Kick Plate, Add</i>	5.74	
			<i>For 6" High Kick Plate, Add</i>	9.19	
			<i>For Curved Rail, Add</i>	34.89	
			<i>For Mounting On Stairs, Add</i>	8.26	
			<i>For Mounting On Slopes, Add</i>	2.44	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.94	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	30.16	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	29.07	
			<i>For Nylon Coating, Add</i>	6.89	
05 52	13 00-0022	LF	1-1/4" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	76.08	12.21
			<i>For Schedule 80 Handrail, Add</i>	8.54	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-11.36	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-12.91	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-17.04	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-20.14	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	13.38	
			<i>For Aluminum, Satin Finish, Add</i>	21.69	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	33.57	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	38.74	
			<i>For Galvanizing, Add</i>	20.66	
			<i>For Wrought Iron, Add</i>	7.61	
			<i>For Solid Steel Rails, Add</i>	15.22	
			<i>For 304 Stainless Steel, Add</i>	165.28	
			<i>For 316 Stainless Steel, Add</i>	185.94	
			<i>For 2" Wheel Guard, Add</i>	4.91	
			<i>For 4" High Kick Plate, Add</i>	6.46	
			<i>For 6" High Kick Plate, Add</i>	10.33	
			<i>For Curved Rail, Add</i>	38.32	
			<i>For Mounting On Stairs, Add</i>	8.83	
			<i>For Mounting On Slopes, Add</i>	2.44	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.94	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	30.16	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	31.93	
			<i>For Nylon Coating, Add</i>	7.75	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0023	LF	1-1/2"	Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	81.80	12.21
			<i>For Schedule 80 Handrail, Add</i>	8.54	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-12.62	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-14.34	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-18.93	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-22.37	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	13.38	
			<i>For Aluminum, Satin Finish, Add</i>	24.10	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	37.29	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	43.03	
			<i>For Galvanizing, Add</i>	22.95	
			<i>For Wrought Iron, Add</i>	8.18	
			<i>For Solid Steel Rails, Add</i>	16.36	
			<i>For 304 Stainless Steel, Add</i>	183.58	
			<i>For 316 Stainless Steel, Add</i>	206.53	
			<i>For 2" Wheel Guard, Add</i>	5.45	
			<i>For 4" High Kick Plate, Add</i>	7.17	
			<i>For 6" High Kick Plate, Add</i>	11.47	
			<i>For Curved Rail, Add</i>	41.75	
			<i>For Mounting On Stairs, Add</i>	9.40	
			<i>For Mounting On Slopes, Add</i>	2.44	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.94	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	30.16	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	34.79	
			<i>For Nylon Coating, Add</i>	8.61	
05 52 13 00-0024	LF	2"	Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	94.55	12.21
			<i>For Schedule 80 Handrail, Add</i>	9.51	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-15.43	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-17.53	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-23.14	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-27.35	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	13.38	
			<i>For Aluminum, Satin Finish, Add</i>	29.45	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	45.58	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	52.59	
			<i>For Galvanizing, Add</i>	28.05	
			<i>For Wrought Iron, Add</i>	9.46	
			<i>For Solid Steel Rails, Add</i>	18.91	
			<i>For 304 Stainless Steel, Add</i>	224.38	
			<i>For 316 Stainless Steel, Add</i>	252.43	
			<i>For 2" Wheel Guard, Add</i>	6.66	
			<i>For 4" High Kick Plate, Add</i>	8.77	
			<i>For 6" High Kick Plate, Add</i>	14.02	
			<i>For Curved Rail, Add</i>	49.40	
			<i>For Mounting On Stairs, Add</i>	10.68	
			<i>For Mounting On Slopes, Add</i>	2.44	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.94	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	30.16	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	41.17	
			<i>For Nylon Coating, Add</i>	10.52	
05 52 13 00-0025	LF	2-1/2"	Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	109.48	12.21
			<i>For Schedule 80 Handrail, Add</i>	10.48	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-18.71	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-21.26	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-28.07	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-33.17	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	13.38	
			<i>For Aluminum, Satin Finish, Add</i>	35.72	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	55.28	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	63.79	
			<i>For Galvanizing, Add</i>	34.02	
			<i>For Wrought Iron, Add</i>	10.95	
			<i>For Solid Steel Rails, Add</i>	21.90	
			<i>For 304 Stainless Steel, Add</i>	272.16	
			<i>For 316 Stainless Steel, Add</i>	306.18	
			<i>For 2" Wheel Guard, Add</i>	8.08	
			<i>For 4" High Kick Plate, Add</i>	10.63	
			<i>For 6" High Kick Plate, Add</i>	17.01	
			<i>For Curved Rail, Add</i>	58.36	
			<i>For Mounting On Stairs, Add</i>	12.17	
			<i>For Mounting On Slopes, Add</i>	2.44	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.94	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	30.16	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	48.63	
			<i>For Nylon Coating, Add</i>	12.76	
05 52 13 00-0026			Railing Infill Panels <small>(05 52 13)</small>		
			Note: Includes field welds and touch-up of welds.		
05 52 13 00-0027			Wire Mesh Or Welded Wire Mesh, Railing Infill Panels <small>(05 52 13 00-0026)</small>		
			Note: Square weave or square welded wire mesh.		
05 52 13 00-0028	SF		Powder Coated Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	8.25	
05 52 13 00-0029	SF		Galvanized Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	8.76	
05 52 13 00-0030	SF		Aluminum, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	9.21	
05 52 13 00-0031	SF		Stainless Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	15.57	

05	05	Metals
	05 50	Metal Fabrications
	05 52	Metal Railings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 52 13 00-0032	Perforated Metal, Railing Infill Panels <small>(05 52 13 00-0026)</small>		
05 52 13 00-0033	SF Powder Coated Steel, Perforated Metal, Railing Infill Panel.....	8.09	
05 52 13 00-0034	SF Galvanized Steel, Perforated Metal, Railing Infill Panel.....	8.36	
05 52 13 00-0035	SF Aluminum, Perforated Metal, Railing Infill Panel.....	8.95	
05 52 13 00-0036	SF Stainless Steel, Perforated Metal, Railing Infill Panel.....	17.97	
05 52 13 00-0037	Expanded Metal, Railing Infill Panels <small>(05 52 13 00-0026)</small>		
05 52 13 00-0038	SF Powder Coated Steel, Expanded Metal, Railing Infill Panel.....	3.65	
05 52 13 00-0039	SF Galvanized Steel, Expanded Metal, Railing Infill Panel.....	7.46	
05 52 13 00-0040	SF Aluminum, Expanded Metal, Railing Infill Panel.....	9.79	
05 52 13 00-0041	SF Stainless Steel, Expanded Metal, Railing Infill Panel.....	14.60	
05 52 13 00-0042	Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings <small>(05 52 13)</small>		
	<small>Note: Includes factory primed, fasteners and field touch-up of welds.</small>		
05 52 13 00-0043	LF 1" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	33.13	5.24
	<i>For Schedule 80 Handrail, Add</i>	1.81	
	<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-4.41	
	<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-5.01	
	<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-6.61	
	<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-7.82	
	<i>For Stainless Steel, Add</i>	40.08	
	<i>For Aluminum, Satin Finish, Add</i>	8.42	
	<i>For Curved Rail, Add</i>	9.94	
	<i>For Aluminum, Clear Anodized Finish, Add</i>	13.03	
	<i>For Aluminum, Dark Anodized Finish, Add</i>	15.03	
	<i>For Galvanized Finish, Add</i>	6.01	
05 52 13 00-0044	LF 1-1/4" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	33.78	5.24
	<i>For Schedule 80 Handrail, Add</i>	2.05	
	<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-4.55	
	<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-5.17	
	<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-6.83	
	<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-8.07	
	<i>For Stainless Steel, Add</i>	41.38	
	<i>For Aluminum, Satin Finish, Add</i>	8.69	
	<i>For Curved Rail, Add</i>	10.13	
	<i>For Aluminum, Clear Anodized Finish, Add</i>	13.45	
	<i>For Aluminum, Dark Anodized Finish, Add</i>	15.52	
	<i>For Galvanized Finish, Add</i>	6.21	
05 52 13 00-0045	LF 1-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	34.42	5.24
	<i>For Schedule 80 Handrail, Add</i>	5.22	
	<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-4.69	
	<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-5.33	
	<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-7.04	
	<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-8.32	
	<i>For Stainless Steel, Add</i>	42.66	
	<i>For Aluminum, Satin Finish, Add</i>	8.96	
	<i>For Curved Rail, Add</i>	10.33	
	<i>For Aluminum, Clear Anodized Finish, Add</i>	13.86	
	<i>For Aluminum, Dark Anodized Finish, Add</i>	16.00	
	<i>For Galvanized Finish, Add</i>	6.40	
05 52 13 00-0046	LF 2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	41.86	5.24
	<i>For Schedule 80 Handrail, Add</i>	2.48	
	<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-6.33	
	<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-7.19	
	<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-9.49	
	<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-11.22	
	<i>For Stainless Steel, Add</i>	57.54	
	<i>For Aluminum, Satin Finish, Add</i>	12.08	
	<i>For Curved Rail, Add</i>	12.56	
	<i>For Aluminum, Clear Anodized Finish, Add</i>	18.70	
	<i>For Aluminum, Dark Anodized Finish, Add</i>	21.58	
	<i>For Galvanized Finish, Add</i>	8.63	
05 52 13 00-0047	LF 2-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	48.00	5.24
	<i>For Schedule 80 Handrail, Add</i>	2.67	
	<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-7.68	
	<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-8.73	
	<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-11.52	
	<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-13.61	
	<i>For Stainless Steel, Add</i>	69.82	
	<i>For Aluminum, Satin Finish, Add</i>	14.66	
	<i>For Curved Rail, Add</i>	14.40	
	<i>For Aluminum, Clear Anodized Finish, Add</i>	22.69	
	<i>For Aluminum, Dark Anodized Finish, Add</i>	26.18	
	<i>For Galvanized Finish, Add</i>	10.47	

05 52 13 00-0048 **Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings** (05 52 13)
Note: Includes factory primed, fasteners and field touch-up of welds.



Metals	05	05
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0049 LF 1" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	40.73	5.50
For Schedule 80 Handrail, Add	1.81	
For 11 Gauge A513 Steel Tubing, Deduct	-6.08	
For 12 Gauge A513 Steel Tubing, Deduct	-6.91	
For 14 Gauge A513 Steel Tubing, Deduct	-9.12	
For 16 Gauge A513 Steel Tubing, Deduct	-10.78	
For Stainless Steel, Add	55.28	
For Aluminum, Satin Finish, Add	11.61	
For Curved Rail, Add	12.22	
For Aluminum, Clear Anodized Finish, Add	17.97	
For Aluminum, Dark Anodized Finish, Add	20.73	
For Galvanized Finish, Add	8.29	
05 52 13 00-0050 LF 1-1/4" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	41.63	5.50
For Schedule 80 Handrail, Add	2.05	
For 11 Gauge A513 Steel Tubing, Deduct	-6.28	
For 12 Gauge A513 Steel Tubing, Deduct	-7.14	
For 14 Gauge A513 Steel Tubing, Deduct	-9.42	
For 16 Gauge A513 Steel Tubing, Deduct	-11.13	
For Stainless Steel, Add	57.08	
For Aluminum, Satin Finish, Add	11.99	
For Curved Rail, Add	12.49	
For Aluminum, Clear Anodized Finish, Add	18.55	
For Aluminum, Dark Anodized Finish, Add	21.41	
For Galvanized Finish, Add	8.66	
05 52 13 00-0051 LF 1-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	42.31	5.50
For Schedule 80 Handrail, Add	5.22	
For 11 Gauge A513 Steel Tubing, Deduct	-6.43	
For 12 Gauge A513 Steel Tubing, Deduct	-7.31	
For 14 Gauge A513 Steel Tubing, Deduct	-9.64	
For 16 Gauge A513 Steel Tubing, Deduct	-11.40	
For Stainless Steel, Add	58.44	
For Aluminum, Satin Finish, Add	12.27	
For Curved Rail, Add	12.69	
For Aluminum, Clear Anodized Finish, Add	18.99	
For Aluminum, Dark Anodized Finish, Add	21.92	
For Galvanized Finish, Add	8.77	
05 52 13 00-0052 LF 2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	52.69	5.50
For Schedule 80 Handrail, Add	2.48	
For 11 Gauge A513 Steel Tubing, Deduct	-8.71	
For 12 Gauge A513 Steel Tubing, Deduct	-9.90	
For 14 Gauge A513 Steel Tubing, Deduct	-13.07	
For 16 Gauge A513 Steel Tubing, Deduct	-15.44	
For Stainless Steel, Add	79.20	
For Aluminum, Satin Finish, Add	16.63	
For Curved Rail, Add	15.81	
For Aluminum, Clear Anodized Finish, Add	25.74	
For Aluminum, Dark Anodized Finish, Add	29.70	
For Galvanized Finish, Add	11.88	
05 52 13 00-0053 LF 2-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	59.47	5.50
For Schedule 80 Handrail, Add	2.67	
For 11 Gauge A513 Steel Tubing, Deduct	-10.20	
For 12 Gauge A513 Steel Tubing, Deduct	-11.60	
For 14 Gauge A513 Steel Tubing, Deduct	-15.31	
For 16 Gauge A513 Steel Tubing, Deduct	-18.09	
For Stainless Steel, Add	92.76	
For Aluminum, Satin Finish, Add	19.48	
For Curved Rail, Add	17.84	
For Aluminum, Clear Anodized Finish, Add	30.15	
For Aluminum, Dark Anodized Finish, Add	34.79	
For Galvanized Finish, Add	13.91	
05 52 13 00-0054 Remove And Reinstall Pipe Railing (05 52 13)		
05 52 13 00-0055 LF Removal And Reinstallation Of Wall Bracket Mounted Pipe Railing.....	19.63	
05 52 13 00-0056 LF Removal And Reinstallation Of Floor Mounted Pipe Railing.....	25.70	
05 52 13 00-0057 EA Install New Galvanized Steel Pipe Railing Bracket.....	44.32	
For Stainless Steel, Add	36.30	

05 53 Metal Gratings (05 50)

05 53 13 Bar Gratings (05 53)

05 53 13 00-0001 Welded Grating (05 53 13)

Note: Sizes are for height and width of bearing bars. Welded grating is open grid grating which has bearing bars and cross bars locked in place by resistance welding, or conventional hand welding. Resistance welded grating is produced on precise automated production equipment by combining hydraulic pressure with a powerful electric current to fuse - electroforge - the cross bar and bearing bar into a single rigid panel.

05 53 13 00-0002 Steel, Welded Grating (05 53 13 00-0001)

Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted or tack welded, unpainted steel, and in all sizes.

05	Metals
05 50	Metal Fabrications
05 53	Metal Gratings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0003 SF 3/4" x 1/8" Steel, Welded Grating.....	7.11	0.96
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	0.88	
For 304 Stainless Steel, Add	16.66	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	1.52	
For Crossbars At 2" O.C., Add	0.56	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.42	
05 53 13 00-0004 SF 3/4" x 3/16" Steel, Welded Grating.....	9.25	0.96
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.25	
For 304 Stainless Steel, Add	23.53	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	2.14	
For Crossbars At 2" O.C., Add	0.79	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.47	
05 53 13 00-0005 SF 1" x 1/8" Steel, Welded Grating.....	8.49	0.96
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.12	
For 304 Stainless Steel, Add	21.09	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	1.92	
For Crossbars At 2" O.C., Add	0.71	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.45	
05 53 13 00-0006 SF 1" x 3/16" Steel, Welded Grating.....	11.40	0.96
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.61	
For 304 Stainless Steel, Add	30.43	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	2.77	
For Crossbars At 2" O.C., Add	1.02	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.52	
05 53 13 00-0007 SF 1" x 1/4" Steel, Welded Grating.....	14.32	0.96
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.11	
For 304 Stainless Steel, Add	39.80	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	3.62	
For Crossbars At 2" O.C., Add	1.34	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.60	
05 53 13 00-0008 SF 1-1/4" x 1/8" Steel, Welded Grating	9.88	0.96
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.35	
For 304 Stainless Steel, Add	25.55	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	2.32	
For Crossbars At 2" O.C., Add	0.86	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.49	
05 53 13 00-0009 SF 1-1/4" x 3/16" Steel, Welded Grating	13.43	0.96
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.96	
For 304 Stainless Steel, Add	36.95	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	3.36	
For Crossbars At 2" O.C., Add	1.24	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.57	
05 53 13 00-0010 SF 1-1/2" x 1/8" Steel, Welded Grating	11.28	0.96
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.59	
For 304 Stainless Steel, Add	30.05	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	2.73	
For Crossbars At 2" O.C., Add	1.01	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.52	
05 53 13 00-0011 SF 1-1/2" x 3/16" Steel, Welded Grating	15.99	1.18
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.32	
For 304 Stainless Steel, Add	43.78	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	3.98	
For Crossbars At 2" O.C., Add	1.47	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.92	



Metals	05	05
Metal Fabrications	05 50	
Metal Gratings	05 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0012	SF		1-1/2" x 1/4" Steel, Welded Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C. For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	20.42 0.22 3.07 58.00 5.28 1.95 0.16 -2.03	1.18
05 53 13 00-0013	SF		1-3/4" x 3/16" Steel, Welded Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C. For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	18.15 0.22 2.69 50.72 4.61 1.71 0.16 -1.97	1.18
05 53 13 00-0014	SF		2" x 3/16" Steel, Welded Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C. For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	20.18 0.22 3.03 57.23 5.21 1.93 0.16 -2.02	1.18
05 53 13 00-0015	SF		2-1/4" x 3/16" Steel, Welded Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C. For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	22.32 0.22 3.39 64.10 5.83 2.16 0.16 -2.07	1.18
05 53 13 00-0016	SF		2-1/2" x 3/16" Steel, Welded Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C. For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	24.35 0.22 3.74 70.62 6.42 2.38 0.16 -2.12	1.18
05 53 13 00-0017			Pressure Locked Grating ^(05 53 13) Note: Sizes are for height and width of bearing bars. Pressure locked grating is an open grid grating which is an assembly of tight-fitting, slotted bearing bars and cross bars, interlocked together. The permanent locking of the bars is accomplished by slotting the bearing bars with a wider 'dovetail' shape at the bottom of the slot. The bearing bar slot is usually 1/2 the depth of the cross bar. The cross bars are slotted to a depth slightly less than half its depth. When the bars are pressed together under hydraulic pressure, the cross bar material is forced into the 'dovetail' shape of the bearing bar notch, forming a strong, rigid unit.		
05 53 13 00-0018			Steel, Pressure Locked Grating ^(05 53 13 00-0017) Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0019	SF		3/4" x 1/8" Steel, Pressure Locked Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C. For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Set In Place Without Bolting Or Tack Welding, Deduct	12.74 0.22 1.77 20.24 3.16 1.17 -1.56	0.96
05 53 13 00-0020	SF		3/4" x 3/16" Steel, Pressure Locked Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C. For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Set In Place Without Bolting Or Tack Welding, Deduct	15.50 0.22 2.23 25.41 3.97 1.47 -1.63	0.96
05 53 13 00-0021	SF		1" x 1/8" Steel, Pressure Locked Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C. For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	13.92 0.22 1.97 22.45 3.50 1.30 0.16 -1.59	0.96



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0022 SF 1" x 3/16" Steel, Pressure Locked Grating.....	18.66	0.96
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.75	
For 304 Stainless Steel, Add	31.32	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 7/16" O.C., Add	24.27	
For Bearing Bars At 15/16" O.C., Add	4.89	
For Crossbars At 2" O.C., Add	1.81	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.70	
05 53 13 00-0023 SF 1-1/4" x 1/8" Steel, Pressure Locked Grating.....	15.50	0.96
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.23	
For 304 Stainless Steel, Add	25.41	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	3.97	
For Crossbars At 2" O.C., Add	1.47	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.63	
05 53 13 00-0024 SF 1-1/4" x 3/16" Steel, Pressure Locked Grating.....	20.85	0.96
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.10	
For 304 Stainless Steel, Add	35.42	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	5.53	
For Crossbars At 2" O.C., Add	2.04	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.76	
05 53 13 00-0025 SF 1-1/2" x 1/8" Steel, Pressure Locked Grating.....	17.15	0.96
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.50	
For 304 Stainless Steel, Add	28.50	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	4.45	
For Crossbars At 2" O.C., Add	1.64	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.67	
05 53 13 00-0026 SF 1-1/2" x 3/16" Steel, Pressure Locked Grating.....	23.58	1.18
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.48	
For 304 Stainless Steel, Add	39.72	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 7/16" O.C., Add	30.78	
For Bearing Bars At 15/16" O.C., Add	6.20	
For Crossbars At 2" O.C., Add	2.29	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.11	
05 53 13 00-0027 SF 1-3/4" x 3/16" Steel, Pressure Locked Grating.....	25.90	1.18
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.86	
For 304 Stainless Steel, Add	44.06	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	6.88	
For Crossbars At 2" O.C., Add	2.54	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.16	
05 53 13 00-0028 SF 2" x 3/16" Steel, Pressure Locked Grating.....	27.79	1.18
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	4.17	
For 304 Stainless Steel, Add	47.60	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	7.43	
For Crossbars At 2" O.C., Add	2.75	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.21	
05 53 13 00-0029 SF 2-1/4" x 3/16" Steel, Pressure Locked Grating.....	29.60	1.18
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	4.47	
For 304 Stainless Steel, Add	50.98	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	7.96	
For Crossbars At 2" O.C., Add	2.94	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.26	
05 53 13 00-0030 SF 2-1/2" x 3/16" Steel, Pressure Locked Grating.....	31.16	1.18
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	4.72	
For 304 Stainless Steel, Add	53.90	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	8.41	
For Crossbars At 2" O.C., Add	3.11	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.29	
05 53 13 00-0031 Aluminum, Type 6063, Pressure Locked Grating (05 53 13 00-0017)		
Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted in place, and in all sizes.		



Metals	05	05
Metal Fabrications	05 50	
Metal Gratings	05 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0032	SF		3/4" x 1/8" Aluminum, Pressure Locked Grating	13.23	0.96
			<i>For Bearing Bars At 15/16" O.C., Add</i>	3.30	
			<i>For Crossbars At 2" O.C., Add</i>	1.22	
			<i>For Set In Place Without Bolting, Deduct</i>	-1.57	
			<i>For Powder Coating, Add</i>	1.70	
05 53 13 00-0033	SF		3/4" x 3/16" Aluminum, Pressure Locked Grating	17.87	0.96
			<i>For Bearing Bars At 15/16" O.C., Add</i>	4.66	
			<i>For Crossbars At 2" O.C., Add</i>	1.72	
			<i>For Set In Place Without Bolting, Deduct</i>	-1.69	
			<i>For Powder Coating, Add</i>	2.39	
05 53 13 00-0034	SF		1" x 1/8" Aluminum, Pressure Locked Grating	16.87	0.96
			<i>For Bearing Bars At 15/16" O.C., Add</i>	4.37	
			<i>For Crossbars At 2" O.C., Add</i>	1.61	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-1.66	
			<i>For Powder Coating, Add</i>	2.24	
05 53 13 00-0035	SF		1" x 3/16" Aluminum, Pressure Locked Grating	22.87	0.96
			<i>For Bearing Bars At 7/16" O.C., Add</i>	30.38	
			<i>For Bearing Bars At 15/16" O.C., Add</i>	6.12	
			<i>For Crossbars At 2" O.C., Add</i>	2.26	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-1.81	
			<i>For Powder Coating, Add</i>	3.14	
05 53 13 00-0036	SF		1-1/4" x 1/8" Aluminum, Pressure Locked Grating	19.51	0.96
			<i>For Bearing Bars At 15/16" O.C., Add</i>	5.14	
			<i>For Crossbars At 2" O.C., Add</i>	1.90	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-1.73	
			<i>For Powder Coating, Add</i>	2.64	
05 53 13 00-0037	SF		1-1/4" x 3/16" Aluminum, Pressure Locked Grating	26.05	0.96
			<i>For Bearing Bars At 15/16" O.C., Add</i>	7.05	
			<i>For Crossbars At 2" O.C., Add</i>	2.61	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-1.89	
			<i>For Powder Coating, Add</i>	3.62	
05 53 13 00-0038	SF		1-1/2" x 1/8" Aluminum, Pressure Locked Grating	21.99	0.96
			<i>For Bearing Bars At 15/16" O.C., Add</i>	5.86	
			<i>For Crossbars At 2" O.C., Add</i>	2.17	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-1.79	
			<i>For Powder Coating, Add</i>	3.01	
05 53 13 00-0039	SF		1-1/2" x 3/16" Aluminum, Pressure Locked Grating	29.32	0.96
			<i>For Bearing Bars At 7/16" O.C., Add</i>	39.73	
			<i>For Bearing Bars At 15/16" O.C., Add</i>	8.00	
			<i>For Crossbars At 2" O.C., Add</i>	2.96	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-1.97	
			<i>For Powder Coating, Add</i>	4.11	
05 53 13 00-0040	SF		1-3/4" x 3/16" Aluminum, Pressure Locked Grating	32.46	0.96
			<i>For Bearing Bars At 15/16" O.C., Add</i>	8.92	
			<i>For Crossbars At 2" O.C., Add</i>	3.30	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-2.05	
			<i>For Powder Coating, Add</i>	4.58	
05 53 13 00-0041	SF		2" x 3/16" Aluminum, Pressure Locked Grating	36.18	0.96
			<i>For Bearing Bars At 15/16" O.C., Add</i>	10.00	
			<i>For Crossbars At 2" O.C., Add</i>	3.70	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-2.14	
			<i>For Powder Coating, Add</i>	5.14	
05 53 13 00-0042	SF		2-1/4" x 3/16" Aluminum, Pressure Locked Grating	39.10	0.96
			<i>For Bearing Bars At 15/16" O.C., Add</i>	10.86	
			<i>For Crossbars At 2" O.C., Add</i>	4.02	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-2.22	
			<i>For Powder Coating, Add</i>	5.58	
05 53 13 00-0043	SF		2-1/2" x 3/16" Aluminum, Pressure Locked Grating	42.58	0.96
			<i>For Bearing Bars At 15/16" O.C., Add</i>	11.87	
			<i>For Crossbars At 2" O.C., Add</i>	4.39	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-2.30	
			<i>For Powder Coating, Add</i>	6.10	

05 53 13 00-0044 Swage Locked Grating (05 53 13)

Note: Sizes are for height and width of bearing bars. Swage locked grating is an open grid grating where bearing bars are pre-punched to receive a cross bar without penetrating or cutting the top surface of the bearing bar. The cross bar is then inserted through the pre-punched hole and deformed by swaging or squeezing under hydraulic pressure to permanently lock the bars in place.

05 53 13 00-0045 Steel, Swage Locked Grating (05 53 13 00-0044)

Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted or tack welded, unpainted steel, and in all sizes.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0046	SF		1" x 3/16" Steel, Swaged Grating.....	20.34	0.96
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	1.69	
			For 304 Stainless Steel, Add	30.54	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 15/16" O.C., Add	11.79	
			For Crossbars At 2" O.C., Add	1.47	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.75	
05 53 13 00-0047	SF		1-1/4" x 3/16" Steel, Swaged Grating.....	22.62	0.96
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	1.90	
			For 304 Stainless Steel, Add	34.32	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 15/16" O.C., Add	13.25	
			For Crossbars At 2" O.C., Add	1.66	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.80	
05 53 13 00-0048	SF		1-1/2" x 3/16" Steel, Swaged Grating.....	24.82	1.18
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.07	
			For 304 Stainless Steel, Add	37.26	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 15/16" O.C., Add	14.38	
			For Crossbars At 2" O.C., Add	1.80	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.14	
05 53 13 00-0049	SF		1-3/4" x 3/16" Steel, Swaged Grating.....	28.31	1.18
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.39	
			For 304 Stainless Steel, Add	43.04	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 15/16" O.C., Add	16.61	
			For Crossbars At 2" O.C., Add	2.08	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.22	
05 53 13 00-0050	SF		2" x 3/16" Steel, Swaged Grating.....	31.81	1.18
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.71	
			For 304 Stainless Steel, Add	48.84	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 15/16" O.C., Add	18.85	
			For Crossbars At 2" O.C., Add	2.36	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.31	
05 53 13 00-0051	SF		2-1/4" x 3/16" Steel, Swaged Grating.....	35.29	1.18
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.03	
			For 304 Stainless Steel, Add	54.61	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 15/16" O.C., Add	21.08	
			For Crossbars At 2" O.C., Add	2.64	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.40	
05 53 13 00-0052	SF		2-1/2" x 3/16" Steel, Swaged Grating.....	38.79	1.18
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.35	
			For 304 Stainless Steel, Add	60.42	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 15/16" O.C., Add	23.32	
			For Crossbars At 2" O.C., Add	2.92	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.49	
05 53 13 00-0053			Aluminum Grating, Type 6063, Swage Locked <small>(05 53 13 00-0044)</small>		
			Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted in place, and in all sizes.		
05 53 13 00-0054	SF		1" x 1/8" Aluminum, Swaged Grating.....	15.59	0.96
			For Bearing Bars At 15/16" O.C., Add	8.75	
			For Crossbars At 2" O.C., Add	1.09	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.63	
			For Powder Coating, Add	2.05	
05 53 13 00-0055	SF		1" x 3/16" Aluminum, Swaged Grating.....	20.17	0.96
			For Bearing Bars At 15/16" O.C., Add	11.68	
			For Crossbars At 2" O.C., Add	1.46	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.74	
			For Powder Coating, Add	2.74	
05 53 13 00-0056	SF		1-1/4" x 1/8" Aluminum, Swaged Grating.....	17.65	0.96
			For Bearing Bars At 15/16" O.C., Add	10.07	
			For Crossbars At 2" O.C., Add	1.26	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.68	
			For Powder Coating, Add	2.36	



	Metals	05
	Metal Fabrications	05 50
	Metal Gratings	05 53

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0057 SF 1-1/4" x 3/16" Aluminum, Swaged Grating.....	23.25	0.96
For Bearing Bars At 15/16" O.C., Add	13.65	
For Crossbars At 2" O.C., Add	1.71	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.82	
For Powder Coating, Add	3.20	
05 53 13 00-0058 SF 1-1/2" x 1/8" Aluminum, Swaged Grating.....	20.09	0.96
For Bearing Bars At 15/16" O.C., Add	11.63	
For Crossbars At 2" O.C., Add	1.45	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.74	
For Powder Coating, Add	2.73	
05 53 13 00-0059 SF 1-1/2" x 3/16" Aluminum, Swaged Grating.....	26.54	0.96
For Bearing Bars At 15/16" O.C., Add	15.76	
For Crossbars At 2" O.C., Add	1.97	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.90	
For Powder Coating, Add	3.69	
05 53 13 00-0060 SF 1-3/4" x 3/16" Aluminum, Swaged Grating.....	30.34	0.96
For Bearing Bars At 15/16" O.C., Add	18.19	
For Crossbars At 2" O.C., Add	2.27	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.00	
For Powder Coating, Add	4.26	
05 53 13 00-0061 SF 2" x 3/16" Aluminum, Swaged Grating.....	34.12	0.96
For Bearing Bars At 15/16" O.C., Add	20.61	
For Crossbars At 2" O.C., Add	2.58	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.09	
For Powder Coating, Add	4.83	
05 53 13 00-0062 SF 2-1/4" x 3/16" Aluminum, Swaged Grating.....	37.92	0.96
For Bearing Bars At 15/16" O.C., Add	23.04	
For Crossbars At 2" O.C., Add	2.88	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.19	
For Powder Coating, Add	5.40	
05 53 13 00-0063 SF 2-1/2" x 3/16" Aluminum, Swaged Grating.....	41.70	0.96
For Bearing Bars At 15/16" O.C., Add	25.46	
For Crossbars At 2" O.C., Add	3.18	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.28	
For Powder Coating, Add	5.97	
05 53 13 00-0064 Riveted Grating <small>(05 53 13)</small>		
Note: Riveted grating is an open grid grating where bearing bars are pre-punched to receive a solid round rivet. Crimp/lacing bars are pre-punched as well and then formed into a reticulated shape. Bearing bars and crimp bars are then assembled and clamped in place by rivets which are cold driven under hydraulic pressure to permanently lock the assembly together.		
05 53 13 00-0065 Steel, Riveted Grating <small>(05 53 13 00-0064)</small>		
Note: 1" clear opening, bolted or tack welded in place, unpainted steel, all sizes.		
05 53 13 00-0066 SF 3/4" x 1/8", 7.0 LB/SF, Steel, Riveted Grating.....	37.96	0.96
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.73	
For 304 Stainless Steel, Add	30.96	
For 5/8" Clear Opening, Add	12.43	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.19	
05 53 13 00-0067 SF 3/4" x 3/16", 8.5 LB/SF, Steel, Riveted Grating.....	44.55	0.96
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.05	
For 304 Stainless Steel, Add	36.62	
For 5/8" Clear Opening, Add	14.71	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.35	
05 53 13 00-0068 SF 1" x 1/8", 8.0 LB/SF, Steel, Riveted Grating.....	40.99	0.96
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.88	
For 304 Stainless Steel, Add	33.56	
For 5/8" Clear Opening, Add	13.48	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.26	
05 53 13 00-0069 SF 1" x 3/16", 9.5 LB/SF, Steel, Riveted Grating.....	47.07	0.96
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.17	
For 304 Stainless Steel, Add	38.78	
For 5/8" Clear Opening, Add	15.58	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.42	
05 53 13 00-0070 SF 1-1/4" x 1/8", 9.0 LB/SF, Steel, Riveted Grating.....	43.51	0.96
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.00	
For 304 Stainless Steel, Add	35.73	
For 5/8" Clear Opening, Add	14.35	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0071 SF 1-1/4" x 3/16", 11.1 LB/SF, Steel, Riveted Grating.....	51.75	0.96
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.39	
For 304 Stainless Steel, Add	42.80	
For 5/8" Clear Opening, Add	17.19	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.53	
05 53 13 00-0072 SF 1-1/2" x 1/8", 10.1 LB/SF, Steel, Riveted Grating.....	46.36	1.18
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.11	
For 304 Stainless Steel, Add	37.80	
For 5/8" Clear Opening, Add	15.18	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.67	
05 53 13 00-0073 SF 1-1/2" x 3/16", 12.5 LB/SF, Steel, Riveted Grating.....	55.17	1.18
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.54	
For 304 Stainless Steel, Add	45.37	
For 5/8" Clear Opening, Add	18.22	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.90	
05 53 13 00-0074 SF 1-3/4" x 3/16", 14.0 LB/SF, Steel, Riveted Grating.....	59.66	1.18
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.75	
For 304 Stainless Steel, Add	49.23	
For 5/8" Clear Opening, Add	19.77	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-3.01	
05 53 13 00-0075 SF 2" x 3/16", 17.0 LB/SF, Steel, Riveted Grating.....	69.70	1.18
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.23	
For 304 Stainless Steel, Add	57.85	
For 5/8" Clear Opening, Add	23.24	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-3.26	
05 53 13 00-0076 SF 2-1/4" x 3/16", 18.5 LB/SF, Steel, Riveted Grating.....	73.20	1.18
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.40	
For 304 Stainless Steel, Add	60.86	
For 5/8" Clear Opening, Add	24.44	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-3.35	
05 53 13 00-0077 SF 2-1/2" x 3/16", 20.0 LB/SF, Steel, Riveted Grating.....	76.31	1.18
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.55	
For 304 Stainless Steel, Add	63.53	
For 5/8" Clear Opening, Add	25.52	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-3.42	
05 53 13 00-0078 Aluminum, Riveted Grating <small>(05 53 13 00-0064)</small>		
Note: 1" clear opening, bolted in place and in all sizes.		
05 53 13 00-0079 SF 3/4" x 1/8", 2.4 LB/SF, Aluminum, Riveted Grating.....	33.14	0.96
For 5/8" Clear Opening, Add	10.77	
For Powder Coating, Add	4.68	
For Set In Place Without Bolting, Deduct	-2.07	
05 53 13 00-0080 SF 3/4" x 3/16", 2.9 LB/SF, Aluminum, Riveted Grating.....	39.32	0.96
For 5/8" Clear Opening, Add	12.90	
For Powder Coating, Add	5.61	
For Set In Place Without Bolting, Deduct	-2.22	
05 53 13 00-0081 SF 1" x 1/8", 2.7 LB/SF, Aluminum, Riveted Grating.....	36.44	0.96
For 5/8" Clear Opening, Add	11.91	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	5.18	
For Set In Place Without Bolting, Deduct	-2.15	
05 53 13 00-0082 SF 1" x 3/16", 3.2 LB/SF, Aluminum, Riveted Grating.....	42.48	0.96
For 5/8" Clear Opening, Add	13.99	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	6.08	
For Set In Place Without Bolting, Deduct	-2.30	
05 53 13 00-0083 SF 1-1/4" x 1/8", 3.1 LB/SF, Aluminum, Riveted Grating.....	40.86	0.96
For 5/8" Clear Opening, Add	13.43	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	5.84	
For Set In Place Without Bolting, Deduct	-2.26	
05 53 13 00-0084 SF 1-1/4" x 3/16", 3.8 LB/SF, Aluminum, Riveted Grating.....	49.23	0.96
For 5/8" Clear Opening, Add	16.32	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	7.10	
For Set In Place Without Bolting, Deduct	-2.47	
05 53 13 00-0085 SF 1-1/2" x 1/8", 3.4 LB/SF, Aluminum, Riveted Grating.....	43.87	0.96
For 5/8" Clear Opening, Add	14.47	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	6.29	
For Set In Place Without Bolting, Deduct	-2.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0086 SF 1-1/2" x 3/16", 4.3 LB/SF, Aluminum, Riveted Grating.....	54.51	0.96
<i>For 5/8" Clear Opening, Add</i>	18.14	
<i>For Serrated Wear Surface, Add</i>	0.16	
<i>For Powder Coating, Add</i>	7.89	
<i>For Set In Place Without Bolting, Deduct</i>	-2.60	
05 53 13 00-0087 SF 1-3/4" x 3/16", 4.8 LB/SF, Aluminum, Riveted Grating.....	60.08	0.96
<i>For 5/8" Clear Opening, Add</i>	20.07	
<i>For Serrated Wear Surface, Add</i>	0.16	
<i>For Powder Coating, Add</i>	8.72	
<i>For Set In Place Without Bolting, Deduct</i>	-2.74	
05 53 13 00-0088 SF 2" x 3/16", 5.8 LB/SF, Aluminum, Riveted Grating.....	71.54	0.96
<i>For 5/8" Clear Opening, Add</i>	24.02	
<i>For Serrated Wear Surface, Add</i>	0.16	
<i>For Powder Coating, Add</i>	10.44	
<i>For Set In Place Without Bolting, Deduct</i>	-3.03	
05 53 13 00-0089 SF 2-1/4" x 3/16", 6.4 LB/SF, Aluminum, Riveted Grating.....	78.03	0.96
<i>For 5/8" Clear Opening, Add</i>	26.26	
<i>For Serrated Wear Surface, Add</i>	0.16	
<i>For Powder Coating, Add</i>	11.42	
<i>For Set In Place Without Bolting, Deduct</i>	-3.19	
05 53 13 00-0090 SF 2-1/2" x 3/16", 7.2 LB/SF, Aluminum, Riveted Grating.....	86.75	0.96
<i>For 5/8" Clear Opening, Add</i>	29.27	
<i>For Serrated Wear Surface, Add</i>	0.16	
<i>For Powder Coating, Add</i>	12.72	
<i>For Set In Place Without Bolting, Deduct</i>	-3.41	

05 53 16 Plank Gratings (05 53)

05 53 16 00-0001 Grate-Lock Steel Plank Grating (05 53 16)

Note: Smooth or traction grip surface.

05 53 16 00-0002 SF 1-1/2" Height, 18 Gauge Steel Grate-Lock Plank Grating.....	10.23	0.74
<i>For Stair Tread Application, Add</i>	1.25	
05 53 16 00-0003 SF 2-1/2" Height, 18 Gauge Steel Grate-Lock Plank Grating.....	11.00	0.91
<i>For Stair Tread Application, Add</i>	1.37	
05 53 16 00-0004 SF 3" Height, 18 Gauge Steel Grate-Lock Plank Grating.....	11.62	1.01
<i>For Stair Tread Application, Add</i>	1.46	
05 53 16 00-0005 SF 4" Height, 18 Gauge Steel Grate-Lock Plank Grating.....	12.69	1.09
<i>For Stair Tread Application, Add</i>	1.60	
05 53 16 00-0006 SF 1-1/2" Height, 16 Gauge Steel Grate-Lock Plank Grating.....	12.41	0.83
<i>For Stair Tread Application, Add</i>	1.49	
05 53 16 00-0007 SF 2-1/2" Height, 16 Gauge Steel Grate-Lock Plank Grating.....	13.28	1.01
<i>For Stair Tread Application, Add</i>	1.63	
05 53 16 00-0008 SF 1-1/2" Height, 14 Gauge Steel Grate-Lock Plank Grating.....	15.20	0.96
<i>For Stair Tread Application, Add</i>	1.81	
05 53 16 00-0009 SF 2-1/2" Height, 14 Gauge Steel Grate-Lock Plank Grating.....	16.28	1.18
<i>For Stair Tread Application, Add</i>	1.98	
05 53 16 00-0010 SF 3" Height, 14 Gauge Steel Grate-Lock Plank Grating.....	17.57	1.48
<i>For Stair Tread Application, Add</i>	2.20	
05 53 16 00-0011 SF 4" Height, 14 Gauge Steel Grate-Lock Plank Grating.....	19.40	1.65
<i>For Stair Tread Application, Add</i>	2.44	

05 54 Metal Floor Plates (05 50)

05 54 00 00-0001 Steel Floor Plates (05 54)

05 54 00 00-0002 SF 16 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	12.07	1.13
05 54 00 00-0003 SF 14 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	13.74	1.13
05 54 00 00-0004 SF 12 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	17.10	1.13
05 54 00 00-0005 SF 1/8" Steel Raised Or Diamond Pattern Floor Plates.....	22.82	1.22
05 54 00 00-0006 SF 1/4" Steel Raised Or Diamond Pattern Floor Plates.....	28.84	1.30

05 54 00 00-0007 Aluminum Alloy Floor Plates (05 54)

05 54 00 00-0008 SF 0.125" Aluminum Alloy Raised Or Diamond Pattern Floor Plate.....	17.21	0.96
<i>For Powder Coating, Add</i>	2.29	
05 54 00 00-0009 SF 0.188" Aluminum Alloy Raised Or Diamond Pattern Floor Plate.....	19.75	1.13
<i>For Powder Coating, Add</i>	2.64	
05 54 00 00-0010 SF 0.25" Aluminum Alloy Raised Or Diamond Pattern Floor Plate.....	22.29	1.22
<i>For Powder Coating, Add</i>	2.98	

05 54 00 00-0011 Type 304 Stainless Steel Floor Plates (05 54)

05 54 00 00-0012 SF 1/8" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate.....	27.01	1.30
05 54 00 00-0013 SF 3/16" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate.....	32.28	1.48
05 54 00 00-0014 SF 1/4" Type 304 Stainless Raised Or Diamond Pattern Steel Floor Plate.....	41.78	1.75

05 55 Metal Stair Treads And Nosings (05 50)

05 55 13 Metal Stair Treads (05 55)

05 55 13 00-0001 Abrasive Cast Aluminum Stair Treads (05 55 13)

Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.

05 Metals**05 50 Metal Fabrications****05 55 Metal Stair Treads And Nosings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 13 00-0002	LF		8" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread <i>For 3/8" Thick, Add</i>	43.10 8.65	5.31
05 55 13 00-0003	LF		9" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread <i>For 3/8" Thick, Add</i>	47.17 9.67	5.31
05 55 13 00-0004	LF		10" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread..... <i>For 3/8" Thick, Add</i>	51.22 10.68	5.31
05 55 13 00-0005	LF		11" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread..... <i>For 3/8" Thick, Add</i>	55.31 11.70	5.31
05 55 13 00-0006	LF		12" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread..... <i>For 3/8" Thick, Add</i>	59.35 12.71	5.31
05 55 13 00-0007			Abrasive Cast Iron Stair Treads <small>(05 55 13)</small> Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.		
05 55 13 00-0008	LF		8" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	58.88	5.31
05 55 13 00-0009	LF		9" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	64.90	5.31
05 55 13 00-0010	LF		10" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	70.94	5.31
05 55 13 00-0011	LF		11" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	76.96	5.31
05 55 13 00-0012	LF		12" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	83.00	5.31
05 55 13 00-0013			Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Treads <small>(05 55 13)</small> Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.		
05 55 13 00-0014	LF		6-1/2" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	24.08	5.31
05 55 13 00-0015	LF		9" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	27.76	5.31
05 55 13 00-0016	LF		11" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	29.39	5.31
05 55 13 00-0017			Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Treads <small>(05 55 13)</small> Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.		
05 55 13 00-0018	LF		8" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	34.25	5.31
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.56	
			<i>For Two Color Tread, Add</i>	1.92	
05 55 13 00-0019	LF		9" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	34.56	5.31
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.56	
			<i>For Two Color Tread, Add</i>	1.92	
05 55 13 00-0020	LF		11" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	41.18	5.31
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.56	
			<i>For Two Color Tread, Add</i>	1.92	
05 55 13 00-0021	LF		12" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	46.99	5.31
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.56	
			<i>For Two Color Tread, Add</i>	1.92	
05 55 13 00-0022	LF		15" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	54.56	5.31
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.56	
			<i>For Two Color Tread, Add</i>	1.92	
05 55 13 00-0023			Stair Landing Treads <small>(05 55 13)</small>		
05 55 13 00-0024			Abrasive Cast Aluminum Stair Landing Treads <small>(05 55 13 00-0023)</small> Note: Includes abrasive diamond pattern surface and anchors.		
05 55 13 00-0025	SF		5/16" Thick, Abrasive Cast Aluminum Landing Treads..... <i>For 3/8" Thick, Add</i>	59.35 12.71	5.31
05 55 13 00-0026			Abrasive Cast Iron Stair Landing Treads <small>(05 55 13 00-0023)</small> Note: Includes abrasive diamond pattern surface and anchors.		
05 55 13 00-0027	SF		3/8" Thick, Abrasive Cast Iron Landing Treads.....	83.00	5.31
05 55 13 00-0028			Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads <small>(05 55 13 00-0023)</small> Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 13 00-0029	SF		9/32" Thick, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads	55.23	5.31
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.56	
05 55 13 00-0030			Open Cast Iron Stair Tread <small>(05 55 13)</small> Note: Includes steel stringers, safety nosing and 2 pipe handrail. Excludes landings.		
05 55 13 00-0031	RSR		3'-6" Wide, Open Cast Iron Stair Tread..... <i>For Closed Riser, Add</i>	418.56 35.67	34.90
05 55 13 00-0032	RSR		4'-0" Wide, Open Cast Iron Stair Tread..... <i>For Closed Riser, Add</i>	472.44 40.14	40.14
05 55 13 00-0033	RSR		5'-0" Wide, Open Cast Iron Stair Tread..... <i>For Closed Riser, Add</i>	522.05 44.29	47.12

05 55 16 Metal Stair Nosings (05 55)



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 16 00-0001				Abrasive Cast Aluminum Nosings <small>(05 55 16)</small> Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0002	LF			3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing.....	18.93	3.62
				<i>For 3/8" Thick, Add</i>	3.28	
05 55 16 00-0003	LF			4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing.....	22.86	3.62
				<i>For 3/8" Thick, Add</i>	4.27	
05 55 16 00-0004	LF			6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing.....	31.61	3.62
				<i>For 3/8" Thick, Add</i>	6.45	
05 55 16 00-0005				Abrasive Cast Iron Nosings <small>(05 55 16)</small> Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0006	LF			3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing.....	21.80	3.62
				<i>For 3/8" Thick, Add</i>	4.00	
05 55 16 00-0007	LF			4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing.....	26.63	3.62
				<i>For 3/8" Thick, Add</i>	5.21	
05 55 16 00-0008	LF			6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing.....	36.19	3.62
				<i>For 3/8" Thick, Add</i>	7.60	
05 55 16 00-0009				Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosings <small>(05 55 16)</small> Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 16 00-0010	LF			1-7/8" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	16.27	3.62
05 55 16 00-0011	LF			3" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	18.17	3.62
05 55 16 00-0012	LF			4" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	19.61	3.62
05 55 16 00-0013	LF			6" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	24.10	3.62
05 55 16 00-0014	LF			1-7/8" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	16.78	3.62
05 55 16 00-0015	LF			3" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	18.40	3.62
05 55 16 00-0016	LF			4" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	19.99	3.62
05 55 16 00-0017	LF			3" Depth, 1/4" Thick, 1-3/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	19.02	3.62
05 56				Metal Castings <small>(05 50)</small>		
05 56 00 00-0001				Castings <small>(05 56)</small>		
05 56 00 00-0002	LB			Up To 150 LB, Miscellaneous Castings, Light Section	3.40	0.43
05 56 00 00-0003	LB			>150 LB, Miscellaneous Castings, Heavy Section.....	5.61	0.35
05 58				Formed Metal Fabrications <small>(05 50)</small>		
05 58 16				Formed Metal Enclosures <small>(05 58)</small>		
05 58 16 00-0001				Drip Pan <small>(05 58 16)</small>		
05 58 16 00-0002	SF			Stainless Steel Drip Pan	65.63	5.16
05 58 16 00-0003	SF			Galvanized Steel Drip Pan.....	64.86	5.16
05 58 16 00-0004	SF			Aluminum Drip Pan.....	45.79	4.13
05 58 16 00-0005	SF			Plastic Drip Pan.....	13.23	3.61
05 58 23				Formed Metal Guards <small>(05 58)</small>		
05 58 23 00-0001				Protective Guard Rails <small>(05 58 23)</small> Note: Includes painted finish.		
05 58 23 00-0002				2-Rib, 11 Gauge Steel, Protective Guard Rails <small>(05 58 23 00-0001)</small> Note: Steel King Armor Guard.		
05 58 23 00-0003				Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rails <small>(05 58 23 00-0002)</small> Note: Excludes posts. Includes fasteners.		
05 58 23 00-0004	EA			1' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	123.76	17.37
05 58 23 00-0005	EA			2' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	144.09	17.37
05 58 23 00-0006	EA			3' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	163.27	17.37
05 58 23 00-0007	EA			4' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	183.61	17.37
05 58 23 00-0008	EA			5' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	202.90	17.37
05 58 23 00-0009	EA			6' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	227.91	17.37
05 58 23 00-0010	EA			7' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	244.95	17.37
05 58 23 00-0011	EA			8' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	271.33	17.37
05 58 23 00-0012	EA			9' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	288.64	17.37
05 58 23 00-0013	EA			10' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	301.01	17.37
05 58 23 00-0014				Posts For 2-Rib Guard Rails <small>(05 58 23 00-0002)</small> Note: Includes drilling, surface mounting plate and anchors.		
05 58 23 00-0015	EA			12" Height, Single Rail Post For 2-Rib Guard Rails.....	252.65	36.19
05 58 23 00-0016	EA			42" Height, Triple Rail Post For 2-Rib Guard Rails.....	323.28	36.19
05 58 23 00-0017				3-Rib, 11 Gauge Steel, Protective Guard Rails <small>(05 58 23 00-0001)</small> Note: Steel King Steel Guard.		

05 Metals**05 50 Metal Fabrications****05 58 Formed Metal Fabrications**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 58 23 00-0018 Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0017)			
Note: Excludes posts. Includes fasteners.			
05 58 23 00-0019	EA 1' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	136.01	17.37
05 58 23 00-0020	EA 2' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	149.53	17.37
05 58 23 00-0021	EA 3' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	166.41	17.37
05 58 23 00-0022	EA 4' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	182.18	17.37
05 58 23 00-0023	EA 5' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	200.43	17.37
05 58 23 00-0024	EA 6' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	209.22	17.37
05 58 23 00-0025	EA 7' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	230.38	17.37
05 58 23 00-0026	EA 8' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	248.24	17.37
05 58 23 00-0027	EA 9' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	267.21	17.37
05 58 23 00-0028	EA 10' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	286.44	17.37

05 58 23 00-0029 Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0017)			
Note: Excludes posts. Includes fasteners and lift-out mounting plate.			
05 58 23 00-0030	EA 1' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	196.86	17.37
05 58 23 00-0031	EA 2' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	211.70	17.37
05 58 23 00-0032	EA 3' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	227.08	17.37
05 58 23 00-0033	EA 4' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	244.95	17.37
05 58 23 00-0034	EA 5' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	262.81	17.37
05 58 23 00-0035	EA 6' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	277.37	17.37
05 58 23 00-0036	EA 7' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	294.14	17.37
05 58 23 00-0037	EA 8' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	313.10	17.37
05 58 23 00-0038	EA 9' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	333.43	17.37
05 58 23 00-0039	EA 10' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	351.30	17.37

05 58 23 00-0040 Posts For 3-Rib Guard Rails (05 58 23 00-0017)			
Note: Includes drilling, surface mounting plate and anchors.			
05 58 23 00-0041	EA 18" Height, Single Rail Post For 3-Rib Guard Rails	224.51	36.19
05 58 23 00-0042	EA 42" Height, Double Rail Post For 3-Rib Guard Rails	281.78	36.19

05 58 23 00-0043 All-Welded, Protective Guards (05 58 23)			
Note: Surface mounted inverted-U style protective barriers. Includes painted finish, drilling, surface mounting plate and anchors.			

05 58 23 00-0044 All-Welded, Protective Guards (05 58 23 00-0043)			
05 58 23 00-0045	EA 36" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	293.54	48.25
05 58 23 00-0046	EA 48" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	307.28	48.25
05 58 23 00-0047	EA 36" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	315.24	48.25
05 58 23 00-0048	EA 48" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	327.06	48.25
05 58 23 00-0049	EA 36" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	324.31	48.25
05 58 23 00-0050	EA 48" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	338.88	48.25
05 58 23 00-0051	EA 36" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	343.00	48.25
05 58 23 00-0052	EA 48" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	347.67	48.25
05 58 23 00-0053	EA 48" Length, 42" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	369.93	48.25

05 58 23 00-0054 Corner Style, All-Welded, Protective Guards (05 58 23 00-0043)			
05 58 23 00-0055	EA 24" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	378.72	48.25
05 58 23 00-0056	EA 30" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	395.21	48.25
05 58 23 00-0057	EA 24" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	402.08	48.25
05 58 23 00-0058	EA 30" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	435.88	48.25

05 58 23 00-0059 Warehouse Safety Bollards (05 58 23)			
Note: Includes painted finish, drilling, surface mounting plate and anchors.			
05 58 23 00-0060	EA 24" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	189.43	36.19
05 58 23 00-0061	EA 36" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	216.58	36.19
05 58 23 00-0062	EA 42" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	245.33	36.19
05 58 23 00-0063	EA 36" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	253.19	36.19
05 58 23 00-0064	EA 42" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	271.32	36.19

05 59 Metal Specialties (05 50)**05 59 65 Metal Chain** (05 59)

05 59 65 00-0001 Alloy Steel Chain, Self Colored, Cut Length (05 59 65)			
Note: Includes all connecting links, double clevis mid-Links, slip or grab hooks, or shackles as required.			
05 59 65 00-0002	LF 3/16" Diameter Alloy Steel Chain, Cut Length, Self Colored	4.17	0.85
	For Plastic Dipped, Add	0.37	
05 59 65 00-0003	LF 1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	5.58	1.13
	For Plastic Dipped, Add	0.50	
05 59 65 00-0004	LF 3/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	8.99	2.24
	For Plastic Dipped, Add	0.67	
05 59 65 00-0005	LF 1/2" Diameter Alloy Steel Chain, Cut Length, Self Colored	14.49	3.79
	For Plastic Dipped, Add	1.04	
05 59 65 00-0006	LF 5/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	24.47	6.41
	For Plastic Dipped, Add	1.75	



Metals	05	05
Metal Fabrications	05 50	
Metal Specialties	05 59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 65 00-0007	LF		3/4" Diameter Alloy Steel Chain, Cut Length, Self Colored..... <i>For Plastic Dipped, Add</i>	34.34 2.45	9.00
05 59 65 00-0008	LF		7/8" Diameter Alloy Steel Chain, Cut Length, Self Colored..... <i>For Plastic Dipped, Add</i>	46.46 3.60	11.24
05 59 65 00-0009	LF		1" Diameter Alloy Steel Chain, Cut Length, Self Colored..... <i>For Plastic Dipped, Add</i>	66.75 5.51	14.99
05 59 65 00-0010	LF		1-1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored <i>For Plastic Dipped, Add</i>	107.88 9.44	22.49
05 59 69 Metal Panels <small>(05 59)</small>					
05 59 69 00-0001			Woven And Welded Wire Cloth <small>(05 59 69)</small> Note: Excludes frame and fastening to frame. See CSI section 05 12 23 00-0129 for spot welding.		
05 59 69 00-0002			Plain Steel Woven And Welded Wire Cloth Panels <small>(05 59 69 00-0001)</small>		
05 59 69 00-0003			2" Square Wire Spacing <small>(05 59 69 00-0002)</small>		
05 59 69 00-0004	SF		0.12" Thick Wire, 2" Spacing, 0.44 LB/SF Woven And Welded Wire Cloth Panels <i>For Up To 2, Add</i> <i>For >2 To 6, Add</i> <i>For >15 To 40, Deduct</i> <i>For >40, Deduct</i> <i>For Galvanized, Add</i> <i>For Aluminum, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	6.93 2.03 1.17 -0.19 -0.56 1.87 2.24 8.95 10.26	2.41
05 59 69 00-0005	SF		0.135" Thick Wire, 2" Spacing, 0.55 LB/SF Woven And Welded Wire Cloth Panels <i>For Up To 2, Add</i> <i>For >2 To 6, Add</i> <i>For >15 To 40, Deduct</i> <i>For >40, Deduct</i> <i>For Galvanized, Add</i> <i>For Aluminum, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	7.44 2.16 1.25 -0.21 -0.62 2.05 2.46 9.84 11.28	2.50
05 59 69 00-0006	SF		0.148" Thick Wire, 2" Spacing, 0.65 LB/SF Woven And Welded Wire Cloth Panels <i>For Up To 2, Add</i> <i>For >2 To 6, Add</i> <i>For >15 To 40, Deduct</i> <i>For >40, Deduct</i> <i>For Galvanized, Add</i> <i>For Aluminum, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	7.93 2.32 1.35 -0.21 -0.64 2.12 2.54 10.18 11.66	2.77
05 59 69 00-0007	SF		0.162" Thick Wire, 2" Spacing, 0.78 LB/SF Woven And Welded Wire Cloth Panels <i>For Up To 2, Add</i> <i>For >2 To 6, Add</i> <i>For >15 To 40, Deduct</i> <i>For >40, Deduct</i> <i>For Galvanized, Add</i> <i>For Aluminum, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	8.36 2.44 1.41 -0.23 -0.68 2.26 2.71 10.82 12.40	2.89
05 59 69 00-0008	SF		0.177" Thick Wire, 2" Spacing, 0.92 LB/SF Woven And Welded Wire Cloth Panels <i>For Up To 2, Add</i> <i>For >2 To 6, Add</i> <i>For >15 To 40, Deduct</i> <i>For >40, Deduct</i> <i>For Galvanized, Add</i> <i>For Aluminum, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	9.16 2.70 1.56 -0.24 -0.73 2.42 2.90 11.62 13.31	3.24
05 59 69 00-0009	SF		0.192" Thick Wire, 2" Spacing, 1.08 LB/SF Woven And Welded Wire Cloth Panels <i>For Up To 2, Add</i> <i>For >2 To 6, Add</i> <i>For >15 To 40, Deduct</i> <i>For >40, Deduct</i> <i>For Galvanized, Add</i> <i>For Aluminum, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	10.49 3.06 1.77 -0.28 -0.85 2.84 3.41 13.63 15.62	3.60
05 59 69 00-0010	SF		0.207" Thick Wire, 2" Spacing, 1.25 LB/SF Woven And Welded Wire Cloth Panels <i>For Up To 2, Add</i> <i>For >2 To 6, Add</i> <i>For >15 To 40, Deduct</i> <i>For >40, Deduct</i> <i>For Galvanized, Add</i> <i>For Aluminum, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	11.87 3.43 1.98 -0.33 -0.99 3.29 3.95 15.79 18.10	3.96



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0011	SF		0.225" Thick Wire, 2" Spacing, 1.46 LB/SF Woven And Welded Wire Cloth Panels.....	13.56	4.41
			For Up To 2, Add	3.89	
			For >2 To 6, Add	2.24	
			For >15 To 40, Deduct	-0.38	
			For >40, Deduct	-1.15	
			For Galvanized, Add	3.84	
			For Aluminum, Add	4.61	
			For 304 Stainless Steel, Add	18.43	
			For 316 Stainless Steel, Add	21.12	
05 59 69 00-0012			1-3/4" Square Wire Spacing (05 59 69 00-0002)		
05 59 69 00-0013	SF		0.12" Thick Wire, 1-3/4" Spacing, 0.49 LB/SF Woven And Welded Wire Cloth Panels	7.28	2.55
			For Up To 2, Add	2.13	
			For >2 To 6, Add	1.24	
			For >15 To 40, Deduct	-0.19	
			For >40, Deduct	-0.58	
			For Galvanized, Add	1.95	
			For Aluminum, Add	2.33	
			For 304 Stainless Steel, Add	9.34	
			For 316 Stainless Steel, Add	10.70	
05 59 69 00-0014	SF		0.135" Thick Wire, 1-3/4" Spacing, 0.62 LB/SF Woven And Welded Wire Cloth Panels	7.98	2.68
			For Up To 2, Add	2.31	
			For >2 To 6, Add	1.34	
			For >15 To 40, Deduct	-0.22	
			For >40, Deduct	-0.66	
			For Galvanized, Add	2.20	
			For Aluminum, Add	2.64	
			For 304 Stainless Steel, Add	10.56	
			For 316 Stainless Steel, Add	12.10	
05 59 69 00-0015	SF		0.148" Thick Wire, 1-3/4" Spacing, 0.74 LB/SF Woven And Welded Wire Cloth Panels	8.61	3.01
			For Up To 2, Add	2.53	
			For >2 To 6, Add	1.46	
			For >15 To 40, Deduct	-0.23	
			For >40, Deduct	-0.69	
			For Galvanized, Add	2.30	
			For Aluminum, Add	2.75	
			For 304 Stainless Steel, Add	11.02	
			For 316 Stainless Steel, Add	12.62	
05 59 69 00-0016	SF		0.162" Thick Wire, 1-3/4" Spacing, 0.88 LB/SF Woven And Welded Wire Cloth Panels	8.98	3.10
			For Up To 2, Add	2.62	
			For >2 To 6, Add	1.52	
			For >15 To 40, Deduct	-0.24	
			For >40, Deduct	-0.73	
			For Galvanized, Add	2.42	
			For Aluminum, Add	2.90	
			For 304 Stainless Steel, Add	11.62	
			For 316 Stainless Steel, Add	13.31	
05 59 69 00-0017	SF		0.177" Thick Wire, 1-3/4" Spacing, 1.04 LB/SF Woven And Welded Wire Cloth Panels	9.85	3.48
			For Up To 2, Add	2.90	
			For >2 To 6, Add	1.68	
			For >15 To 40, Deduct	-0.26	
			For >40, Deduct	-0.78	
			For Galvanized, Add	2.61	
			For Aluminum, Add	3.13	
			For 304 Stainless Steel, Add	12.50	
			For 316 Stainless Steel, Add	14.33	
05 59 69 00-0018	SF		0.192" Thick Wire, 1-3/4" Spacing, 1.22 LB/SF Woven And Welded Wire Cloth Panels	11.29	3.88
			For Up To 2, Add	3.29	
			For >2 To 6, Add	1.91	
			For >15 To 40, Deduct	-0.31	
			For >40, Deduct	-0.92	
			For Galvanized, Add	3.06	
			For Aluminum, Add	3.67	
			For 304 Stainless Steel, Add	14.66	
			For 316 Stainless Steel, Add	16.80	
05 59 69 00-0019	SF		0.207" Thick Wire, 1-3/4" Spacing, 1.41 LB/SF Woven And Welded Wire Cloth Panels	12.75	4.27
			For Up To 2, Add	3.69	
			For >2 To 6, Add	2.13	
			For >15 To 40, Deduct	-0.35	
			For >40, Deduct	-1.06	
			For Galvanized, Add	3.53	
			For Aluminum, Add	4.24	
			For 304 Stainless Steel, Add	16.94	
			For 316 Stainless Steel, Add	19.42	
05 59 69 00-0020	SF		0.225" Thick Wire, 1-3/4" Spacing, 1.65 LB/SF Woven And Welded Wire Cloth Panels	14.59	4.74
			For Up To 2, Add	4.18	
			For >2 To 6, Add	2.41	
			For >15 To 40, Deduct	-0.41	
			For >40, Deduct	-1.24	
			For Galvanized, Add	4.14	
			For Aluminum, Add	4.96	
			For 304 Stainless Steel, Add	19.85	
			For 316 Stainless Steel, Add	22.74	



Metals	05	05
Metal Fabrications	05 50	
Metal Specialties	05 59	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0021 1-1/2" Square Wire Spacing <small>(05 59 69 00-0002)</small>		
05 59 69 00-0022 SF 0.12" Thick Wire, 1-1/2" Spacing, 0.57 LB/SF Woven And Welded Wire Cloth Panels	8.06	2.83
For Up To 2, Add	2.36	
For >2 To 6, Add	1.37	
For >15 To 40, Deduct	-0.22	
For >40, Deduct	-0.65	
For Galvanized, Add	2.15	
For Aluminum, Add	2.58	
For 304 Stainless Steel, Add	10.32	
For 316 Stainless Steel, Add	11.83	
05 59 69 00-0023 SF 0.135" Thick Wire, 1-1/2" Spacing, 0.72 LB/SF Woven And Welded Wire Cloth Panels	8.82	2.97
For Up To 2, Add	2.55	
For >2 To 6, Add	1.47	
For >15 To 40, Deduct	-0.24	
For >40, Deduct	-0.73	
For Galvanized, Add	2.44	
For Aluminum, Add	2.92	
For 304 Stainless Steel, Add	11.69	
For 316 Stainless Steel, Add	13.39	
05 59 69 00-0024 SF 0.148" Thick Wire, 1-1/2" Spacing, 0.85 LB/SF Woven And Welded Wire Cloth Panels	9.42	3.29
For Up To 2, Add	2.76	
For >2 To 6, Add	1.60	
For >15 To 40, Deduct	-0.25	
For >40, Deduct	-0.75	
For Galvanized, Add	2.52	
For Aluminum, Add	3.02	
For 304 Stainless Steel, Add	12.07	
For 316 Stainless Steel, Add	13.83	
05 59 69 00-0025 SF 0.162" Thick Wire, 1-1/2" Spacing, 1.02 LB/SF Woven And Welded Wire Cloth Panels	9.92	3.43
For Up To 2, Add	2.90	
For >2 To 6, Add	1.68	
For >15 To 40, Deduct	-0.27	
For >40, Deduct	-0.80	
For Galvanized, Add	2.68	
For Aluminum, Add	3.21	
For 304 Stainless Steel, Add	12.84	
For 316 Stainless Steel, Add	14.71	
05 59 69 00-0026 SF 0.177" Thick Wire, 1-1/2" Spacing, 1.2 LB/SF Woven And Welded Wire Cloth Panels	10.84	3.83
For Up To 2, Add	3.19	
For >2 To 6, Add	1.85	
For >15 To 40, Deduct	-0.29	
For >40, Deduct	-0.86	
For Galvanized, Add	2.87	
For Aluminum, Add	3.44	
For 304 Stainless Steel, Add	13.75	
For 316 Stainless Steel, Add	15.76	
05 59 69 00-0027 SF 0.192" Thick Wire, 1-1/2" Spacing, 1.4 LB/SF Woven And Welded Wire Cloth Panels	12.34	4.25
For Up To 2, Add	3.60	
For >2 To 6, Add	2.08	
For >15 To 40, Deduct	-0.33	
For >40, Deduct	-1.00	
For Galvanized, Add	3.34	
For Aluminum, Add	4.01	
For 304 Stainless Steel, Add	16.03	
For 316 Stainless Steel, Add	18.37	
05 59 69 00-0028 SF 0.207" Thick Wire, 1-1/2" Spacing, 1.62 LB/SF Woven And Welded Wire Cloth Panels	13.95	4.67
For Up To 2, Add	4.03	
For >2 To 6, Add	2.33	
For >15 To 40, Deduct	-0.39	
For >40, Deduct	-1.16	
For Galvanized, Add	3.87	
For Aluminum, Add	4.64	
For 304 Stainless Steel, Add	18.55	
For 316 Stainless Steel, Add	21.26	
05 59 69 00-0029 SF 0.225" Thick Wire, 1-1/2" Spacing, 1.89 LB/SF Woven And Welded Wire Cloth Panels	15.91	5.17
For Up To 2, Add	4.56	
For >2 To 6, Add	2.62	
For >15 To 40, Deduct	-0.45	
For >40, Deduct	-1.35	
For Galvanized, Add	4.51	
For Aluminum, Add	5.41	
For 304 Stainless Steel, Add	21.65	
For 316 Stainless Steel, Add	24.81	
05 59 69 00-0030 1-1/4" Square Wire Spacing <small>(05 59 69 00-0002)</small>		
05 59 69 00-0031 SF 0.105" Thick Wire, 1-1/4" Spacing, 0.52 LB/SF Woven And Welded Wire Cloth Panels	8.30	3.05
For Up To 2, Add	2.48	
For >2 To 6, Add	1.44	
For >15 To 40, Deduct	-0.21	
For >40, Deduct	-0.63	
For Galvanized, Add	2.11	
For Aluminum, Add	2.53	
For 304 Stainless Steel, Add	10.13	
For 316 Stainless Steel, Add	11.61	

05	Metals
05 50	Metal Fabrications
05 59	Metal Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0032 SF 0.12" Thick Wire, 1-1/4" Spacing, 0.68 LB/SF Woven And Welded Wire Cloth Panels	8.95	3.20
For Up To 2, Add	2.65	
For >2 To 6, Add	1.54	
For >15 To 40, Deduct	-0.23	
For >40, Deduct	-0.70	
For Galvanized, Add	2.34	
For Aluminum, Add	2.80	
For 304 Stainless Steel, Add	11.21	
For 316 Stainless Steel, Add	12.84	
05 59 69 00-0033 SF 0.135" Thick Wire, 1-1/4" Spacing, 0.85 LB/SF Woven And Welded Wire Cloth Panels	9.67	3.34
For Up To 2, Add	2.82	
For >2 To 6, Add	1.63	
For >15 To 40, Deduct	-0.26	
For >40, Deduct	-0.78	
For Galvanized, Add	2.61	
For Aluminum, Add	3.13	
For 304 Stainless Steel, Add	12.53	
For 316 Stainless Steel, Add	14.36	
05 59 69 00-0034 SF 0.148" Thick Wire, 1-1/4" Spacing, 1.01 LB/SF Woven And Welded Wire Cloth Panels	9.96	3.40
For Up To 2, Add	2.90	
For >2 To 6, Add	1.68	
For >15 To 40, Deduct	-0.27	
For >40, Deduct	-0.81	
For Galvanized, Add	2.72	
For Aluminum, Add	3.26	
For 304 Stainless Steel, Add	13.03	
For 316 Stainless Steel, Add	14.93	
05 59 69 00-0035 SF 0.162" Thick Wire, 1-1/4" Spacing, 1.2 LB/SF Woven And Welded Wire Cloth Panels	10.84	3.84
For Up To 2, Add	3.19	
For >2 To 6, Add	1.85	
For >15 To 40, Deduct	-0.29	
For >40, Deduct	-0.86	
For Galvanized, Add	2.86	
For Aluminum, Add	3.43	
For 304 Stainless Steel, Add	13.73	
For 316 Stainless Steel, Add	15.73	
05 59 69 00-0036 SF 0.177" Thick Wire, 1-1/4" Spacing, 1.42 LB/SF Woven And Welded Wire Cloth Panels	12.21	4.32
For Up To 2, Add	3.59	
For >2 To 6, Add	2.09	
For >15 To 40, Deduct	-0.32	
For >40, Deduct	-0.97	
For Galvanized, Add	3.23	
For Aluminum, Add	3.87	
For 304 Stainless Steel, Add	15.48	
For 316 Stainless Steel, Add	17.74	
05 59 69 00-0037 SF 0.192" Thick Wire, 1-1/4" Spacing, 1.65 LB/SF Woven And Welded Wire Cloth Panels	13.85	4.77
For Up To 2, Add	4.04	
For >2 To 6, Add	2.34	
For >15 To 40, Deduct	-0.38	
For >40, Deduct	-1.13	
For Galvanized, Add	3.75	
For Aluminum, Add	4.50	
For 304 Stainless Steel, Add	18.00	
For 316 Stainless Steel, Add	20.63	
05 59 69 00-0038 SF 0.207" Thick Wire, 1-1/4" Spacing, 1.9 LB/SF Woven And Welded Wire Cloth Panels	15.57	5.21
For Up To 2, Add	4.50	
For >2 To 6, Add	2.60	
For >15 To 40, Deduct	-0.43	
For >40, Deduct	-1.29	
For Galvanized, Add	4.32	
For Aluminum, Add	5.18	
For 304 Stainless Steel, Add	20.71	
For 316 Stainless Steel, Add	23.73	
05 59 69 00-0039 SF 0.225" Thick Wire, 1-1/4" Spacing, 2.22 LB/SF Woven And Welded Wire Cloth Panels	17.80	5.79
For Up To 2, Add	5.10	
For >2 To 6, Add	2.94	
For >15 To 40, Deduct	-0.50	
For >40, Deduct	-1.51	
For Galvanized, Add	5.05	
For Aluminum, Add	6.05	
For 304 Stainless Steel, Add	24.22	
For 316 Stainless Steel, Add	27.75	
05 59 69 00-0040 1" Square Wire Spacing (05 59 69 00-0002)		
05 59 69 00-0041 SF 0.105" Thick Wire, 1" Spacing, 0.64 LB/SF Woven And Welded Wire Cloth Panels	9.49	3.58
For Up To 2, Add	2.85	
For >2 To 6, Add	1.66	
For >15 To 40, Deduct	-0.24	
For >40, Deduct	-0.71	
For Galvanized, Add	2.36	
For Aluminum, Add	2.83	
For 304 Stainless Steel, Add	11.33	
For 316 Stainless Steel, Add	12.98	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0042	SF		0.12" Thick Wire, 1" Spacing, 0.83 LB/SF Woven And Welded Wire Cloth Panels	10.14	3.72
			<i>For Up To 2, Add</i>	3.02	
			<i>For >2 To 6, Add</i>	1.76	
			<i>For >15 To 40, Deduct</i>	-0.26	
			<i>For >40, Deduct</i>	-0.78	
			<i>For Galvanized, Add</i>	2.59	
			<i>For Aluminum, Add</i>	3.11	
			<i>For 304 Stainless Steel, Add</i>	12.43	
			<i>For 316 Stainless Steel, Add</i>	14.25	
05 59 69 00-0043	SF		0.135" Thick Wire, 1" Spacing, 1.04 LB/SF Woven And Welded Wire Cloth Panels	10.57	3.88
			<i>For Up To 2, Add</i>	3.15	
			<i>For >2 To 6, Add</i>	1.84	
			<i>For >15 To 40, Deduct</i>	-0.27	
			<i>For >40, Deduct</i>	-0.81	
			<i>For Galvanized, Add</i>	2.69	
			<i>For Aluminum, Add</i>	3.23	
			<i>For 304 Stainless Steel, Add</i>	12.91	
			<i>For 316 Stainless Steel, Add</i>	14.80	
05 59 69 00-0044	SF		0.148" Thick Wire, 1" Spacing, 1.23 LB/SF Woven And Welded Wire Cloth Panels	11.27	3.94
			<i>For Up To 2, Add</i>	3.31	
			<i>For >2 To 6, Add</i>	1.92	
			<i>For >15 To 40, Deduct</i>	-0.30	
			<i>For >40, Deduct</i>	-0.90	
			<i>For Galvanized, Add</i>	3.01	
			<i>For Aluminum, Add</i>	3.61	
			<i>For 304 Stainless Steel, Add</i>	14.42	
			<i>For 316 Stainless Steel, Add</i>	16.53	
05 59 69 00-0045	SF		0.162" Thick Wire, 1" Spacing, 1.46 LB/SF Woven And Welded Wire Cloth Panels	12.55	4.45
			<i>For Up To 2, Add</i>	3.70	
			<i>For >2 To 6, Add</i>	2.14	
			<i>For >15 To 40, Deduct</i>	-0.33	
			<i>For >40, Deduct</i>	-0.99	
			<i>For Galvanized, Add</i>	3.31	
			<i>For Aluminum, Add</i>	3.97	
			<i>For 304 Stainless Steel, Add</i>	15.89	
			<i>For 316 Stainless Steel, Add</i>	18.21	
05 59 69 00-0046	SF		0.177" Thick Wire, 1" Spacing, 1.72 LB/SF Woven And Welded Wire Cloth Panels	14.08	4.97
			<i>For Up To 2, Add</i>	4.14	
			<i>For >2 To 6, Add</i>	2.40	
			<i>For >15 To 40, Deduct</i>	-0.37	
			<i>For >40, Deduct</i>	-1.12	
			<i>For Galvanized, Add</i>	3.72	
			<i>For Aluminum, Add</i>	4.46	
			<i>For 304 Stainless Steel, Add</i>	17.86	
			<i>For 316 Stainless Steel, Add</i>	20.46	
05 59 69 00-0047	SF		0.192" Thick Wire, 1" Spacing, 2.01 LB/SF Woven And Welded Wire Cloth Panels	16.07	5.52
			<i>For Up To 2, Add</i>	4.69	
			<i>For >2 To 6, Add</i>	2.71	
			<i>For >15 To 40, Deduct</i>	-0.44	
			<i>For >40, Deduct</i>	-1.31	
			<i>For Galvanized, Add</i>	4.35	
			<i>For Aluminum, Add</i>	5.22	
			<i>For 304 Stainless Steel, Add</i>	20.88	
			<i>For 316 Stainless Steel, Add</i>	23.93	
05 59 69 00-0048	SF		0.207" Thick Wire, 1" Spacing, 2.31 LB/SF Woven And Welded Wire Cloth Panels	18.04	6.04
			<i>For Up To 2, Add</i>	5.22	
			<i>For >2 To 6, Add</i>	3.01	
			<i>For >15 To 40, Deduct</i>	-0.50	
			<i>For >40, Deduct</i>	-1.50	
			<i>For Galvanized, Add</i>	5.00	
			<i>For Aluminum, Add</i>	6.00	
			<i>For 304 Stainless Steel, Add</i>	24.00	
			<i>For 316 Stainless Steel, Add</i>	27.50	
05 59 69 00-0049	SF		0.225" Thick Wire, 1" Spacing, 2.69 LB/SF Woven And Welded Wire Cloth Panels	20.54	6.67
			<i>For Up To 2, Add</i>	5.89	
			<i>For >2 To 6, Add</i>	3.39	
			<i>For >15 To 40, Deduct</i>	-0.58	
			<i>For >40, Deduct</i>	-1.75	
			<i>For Galvanized, Add</i>	5.82	
			<i>For Aluminum, Add</i>	6.98	
			<i>For 304 Stainless Steel, Add</i>	27.94	
			<i>For 316 Stainless Steel, Add</i>	32.01	
05 59 69 00-0050			3/4" Square Wire Spacing <small>(05 59 69 00-0002)</small>		
05 59 69 00-0051	SF		0.105" Thick Wire, 3/4" Spacing, 0.83 LB/SF Woven And Welded Wire Cloth Panels	9.59	3.57
			<i>For Up To 2, Add</i>	2.87	
			<i>For >2 To 6, Add</i>	1.67	
			<i>For >15 To 40, Deduct</i>	-0.24	
			<i>For >40, Deduct</i>	-0.72	
			<i>For Galvanized, Add</i>	2.42	
			<i>For Aluminum, Add</i>	2.90	
			<i>For 304 Stainless Steel, Add</i>	11.59	
			<i>For 316 Stainless Steel, Add</i>	13.28	

05	Metals
05 50	Metal Fabrications
05 59	Metal Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0052	SF		0.12" Thick Wire, 3/4" Spacing, 1.07 LB/SF Woven And Welded Wire Cloth Panels.....	10.71	4.01
			For Up To 2, Add	3.21	
			For >2 To 6, Add	1.87	
			For >15 To 40, Deduct	-0.27	
			For >40, Deduct	-0.81	
			For Galvanized, Add	2.69	
			For Aluminum, Add	3.23	
			For 304 Stainless Steel, Add	12.91	
			For 316 Stainless Steel, Add	14.80	
05 59 69 00-0053	SF		0.135" Thick Wire, 3/4" Spacing, 1.33 LB/SF Woven And Welded Wire Cloth Panels.....	11.88	4.53
			For Up To 2, Add	3.58	
			For >2 To 6, Add	2.09	
			For >15 To 40, Deduct	-0.29	
			For >40, Deduct	-0.88	
			For Galvanized, Add	2.93	
			For Aluminum, Add	3.51	
			For 304 Stainless Steel, Add	14.04	
			For 316 Stainless Steel, Add	16.09	
05 59 69 00-0054	SF		0.148" Thick Wire, 3/4" Spacing, 1.58 LB/SF Woven And Welded Wire Cloth Panels.....	12.83	4.82
			For Up To 2, Add	3.85	
			For >2 To 6, Add	2.25	
			For >15 To 40, Deduct	-0.32	
			For >40, Deduct	-0.96	
			For Galvanized, Add	3.20	
			For Aluminum, Add	3.84	
			For 304 Stainless Steel, Add	15.36	
			For 316 Stainless Steel, Add	17.60	
05 59 69 00-0055	SF		0.162" Thick Wire, 3/4" Spacing, 1.87 LB/SF Woven And Welded Wire Cloth Panels.....	14.81	5.42
			For Up To 2, Add	4.41	
			For >2 To 6, Add	2.57	
			For >15 To 40, Deduct	-0.38	
			For >40, Deduct	-1.14	
			For Galvanized, Add	3.79	
			For Aluminum, Add	4.54	
			For 304 Stainless Steel, Add	18.17	
			For 316 Stainless Steel, Add	20.82	
05 59 69 00-0056	SF		0.177" Thick Wire, 3/4" Spacing, 2.2 LB/SF Woven And Welded Wire Cloth Panels.....	17.00	6.06
			For Up To 2, Add	5.02	
			For >2 To 6, Add	2.91	
			For >15 To 40, Deduct	-0.45	
			For >40, Deduct	-1.34	
			For Galvanized, Add	4.46	
			For Aluminum, Add	5.35	
			For 304 Stainless Steel, Add	21.38	
			For 316 Stainless Steel, Add	24.50	
05 59 69 00-0057	SF		0.192" Thick Wire, 3/4" Spacing, 2.56 LB/SF Woven And Welded Wire Cloth Panels.....	19.31	6.70
			For Up To 2, Add	5.65	
			For >2 To 6, Add	3.27	
			For >15 To 40, Deduct	-0.52	
			For >40, Deduct	-1.56	
			For Galvanized, Add	5.19	
			For Aluminum, Add	6.22	
			For 304 Stainless Steel, Add	24.89	
			For 316 Stainless Steel, Add	28.52	
05 59 69 00-0058	SF		0.207" Thick Wire, 3/4" Spacing, 2.93 LB/SF Woven And Welded Wire Cloth Panels.....	21.57	7.29
			For Up To 2, Add	6.26	
			For >2 To 6, Add	3.61	
			For >15 To 40, Deduct	-0.59	
			For >40, Deduct	-1.78	
			For Galvanized, Add	5.93	
			For Aluminum, Add	7.12	
			For 304 Stainless Steel, Add	28.46	
			For 316 Stainless Steel, Add	32.62	
05 59 69 00-0059	SF		0.225" Thick Wire, 3/4" Spacing, 3.41 LB/SF Woven And Welded Wire Cloth Panels.....	24.55	8.06
			For Up To 2, Add	7.06	
			For >2 To 6, Add	4.07	
			For >15 To 40, Deduct	-0.69	
			For >40, Deduct	-2.07	
			For Galvanized, Add	6.91	
			For Aluminum, Add	8.29	
			For 304 Stainless Steel, Add	33.14	
			For 316 Stainless Steel, Add	37.98	
05 59 69 00-0060			1/2" Square Wire Spacing <small>(05 59 69 00-0002)</small>		
05 59 69 00-0061	SF		0.105" Thick Wire, 1/2" Spacing, 1.18 LB/SF Woven And Welded Wire Cloth Panels.....	10.03	3.82
			For Up To 2, Add	3.02	
			For >2 To 6, Add	1.77	
			For >15 To 40, Deduct	-0.25	
			For >40, Deduct	-0.74	
			For Galvanized, Add	2.47	
			For Aluminum, Add	2.96	
			For 304 Stainless Steel, Add	11.86	
			For 316 Stainless Steel, Add	13.59	



Metals	05	05
Metal Fabrications	05 50	
Metal Specialties	05 59	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0062 SF 0.12" Thick Wire, 1/2" Spacing, 1.51 LB/SF Woven And Welded Wire Cloth Panels	11.79	4.64
For Up To 2, Add	3.60	
For >2 To 6, Add	2.11	
For >15 To 40, Deduct	-0.28	
For >40, Deduct	-0.84	
For Galvanized, Add	2.80	
For Aluminum, Add	3.35	
For 304 Stainless Steel, Add	13.42	
For 316 Stainless Steel, Add	15.37	
05 59 69 00-0063 SF 0.135" Thick Wire, 1/2" Spacing, 1.88 LB/SF Woven And Welded Wire Cloth Panels	14.22	5.49
For Up To 2, Add	4.31	
For >2 To 6, Add	2.52	
For >15 To 40, Deduct	-0.34	
For >40, Deduct	-1.03	
For Galvanized, Add	3.45	
For Aluminum, Add	4.13	
For 304 Stainless Steel, Add	16.54	
For 316 Stainless Steel, Add	18.95	
05 59 69 00-0064 SF 0.148" Thick Wire, 1/2" Spacing, 2.22 LB/SF Woven And Welded Wire Cloth Panels	16.36	6.16
For Up To 2, Add	4.92	
For >2 To 6, Add	2.87	
For >15 To 40, Deduct	-0.41	
For >40, Deduct	-1.22	
For Galvanized, Add	4.07	
For Aluminum, Add	4.88	
For 304 Stainless Steel, Add	19.54	
For 316 Stainless Steel, Add	22.39	
05 59 69 00-0065 SF 0.162" Thick Wire, 1/2" Spacing, 2.61 LB/SF Woven And Welded Wire Cloth Panels	18.75	6.88
For Up To 2, Add	5.59	
For >2 To 6, Add	3.25	
For >15 To 40, Deduct	-0.48	
For >40, Deduct	-1.44	
For Galvanized, Add	4.79	
For Aluminum, Add	5.74	
For 304 Stainless Steel, Add	22.97	
For 316 Stainless Steel, Add	26.32	
05 59 69 00-0066 SF 0.177" Thick Wire, 1/2" Spacing, 3.06 LB/SF Woven And Welded Wire Cloth Panels	21.44	7.67
For Up To 2, Add	6.33	
For >2 To 6, Add	3.68	
For >15 To 40, Deduct	-0.56	
For >40, Deduct	-1.68	
For Galvanized, Add	5.61	
For Aluminum, Add	6.73	
For 304 Stainless Steel, Add	26.93	
For 316 Stainless Steel, Add	30.86	
05 59 69 00-0067 SF 0.192" Thick Wire, 1/2" Spacing, 3.54 LB/SF Woven And Welded Wire Cloth Panels	24.20	8.43
For Up To 2, Add	7.09	
For >2 To 6, Add	4.10	
For >15 To 40, Deduct	-0.65	
For >40, Deduct	-1.95	
For Galvanized, Add	6.49	
For Aluminum, Add	7.78	
For 304 Stainless Steel, Add	31.13	
For 316 Stainless Steel, Add	35.67	
05 59 69 00-0068 SF 0.207" Thick Wire, 1/2" Spacing, 4.04 LB/SF Woven And Welded Wire Cloth Panels	26.99	9.14
For Up To 2, Add	7.83	
For >2 To 6, Add	4.53	
For >15 To 40, Deduct	-0.74	
For >40, Deduct	-2.22	
For Galvanized, Add	7.41	
For Aluminum, Add	8.89	
For 304 Stainless Steel, Add	35.54	
For 316 Stainless Steel, Add	40.73	
05 59 69 00-0069 SF 0.225" Thick Wire, 1/2" Spacing, 4.68 LB/SF Woven And Welded Wire Cloth Panels	28.21	10.05
For Up To 2, Add	8.32	
For >2 To 6, Add	4.83	
For >15 To 40, Deduct	-0.74	
For >40, Deduct	-2.22	
For Galvanized, Add	7.41	
For Aluminum, Add	8.89	
For 304 Stainless Steel, Add	35.54	
For 316 Stainless Steel, Add	40.73	
05 59 69 00-0070 Expanded Metal Panels <small>(05 59 69)</small>		
Note: Excludes frame and fastening to frame. See CSI section 05 12 23 00-0129 for spot welding.		
05 59 69 00-0071 Plain Flattened Expanded Metal Diamond Shape Panels <small>(05 59 69 00-0070)</small>		
Note: Excludes frame and fastening to frame. See CSI section 05 12 23 00-0129 for spot welding.		
05 59 69 00-0072 SF 1/4" #20-F Plain Expanded Metal Panel, 0.82 LB/SF	8.94	3.29
For Galvanized, Add	2.28	
For Aluminum, Add	2.73	
For 304 Stainless Steel, Add	10.92	
For 316 Stainless Steel, Add	12.51	

05	Metals
05 50	Metal Fabrications
05 59	Metal Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0073 SF 1/4" #18-F Plain Expanded Metal Panel, 1.08 LB/SF	11.24	3.60
For Galvanized, Add	3.22	
For Aluminum, Add	3.86	
For 304 Stainless Steel, Add	15.43	
For 316 Stainless Steel, Add	17.68	
05 59 69 00-0074 SF 1/2" #20-F Plain Expanded Metal Panel, 0.40 LB/SF	6.44	2.55
For Galvanized, Add	1.53	
For Aluminum, Add	1.83	
For 304 Stainless Steel, Add	7.32	
For 316 Stainless Steel, Add	8.39	
05 59 69 00-0075 SF 1/2" #18-F Plain Expanded Metal Panel, 0.66 LB/SF	7.03	2.77
For Galvanized, Add	1.67	
For Aluminum, Add	2.00	
For 304 Stainless Steel, Add	8.02	
For 316 Stainless Steel, Add	9.19	
05 59 69 00-0076 SF 1/2" #16-F Plain Expanded Metal Panel, 0.82 LB/SF	7.96	3.29
For Galvanized, Add	1.79	
For Aluminum, Add	2.14	
For 304 Stainless Steel, Add	8.57	
For 316 Stainless Steel, Add	9.82	
05 59 69 00-0077 SF 1/2" #13-F Plain Expanded Metal Panel, 1.4 LB/SF	10.20	4.25
For Galvanized, Add	2.27	
For Aluminum, Add	2.72	
For 304 Stainless Steel, Add	10.90	
For 316 Stainless Steel, Add	12.49	
05 59 69 00-0078 SF 3/4" #16-F Plain Expanded Metal Panel, 0.51 LB/SF	5.62	2.50
For Galvanized, Add	1.14	
For Aluminum, Add	1.37	
For 304 Stainless Steel, Add	5.47	
For 316 Stainless Steel, Add	6.27	
05 59 69 00-0079 SF 3/4" #14-F Plain Expanded Metal Panel, 0.63 LB/SF	6.29	2.68
For Galvanized, Add	1.36	
For Aluminum, Add	1.63	
For 304 Stainless Steel, Add	6.50	
For 316 Stainless Steel, Add	7.45	
05 59 69 00-0080 SF 3/4" #13-F Plain Expanded Metal Panel, 0.75 LB/SF	7.19	3.01
For Galvanized, Add	1.59	
For Aluminum, Add	1.90	
For 304 Stainless Steel, Add	7.61	
For 316 Stainless Steel, Add	8.72	
05 59 69 00-0081 SF 3/4" #9-F Plain Expanded Metal Panel, 1.71 LB/SF	11.33	4.97
For Galvanized, Add	2.35	
For Aluminum, Add	2.81	
For 304 Stainless Steel, Add	11.26	
For 316 Stainless Steel, Add	12.90	
05 59 69 00-0082 SF 1" #16-F Plain Expanded Metal Panel, 0.41 LB/SF	6.29	3.05
For Galvanized, Add	1.11	
For Aluminum, Add	1.33	
For 304 Stainless Steel, Add	5.30	
For 316 Stainless Steel, Add	6.08	
05 59 69 00-0083 SF 1-1/2" #16-F Plain Expanded Metal Panel, 0.38 LB/SF	5.42	2.41
For Galvanized, Add	1.11	
For Aluminum, Add	1.33	
For 304 Stainless Steel, Add	5.33	
For 316 Stainless Steel, Add	6.11	
05 59 69 00-0084 SF 1-1/2" #13-F Plain Expanded Metal Panel, 0.57 LB/SF	6.26	2.83
For Galvanized, Add	1.25	
For Aluminum, Add	1.50	
For 304 Stainless Steel, Add	6.00	
For 316 Stainless Steel, Add	6.88	
05 59 69 00-0085 SF 1-1/2" #9-F Plain Expanded Metal Panel, 1.14 LB/SF	9.70	3.82
For Galvanized, Add	2.31	
For Aluminum, Add	2.77	
For 304 Stainless Steel, Add	11.06	
For 316 Stainless Steel, Add	12.68	

05 70 Decorative Metal ⁽⁰⁵⁾

Note: Includes anchors and related accessories.

05 71 Decorative Metal Stairs ^(05 70)

05 71 13 Fabricated Metal Spiral Stairs ^(05 71)

Note: Includes factory prime.

05 71 13 00-0001 Spiral Stairs, Stock Units ^(05 71 13)

Note: Includes factory prime.

05 71 13 00-0002 Steel Tread ^(05 71 13 00-0001)

05 71 13 00-0003 VLF 3'-6" Diameter, Spiral Steel Stair With Rails.....	286.44	43.62
For Galvanized, Add	139.43	
05 71 13 00-0004 VLF 4' Diameter, Spiral Steel Stair With Rails.....	325.27	47.99
For Galvanized, Add	160.50	
05 71 13 00-0005 VLF 4'-6" Diameter, Spiral Steel Stair With Rails.....	359.48	52.35
For Galvanized, Add	178.34	



Metals	05	05
Decorative Metal	05 70	
Decorative Metal Stairs	05 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 71 13 00-0006 VLF 5' Diameter, Spiral Steel Stair With Rails..... <i>For Galvanized, Add</i>	385.57 190.50	56.72
 05 73 Decorative Metal Railings <small>(05 70)</small>		
Note: Factory primed. Includes brackets.		
05 73 23 Decorative Metal Railings <small>(05 73)</small>		
05 73 23 00-0001 Railings; Vertical Square Bars At 6" <small>(05 73 23)</small>		
Note: Centers with shaped top rails (round, square, rectangular, diamond, triangular or other shape).		
05 73 23 00-0002 LF Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High.....	66.42	9.59
<i>For Rake Or Angle Railings, Add</i>		
<i>For Curved Railings, Add</i>		
<i>For 4" On Center Standards, Add</i>		
<i>For 4-1/2" On Center Standards, Add</i>		
<i>For 5" On Center Standards, Add</i>		
<i>For 5-1/2" On Center Standards, Add</i>		
<i>For Each Field Bending Of Rails, Add</i>		
<i>For Galvanized, Add</i>		
05 73 23 00-0003 LF Aluminum Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High.....	109.53	13.09
<i>For Rake Or Angle Railings, Add</i>		
<i>For Curved Railings, Add</i>		
<i>For 4" On Center Standards, Add</i>		
<i>For 4-1/2" On Center Standards, Add</i>		
<i>For 5" On Center Standards, Add</i>		
<i>For 5-1/2" On Center Standards, Add</i>		
<i>For Each Field Bending Of Rails, Add</i>		
05 73 23 00-0004 LF Bronze Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High.....	162.69	21.82
<i>For Rake Or Angle Railings, Add</i>		
<i>For Curved Railings, Add</i>		
<i>For 4" On Center Standards, Add</i>		
<i>For 4-1/2" On Center Standards, Add</i>		
<i>For 5" On Center Standards, Add</i>		
<i>For 5-1/2" On Center Standards, Add</i>		
<i>For Each Field Bending Of Rails, Add</i>		
05 73 23 00-0005 LF Stainless Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High.....	211.41	17.45
<i>For Rake Or Angle Railings, Add</i>		
<i>For Curved Railings, Add</i>		
<i>For 4" On Center Standards, Add</i>		
<i>For 4-1/2" On Center Standards, Add</i>		
<i>For 5" On Center Standards, Add</i>		
<i>For 5-1/2" On Center Standards, Add</i>		
<i>For Each Field Bending Of Rails, Add</i>		
05 73 23 00-0006 LF Black Wrought Iron Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High.....	147.43	26.61
<i>For Rake Or Angle Railings, Add</i>		
<i>For Curved Railings, Add</i>		
<i>For 4" On Center Standards, Add</i>		
<i>For 4-1/2" On Center Standards, Add</i>		
<i>For 5" On Center Standards, Add</i>		
<i>For 5-1/2" On Center Standards, Add</i>		
<i>For Each Field Bending Of Rails, Add</i>		
 05 73 23 00-0007 Laminated Metal Or Wood Handrails With Metal Supports <small>(05 73 23)</small>		
05 73 23 00-0008 LF 2-1/2" Laminated Metal Or Wood Handrail Round/Oval Shape With Metal Supports.....	100.15	4.37
<i>For Rake Or Angle Railings, Add</i>		
<i>For Curved Railings, Add</i>		
<i>For 4" On Center Standards, Add</i>		
<i>For 4-1/2" On Center Standards, Add</i>		
<i>For 5" On Center Standards, Add</i>		
<i>For 5-1/2" On Center Standards, Add</i>		
<i>For Each Field Bending Of Rails, Add</i>		
 05 73 23 00-0009 Plain Handrails <small>(05 73 23)</small>		
05 73 23 00-0010 LF 2" Brass Handrail.....	40.21	9.17
05 73 23 00-0011 EA 90 Degree Angle For 2" Brass Handrail.....	92.37	34.41
05 73 23 00-0012 EA End Cap For 2" Brass Handrail.....	42.41	17.25
05 73 23 00-0013 EA Brass Bracket And Joint For 2" Brass Handrail.....	70.10	34.41
05 73 23 00-0014 LF 2" Stainless Steel Handrail.....	51.70	11.45
 05 73 23 00-0015 Restoration Of Existing Metal Handrail And Railing <small>(05 73 23)</small>		
Note: Task includes rust removal by grinding, cleaning, surface prep and one coat of protective primer. See CSI section 09 91 13 00-0367 for painting.		
05 73 23 00-0016 LF Refinish Metal Handrail.....	8.73	
05 73 23 00-0017 LF Refinish Wrought Iron Balustrade.....	8.68	
 05 73 23 00-0018 Remove And Reinstall Ornamental Railing <small>(05 73 23)</small>		
05 73 23 00-0019 LF Removal And Reinstallation Of Ornamental Handrail And Pickets.....	80.27	

05 Metals**05 70 Decorative Metal****05 75 Decorative Formed Metal**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
05 75 Decorative Formed Metal (05 70)**05 75 00 00-0001****Metal Sheets, Installed On Walls** (05 75)

Note: Includes field fabrication (bending) where noted. See CSI section 05 54 00 00-0000 for metal floor plates.

05 75 00 00-0002**Copper Sheets, Installed On Walls** (05 75 00 00-0001)

Note: Includes field fabrication.

05 75 00 00-0003	SF	0.0162" (12 Ounce) Thick Copper Sheet, Installed On Walls	19.02	1.88
		For >16 To 200, Deduct	-1.09	
		For >200 To 500, Deduct	-2.19	
		For >500, Deduct	-3.14	
05 75 00 00-0004	SF	0.0215" (16 Ounce) Thick Copper Sheet, Installed On Walls	23.61	2.10
		For >16 To 200, Deduct	-1.34	
		For >200 To 500, Deduct	-2.68	
		For >500, Deduct	-3.86	
05 75 00 00-0005	SF	0.0242" (18 Ounce) Thick Copper Sheet, Installed On Walls	25.82	2.27
		For >16 To 200, Deduct	-1.46	
		For >200 To 500, Deduct	-2.92	
		For >500, Deduct	-4.21	
05 75 00 00-0006	SF	0.027" (20 Ounce) Thick Copper Sheet, Installed On Walls	27.85	2.38
		For >16 To 200, Deduct	-1.57	
		For >200 To 500, Deduct	-3.14	
		For >500, Deduct	-4.53	
05 75 00 00-0007	SF	0.0323" (24 Ounce) Thick Copper Sheet, Installed On Walls	31.64	2.49
		For >16 To 200, Deduct	-1.77	
		For >200 To 500, Deduct	-3.54	
		For >500, Deduct	-5.12	
05 75 00 00-0008	SF	0.0431" (32 Ounce) Thick Copper Sheet, Installed On Walls	39.79	2.60
		For >16 To 200, Deduct	-2.19	
		For >200 To 500, Deduct	-4.37	
		For >500, Deduct	-6.36	
05 75 00 00-0009	SF	0.052" (40 Ounce) Thick Copper Sheet, Installed On Walls	46.44	2.72
		For >16 To 200, Deduct	-2.53	
		For >200 To 500, Deduct	-5.05	
		For >500, Deduct	-7.37	
05 75 00 00-0010	SF	0.0646" (48 Ounce) Thick Copper Sheet, Installed On Walls	56.04	2.95
		For >16 To 200, Deduct	-3.02	
		For >200 To 500, Deduct	-6.05	
		For >500, Deduct	-8.85	
05 75 00 00-0011	SF	0.08" Thick Copper Sheet, Installed On Walls	68.60	3.17
		For >16 To 200, Deduct	-3.67	
		For >200 To 500, Deduct	-7.34	
		For >500, Deduct	-10.77	
05 75 00 00-0012	SF	0.125" Thick Copper Sheet, Installed On Walls	100.07	3.40
		For >16 To 200, Deduct	-5.26	
		For >200 To 500, Deduct	-10.52	
		For >500, Deduct	-15.52	

05 75 00 00-0013**Stainless Steel Sheets, Installed On Walls** (05 75 00 00-0001)

Note: Includes field fabrication.

05 75 00 00-0014	SF	0.026" Thick (24 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	10.72	1.94
		For >16 To 200, Deduct	-0.68	
		For >200 To 500, Deduct	-1.36	
		For >500, Deduct	-1.90	
05 75 00 00-0015	SF	0.0312" Thick (22 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	12.06	2.09
		For >16 To 200, Deduct	-0.76	
		For >200 To 500, Deduct	-1.52	
		For >500, Deduct	-2.12	
05 75 00 00-0016	SF	0.0375" Thick (20 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	13.07	2.20
		For >16 To 200, Deduct	-0.82	
		For >200 To 500, Deduct	-1.64	
		For >500, Deduct	-2.29	
05 75 00 00-0017	SF	0.050" Thick (18 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	15.13	2.30
		For >16 To 200, Deduct	-0.93	
		For >200 To 500, Deduct	-1.86	
		For >500, Deduct	-2.62	
05 75 00 00-0018	SF	0.0625" Thick (16 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	17.14	2.41
		For >16 To 200, Deduct	-1.04	
		For >200 To 500, Deduct	-2.08	
		For >500, Deduct	-2.93	
05 75 00 00-0019	SF	0.078" Thick (14 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	19.64	2.52
		For >16 To 200, Deduct	-1.17	
		For >200 To 500, Deduct	-2.34	
		For >500, Deduct	-3.32	
05 75 00 00-0020	SF	0.125" Thick (11 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	27.79	2.93
		For >16 To 200, Deduct	-1.61	
		For >200 To 500, Deduct	-3.22	
		For >500, Deduct	-4.61	
05 75 00 00-0021	SF	3/16" Thick (7 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	37.02	3.11
		For >16 To 200, Deduct	-2.09	
		For >200 To 500, Deduct	-4.17	
		For >500, Deduct	-6.02	



Metals	05	05
Decorative Metal	05 70	
Decorative Formed Metal	05 75	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0022 SF 1/4" Thick (3 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls.....	50.34	3.77
For >16 To 200, Deduct	-2.80	
For >200 To 500, Deduct	-5.60	
For >500, Deduct	-8.12	
05 75 00 00-0023 SF 3/8" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls.....	82.64	4.04
For >16 To 200, Deduct	-4.44	
For >200 To 500, Deduct	-8.87	
For >500, Deduct	-13.00	
05 75 00 00-0024 SF 1/2" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls.....	105.43	4.71
For >16 To 200, Deduct	-5.63	
For >200 To 500, Deduct	-11.25	
For >500, Deduct	-16.52	
05 75 00 00-0025 Aluminum Sheets, Installed On Walls (05 75 00 00-0001)		
Note: Includes field fabrication.		
05 75 00 00-0026 SF 0.016" Thick (26 Gauge) Aluminum Sheet, Installed On Walls.....	8.46	1.88
For >16 To 200, Deduct	-0.56	
For >200 To 500, Deduct	-1.13	
For >500, Deduct	-1.55	
05 75 00 00-0027 SF 0.020" Thick (24 Gauge) Aluminum Sheet, Installed On Walls.....	9.58	2.10
For >16 To 200, Deduct	-0.64	
For >200 To 500, Deduct	-1.27	
For >500, Deduct	-1.75	
05 75 00 00-0028 SF 0.025" Thick (22 Gauge) Aluminum Sheet, Installed On Walls.....	10.65	2.27
For >16 To 200, Deduct	-0.70	
For >200 To 500, Deduct	-1.41	
For >500, Deduct	-1.94	
05 75 00 00-0029 SF 0.032" Thick (20 Gauge) Aluminum Sheet, Installed On Walls.....	11.75	2.38
For >16 To 200, Deduct	-0.77	
For >200 To 500, Deduct	-1.53	
For >500, Deduct	-2.12	
05 75 00 00-0030 SF 0.040" Thick (18 Gauge) Aluminum Sheet, Installed On Walls.....	12.84	2.49
For >16 To 200, Deduct	-0.83	
For >200 To 500, Deduct	-1.66	
For >500, Deduct	-2.30	
05 75 00 00-0031 SF 0.050" Thick (16 Gauge) Aluminum Sheet, Installed On Walls.....	14.04	2.60
For >16 To 200, Deduct	-0.90	
For >200 To 500, Deduct	-1.80	
For >500, Deduct	-2.50	
05 75 00 00-0032 SF 0.064" Thick (14 Gauge) Aluminum Sheet, Installed On Walls.....	15.49	2.72
For >16 To 200, Deduct	-0.98	
For >200 To 500, Deduct	-1.96	
For >500, Deduct	-2.73	
05 75 00 00-0033 SF 0.090" Thick (11 Gauge) Aluminum Sheet, Installed On Walls.....	18.40	3.17
For >16 To 200, Deduct	-1.16	
For >200 To 500, Deduct	-2.32	
For >500, Deduct	-3.24	
05 75 00 00-0034 Galvanized Steel Sheets, Installed On Walls (05 75 00 00-0001)		
Note: Includes field fabrication.		
05 75 00 00-0035 SF 0.0217" (26 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	8.53	1.88
For >16 To 200, Deduct	-0.57	
For >200 To 500, Deduct	-1.14	
For >500, Deduct	-1.56	
05 75 00 00-0036 SF 0.0276" (24 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	9.46	2.10
For >16 To 200, Deduct	-0.63	
For >200 To 500, Deduct	-1.26	
For >500, Deduct	-1.73	
05 75 00 00-0037 SF 0.0336" (22 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	10.03	2.27
For >16 To 200, Deduct	-0.67	
For >200 To 500, Deduct	-1.34	
For >500, Deduct	-1.84	
05 75 00 00-0038 SF 0.0396" (20 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	10.66	2.38
For >16 To 200, Deduct	-0.71	
For >200 To 500, Deduct	-1.42	
For >500, Deduct	-1.96	
05 75 00 00-0039 SF 0.0516" (18 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	11.52	2.49
For >16 To 200, Deduct	-0.76	
For >200 To 500, Deduct	-1.53	
For >500, Deduct	-2.10	
05 75 00 00-0040 SF 0.0635" (16 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	12.45	2.60
For >16 To 200, Deduct	-0.82	
For >200 To 500, Deduct	-1.64	
For >500, Deduct	-2.26	
05 75 00 00-0041 SF 0.0785" (14 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	13.97	2.72
For >16 To 200, Deduct	-0.90	
For >200 To 500, Deduct	-1.81	
For >500, Deduct	-2.50	
05 75 00 00-0042 SF 0.1084" (12 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	16.12	2.95
For >16 To 200, Deduct	-1.03	
For >200 To 500, Deduct	-2.05	
For >500, Deduct	-2.86	

05	Metals
05 70	Decorative Metal
05 75	Decorative Formed Metal



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0043	SF		0.1382" (10 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	18.58	3.40
			<i>For >16 To 200, Deduct</i>	-1.18	
			<i>For >200 To 500, Deduct</i>	-2.37	
			<i>For >500, Deduct</i>	-3.30	
05 75 00 00-0044			Galvanized Zinc-Plated Steel Sheets, Installed On Walls <small>(05 75 00 00-0001)</small>		
			Note: Includes field fabrication.		
05 75 00 00-0045	SF		0.013" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	9.33	1.79
			<i>For >16 To 200, Deduct</i>	-0.65	
			<i>For >200 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.76	
05 75 00 00-0046	SF		0.016" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	10.72	2.02
			<i>For >16 To 200, Deduct</i>	-0.74	
			<i>For >200 To 500, Deduct</i>	-1.48	
			<i>For >500, Deduct</i>	-2.01	
05 75 00 00-0047	SF		0.019" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	12.08	2.25
			<i>For >16 To 200, Deduct</i>	-0.83	
			<i>For >200 To 500, Deduct</i>	-1.66	
			<i>For >500, Deduct</i>	-2.26	
05 75 00 00-0048	SF		0.024" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	13.26	2.43
			<i>For >16 To 200, Deduct</i>	-0.91	
			<i>For >200 To 500, Deduct</i>	-1.81	
			<i>For >500, Deduct</i>	-2.48	

END OF SECTION 05



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 Wood, Plastics, and Composites

06 01 Maintenance of Wood, Plastics, and Composites ⁽⁰⁶⁾

06 01 20 Maintenance of Finish Carpentry ^(06 01)

06 01 20 91 Finish Carpentry Restoration ^(06 01 20)

06 01 20 91-0001 Wood Trim Repair ^(06 01 20 91)

06 01 20 91-0002	SF	Restoration Of Existing Decorative Woodwork.....	7.08
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Note: Includes stripping to bare wood, filling or patching, stain or paint to match existing.

06 05 Common Work Results For Wood, Plastics, And Composites

06 05 23 Wood, Plastic, And Composite Fastenings ^(06 05)

Note: For additional fasteners above normal conditions, for replacing existing fasteners, for relocating existing materials or fixtures, or for different fasteners required due to load limits on standard fasteners.

06 05 23 00-0001 Threaded Anchor Bolts ^(06 05 23)

Note: Threaded on two ends with two nuts and flat washers.

06 05 23 00-0002	EA	1/2" Diameter x 4" Long, Threaded Anchor Bolt.....	11.09
		<i>For >10 To 50, Deduct</i>	-0.34
		<i>For >50 To 100, Deduct</i>	-0.79
		<i>For >100 To 250, Deduct</i>	-1.59
		<i>For >250 To 500, Deduct</i>	-2.73
		<i>For >500, Deduct</i>	-3.87
06 05 23 00-0003	EA	1/2" Diameter x 7-1/2" Long, Threaded Anchor Bolt.....	14.66
		<i>For >10 To 50, Deduct</i>	-0.37
		<i>For >50 To 100, Deduct</i>	-0.92
		<i>For >100 To 250, Deduct</i>	-1.85
		<i>For >250 To 500, Deduct</i>	-3.14
		<i>For >500, Deduct</i>	-4.43
06 05 23 00-0004	EA	3/4" Diameter x 7-1/2" Long, Threaded Anchor Bolt.....	16.15
		<i>For >10 To 50, Deduct</i>	-0.37
		<i>For >50 To 100, Deduct</i>	-0.96
		<i>For >100 To 250, Deduct</i>	-1.92
		<i>For >250 To 500, Deduct</i>	-3.25
		<i>For >500, Deduct</i>	-4.58
06 05 23 00-0005	EA	3/4" Diameter x 12" Long, Threaded Anchor Bolt.....	31.62
		<i>For >10 To 50, Deduct</i>	-0.51
		<i>For >50 To 100, Deduct</i>	-1.55
		<i>For >100 To 250, Deduct</i>	-3.10
		<i>For >250 To 500, Deduct</i>	-5.16
		<i>For >500, Deduct</i>	-7.22

06 05 23 00-0006 Framing Anchors ^(06 05 23)

06 05 23 00-0007	EA	10 Gauge Framing Anchor.....	5.90	2.90
		<i>For >10 To 50, Deduct</i>	-0.28	
		<i>For >50 To 100, Deduct</i>	-0.56	
		<i>For >100 To 250, Deduct</i>	-1.12	
		<i>For >250 To 500, Deduct</i>	-1.96	
		<i>For >500, Deduct</i>	-2.79	

06 05 23 00-0008 Holddown Anchors ^(06 05 23)

06 05 23 00-0009	EA	8-5/8" High x 2-1/2" Wide x 2-1/4" Deep, 12 Gauge, Hold Downs, (Simpson Strong Tie® HD3B).....	39.49
		<i>For >10 To 50, Deduct</i>	-1.50
		<i>For >50 To 100, Deduct</i>	-3.23
		<i>For >100 To 250, Deduct</i>	-6.46
		<i>For >250 To 500, Deduct</i>	-11.19
		<i>For >500, Deduct</i>	-15.91
06 05 23 00-0010	EA	9-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Hold Downs, (Simpson Strong Tie® HD5B).....	53.72
		<i>For >10 To 50, Deduct</i>	-1.50
		<i>For >50 To 100, Deduct</i>	-3.59
		<i>For >100 To 250, Deduct</i>	-7.17
		<i>For >250 To 500, Deduct</i>	-12.25
		<i>For >500, Deduct</i>	-17.34
06 05 23 00-0011	EA	12-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Hold Downs, (Simpson Strong Tie® HD7B).....	60.79
		<i>For >10 To 50, Deduct</i>	-1.64
		<i>For >50 To 100, Deduct</i>	-3.98
		<i>For >100 To 250, Deduct</i>	-7.96
		<i>For >250 To 500, Deduct</i>	-13.58
		<i>For >500, Deduct</i>	-19.20
06 05 23 00-0012	EA	14" High x 2-1/2" Wide x 2-1/2" Deep, 7 Gauge, Hold Downs, (Simpson Strong Tie® HD9B).....	73.89
		<i>For >10 To 50, Deduct</i>	-1.83
		<i>For >50 To 100, Deduct</i>	-4.60
		<i>For >100 To 250, Deduct</i>	-9.19
		<i>For >250 To 500, Deduct</i>	-15.62
		<i>For >500, Deduct</i>	-22.05

06 Wood, Plastics, and Composites**06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0013	EA		20-5/16" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Hold Downs, (Simpson Strong Tie® HD12).....	143.10	
			<i>For >10 To 50, Deduct</i>	-2.32	
			<i>For >50 To 100, Deduct</i>	-7.05	
			<i>For >100 To 250, Deduct</i>	-14.10	
			<i>For >250 To 500, Deduct</i>	-23.47	
			<i>For >500, Deduct</i>	-32.83	
06 05 23 00-0014	EA		24-1/2" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Hold Downs, (Simpson Strong Tie® HD19).....	164.04	
			<i>For >10 To 50, Deduct</i>	-2.41	
			<i>For >50 To 100, Deduct</i>	-7.72	
			<i>For >100 To 250, Deduct</i>	-15.44	
			<i>For >250 To 500, Deduct</i>	-25.57	
			<i>For >500, Deduct</i>	-35.70	
06 05 23 00-0015			Joist And Beam Hangers <small>(06 05 23)</small>		
06 05 23 00-0016	EA		18 Gauge Joist Hanger, For 2" x 4" Joist, Also Acceptable For Beam Hangers	5.91	2.70
			<i>For >10 To 50, Deduct</i>	-0.28	
			<i>For >50 To 100, Deduct</i>	-0.56	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.80	
06 05 23 00-0017	EA		18 Gauge Joist Hanger, For 2" x 6"-2" x 10" Joist, Also Acceptable For Beam Hangers	6.59	2.70
			<i>For >10 To 50, Deduct</i>	-0.29	
			<i>For >50 To 100, Deduct</i>	-0.60	
			<i>For >100 To 250, Deduct</i>	-1.21	
			<i>For >250 To 500, Deduct</i>	-2.10	
			<i>For >500, Deduct</i>	-3.00	
06 05 23 00-0018	EA		16 Gauge Joist Hanger, For 3" x 6"-3" x 9" Joist, Also Acceptable For Beam Hangers	7.82	2.70
			<i>For >10 To 50, Deduct</i>	-0.30	
			<i>For >50 To 100, Deduct</i>	-0.65	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-3.19	
06 05 23 00-0019	EA		16 Gauge Joist Hanger, For 3" x 10"-3" x 14" Joist, Also Acceptable For Beam Hangers	7.93	2.70
			<i>For >10 To 50, Deduct</i>	-0.30	
			<i>For >50 To 100, Deduct</i>	-0.65	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-2.25	
			<i>For >500, Deduct</i>	-3.21	
06 05 23 00-0020	EA		14 Gauge Joist Hanger, For 4" x 6"-4" x 8" Joist, Also Acceptable For Beam Hangers	8.05	2.79
			<i>For >10 To 50, Deduct</i>	-0.31	
			<i>For >50 To 100, Deduct</i>	-0.67	
			<i>For >100 To 250, Deduct</i>	-1.34	
			<i>For >250 To 500, Deduct</i>	-2.31	
			<i>For >500, Deduct</i>	-3.29	
06 05 23 00-0021	EA		14 Gauge Joist Hanger, For 4" x 10"-4" x 14" Joist, Also Acceptable For Beam Hangers	8.36	2.79
			<i>For >10 To 50, Deduct</i>	-0.31	
			<i>For >50 To 100, Deduct</i>	-0.68	
			<i>For >100 To 250, Deduct</i>	-1.35	
			<i>For >250 To 500, Deduct</i>	-2.34	
			<i>For >500, Deduct</i>	-3.32	
06 05 23 00-0022			Anchor And Ties <small>(06 05 23)</small>		
06 05 23 00-0023	EA		Pre-Deflected Hold Down With SDS Screws (Simpson Strong Tie® PHD5-SDS).....	35.26	
06 05 23 00-0024	EA		12-3/8" Heavy Tension Tie (Simpson Strong Tie® HTT4)	22.76	
06 05 23 00-0025	EA		16" Heavy Tension Tie (Simpson Strong Tie® HTT5)	32.97	
06 05 23 00-0026	EA		2" x 4" Or 2" x 6" Mudsill Anchor 16 Gauge Zinc Galvanized Finish (Simpson Strong Tie® MAS).....	3.33	
06 05 23 00-0027			Hurricane Clips <small>(06 05 23)</small>		
06 05 23 00-0028	EA		18 Gauge Zinc Galvanized Finish Hurricane Clips (Simpson Strong Tie® H2.5A)	2.54	
06 05 23 00-0029	EA		18 Gauge Stainless Steel Hurricane Clips (Simpson Strong Tie® H2.5SS)	5.81	
06 05 23 00-0030	EA		Hurricane Strap (Simpson Strong Tie® H6).....	9.56	
06 05 23 00-0031			Post Framing <small>(06 05 23)</small>		
06 05 23 00-0032	EA		16 Gauge Post Framing With 4" x 4" Base	10.34	3.38
			<i>For >10 To 50, Deduct</i>	-0.37	
			<i>For >50 To 100, Deduct</i>	-0.82	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.82	
			<i>For >500, Deduct</i>	-4.00	
06 05 23 00-0033	EA		16 Gauge Post Framing With 4" x 4" Cap.....	9.19	3.38
			<i>For >10 To 50, Deduct</i>	-0.37	
			<i>For >50 To 100, Deduct</i>	-0.79	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-2.73	
			<i>For >500, Deduct</i>	-3.89	
06 05 23 00-0034			Rafter Anchors <small>(06 05 23)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0035 EA 1-1/2" Wide x 5-1/4" Long, 18 Gauge Rafter Anchor	6.86	3.00
<i>For >10 To 50, Deduct</i>	-0.33	
<i>For >50 To 100, Deduct</i>	-0.67	
<i>For >100 To 250, Deduct</i>	-1.34	
<i>For >250 To 500, Deduct</i>	-2.34	
<i>For >500, Deduct</i>	-3.35	
06 05 23 00-0036 EA 1-1/2" Wide x 10-3/4" Long, 18 Gauge Rafter Anchor	6.98	3.00
<i>For >10 To 50, Deduct</i>	-0.33	
<i>For >50 To 100, Deduct</i>	-0.67	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-3.36	
06 05 23 00-0037 EA Galvanized Rigid Rafter Connector, For 2" x 6"	8.54	3.00
<i>For >10 To 50, Deduct</i>	-0.33	
<i>For >50 To 100, Deduct</i>	-0.71	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-2.47	
<i>For >500, Deduct</i>	-3.51	
06 05 23 00-0038 Bolts And Fasteners <small>(06 05 23)</small>		
06 05 23 00-0039 Carriage Bolts <small>(06 05 23 00-0038)</small>		
Note: Includes drilling of holes in any material. Includes nut and washer.		
06 05 23 00-0040 Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolts <small>(06 05 23 00-0039)</small>		
06 05 23 00-0041 EA 1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	12.87	
<i>For >10 To 50, Deduct</i>	-0.63	
<i>For >50 To 100, Deduct</i>	-1.26	
<i>For >100 To 250, Deduct</i>	-2.52	
<i>For >250 To 500, Deduct</i>	-4.41	
<i>For >500, Deduct</i>	-6.30	
06 05 23 00-0042 EA 1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	13.02	
<i>For >10 To 50, Deduct</i>	-0.63	
<i>For >50 To 100, Deduct</i>	-1.27	
<i>For >100 To 250, Deduct</i>	-2.53	
<i>For >250 To 500, Deduct</i>	-4.43	
<i>For >500, Deduct</i>	-6.32	
06 05 23 00-0043 EA 1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	13.10	
<i>For >10 To 50, Deduct</i>	-0.63	
<i>For >50 To 100, Deduct</i>	-1.27	
<i>For >100 To 250, Deduct</i>	-2.54	
<i>For >250 To 500, Deduct</i>	-4.43	
<i>For >500, Deduct</i>	-6.33	
06 05 23 00-0044 EA 1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	15.31	
<i>For >10 To 50, Deduct</i>	-0.72	
<i>For >50 To 100, Deduct</i>	-1.47	
<i>For >100 To 250, Deduct</i>	-2.94	
<i>For >250 To 500, Deduct</i>	-5.13	
<i>For >500, Deduct</i>	-7.32	
06 05 23 00-0045 EA 3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	14.23	
<i>For >10 To 50, Deduct</i>	-0.68	
<i>For >50 To 100, Deduct</i>	-1.37	
<i>For >100 To 250, Deduct</i>	-2.74	
<i>For >250 To 500, Deduct</i>	-4.78	
<i>For >500, Deduct</i>	-6.83	
06 05 23 00-0046 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	15.43	
<i>For >10 To 50, Deduct</i>	-0.72	
<i>For >50 To 100, Deduct</i>	-1.47	
<i>For >100 To 250, Deduct</i>	-2.94	
<i>For >250 To 500, Deduct</i>	-5.14	
<i>For >500, Deduct</i>	-7.34	
06 05 23 00-0047 EA 3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	15.66	
<i>For >10 To 50, Deduct</i>	-0.72	
<i>For >50 To 100, Deduct</i>	-1.48	
<i>For >100 To 250, Deduct</i>	-2.96	
<i>For >250 To 500, Deduct</i>	-5.16	
<i>For >500, Deduct</i>	-7.36	
06 05 23 00-0048 EA 3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	18.71	
<i>For >10 To 50, Deduct</i>	-0.87	
<i>For >50 To 100, Deduct</i>	-1.77	
<i>For >100 To 250, Deduct</i>	-3.54	
<i>For >250 To 500, Deduct</i>	-6.18	
<i>For >500, Deduct</i>	-8.82	
06 05 23 00-0049 EA 3/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	20.38	
<i>For >10 To 50, Deduct</i>	-0.92	
<i>For >50 To 100, Deduct</i>	-1.88	
<i>For >100 To 250, Deduct</i>	-3.77	
<i>For >250 To 500, Deduct</i>	-6.57	
<i>For >500, Deduct</i>	-9.37	
06 05 23 00-0050 EA 3/8" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	22.99	
<i>For >10 To 50, Deduct</i>	-1.01	
<i>For >50 To 100, Deduct</i>	-2.09	
<i>For >100 To 250, Deduct</i>	-4.19	
<i>For >250 To 500, Deduct</i>	-7.29	
<i>For >500, Deduct</i>	-10.40	

06 Wood, Plastics, and Composites**06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0051 EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	15.92	
For >10 To 50, Deduct	-0.72	
For >50 To 100, Deduct	-1.48	
For >100 To 250, Deduct	-2.97	
For >250 To 500, Deduct	-5.18	
For >500, Deduct	-7.38	
06 05 23 00-0052 EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	17.48	
For >10 To 50, Deduct	-0.77	
For >50 To 100, Deduct	-1.59	
For >100 To 250, Deduct	-3.19	
For >250 To 500, Deduct	-5.55	
For >500, Deduct	-7.92	
06 05 23 00-0053 EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	18.63	
For >10 To 50, Deduct	-0.82	
For >50 To 100, Deduct	-1.70	
For >100 To 250, Deduct	-3.39	
For >250 To 500, Deduct	-5.90	
For >500, Deduct	-8.42	
06 05 23 00-0054 EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	20.90	
For >10 To 50, Deduct	-0.92	
For >50 To 100, Deduct	-1.90	
For >100 To 250, Deduct	-3.79	
For >250 To 500, Deduct	-6.61	
For >500, Deduct	-9.42	
06 05 23 00-0055 EA 1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	24.59	
For >10 To 50, Deduct	-1.06	
For >50 To 100, Deduct	-2.21	
For >100 To 250, Deduct	-4.41	
For >250 To 500, Deduct	-7.68	
For >500, Deduct	-10.95	
06 05 23 00-0056 EA 1/2" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	27.61	
For >10 To 50, Deduct	-1.16	
For >50 To 100, Deduct	-2.43	
For >100 To 250, Deduct	-4.85	
For >250 To 500, Deduct	-8.44	
For >500, Deduct	-12.02	
06 05 23 00-0057 EA 3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	21.96	
For >10 To 50, Deduct	-0.87	
For >50 To 100, Deduct	-1.85	
For >100 To 250, Deduct	-3.70	
For >250 To 500, Deduct	-6.42	
For >500, Deduct	-9.14	
06 05 23 00-0058 EA 3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	23.86	
For >10 To 50, Deduct	-0.92	
For >50 To 100, Deduct	-1.97	
For >100 To 250, Deduct	-3.94	
For >250 To 500, Deduct	-6.83	
For >500, Deduct	-9.72	
06 05 23 00-0059 EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	28.66	
For >10 To 50, Deduct	-1.06	
For >50 To 100, Deduct	-2.31	
For >100 To 250, Deduct	-4.62	
For >250 To 500, Deduct	-7.99	
For >500, Deduct	-11.35	
06 05 23 00-0060 EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	32.37	
For >10 To 50, Deduct	-1.11	
For >50 To 100, Deduct	-2.47	
For >100 To 250, Deduct	-4.95	
For >250 To 500, Deduct	-8.53	
For >500, Deduct	-12.11	
06 05 23 00-0061 EA 3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	35.14	
For >10 To 50, Deduct	-1.21	
For >50 To 100, Deduct	-2.69	
For >100 To 250, Deduct	-5.37	
For >250 To 500, Deduct	-9.27	
For >500, Deduct	-13.16	
06 05 23 00-0062 EA 3/4" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	35.79	
For >10 To 50, Deduct	-1.25	
For >50 To 100, Deduct	-2.78	
For >100 To 250, Deduct	-5.55	
For >250 To 500, Deduct	-9.58	
For >500, Deduct	-13.61	
06 05 23 00-0063 Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolts (06 05 23 00-0039)		
06 05 23 00-0064 EA 1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	13.13	
For >10 To 50, Deduct	-0.63	
For >50 To 100, Deduct	-1.27	
For >100 To 250, Deduct	-2.54	
For >250 To 500, Deduct	-4.43	
For >500, Deduct	-6.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0065 EA 1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	13.40	
<i>For >10 To 50, Deduct</i>	-0.63	
<i>For >50 To 100, Deduct</i>	-1.28	
<i>For >100 To 250, Deduct</i>	-2.55	
<i>For >250 To 500, Deduct</i>	-4.45	
<i>For >500, Deduct</i>	-6.36	
06 05 23 00-0066 EA 1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	13.70	
<i>For >10 To 50, Deduct</i>	-0.63	
<i>For >50 To 100, Deduct</i>	-1.28	
<i>For >100 To 250, Deduct</i>	-2.57	
<i>For >250 To 500, Deduct</i>	-4.48	
<i>For >500, Deduct</i>	-6.39	
06 05 23 00-0067 EA 1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	16.31	
<i>For >10 To 50, Deduct</i>	-0.72	
<i>For >50 To 100, Deduct</i>	-1.49	
<i>For >100 To 250, Deduct</i>	-2.99	
<i>For >250 To 500, Deduct</i>	-5.21	
<i>For >500, Deduct</i>	-7.42	
06 05 23 00-0068 EA 3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	14.59	
<i>For >10 To 50, Deduct</i>	-0.68	
<i>For >50 To 100, Deduct</i>	-1.38	
<i>For >100 To 250, Deduct</i>	-2.76	
<i>For >250 To 500, Deduct</i>	-4.81	
<i>For >500, Deduct</i>	-6.86	
06 05 23 00-0069 EA 3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	16.00	
<i>For >10 To 50, Deduct</i>	-0.72	
<i>For >50 To 100, Deduct</i>	-1.49	
<i>For >100 To 250, Deduct</i>	-2.97	
<i>For >250 To 500, Deduct</i>	-5.18	
<i>For >500, Deduct</i>	-7.39	
06 05 23 00-0070 EA 3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	16.33	
<i>For >10 To 50, Deduct</i>	-0.72	
<i>For >50 To 100, Deduct</i>	-1.49	
<i>For >100 To 250, Deduct</i>	-2.99	
<i>For >250 To 500, Deduct</i>	-5.21	
<i>For >500, Deduct</i>	-7.43	
06 05 23 00-0071 EA 3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	19.72	
<i>For >10 To 50, Deduct</i>	-0.87	
<i>For >50 To 100, Deduct</i>	-1.80	
<i>For >100 To 250, Deduct</i>	-3.59	
<i>For >250 To 500, Deduct</i>	-6.25	
<i>For >500, Deduct</i>	-8.92	
06 05 23 00-0072 EA 3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	21.51	
<i>For >10 To 50, Deduct</i>	-0.92	
<i>For >50 To 100, Deduct</i>	-1.91	
<i>For >100 To 250, Deduct</i>	-3.83	
<i>For >250 To 500, Deduct</i>	-6.65	
<i>For >500, Deduct</i>	-9.48	
06 05 23 00-0073 EA 3/8" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	24.04	
<i>For >10 To 50, Deduct</i>	-1.01	
<i>For >50 To 100, Deduct</i>	-2.12	
<i>For >100 To 250, Deduct</i>	-4.24	
<i>For >250 To 500, Deduct</i>	-7.37	
<i>For >500, Deduct</i>	-10.50	
06 05 23 00-0074 EA 1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	16.77	
<i>For >10 To 50, Deduct</i>	-0.72	
<i>For >50 To 100, Deduct</i>	-1.51	
<i>For >100 To 250, Deduct</i>	-3.01	
<i>For >250 To 500, Deduct</i>	-5.24	
<i>For >500, Deduct</i>	-7.47	
06 05 23 00-0075 EA 1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	18.14	
<i>For >10 To 50, Deduct</i>	-0.77	
<i>For >50 To 100, Deduct</i>	-1.61	
<i>For >100 To 250, Deduct</i>	-3.22	
<i>For >250 To 500, Deduct</i>	-5.60	
<i>For >500, Deduct</i>	-7.99	
06 05 23 00-0076 EA 1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	19.42	
<i>For >10 To 50, Deduct</i>	-0.82	
<i>For >50 To 100, Deduct</i>	-1.71	
<i>For >100 To 250, Deduct</i>	-3.43	
<i>For >250 To 500, Deduct</i>	-5.96	
<i>For >500, Deduct</i>	-8.50	
06 05 23 00-0077 EA 1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	22.04	
<i>For >10 To 50, Deduct</i>	-0.92	
<i>For >50 To 100, Deduct</i>	-1.93	
<i>For >100 To 250, Deduct</i>	-3.85	
<i>For >250 To 500, Deduct</i>	-6.69	
<i>For >500, Deduct</i>	-9.54	
06 05 23 00-0078 EA 1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	25.71	
<i>For >10 To 50, Deduct</i>	-1.06	
<i>For >50 To 100, Deduct</i>	-2.23	
<i>For >100 To 250, Deduct</i>	-4.47	
<i>For >250 To 500, Deduct</i>	-7.76	
<i>For >500, Deduct</i>	-11.06	

06 Wood, Plastics, and Composites**06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0079	EA		1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	28.47	
			<i>For >10 To 50, Deduct</i>	-1.16	
			<i>For >50 To 100, Deduct</i>	-2.45	
			<i>For >100 To 250, Deduct</i>	-4.90	
			<i>For >250 To 500, Deduct</i>	-8.50	
			<i>For >500, Deduct</i>	-12.11	
06 05 23 00-0080	EA		3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	24.50	
			<i>For >10 To 50, Deduct</i>	-0.87	
			<i>For >50 To 100, Deduct</i>	-1.91	
			<i>For >100 To 250, Deduct</i>	-3.83	
			<i>For >250 To 500, Deduct</i>	-6.61	
			<i>For >500, Deduct</i>	-9.39	
06 05 23 00-0081	EA		3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	25.63	
			<i>For >10 To 50, Deduct</i>	-0.92	
			<i>For >50 To 100, Deduct</i>	-2.02	
			<i>For >100 To 250, Deduct</i>	-4.03	
			<i>For >250 To 500, Deduct</i>	-6.96	
			<i>For >500, Deduct</i>	-9.90	
06 05 23 00-0082	EA		3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	29.92	
			<i>For >10 To 50, Deduct</i>	-1.06	
			<i>For >50 To 100, Deduct</i>	-2.34	
			<i>For >100 To 250, Deduct</i>	-4.68	
			<i>For >250 To 500, Deduct</i>	-8.08	
			<i>For >500, Deduct</i>	-11.48	
06 05 23 00-0083	EA		3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	32.27	
			<i>For >10 To 50, Deduct</i>	-1.11	
			<i>For >50 To 100, Deduct</i>	-2.47	
			<i>For >100 To 250, Deduct</i>	-4.94	
			<i>For >250 To 500, Deduct</i>	-8.52	
			<i>For >500, Deduct</i>	-12.10	
06 05 23 00-0084	EA		3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	36.78	
			<i>For >10 To 50, Deduct</i>	-1.21	
			<i>For >50 To 100, Deduct</i>	-2.73	
			<i>For >100 To 250, Deduct</i>	-5.46	
			<i>For >250 To 500, Deduct</i>	-9.39	
			<i>For >500, Deduct</i>	-13.32	
06 05 23 00-0085	EA		3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	39.21	
			<i>For >10 To 50, Deduct</i>	-1.25	
			<i>For >50 To 100, Deduct</i>	-2.86	
			<i>For >100 To 250, Deduct</i>	-5.72	
			<i>For >250 To 500, Deduct</i>	-9.84	
			<i>For >500, Deduct</i>	-13.95	
06 05 23 00-0086			304/18-8 Stainless Steel, Carriage Bolts <small>(06 05 23 00-0039)</small>	13.55	
06 05 23 00-0087	EA		1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	13.55	
			<i>For >10 To 50, Deduct</i>	-0.63	
			<i>For >50 To 100, Deduct</i>	-1.28	
			<i>For >100 To 250, Deduct</i>	-2.56	
			<i>For >250 To 500, Deduct</i>	-4.46	
			<i>For >500, Deduct</i>	-6.37	
06 05 23 00-0088	EA		1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	14.64	
			<i>For >10 To 50, Deduct</i>	-0.63	
			<i>For >50 To 100, Deduct</i>	-1.31	
			<i>For >100 To 250, Deduct</i>	-2.61	
			<i>For >250 To 500, Deduct</i>	-4.55	
			<i>For >500, Deduct</i>	-6.48	
06 05 23 00-0089	EA		1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	15.36	
			<i>For >10 To 50, Deduct</i>	-0.63	
			<i>For >50 To 100, Deduct</i>	-1.32	
			<i>For >100 To 250, Deduct</i>	-2.65	
			<i>For >250 To 500, Deduct</i>	-4.60	
			<i>For >500, Deduct</i>	-6.55	
06 05 23 00-0090	EA		1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	25.06	
			<i>For >10 To 50, Deduct</i>	-0.72	
			<i>For >50 To 100, Deduct</i>	-1.71	
			<i>For >100 To 250, Deduct</i>	-3.43	
			<i>For >250 To 500, Deduct</i>	-5.86	
			<i>For >500, Deduct</i>	-8.30	
06 05 23 00-0091	EA		3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	15.53	
			<i>For >10 To 50, Deduct</i>	-0.68	
			<i>For >50 To 100, Deduct</i>	-1.40	
			<i>For >100 To 250, Deduct</i>	-2.80	
			<i>For >250 To 500, Deduct</i>	-4.88	
			<i>For >500, Deduct</i>	-6.96	
06 05 23 00-0092	EA		3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	18.10	
			<i>For >10 To 50, Deduct</i>	-0.72	
			<i>For >50 To 100, Deduct</i>	-1.54	
			<i>For >100 To 250, Deduct</i>	-3.08	
			<i>For >250 To 500, Deduct</i>	-5.34	
			<i>For >500, Deduct</i>	-7.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0093 EA 3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	18.45	
<i>For >10 To 50, Deduct</i>	-0.72	
<i>For >50 To 100, Deduct</i>	-1.55	
<i>For >100 To 250, Deduct</i>	-3.09	
<i>For >250 To 500, Deduct</i>	-5.37	
<i>For >500, Deduct</i>	-7.64	
06 05 23 00-0094 EA 3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	32.80	
<i>For >10 To 50, Deduct</i>	-0.87	
<i>For >50 To 100, Deduct</i>	-2.12	
<i>For >100 To 250, Deduct</i>	-4.24	
<i>For >250 To 500, Deduct</i>	-7.23	
<i>For >500, Deduct</i>	-10.22	
06 05 23 00-0095 EA 3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	39.50	
<i>For >10 To 50, Deduct</i>	-0.92	
<i>For >50 To 100, Deduct</i>	-2.36	
<i>For >100 To 250, Deduct</i>	-4.72	
<i>For >250 To 500, Deduct</i>	-8.00	
<i>For >500, Deduct</i>	-11.28	
06 05 23 00-0096 EA 3/8" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	44.21	
<i>For >10 To 50, Deduct</i>	-1.01	
<i>For >50 To 100, Deduct</i>	-2.62	
<i>For >100 To 250, Deduct</i>	-5.25	
<i>For >250 To 500, Deduct</i>	-8.88	
<i>For >500, Deduct</i>	-12.52	
06 05 23 00-0097 EA 1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	19.38	
<i>For >10 To 50, Deduct</i>	-0.72	
<i>For >50 To 100, Deduct</i>	-1.57	
<i>For >100 To 250, Deduct</i>	-3.14	
<i>For >250 To 500, Deduct</i>	-5.44	
<i>For >500, Deduct</i>	-7.73	
06 05 23 00-0098 EA 1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	21.87	
<i>For >10 To 50, Deduct</i>	-0.77	
<i>For >50 To 100, Deduct</i>	-1.70	
<i>For >100 To 250, Deduct</i>	-3.41	
<i>For >250 To 500, Deduct</i>	-5.88	
<i>For >500, Deduct</i>	-8.36	
06 05 23 00-0099 EA 1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	26.17	
<i>For >10 To 50, Deduct</i>	-0.82	
<i>For >50 To 100, Deduct</i>	-1.88	
<i>For >100 To 250, Deduct</i>	-3.77	
<i>For >250 To 500, Deduct</i>	-6.47	
<i>For >500, Deduct</i>	-9.17	
06 05 23 00-0100 EA 1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	40.51	
<i>For >10 To 50, Deduct</i>	-0.92	
<i>For >50 To 100, Deduct</i>	-2.39	
<i>For >100 To 250, Deduct</i>	-4.78	
<i>For >250 To 500, Deduct</i>	-8.08	
<i>For >500, Deduct</i>	-11.38	
06 05 23 00-0101 EA 1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	45.83	
<i>For >10 To 50, Deduct</i>	-1.06	
<i>For >50 To 100, Deduct</i>	-2.74	
<i>For >100 To 250, Deduct</i>	-5.47	
<i>For >250 To 500, Deduct</i>	-9.27	
<i>For >500, Deduct</i>	-13.07	
06 05 23 00-0102 EA 1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	70.51	
<i>For >10 To 50, Deduct</i>	-1.16	
<i>For >50 To 100, Deduct</i>	-3.50	
<i>For >100 To 250, Deduct</i>	-7.00	
<i>For >250 To 500, Deduct</i>	-11.65	
<i>For >500, Deduct</i>	-16.31	
06 05 23 00-0103 EA 3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	54.81	
<i>For >10 To 50, Deduct</i>	-0.92	
<i>For >50 To 100, Deduct</i>	-2.75	
<i>For >100 To 250, Deduct</i>	-5.49	
<i>For >250 To 500, Deduct</i>	-9.15	
<i>For >500, Deduct</i>	-12.81	
06 05 23 00-0104 EA 3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	76.93	
<i>For >10 To 50, Deduct</i>	-1.06	
<i>For >50 To 100, Deduct</i>	-3.51	
<i>For >100 To 250, Deduct</i>	-7.03	
<i>For >250 To 500, Deduct</i>	-11.61	
<i>For >500, Deduct</i>	-16.18	
06 05 23 00-0105 EA 3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	85.06	
<i>For >10 To 50, Deduct</i>	-1.11	
<i>For >50 To 100, Deduct</i>	-3.79	
<i>For >100 To 250, Deduct</i>	-7.58	
<i>For >250 To 500, Deduct</i>	-12.48	
<i>For >500, Deduct</i>	-17.38	
06 05 23 00-0106 EA 3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	124.31	
<i>For >10 To 50, Deduct</i>	-1.21	
<i>For >50 To 100, Deduct</i>	-4.92	
<i>For >100 To 250, Deduct</i>	-9.83	
<i>For >250 To 500, Deduct</i>	-15.95	
<i>For >500, Deduct</i>	-22.08	

06 Wood, Plastics, and Composites**06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0107	EA		3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	130.72	
			<i>For >10 To 50, Deduct</i>	-1.25	
			<i>For >50 To 100, Deduct</i>	-5.15	
			<i>For >100 To 250, Deduct</i>	-10.30	
			<i>For >250 To 500, Deduct</i>	-16.70	
			<i>For >500, Deduct</i>	-23.10	
06 05 23 00-0108			316 Stainless Steel, Carriage Bolts <small>(06 05 23 00-0039)</small>		
06 05 23 00-0109	EA		1/4" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	18.63	
			<i>For >10 To 50, Deduct</i>	-0.63	
			<i>For >50 To 100, Deduct</i>	-1.41	
			<i>For >100 To 250, Deduct</i>	-2.81	
			<i>For >250 To 500, Deduct</i>	-4.85	
			<i>For >500, Deduct</i>	-6.88	
06 05 23 00-0110	EA		1/4" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	20.56	
			<i>For >10 To 50, Deduct</i>	-0.63	
			<i>For >50 To 100, Deduct</i>	-1.45	
			<i>For >100 To 250, Deduct</i>	-2.91	
			<i>For >250 To 500, Deduct</i>	-4.99	
			<i>For >500, Deduct</i>	-7.07	
06 05 23 00-0111	EA		3/8" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	22.19	
			<i>For >10 To 50, Deduct</i>	-0.68	
			<i>For >50 To 100, Deduct</i>	-1.57	
			<i>For >100 To 250, Deduct</i>	-3.14	
			<i>For >250 To 500, Deduct</i>	-5.38	
			<i>For >500, Deduct</i>	-7.62	
06 05 23 00-0112	EA		3/8" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	25.84	
			<i>For >10 To 50, Deduct</i>	-0.72	
			<i>For >50 To 100, Deduct</i>	-1.73	
			<i>For >100 To 250, Deduct</i>	-3.46	
			<i>For >250 To 500, Deduct</i>	-5.92	
			<i>For >500, Deduct</i>	-8.38	
06 05 23 00-0113	EA		1/2" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	34.43	
			<i>For >10 To 50, Deduct</i>	-0.72	
			<i>For >50 To 100, Deduct</i>	-1.95	
			<i>For >100 To 250, Deduct</i>	-3.89	
			<i>For >250 To 500, Deduct</i>	-6.56	
			<i>For >500, Deduct</i>	-9.24	
06 05 23 00-0114	EA		1/2" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	37.46	
			<i>For >10 To 50, Deduct</i>	-0.77	
			<i>For >50 To 100, Deduct</i>	-2.09	
			<i>For >100 To 250, Deduct</i>	-4.19	
			<i>For >250 To 500, Deduct</i>	-7.05	
			<i>For >500, Deduct</i>	-9.92	
06 05 23 00-0115	EA		1/2" Diameter x 6" Length, 316 Stainless Steel, Carriage Bolt.....	40.34	
			<i>For >10 To 50, Deduct</i>	-0.82	
			<i>For >50 To 100, Deduct</i>	-2.24	
			<i>For >100 To 250, Deduct</i>	-4.48	
			<i>For >250 To 500, Deduct</i>	-7.53	
			<i>For >500, Deduct</i>	-10.59	
06 05 23 00-0116			Hex Lag Bolts <small>(06 05 23 00-0038)</small>		
			Note: Includes drilling of holes in any material.		
06 05 23 00-0117			Zinc Plated Steel, Hex Lag Bolts <small>(06 05 23 00-0116)</small>		
06 05 23 00-0118	EA		1/4" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt.....	12.26	
			<i>For >10 To 50, Deduct</i>	-0.60	
			<i>For >50 To 100, Deduct</i>	-1.21	
			<i>For >100 To 250, Deduct</i>	-2.42	
			<i>For >250 To 500, Deduct</i>	-4.24	
			<i>For >500, Deduct</i>	-6.05	
06 05 23 00-0119	EA		1/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	12.39	
			<i>For >10 To 50, Deduct</i>	-0.60	
			<i>For >50 To 100, Deduct</i>	-1.21	
			<i>For >100 To 250, Deduct</i>	-2.43	
			<i>For >250 To 500, Deduct</i>	-4.25	
			<i>For >500, Deduct</i>	-6.06	
06 05 23 00-0120	EA		1/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	12.64	
			<i>For >10 To 50, Deduct</i>	-0.60	
			<i>For >50 To 100, Deduct</i>	-1.22	
			<i>For >100 To 250, Deduct</i>	-2.44	
			<i>For >250 To 500, Deduct</i>	-4.26	
			<i>For >500, Deduct</i>	-6.09	
06 05 23 00-0121	EA		3/8" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt.....	13.52	
			<i>For >10 To 50, Deduct</i>	-0.66	
			<i>For >50 To 100, Deduct</i>	-1.32	
			<i>For >100 To 250, Deduct</i>	-2.65	
			<i>For >250 To 500, Deduct</i>	-4.63	
			<i>For >500, Deduct</i>	-6.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0122 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	14.71	
<i>For >10 To 50, Deduct</i>	-0.70	
<i>For >50 To 100, Deduct</i>	-1.42	
<i>For >100 To 250, Deduct</i>	-2.85	
<i>For >250 To 500, Deduct</i>	-4.98	
<i>For >500, Deduct</i>	-7.10	
06 05 23 00-0123 EA 3/8" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	14.99	
<i>For >10 To 50, Deduct</i>	-0.70	
<i>For >50 To 100, Deduct</i>	-1.43	
<i>For >100 To 250, Deduct</i>	-2.86	
<i>For >250 To 500, Deduct</i>	-5.00	
<i>For >500, Deduct</i>	-7.13	
06 05 23 00-0124 EA 3/8" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt.....	18.38	
<i>For >10 To 50, Deduct</i>	-0.85	
<i>For >50 To 100, Deduct</i>	-1.73	
<i>For >100 To 250, Deduct</i>	-3.45	
<i>For >250 To 500, Deduct</i>	-6.03	
<i>For >500, Deduct</i>	-8.60	
06 05 23 00-0125 EA 3/8" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	19.47	
<i>For >10 To 50, Deduct</i>	-0.89	
<i>For >50 To 100, Deduct</i>	-1.82	
<i>For >100 To 250, Deduct</i>	-3.65	
<i>For >250 To 500, Deduct</i>	-6.36	
<i>For >500, Deduct</i>	-9.08	
06 05 23 00-0126 EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt.....	14.99	
<i>For >10 To 50, Deduct</i>	-0.71	
<i>For >50 To 100, Deduct</i>	-1.44	
<i>For >100 To 250, Deduct</i>	-2.88	
<i>For >250 To 500, Deduct</i>	-5.02	
<i>For >500, Deduct</i>	-7.17	
06 05 23 00-0127 EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	16.34	
<i>For >10 To 50, Deduct</i>	-0.76	
<i>For >50 To 100, Deduct</i>	-1.54	
<i>For >100 To 250, Deduct</i>	-3.09	
<i>For >250 To 500, Deduct</i>	-5.39	
<i>For >500, Deduct</i>	-7.69	
06 05 23 00-0128 EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	17.81	
<i>For >10 To 50, Deduct</i>	-0.80	
<i>For >50 To 100, Deduct</i>	-1.65	
<i>For >100 To 250, Deduct</i>	-3.30	
<i>For >250 To 500, Deduct</i>	-5.76	
<i>For >500, Deduct</i>	-8.21	
06 05 23 00-0129 EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt.....	20.31	
<i>For >10 To 50, Deduct</i>	-0.90	
<i>For >50 To 100, Deduct</i>	-1.86	
<i>For >100 To 250, Deduct</i>	-3.71	
<i>For >250 To 500, Deduct</i>	-6.47	
<i>For >500, Deduct</i>	-9.22	
06 05 23 00-0130 EA 1/2" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	23.95	
<i>For >10 To 50, Deduct</i>	-1.04	
<i>For >50 To 100, Deduct</i>	-2.16	
<i>For >100 To 250, Deduct</i>	-4.32	
<i>For >250 To 500, Deduct</i>	-7.52	
<i>For >500, Deduct</i>	-10.72	
06 05 23 00-0131 EA 1/2" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt.....	26.14	
<i>For >10 To 50, Deduct</i>	-1.14	
<i>For >50 To 100, Deduct</i>	-2.36	
<i>For >100 To 250, Deduct</i>	-4.71	
<i>For >250 To 500, Deduct</i>	-8.20	
<i>For >500, Deduct</i>	-11.69	
06 05 23 00-0132 EA 3/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	22.01	
<i>For >10 To 50, Deduct</i>	-0.90	
<i>For >50 To 100, Deduct</i>	-1.90	
<i>For >100 To 250, Deduct</i>	-3.80	
<i>For >250 To 500, Deduct</i>	-6.59	
<i>For >500, Deduct</i>	-9.39	
06 05 23 00-0133 EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	26.31	
<i>For >10 To 50, Deduct</i>	-1.04	
<i>For >50 To 100, Deduct</i>	-2.22	
<i>For >100 To 250, Deduct</i>	-4.44	
<i>For >250 To 500, Deduct</i>	-7.70	
<i>For >500, Deduct</i>	-10.96	
06 05 23 00-0134 EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt.....	29.19	
<i>For >10 To 50, Deduct</i>	-1.09	
<i>For >50 To 100, Deduct</i>	-2.36	
<i>For >100 To 250, Deduct</i>	-4.72	
<i>For >250 To 500, Deduct</i>	-8.17	
<i>For >500, Deduct</i>	-11.62	
06 05 23 00-0135 EA 3/4" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	32.85	
<i>For >10 To 50, Deduct</i>	-1.18	
<i>For >50 To 100, Deduct</i>	-2.59	
<i>For >100 To 250, Deduct</i>	-5.19	
<i>For >250 To 500, Deduct</i>	-8.96	
<i>For >500, Deduct</i>	-12.74	

06 Wood, Plastics, and Composites**06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0136	EA		3/4" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt.....	36.92	
			<i>For >10 To 50, Deduct</i>	-1.23	
			<i>For >50 To 100, Deduct</i>	-2.77	
			<i>For >100 To 250, Deduct</i>	-5.53	
			<i>For >250 To 500, Deduct</i>	-9.53	
			<i>For >500, Deduct</i>	-13.53	
06 05 23 00-0137			Hot Dipped Galvanized Steel, Hex Lag Bolts <small>(06 05 23 00-0116)</small>		
06 05 23 00-0138	EA		1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	12.32	
			<i>For >10 To 50, Deduct</i>	-0.60	
			<i>For >50 To 100, Deduct</i>	-1.21	
			<i>For >100 To 250, Deduct</i>	-2.43	
			<i>For >250 To 500, Deduct</i>	-4.24	
			<i>For >500, Deduct</i>	-6.06	
06 05 23 00-0139	EA		1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	12.51	
			<i>For >10 To 50, Deduct</i>	-0.60	
			<i>For >50 To 100, Deduct</i>	-1.22	
			<i>For >100 To 250, Deduct</i>	-2.43	
			<i>For >250 To 500, Deduct</i>	-4.25	
			<i>For >500, Deduct</i>	-6.08	
06 05 23 00-0140	EA		1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	12.71	
			<i>For >10 To 50, Deduct</i>	-0.60	
			<i>For >50 To 100, Deduct</i>	-1.22	
			<i>For >100 To 250, Deduct</i>	-2.44	
			<i>For >250 To 500, Deduct</i>	-4.27	
			<i>For >500, Deduct</i>	-6.10	
06 05 23 00-0141	EA		3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	13.63	
			<i>For >10 To 50, Deduct</i>	-0.66	
			<i>For >50 To 100, Deduct</i>	-1.33	
			<i>For >100 To 250, Deduct</i>	-2.65	
			<i>For >250 To 500, Deduct</i>	-4.64	
			<i>For >500, Deduct</i>	-6.62	
06 05 23 00-0142	EA		3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	14.87	
			<i>For >10 To 50, Deduct</i>	-0.70	
			<i>For >50 To 100, Deduct</i>	-1.43	
			<i>For >100 To 250, Deduct</i>	-2.86	
			<i>For >250 To 500, Deduct</i>	-4.99	
			<i>For >500, Deduct</i>	-7.12	
06 05 23 00-0143	EA		3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	15.19	
			<i>For >10 To 50, Deduct</i>	-0.70	
			<i>For >50 To 100, Deduct</i>	-1.44	
			<i>For >100 To 250, Deduct</i>	-2.87	
			<i>For >250 To 500, Deduct</i>	-5.01	
			<i>For >500, Deduct</i>	-7.15	
06 05 23 00-0144	EA		3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	18.76	
			<i>For >10 To 50, Deduct</i>	-0.85	
			<i>For >50 To 100, Deduct</i>	-1.74	
			<i>For >100 To 250, Deduct</i>	-3.47	
			<i>For >250 To 500, Deduct</i>	-6.05	
			<i>For >500, Deduct</i>	-8.64	
06 05 23 00-0145	EA		3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	20.11	
			<i>For >10 To 50, Deduct</i>	-0.89	
			<i>For >50 To 100, Deduct</i>	-1.84	
			<i>For >100 To 250, Deduct</i>	-3.68	
			<i>For >250 To 500, Deduct</i>	-6.41	
			<i>For >500, Deduct</i>	-9.14	
06 05 23 00-0146	EA		1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	15.28	
			<i>For >10 To 50, Deduct</i>	-0.71	
			<i>For >50 To 100, Deduct</i>	-1.45	
			<i>For >100 To 250, Deduct</i>	-2.89	
			<i>For >250 To 500, Deduct</i>	-5.05	
			<i>For >500, Deduct</i>	-7.20	
06 05 23 00-0147	EA		1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	16.50	
			<i>For >10 To 50, Deduct</i>	-0.76	
			<i>For >50 To 100, Deduct</i>	-1.55	
			<i>For >100 To 250, Deduct</i>	-3.09	
			<i>For >250 To 500, Deduct</i>	-5.40	
			<i>For >500, Deduct</i>	-7.70	
06 05 23 00-0148	EA		1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	18.09	
			<i>For >10 To 50, Deduct</i>	-0.80	
			<i>For >50 To 100, Deduct</i>	-1.66	
			<i>For >100 To 250, Deduct</i>	-3.32	
			<i>For >250 To 500, Deduct</i>	-5.78	
			<i>For >500, Deduct</i>	-8.24	
06 05 23 00-0149	EA		1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	21.17	
			<i>For >10 To 50, Deduct</i>	-0.90	
			<i>For >50 To 100, Deduct</i>	-1.88	
			<i>For >100 To 250, Deduct</i>	-3.75	
			<i>For >250 To 500, Deduct</i>	-6.53	
			<i>For >500, Deduct</i>	-9.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0150 EA 1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	24.37	
<i>For >10 To 50, Deduct</i>	-1.04	
<i>For >50 To 100, Deduct</i>	-2.17	
<i>For >100 To 250, Deduct</i>	-4.34	
<i>For >250 To 500, Deduct</i>	-7.55	
<i>For >500, Deduct</i>	-10.76	
06 05 23 00-0151 EA 1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	27.17	
<i>For >10 To 50, Deduct</i>	-1.14	
<i>For >50 To 100, Deduct</i>	-2.38	
<i>For >100 To 250, Deduct</i>	-4.76	
<i>For >250 To 500, Deduct</i>	-8.28	
<i>For >500, Deduct</i>	-11.80	
06 05 23 00-0152 EA 3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	22.64	
<i>For >10 To 50, Deduct</i>	-0.90	
<i>For >50 To 100, Deduct</i>	-1.91	
<i>For >100 To 250, Deduct</i>	-3.83	
<i>For >250 To 500, Deduct</i>	-6.64	
<i>For >500, Deduct</i>	-9.45	
06 05 23 00-0153 EA 3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	26.89	
<i>For >10 To 50, Deduct</i>	-1.04	
<i>For >50 To 100, Deduct</i>	-2.23	
<i>For >100 To 250, Deduct</i>	-4.47	
<i>For >250 To 500, Deduct</i>	-7.74	
<i>For >500, Deduct</i>	-11.01	
06 05 23 00-0154 EA 3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	30.16	
<i>For >10 To 50, Deduct</i>	-1.09	
<i>For >50 To 100, Deduct</i>	-2.39	
<i>For >100 To 250, Deduct</i>	-4.77	
<i>For >250 To 500, Deduct</i>	-8.24	
<i>For >500, Deduct</i>	-11.72	
06 05 23 00-0155 EA 3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	35.13	
<i>For >10 To 50, Deduct</i>	-1.18	
<i>For >50 To 100, Deduct</i>	-2.65	
<i>For >100 To 250, Deduct</i>	-5.30	
<i>For >250 To 500, Deduct</i>	-9.14	
<i>For >500, Deduct</i>	-12.97	
06 05 23 00-0156 EA 3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	39.36	
<i>For >10 To 50, Deduct</i>	-1.23	
<i>For >50 To 100, Deduct</i>	-2.83	
<i>For >100 To 250, Deduct</i>	-5.66	
<i>For >250 To 500, Deduct</i>	-9.71	
<i>For >500, Deduct</i>	-13.77	
06 05 23 00-0157 304/18-8 Stainless Steel, Hex Lag Bolts <small>(06 05 23 00-0116)</small>		
06 05 23 00-0158 EA 1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	12.75	
<i>For >10 To 50, Deduct</i>	-0.60	
<i>For >50 To 100, Deduct</i>	-1.22	
<i>For >100 To 250, Deduct</i>	-2.45	
<i>For >250 To 500, Deduct</i>	-4.27	
<i>For >500, Deduct</i>	-6.10	
06 05 23 00-0159 EA 1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	13.27	
<i>For >10 To 50, Deduct</i>	-0.60	
<i>For >50 To 100, Deduct</i>	-1.24	
<i>For >100 To 250, Deduct</i>	-2.47	
<i>For >250 To 500, Deduct</i>	-4.31	
<i>For >500, Deduct</i>	-6.15	
06 05 23 00-0160 EA 1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	14.67	
<i>For >10 To 50, Deduct</i>	-0.60	
<i>For >50 To 100, Deduct</i>	-1.27	
<i>For >100 To 250, Deduct</i>	-2.54	
<i>For >250 To 500, Deduct</i>	-4.42	
<i>For >500, Deduct</i>	-6.29	
06 05 23 00-0161 EA 3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	14.91	
<i>For >10 To 50, Deduct</i>	-0.66	
<i>For >50 To 100, Deduct</i>	-1.36	
<i>For >100 To 250, Deduct</i>	-2.72	
<i>For >250 To 500, Deduct</i>	-4.73	
<i>For >500, Deduct</i>	-6.75	
06 05 23 00-0162 EA 3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	16.63	
<i>For >10 To 50, Deduct</i>	-0.70	
<i>For >50 To 100, Deduct</i>	-1.47	
<i>For >100 To 250, Deduct</i>	-2.94	
<i>For >250 To 500, Deduct</i>	-5.12	
<i>For >500, Deduct</i>	-7.30	
06 05 23 00-0163 EA 3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	17.52	
<i>For >10 To 50, Deduct</i>	-0.70	
<i>For >50 To 100, Deduct</i>	-1.49	
<i>For >100 To 250, Deduct</i>	-2.99	
<i>For >250 To 500, Deduct</i>	-5.19	
<i>For >500, Deduct</i>	-7.38	

06 Wood, Plastics, and Composites**06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0164	EA		3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	32.82	
			<i>For >10 To 50, Deduct</i>	-0.85	
			<i>For >50 To 100, Deduct</i>	-2.09	
			<i>For >100 To 250, Deduct</i>	-4.18	
			<i>For >250 To 500, Deduct</i>	-7.11	
			<i>For >500, Deduct</i>	-10.04	
06 05 23 00-0165	EA		3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	44.67	
			<i>For >10 To 50, Deduct</i>	-0.89	
			<i>For >50 To 100, Deduct</i>	-2.45	
			<i>For >100 To 250, Deduct</i>	-4.91	
			<i>For >250 To 500, Deduct</i>	-8.25	
			<i>For >500, Deduct</i>	-11.60	
06 05 23 00-0166	EA		1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	17.65	
			<i>For >10 To 50, Deduct</i>	-0.71	
			<i>For >50 To 100, Deduct</i>	-1.50	
			<i>For >100 To 250, Deduct</i>	-3.01	
			<i>For >250 To 500, Deduct</i>	-5.22	
			<i>For >500, Deduct</i>	-7.44	
06 05 23 00-0167	EA		1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	20.47	
			<i>For >10 To 50, Deduct</i>	-0.76	
			<i>For >50 To 100, Deduct</i>	-1.65	
			<i>For >100 To 250, Deduct</i>	-3.29	
			<i>For >250 To 500, Deduct</i>	-5.70	
			<i>For >500, Deduct</i>	-8.10	
06 05 23 00-0168	EA		1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	24.64	
			<i>For >10 To 50, Deduct</i>	-0.80	
			<i>For >50 To 100, Deduct</i>	-1.82	
			<i>For >100 To 250, Deduct</i>	-3.64	
			<i>For >250 To 500, Deduct</i>	-6.27	
			<i>For >500, Deduct</i>	-8.89	
06 05 23 00-0169	EA		1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	47.34	
			<i>For >10 To 50, Deduct</i>	-0.90	
			<i>For >50 To 100, Deduct</i>	-2.53	
			<i>For >100 To 250, Deduct</i>	-5.06	
			<i>For >250 To 500, Deduct</i>	-8.49	
			<i>For >500, Deduct</i>	-11.92	
06 05 23 00-0170	EA		1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	63.54	
			<i>For >10 To 50, Deduct</i>	-1.04	
			<i>For >50 To 100, Deduct</i>	-3.15	
			<i>For >100 To 250, Deduct</i>	-6.30	
			<i>For >250 To 500, Deduct</i>	-10.49	
			<i>For >500, Deduct</i>	-14.68	
06 05 23 00-0171	EA		1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	73.84	
			<i>For >10 To 50, Deduct</i>	-1.14	
			<i>For >50 To 100, Deduct</i>	-3.55	
			<i>For >100 To 250, Deduct</i>	-7.10	
			<i>For >250 To 500, Deduct</i>	-11.78	
			<i>For >500, Deduct</i>	-16.46	
06 05 23 00-0172	EA		3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	67.74	
			<i>For >10 To 50, Deduct</i>	-0.90	
			<i>For >50 To 100, Deduct</i>	-3.04	
			<i>For >100 To 250, Deduct</i>	-6.08	
			<i>For >250 To 500, Deduct</i>	-10.02	
			<i>For >500, Deduct</i>	-13.96	
06 05 23 00-0173	EA		3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	77.50	
			<i>For >10 To 50, Deduct</i>	-1.04	
			<i>For >50 To 100, Deduct</i>	-3.50	
			<i>For >100 To 250, Deduct</i>	-7.00	
			<i>For >250 To 500, Deduct</i>	-11.54	
			<i>For >500, Deduct</i>	-16.07	
06 05 23 00-0174	EA		3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	80.67	
			<i>For >10 To 50, Deduct</i>	-1.09	
			<i>For >50 To 100, Deduct</i>	-3.65	
			<i>For >100 To 250, Deduct</i>	-7.30	
			<i>For >250 To 500, Deduct</i>	-12.03	
			<i>For >500, Deduct</i>	-16.77	
06 05 23 00-0175	EA		3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	110.19	
			<i>For >10 To 50, Deduct</i>	-1.18	
			<i>For >50 To 100, Deduct</i>	-4.53	
			<i>For >100 To 250, Deduct</i>	-9.06	
			<i>For >250 To 500, Deduct</i>	-14.77	
			<i>For >500, Deduct</i>	-20.48	
06 05 23 00-0176	EA		3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	119.94	
			<i>For >10 To 50, Deduct</i>	-1.23	
			<i>For >50 To 100, Deduct</i>	-4.84	
			<i>For >100 To 250, Deduct</i>	-9.69	
			<i>For >250 To 500, Deduct</i>	-15.76	
			<i>For >500, Deduct</i>	-21.83	

06 05 23 00-0177 Timber Bolts (06 05 23 00-0038)

Note: Includes drilling of holes in any material.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0178 EA 5/8" - 11 x 4" Threaded x 8" OAL A153 Galvanized Timber Bolt (Fastenal #11103914)	26.80	
<i>For >10 To 50, Deduct</i>	-1.00	
<i>For >50 To 100, Deduct</i>	-2.17	
<i>For >100 To 250, Deduct</i>	-4.33	
<i>For >250 To 500, Deduct</i>	-7.50	
<i>For >500, Deduct</i>	-10.66	
06 05 23 00-0179 EA 5/8" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103915)	30.21	
<i>For >10 To 50, Deduct</i>	-1.12	
<i>For >50 To 100, Deduct</i>	-2.43	
<i>For >100 To 250, Deduct</i>	-4.86	
<i>For >250 To 500, Deduct</i>	-8.41	
<i>For >500, Deduct</i>	-11.96	
06 05 23 00-0180 EA 5/8" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103916)	32.52	
<i>For >10 To 50, Deduct</i>	-1.19	
<i>For >50 To 100, Deduct</i>	-2.60	
<i>For >100 To 250, Deduct</i>	-5.20	
<i>For >250 To 500, Deduct</i>	-8.98	
<i>For >500, Deduct</i>	-12.77	
06 05 23 00-0181 EA 5/8" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103917)	35.78	
<i>For >10 To 50, Deduct</i>	-1.26	
<i>For >50 To 100, Deduct</i>	-2.78	
<i>For >100 To 250, Deduct</i>	-5.56	
<i>For >250 To 500, Deduct</i>	-9.61	
<i>For >500, Deduct</i>	-13.65	
06 05 23 00-0182 EA 5/8" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103918)	37.98	
<i>For >10 To 50, Deduct</i>	-1.33	
<i>For >50 To 100, Deduct</i>	-2.94	
<i>For >100 To 250, Deduct</i>	-5.88	
<i>For >250 To 500, Deduct</i>	-10.14	
<i>For >500, Deduct</i>	-14.41	
06 05 23 00-0183 EA 5/8" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103919)	39.49	
<i>For >10 To 50, Deduct</i>	-1.38	
<i>For >50 To 100, Deduct</i>	-3.06	
<i>For >100 To 250, Deduct</i>	-6.13	
<i>For >250 To 500, Deduct</i>	-10.58	
<i>For >500, Deduct</i>	-15.03	
06 05 23 00-0184 EA 3/4" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103920)	35.06	
<i>For >10 To 50, Deduct</i>	-1.19	
<i>For >50 To 100, Deduct</i>	-2.66	
<i>For >100 To 250, Deduct</i>	-5.32	
<i>For >250 To 500, Deduct</i>	-9.17	
<i>For >500, Deduct</i>	-13.03	
06 05 23 00-0185 EA 3/4" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103921)	36.63	
<i>For >10 To 50, Deduct</i>	-1.24	
<i>For >50 To 100, Deduct</i>	-2.77	
<i>For >100 To 250, Deduct</i>	-5.55	
<i>For >250 To 500, Deduct</i>	-9.56	
<i>For >500, Deduct</i>	-13.57	
06 05 23 00-0186 EA 3/4" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103922)	40.16	
<i>For >10 To 50, Deduct</i>	-1.31	
<i>For >50 To 100, Deduct</i>	-2.97	
<i>For >100 To 250, Deduct</i>	-5.94	
<i>For >250 To 500, Deduct</i>	-10.23	
<i>For >500, Deduct</i>	-14.51	
06 05 23 00-0187 EA 3/4" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103923)	42.93	
<i>For >10 To 50, Deduct</i>	-1.38	
<i>For >50 To 100, Deduct</i>	-3.14	
<i>For >100 To 250, Deduct</i>	-6.29	
<i>For >250 To 500, Deduct</i>	-10.81	
<i>For >500, Deduct</i>	-15.33	
06 05 23 00-0188 EA 3/4" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103924)	45.88	
<i>For >10 To 50, Deduct</i>	-1.45	
<i>For >50 To 100, Deduct</i>	-3.32	
<i>For >100 To 250, Deduct</i>	-6.64	
<i>For >250 To 500, Deduct</i>	-11.40	
<i>For >500, Deduct</i>	-16.17	
06 05 23 00-0189 Supports <small>(06 05 23)</small>		
06 05 23 00-0190 Shear Plates <small>(06 05 23 00-0189)</small>		
06 05 23 00-0191 EA 2-5/8" Diameter, Shear Plate	9.36	3.57
<i>For >10 To 50, Deduct</i>	-0.40	
<i>For >50 To 100, Deduct</i>	-0.84	
<i>For >100 To 250, Deduct</i>	-1.67	
<i>For >250 To 500, Deduct</i>	-2.91	
<i>For >500, Deduct</i>	-4.15	
06 05 23 00-0192 EA 4" Diameter, Shear Plate	11.45	3.76
<i>For >10 To 50, Deduct</i>	-0.42	
<i>For >50 To 100, Deduct</i>	-0.92	
<i>For >100 To 250, Deduct</i>	-1.83	
<i>For >250 To 500, Deduct</i>	-3.17	
<i>For >500, Deduct</i>	-4.50	
06 05 23 00-0193 Sill Anchors <small>(06 05 23 00-0189)</small>		

06 Wood, Plastics, and Composites**06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0194 EA Sill Anchor Embedded In Concrete	8.75	3.76
For >10 To 50, Deduct	-0.42	
For >50 To 100, Deduct	-0.85	
For >100 To 250, Deduct	-1.70	
For >250 To 500, Deduct	-2.96	
For >500, Deduct	-4.23	
06 05 23 00-0195 Spike Grids (06 05 23 00-0189)		
06 05 23 00-0196 EA 4" x 4" Flat Or Curved Spike Grid	8.51	3.57
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.82	
For >100 To 250, Deduct	-1.63	
For >250 To 500, Deduct	-2.85	
For >500, Deduct	-4.07	
06 05 23 00-0197 Split Rings (06 05 23 00-0189)		
06 05 23 00-0198 EA 2-1/2" Diameter Split Ring.....	8.80	3.57
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.82	
For >100 To 250, Deduct	-1.65	
For >250 To 500, Deduct	-2.87	
For >500, Deduct	-4.10	
06 05 23 00-0199 EA 4" Diameter Split Ring.....	10.05	3.95
For >10 To 50, Deduct	-0.44	
For >50 To 100, Deduct	-0.91	
For >100 To 250, Deduct	-1.82	
For >250 To 500, Deduct	-3.17	
For >500, Deduct	-4.51	
06 05 23 00-0200 Toothed Rings (06 05 23 00-0189)		
06 05 23 00-0201 EA 2-5/8" Or 4" Toothed Ring.....	9.92	3.57
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.85	
For >100 To 250, Deduct	-1.70	
For >250 To 500, Deduct	-2.96	
For >500, Deduct	-4.21	
06 05 23 00-0202 Straps And Shields (06 05 23)		
06 05 23 00-0203 Shield Plate (06 05 23 00-0202)		
06 05 23 00-0204 EA 5" Wide x 8" Long, 16 Gauge, Shield Plate (Simpson Strong Tie® PSPN58Z)	5.82	
For >10 To 50, Deduct	-0.06	
For >50 To 100, Deduct	-0.21	
For >100 To 250, Deduct	-0.41	
For >250 To 500, Deduct	-0.74	
For >500, Deduct	-1.14	
06 05 23 00-0205 EA 5" Wide x 16" Long, 16 Gauge, Shield Plate (Simpson Strong Tie® PSPN516Z)	8.67	
For >10 To 50, Deduct	-0.07	
For >50 To 100, Deduct	-0.29	
For >100 To 250, Deduct	-0.58	
For >250 To 500, Deduct	-1.01	
For >500, Deduct	-1.53	
06 05 23 00-0206 Strap Ties (06 05 23 00-0202)		
06 05 23 00-0207 EA 1-1/4" Wide x 9" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA9).....	2.50	
For >10 To 50, Deduct	-0.05	
For >50 To 100, Deduct	-0.11	
For >100 To 250, Deduct	-0.22	
For >250 To 500, Deduct	-0.43	
For >500, Deduct	-0.69	
06 05 23 00-0208 EA 1-1/4" Wide x 12" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA12).....	2.55	
For >10 To 50, Deduct	-0.05	
For >50 To 100, Deduct	-0.11	
For >100 To 250, Deduct	-0.22	
For >250 To 500, Deduct	-0.43	
For >500, Deduct	-0.70	
06 05 23 00-0209 EA 1-1/4" Wide x 15" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA15).....	3.35	
For >10 To 50, Deduct	-0.06	
For >50 To 100, Deduct	-0.14	
For >100 To 250, Deduct	-0.29	
For >250 To 500, Deduct	-0.55	
For >500, Deduct	-0.89	
06 05 23 00-0210 EA 1-1/4" Wide x 18" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA18).....	3.51	
For >10 To 50, Deduct	-0.06	
For >50 To 100, Deduct	-0.15	
For >100 To 250, Deduct	-0.30	
For >250 To 500, Deduct	-0.56	
For >500, Deduct	-0.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0211 EA 1-1/4" Wide x 21" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA21).....	3.64	
<i>For >10 To 50, Deduct</i>	-0.06	
<i>For >50 To 100, Deduct</i>	-0.15	
<i>For >100 To 250, Deduct</i>	-0.30	
<i>For >250 To 500, Deduct</i>	-0.57	
<i>For >500, Deduct</i>	-0.92	
06 05 23 00-0212 EA 1-1/4" Wide x 24" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA24).....	4.28	
<i>For >10 To 50, Deduct</i>	-0.07	
<i>For >50 To 100, Deduct</i>	-0.18	
<i>For >100 To 250, Deduct</i>	-0.36	
<i>For >250 To 500, Deduct</i>	-0.68	
<i>For >500, Deduct</i>	-1.10	
06 05 23 00-0213 EA 1-1/4" Wide x 30" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA30).....	4.66	
<i>For >10 To 50, Deduct</i>	-0.07	
<i>For >50 To 100, Deduct</i>	-0.19	
<i>For >100 To 250, Deduct</i>	-0.38	
<i>For >250 To 500, Deduct</i>	-0.71	
<i>For >500, Deduct</i>	-1.13	
06 05 23 00-0214 EA 1-1/4" Wide x 36" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA36).....	5.53	
<i>For >10 To 50, Deduct</i>	-0.08	
<i>For >50 To 100, Deduct</i>	-0.22	
<i>For >100 To 250, Deduct</i>	-0.45	
<i>For >250 To 500, Deduct</i>	-0.84	
<i>For >500, Deduct</i>	-1.33	
06 05 23 00-0215 EA 1-1/4" Wide x 9" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA9).....	2.55	
<i>For >10 To 50, Deduct</i>	-0.05	
<i>For >50 To 100, Deduct</i>	-0.11	
<i>For >100 To 250, Deduct</i>	-0.22	
<i>For >250 To 500, Deduct</i>	-0.43	
<i>For >500, Deduct</i>	-0.70	
06 05 23 00-0216 EA 1-1/4" Wide x 12" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA12).....	2.74	
<i>For >10 To 50, Deduct</i>	-0.05	
<i>For >50 To 100, Deduct</i>	-0.12	
<i>For >100 To 250, Deduct</i>	-0.23	
<i>For >250 To 500, Deduct</i>	-0.45	
<i>For >500, Deduct</i>	-0.72	
06 05 23 00-0217 EA 1-1/4" Wide x 15" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA15).....	3.47	
<i>For >10 To 50, Deduct</i>	-0.06	
<i>For >50 To 100, Deduct</i>	-0.15	
<i>For >100 To 250, Deduct</i>	-0.29	
<i>For >250 To 500, Deduct</i>	-0.56	
<i>For >500, Deduct</i>	-0.90	
06 05 23 00-0218 EA 1-1/4" Wide x 18" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA18).....	3.68	
<i>For >10 To 50, Deduct</i>	-0.06	
<i>For >50 To 100, Deduct</i>	-0.15	
<i>For >100 To 250, Deduct</i>	-0.30	
<i>For >250 To 500, Deduct</i>	-0.58	
<i>For >500, Deduct</i>	-0.92	
06 05 23 00-0219 EA 1-1/4" Wide x 21" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA21).....	3.88	
<i>For >10 To 50, Deduct</i>	-0.06	
<i>For >50 To 100, Deduct</i>	-0.16	
<i>For >100 To 250, Deduct</i>	-0.31	
<i>For >250 To 500, Deduct</i>	-0.59	
<i>For >500, Deduct</i>	-0.94	
06 05 23 00-0220 EA 1-1/4" Wide x 24" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA24).....	4.58	
<i>For >10 To 50, Deduct</i>	-0.07	
<i>For >50 To 100, Deduct</i>	-0.19	
<i>For >100 To 250, Deduct</i>	-0.37	
<i>For >250 To 500, Deduct</i>	-0.71	
<i>For >500, Deduct</i>	-1.13	
06 05 23 00-0221 EA 1-1/4" Wide x 30" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA30).....	4.89	
<i>For >10 To 50, Deduct</i>	-0.07	
<i>For >50 To 100, Deduct</i>	-0.19	
<i>For >100 To 250, Deduct</i>	-0.39	
<i>For >250 To 500, Deduct</i>	-0.73	
<i>For >500, Deduct</i>	-1.16	
06 05 23 00-0222 EA 1-1/4" Wide x 36" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA36).....	5.90	
<i>For >10 To 50, Deduct</i>	-0.08	
<i>For >50 To 100, Deduct</i>	-0.23	
<i>For >100 To 250, Deduct</i>	-0.46	
<i>For >250 To 500, Deduct</i>	-0.87	
<i>For >500, Deduct</i>	-1.37	
06 05 23 00-0223 EA 1-1/4" Wide x 36" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA49).....	7.54	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.29	
<i>For >100 To 250, Deduct</i>	-0.57	
<i>For >250 To 500, Deduct</i>	-1.05	
<i>For >500, Deduct</i>	-1.64	
06 05 23 00-0224 EA 1-1/4" Wide x 9" Long, 16 Gauge, Strap Tie (Simpson Strong Tie® ST9).....	2.80	
<i>For >10 To 50, Deduct</i>	-0.05	
<i>For >50 To 100, Deduct</i>	-0.12	
<i>For >100 To 250, Deduct</i>	-0.24	
<i>For >250 To 500, Deduct</i>	-0.45	
<i>For >500, Deduct</i>	-0.72	

06 Wood, Plastics, and Composites**06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0225	EA	1-1/4"	Wide x 12" Long, 16 Gauge, Strap Tie (Simpson Strong Tie® ST12)	3.03	
			<i>For >10 To 50, Deduct</i>	-0.05	
			<i>For >50 To 100, Deduct</i>	-0.12	
			<i>For >100 To 250, Deduct</i>	-0.25	
			<i>For >250 To 500, Deduct</i>	-0.47	
			<i>For >500, Deduct</i>	-0.75	
06 05 23 00-0226	EA	1-1/4"	Wide x 18" Long, 16 Gauge, Strap Tie (Simpson Strong Tie® ST18)	4.04	
			<i>For >10 To 50, Deduct</i>	-0.06	
			<i>For >50 To 100, Deduct</i>	-0.16	
			<i>For >100 To 250, Deduct</i>	-0.32	
			<i>For >250 To 500, Deduct</i>	-0.60	
			<i>For >500, Deduct</i>	-0.96	
06 05 23 00-0227	EA	1-1/4"	Wide x 22" Long, 16 Gauge, Strap Tie® (Simpson Strong Tie ST22)	5.20	
			<i>For >10 To 50, Deduct</i>	-0.07	
			<i>For >50 To 100, Deduct</i>	-0.20	
			<i>For >100 To 250, Deduct</i>	-0.41	
			<i>For >250 To 500, Deduct</i>	-0.75	
			<i>For >500, Deduct</i>	-1.19	
06 05 23 00-0228	EA	1-3/8"	Wide x 6" Long, 12 Gauge, Strap Tie (Simpson Strong Tie® HRS6)	3.45	
			<i>For >10 To 50, Deduct</i>	-0.05	
			<i>For >50 To 100, Deduct</i>	-0.13	
			<i>For >100 To 250, Deduct</i>	-0.27	
			<i>For >250 To 500, Deduct</i>	-0.50	
			<i>For >500, Deduct</i>	-0.79	
06 05 23 00-0229	EA	1-3/8"	Wide x 8" Long, 12 Gauge, Strap Tie (Simpson Strong Tie® HRS8)	3.63	
			<i>For >10 To 50, Deduct</i>	-0.05	
			<i>For >50 To 100, Deduct</i>	-0.14	
			<i>For >100 To 250, Deduct</i>	-0.28	
			<i>For >250 To 500, Deduct</i>	-0.51	
			<i>For >500, Deduct</i>	-0.81	
06 05 23 00-0230	EA	1-3/8"	Wide x 12" Long, 12 Gauge, Strap Tie (Simpson Strong Tie® HRS12)	4.88	
			<i>For >10 To 50, Deduct</i>	-0.06	
			<i>For >50 To 100, Deduct</i>	-0.18	
			<i>For >100 To 250, Deduct</i>	-0.36	
			<i>For >250 To 500, Deduct</i>	-0.67	
			<i>For >500, Deduct</i>	-1.04	
06 05 23 00-0231	EA	2-1/16"	Wide x 27" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST27)	8.44	
			<i>For >10 To 50, Deduct</i>	-0.07	
			<i>For >50 To 100, Deduct</i>	-0.28	
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-1.00	
			<i>For >500, Deduct</i>	-1.51	
06 05 23 00-0232	EA	2-1/16"	Wide x 37" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST37)	11.30	
			<i>For >10 To 50, Deduct</i>	-0.08	
			<i>For >50 To 100, Deduct</i>	-0.37	
			<i>For >100 To 250, Deduct</i>	-0.73	
			<i>For >250 To 500, Deduct</i>	-1.27	
			<i>For >500, Deduct</i>	-1.91	
06 05 23 00-0233	EA	2-1/16"	Wide x 48" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST48)	14.81	
			<i>For >10 To 50, Deduct</i>	-0.10	
			<i>For >50 To 100, Deduct</i>	-0.47	
			<i>For >100 To 250, Deduct</i>	-0.93	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-2.37	
06 05 23 00-0234	EA	2-1/16"	Wide x 60" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST60)	21.20	
			<i>For >10 To 50, Deduct</i>	-0.11	
			<i>For >50 To 100, Deduct</i>	-0.64	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-2.13	
			<i>For >500, Deduct</i>	-3.12	
06 05 23 00-0235	EA	2-1/16"	Wide x 72" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST72)	27.16	
			<i>For >10 To 50, Deduct</i>	-0.12	
			<i>For >50 To 100, Deduct</i>	-0.80	
			<i>For >100 To 250, Deduct</i>	-1.60	
			<i>For >250 To 500, Deduct</i>	-2.64	
			<i>For >500, Deduct</i>	-3.82	
06 05 23 00-0236	EA	3"	Wide x 28" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC28)	9.00	
			<i>For >10 To 50, Deduct</i>	-0.07	
			<i>For >50 To 100, Deduct</i>	-0.30	
			<i>For >100 To 250, Deduct</i>	-0.60	
			<i>For >250 To 500, Deduct</i>	-1.04	
			<i>For >500, Deduct</i>	-1.57	
06 05 23 00-0237	EA	3"	Wide x 40" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC40)	12.12	
			<i>For >10 To 50, Deduct</i>	-0.08	
			<i>For >50 To 100, Deduct</i>	-0.39	
			<i>For >100 To 250, Deduct</i>	-0.78	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500, Deduct</i>	-1.99	
06 05 23 00-0238	EA	3"	Wide x 52" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC52)	15.04	
			<i>For >10 To 50, Deduct</i>	-0.10	
			<i>For >50 To 100, Deduct</i>	-0.47	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.61	
			<i>For >500, Deduct</i>	-2.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0239 EA 3" Wide x 66" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC66).....	21.64	
<i>For >10 To 50, Deduct</i>	-0.11	
<i>For >50 To 100, Deduct</i>	-0.65	
<i>For >100 To 250, Deduct</i>	-1.30	
<i>For >250 To 500, Deduct</i>	-2.17	
<i>For >500, Deduct</i>	-3.16	
06 05 23 00-0240 Twist Strap Ties <small>(06 05 23 00-0202)</small>		
06 05 23 00-0241 EA 1-1/4" Wide x 9" Long, 16 Gauge, Twist Strap Tie (Simpson Strong Tie® TS9).....	3.11	
<i>For >10 To 50, Deduct</i>	-0.05	
<i>For >50 To 100, Deduct</i>	-0.13	
<i>For >100 To 250, Deduct</i>	-0.25	
<i>For >250 To 500, Deduct</i>	-0.47	
<i>For >500, Deduct</i>	-0.75	
06 05 23 00-0242 EA 1-1/4" Wide x 12" Long, 16 Gauge, Twist Strap Tie (Simpson Strong Tie® TS12).....	3.52	
<i>For >10 To 50, Deduct</i>	-0.05	
<i>For >50 To 100, Deduct</i>	-0.14	
<i>For >100 To 250, Deduct</i>	-0.27	
<i>For >250 To 500, Deduct</i>	-0.51	
<i>For >500, Deduct</i>	-0.80	
06 05 23 00-0243 EA 1-1/4" Wide x 18" Long, 16 Gauge, Twist Strap Tie (Simpson Strong Tie® TS18).....	4.71	
<i>For >10 To 50, Deduct</i>	-0.06	
<i>For >50 To 100, Deduct</i>	-0.18	
<i>For >100 To 250, Deduct</i>	-0.36	
<i>For >250 To 500, Deduct</i>	-0.65	
<i>For >500, Deduct</i>	-1.03	
06 05 23 00-0244 EA 1-1/4" Wide x 22" Long, 16 Gauge, Twist Strap Tie (Simpson Strong Tie® TS22).....	5.60	
<i>For >10 To 50, Deduct</i>	-0.07	
<i>For >50 To 100, Deduct</i>	-0.21	
<i>For >100 To 250, Deduct</i>	-0.43	
<i>For >250 To 500, Deduct</i>	-0.78	
<i>For >500, Deduct</i>	-1.23	
06 05 23 00-0245 Retrofit Plate Strap <small>(06 05 23 00-0202)</small>		
06 05 23 00-0246 EA 1-3/8" Wide x 18" Long, 16 Gauge, Retrofit Plate Strap (Simpson Strong Tie® RPS18)	4.25	
<i>For >10 To 50, Deduct</i>	-0.06	
<i>For >50 To 100, Deduct</i>	-0.17	
<i>For >100 To 250, Deduct</i>	-0.33	
<i>For >250 To 500, Deduct</i>	-0.62	
<i>For >500, Deduct</i>	-0.98	
06 05 23 00-0247 EA 1-3/8" Wide x 22" Long, 16 Gauge, Retrofit Plate Strap (Simpson Strong Tie® RPS22)	4.64	
<i>For >10 To 50, Deduct</i>	-0.06	
<i>For >50 To 100, Deduct</i>	-0.18	
<i>For >100 To 250, Deduct</i>	-0.35	
<i>For >250 To 500, Deduct</i>	-0.65	
<i>For >500, Deduct</i>	-1.02	
06 05 23 00-0248 EA 1-3/8" Wide x 28" Long, 16 Gauge, Retrofit Plate Strap (Simpson Strong Tie® RPS28)	5.25	
<i>For >10 To 50, Deduct</i>	-0.06	
<i>For >50 To 100, Deduct</i>	-0.19	
<i>For >100 To 250, Deduct</i>	-0.38	
<i>For >250 To 500, Deduct</i>	-0.70	
<i>For >500, Deduct</i>	-1.08	
06 05 23 00-0249 Stud Shoe <small>(06 05 23 00-0202)</small>		
06 05 23 00-0250 EA 6" High With 3-1/4" Wide Tabs For 2X Stud, 16 Gauge, Stud Shoe (Simpson Strong Tie® SS1.5).....	7.51	
<i>For >10 To 50, Deduct</i>	-0.07	
<i>For >50 To 100, Deduct</i>	-0.26	
<i>For >100 To 250, Deduct</i>	-0.52	
<i>For >250 To 500, Deduct</i>	-0.93	
<i>For >500, Deduct</i>	-1.42	
06 05 23 00-0251 EA 6" High With 3-1/4" Wide Tabs For 3X Stud, 16 Gauge, Stud Shoe (Simpson Strong Tie® SS2.5).....	11.00	
<i>For >10 To 50, Deduct</i>	-0.07	
<i>For >50 To 100, Deduct</i>	-0.35	
<i>For >100 To 250, Deduct</i>	-0.70	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500, Deduct</i>	-1.77	
06 05 23 00-0252 EA 6" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie® SS3).....	12.00	
<i>For >10 To 50, Deduct</i>	-0.07	
<i>For >50 To 100, Deduct</i>	-0.37	
<i>For >100 To 250, Deduct</i>	-0.75	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.87	
06 05 23 00-0253 EA 6" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie SS4.5).....	15.34	
<i>For >10 To 50, Deduct</i>	-0.07	
<i>For >50 To 100, Deduct</i>	-0.46	
<i>For >100 To 250, Deduct</i>	-0.91	
<i>For >250 To 500, Deduct</i>	-1.51	
<i>For >500, Deduct</i>	-2.20	

06 Wood, Plastics, and Composites**06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0254	EA		7-1/8" High With 3-1/4" Wide Tabs For 2X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie HSS2-SDS1.5).....	17.15	
			<i>For >10 To 50, Deduct</i>	-0.07	
			<i>For >50 To 100, Deduct</i>	-0.50	
			<i>For >100 To 250, Deduct</i>	-1.00	
			<i>For >250 To 500, Deduct</i>	-1.65	
			<i>For >500, Deduct</i>	-2.38	
06 05 23 00-0255	EA		7-1/8" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie HSS2-2-SDS3)	21.03	
			<i>For >10 To 50, Deduct</i>	-0.07	
			<i>For >50 To 100, Deduct</i>	-0.60	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.94	
			<i>For >500, Deduct</i>	-2.77	
06 05 23 00-0256	EA		7-1/8" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie HSS2-3-SDS3)	21.03	
			<i>For >10 To 50, Deduct</i>	-0.07	
			<i>For >50 To 100, Deduct</i>	-0.60	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.94	
			<i>For >500, Deduct</i>	-2.77	
06 05 23 00-0257	EA		7-1/8" High With 3-1/4" Wide Tabs For 4X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie HSS4-SDS3).....	21.03	
			<i>For >10 To 50, Deduct</i>	-0.07	
			<i>For >50 To 100, Deduct</i>	-0.60	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.94	
			<i>For >500, Deduct</i>	-2.77	
06 05 23 00-0258			Nail Stops <small>(06 05 23 00-0202)</small>		
06 05 23 00-0259	EA		1-1/2" Wide x 3" Long, 16 Gauge, Nail Stops (Simpson Strong Tie® NS1).....	2.36	
			<i>For >10 To 50, Deduct</i>	-0.05	
			<i>For >50 To 100, Deduct</i>	-0.11	
			<i>For >100 To 250, Deduct</i>	-0.21	
			<i>For >250 To 500, Deduct</i>	-0.42	
			<i>For >500, Deduct</i>	-0.68	
06 05 23 00-0260	EA		1-1/2" Wide x 6" Long, 16 Gauge, Nail Stops (Simpson Strong Tie® NS2).....	2.67	
			<i>For >10 To 50, Deduct</i>	-0.05	
			<i>For >50 To 100, Deduct</i>	-0.12	
			<i>For >100 To 250, Deduct</i>	-0.23	
			<i>For >250 To 500, Deduct</i>	-0.44	
			<i>For >500, Deduct</i>	-0.71	
06 05 73			Wood Treatment <small>(06 05)</small>		
06 05 73 13			Fire-Retardant Wood Treatment <small>(06 05 73)</small>		
06 05 73 13-0001			Preservative Treated Lumber <small>(06 05 73 13)</small>		
06 05 73 13-0002			Fire Retardant Treatment (FRT) For Lumber <small>(06 05 73 13-0001)</small>		
06 05 73 13-0003	MBF		Fire Retardant Treatment (FRT) For Lumber.....	425.06	
06 05 73 33			Preservative Wood Treatment <small>(06 05 73)</small>		
06 05 73 33-0001			Preservative Treatment For Marine And Fresh Water Uses <small>(06 05 73 33)</small>		
06 05 73 33-0002	MBF		Preservative Treatment For Marine And Fresh Water Lumber	90.84	
06 10			Rough Carpentry <small>(06)</small>		
06 11			Wood Framing <small>(06 10)</small>		
Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal. See CSI section 06 05 23 00-0000 for anchors and supports.					
06 11 13			Engineered Wood Products <small>(06 11)</small>		
Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal.					
06 11 13 00-0001			Built-Up Members <small>(06 11 13)</small>		
Note: A structural framing member made from fastening separate pieces of lumber together.					
06 11 13 00-0002			Built-Up Beams Or Joists <small>(06 11 13 00-0001)</small>		
06 11 13 00-0003	LF		Two 2" x 6" Built-up Wood Beam Or Joist.....	3.64	1.65
			<i>For Each Additional 2" x_" In The Built Up Member, Add</i>	0.56	
06 11 13 00-0004	LF		Two 2" x 8" Built-up Wood Beam Or Joist.....	4.50	1.94
			<i>For Each Additional 2" x_" In The Built Up Member, Add</i>	0.79	
06 11 13 00-0005	LF		Two 2" x 10" Built-up Wood Beam Or Joist.....	5.69	2.33
			<i>For Each Additional 2" x_" In The Built Up Member, Add</i>	1.10	
06 11 13 00-0006			Built-Up Posts <small>(06 11 13 00-0001)</small>		
06 11 13 00-0007	LF		Two 2" x 6" Built-up Wood Post	3.64	1.65
			<i>For Each Additional 2" x_" In The Built Up Member, Add</i>	0.56	
06 11 13 00-0008	LF		Two 2" x 8" Built-up Wood Post	4.50	1.94
			<i>For Each Additional 2" x_" In The Built Up Member, Add</i>	0.79	
06 11 13 00-0009	LF		Two 2" x 10" Built-up Wood Post	5.69	2.33
			<i>For Each Additional 2" x_" In The Built Up Member, Add</i>	1.10	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 Mechanically Graded Lumber (06 11)						
06 11 16 00-0001 Rafters And Joists (06 11 16)						
06 11 16 00-0002 Rafters (06 11 16 00-0001)						
Note: An inclined roof framing member to which a roof covering is attached.						
			LF	2" x 6" Wood Rafter	2.11	1.16
			LF	2" x 8" Wood Rafter	2.44	1.27
			LF	2" x 10" Wood Rafter	3.53	1.84
			LF	2" x 12" Wood Rafter	4.05	2.04
			LF	2" x 14" Wood Rafter	4.40	2.24
			LF	2" x 6" Pressure Treated Wood Rafter.....	2.48	1.16
			LF	2" x 8" Pressure Treated Wood Rafter.....	2.96	1.27
			LF	2" x 10" Pressure Treated Wood Rafter.....	4.05	1.84
			LF	2" x 12" Pressure Treated Wood Rafter.....	4.83	2.04
06 11 16 00-0012 Joists (06 11 16 00-0001)						
Note: A series of parallel beams to support floors or ceilings.						
			LF	2" x 6" Wood Floor Joist.....	1.83	0.97
			LF	2" x 8" Wood Floor Joist.....	2.25	1.07
			LF	2" x 10" Wood Floor Joist.....	2.85	1.36
			LF	2" x 12" Wood Floor Joist.....	3.37	1.55
			LF	2" x 14" Wood Floor Joist.....	3.72	1.65
			LF	2" x 6" Pressure Treated Wood Floor Joist.....	2.20	0.97
			LF	2" x 8" Pressure Treated Wood Floor Joist.....	2.77	1.07
			LF	2" x 10" Pressure Treated Wood Floor Joist.....	3.37	1.36
			LF	2" x 12" Pressure Treated Wood Floor Joist.....	4.15	1.55
06 11 16 00-0022 Purlins (06 11 16 00-0001)						
Note: A horizontal structural member in a roof, supporting the loads from the roof deck or sheathing.						
			LF	2" x 4" Wood Purlin.....	1.49	0.59
			LF	2" x 6" Wood Purlin.....	1.85	0.64
			LF	2" x 8" Wood Purlin.....	2.20	0.71
			LF	2" x 10" Wood Purlin.....	2.65	0.78
			LF	2" x 4" Pressure Treated Wood Purlin	1.72	0.59
			LF	2" x 6" Pressure Treated Wood Purlin	2.22	0.64
			LF	2" x 8" Pressure Treated Wood Purlin	2.72	0.71
			LF	2" x 10" Pressure Treated Wood Purlin	3.17	0.78
06 11 16 00-0031 Exposed Rafters Or Joists (06 11 16 00-0001)						
06 11 16 00-0032 Redwood Rafters Or Joists (06 11 16 00-0031)						
			LF	2" x 6" Redwood Rafter Or Joist	2.65	0.97
			LF	2" x 8" Redwood Rafter Or Joist	3.21	1.07
			LF	2" x 10" Redwood Rafter Or Joist	3.98	1.36
			LF	2" x 12" Redwood Rafter Or Joist	4.80	1.55
06 11 16 00-0037 Cedar Rafters Or Joists (06 11 16 00-0031)						
			LF	2" x 6" Cedar Rafter Or Joist.....	1.84	0.97
			LF	2" x 8" Cedar Rafter Or Joist.....	2.06	1.07
			LF	2" x 10" Cedar Rafter Or Joist.....	2.39	1.36
			LF	2" x 12" Cedar Rafter Or Joist.....	2.71	1.55
06 11 16 00-0042 Oak Rafters Or Joists (06 11 16 00-0031)						
			LF	2" x 6" Oak Rafter Or Joist.....	2.17	0.97
			LF	2" x 8" Oak Rafter Or Joist.....	2.91	1.07
			LF	2" x 10" Oak Rafter Or Joist.....	3.74	1.36
			LF	2" x 12" Oak Rafter Or Joist.....	4.58	1.55
06 11 16 00-0047 Framing (06 11 16)						
06 11 16 00-0048 Partition Framing (06 11 16 00-0047)						
			LF	2" x 4" Wood Stud Framing, For Partition Walls	1.44	0.78
			LF	2" x 6" Wood Stud Framing, For Partition Walls	1.72	0.83
			LF	2" x 8" Wood Stud Framing, For Partition Walls	2.01	0.87
			LF	2" x 4" Pressure Treated Wood Stud Framing, For Partition Walls.....	1.67	0.78
			LF	2" x 6" Pressure Treated Wood Stud Framing, For Partition Walls.....	2.09	0.83
			LF	2" x 8" Pressure Treated Wood Stud Framing, For Partition Walls.....	2.53	0.87
06 11 16 00-0055 Wall Framing Assemblies By The SF (06 11 16 00-0047)						
Note: Includes single bottom and double top plates, center support bracing, vertical studs and appropriate fastening devices. Excludes blocking for wall mounted fixtures or cabinets. Per SF of wall area measures one side. Do not deduct for openings of less than 25 SF when calculating total wall square footage.						

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 11 Wood Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0056			Wall Framing By The SF, 12" On Center (06 11 16 00-0055)		
06 11 16 00-0057	SF		2" x 4" Wood Wall Framing At 12" On Center.....	1.87	0.93
			For Up To 200, Add	0.65	
			For >200 To 500, Add	0.33	
06 11 16 00-0058	SF		2" x 6" Wood Wall Framing At 12" On Center.....	2.50	1.21
			For Up To 200, Add	0.86	
			For >200 To 500, Add	0.43	
06 11 16 00-0059	SF		2" x 8" Wood Wall Framing At 12" On Center.....	3.33	1.61
			For Up To 200, Add	1.14	
			For >200 To 500, Add	0.57	
06 11 16 00-0060			Wall Framing By The SF, 16" On Center (06 11 16 00-0055)		
06 11 16 00-0061	SF		2" x 4" Wood Wall Framing At 16" On Center.....	1.52	0.76
			For Up To 200, Add	0.53	
			For >200 To 500, Add	0.26	
06 11 16 00-0062	SF		2" x 6" Wood Wall Framing At 16" On Center.....	2.08	1.00
			For Up To 200, Add	0.71	
			For >200 To 500, Add	0.36	
06 11 16 00-0063	SF		2" x 8" Wood Wall Framing At 16" On Center.....	2.77	1.34
			For Up To 200, Add	0.95	
			For >200 To 500, Add	0.48	
06 11 16 00-0064			Wall Framing By The SF, 24" On Center (06 11 16 00-0055)		
06 11 16 00-0065	SF		2" x 4" Wood Wall Framing At 24" On Center.....	1.20	0.60
			For Up To 200, Add	0.42	
			For >200 To 500, Add	0.21	
06 11 16 00-0066	SF		2" x 6" Wood Wall Framing At 24" On Center.....	1.62	0.78
			For Up To 200, Add	0.55	
			For >200 To 500, Add	0.28	
06 11 16 00-0067	SF		2" x 8" Wood Wall Framing At 24" On Center.....	2.17	1.04
			For Up To 200, Add	0.74	
			For >200 To 500, Add	0.37	
06 11 16 00-0068			Sills And Plates (06 11 16)		
06 11 16 00-0069			Sills (06 11 16 00-0068)		
			Note: A horizontal member which rests on and is attached to the foundation.		
06 11 16 00-0070	LF		2" x 4" Wood Sill	2.52	1.46
06 11 16 00-0071	LF		2" x 6" Wood Sill	2.99	1.65
06 11 16 00-0072	LF		2" x 8" Wood Sill	3.54	1.84
06 11 16 00-0073	LF		2" x 4" Pressure Treated Wood Sill.....	2.75	1.46
06 11 16 00-0074	LF		2" x 6" Pressure Treated Wood Sill.....	3.36	1.65
06 11 16 00-0075	LF		2" x 8" Pressure Treated Wood Sill.....	4.06	1.84
06 11 16 00-0076			Plates (06 11 16 00-0068)		
			Note: A horizontal member connecting and terminating studs, posts, joists, rafters, etc. such as the top and bottom plate on a stud framed partition wall.		
06 11 16 00-0077	LF		2" x 4" Wood Plate	2.52	1.46
06 11 16 00-0078	LF		2" x 6" Wood Plate	2.99	1.65
06 11 16 00-0079	LF		2" x 8" Wood Plate	3.51	1.84
06 11 16 00-0080	LF		2" x 4" Pressure Treated Wood Plate	2.75	1.46
06 11 16 00-0081	LF		2" x 6" Pressure Treated Wood Plate	3.36	1.65
06 11 16 00-0082	LF		2" x 8" Pressure Treated Wood Plate	4.03	1.84
06 11 16 00-0083			Sills And Plates From Redwood (06 11 16 00-0068)		
06 11 16 00-0084			Construction Grade/Rough (06 11 16 00-0083)		
06 11 16 00-0085	LF		2" x 6" Redwood, Construction Grade/Rough.....	4.22	1.65
06 11 16 00-0086	LF		2" x 8" Redwood, Construction Grade/Rough.....	5.49	1.84
06 11 16 00-0087	LF		2" x 10" Redwood, Construction Grade/Rough.....	6.64	2.04
06 11 16 00-0088	LF		2" x 12" Redwood, Construction Grade/Rough.....	8.01	2.24
06 11 16 00-0089			Con Heart/Smooth (06 11 16 00-0083)		
06 11 16 00-0090	LF		2" x 6" Redwood, Con Heart/Smooth.....	4.98	1.65
06 11 16 00-0091	LF		2" x 8" Redwood, Con Heart/Smooth.....	6.63	1.84
06 11 16 00-0092	LF		2" x 10" Redwood, Con Heart/Smooth.....	8.58	2.04
06 11 16 00-0093	LF		2" x 12" Redwood, Con Heart/Smooth.....	10.31	2.24
06 11 16 00-0094			Suspended Ceiling Framing (06 11 16)		
06 11 16 00-0095	LF		1" x 2" Wood Suspended Ceiling Framing.....	2.09	1.27
06 11 16 00-0096	LF		1" x 3" Wood Suspended Ceiling Framing.....	2.27	1.36
06 11 16 00-0097	LF		2" x 2" Wood Suspended Ceiling Framing.....	2.44	1.46
06 11 16 00-0098	LF		2" x 4" Wood Suspended Ceiling Framing.....	2.89	1.65
06 11 16 00-0099	LF		1" x 2" Pressure Treated Wood Suspended Ceiling Framing.....	2.27	1.27



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0100 LF 1" x 3" Pressure Treated Wood Suspended Ceiling Framing	2.26	1.36
06 11 16 00-0101 LF 2" x 2" Pressure Treated Wood Suspended Ceiling Framing	2.64	1.46
06 11 16 00-0102 LF 2" x 4" Pressure Treated Wood Suspended Ceiling Framing	3.08	1.65
06 11 16 00-0103 Posts And Girts (06 11 16)		
06 11 16 00-0104 Posts (06 11 16 00-0103)		
Note: A vertical, upright framing member.		
06 11 16 00-0105 LF 4" x 4" Wood Post.....	3.46	1.84
06 11 16 00-0106 LF 4" x 5" Wood Post.....	3.94	2.14
06 11 16 00-0107 LF 4" x 6" Wood Post.....	4.34	2.33
06 11 16 00-0108 LF 6" x 6" Wood Post.....	4.83	2.52
06 11 16 00-0109 LF 8" x 8" Wood Post.....	5.30	2.62
06 11 16 00-0110 LF 10" x 10" Wood Post.....	5.78	3.01
06 11 16 00-0111 LF 4" x 4" Pressure Treated Wood Post	4.22	1.84
06 11 16 00-0112 LF 3" x 6" Pressure Treated Wood Post	4.76	2.33
06 11 16 00-0113 LF 4" x 6" Pressure Treated Wood Post	5.43	2.33
06 11 16 00-0114 LF 6" x 6" Pressure Treated Wood Post	6.76	2.52
06 11 16 00-0115 Girts (06 11 16 00-0103)		
Note: A horizontal member at intermediate level between columns, studs, or posts.		
06 11 16 00-0116 LF 2" x 4" Wood Girt	1.73	0.70
06 11 16 00-0117 LF 2" x 6" Wood Girt	2.10	0.77
06 11 16 00-0118 LF 2" x 8" Wood Girt	2.48	0.84
06 11 16 00-0119 LF 2" x 10" Wood Girt	2.96	0.93
06 11 16 00-0120 LF 4" x 4" Wood Girt	3.38	1.40
06 11 16 00-0121 LF 4" x 5" Wood Girt	3.87	1.57
06 11 16 00-0122 LF 4" x 6" Wood Girt	4.33	1.75
06 11 16 00-0123 LF 6" x 6" Wood Girt	4.81	1.92
06 11 16 00-0124 LF 8" x 8" Wood Girt	5.29	2.10
06 11 16 00-0125 LF 10" x 10" Wood Girt	5.77	2.28
06 11 16 00-0126 LF 2" x 4" Pressure Treated Wood Girt.....	1.96	0.70
06 11 16 00-0127 LF 2" x 6" Pressure Treated Wood Girt.....	2.47	0.77
06 11 16 00-0128 LF 2" x 8" Pressure Treated Wood Girt.....	3.00	0.84
06 11 16 00-0129 LF 2" x 10" Pressure Treated Wood Girt.....	3.48	0.93
06 11 16 00-0130 LF 4" x 4" Pressure Treated Wood Girt.....	4.22	1.40
06 11 16 00-0131 LF 3" x 6" Pressure Treated Wood Girt.....	4.76	1.75
06 11 16 00-0132 LF 4" x 6" Pressure Treated Wood Girt.....	5.43	1.75
06 11 16 00-0133 LF 6" x 6" Pressure Treated Wood Girt.....	6.76	1.92
06 11 16 00-0134 Construction Grade/Rough Redwood Posts (06 11 16 00-0103)		
06 11 16 00-0135 LF 4" x 4" Redwood, Construction Grade/Rough Post.....	6.25	1.84
For Smooth "Clear", Add		0.69
06 11 16 00-0136 LF 4" x 5" Redwood, Construction Grade/Rough Post.....	7.46	2.14
For Smooth "Clear", Add		0.86
06 11 16 00-0137 LF 4" x 6" Redwood, Construction Grade/Rough Post.....	8.69	2.33
For Smooth "Clear", Add		1.04
06 11 16 00-0138 LF 4" x 8" Redwood, Construction Grade/Rough Post.....	10.58	2.40
For Smooth "Clear", Add		1.39
06 11 16 00-0139 LF 4" x 10" Redwood, Construction Grade/Rough Post.....	12.53	2.55
For Smooth "Clear", Add		1.73
06 11 16 00-0140 LF 6" x 6" Redwood, Construction Grade/Rough Post.....	11.64	2.52
For Smooth "Clear", Add		1.56
06 11 16 00-0141 LF 6" x 8" Redwood, Construction Grade/Rough Post.....	14.39	2.62
For Smooth "Clear", Add		2.08
06 11 16 00-0142 LF 6" x 10" Redwood, Construction Grade/Rough Post.....	17.09	2.46
For Smooth "Clear", Add		2.60
06 11 16 00-0143 LF 8" x 8" Redwood, Construction Grade/Rough Post.....	18.05	2.62
For Smooth "Clear", Add		2.77
06 11 16 00-0144 Stair Stringers (06 11 16)		
See CSI section 06 43 13 00-0001 for treads and risers.		
06 11 16 00-0145 LF 2" x 10" Wood Stair Stringer	6.91	3.89
06 11 16 00-0146 LF 2" x 12" Wood Stair Stringer	8.15	4.57
06 11 16 00-0147 LF 2" x 10" Pressure Treated Wood Stair Stringer.....	7.45	3.89
06 11 16 00-0148 LF 2" x 12" Pressure Treated Wood Stair Stringer.....	8.91	4.57
06 11 16 00-0149 Blocking (06 11 16)		
06 11 16 00-0150 Blocking (06 11 16 00-0149)		
06 11 16 00-0151 Blocking To Wood (06 11 16 00-0150)		
06 11 16 00-0152 LF 2" x 4" Pressure Treated Wood Blocking To Wood	5.47	2.33
06 11 16 00-0153 LF 2" x 6" Pressure Treated Wood Blocking To Wood	6.47	2.56
06 11 16 00-0154 LF 2" x 8" Pressure Treated Wood Blocking To Wood	7.38	2.81
06 11 16 00-0155 LF 4" x 4" Pressure Treated Wood Blocking To Wood	8.54	3.10
06 11 16 00-0156 LF 4" x 6" Pressure Treated Wood Blocking To Wood	9.20	3.41

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 11 Wood Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0157	LF		2" x 4" Wood Blocking To Wood	5.00	2.33
06 11 16 00-0158	LF		2" x 6" Wood Blocking To Wood	5.69	2.56
06 11 16 00-0159	LF		2" x 8" Wood Blocking To Wood	6.44	2.81
06 11 16 00-0160	LF		4" x 4" Wood Blocking To Wood	6.88	3.10
06 11 16 00-0161	LF		4" x 6" Wood Blocking To Wood	7.68	3.41
06 11 16 00-0162			Blocking To Steel (06 11 16 00-0150)		
06 11 16 00-0163	LF		2" x 4" Pressure Treated Wood Blocking To Steel.....	6.25	2.68
06 11 16 00-0164	LF		2" x 6" Pressure Treated Wood Blocking To Steel.....	7.38	2.96
06 11 16 00-0165	LF		2" x 8" Pressure Treated Wood Blocking To Steel.....	8.39	3.25
06 11 16 00-0166	LF		2" x 4" Wood Blocking To Steel	5.74	2.68
06 11 16 00-0167	LF		2" x 6" Wood Blocking To Steel	6.51	2.96
06 11 16 00-0168	LF		2" x 8" Wood Blocking To Steel	7.36	3.25
06 11 16 00-0169			Blocking To Concrete (06 11 16 00-0150)		
06 11 16 00-0170	LF		2" x 4" Pressure Treated Wood Blocking To Concrete	6.25	2.68
06 11 16 00-0171	LF		2" x 6" Pressure Treated Wood Blocking To Concrete	7.38	2.96
06 11 16 00-0172	LF		2" x 8" Pressure Treated Wood Blocking To Concrete	8.39	3.25
06 11 16 00-0173	LF		2" x 4" Wood Blocking To Concrete	5.74	2.68
06 11 16 00-0174	LF		2" x 6" Wood Blocking To Concrete	6.51	2.96
06 11 16 00-0175	LF		2" x 8" Wood Blocking To Concrete	7.36	3.25
06 11 16 00-0176			Pressure Treated Lattice (06 11 16 00-0149)		
06 11 16 00-0177	SF		3/4" Thick Pressure Treated Wood Lattice.....	5.24	2.04
06 11 16 00-0178			Roofing Nailers (06 11 16)		
06 11 16 00-0179	LF		2" x 4" Pressure Treated Lumber, For Roofing Nailers.....	2.80	0.78
06 11 16 00-0180	LF		2" x 6" Pressure Treated Lumber, For Roofing Nailers.....	3.26	0.83
06 11 16 00-0181	LF		2" x 8" Pressure Treated Lumber, For Roofing Nailers.....	3.74	0.87
06 11 16 00-0182			Roofing Sleepers (06 11 16)		
06 11 16 00-0183	LF		2" x 4" Pressure Treated Lumber, For Roofing Sleepers	1.29	
06 11 16 00-0184	LF		4" x 4" Pressure Treated Lumber, For Roofing Sleepers.....	2.84	
06 11 16 00-0185	LF		4" x 6" Pressure Treated Lumber, For Roofing Sleepers.....	3.69	
06 11 16 00-0186	LF		6" x 6" Pressure Treated Lumber, For Roofing Sleepers.....	4.85	
06 11 16 00-0187			Canopy Framing, Bridging, And Furring (06 11 16)		
06 11 16 00-0188			Wood And Steel Bridging (06 11 16 00-0187)		
06 11 16 00-0189			Wood Bridging (06 11 16 00-0188)		
06 11 16 00-0190	EA		1 Pair Wood Bridging, 1" x 3" Cross Type	7.76	3.40
			Note: For joists spaced at 16" on center.		
06 11 16 00-0191	EA		1 Pair Wood Bridging, 2" x 3" Cross Type	7.94	3.40
			Note: For joists spaced at 16" on center.		
06 11 16 00-0192			Steel Bridging (06 11 16 00-0188)		
06 11 16 00-0193	EA		1 Pair Steel Bridging, Wood Joists At 16" On Center.....	8.95	3.40
06 11 16 00-0194	EA		1 Pair Steel Bridging, Wood Joists At 24" On Center.....	8.93	3.40
06 11 16 00-0195			Light Framing, Trim And Furring (06 11 16 00-0187)		
06 11 16 00-0196			Pine/Spruce/Fir Light Framing, Trim And Furring (06 11 16 00-0195)		
06 11 16 00-0197	LF		1" x 1" Pine/Spruce/Fir Light Framing, Trim And Furring	1.69	0.80
06 11 16 00-0198	LF		1" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring	1.90	0.87
06 11 16 00-0199	LF		1" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring	2.17	0.96
06 11 16 00-0200	LF		1" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring	2.41	1.06
06 11 16 00-0201	LF		1" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring	2.67	1.16
06 11 16 00-0202	LF		1" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring	2.95	1.29
06 11 16 00-0203	LF		2" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring	2.42	1.06
06 11 16 00-0204	LF		2" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring	2.70	1.16
06 11 16 00-0205	LF		2" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring	3.12	1.29
06 11 16 00-0206	LF		2" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring	3.61	1.41
06 11 16 00-0207	LF		2" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring	4.20	1.55
06 11 16 00-0208			Cedar Light Framing, Trim And Furring (06 11 16 00-0195)		
06 11 16 00-0209	LF		1" x 1" Cedar Light Framing, Trim And Furring	1.71	0.80
06 11 16 00-0210	LF		1" x 2" Cedar Light Framing, Trim And Furring	1.99	0.87
06 11 16 00-0211	LF		1" x 4" Cedar Light Framing, Trim And Furring	2.52	0.96
06 11 16 00-0212	LF		1" x 6" Cedar Light Framing, Trim And Furring	3.02	1.06
06 11 16 00-0213	LF		1" x 8" Cedar Light Framing, Trim And Furring	4.27	1.16



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	06 11 16 00-0214	LF		1" x 10" Cedar Light Framing, Trim And Furring	4.99	1.29
	06 11 16 00-0215	LF		2" x 2" Cedar Light Framing, Trim And Furring	2.65	1.06
	06 11 16 00-0216	LF		2" x 4" Cedar Light Framing, Trim And Furring	3.04	1.16
06 11 16 00-0217	Oak Light Framing, Trim And Furring (06 11 16 00-0195)					
	06 11 16 00-0218	LF		1" x 1" Oak Light Framing, Trim And Furring	1.72	0.80
	06 11 16 00-0219	LF		1" x 2" Oak Light Framing, Trim And Furring	2.01	0.87
	06 11 16 00-0220	LF		1" x 4" Oak Light Framing, Trim And Furring	2.43	0.96
	06 11 16 00-0221	LF		1" x 6" Oak Light Framing, Trim And Furring	2.89	1.06
	06 11 16 00-0222	LF		1" x 8" Oak Light Framing, Trim And Furring	3.35	1.16
	06 11 16 00-0223	LF		1" x 10" Oak Light Framing, Trim And Furring	3.84	1.29
	06 11 16 00-0224	LF		2" x 2" Oak Light Framing, Trim And Furring	2.63	1.06
	06 11 16 00-0225	LF		2" x 4" Oak Light Framing, Trim And Furring	3.36	1.16
06 11 16 00-0226	Redwood Light Framing, Trim And Furring (06 11 16 00-0195)					
	06 11 16 00-0227	LF		1" x 1" Redwood Light Framing, Trim And Furring	1.68	0.80
	06 11 16 00-0228	LF		1" x 2" Redwood Light Framing, Trim And Furring	1.94	0.87
	06 11 16 00-0229	LF		1" x 4" Redwood Light Framing, Trim And Furring	2.31	0.96
	06 11 16 00-0230	LF		1" x 6" Redwood Light Framing, Trim And Furring	2.74	1.06
	06 11 16 00-0231	LF		1" x 8" Redwood Light Framing, Trim And Furring	3.19	1.16
	06 11 16 00-0232	LF		1" x 10" Redwood Light Framing, Trim And Furring	3.70	1.29
	06 11 16 00-0233	LF		2" x 2" Redwood Light Framing, Trim And Furring	2.75	1.06
	06 11 16 00-0234	LF		2" x 4" Redwood Light Framing, Trim And Furring	3.21	1.16
06 11 16 00-0235	Poplar Light Framing, Trim And Furring (06 11 16 00-0195)					
	06 11 16 00-0236	LF		1" x 1" Poplar Light Framing, Trim And Furring	1.90	0.80
	06 11 16 00-0237	LF		1" x 2" Poplar Light Framing, Trim And Furring	2.28	0.87
	06 11 16 00-0238	LF		1" x 4" Poplar Light Framing, Trim And Furring	2.79	0.96
	06 11 16 00-0239	LF		1" x 6" Poplar Light Framing, Trim And Furring	3.48	1.06
	06 11 16 00-0240	LF		1" x 8" Poplar Light Framing, Trim And Furring	4.00	1.16
	06 11 16 00-0241	LF		1" x 10" Poplar Light Framing, Trim And Furring	5.15	1.29
	06 11 16 00-0242	LF		1" x 12" Poplar Light Framing, Trim And Furring	5.52	1.29
	06 11 16 00-0243	LF		2" x 2" Poplar Light Framing, Trim And Furring	4.40	1.06
	06 11 16 00-0244	LF		2" x 4" Poplar Light Framing, Trim And Furring	4.91	1.16
	06 11 16 00-0245	LF		2" x 6" Poplar Light Framing, Trim And Furring	6.43	1.29
06 11 16 00-0246	Maple Light Framing, Trim And Furring (06 11 16 00-0195)					
	06 11 16 00-0247	LF		1" x 4" Maple Light Framing, Trim And Furring	3.72	0.96
	06 11 16 00-0248	LF		1" x 6" Maple Light Framing, Trim And Furring	4.93	1.06
	06 11 16 00-0249	LF		1" x 8" Maple Light Framing, Trim And Furring	6.16	1.16
06 13 Heavy Timber Construction (06 10)						
06 13 23 Heavy Timber Framing (06 13)						
06 13 23 00-0001	Heavy Timber Framing (06 13 23)					
	Note: Excludes fasteners.					
06 13 23 00-0002	Heavy Timber Beams (06 13 23 00-0001)					
06 13 23 00-0003	Pine, Heavy Timber Beams (06 13 23 00-0002)					
	06 13 23 00-0004	LF		4" x 4", Pine, Heavy Timber Beam.....	4.94	1.72
	06 13 23 00-0005	LF		4" x 6", Pine, Heavy Timber Beam.....	5.84	1.79
	06 13 23 00-0006	LF		4" x 8", Pine, Heavy Timber Beam.....	6.73	1.87
	06 13 23 00-0007	LF		4" x 10", Pine, Heavy Timber Beam.....	8.51	2.00
	06 13 23 00-0008	LF		4" x 12", Pine, Heavy Timber Beam.....	9.99	2.12
	06 13 23 00-0009	LF		6" x 6", Pine, Heavy Timber Beam.....	7.21	1.94
	06 13 23 00-0010	LF		6" x 8", Pine, Heavy Timber Beam.....	8.50	2.04
	06 13 23 00-0011	LF		6" x 10", Pine, Heavy Timber Beam.....	11.18	2.19
	06 13 23 00-0012	LF		6" x 12", Pine, Heavy Timber Beam.....	13.11	2.24
	06 13 23 00-0013	LF		8" x 8", Pine, Heavy Timber Beam.....	10.19	2.12
	06 13 23 00-0014	LF		8" x 10", Pine, Heavy Timber Beam.....	13.45	2.19
	06 13 23 00-0015	LF		8" x 12", Pine, Heavy Timber Beam.....	16.08	2.24
	06 13 23 00-0016	LF		10" x 10", Pine, Heavy Timber Beam.....	15.90	2.24
	06 13 23 00-0017	LF		10" x 12", Pine, Heavy Timber Beam.....	19.27	2.43
	06 13 23 00-0018	LF		12" x 12", Pine, Heavy Timber Beam.....	22.64	2.67
06 13 23 00-0019	Douglas Fir, Heavy Timber Beams (06 13 23 00-0002)					
	06 13 23 00-0020	LF		4" x 4", Douglas Fir, Heavy Timber Beam.....	5.10	1.72
	06 13 23 00-0021	LF		4" x 6", Douglas Fir, Heavy Timber Beam.....	6.06	1.79
	06 13 23 00-0022	LF		4" x 8", Douglas Fir, Heavy Timber Beam.....	7.03	1.87
	06 13 23 00-0023	LF		4" x 10", Douglas Fir, Heavy Timber Beam.....	8.97	2.00
	06 13 23 00-0024	LF		4" x 12", Douglas Fir, Heavy Timber Beam.....	10.56	2.12
	06 13 23 00-0025	LF		6" x 6", Douglas Fir, Heavy Timber Beam.....	7.54	1.94
	06 13 23 00-0026	LF		6" x 8", Douglas Fir, Heavy Timber Beam.....	8.94	2.04

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 13 Heavy Timber Construction**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 13 23 00-0027	LF		6" x 10", Douglas Fir, Heavy Timber Beam.....	11.86	2.19
06 13 23 00-0028	LF		6" x 12", Douglas Fir, Heavy Timber Beam.....	13.98	2.24
06 13 23 00-0029	LF		8" x 8", Douglas Fir, Heavy Timber Beam.....	10.79	2.12
06 13 23 00-0030	LF		8" x 10", Douglas Fir, Heavy Timber Beam.....	14.36	2.19
06 13 23 00-0031	LF		8" x 12", Douglas Fir, Heavy Timber Beam.....	17.23	2.24
06 13 23 00-0032	LF		10" x 10", Douglas Fir, Heavy Timber Beam.....	17.03	2.24
06 13 23 00-0033	LF		10" x 12", Douglas Fir, Heavy Timber Beam.....	20.70	2.43
06 13 23 00-0034	LF		12" x 12", Douglas Fir, Heavy Timber Beam.....	24.36	2.67
06 13 23 00-0035			Pressure Treated, Heavy Timber Beams (06 13 23 00-0002)		
06 13 23 00-0036	LF		4" x 4", Pressure Treated, Heavy Timber Beam.....	5.52	1.72
06 13 23 00-0037	LF		4" x 6", Pressure Treated, Heavy Timber Beam.....	6.89	1.79
06 13 23 00-0038	LF		4" x 8", Pressure Treated, Heavy Timber Beam.....	8.09	1.87
06 13 23 00-0039	LF		4" x 10", Pressure Treated, Heavy Timber Beam.....	10.57	2.00
06 13 23 00-0040	LF		4" x 12", Pressure Treated, Heavy Timber Beam.....	12.59	2.12
06 13 23 00-0041	LF		6" x 6", Pressure Treated, Heavy Timber Beam.....	9.41	1.94
06 13 23 00-0042	LF		6" x 8", Pressure Treated, Heavy Timber Beam.....	11.46	2.04
06 13 23 00-0043	LF		6" x 10", Pressure Treated, Heavy Timber Beam.....	13.70	2.19
06 13 23 00-0044	LF		6" x 12", Pressure Treated, Heavy Timber Beam.....	16.71	2.24
06 13 23 00-0045	LF		8" x 8", Pressure Treated, Heavy Timber Beam.....	16.83	2.12
06 13 23 00-0046	LF		8" x 10", Pressure Treated, Heavy Timber Beam.....	19.52	2.19
06 13 23 00-0047	LF		8" x 12", Pressure Treated, Heavy Timber Beam.....	22.91	2.24
06 13 23 00-0048	LF		10" x 10", Pressure Treated, Heavy Timber Beam.....	23.01	2.24
06 13 23 00-0049	LF		10" x 12", Pressure Treated, Heavy Timber Beam.....	30.33	2.43
06 13 23 00-0050	LF		12" x 12", Pressure Treated, Heavy Timber Beam.....	35.92	2.67
06 13 23 00-0051			Heavy Timber Columns (06 13 23 00-0001)		
06 13 23 00-0052			Pine, Heavy Timber Columns (06 13 23 00-0005)		
06 13 23 00-0053	LF		4" x 4", Pine, Heavy Timber Column.....	3.30	0.91
06 13 23 00-0054	LF		4" x 6", Pine, Heavy Timber Column.....	4.15	0.96
06 13 23 00-0055	LF		4" x 8", Pine, Heavy Timber Column.....	4.96	0.98
06 13 23 00-0056	LF		4" x 10", Pine, Heavy Timber Column.....	6.63	1.05
06 13 23 00-0057	LF		4" x 12", Pine, Heavy Timber Column.....	8.00	1.11
06 13 23 00-0058	LF		6" x 6", Pine, Heavy Timber Column.....	5.39	1.01
06 13 23 00-0059	LF		6" x 8", Pine, Heavy Timber Column.....	6.60	1.06
06 13 23 00-0060	LF		6" x 10", Pine, Heavy Timber Column.....	9.10	1.15
06 13 23 00-0061	LF		6" x 12", Pine, Heavy Timber Column.....	10.99	1.18
06 13 23 00-0062	LF		8" x 8", Pine, Heavy Timber Column.....	8.20	1.11
06 13 23 00-0063	LF		8" x 10", Pine, Heavy Timber Column.....	11.37	1.15
06 13 23 00-0064	LF		8" x 12", Pine, Heavy Timber Column.....	13.92	1.20
06 13 23 00-0065	LF		10" x 10", Pine, Heavy Timber Column.....	13.74	1.20
06 13 23 00-0066	LF		10" x 12", Pine, Heavy Timber Column.....	16.96	1.28
06 13 23 00-0067	LF		12" x 12", Pine, Heavy Timber Column.....	20.11	1.41
06 13 23 00-0068			Douglas Fir, Heavy Timber Columns (06 13 23 00-0005)		
06 13 23 00-0069	LF		4" x 4", Douglas Fir, Heavy Timber Column.....	3.46	0.91
06 13 23 00-0070	LF		4" x 6", Douglas Fir, Heavy Timber Column.....	4.37	0.96
06 13 23 00-0071	LF		4" x 8", Douglas Fir, Heavy Timber Column.....	5.26	0.98
06 13 23 00-0072	LF		4" x 10", Douglas Fir, Heavy Timber Column.....	7.09	1.05
06 13 23 00-0073	LF		4" x 12", Douglas Fir, Heavy Timber Column.....	8.57	1.11
06 13 23 00-0074	LF		6" x 6", Douglas Fir, Heavy Timber Column.....	5.72	1.01
06 13 23 00-0075	LF		6" x 8", Douglas Fir, Heavy Timber Column.....	7.04	1.06
06 13 23 00-0076	LF		6" x 10", Douglas Fir, Heavy Timber Column.....	9.78	1.15
06 13 23 00-0077	LF		6" x 12", Douglas Fir, Heavy Timber Column.....	11.86	1.18
06 13 23 00-0078	LF		8" x 8", Douglas Fir, Heavy Timber Column.....	8.80	1.11
06 13 23 00-0079	LF		8" x 10", Douglas Fir, Heavy Timber Column.....	12.28	1.15
06 13 23 00-0080	LF		8" x 12", Douglas Fir, Heavy Timber Column.....	15.07	1.20
06 13 23 00-0081	LF		10" x 10", Douglas Fir, Heavy Timber Column.....	14.87	1.20
06 13 23 00-0082	LF		10" x 12", Douglas Fir, Heavy Timber Column.....	18.39	1.28
06 13 23 00-0083	LF		12" x 12", Douglas Fir, Heavy Timber Column.....	21.83	1.41
06 13 23 00-0084			Pressure Treated, Heavy Timber Columns (06 13 23 00-0005)		
06 13 23 00-0085	LF		4" x 4", Pressure Treated, Heavy Timber Column.....	3.88	0.91
06 13 23 00-0086	LF		4" x 6", Pressure Treated, Heavy Timber Column.....	5.20	0.96
06 13 23 00-0087	LF		4" x 8", Pressure Treated, Heavy Timber Column.....	6.32	0.98
06 13 23 00-0088	LF		4" x 10", Pressure Treated, Heavy Timber Column.....	8.69	1.05
06 13 23 00-0089	LF		4" x 12", Pressure Treated, Heavy Timber Column.....	10.60	1.11
06 13 23 00-0090	LF		6" x 6", Pressure Treated, Heavy Timber Column.....	7.59	1.01
06 13 23 00-0091	LF		6" x 8", Pressure Treated, Heavy Timber Column.....	9.56	1.06
06 13 23 00-0092	LF		6" x 10", Pressure Treated, Heavy Timber Column.....	11.62	1.15
06 13 23 00-0093	LF		6" x 12", Pressure Treated, Heavy Timber Column.....	14.59	1.18
06 13 23 00-0094	LF		8" x 8", Pressure Treated, Heavy Timber Column.....	14.84	1.11
06 13 23 00-0095	LF		8" x 10", Pressure Treated, Heavy Timber Column.....	17.44	1.15
06 13 23 00-0096	LF		8" x 12", Pressure Treated, Heavy Timber Column.....	20.75	1.20
06 13 23 00-0097	LF		10" x 10", Pressure Treated, Heavy Timber Column.....	20.85	1.20
06 13 23 00-0098	LF		10" x 12", Pressure Treated, Heavy Timber Column.....	28.02	1.28



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 13 23 00-0099 LF 12" x 12", Pressure Treated, Heavy Timber Column	33.39	1.41
06 15 Wood Decking (06 10)		
06 15 13 Wood Floor Decking (06 15)		
06 15 13 00-0001 Wood Deck Systems (06 15 13) Note: Includes the deck, joists, girders, posts (8' O.C.), pickets and railing.		
06 15 13 00-0002 Pressure Treated Wood Deck System (06 15 13 00-0001)		
06 15 13 00-0003 2" x 8" Joists At 16" On Center, Pressure Treated Wood Deck System (06 15 13 00-0002)		
06 15 13 00-0004 SF 5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	29.99	6.05
06 15 13 00-0005 SF 5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	28.97	5.74
06 15 13 00-0006 SF 2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	31.08	6.20
06 15 13 00-0007 SF 2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	30.05	5.90
06 15 13 00-0008 2" x 10" Joists At 16" On Center, Pressure Treated Wood Deck System (06 15 13 00-0002)		
06 15 13 00-0009 SF 5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	30.97	6.20
06 15 13 00-0010 SF 5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	29.92	5.89
06 15 13 00-0011 SF 2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	32.07	6.36
06 15 13 00-0012 SF 2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center	31.02	6.04
06 15 13 00-0013 2" x 10" Joists At 24" On Center, Pressure Treated Wood Deck System (06 15 13 00-0002)		
06 15 13 00-0014 SF 5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	29.99	6.05
06 15 13 00-0015 SF 5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	28.97	5.74
06 15 13 00-0016 SF 2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	31.08	6.20
06 15 13 00-0017 SF 2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	30.05	5.90
06 15 13 00-0018 Redwood With Pressure Treated Joists, Wood Deck System (06 15 13 00-0001)		
06 15 13 00-0019 2" x 8" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System (06 15 13 00-0018)		
06 15 13 00-0020 SF 5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	31.78	6.05
06 15 13 00-0021 SF 5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	30.84	5.89
06 15 13 00-0022 SF 2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	33.32	6.20
06 15 13 00-0023 SF 2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	32.16	5.90
06 15 13 00-0024 2" x 10" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System (06 15 13 00-0018)		
06 15 13 00-0025 SF 5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	33.78	6.20
06 15 13 00-0026 SF 5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	32.81	5.89
06 15 13 00-0027 SF 2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	35.43	6.36
06 15 13 00-0028 SF 2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	34.27	6.04
06 15 13 00-0029 2" x 10" Joists At 24" On Center, Redwood With Pressure Treated Joists, Wood Deck System (06 15 13 00-0018)		
06 15 13 00-0030 SF 5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	32.50	6.05
06 15 13 00-0031 SF 5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	31.56	5.74
06 15 13 00-0032 SF 2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	34.08	6.20
06 15 13 00-0033 SF 2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	33.50	5.90
06 15 13 00-0034 Wood Ramp Systems (06 15 13) Note: Includes the decking, joists, girders, posts at corners and along ramp, pickets and railing.		
06 15 13 00-0035 Pressure Treated Wood Ramp System (06 15 13 00-0034)		
06 15 13 00-0036 2" x 6" Joists, Pressure Treated Wood Ramp System (06 15 13 00-0035)		
06 15 13 00-0037 SF 5/4" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	35.11	5.90
06 15 13 00-0038 SF 5/4" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	33.81	5.60
06 15 13 00-0039 SF 2" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	36.30	6.05
06 15 13 00-0040 SF 2" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	35.00	5.74
06 15 13 00-0041 2" x 8" Joists, Pressure Treated Wood Ramp System (06 15 13 00-0035)		
06 15 13 00-0042 SF 5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	36.19	6.05
06 15 13 00-0043 SF 5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	34.87	5.74
06 15 13 00-0044 SF 2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	37.44	6.20
06 15 13 00-0045 SF 2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	36.10	5.90
06 15 13 00-0046 2" x 10" Joists, Pressure Treated Wood Ramp System (06 15 13 00-0035)		

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 15 Wood Decking**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0047	SF		5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	37.32	6.19
06 15 13 00-0048	SF		5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	35.97	5.89
06 15 13 00-0049	SF		2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	38.60	6.36
06 15 13 00-0050	SF		2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	37.23	6.04
06 15 13 00-0051			Redwood With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0034)</small>		
06 15 13 00-0052			2" x 6" Joists, Redwood With Pressure Treated Joists, Wood Ramp System		
06 15 13 00-0053	SF		5/4" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	36.79	5.90
06 15 13 00-0054	SF		5/4" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	35.57	5.60
06 15 13 00-0055	SF		2" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	38.41	6.05
06 15 13 00-0056	SF		2" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	36.98	5.74
06 15 13 00-0057			2" x 8" Joists, Redwood With Pressure Treated Joists, Wood Ramp System		
06 15 13 00-0058	SF		5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	37.98	6.05
06 15 13 00-0059	SF		5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	36.74	5.74
06 15 13 00-0060	SF		2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	39.68	6.20
06 15 13 00-0061	SF		2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	38.21	5.90
06 15 13 00-0062			2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Ramp System		
06 15 13 00-0063	SF		5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	40.14	6.19
06 15 13 00-0064	SF		5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	38.86	5.89
06 15 13 00-0065	SF		2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	41.96	6.36
06 15 13 00-0066	SF		2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	40.85	6.04
06 15 13 00-0067			Cedar With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0034)</small>		
06 15 13 00-0068			2" x 6" Joists, Cedar With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0067)</small>		
06 15 13 00-0069	SF		5/4" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	35.71	5.90
06 15 13 00-0070	SF		5/4" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	34.43	5.60
06 15 13 00-0071	SF		2" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	36.95	6.05
06 15 13 00-0072	SF		2" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	35.67	5.74
06 15 13 00-0073			2" x 8" Joists, Cedar With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0067)</small>		
06 15 13 00-0074	SF		5/4" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	36.83	6.05
06 15 13 00-0075	SF		5/4" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	35.53	5.74
06 15 13 00-0076	SF		2" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	38.12	6.20
06 15 13 00-0077	SF		2" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	36.82	5.90
06 15 13 00-0078			2" x 10" Joists, Cedar With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0067)</small>		
06 15 13 00-0079	SF		5/4" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	38.01	6.19
06 15 13 00-0080	SF		5/4" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	36.67	5.89
06 15 13 00-0081	SF		2" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	39.33	6.36
06 15 13 00-0082	SF		2" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	38.00	6.04
06 15 13 00-0083			Wood Stair Systems <small>(06 15 13)</small>		
			Note: Includes the decking, joists, girders, posts at corners and along stairs, pickets and railing.		
06 15 13 00-0084			Pressure Treated Wood Stair System <small>(06 15 13 00-0083)</small>		
06 15 13 00-0085			2" x 10" Joists, Pressure Treated Wood Stair System <small>(06 15 13 00-0084)</small>		
06 15 13 00-0086	RSR		3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	94.33	14.51
06 15 13 00-0087	RSR		3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	91.76	13.79
06 15 13 00-0088	RSR		3' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	97.19	14.88
06 15 13 00-0089	RSR		3' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	94.18	14.14
06 15 13 00-0090	RSR		3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	99.04	15.23
06 15 13 00-0091	RSR		3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	96.36	14.48
06 15 13 00-0092	RSR		3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	102.05	15.63
06 15 13 00-0093	RSR		3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	98.90	14.85
06 15 13 00-0094	RSR		4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	103.89	15.99
06 15 13 00-0095	RSR		4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	101.06	15.19
06 15 13 00-0096	RSR		4' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	107.04	16.41
06 15 13 00-0097	RSR		4' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	103.73	15.59
06 15 13 00-0098	RSR		5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	110.18	16.81
06 15 13 00-0099	RSR		5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	107.28	15.95
06 15 13 00-0100	RSR		5' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	113.54	17.23
06 15 13 00-0101	RSR		5' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	110.10	16.37
06 15 13 00-0102			2" x 12" Joists, Pressure Treated Wood Stair System <small>(06 15 13 00-0084)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0103 RSR 3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	96.38	14.87
06 15 13 00-0104 RSR 3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	93.41	14.13
06 15 13 00-0105 RSR 3' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	99.40	15.26
06 15 13 00-0106 RSR 3' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	96.37	14.50
06 15 13 00-0107 RSR 3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	101.21	15.62
06 15 13 00-0108 RSR 3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	98.08	14.84
06 15 13 00-0109 RSR 3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	104.37	16.02
06 15 13 00-0110 RSR 3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	101.18	15.21
06 15 13 00-0111 RSR 4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	106.16	16.40
06 15 13 00-0112 RSR 4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	102.88	15.58
06 15 13 00-0113 RSR 4' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	109.48	16.82
06 15 13 00-0114 RSR 4' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	106.14	15.98
06 15 13 00-0115 RSR 5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	112.57	17.22
06 15 13 00-0116 RSR 5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	109.17	16.36
06 15 13 00-0117 RSR 5' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	116.11	17.66
06 15 13 00-0118 RSR 5' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	112.63	16.78
06 15 13 00-0119 Redwood With Pressure Treated Joists, Wood Stair System <small>(06 15 13 00-0083)</small>		
06 15 13 00-0120 2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Stair System <small>(06 15 13 00-0119)</small>		
06 15 13 00-0121 RSR 3' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	104.27	14.51
06 15 13 00-0122 RSR 3' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	101.61	13.79
06 15 13 00-0123 RSR 3' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	107.75	14.88
06 15 13 00-0124 RSR 3' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	105.06	14.14
06 15 13 00-0125 RSR 3'-6" Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	109.48	15.23
06 15 13 00-0126 RSR 3'-6" Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	106.71	14.48
06 15 13 00-0127 RSR 3'-6" Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	113.14	15.63
06 15 13 00-0128 RSR 3'-6" Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	110.32	14.85
06 15 13 00-0129 RSR 4' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	114.80	15.99
06 15 13 00-0130 RSR 4' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	111.88	15.19
06 15 13 00-0131 RSR 4' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	118.64	16.41
06 15 13 00-0132 RSR 4' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	115.66	15.59
06 15 13 00-0133 RSR 5' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	122.18	16.81
06 15 13 00-0134 RSR 5' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	119.17	15.95
06 15 13 00-0135 RSR 5' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	126.29	17.23
06 15 13 00-0136 RSR 5' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	123.23	16.37
06 15 13 00-0137 2" x 12" Joists, Redwood With Pressure Treated Joists, Wood Stair System <small>(06 15 13 00-0119)</small>		
06 15 13 00-0138 RSR 3' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	103.40	14.87
06 15 13 00-0139 RSR 3' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	100.67	14.13
06 15 13 00-0140 RSR 3' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	106.70	15.26
06 15 13 00-0141 RSR 3' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	104.01	14.50
06 15 13 00-0142 RSR 3'-6" Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	108.57	15.62
06 15 13 00-0143 RSR 3'-6" Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	105.71	14.84
06 15 13 00-0144 RSR 3'-6" Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	112.03	16.02
06 15 13 00-0145 RSR 3'-6" Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	109.21	15.21
06 15 13 00-0146 RSR 4' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	113.86	16.40
06 15 13 00-0147 RSR 4' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	110.85	15.58
06 15 13 00-0148 RSR 4' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	117.49	16.82
06 15 13 00-0149 RSR 4' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	114.53	15.98
06 15 13 00-0150 RSR 5' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	121.04	17.22
06 15 13 00-0151 RSR 5' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	117.93	16.36
06 15 13 00-0152 RSR 5' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	124.92	17.66
06 15 13 00-0153 RSR 5' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	121.86	16.78
06 15 13 00-0154 Wood Deck And Ramp Systems Repairs <small>(06 15 13)</small>		
Note: Includes removal of material and screws. Excludes anchors and bolts.		
06 15 13 00-0155 Deck Joist Or Girt <small>(06 15 13 00-0154)</small>		
See CSI section 06 11 16 00-0012 for treated wood joist replacement, 06 51 13 00-0012 for plastic/composite lumber joist replacement.		
06 15 13 00-0156 Deck Boards <small>(06 15 13 00-0154)</small>		
See CSI section 06 51 13 00-0035 for plastic/composite lumber decking replacement.		
06 15 13 00-0157 LF 5/4" x 4" Round Edge Pressure Treated Deck Boards	1.78	0.75
06 15 13 00-0158 LF 5/4" x 6" Round Edge Pressure Treated Deck Boards	1.98	0.88
06 15 13 00-0159 LF 2" x 4" Round Edge Pressure Treated Deck Boards	1.90	0.88
06 15 13 00-0160 LF 2" x 6" Round Edge Pressure Treated Deck Boards	2.47	1.02
06 15 13 00-0161 LF 2" x 8" Round Edge Pressure Treated Deck Boards	3.13	1.23
06 15 13 00-0162 LF 2" x 10" Round Edge Pressure Treated Deck Boards	3.83	1.50
06 15 13 00-0163 LF 2" x 12" Round Edge Pressure Treated Deck Boards	4.70	1.77
06 15 13 00-0164 LF 2" x 4" Round Edge Cedar Deck Boards	2.06	0.88
06 15 13 00-0165 LF 2" x 6" Round Edge Cedar Deck Boards	2.60	1.02
06 15 13 00-0166 LF 2" x 4" Round Edge Redwood Deck Boards	2.22	0.88
06 15 13 00-0167 LF 2" x 6" Round Edge Redwood Deck Boards	2.85	1.02

06	06	Wood, Plastics, and Composites
	06 10	Rough Carpentry
	06 15	Wood Decking



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 15 13 00-0168	Deck Posts <small>(06 15 13 00-0154)</small> See CSI section 06 11 16 00-0103 for treated wood post replacement, 06 51 13 00-0024 for plastic/composite lumber column replacement.		
06 15 13 00-0169	Deck Railing And Pickets <small>(06 15 13 00-0154)</small> See CSI section 06 51 13 00-0035 for plastic/composite lumber railing replacement.		
06 15 13 00-0170	LF 2" x 4" Pressure Treated Deck Railing.....	1.90	0.88
06 15 13 00-0171	LF 2" x 2" Pressure Treated Deck Railing Picket.....	1.31	0.68
06 15 13 00-0172	LF 2" x 4" Cedar Deck Railing.....	2.06	0.88
06 15 13 00-0173	LF 2" x 2" Cedar Deck Railing Picket.....	1.54	0.68
06 15 13 00-0174	LF 2" x 4" Redwood Deck Railing.....	2.22	0.88
06 15 13 00-0175	LF 2" x 2" Redwood Deck Railing Picket.....	1.67	0.68

06 16 Sheathing (06 10)

06 16 23 Subflooring (06 16)

06 16 23 00-0001	Board Type Subflooring <small>(06 16 23)</small>		
06 16 23 00-0002	SF 1" x 8" Regular Surface Board Type Subfloor..... Note: 4 Sides Laid In A Regular Pattern. <i>For Water Resistant Coating Or Treatment, Add</i> 0.05 <i>For Foil Backing, Add</i> 0.08 <i>For Tongue And Groove, Add</i> 0.05	2.50	0.78
06 16 23 00-0003	SF 1" x 8" Diagonal Surface Board Type Subfloor..... Note: 4 Sides Laid In A Diagonal Pattern. <i>For Water Resistant Coating Or Treatment, Add</i> 0.05 <i>For Foil Backing, Add</i> 0.08 <i>For Tongue And Groove, Add</i> 0.05	2.81	0.97
06 16 23 00-0004	SF 1" x 10" Regular Surface Board Type Subfloor..... Note: 4 sides laid in a regular pattern. <i>For Water Resistant Coating Or Treatment, Add</i> 0.05 <i>For Foil Backing, Add</i> 0.08 <i>For Tongue And Groove, Add</i> 0.05	2.36	0.68
06 16 23 00-0005	SF 1" x 10" Diagonal Surface Board Type Subfloor..... Note: 4 sides laid in a diagonal pattern. <i>For Water Resistant Coating Or Treatment, Add</i> 0.05 <i>For Foil Backing, Add</i> 0.08 <i>For Tongue And Groove, Add</i> 0.05	2.59	0.78

06 16 33 Wood Board Sheathing (06 16)

06 16 33 00-0001	Plywood <small>(06 16 33)</small>		
06 16 33 00-0002	Roof Decking <small>(06 16 33 00-0001)</small>		
06 16 33 00-0003	SF 3/8" Thick CDX Plywood Roof Decking..... Note: Applied to wood rafters. <i>For Shear Wall Construction, Add</i> 0.23 <i>For Exterior CC Grade Plywood, Add</i> 0.06 <i>For Application To Metal Studs, Joists, Or Rafters, Add</i> 0.23 <i>For ACQ Preservative Treatment, Add</i> 0.21 <i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i> 1.71 <i>For Fire Retardant Treatment, Add</i> 0.34 <i>For >1,696 To 3,200, Deduct</i> -0.03 <i>For >3,200 To 6,400, Deduct</i> -0.04 <i>For >6,400 To 12,800, Deduct</i> -0.08 <i>For >12,800, Deduct</i> -0.11	1.57	0.49
06 16 33 00-0004	SF 1/2" Thick CDX Plywood Roof Decking..... Note: Applied to wood rafters. <i>For Shear Wall Construction, Add</i> 0.25 <i>For Exterior CC Grade Plywood, Add</i> 0.08 <i>For Application To Metal Studs, Joists, Or Rafters, Add</i> 0.25 <i>For ACQ Preservative Treatment, Add</i> 0.25 <i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i> 1.88 <i>For Fire Retardant Treatment, Add</i> 0.41 <i>For >1,696 To 3,200, Deduct</i> -0.03 <i>For >3,200 To 6,400, Deduct</i> -0.05 <i>For >6,400 To 12,800, Deduct</i> -0.09 <i>For >12,800, Deduct</i> -0.12	1.77	0.59
06 16 33 00-0005	SF 5/8" Thick CDX Plywood Roof Decking..... Note: Applied to wood rafters. <i>For Shear Wall Construction, Add</i> 0.27 <i>For Exterior CC Grade Plywood, Add</i> 0.10 <i>For Application To Metal Studs, Joists, Or Rafters, Add</i> 0.27 <i>For ACQ Preservative Treatment, Add</i> 0.33 <i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i> 2.03 <i>For Fire Retardant Treatment, Add</i> 0.55 <i>For >1,696 To 3,200, Deduct</i> -0.04 <i>For >3,200 To 6,400, Deduct</i> -0.06 <i>For >6,400 To 12,800, Deduct</i> -0.11 <i>For >12,800, Deduct</i> -0.15 <i>For Tongue And Groove, Add</i> 0.05	2.04	0.59



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0006 SF 3/4" Thick CDX Plywood Roof Decking	2.25	0.68
Note: Applied to wood rafters.		
<i>For Shear Wall Construction, Add</i>	0.29	
<i>For Exterior CC Grade Plywood, Add</i>	0.12	
<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.29	
<i>For ACQ Preservative Treatment, Add</i>	0.38	
<i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	2.18	
<i>For Fire Retardant Treatment, Add</i>	0.63	
<i>For >1,696 To 3,200, Deduct</i>	-0.05	
<i>For >3,200 To 6,400, Deduct</i>	-0.07	
<i>For >6,400 To 12,800, Deduct</i>	-0.12	
<i>For >12,800, Deduct</i>	-0.17	
<i>For Tongue And Groove, Add</i>	0.06	
06 16 33 00-0007 SF 1" Thick CDX Plywood Roof Decking	2.67	0.78
Note: Applied to wood rafters.		
<i>For Shear Wall Construction, Add</i>	0.32	
<i>For Exterior CC Grade Plywood, Add</i>	0.16	
<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.32	
<i>For ACQ Preservative Treatment, Add</i>	0.52	
<i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	2.37	
<i>For Fire Retardant Treatment, Add</i>	0.86	
<i>For >1,696 To 3,200, Deduct</i>	-0.07	
<i>For >3,200 To 6,400, Deduct</i>	-0.10	
<i>For >6,400 To 12,800, Deduct</i>	-0.16	
<i>For >12,800, Deduct</i>	-0.21	
<i>For Tongue And Groove, Add</i>	0.08	
06 16 33 00-0008 Wall Sheathing <small>(06 16 33 00-0001)</small>		
06 16 33 00-0009 SF 1/4" Interior BC Plywood Wall Sheathing.....	1.87	0.68
Note: Applied to wall studs.		
<i>For Shear Wall Construction, Add</i>	0.29	
<i>For Exterior CC Grade Plywood, Add</i>	0.06	
<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.29	
<i>For Ceiling Installation, Add</i>	0.15	
<i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	2.18	
<i>For Fire Retardant Treatment, Add</i>	0.33	
<i>For >1,696 To 3,200, Deduct</i>	-0.03	
<i>For >3,200 To 6,400, Deduct</i>	-0.04	
<i>For >6,400 To 12,800, Deduct</i>	-0.08	
<i>For >12,800, Deduct</i>	-0.12	
06 16 33 00-0010 SF 5/16" Interior BC Plywood Wall Sheathing.....	1.90	0.68
Note: Applied to wall studs.		
<i>For Shear Wall Construction, Add</i>	0.29	
<i>For Exterior CC Grade Plywood, Add</i>	0.07	
<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.29	
<i>For Ceiling Installation, Add</i>	0.15	
<i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	2.18	
<i>For Fire Retardant Treatment, Add</i>	0.36	
<i>For >1,696 To 3,200, Deduct</i>	-0.03	
<i>For >3,200 To 6,400, Deduct</i>	-0.04	
<i>For >6,400 To 12,800, Deduct</i>	-0.09	
<i>For >12,800, Deduct</i>	-0.13	
06 16 33 00-0011 SF 3/8" Interior BC Plywood Wall Sheathing.....	1.94	0.78
Note: Applied to wall studs.		
<i>For Shear Wall Construction, Add</i>	0.29	
<i>For Exterior CC Grade Plywood, Add</i>	0.07	
<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.29	
<i>For Ceiling Installation, Add</i>	0.15	
<i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	2.18	
<i>For Fire Retardant Treatment, Add</i>	0.39	
<i>For >1,696 To 3,200, Deduct</i>	-0.03	
<i>For >3,200 To 6,400, Deduct</i>	-0.04	
<i>For >6,400 To 12,800, Deduct</i>	-0.09	
<i>For >12,800, Deduct</i>	-0.13	
06 16 33 00-0012 SF 1/2" Interior BC Plywood Wall Sheathing.....	2.16	0.78
Note: Applied to wall studs.		
<i>For Shear Wall Construction, Add</i>	0.31	
<i>For Exterior CC Grade Plywood, Add</i>	0.09	
<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.31	
<i>For Ceiling Installation, Add</i>	0.16	
<i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	2.33	
<i>For Fire Retardant Treatment, Add</i>	0.48	
<i>For >1,696 To 3,200, Deduct</i>	-0.04	
<i>For >3,200 To 6,400, Deduct</i>	-0.05	
<i>For >6,400 To 12,800, Deduct</i>	-0.11	
<i>For >12,800, Deduct</i>	-0.15	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 16 Sheathing**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
06 16 33 00-0013	SF	5/8" Interior BC Plywood Wall Sheathing.....		2.45	0.87
		Note: Applied to wall studs.			
		For Shear Wall Construction, Add		0.33	
		For Exterior CC Grade Plywood, Add		0.12	
		For Application To Metal Studs, Joists, Or Rafters, Add		0.33	
		For Ceiling Installation, Add		0.17	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add		2.49	
		For Fire Retardant Treatment, Add		0.62	
		For >1,696 To 3,200, Deduct		-0.05	
		For >3,200 To 6,400, Deduct		-0.07	
		For >6,400 To 12,800, Deduct		-0.13	
		For >12,800, Deduct		-0.18	
06 16 33 00-0014	SF	3/4" Interior BC Plywood Wall Sheathing.....		2.69	0.97
		Note: Applied to wall studs.			
		For Shear Wall Construction, Add		0.36	
		For Exterior CC Grade Plywood, Add		0.14	
		For Application To Metal Studs, Joists, Or Rafters, Add		0.36	
		For Ceiling Installation, Add		0.18	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add		2.69	
		For Fire Retardant Treatment, Add		0.71	
		For >1,696 To 3,200, Deduct		-0.05	
		For >3,200 To 6,400, Deduct		-0.08	
		For >6,400 To 12,800, Deduct		-0.14	
		For >12,800, Deduct		-0.20	
06 16 33 00-0015		Floor Decking <small>(06 16 33 00-0001)</small>			
		Note: Includes patching of seams and all fastener holes where necessary.			
06 16 33 00-0016	SF	5/16" CD Grade Plywood Floor Decking.....		1.44	0.59
		Note: Applied to floor or joists.			
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add		1.64	
		For Fire Retardant Treatment, Add		0.28	
		For >1,696 To 3,200, Deduct		-0.02	
		For >3,200 To 6,400, Deduct		-0.03	
		For >6,400 To 12,800, Deduct		-0.07	
		For >12,800, Deduct		-0.10	
		For ACQ Preservative Treatment, Add		0.17	
		For Fir Plywood, Add		0.06	
		For BC Grade Plywood, Add		0.05	
		For Exterior Glue, Add		0.03	
		For Marine Grade, Add		0.27	
06 16 33 00-0017	SF	3/8" CD Grade Plywood Floor Decking.....		1.50	0.59
		Note: Applied to floor or joists.			
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add		1.73	
		For Fire Retardant Treatment, Add		0.28	
		For >1,696 To 3,200, Deduct		-0.02	
		For >3,200 To 6,400, Deduct		-0.03	
		For >6,400 To 12,800, Deduct		-0.07	
		For >12,800, Deduct		-0.10	
		For ACQ Preservative Treatment, Add		0.17	
		For Fir Plywood, Add		0.06	
		For BC Grade Plywood, Add		0.05	
		For Exterior Glue, Add		0.03	
		For Marine Grade, Add		0.27	
06 16 33 00-0018	SF	1/2" CD Grade Plywood Floor Decking.....		1.69	0.59
		Note: Applied to floor or joists.			
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add		1.83	
		For Fire Retardant Treatment, Add		0.37	
		For >1,696 To 3,200, Deduct		-0.03	
		For >3,200 To 6,400, Deduct		-0.04	
		For >6,400 To 12,800, Deduct		-0.08	
		For >12,800, Deduct		-0.12	
		For ACQ Preservative Treatment, Add		0.23	
		For Fir Plywood, Add		0.09	
		For BC Grade Plywood, Add		0.07	
		For Exterior Glue, Add		0.04	
		For Marine Grade, Add		0.37	
06 16 33 00-0019	SF	5/8" CD Grade Plywood Floor Decking.....		1.93	0.59
		Note: Applied to floor or joists.			
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add		2.00	
		For Fire Retardant Treatment, Add		0.47	
		For >1,696 To 3,200, Deduct		-0.04	
		For >3,200 To 6,400, Deduct		-0.05	
		For >6,400 To 12,800, Deduct		-0.10	
		For >12,800, Deduct		-0.14	
		For ACQ Preservative Treatment, Add		0.29	
		For Fir Plywood, Add		0.11	
		For BC Grade Plywood, Add		0.09	
		For Exterior Glue, Add		0.06	
		For Marine Grade, Add		0.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0020 SF 3/4" CD Grade Plywood Floor Decking.....	2.17	0.59
Note: Applied to floor or joists.		
For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.10	
For Fire Retardant Treatment, Add	0.61	
For >1,696 To 3,200, Deduct	-0.05	
For >3,200 To 6,400, Deduct	-0.07	
For >6,400 To 12,800, Deduct	-0.12	
For >12,800, Deduct	-0.16	
For ACQ Preservative Treatment, Add	0.37	
For Fir Plywood, Add	0.14	
For BC Grade Plywood, Add	0.11	
For Exterior Glue, Add	0.07	
For Marine Grade, Add	0.60	
06 16 33 00-0021 SF 1-1/8" CD Grade Plywood Floor Decking.....	3.13	0.87
Note: Applied to floor or joists.		
For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.51	
For Fire Retardant Treatment, Add	1.15	
For >1,696 To 3,200, Deduct	-0.09	
For >3,200 To 6,400, Deduct	-0.13	
For >6,400 To 12,800, Deduct	-0.20	
For >12,800, Deduct	-0.26	
For ACQ Preservative Treatment, Add	0.70	
For Fir Plywood, Add	0.27	
For BC Grade Plywood, Add	0.22	
For Exterior Glue, Add	0.14	
For Marine Grade, Add	1.14	
06 16 33 00-0022 SF 1/2" AC Fir Plywood Floor Decking.....	1.97	0.59
Note: Applied to floor or joists.		
For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	1.83	
For Fire Retardant Treatment, Add	0.59	
For >1,696 To 3,200, Deduct	-0.05	
For >3,200 To 6,400, Deduct	-0.07	
For >6,400 To 12,800, Deduct	-0.11	
For >12,800, Deduct	-0.15	
For ACQ Preservative Treatment, Add	0.36	
For Exterior Glue, Add	0.07	
For Marine Grade, Add	0.59	
For Tongue And Groove, Add	0.05	
06 16 33 00-0023 SF 5/8" AC Fir Plywood Floor Decking.....	2.27	0.59
Note: Applied to floor or joists.		
For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.00	
For Fire Retardant Treatment, Add	0.74	
For >1,696 To 3,200, Deduct	-0.06	
For >3,200 To 6,400, Deduct	-0.08	
For >6,400 To 12,800, Deduct	-0.14	
For >12,800, Deduct	-0.18	
For ACQ Preservative Treatment, Add	0.45	
For Exterior Glue, Add	0.09	
For Marine Grade, Add	0.74	
For Tongue And Groove, Add	0.07	
06 16 33 00-0024 SF 3/4" AC Fir Plywood Floor Decking.....	2.41	0.59
Note: Applied to floor or joists.		
For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.10	
For Fire Retardant Treatment, Add	0.80	
For >1,696 To 3,200, Deduct	-0.06	
For >3,200 To 6,400, Deduct	-0.09	
For >6,400 To 12,800, Deduct	-0.15	
For >12,800, Deduct	-0.19	
For ACQ Preservative Treatment, Add	0.48	
For Exterior Glue, Add	0.09	
For Marine Grade, Add	0.79	
For Tongue And Groove, Add	0.07	
06 16 33 00-0025 Underlayment Grade Subfloor <small>(06 16 33 00-0001)</small>		
Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0026 SF 1/4" Thick Plywood Underlayment BC Grade Subfloor	1.53	0.59
For Fire Retardant Treatment, Add	0.32	
For >1,696 To 3,200, Deduct	-0.02	
For >3,200 To 6,400, Deduct	-0.04	
For >6,400 To 12,800, Deduct	-0.06	
For >12,800, Deduct	-0.11	
06 16 33 00-0027 SF 3/8" Thick Plywood Underlayment BC Grade Subfloor	1.64	0.59
For Fire Retardant Treatment, Add	0.36	
For >1,696 To 3,200, Deduct	-0.03	
For >3,200 To 6,400, Deduct	-0.04	
For >6,400 To 12,800, Deduct	-0.07	
For >12,800, Deduct	-0.11	
06 16 33 00-0028 SF 1/2" Thick Plywood Underlayment BC Grade Subfloor	1.69	0.68
For Fire Retardant Treatment, Add	0.38	
For >1,696 To 3,200, Deduct	-0.03	
For >3,200 To 6,400, Deduct	-0.04	
For >6,400 To 12,800, Deduct	-0.07	
For >12,800, Deduct	-0.12	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 16 Sheathing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0029	SF		5/8" Thick Plywood Underlayment BC Grade Subfloor	1.92	0.68
			<i>For Fire Retardant Treatment, Add</i>	0.45	
			<i>For >1,696 To 3,200, Deduct</i>	-0.03	
			<i>For >3,200 To 6,400, Deduct</i>	-0.05	
			<i>For >6,400 To 12,800, Deduct</i>	-0.09	
			<i>For >12,800, Deduct</i>	-0.14	
			<i>For Tongue And Groove, Add</i>	0.04	
06 16 33 00-0030	SF		3/4" Thick Plywood Underlayment BC Grade Subfloor	2.05	0.68
			<i>For Fire Retardant Treatment, Add</i>	0.55	
			<i>For >1,696 To 3,200, Deduct</i>	-0.04	
			<i>For >3,200 To 6,400, Deduct</i>	-0.06	
			<i>For >6,400 To 12,800, Deduct</i>	-0.10	
			<i>For >12,800, Deduct</i>	-0.15	
			<i>For Tongue And Groove, Add</i>	0.05	
06 16 33 00-0031	SF		1-1/8" Thick Plywood Underlayment BC Grade Subfloor	2.56	0.78
			<i>For Fire Retardant Treatment, Add</i>	0.84	
			<i>For >1,696 To 3,200, Deduct</i>	-0.06	
			<i>For >3,200 To 6,400, Deduct</i>	-0.10	
			<i>For >6,400 To 12,800, Deduct</i>	-0.13	
			<i>For >12,800, Deduct</i>	-0.20	
			<i>For Tongue And Groove, Add</i>	0.07	
06 16 33 00-0032	SF		3/8" Thick Plywood CDX Grade Subfloor	1.73	0.59
			<i>For Fire Retardant Treatment, Add</i>	0.43	
			<i>For >1,696 To 3,200, Deduct</i>	-0.03	
			<i>For >3,200 To 6,400, Deduct</i>	-0.05	
			<i>For >6,400 To 12,800, Deduct</i>	-0.08	
			<i>For >12,800, Deduct</i>	-0.12	
06 16 33 00-0033	SF		5/8" Thick Plywood CDX Grade Subfloor	2.15	0.68
			<i>For Fire Retardant Treatment, Add</i>	0.65	
			<i>For >1,696 To 3,200, Deduct</i>	-0.05	
			<i>For >3,200 To 6,400, Deduct</i>	-0.07	
			<i>For >6,400 To 12,800, Deduct</i>	-0.11	
			<i>For >12,800, Deduct</i>	-0.16	
06 16 33 00-0034			Oriented Strand Board <small>(06 16 33)</small>		
06 16 33 00-0035			On Roof <small>(06 16 33 00-0034)</small>		
06 16 33 00-0036	SF		3/8" Thick Structural Oriented Strand Board On Roof	1.39	0.59
			<i>For >1,408 To 3,200, Deduct</i>	-0.02	
			<i>For >3,200 To 6,400, Deduct</i>	-0.02	
			<i>For >6,400 To 12,800, Deduct</i>	-0.06	
			<i>For >12,800, Deduct</i>	-0.09	
			<i>For Fire Retardant Treatment, Add</i>	0.20	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	1.71	
06 16 33 00-0037	SF		1/2" Thick Structural Oriented Strand Board On Roof	1.54	0.59
			<i>For >1,408 To 3,200, Deduct</i>	-0.02	
			<i>For >3,200 To 6,400, Deduct</i>	-0.03	
			<i>For >6,400 To 12,800, Deduct</i>	-0.06	
			<i>For >12,800, Deduct</i>	-0.10	
			<i>For Fire Retardant Treatment, Add</i>	0.23	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	1.88	
06 16 33 00-0038	SF		5/8" Thick Structural Oriented Strand Board On Roof	1.77	0.68
			<i>For >1,408 To 3,200, Deduct</i>	-0.03	
			<i>For >3,200 To 6,400, Deduct</i>	-0.04	
			<i>For >6,400 To 12,800, Deduct</i>	-0.08	
			<i>For >12,800, Deduct</i>	-0.12	
			<i>For Fire Retardant Treatment, Add</i>	0.33	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	2.03	
06 16 33 00-0039	SF		3/4" Thick Structural Oriented Strand Board On Roof	2.01	0.68
			<i>For >1,408 To 3,200, Deduct</i>	-0.03	
			<i>For >3,200 To 6,400, Deduct</i>	-0.05	
			<i>For >6,400 To 12,800, Deduct</i>	-0.10	
			<i>For >12,800, Deduct</i>	-0.14	
			<i>For Fire Retardant Treatment, Add</i>	0.44	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	2.18	
06 16 33 00-0040			On Walls <small>(06 16 33 00-0034)</small>		
06 16 33 00-0041	SF		3/8" Thick Structural Oriented Strand Board On Walls	1.70	0.68
			<i>For >1,408 To 3,200, Deduct</i>	-0.02	
			<i>For >3,200 To 6,400, Deduct</i>	-0.02	
			<i>For >6,400 To 12,800, Deduct</i>	-0.06	
			<i>For >12,800, Deduct</i>	-0.10	
			<i>For Fire Retardant Treatment, Add</i>	0.20	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	2.18	
06 16 33 00-0042	SF		1/2" Thick Structural Oriented Strand Board On Walls	1.84	0.78
			<i>For >1,408 To 3,200, Deduct</i>	-0.02	
			<i>For >3,200 To 6,400, Deduct</i>	-0.03	
			<i>For >6,400 To 12,800, Deduct</i>	-0.07	
			<i>For >12,800, Deduct</i>	-0.11	
			<i>For Fire Retardant Treatment, Add</i>	0.23	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	2.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0043 SF 5/8" Thick Structural Oriented Strand Board On Walls	2.08	0.87
For >1,408 To 3,200, Deduct	-0.03	
For >3,200 To 6,400, Deduct	-0.04	
For >6,400 To 12,800, Deduct	-0.09	
For >12,800, Deduct	-0.13	
For Fire Retardant Treatment, Add	0.33	
For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.49	
06 16 33 00-0044 SF 3/4" Thick Structural Oriented Strand Board On Walls	2.35	0.87
For >1,408 To 3,200, Deduct	-0.03	
For >3,200 To 6,400, Deduct	-0.05	
For >6,400 To 12,800, Deduct	-0.11	
For >12,800, Deduct	-0.16	
For Fire Retardant Treatment, Add	0.44	
For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.69	
06 16 33 00-0045 On Floors <small>(06 16 33 00-0034)</small>		
Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0046 SF 3/8" Thick Structural Oriented Strand Board On Floors	1.41	0.59
For >1,408 To 3,200, Deduct	-0.02	
For >3,200 To 6,400, Deduct	-0.02	
For >6,400 To 12,800, Deduct	-0.06	
For >12,800, Deduct	-0.09	
For Fire Retardant Treatment, Add	0.20	
For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	1.74	
06 16 33 00-0047 SF 1/2" Thick Structural Oriented Strand Board On Floors	1.69	0.68
For >1,408 To 3,200, Deduct	-0.02	
For >3,200 To 6,400, Deduct	-0.03	
For >6,400 To 12,800, Deduct	-0.07	
For >12,800, Deduct	-0.10	
For Fire Retardant Treatment, Add	0.23	
For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.10	
06 16 33 00-0048 SF 5/8" Thick Structural Oriented Strand Board On Floors	1.94	0.78
For >1,408 To 3,200, Deduct	-0.03	
For >3,200 To 6,400, Deduct	-0.04	
For >6,400 To 12,800, Deduct	-0.08	
For >12,800, Deduct	-0.13	
For Fire Retardant Treatment, Add	0.33	
For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.28	
06 16 33 00-0049 SF 3/4" Thick Structural Oriented Strand Board On Floors	2.22	0.87
For >1,408 To 3,200, Deduct	-0.03	
For >3,200 To 6,400, Deduct	-0.05	
For >6,400 To 12,800, Deduct	-0.10	
For >12,800, Deduct	-0.15	
For Fire Retardant Treatment, Add	0.44	
For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.49	
06 16 33 00-0050 Particle Board <small>(06 16 33)</small>		
06 16 33 00-0051 Particle Board Floor Decking <small>(06 16 33 00-0050)</small>		
Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0052 SF 3/8" Particle Board Floor Decking	1.50	0.49
Note: Applied to plywood subfloor.		
For Fire Retardant Treatment Add	0.28	
For >1,536 To 3,200, Deduct	-0.02	
For >3,200 To 6,400, Deduct	-0.03	
For >6,400 To 12,800, Deduct	-0.07	
For >12,800, Deduct	-0.10	
For Tongue And Groove, Add	0.03	
06 16 33 00-0053 SF 1/2" Particle Board Floor Decking	1.71	0.49
Note: Applied to plywood subfloor.		
For Fire Retardant Treatment Add	0.39	
For >1,536 To 3,200, Deduct	-0.03	
For >3,200 To 6,400, Deduct	-0.04	
For >6,400 To 12,800, Deduct	-0.08	
For >12,800, Deduct	-0.12	
For Tongue And Groove, Add	0.03	
06 16 33 00-0054 SF 5/8" Particle Board Floor Decking	1.90	0.59
Note: Applied to plywood subfloor.		
For Fire Retardant Treatment Add	0.49	
For >1,536 To 3,200, Deduct	-0.04	
For >3,200 To 6,400, Deduct	-0.06	
For >6,400 To 12,800, Deduct	-0.10	
For >12,800, Deduct	-0.14	
For Tongue And Groove, Add	0.04	
06 16 33 00-0055 SF 3/4" Particle Board Floor Decking	2.08	0.59
Note: Applied to plywood subfloor.		
For Fire Retardant Treatment Add	0.57	
For >1,536 To 3,200, Deduct	-0.04	
For >3,200 To 6,400, Deduct	-0.06	
For >6,400 To 12,800, Deduct	-0.11	
For >12,800, Deduct	-0.15	
For Tongue And Groove, Add	0.05	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 16 Sheathing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**06 16 43 Gypsum Sheathing** (06 16)**06 16 43 00-0001 Exterior Gypsum Sheathing** (06 16 43)

Note: Includes moisture resistant core and fiberglass mats on both sides and long edges.

06 16 43 00-0002	SF	1/2" Exterior Gypsum Sheathing (GP Dens-Glass Gold)	2.37	0.78
		<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.31	
		<i>For Ceiling Installation, Add</i>	0.16	
		<i>For >1,696 To 3,200, Deduct</i>	-0.05	
		<i>For >3,200 To 6,400, Deduct</i>	-0.07	
		<i>For >6,400 To 12,800, Deduct</i>	-0.13	
		<i>For >12,800, Deduct</i>	-0.18	
		<i>For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add</i>	2.33	
06 16 43 00-0003	SF	5/8" Exterior Gypsum Sheathing (GP Dens-Glass Gold)	2.56	0.97
		<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.33	
		<i>For Ceiling Installation, Add</i>	0.17	
		<i>For >1,696 To 3,200, Deduct</i>	-0.05	
		<i>For >3,200 To 6,400, Deduct</i>	-0.08	
		<i>For >6,400 To 12,800, Deduct</i>	-0.14	
		<i>For >12,800, Deduct</i>	-0.19	
		<i>For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add</i>	2.49	

06 17 Shop-Fabricated Structural Wood (06 10)**06 17 13 Laminated Veneer Lumber** (06 17)**06 17 13 00-0001 Laminated Veneer Lumber (LVL)** (06 17 13)

06 17 13 00-0002	LF	1-3/4" Wide x 5-1/2" Deep Laminated Veneer Lumber (LVL)	5.79	1.68
06 17 13 00-0003	LF	1-3/4" Wide x 7-1/4" Deep Laminated Veneer Lumber (LVL)	6.27	1.71
06 17 13 00-0004	LF	1-3/4" Wide x 9-1/2" Deep Laminated Veneer Lumber (LVL)	6.84	1.73
06 17 13 00-0005	LF	1-3/4" Wide x 11-7/8" Deep Laminated Veneer Lumber (LVL)	7.54	1.76
06 17 13 00-0006	LF	1-3/4" Wide x 14" Deep Laminated Veneer Lumber (LVL)	8.08	1.79
06 17 13 00-0007	LF	1-3/4" Wide x 16" Deep Laminated Veneer Lumber (LVL)	8.84	1.85
06 17 13 00-0008	LF	1-3/4" Wide x 18" Deep Laminated Veneer Lumber (LVL)	9.90	1.88
06 17 13 00-0009	LF	1-3/4" Wide x 24" Deep Laminated Veneer Lumber (LVL)	13.30	2.14

06 17 23 Parallel Strand Lumber (06 17)**06 17 23 00-0001 Laminated Strand Lumber (LSL)** (06 17 23)

06 17 23 00-0002	LF	2" x 4" Laminated Strand Lumber (LSL)	1.98	0.78
06 17 23 00-0003	LF	2" x 6" Laminated Strand Lumber (LSL)	2.58	0.83

06 17 33 Wood I-Joists (06 17)**06 17 33 00-0001 Prefabricated Wood I-Joists** (06 17 33)

06 17 33 00-0002	LF	9-1/2" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	3.51	1.05
		<i>For I-Joists 30' To 40' In Length, Add</i>	0.46	
		<i>For I-Joists >40' In Length, Add</i>	1.12	
06 17 33 00-0003	LF	11-7/8" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	3.80	1.16
		<i>For I-Joists 30' To 40' In Length, Add</i>	0.51	
		<i>For I-Joists >40' In Length, Add</i>	1.25	
06 17 33 00-0004	LF	14" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	4.44	1.30
		<i>For I-Joists 30' To 40' In Length, Add</i>	0.58	
		<i>For I-Joists >40' In Length, Add</i>	1.41	
06 17 33 00-0005	LF	16" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	4.98	1.45
		<i>For I-Joists 30' To 40' In Length, Add</i>	0.64	
		<i>For I-Joists >40' In Length, Add</i>	1.57	

06 17 43 Rim Boards (06 17)**06 17 43 00-0001 Oriented Strand Board (OSB) Rim Board** (06 17 43)

06 17 43 00-0002	LF	1-1/8" Wide x 9-1/2" Deep, Oriented Strand Board (OSB) Rim Board	4.91	1.73
06 17 43 00-0003	LF	1-1/8" Wide x 11-7/8" Deep, Oriented Strand Board (OSB) Rim Board	5.29	1.76
06 17 43 00-0004	LF	1-1/8" Wide x 14" Deep, Oriented Strand Board (OSB) Rim Board	5.75	1.79

06 17 53 Shop-Fabricated Wood Trusses (06 17)**06 17 53 00-0001 Pre-Assembled Wood Roof Trusses** (06 17 53)

Note: For King Post, Queen Post, Fink or Howe types. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.

06 17 53 00-0002	EA	10' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	148.38	61.01
		<i>For Up To 15, Add</i>	1.98	
		<i>For >35, Deduct</i>	-1.32	
		<i>For 3 In 12 Slope, Add</i>	0.79	
		<i>For 5 In 12 Slope, Add</i>	2.11	
		<i>For 6 In 12 Slope, Add</i>	3.96	
		<i>For 7 In 12 Slope, Add</i>	5.28	
		<i>For 8 In 12 Slope, Add</i>	6.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0003 EA 12' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	164.43	66.81
For Up To 15, Add	2.31	
For >35, Deduct	-1.54	
For 3 In 12 Slope, Add	0.92	
For 5 In 12 Slope, Add	2.46	
For 6 In 12 Slope, Add	4.62	
For 7 In 12 Slope, Add	6.16	
For 8 In 12 Slope, Add	7.39	
06 17 53 00-0004 EA 14' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	182.32	72.63
For Up To 15, Add	2.78	
For >35, Deduct	-1.85	
For 3 In 12 Slope, Add	1.11	
For 5 In 12 Slope, Add	2.97	
For 6 In 12 Slope, Add	5.56	
For 7 In 12 Slope, Add	7.42	
For 8 In 12 Slope, Add	8.90	
06 17 53 00-0005 EA 16' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	205.04	78.43
For Up To 15, Add	3.61	
For >35, Deduct	-2.41	
For 3 In 12 Slope, Add	1.45	
For 5 In 12 Slope, Add	3.85	
For 6 In 12 Slope, Add	7.23	
For 7 In 12 Slope, Add	9.64	
For 8 In 12 Slope, Add	11.56	
06 17 53 00-0006 EA 18' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	224.99	84.24
For Up To 15, Add	4.24	
For >35, Deduct	-2.83	
For 3 In 12 Slope, Add	1.70	
For 5 In 12 Slope, Add	4.52	
For 6 In 12 Slope, Add	8.48	
For 7 In 12 Slope, Add	11.30	
For 8 In 12 Slope, Add	13.56	
06 17 53 00-0007 EA 20' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	238.67	92.95
For Up To 15, Add	3.96	
For >35, Deduct	-2.64	
For 3 In 12 Slope, Add	1.58	
For 5 In 12 Slope, Add	4.22	
For 6 In 12 Slope, Add	7.91	
For 7 In 12 Slope, Add	10.55	
For 8 In 12 Slope, Add	12.66	
06 17 53 00-0008 EA 22' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	251.83	148.14
For Up To 15, Add	4.07	
For >35, Deduct	-2.72	
For 3 In 12 Slope, Add	1.63	
For 5 In 12 Slope, Add	4.34	
For 6 In 12 Slope, Add	8.15	
For 7 In 12 Slope, Add	10.86	
For 8 In 12 Slope, Add	13.03	
06 17 53 00-0009 EA 24' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	268.05	104.58
For Up To 15, Add	4.42	
For >35, Deduct	-2.95	
For 3 In 12 Slope, Add	1.77	
For 5 In 12 Slope, Add	4.71	
For 6 In 12 Slope, Add	8.84	
For 7 In 12 Slope, Add	11.78	
For 8 In 12 Slope, Add	14.14	
06 17 53 00-0010 EA 26' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	284.77	165.58
For Up To 15, Add	4.80	
For >35, Deduct	-3.20	
For 3 In 12 Slope, Add	1.92	
For 5 In 12 Slope, Add	5.12	
For 6 In 12 Slope, Add	9.60	
For 7 In 12 Slope, Add	12.80	
For 8 In 12 Slope, Add	15.36	
06 17 53 00-0011 EA 28' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	302.16	116.20
For Up To 15, Add	5.23	
For >35, Deduct	-3.49	
For 3 In 12 Slope, Add	2.09	
For 5 In 12 Slope, Add	5.58	
For 6 In 12 Slope, Add	10.47	
For 7 In 12 Slope, Add	13.95	
For 8 In 12 Slope, Add	16.74	
06 17 53 00-0012 EA 30' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	316.00	183.01
For Up To 15, Add	5.40	
For >35, Deduct	-3.60	
For 3 In 12 Slope, Add	2.16	
For 5 In 12 Slope, Add	5.76	
For 6 In 12 Slope, Add	10.80	
For 7 In 12 Slope, Add	14.40	
For 8 In 12 Slope, Add	17.28	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0013	EA	32'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	329.00	124.91
			<i>For Up To 15, Add</i>	5.94	
			<i>For >35, Deduct</i>	-3.96	
			<i>For 3 In 12 Slope, Add</i>	2.38	
			<i>For 5 In 12 Slope, Add</i>	6.33	
			<i>For 6 In 12 Slope, Add</i>	11.88	
			<i>For 7 In 12 Slope, Add</i>	15.84	
			<i>For 8 In 12 Slope, Add</i>	19.00	
06 17 53 00-0014	EA	34'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	356.38	196.13
			<i>For Up To 15, Add</i>	7.12	
			<i>For >35, Deduct</i>	-4.75	
			<i>For 3 In 12 Slope, Add</i>	2.85	
			<i>For 5 In 12 Slope, Add</i>	7.60	
			<i>For 6 In 12 Slope, Add</i>	14.24	
			<i>For 7 In 12 Slope, Add</i>	18.99	
			<i>For 8 In 12 Slope, Add</i>	22.79	
06 17 53 00-0015	EA	36'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	369.65	133.62
			<i>For Up To 15, Add</i>	7.68	
			<i>For >35, Deduct</i>	-5.12	
			<i>For 3 In 12 Slope, Add</i>	3.07	
			<i>For 5 In 12 Slope, Add</i>	8.19	
			<i>For 6 In 12 Slope, Add</i>	15.36	
			<i>For 7 In 12 Slope, Add</i>	20.48	
			<i>For 8 In 12 Slope, Add</i>	24.58	
06 17 53 00-0016	EA	38'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	388.26	209.15
			<i>For Up To 15, Add</i>	8.21	
			<i>For >35, Deduct</i>	-5.47	
			<i>For 3 In 12 Slope, Add</i>	3.28	
			<i>For 5 In 12 Slope, Add</i>	8.75	
			<i>For 6 In 12 Slope, Add</i>	16.41	
			<i>For 7 In 12 Slope, Add</i>	21.88	
			<i>For 8 In 12 Slope, Add</i>	26.26	
06 17 53 00-0017	EA	40'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	402.23	145.24
			<i>For Up To 15, Add</i>	8.38	
			<i>For >35, Deduct</i>	-5.59	
			<i>For 3 In 12 Slope, Add</i>	3.35	
			<i>For 5 In 12 Slope, Add</i>	8.94	
			<i>For 6 In 12 Slope, Add</i>	16.76	
			<i>For 7 In 12 Slope, Add</i>	22.35	
			<i>For 8 In 12 Slope, Add</i>	26.82	
06 17 53 00-0018	EA	42'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	437.48	226.58
			<i>For Up To 15, Add</i>	10.15	
			<i>For >35, Deduct</i>	-6.77	
			<i>For 3 In 12 Slope, Add</i>	4.06	
			<i>For 5 In 12 Slope, Add</i>	10.83	
			<i>For 6 In 12 Slope, Add</i>	20.31	
			<i>For 7 In 12 Slope, Add</i>	27.08	
			<i>For 8 In 12 Slope, Add</i>	32.49	
06 17 53 00-0019	EA	44'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	472.10	156.86
			<i>For Up To 15, Add</i>	11.88	
			<i>For >35, Deduct</i>	-7.92	
			<i>For 3 In 12 Slope, Add</i>	4.75	
			<i>For 5 In 12 Slope, Add</i>	12.67	
			<i>For 6 In 12 Slope, Add</i>	23.76	
			<i>For 7 In 12 Slope, Add</i>	31.67	
			<i>For 8 In 12 Slope, Add</i>	38.01	
06 17 53 00-0020	EA	46'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	488.82	162.67
			<i>For Up To 15, Add</i>	12.26	
			<i>For >35, Deduct</i>	-8.17	
			<i>For 3 In 12 Slope, Add</i>	4.90	
			<i>For 5 In 12 Slope, Add</i>	13.08	
			<i>For 6 In 12 Slope, Add</i>	24.52	
			<i>For 7 In 12 Slope, Add</i>	32.69	
			<i>For 8 In 12 Slope, Add</i>	39.23	
06 17 53 00-0021	EA	48'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	511.71	168.48
			<i>For Up To 15, Add</i>	13.11	
			<i>For >35, Deduct</i>	-8.74	
			<i>For 3 In 12 Slope, Add</i>	5.24	
			<i>For 5 In 12 Slope, Add</i>	13.98	
			<i>For 6 In 12 Slope, Add</i>	26.21	
			<i>For 7 In 12 Slope, Add</i>	34.95	
			<i>For 8 In 12 Slope, Add</i>	41.94	
06 17 53 00-0022	EA	50'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	572.27	174.29
			<i>For Up To 15, Add</i>	16.78	
			<i>For >35, Deduct</i>	-11.18	
			<i>For 3 In 12 Slope, Add</i>	6.71	
			<i>For 5 In 12 Slope, Add</i>	17.89	
			<i>For 6 In 12 Slope, Add</i>	33.55	
			<i>For 7 In 12 Slope, Add</i>	44.74	
			<i>For 8 In 12 Slope, Add</i>	53.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0023 EA 52' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	548.65	156.74
<i>For Up To 15, Add</i>	15.00	
<i>For >35, Deduct</i>	-10.00	
<i>For 3 In 12 Slope, Add</i>	6.00	
<i>For 5 In 12 Slope, Add</i>	16.00	
<i>For 6 In 12 Slope, Add</i>	30.01	
<i>For 7 In 12 Slope, Add</i>	40.01	
<i>For 8 In 12 Slope, Add</i>	48.01	
06 17 53 00-0024 EA 54' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	575.73	183.01
<i>For Up To 15, Add</i>	15.73	
<i>For >35, Deduct</i>	-10.49	
<i>For 3 In 12 Slope, Add</i>	6.29	
<i>For 5 In 12 Slope, Add</i>	16.78	
<i>For 6 In 12 Slope, Add</i>	31.46	
<i>For 7 In 12 Slope, Add</i>	41.94	
<i>For 8 In 12 Slope, Add</i>	50.33	
06 17 53 00-0025 EA 56' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	597.66	169.64
<i>For Up To 15, Add</i>	16.50	
<i>For >35, Deduct</i>	-11.00	
<i>For 3 In 12 Slope, Add</i>	6.60	
<i>For 5 In 12 Slope, Add</i>	17.60	
<i>For 6 In 12 Slope, Add</i>	33.00	
<i>For 7 In 12 Slope, Add</i>	44.01	
<i>For 8 In 12 Slope, Add</i>	52.81	
06 17 53 00-0026 EA 58' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	615.68	191.72
<i>For Up To 15, Add</i>	17.42	
<i>For >35, Deduct</i>	-11.61	
<i>For 3 In 12 Slope, Add</i>	6.97	
<i>For 5 In 12 Slope, Add</i>	18.58	
<i>For 6 In 12 Slope, Add</i>	34.84	
<i>For 7 In 12 Slope, Add</i>	46.45	
<i>For 8 In 12 Slope, Add</i>	55.74	
06 17 53 00-0027 EA 60' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	627.78	194.63
<i>For Up To 15, Add</i>	17.89	
<i>For >35, Deduct</i>	-11.93	
<i>For 3 In 12 Slope, Add</i>	7.16	
<i>For 5 In 12 Slope, Add</i>	19.08	
<i>For 6 In 12 Slope, Add</i>	35.78	
<i>For 7 In 12 Slope, Add</i>	47.71	
<i>For 8 In 12 Slope, Add</i>	57.25	
06 17 53 00-0028 Pre-Assembled Wood Gable End Roof Trusses <small>(06 17 53)</small>		
<small>Note: 24' on center gable studs. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.</small>		
06 17 53 00-0029 EA 10' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	151.74	61.01
<i>For 3 In 12 Slope, Add</i>	0.89	
<i>For 5 In 12 Slope, Add</i>	2.38	
<i>For 6 In 12 Slope, Add</i>	4.46	
<i>For 7 In 12 Slope, Add</i>	5.95	
<i>For 8 In 12 Slope, Add</i>	7.14	
<i>For 16" On Center Gable Studs, Add</i>	5.95	
06 17 53 00-0030 EA 12' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	168.35	66.81
<i>For 3 In 12 Slope, Add</i>	1.04	
<i>For 5 In 12 Slope, Add</i>	2.78	
<i>For 6 In 12 Slope, Add</i>	5.21	
<i>For 7 In 12 Slope, Add</i>	6.95	
<i>For 8 In 12 Slope, Add</i>	8.34	
<i>For 16" On Center Gable Studs, Add</i>	6.95	
06 17 53 00-0031 EA 14' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	187.03	72.63
<i>For 3 In 12 Slope, Add</i>	1.25	
<i>For 5 In 12 Slope, Add</i>	3.34	
<i>For 6 In 12 Slope, Add</i>	6.27	
<i>For 7 In 12 Slope, Add</i>	8.36	
<i>For 8 In 12 Slope, Add</i>	10.03	
<i>For 16" On Center Gable Studs, Add</i>	8.36	
06 17 53 00-0032 EA 16' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	211.17	78.43
<i>For 3 In 12 Slope, Add</i>	1.63	
<i>For 5 In 12 Slope, Add</i>	4.34	
<i>For 6 In 12 Slope, Add</i>	8.15	
<i>For 7 In 12 Slope, Add</i>	10.86	
<i>For 8 In 12 Slope, Add</i>	13.03	
<i>For 16" On Center Gable Studs, Add</i>	10.86	
06 17 53 00-0033 EA 18' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	232.17	84.24
<i>For 3 In 12 Slope, Add</i>	1.91	
<i>For 5 In 12 Slope, Add</i>	5.10	
<i>For 6 In 12 Slope, Add</i>	9.55	
<i>For 7 In 12 Slope, Add</i>	12.74	
<i>For 8 In 12 Slope, Add</i>	15.29	
<i>For 16" On Center Gable Studs, Add</i>	12.74	
06 17 53 00-0034 EA 20' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	252.93	92.95
<i>For 3 In 12 Slope, Add</i>	2.01	
<i>For 5 In 12 Slope, Add</i>	5.36	
<i>For 6 In 12 Slope, Add</i>	10.05	
<i>For 7 In 12 Slope, Add</i>	13.40	
<i>For 8 In 12 Slope, Add</i>	16.08	
<i>For 16" On Center Gable Studs, Add</i>	13.40	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0035	EA	22'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	266.50	98.77
			<i>For 3 In 12 Slope, Add</i>	2.07	
			<i>For 5 In 12 Slope, Add</i>	5.52	
			<i>For 6 In 12 Slope, Add</i>	10.35	
			<i>For 7 In 12 Slope, Add</i>	13.79	
			<i>For 8 In 12 Slope, Add</i>	16.55	
			<i>For 16" On Center Gable Studs, Add</i>	13.79	
06 17 53 00-0036	EA	24'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	283.96	104.58
			<i>For 3 In 12 Slope, Add</i>	2.24	
			<i>For 5 In 12 Slope, Add</i>	5.98	
			<i>For 6 In 12 Slope, Add</i>	11.22	
			<i>For 7 In 12 Slope, Add</i>	14.96	
			<i>For 8 In 12 Slope, Add</i>	17.95	
			<i>For 16" On Center Gable Studs, Add</i>	14.96	
06 17 53 00-0037	EA	26'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	302.06	110.38
			<i>For 3 In 12 Slope, Add</i>	2.44	
			<i>For 5 In 12 Slope, Add</i>	6.50	
			<i>For 6 In 12 Slope, Add</i>	12.19	
			<i>For 7 In 12 Slope, Add</i>	16.26	
			<i>For 8 In 12 Slope, Add</i>	19.51	
			<i>For 16" On Center Gable Studs, Add</i>	16.26	
06 17 53 00-0038	EA	28'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	321.01	116.20
			<i>For 3 In 12 Slope, Add</i>	2.66	
			<i>For 5 In 12 Slope, Add</i>	7.09	
			<i>For 6 In 12 Slope, Add</i>	13.29	
			<i>For 7 In 12 Slope, Add</i>	17.72	
			<i>For 8 In 12 Slope, Add</i>	21.27	
			<i>For 16" On Center Gable Studs, Add</i>	17.72	
06 17 53 00-0039	EA	30'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	336.22	122.00
			<i>For 3 In 12 Slope, Add</i>	2.77	
			<i>For 5 In 12 Slope, Add</i>	7.38	
			<i>For 6 In 12 Slope, Add</i>	13.83	
			<i>For 7 In 12 Slope, Add</i>	18.44	
			<i>For 8 In 12 Slope, Add</i>	22.13	
			<i>For 16" On Center Gable Studs, Add</i>	18.44	
06 17 53 00-0040	EA	32'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	351.25	124.91
			<i>For 3 In 12 Slope, Add</i>	3.04	
			<i>For 5 In 12 Slope, Add</i>	8.11	
			<i>For 6 In 12 Slope, Add</i>	15.21	
			<i>For 7 In 12 Slope, Add</i>	20.29	
			<i>For 8 In 12 Slope, Add</i>	24.34	
			<i>For 16" On Center Gable Studs, Add</i>	20.29	
06 17 53 00-0041	EA	34'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	383.05	130.72
			<i>For 3 In 12 Slope, Add</i>	3.65	
			<i>For 5 In 12 Slope, Add</i>	9.73	
			<i>For 6 In 12 Slope, Add</i>	18.24	
			<i>For 7 In 12 Slope, Add</i>	24.32	
			<i>For 8 In 12 Slope, Add</i>	29.19	
			<i>For 16" On Center Gable Studs, Add</i>	24.32	
06 17 53 00-0042	EA	36'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	398.44	133.62
			<i>For 3 In 12 Slope, Add</i>	3.94	
			<i>For 5 In 12 Slope, Add</i>	10.50	
			<i>For 6 In 12 Slope, Add</i>	19.68	
			<i>For 7 In 12 Slope, Add</i>	26.24	
			<i>For 8 In 12 Slope, Add</i>	31.49	
			<i>For 16" On Center Gable Studs, Add</i>	26.24	
06 17 53 00-0043	EA	38'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	419.01	139.44
			<i>For 3 In 12 Slope, Add</i>	4.20	
			<i>For 5 In 12 Slope, Add</i>	11.21	
			<i>For 6 In 12 Slope, Add</i>	21.02	
			<i>For 7 In 12 Slope, Add</i>	28.03	
			<i>For 8 In 12 Slope, Add</i>	33.64	
			<i>For 16" On Center Gable Studs, Add</i>	28.03	
06 17 53 00-0044	EA	40'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	442.65	145.24
			<i>For 3 In 12 Slope, Add</i>	4.57	
			<i>For 5 In 12 Slope, Add</i>	12.17	
			<i>For 6 In 12 Slope, Add</i>	22.83	
			<i>For 7 In 12 Slope, Add</i>	30.43	
			<i>For 8 In 12 Slope, Add</i>	36.52	
			<i>For 16" On Center Gable Studs, Add</i>	30.43	
06 17 53 00-0045	EA	42'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	486.45	151.06
			<i>For 3 In 12 Slope, Add</i>	5.53	
			<i>For 5 In 12 Slope, Add</i>	14.75	
			<i>For 6 In 12 Slope, Add</i>	27.65	
			<i>For 7 In 12 Slope, Add</i>	36.87	
			<i>For 8 In 12 Slope, Add</i>	44.24	
			<i>For 16" On Center Gable Studs, Add</i>	36.87	
06 17 53 00-0046	EA	44'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	529.38	156.86
			<i>For 3 In 12 Slope, Add</i>	6.47	
			<i>For 5 In 12 Slope, Add</i>	17.25	
			<i>For 6 In 12 Slope, Add</i>	32.35	
			<i>For 7 In 12 Slope, Add</i>	43.13	
			<i>For 8 In 12 Slope, Add</i>	51.76	
			<i>For 16" On Center Gable Studs, Add</i>	43.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0047 EA 46' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	547.95	162.67
For 3 In 12 Slope, Add	6.68	
For 5 In 12 Slope, Add	17.81	
For 6 In 12 Slope, Add	33.39	
For 7 In 12 Slope, Add	44.52	
For 8 In 12 Slope, Add	53.42	
For 16" On Center Gable Studs, Add	44.52	
06 17 53 00-0048 EA 48' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	574.91	168.48
For 3 In 12 Slope, Add	7.14	
For 5 In 12 Slope, Add	19.04	
For 6 In 12 Slope, Add	35.69	
For 7 In 12 Slope, Add	47.59	
For 8 In 12 Slope, Add	57.11	
For 16" On Center Gable Studs, Add	47.59	
06 17 53 00-0049 EA 50' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	621.62	174.29
For 3 In 12 Slope, Add	8.19	
For 5 In 12 Slope, Add	21.84	
For 6 In 12 Slope, Add	40.95	
For 7 In 12 Slope, Add	54.61	
For 8 In 12 Slope, Add	65.53	
For 16" On Center Gable Studs, Add	54.61	
06 17 53 00-0050 EA 52' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	636.88	180.10
For 3 In 12 Slope, Add	8.30	
For 5 In 12 Slope, Add	22.13	
For 6 In 12 Slope, Add	41.50	
For 7 In 12 Slope, Add	55.33	
For 8 In 12 Slope, Add	66.40	
For 16" On Center Gable Studs, Add	55.33	
06 17 53 00-0051 EA 54' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	656.05	183.01
For 3 In 12 Slope, Add	8.70	
For 5 In 12 Slope, Add	23.20	
For 6 In 12 Slope, Add	43.51	
For 7 In 12 Slope, Add	58.01	
For 8 In 12 Slope, Add	69.61	
For 16" On Center Gable Studs, Add	58.01	
06 17 53 00-0052 EA 56' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	681.92	188.81
For 3 In 12 Slope, Add	9.13	
For 5 In 12 Slope, Add	24.34	
For 6 In 12 Slope, Add	45.64	
For 7 In 12 Slope, Add	60.86	
For 8 In 12 Slope, Add	73.03	
For 16" On Center Gable Studs, Add	60.86	
06 17 53 00-0053 EA 58' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	704.62	191.72
For 3 In 12 Slope, Add	9.64	
For 5 In 12 Slope, Add	25.69	
For 6 In 12 Slope, Add	48.18	
For 7 In 12 Slope, Add	64.24	
For 8 In 12 Slope, Add	77.08	
For 16" On Center Gable Studs, Add	64.24	
06 17 53 00-0054 EA 60' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	719.14	194.63
For 3 In 12 Slope, Add	9.90	
For 5 In 12 Slope, Add	26.39	
For 6 In 12 Slope, Add	49.48	
For 7 In 12 Slope, Add	65.98	
For 8 In 12 Slope, Add	79.17	
For 16" On Center Gable Studs, Add	65.98	

06 18 Glued-Laminated Construction (06 10)

06 18 13 Glued-Laminated Beams (06 18)

06 18 13 00-0001 Glue Laminated Straight Beams (06 18 13)

Note: Based on southern yellow pine or hemlock lumber with waterproof glue and factor applied sealer.

06 18 13 00-0002 LF 3-1/2" x 6" Glue Laminated Straight Beam	7.23	2.54
06 18 13 00-0003 LF 3-1/2" x 7-1/2" Glue Laminated Straight Beam	9.01	3.18
06 18 13 00-0004 LF 3-1/2" x 9" Glue Laminated Straight Beam	10.82	3.82
06 18 13 00-0005 LF 3-1/2" x 9-1/2" Glue Laminated Straight Beam	11.43	4.04
06 18 13 00-0006 LF 3-1/2" x 10-1/2" Glue Laminated Straight Beam	12.63	4.46
06 18 13 00-0007 LF 3-1/2" x 12" Glue Laminated Straight Beam	14.43	5.10
06 18 13 00-0008 LF 3-1/2" x 13-1/2" Glue Laminated Straight Beam	16.24	5.73
06 18 13 00-0009 LF 3-1/2" x 14" Glue Laminated Straight Beam	16.84	5.94
06 18 13 00-0010 LF 3-1/2" x 15" Glue Laminated Straight Beam	18.05	6.37
06 18 13 00-0011 LF 3-1/2" x 16" Glue Laminated Straight Beam	19.24	6.80
06 18 13 00-0012 LF 3-1/2" x 16-1/2" Glue Laminated Straight Beam	19.85	7.01
06 18 13 00-0013 LF 3-1/2" x 18" Glue Laminated Straight Beam	21.65	7.65
06 18 13 00-0014 LF 3-1/2" x 19-1/2" Glue Laminated Straight Beam	23.46	8.29
06 18 13 00-0015 LF 3-1/2" x 21" Glue Laminated Straight Beam	25.25	8.92
06 18 13 00-0016 LF 3-1/2" x 22.5" Glue Laminated Straight Beam	27.08	9.56
06 18 13 00-0017 LF 5-1/2" x 6" Glue Laminated Straight Beam	11.35	4.01
06 18 13 00-0018 LF 5-1/2" x 7-1/2" Glue Laminated Straight Beam	14.19	5.01
06 18 13 00-0019 LF 5-1/2" x 9" Glue Laminated Straight Beam	17.02	6.01
06 18 13 00-0020 LF 5-1/2" x 9-1/2" Glue Laminated Straight Beam	17.95	6.35
06 18 13 00-0021 LF 5-1/2" x 10-1/2" Glue Laminated Straight Beam	19.85	7.01
06 18 13 00-0022 LF 5-1/2" x 12" Glue Laminated Straight Beam	22.68	8.01

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 18 Glued-Laminated Construction**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 18 13 00-0023	LF	5-1/2" x 13-1/2" Glue Laminated Straight Beam	25.52	9.01
06 18 13 00-0024	LF	5-1/2" x 14" Glue Laminated Straight Beam	26.47	9.35
06 18 13 00-0025	LF	5-1/2" x 15" Glue Laminated Straight Beam	28.35	10.01
06 18 13 00-0026	LF	5-1/2" x 16" Glue Laminated Straight Beam	30.24	10.68
06 18 13 00-0027	LF	5-1/2" x 16-1/2" Glue Laminated Straight Beam	31.19	11.02
06 18 13 00-0028	LF	5-1/2" x 18" Glue Laminated Straight Beam	34.03	12.02
06 18 13 00-0029	LF	5-1/2" x 19-1/2" Glue Laminated Straight Beam	36.87	13.02
06 18 13 00-0030	LF	5-1/2" x 21" Glue Laminated Straight Beam	39.70	14.02
06 18 13 00-0031	LF	5-1/2" x 22.5" Glue Laminated Straight Beam	42.54	15.02
06 18 13 00-0032	LF	5-1/2" x 24" Glue Laminated Straight Beam	45.37	16.02
06 18 13 00-0033	LF	6-3/4" x 9" Glue Laminated Straight Beam	20.89	7.37
06 18 13 00-0034	LF	6-3/4" x 9-1/2" Glue Laminated Straight Beam	22.03	7.79
06 18 13 00-0035	LF	6-3/4" x 10-1/2" Glue Laminated Straight Beam	24.36	8.61
06 18 13 00-0036	LF	6-3/4" x 12" Glue Laminated Straight Beam	27.85	9.83
06 18 13 00-0037	LF	6-3/4" x 13-1/2" Glue Laminated Straight Beam	31.32	11.06
06 18 13 00-0038	LF	6-3/4" x 14" Glue Laminated Straight Beam	32.47	11.48
06 18 13 00-0039	LF	6-3/4" x 15" Glue Laminated Straight Beam	34.79	12.30
06 18 13 00-0040	LF	6-3/4" x 16" Glue Laminated Straight Beam	37.12	13.11
06 18 13 00-0041	LF	6-3/4" x 16-1/2" Glue Laminated Straight Beam	38.27	13.51
06 18 13 00-0042	LF	6-3/4" x 18" Glue Laminated Straight Beam	41.75	14.75
06 18 13 00-0043	LF	6-3/4" x 19-1/2" Glue Laminated Straight Beam	45.23	15.98
06 18 13 00-0044	LF	6-3/4" x 21" Glue Laminated Straight Beam	48.71	17.20
06 18 13 00-0045	LF	6-3/4" x 22.5" Glue Laminated Straight Beam	52.19	18.43
06 18 13 00-0046	LF	6-3/4" x 24" Glue Laminated Straight Beam	55.67	19.67
06 18 13 00-0047	LF	8-3/4" x 9" Glue Laminated Straight Beam	27.08	9.56
06 18 13 00-0048	LF	8-3/4" x 9-1/2" Glue Laminated Straight Beam	28.57	10.08
06 18 13 00-0049	LF	8-3/4" x 10-1/2" Glue Laminated Straight Beam	31.57	11.15
06 18 13 00-0050	LF	8-3/4" x 12" Glue Laminated Straight Beam	36.08	12.75
06 18 13 00-0051	LF	8-3/4" x 13-1/2" Glue Laminated Straight Beam	40.60	14.33
06 18 13 00-0052	LF	8-3/4" x 14" Glue Laminated Straight Beam	42.10	14.87
06 18 13 00-0053	LF	8-3/4" x 15" Glue Laminated Straight Beam	45.10	15.93
06 18 13 00-0054	LF	8-3/4" x 16" Glue Laminated Straight Beam	48.11	17.00
06 18 13 00-0055	LF	8-3/4" x 16-1/2" Glue Laminated Straight Beam	49.63	17.52
06 18 13 00-0056	LF	8-3/4" x 18" Glue Laminated Straight Beam	54.13	19.11
06 18 13 00-0057	LF	8-3/4" x 19-1/2" Glue Laminated Straight Beam	58.64	20.70
06 18 13 00-0058	LF	8-3/4" x 21" Glue Laminated Straight Beam	63.15	22.31
06 18 13 00-0059	LF	8-3/4" x 22.5" Glue Laminated Straight Beam	67.67	23.90
06 18 13 00-0060	LF	8-3/4" x 24" Glue Laminated Straight Beam	72.17	25.49

06 18 13 00-0061 Glue Laminated Decking (06 18 13)

06 18 13 00-0062	LF	2" - 4" Thick x 4" Wide Glue Laminated Decking	3.76	1.66
06 18 13 00-0063	LF	2" - 4" Thick x 6" Wide Glue Laminated Decking	3.91	1.66
06 18 13 00-0064	LF	2" - 4" Thick x 8" Wide Glue Laminated Decking	4.04	1.57

06 18 16 Glued-Laminated Columns (06 18)**06 18 16 00-0001 Glue Laminated Structural Units** (06 18 16)

Note: Based on southern yellow pine or hemlock lumber in 2" laminations with waterproof glue and factor applied sealer.

06 18 16 00-0002	LF	3-1/4" x 7-1/2" Glue Laminated Purlin Or Column	10.72	3.40
06 18 16 00-0003	LF	3-1/4" x 9-1/4" Glue Laminated Purlin Or Column	12.07	3.78
06 18 16 00-0004	LF	5-1/4" x 9-1/4" Glue Laminated Purlin Or Column	23.03	8.06
06 18 16 00-0005	LF	5-1/4" x 13" Glue Laminated Purlin Or Column	25.16	8.46

06 20 Finish Carpentry (06)**06 22 Millwork** (06 20)**06 22 13 Standard Pattern Wood Trim** (06 22)**06 22 13 00-0001 Pine Moldings (All Dimensions Are Nominal)** (06 22 13)

06 22 13 00-0002	LF	1/4" x 1-1/4" Wood Lattice Strip	2.21	0.96
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.36	
06 22 13 00-0003	LF	1/4" x 1-5/8" Wood Lattice Strip	2.29	0.77
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.36	
06 22 13 00-0004	LF	1/4" x 2-1/2" Wood Lattice Strip	2.71	0.77
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.36	
06 22 13 00-0005	LF	1/4" x 3-1/2" Wood Lattice Strip	2.95	0.77
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.36	

06 22 13 00-0006 Ceilings (All Dimensions Are Nominal) (06 22 13)**06 22 13 00-0007 White Pine** (06 22 13 00-0006)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 22 13 00-0008 LF 9/16" x 3-5/8" White Pine Crown Or Bed Molding.....	9.21	3.38
For Birch, Add	1.58	
For Mahogany, Oak, Maple Or Walnut, Add	2.46	
For Poplar, Add	0.88	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.11	
For Stain Grade Material (No Finger Joints), Add	0.57	
06 22 13 00-0009 LF 11/16" x 4-5/8" White Pine Crown Or Bed Molding.....	12.06	4.05
For Birch, Add	2.26	
For Mahogany, Oak, Maple Or Walnut, Add	3.40	
For Poplar, Add	1.25	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.33	
For Stain Grade Material (No Finger Joints), Add	0.82	
06 22 13 00-0010 LF 3/4" x 3/4" White Pine Crown Or Bed Molding.....	5.17	2.31
For Birch, Add	0.47	
For Mahogany, Oak, Maple Or Walnut, Add	0.98	
For Poplar, Add	0.26	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.89	
For Stain Grade Material (No Finger Joints), Add	0.17	
06 22 13 00-0011 LF 9/16" x 1-5/8" White Pine Crown Or Bed Molding.....	5.64	2.31
For Birch, Add	0.64	
For Mahogany, Oak, Maple Or Walnut, Add	1.19	
For Poplar, Add	0.36	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.89	
For Stain Grade Material (No Finger Joints), Add	0.23	
06 22 13 00-0012 LF 9/16" x 2-1/4" White Pine Crown Or Bed Molding.....	7.29	2.90
For Birch, Add	0.89	
For Mahogany, Oak, Maple Or Walnut, Add	1.59	
For Poplar, Add	0.49	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.11	
For Stain Grade Material (No Finger Joints), Add	0.32	
06 22 13 00-0013 LF 3/4" x 3-1/2" White Pine Crown Or Bed Molding.....	8.08	2.90
For Birch, Add	1.17	
For Mahogany, Oak, Maple Or Walnut, Add	1.95	
For Poplar, Add	0.65	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.11	
For Stain Grade Material (No Finger Joints), Add	0.42	
06 22 13 00-0014 LF 5/8" x 4-1/4" White Pine Crown Or Bed Molding.....	9.95	3.47
For Birch, Add	1.50	
For Mahogany, Oak, Maple Or Walnut, Add	2.45	
For Poplar, Add	0.83	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.33	
For Stain Grade Material (No Finger Joints), Add	0.54	
06 22 13 00-0015 LF 1" x 2" White Pine Dentil Molding	5.29	2.70
For Birch, Add	0.51	
For Mahogany, Oak, Maple Or Walnut, Add	1.03	
For Poplar, Add	0.29	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.89	
For Stain Grade Material (No Finger Joints), Add	0.19	
06 22 13 00-0016 LF 9/16" x 1-3/4" White Pine Cove Molding.....	4.31	2.03
For Birch, Add	0.51	
For Mahogany, Oak, Maple Or Walnut, Add	0.92	
For Poplar, Add	0.28	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.67	
For Stain Grade Material (No Finger Joints), Add	0.18	
06 22 13 00-0017 LF 11/16" x 2-3/4" White Pine Cove Molding.....	5.81	2.03
For Birch, Add	1.05	
For Mahogany, Oak, Maple Or Walnut, Add	1.60	
For Poplar, Add	0.58	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.67	
For Stain Grade Material (No Finger Joints), Add	0.38	
06 22 13 00-0018 LF 3/8" x 3/8" White Pine Cove Molding	2.68	1.16
For Birch, Add	0.24	
For Mahogany, Oak, Maple Or Walnut, Add	0.50	
For Poplar, Add	0.13	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.46	
For Stain Grade Material (No Finger Joints), Add	0.09	
06 22 13 00-0019 LF 1/2" x 1/2" White Pine Cove Molding	2.84	1.16
For Birch, Add	0.30	
For Mahogany, Oak, Maple Or Walnut, Add	0.57	
For Poplar, Add	0.17	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.46	
For Stain Grade Material (No Finger Joints), Add	0.11	
06 22 13 00-0020 LF 5/8" x 5/8" White Pine Cove Molding	3.67	1.45
For Birch, Add	0.45	
For Mahogany, Oak, Maple Or Walnut, Add	0.81	
For Poplar, Add	0.25	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.55	
For Stain Grade Material (No Finger Joints), Add	0.16	
06 22 13 00-0021 LF 3/4" x 3/4" White Pine Cove Molding	3.67	1.45
For Birch, Add	0.45	
For Mahogany, Oak, Maple Or Walnut, Add	0.81	
For Poplar, Add	0.25	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.55	
For Stain Grade Material (No Finger Joints), Add	0.16	

06 Wood, Plastics, and Composites**06 20 Finish Carpentry****06 22 Millwork**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 22 13 00-0022	LF		15/16" x 15/16" White Pine Cove Molding	4.43	1.45
			<i>For Birch, Add</i>	0.73	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.15	
			<i>For Poplar, Add</i>	0.40	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.55	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.26	
06 22 13 00-0023	LF		7-1/2" Wide Mullion Covers.....	23.29	1.74
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.79	
06 22 13 00-0024	LF		Three Piece Mullion Trim, 2 Cove Moldings	29.07	1.74
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.79	
06 22 13 00-0025			Cedar Trim (06 22 13 00-0006)		
06 22 13 00-0026	LF		2" x 4" Cedar Ceiling Trim.....	9.15	4.86
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.61	
06 22 13 00-0027			Oak Trim (06 22 13 00-0006)		
06 22 13 00-0028	LF		1" x 8" Clear Oak Ceiling Trim	9.15	4.46
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.49	
06 22 13 00-0029			Closet Poles (06 22 13)		
06 22 13 00-0030	LF		1-1/8" Diameter Pine Closet Poles.....	6.79	2.51
06 22 13 00-0031	LF		1-5/8" Diameter Pine Closet Poles.....	8.84	2.51
06 22 13 00-0032	LF		2" Diameter Pine Closet Poles.....	11.16	2.79
06 25			Prefinished Paneling (06 25)		
06 25 16			Prefinished Plywood Paneling (06 25)		
06 25 16 00-0001			Hardboard Panels (06 25 16) Note: Excludes furring and trim.		
06 25 16 00-0002			Tempered Hardboard Panels (06 25 16 00-0001)		
06 25 16 00-0003	SF		1/4" Tempered Hardboard Panels	4.54	1.75
			<i>For Waterproof Glue, Add</i>	0.04	
			<i>For Ceiling Installation, Add</i>	1.19	
			<i>For Glue Laminated Installation, Add</i>	0.23	
			<i>For 1/8" Thick Paneling, Deduct</i>	-0.37	
			<i>For 1/2" Thick Paneling, Add</i>	0.78	
			<i>For 5/8" Thick Paneling, Add</i>	0.90	
			<i>For 3/4" Thick Paneling, Add</i>	1.06	
			<i>For Fire Retardant Treatment (Class I), Add</i>	0.45	
06 25 16 00-0004	SF		1/4" Plastic Faced Tempered Hardboard Panels	5.18	2.14
			<i>For Waterproof Glue, Add</i>	0.04	
			<i>For Ceiling Installation, Add</i>	1.40	
			<i>For Glue Laminated Installation, Add</i>	0.26	
			<i>For 1/8" Thick Paneling, Deduct</i>	-0.41	
			<i>For 1/2" Thick Paneling, Add</i>	0.84	
			<i>For 5/8" Thick Paneling, Add</i>	0.95	
			<i>For 3/4" Thick Paneling, Add</i>	1.09	
			<i>For Fire Retardant Treatment (Class I), Add</i>	0.41	
06 25 16 00-0005	SF		1/4" Pegboard Tempered Hardboard Panels	4.92	1.75
			<i>For Waterproof Glue, Add</i>	0.07	
			<i>For Ceiling Installation, Add</i>	1.19	
			<i>For Glue Laminated Installation, Add</i>	0.25	
			<i>For 1/8" Thick Paneling, Deduct</i>	-0.44	
			<i>For 1/2" Thick Paneling, Add</i>	0.99	
			<i>For 5/8" Thick Paneling, Add</i>	1.19	
			<i>For 3/4" Thick Paneling, Add</i>	1.45	
			<i>For Fire Retardant Treatment (Class I), Add</i>	0.75	
06 25 16 00-0006	SF		1/4" Plastic Faced Pegboard Tempered Hardboard	5.30	2.14
			<i>For Waterproof Glue, Add</i>	0.04	
			<i>For Ceiling Installation, Add</i>	1.40	
			<i>For Glue Laminated Installation, Add</i>	0.27	
			<i>For 1/8" Thick Paneling, Deduct</i>	-0.43	
			<i>For 1/2" Thick Paneling, Add</i>	0.90	
			<i>For 5/8" Thick Paneling, Add</i>	1.04	
			<i>For 3/4" Thick Paneling, Add</i>	1.21	
			<i>For Fire Retardant Treatment (Class I), Add</i>	0.51	
06 25 16 00-0007			Untempered Hardboard Panels (06 25 16 00-0001)		
06 25 16 00-0008	SF		1/4" Untempered Hardboard Panels	4.42	1.75
			<i>For Waterproof Glue, Add</i>	0.03	
			<i>For Glue Laminated Installation, Add</i>	0.22	
			<i>For Lumber Core, Add</i>	0.05	
			<i>For Fire Retardant Treatment (Class I), Add</i>	0.36	

06 40 Architectural Woodwork (06)



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 41 Architectural Wood Casework (06 40)

06 41 13 Wood-Veneer-Faced Architectural Cabinets (06 41)

06 41 13 00-0001 Wood-Veneer Faced Cabinets (06 41 13)

Note: AWI Custom Grade, good quality mill-made modular units, prefinished with solid 3/4" hardwood face frames, 3/4" hardwood door frames and drawer fronts, hardwood veneer on raised door panels (front and back), glued mortise, dowel, and dado joint construction, full backs (1/8" vinyl laminated plywood), vinyl laminated cabinet interiors, vinyl laminated composition drawer bodies with nylon and metal guides. Includes self-closing hinges, door and drawer pulls, mounting hardware and adjustable shelves. Use appropriate modifiers for the following grades: Economy Grade - Cabinets with melamine laminated to particleboard, in textured colors or wood grain print finish; Premium Grade - Cabinets with solid hardwood fronts and frames, mitered corners and solid wood drawer bodies with steel guides and ball bearings; Laboratory Grade - Cabinets with chemical resistant finish on premium grade.

06 41 13 00-0002 Base Cabinets (06 41 13 00-0001)

Note: Excludes tops or finish.

06 41 13 00-0003 Base Cabinets, Single Drawer And Single Door (06 41 13 00-0002)

06 41 13 00-0004 34-1/2" High x 24" Deep, Single Drawer And Single Door, Base Cabinets (06 41 13 00-0003)

06 41 13 00-0005	EA	Up To 15" Width, 34-1/2" High x 24" Deep Base Cabinet.....	275.39	55.00
		Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
		For ADA Cabinet Units (Includes All ADA Hardware), Add	39.39	
		For 3 Drawer Unit, Add	78.78	
		For 4 Drawer Unit, Add	98.48	
		For Plastic Laminate On Particle Board, Deduct	-39.39	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	-19.70	
		For Economy Grade, Deduct	-78.78	
		For Premium Grade, Add	98.48	
		For Laboratory Grade, Add	128.02	
		For Unfinished (Natural, Wood), Deduct	-29.54	
06 41 13 00-0006	EA	>15" To 18" Width, 34-1/2" High x 24" Deep Base Cabinet.....	306.73	67.55
		Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
		For ADA Cabinet Units (Includes All ADA Hardware), Add	42.11	
		For 3 Drawer Unit, Add	84.22	
		For 4 Drawer Unit, Add	105.27	
		For Plastic Laminate On Particle Board, Deduct	-42.11	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	-21.05	
		For Economy Grade, Deduct	-84.22	
		For Premium Grade, Add	105.27	
		For Laboratory Grade, Add	136.85	
		For Unfinished (Natural, Wood), Deduct	-31.58	
06 41 13 00-0007	EA	>18" To 21" Width, 34-1/2" High x 24" Deep Base Cabinet.....	330.74	77.20
		Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
		For ADA Cabinet Units (Includes All ADA Hardware), Add	44.15	
		For 3 Drawer Unit, Add	88.29	
		For 4 Drawer Unit, Add	110.37	
		For Plastic Laminate On Particle Board, Deduct	-44.15	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	-22.07	
		For Economy Grade, Deduct	-88.29	
		For Premium Grade, Add	110.37	
		For Laboratory Grade, Add	143.47	
		For Unfinished (Natural, Wood), Deduct	-33.11	
06 41 13 00-0008	EA	>21" To 24" Width, 34-1/2" High x 24" Deep Base Cabinet.....	379.39	89.75
		Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
		For ADA Cabinet Units (Includes All ADA Hardware), Add	50.31	
		For 3 Drawer Unit, Add	100.62	
		For 4 Drawer Unit, Add	125.77	
		For Plastic Laminate On Particle Board, Deduct	-50.31	
		Note: (Plastic Laminate On Hardwood For Doors)		
		For Premium Grade Plywood With Plastic Laminate, Deduct	-25.15	
		For Economy Grade, Deduct	-100.62	
		For Premium Grade, Add	125.77	
		For Laboratory Grade, Add	163.50	
		For Unfinished (Natural, Wood), Deduct	-37.73	

06 41 13 00-0009 30" High x 24" Deep, Single Drawer And Single Door, Base Cabinets (06 41 13 00-0003)

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41	13 00-0010	EA	Up To 15" Width, 30" High x 24" Deep Base Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> 33.48 <i>For 3 Drawer Unit, Add</i> 66.96 <i>For 4 Drawer Unit, Add</i> 83.71 <i>For Plastic Laminate On Particle Board, Deduct</i> -33.48 Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -16.74 <i>For Economy Grade, Deduct</i> -66.96 <i>For Premium Grade, Add</i> 83.71 <i>For Laboratory Grade, Add</i> 108.82 <i>For Unfinished (Natural, Wood), Deduct</i> -25.11	245.84	55.00
06 41	13 00-0011	EA	>15" To 18" Width, 30" High x 24" Deep Base Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> 35.79 <i>For 3 Drawer Unit, Add</i> 71.58 <i>For 4 Drawer Unit, Add</i> 89.48 <i>For Plastic Laminate On Particle Board, Deduct</i> -35.79 Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -17.90 <i>For Economy Grade, Deduct</i> -71.58 <i>For Premium Grade, Add</i> 89.48 <i>For Laboratory Grade, Add</i> 116.32 <i>For Unfinished (Natural, Wood), Deduct</i> -26.84	275.15	67.55
06 41	13 00-0012	EA	>18" To 21" Width, 30" High x 24" Deep Base Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> 37.52 <i>For 3 Drawer Unit, Add</i> 75.05 <i>For 4 Drawer Unit, Add</i> 93.81 <i>For Plastic Laminate On Particle Board, Deduct</i> -37.52 Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -18.76 <i>For Economy Grade, Deduct</i> -75.05 <i>For Premium Grade, Add</i> 93.81 <i>For Laboratory Grade, Add</i> 121.95 <i>For Unfinished (Natural, Wood), Deduct</i> -28.14	297.63	77.20
06 41	13 00-0013	EA	>21" To 24" Width, 30" High x 24" Deep Base Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> 42.76 <i>For 3 Drawer Unit, Add</i> 85.52 <i>For 4 Drawer Unit, Add</i> 106.91 <i>For Plastic Laminate On Particle Board, Deduct</i> -42.76 Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -21.38 <i>For Economy Grade, Deduct</i> -85.52 <i>For Premium Grade, Add</i> 106.91 <i>For Laboratory Grade, Add</i> 138.98 <i>For Unfinished (Natural, Wood), Deduct</i> -32.07	341.66	88.78
06 41	13 00-0014		34-1/2" High x 24" Deep, Single Drawer And Single Door, Base Cabinets, Custom Built In Place <small>(06 41 13 00-0003)</small>		
06 41	13 00-0015	LF	Up To 15" Width, 34-1/2" High x 24" Deep Built In Place Base Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> 31.51 <i>For 3 Drawer Unit, Add</i> 63.02 <i>For 4 Drawer Unit, Add</i> 78.78 <i>For Plastic Laminate On Particle Board, Deduct</i> -31.51 Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -15.76 <i>For Economy Grade, Deduct</i> -63.02 <i>For Premium Grade, Add</i> 78.78 <i>For Laboratory Grade, Add</i> 102.41 <i>For Unfinished (Natural, Wood), Deduct</i> -23.63	255.99	68.52
06 41	13 00-0016	LF	>15" To 18" Width, 34-1/2" High x 24" Deep Built In Place Base Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> 28.07 <i>For 3 Drawer Unit, Add</i> 56.14 <i>For 4 Drawer Unit, Add</i> 70.18 <i>For Plastic Laminate On Particle Board, Deduct</i> -28.07 Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -14.04 <i>For Economy Grade, Deduct</i> -56.14 <i>For Premium Grade, Add</i> 70.18 <i>For Laboratory Grade, Add</i> 91.23 <i>For Unfinished (Natural, Wood), Deduct</i> -21.05	235.90	66.59



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0017 LF >18" To 24" Width, 34-1/2" High x 24" Deep Built In Place Base Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For 3 Drawer Unit, Add</i> <i>For 4 Drawer Unit, Add</i> <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	218.77 25.23 50.45 63.07 -25.23 -12.61 -50.45 63.07 81.98 -18.92	64.66
06 41 13 00-0018 LF >24" To 30" Width, 34-1/2" High x 24" Deep Built In Place Base Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For 3 Drawer Unit, Add</i> <i>For 4 Drawer Unit, Add</i> <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	202.41 22.73 45.45 56.82 -22.73 -11.36 -45.45 56.82 73.86 -17.04	61.76
06 41 13 00-0019 Base Cabinets, Double Drawer And Double Door <small>(06 41 13 00-0002)</small>		
06 41 13 00-0020 34-1/2" High x 24" Deep, Double Drawer And Double Door Base Cabinet <small>(06 41 13 00-0019)</small>		
06 41 13 00-0021 EA 24" To 27" Wide, 34-1/2" High x 24" Deep 2-Drawer/2-Door Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i> <i>For 3 Drawer Unit, Add</i> <i>For Sink Base With Sink Front (No Drawer), Deduct</i>	444.21 59.31 -59.31 -29.66 -118.63 148.29 192.77 -44.49 29.66 -44.49	73.83
06 41 13 00-0022 EA >27"-30" Wide, 34-1/2" High x 24" Deep 2-Drawer/2-Door Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i> <i>For 3 Drawer Unit, Add</i> <i>For Sink Base With Sink Front (No Drawer), Deduct</i>	473.94 63.14 -63.14 -31.57 -126.27 157.84 205.19 -47.35 31.57 -47.35	79.13
06 41 13 00-0023 EA >30"-33" Wide, 34-1/2" High x 24" Deep 2-Drawer/2-Door Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i> <i>For 3 Drawer Unit, Add</i> <i>For Sink Base With Sink Front (No Drawer), Deduct</i>	492.64 66.10 -66.10 -33.05 -132.21 165.26 214.84 -49.58 33.05 -49.58	81.06
06 41 13 00-0024 EA >33"-36" Wide, 34-1/2" High x 24" Deep 2-Drawer/2-Door Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i> <i>For 3 Drawer Unit, Add</i> <i>For Sink Base With Sink Front (No Drawer), Deduct</i>	505.56 67.92 -67.92 -33.96 -135.83 169.79 220.73 -50.94 33.96 -50.94	82.99

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0025	EA		>36"-42" Wide, 34-1/2" High x 24" Deep 2-Drawer/2-Door Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i> <i>For 3 Drawer Unit, Add</i> <i>For Sink Base With Sink Front (No Drawer), Deduct</i>	541.71 72.44 -72.44 -36.22 -144.89 181.11 235.44 -54.33 36.22 -54.33	89.75
06 41 13 00-0026	EA		>42"-48" Wide, 34-1/2" High x 24" Deep 2-Drawer/2-Door Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i> <i>For 3 Drawer Unit, Add</i> <i>For Sink Base With Sink Front (No Drawer), Deduct</i>	581.87 75.84 -75.84 -37.92 -151.68 189.60 246.48 -56.88 37.92 -56.88	101.33
06 41 13 00-0027			30" High x 24" Deep, Double Drawer And Double Door Base Cabinet (06 41 13 00-0019)		
06 41 13 00-0028	EA		24" Wide, 30" High x 24" Deep 2-Drawer/2-Door Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i> <i>For 3 Drawer Unit, Add</i> <i>For Sink Base With Sink Front (No Drawer), Deduct</i>	318.32 34.96 -34.96 -17.48 -69.92 87.41 113.63 -26.22 17.48 -26.22	99.97
06 41 13 00-0029	EA		30" Wide, 30" High x 24" Deep 2-Drawer/2-Door Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i> <i>For 3 Drawer Unit, Add</i> <i>For Sink Base With Sink Front (No Drawer), Deduct</i>	439.24 56.21 -56.21 -28.10 -112.42 140.52 182.68 -42.16 28.10 -42.16	111.45
06 41 13 00-0030	EA		36" Wide, 30" High x 24" Deep 2-Drawer/2-Door Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i> <i>For 3 Drawer Unit, Add</i> <i>For Sink Base With Sink Front (No Drawer), Deduct</i>	503.22 67.37 -67.37 -33.68 -134.74 168.42 218.95 -50.53 33.68 -50.53	115.51
06 41 13 00-0031	EA		42" Wide, 30" High x 24" Deep 2-Drawer/2-Door Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i> <i>For 3 Drawer Unit, Add</i> <i>For Sink Base With Sink Front (No Drawer), Deduct</i>	595.86 83.27 -83.27 -41.64 -166.54 208.18 270.63 -62.45 41.64 -62.45	125.64



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0032 EA 48" Wide, 30" High x 24" Deep 2-Drawer/2-Door Cabinet 675.84 141.85 Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> 94.64 <i>For Plastic Laminate On Particle Board, Deduct</i> -94.64 Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -47.32 <i>For Economy Grade, Deduct</i> -189.28 <i>For Premium Grade, Add</i> 236.60 <i>For Laboratory Grade, Add</i> 307.57 <i>For Unfinished (Natural, Wood), Deduct</i> -70.98 <i>For 3 Drawer Unit, Add</i> 47.32 <i>For Sink Base With Sink Front (No Drawer), Deduct</i> -70.98		
06 41 13 00-0033 34-1/2" High x 24" Deep, Double Drawer And Double Door Base Cabinet, Custom Built In Place (06 41 13 00-0019)		
06 41 13 00-0034 LF 24" To 30" Wide, 34-1/2" High x 24" Deep Built In Place 2-Drawer/2-Door Cabinet..... 220.84 66.59 Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> 25.25 <i>For Plastic Laminate On Particle Board, Deduct</i> -25.25 Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -12.63 <i>For Economy Grade, Deduct</i> -50.51 <i>For Premium Grade, Add</i> 63.14 <i>For Laboratory Grade, Add</i> 82.08 <i>For Unfinished (Natural, Wood), Deduct</i> -18.94 <i>For 3 Drawer Unit, Add</i> 12.63 <i>For Sink Base With Sink Front (No Drawer), Deduct</i> -18.94		
06 41 13 00-0035 LF >30" To 36" Wide, 34-1/2" High x 24" Deep Built In Place 2-Drawer/2-Door Cabinet..... 200.17 60.80 Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> 22.66 <i>For Plastic Laminate On Particle Board, Deduct</i> -22.66 Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -11.33 <i>For Economy Grade, Deduct</i> -45.33 <i>For Premium Grade, Add</i> 56.66 <i>For Laboratory Grade, Add</i> 73.66 <i>For Unfinished (Natural, Wood), Deduct</i> -17.00 <i>For 3 Drawer Unit, Add</i> 11.33 <i>For Sink Base With Sink Front (No Drawer), Deduct</i> -17.00		
06 41 13 00-0036 LF >36" To 42" Wide, 34-1/2" High x 24" Deep Built In Place 2-Drawer/2-Door Cabinet..... 184.57 56.93 Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> 20.70 <i>For Plastic Laminate On Particle Board, Deduct</i> -20.70 Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -10.35 <i>For Economy Grade, Deduct</i> -41.40 <i>For Premium Grade, Add</i> 51.76 <i>For Laboratory Grade, Add</i> 67.28 <i>For Unfinished (Natural, Wood), Deduct</i> -15.53 <i>For 3 Drawer Unit, Add</i> 10.35 <i>For Sink Base With Sink Front (No Drawer), Deduct</i> -15.53		
06 41 13 00-0037 LF >42" To 48" Wide, 34-1/2" High x 24" Deep Built In Place 2-Drawer/2-Door Cabinet..... 172.03 54.04 Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> 18.97 <i>For Plastic Laminate On Particle Board, Deduct</i> -18.97 Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -9.48 <i>For Economy Grade, Deduct</i> -37.93 <i>For Premium Grade, Add</i> 47.42 <i>For Laboratory Grade, Add</i> 61.64 <i>For Unfinished (Natural, Wood), Deduct</i> -14.22 <i>For 3 Drawer Unit, Add</i> 9.48 <i>For Sink Base With Sink Front (No Drawer), Deduct</i> -14.22		
06 41 13 00-0038 Vanity Bases (06 41 13 00-0002)		
06 41 13 00-0039 EA 30" High x 21" Deep x 24" Wide Vanity Bases, 2 Door..... 353.55 71.80 Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> 42.01 <i>For Plastic Laminate On Particle Board, Deduct</i> -42.01 Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -21.00 <i>For Economy Grade, Deduct</i> -84.02 <i>For Premium Grade, Add</i> 105.02 <i>For Laboratory Grade, Add</i> 136.53 <i>For Unfinished (Natural, Wood), Deduct</i> -31.51		

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0040	EA		30" High x 21" Deep x 30" Wide Vanity Bases, 2 Door.....	399.68	79.90
			Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
			For ADA Cabinet Units (Includes All ADA Hardware), Add	48.30	
			For Plastic Laminate On Particle Board, Deduct	-48.30	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-24.15	
			For Economy Grade, Deduct	-96.59	
			For Premium Grade, Add	120.74	
			For Laboratory Grade, Add	156.96	
			For Unfinished (Natural, Wood), Deduct	-36.22	
06 41 13 00-0041	EA		30" High x 21" Deep x 36" Wide Vanity Bases, 2 Door.....	489.61	83.18
			Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
			For ADA Cabinet Units (Includes All ADA Hardware), Add	64.65	
			For Plastic Laminate On Particle Board, Deduct	-64.65	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-32.32	
			For Economy Grade, Deduct	-129.29	
			For Premium Grade, Add	161.62	
			For Laboratory Grade, Add	210.10	
			For Unfinished (Natural, Wood), Deduct	-48.48	
06 41 13 00-0042	EA		30" High x 21" Deep x 48" Wide Vanity Bases, 2 Door.....	586.16	101.33
			Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
			For ADA Cabinet Units (Includes All ADA Hardware), Add	76.72	
			For Plastic Laminate On Particle Board, Deduct	-76.72	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-38.36	
			For Economy Grade, Deduct	-153.44	
			For Premium Grade, Add	191.80	
			For Laboratory Grade, Add	249.34	
			For Unfinished (Natural, Wood), Deduct	-57.54	
06 41 13 00-0043			Wall Cabinets (06 41 13 00-0001)		
06 41 13 00-0044			36" High x 13" Deep, Wall Cabinets (06 41 13 00-0043)		
06 41 13 00-0045			Single Door Type Units (06 41 13 00-0044)		
06 41 13 00-0046	EA		Up To 15" Wide, 36" High x 13" Deep Single Door Wall Cabinet.....	239.83	69.48
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
			For Plastic Laminate On Particle Board, Deduct	-30.60	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-15.30	
			For Economy Grade, Deduct	-61.20	
			For Premium Grade, Add	76.50	
			For Laboratory Grade, Add	99.44	
			For Unfinished (Natural, Wood), Deduct	-22.95	
06 41 13 00-0047	EA		>15" To 18" Wide, 36" High x 13" Deep Single Door Wall Cabinet.....	267.04	70.93
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
			For Plastic Laminate On Particle Board, Deduct	-35.67	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-17.83	
			For Economy Grade, Deduct	-71.34	
			For Premium Grade, Add	89.17	
			For Laboratory Grade, Add	115.92	
			For Unfinished (Natural, Wood), Deduct	-26.75	
06 41 13 00-0048	EA		>18" To 24" Wide, 36" High x 13" Deep Single Door Wall Cabinet.....	295.60	73.34
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
			For Plastic Laminate On Particle Board, Deduct	-40.75	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-20.38	
			For Economy Grade, Deduct	-81.50	
			For Premium Grade, Add	101.88	
			For Laboratory Grade, Add	132.44	
			For Unfinished (Natural, Wood), Deduct	-30.56	
06 41 13 00-0049	EA		>24" To 30" Wide, 36" High x 13" Deep Single Door Wall Cabinet.....	344.13	79.13
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
			For Plastic Laminate On Particle Board, Deduct	-48.90	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-24.45	
			For Economy Grade, Deduct	-97.80	
			For Premium Grade, Add	122.25	
			For Laboratory Grade, Add	158.93	
			For Unfinished (Natural, Wood), Deduct	-36.68	
06 41 13 00-0050			Double Door Type Units (06 41 13 00-0044)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0051 EA Up To 24" Wide, 36" High x 13" Deep Double Door Wall Cabinet.....	306.50	81.06
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
For Plastic Laminate On Particle Board, Deduct	-40.81	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-20.41	
For Economy Grade, Deduct	-81.62	
For Premium Grade, Add	102.03	
For Laboratory Grade, Add	132.63	
For Unfinished (Natural, Wood), Deduct	-30.61	
06 41 13 00-0052 EA >24" To 30" Wide, 36" High x 13" Deep Double Door Wall Cabinet.....	357.68	88.78
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
For Plastic Laminate On Particle Board, Deduct	-49.44	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-24.72	
For Economy Grade, Deduct	-98.88	
For Premium Grade, Add	123.61	
For Laboratory Grade, Add	160.69	
For Unfinished (Natural, Wood), Deduct	-37.08	
06 41 13 00-0053 EA >30" To 36" Wide, 36" High x 13" Deep Double Door Wall Cabinet.....	395.78	90.71
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
For Plastic Laminate On Particle Board, Deduct	-56.51	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-28.25	
For Economy Grade, Deduct	-113.01	
For Premium Grade, Add	141.27	
For Laboratory Grade, Add	183.64	
For Unfinished (Natural, Wood), Deduct	-42.38	
06 41 13 00-0054 EA >36" To 42" Wide, 36" High x 13" Deep Double Door Wall Cabinet.....	427.53	94.09
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
For Plastic Laminate On Particle Board, Deduct	-61.94	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-30.97	
For Economy Grade, Deduct	-123.88	
For Premium Grade, Add	154.85	
For Laboratory Grade, Add	201.31	
For Unfinished (Natural, Wood), Deduct	-46.46	
06 41 13 00-0055 EA >42" To 48" Wide, 36" High x 13" Deep Double Door Wall Cabinet.....	472.81	98.43
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
For Plastic Laminate On Particle Board, Deduct	-69.82	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-34.91	
For Economy Grade, Deduct	-139.64	
For Premium Grade, Add	174.55	
For Laboratory Grade, Add	226.91	
For Unfinished (Natural, Wood), Deduct	-52.36	
06 41 13 00-0056 30" High x 13" Deep, Wall Cabinets (06 41 13 00-0043)		
06 41 13 00-0057 Single Door Type Units (06 41 13 00-0056)		
06 41 13 00-0058 EA Up To 12" Wide, 30" High x 13" Deep Single Door Wall Cabinet.....	189.40	54.88
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
For Plastic Laminate On Particle Board, Deduct	-24.00	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-12.00	
For Economy Grade, Deduct	-47.99	
For Premium Grade, Add	59.99	
For Laboratory Grade, Add	77.99	
For Unfinished (Natural, Wood), Deduct	-18.00	
06 41 13 00-0059 EA >12" To 15" Wide, 30" High x 13" Deep Single Door Wall Cabinet.....	212.73	57.25
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
For Plastic Laminate On Particle Board, Deduct	-28.07	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-14.04	
For Economy Grade, Deduct	-56.14	
For Premium Grade, Add	70.18	
For Laboratory Grade, Add	91.23	
For Unfinished (Natural, Wood), Deduct	-21.05	
06 41 13 00-0060 EA >15" To 18" Wide, 30" High x 13" Deep Single Door Wall Cabinet.....	229.01	58.46
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
For Plastic Laminate On Particle Board, Deduct	-31.01	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-15.51	
For Economy Grade, Deduct	-62.03	
For Premium Grade, Add	77.54	
For Laboratory Grade, Add	100.80	
For Unfinished (Natural, Wood), Deduct	-23.26	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0061 EA >18" To 24" Wide, 30" High x 13" Deep Single Door Wall Cabinet.....246.33 Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> -33.96 <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -16.98 <i>For Economy Grade, Deduct</i> -67.92 <i>For Premium Grade, Add</i> 84.90 <i>For Laboratory Grade, Add</i> 110.36 <i>For Unfinished (Natural, Wood), Deduct</i> -25.47		60.53
06 41 13 00-0062 Double Door Type Units <small>(06 41 13 00-0056)</small>		
06 41 13 00-0063 EA Up To 27" Wide, 30" High x 13" Deep Double Door Wall Cabinet .....269.46 Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> -38.26 <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -19.13 <i>For Economy Grade, Deduct</i> -76.52 <i>For Premium Grade, Add</i> 95.65 <i>For Laboratory Grade, Add</i> 124.35 <i>For Unfinished (Natural, Wood), Deduct</i> -28.70		61.82
06 41 13 00-0064 EA >27" To 30" Wide, 30" High x 13" Deep Double Door Wall Cabinet.....286.11 Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> -41.20 <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -20.60 <i>For Economy Grade, Deduct</i> -82.40 <i>For Premium Grade, Add</i> 103.01 <i>For Laboratory Grade, Add</i> 133.91 <i>For Unfinished (Natural, Wood), Deduct</i> -30.90		63.35
06 41 13 00-0065 EA >30" To 36" Wide, 30" High x 13" Deep Double Door Wall Cabinet.....317.47 Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> -47.09 <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -23.54 <i>For Economy Grade, Deduct</i> -94.18 <i>For Premium Grade, Add</i> 117.72 <i>For Laboratory Grade, Add</i> 153.04 <i>For Unfinished (Natural, Wood), Deduct</i> -35.32		64.88
06 41 13 00-0066 EA >36" To 42" Wide, 30" High x 13" Deep Double Door Wall Cabinet.....342.03 Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> -51.62 <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -25.81 <i>For Economy Grade, Deduct</i> -103.23 <i>For Premium Grade, Add</i> 129.04 <i>For Laboratory Grade, Add</i> 167.75 <i>For Unfinished (Natural, Wood), Deduct</i> -38.71		66.40
06 41 13 00-0067 EA >42" To 48" Wide, 30" High x 13" Deep Double Door Wall Cabinet.....375.83 Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> -58.18 <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -29.09 <i>For Economy Grade, Deduct</i> -116.36 <i>For Premium Grade, Add</i> 145.46 <i>For Laboratory Grade, Add</i> 189.09 <i>For Unfinished (Natural, Wood), Deduct</i> -43.64		67.16
06 41 13 00-0068 24" High x 13" Deep, Wall Cabinets <small>(06 41 13 00-0043)</small>		
06 41 13 00-0069 Double Door Type Units <small>(06 41 13 00-0068)</small>		
06 41 13 00-0070 EA Up To 24" Wide, 24" High x 13" Deep Double Door Wall Cabinet .....235.50 Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> -34.41 <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -17.21 <i>For Economy Grade, Deduct</i> -68.82 <i>For Premium Grade, Add</i> 86.03 <i>For Laboratory Grade, Add</i> 111.83 <i>For Unfinished (Natural, Wood), Deduct</i> -25.81		50.18



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0071 EA >24" To 30" Wide, 24" High x 13" Deep Double Door Wall Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	251.09 -36.90 -18.45 -73.80 92.25 119.93 -27.68	52.59
06 41 13 00-0072 EA >30" To 36" Wide, 24" High x 13" Deep Double Door Wall Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	272.19 -40.75 -20.38 -81.50 101.88 132.44 -30.56	54.14
06 41 13 00-0073 EA >36" To 42" Wide, 24" High x 13" Deep Double Door Wall Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	294.73 -45.05 -22.53 -90.10 112.63 146.41 -33.79	55.00
06 41 13 00-0074 15" High x 13" Deep, Wall Cabinets <small>(06 41 13 00-0043)</small>		
06 41 13 00-0075 Double Door Type Units <small>(06 41 13 00-0074)</small>		
06 41 13 00-0076 EA Up To 24" Wide, 15" High x 13" Deep Double Door Wall Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	208.57 -30.56 -15.28 -61.12 76.41 99.33 -22.92	44.10
06 41 13 00-0077 EA >24" To 30" Wide, 15" High x 13" Deep Double Door Wall Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	220.56 -32.15 -16.07 -64.29 80.37 104.47 -24.11	47.28
06 41 13 00-0078 EA >30" To 36" Wide, 15" High x 13" Deep Double Door Wall Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	243.89 -35.09 -17.55 -70.18 87.73 114.04 -26.32	54.14
06 41 13 00-0079 EA >36" To 42" Wide, 15" High x 13" Deep Double Door Wall Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	262.06 -38.71 -19.36 -77.42 96.78 125.81 -29.03	54.14
06 41 13 00-0080 12" High x 13" Deep, Wall Cabinets <small>(06 41 13 00-0043)</small>		

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0081	EA		18" to 30" Wide, 12" High x 13" Deep Double Door Wall Cabinet.....	197.23	29.72
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
			For Plastic Laminate On Particle Board, Deduct	-27.39	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-13.70	
			For Economy Grade, Deduct	-54.78	
			For Premium Grade, Add	68.48	
			For Laboratory Grade, Add	89.02	
			For Unfinished (Natural, Wood), Deduct	-20.54	
06 41 13 00-0082	EA		>30" Wide, 12" High x 13" Deep Double Door Wall Cabinet.....	229.62	22.29
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
			For Plastic Laminate On Particle Board, Deduct	-32.15	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-16.07	
			For Economy Grade, Deduct	-64.29	
			For Premium Grade, Add	80.37	
			For Laboratory Grade, Add	104.47	
			For Unfinished (Natural, Wood), Deduct	-24.11	
06 41 13 00-0083			36" High x 13" Deep, Wall Cabinets, Custom Built In Place (06 41 13 00-0043)		
06 41 13 00-0084			Single Door Type Units (06 41 13 00-0083)		
06 41 13 00-0085	LF		Up To 15" Wide, 36" High x 13" Deep Built In Place Single Door Wall Cabinet.....	226.59	73.34
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
			For Plastic Laminate On Particle Board, Deduct	-24.47	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-12.24	
			For Economy Grade, Deduct	-48.95	
			For Premium Grade, Add	61.19	
			For Laboratory Grade, Add	79.54	
			For Unfinished (Natural, Wood), Deduct	-18.36	
06 41 13 00-0086	LF		>15 To 18" Wide, 36" High x 13" Deep Built In Place Single Door Wall Cabinet.....	207.67	61.76
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
			For Plastic Laminate On Particle Board, Deduct	-23.78	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-11.89	
			For Economy Grade, Deduct	-47.56	
			For Premium Grade, Add	59.45	
			For Laboratory Grade, Add	77.28	
			For Unfinished (Natural, Wood), Deduct	-17.83	
06 41 13 00-0087	LF		>18 To 24" Wide, 36" High x 13" Deep Built In Place Single Door Wall Cabinet.....	170.39	48.25
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
			For Plastic Laminate On Particle Board, Deduct	-20.37	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-10.19	
			For Economy Grade, Deduct	-40.75	
			For Premium Grade, Add	50.94	
			For Laboratory Grade, Add	66.22	
			For Unfinished (Natural, Wood), Deduct	-15.28	
06 41 13 00-0088	LF		>24 To 30" Wide, 36" High x 13" Deep Built In Place Single Door Wall Cabinet.....	157.68	41.50
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
			For Plastic Laminate On Particle Board, Deduct	-19.57	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-9.79	
			For Economy Grade, Deduct	-39.14	
			For Premium Grade, Add	48.93	
			For Laboratory Grade, Add	63.60	
			For Unfinished (Natural, Wood), Deduct	-14.68	
06 41 13 00-0089			Double Door Type Units (06 41 13 00-0083)		
06 41 13 00-0090	LF		Up To 24" Wide, 36" High x 13" Deep Built In Place Double Door Wall Cabinet.....	179.20	54.04
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
			For Plastic Laminate On Particle Board, Deduct	-20.40	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-10.20	
			For Economy Grade, Deduct	-40.80	
			For Premium Grade, Add	51.00	
			For Laboratory Grade, Add	66.30	
			For Unfinished (Natural, Wood), Deduct	-15.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0091 LF >24" To 30" Wide, 36" High x 13" Deep Built In Place Double Door Wall Cabinet.....	164.48	46.32
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
For Plastic Laminate On Particle Board, Deduct	-19.77	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-9.89	
For Economy Grade, Deduct	-39.54	
For Premium Grade, Add	49.43	
For Laboratory Grade, Add	64.26	
For Unfinished (Natural, Wood), Deduct	-14.83	
06 41 13 00-0092 LF >30" To 36" Wide, 36" High x 13" Deep Built In Place Double Door Wall Cabinet.....	151.11	39.57
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
For Plastic Laminate On Particle Board, Deduct	-18.84	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-9.42	
For Economy Grade, Deduct	-37.67	
For Premium Grade, Add	47.09	
For Laboratory Grade, Add	61.22	
For Unfinished (Natural, Wood), Deduct	-14.13	
06 41 13 00-0093 LF >36" To 42" Wide, 36" High x 13" Deep Built In Place Double Door Wall Cabinet.....	138.66	34.74
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
For Plastic Laminate On Particle Board, Deduct	-17.70	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-8.85	
For Economy Grade, Deduct	-35.39	
For Premium Grade, Add	44.24	
For Laboratory Grade, Add	57.51	
For Unfinished (Natural, Wood), Deduct	-13.27	
06 41 13 00-0094 LF >42" To 48" Wide, 36" High x 13" Deep Built In Place Double Door Wall Cabinet.....	133.60	32.81
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
For Plastic Laminate On Particle Board, Deduct	-17.46	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-8.73	
For Economy Grade, Deduct	-34.91	
For Premium Grade, Add	43.64	
For Laboratory Grade, Add	56.73	
For Unfinished (Natural, Wood), Deduct	-13.09	
06 41 13 00-0095 Accessories (06 41 13 00-0001)		
See CSI section 06 41 93 00-0001 for cabinet hardware, 08 71 00 00-0000 for cabinet hardware.		
06 41 13 00-0096 EA Wall Corner Cabinet With Shelving.....	342.74	108.52
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
For Plastic Laminate On Particle Board, Deduct	-20.31	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-10.16	
For Economy Grade, Deduct	-40.63	
For Premium Grade, Add	50.79	
For Laboratory Grade, Add	66.02	
For Unfinished (Natural, Wood), Deduct	-15.24	
06 41 13 00-0097 EA Wall Lazy Susan With Cabinet Enclosure.....	449.36	86.82
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
For Plastic Laminate On Particle Board, Deduct	-51.28	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-25.64	
For Economy Grade, Deduct	-102.57	
For Premium Grade, Add	128.21	
For Laboratory Grade, Add	166.67	
For Unfinished (Natural, Wood), Deduct	-38.46	
06 41 13 00-0098 EA Base Lazy Susan With Cabinet Enclosure	517.90	72.36
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
For Plastic Laminate On Particle Board, Deduct	-71.42	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-35.71	
For Economy Grade, Deduct	-142.85	
For Premium Grade, Add	178.56	
For Laboratory Grade, Add	232.13	
For Unfinished (Natural, Wood), Deduct	-53.57	
06 41 13 00-0099 EA Broom Cabinet.....	545.17	62.03
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
For Plastic Laminate On Particle Board, Deduct	-81.47	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-40.74	
For Economy Grade, Deduct	-162.94	
For Premium Grade, Add	203.68	
For Laboratory Grade, Add	264.78	
For Unfinished (Natural, Wood), Deduct	-61.10	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41	13 00-0100	EA	Base Corner Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	240.42 -30.72 -15.36 -61.44 76.80 99.84 -23.04	43.41
06 41	13 00-0101	EA	Base Range Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	224.75 -30.48 -15.24 -60.96 76.20 99.06 -22.86	36.18
06 41	13 00-0102	EA	Double Oven Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. <i>For Plastic Laminate On Particle Board, Deduct</i> <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	293.66 -41.37 -20.68 -82.74 103.42 134.45 -31.03	43.41
06 41	13 00-0103	EA	Microwave Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. <i>For Plastic Laminate On Particle Board, Deduct</i> <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	199.41 -28.31 -14.15 -56.61 70.77 91.99 -21.23	28.94
06 41	13 00-0104	EA	30" Flipper Door And Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	264.92 -30.80 -15.40 -61.59 76.99 100.09 -23.10	55.47
06 41	13 00-0105	EA	36" Flipper Door And Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	280.44 -33.90 -16.95 -67.80 84.75 110.18 -25.43	55.47
06 41	13 00-0106	EA	48" Flipper Door And Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	306.17 -39.05 -19.52 -78.09 97.62 126.90 -29.28	55.47
06 41	13 00-0107	EA	For Keyed Lock In Door Or Drawer	42.98	
06 41	13 00-0108	SET	Tamper-Proof Screw Sets Per Panel	8.97	
06 41	13 00-0109		Removal And Reinstallation Of Cabinet Or Counters (06 41 13) Note: Includes storage, cleaning and supply materials. Any height or width.		
06 41	13 00-0110	LF	Removal And Reinstallation Of Wood Base Cabinets	73.83	
06 41	13 00-0111	LF	Remove And Reinstall Wall Cabinets	64.20	
06 41	13 00-0112	LF	Remove And Reinstall Plastic Laminated Countertops	14.87	
06 41	93		Cabinet And Drawer Hardware (06 41)		
06 41	93 00-0001		Cabinet Hardware (06 41 93) Note: Includes all mounting screws.		
06 41	93 00-0002	EA	Concealed, Full Or Half Overlay, Self Closing, Steel Cabinet Hinges	30.09	9.65
06 41	93 00-0003	EA	Semi Concealed, Brass Cabinet Hinges	31.25	9.65
06 41	93 00-0004	EA	Solid Brass Cabinet Pull Handles	22.29	8.21



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 93 00-0005 EA Solid Brass Cabinet Pull Knobs	20.34	6.27
06 41 93 00-0006 EA Cabinet Ball And Catch.....	30.69	9.65
06 41 93 00-0007 EA Surface Mount, Square Style, Cabinet Drawer Lock.....	65.87	9.65
06 41 93 00-0008 EA Mortise Mount, Square Style, Cabinet Drawer Lock	124.01	14.48
06 41 93 00-0009 EA Cabinet Drawer Lock For Hollow Metal Drawers	38.67	8.21
06 41 93 00-0010 EA Cabinet Door Catch	27.62	8.21
06 41 93 00-0011 EA Solid Brass, Cabinet Surface Bolt.....	46.67	8.21
06 41 93 00-0012 EA 3" Stainless Steel Cabinet Bar Pull (Liberty P01010-SS-C).....	28.57	12.07

06 42 Wood Paneling (06 40)
 Note: Includes glue for installation.

06 42 13 Wood Board Paneling (06 42)

06 42 13 00-0001 Solid Wood Paneling <small>(06 42 13)</small>		
06 42 13 00-0002 7/16" Solid Wood Paneling, Tongue And Groove, 3" To 5" Wide <small>(06 42 13 00-0001)</small>		
06 42 13 00-0003 SF Homestead Cedar Paneling Tongue And Groove, 7/16"	6.65	2.03
06 42 13 00-0004 SF Homestead Juniper Paneling Tongue And Groove, 7/16"	6.90	2.03
06 42 13 00-0005 7/16" Solid Wood Paneling, Tongue And Groove, 6" To 10" Wide <small>(06 42 13 00-0001)</small>		
06 42 13 00-0006 SF 8" Random Plank Tongue And Groove, 7/16"	8.10	1.93
06 42 13 00-0007 SF 8" Solid Plank Tongue And Groove, 7/16"	7.63	1.93
06 42 13 00-0008 1/2" Solid Wood Paneling, Tongue And Groove, 4" To 6" Wide <small>(06 42 13 00-0001)</small>		
06 42 13 00-0009 SF Alder Wood Tongue And Groove Paneling, 1/2".....	7.40	2.03
06 42 13 00-0010 1" Solid Wood Paneling, Shiplap, 6" To 8" Wide <small>(06 42 13 00-0001)</small>		
06 42 13 00-0011 SF 1" Teredo (Driftwood) Wood Shiplap	5.16	1.74

06 42 16 Flush Wood Paneling (06 42)

06 42 16 00-0001 Veneer Hardboard Panels <small>(06 42 16)</small>		
06 42 16 00-0002 SF 1/4" Veneer Paneling (Mapes).....	4.86	1.75
For Waterproof Glue, Add	0.06	
For Ceiling Installation, Add	1.19	
06 42 16 00-0003 Plywood Unfinished With Trim 1/4" Thick <small>(06 42 16)</small>		
06 42 16 00-0004 Birch <small>(06 42 16 00-0003)</small>		
06 42 16 00-0005 SF 1/4" Unfinished Birch Plywood, Natural Faced With Trim	4.39	1.55
For Waterproof Glue, Add	0.06	
For Ceiling Installation, Add	1.05	
For Installation On Metal Studs Or Furring, Add	0.38	
For Glue Laminated Installation, Add	0.22	
For Lumber Core, Add	0.10	
For 1/8" Thick Paneling, Deduct	-0.39	
For 1/2" Thick Paneling, Add	0.90	
For 5/8" Thick Paneling, Add	1.09	
For 3/4" Thick Paneling, Add	1.34	
For Fire Retardant Treatment (Class I), Add	0.71	
06 42 16 00-0006 SF 1/4" Unfinished Birch Plywood, Select With Trim.....	4.46	1.55
For Waterproof Glue, Add	0.07	
For Ceiling Installation, Add	1.05	
For Installation On Metal Studs Or Furring, Add	0.38	
For Glue Laminated Installation, Add	0.22	
For Lumber Core, Add	0.11	
For 1/8" Thick Paneling, Deduct	-0.41	
For 1/2" Thick Paneling, Add	0.94	
For 5/8" Thick Paneling, Add	1.15	
For 3/4" Thick Paneling, Add	1.41	
For Fire Retardant Treatment (Class I), Add	0.77	
06 42 16 00-0007 Knotty Pine <small>(06 42 16 00-0003)</small>		
06 42 16 00-0008 SF 1/4" Knotty Pine Plywood, Grade AA Unfinished With Trim	5.08	1.75
For Waterproof Glue, Add	0.08	
For Ceiling Installation, Add	1.17	
For Installation On Metal Studs Or Furring, Add	0.43	
For Glue Laminated Installation, Add	0.25	
For Lumber Core, Add	0.13	
For 1/8" Thick Paneling, Deduct	-0.47	
For 1/2" Thick Paneling, Add	1.11	
For 5/8" Thick Paneling, Add	1.36	
For 3/4" Thick Paneling, Add	1.68	
For Fire Retardant Treatment (Class I), Add	0.94	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 42 Wood Paneling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0009 SF 1/4" Knotty Pine Plywood, Grade AD Unfinished With Trim.....	5.03	1.75
For Waterproof Glue, Add	0.08	
For Ceiling Installation, Add	1.17	
For Installation On Metal Studs Or Furring, Add	0.43	
For Glue Laminated Installation, Add	0.25	
For Lumber Core, Add	0.13	
For 1/8" Thick Paneling, Deduct	-0.46	
For 1/2" Thick Paneling, Add	1.08	
For 5/8" Thick Paneling, Add	1.32	
For 3/4" Thick Paneling, Add	1.63	
For Fire Retardant Treatment (Class I), Add	0.90	
06 42 16 00-0010 Cedar (Aromatic - Closet Lining) (06 42 16 00-0003)		
06 42 16 00-0011 SF 1/4" Cedar Plywood, Standard Grade Unfinished With Trim, Closet Lining	5.14	1.94
For Waterproof Glue, Add	0.05	
For Ceiling Installation, Add	1.31	
For Installation On Metal Studs Or Furring, Add	0.48	
For Glue Laminated Installation, Add	0.26	
For Lumber Core, Add	0.08	
For 1/8" Thick Paneling, Deduct	-0.43	
For 1/2" Thick Paneling, Add	0.94	
For 5/8" Thick Paneling, Add	1.10	
For 3/4" Thick Paneling, Add	1.30	
For Fire Retardant Treatment (Class I), Add	0.60	
06 42 16 00-0012 SF 1/4" Cedar Plywood, Particle Board Unfinished With Trim, Closet Lining	5.02	1.94
For Waterproof Glue, Add	0.04	
For Ceiling Installation, Add	1.31	
For Installation On Metal Studs Or Furring, Add	0.48	
For Glue Laminated Installation, Add	0.25	
For Lumber Core, Add	0.07	
For 1/8" Thick Paneling, Deduct	-0.41	
For 1/2" Thick Paneling, Add	0.87	
For 5/8" Thick Paneling, Add	1.01	
For 3/4" Thick Paneling, Add	1.18	
For Fire Retardant Treatment (Class I), Add	0.51	
06 42 16 00-0013 Top Grade Plywood Prefinished With Trim 1/4" Thick (06 42 16)		
06 42 16 00-0014 SF 1/4" Top Grade Plywood, Birch Veneer Prefinished With Trim	4.90	1.75
For Flitch Matched Veneer, Add	0.51	
For Second Grade Veneer, Deduct	-0.10	
For Third Grade Veneer, Deduct	-0.15	
For Waterproof Glue, Add	0.07	
For Ceiling Installation, Add	1.17	
For Installation On Metal Studs Or Furring, Add	0.43	
For Glue Laminated Installation, Add	0.25	
For Lumber Core, Add	0.11	
For 1/8" Thick Paneling, Deduct	-0.44	
For 1/2" Thick Paneling, Add	1.01	
For 5/8" Thick Paneling, Add	1.22	
For 3/4" Thick Paneling, Add	1.50	
For Fire Retardant Treatment (Class I), Add	0.80	
06 42 16 00-0015 SF 1/4" Top Grade Plywood, Cherry Veneer Prefinished With Trim.....	5.35	1.75
For Flitch Matched Veneer, Add	0.73	
For Second Grade Veneer, Deduct	-0.15	
For Third Grade Veneer, Deduct	-0.22	
For Waterproof Glue, Add	0.10	
For Ceiling Installation, Add	1.17	
For Installation On Metal Studs Or Furring, Add	0.43	
For Glue Laminated Installation, Add	0.27	
For Lumber Core, Add	0.16	
For 1/8" Thick Paneling, Deduct	-0.52	
For 1/2" Thick Paneling, Add	1.26	
For 5/8" Thick Paneling, Add	1.56	
For 3/4" Thick Paneling, Add	1.96	
For Fire Retardant Treatment (Class I), Add	1.15	
06 42 16 00-0016 SF 1/4" Top Grade Plywood, Chestnut Veneer Prefinished With Trim.....	7.79	1.75
For Flitch Matched Veneer, Add	1.57	
For Second Grade Veneer, Deduct	-0.31	
For Third Grade Veneer, Deduct	-0.47	
For Waterproof Glue, Add	0.22	
For Ceiling Installation, Add	1.40	
For Installation On Metal Studs Or Furring, Add	0.51	
For Glue Laminated Installation, Add	0.39	
For Lumber Core, Add	0.35	
For 1/8" Thick Paneling, Deduct	-0.85	
For 1/2" Thick Paneling, Add	2.25	
For 5/8" Thick Paneling, Add	2.91	
For 3/4" Thick Paneling, Add	3.76	
For Fire Retardant Treatment (Class I), Add	2.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0017 SF 1/4" Top Grade Plywood, Lauan Veneer Prefinished With Trim	4.16	1.75
<i>For Flitch Matched Veneer, Add</i>	0.34	
<i>For Second Grade Veneer, Deduct</i>	-0.07	
<i>For Third Grade Veneer, Deduct</i>	-0.10	
<i>For Waterproof Glue, Add</i>	0.05	
<i>For Ceiling Installation, Add</i>	1.05	
<i>For Installation On Metal Studs Or Furring, Add</i>	0.38	
<i>For Glue Laminated Installation, Add</i>	0.21	
<i>For Lumber Core, Add</i>	0.07	
<i>For 1/8" Thick Paneling, Deduct</i>	-0.36	
<i>For 1/2" Thick Paneling, Add</i>	0.78	
<i>For 5/8" Thick Paneling, Add</i>	0.92	
<i>For 3/4" Thick Paneling, Add</i>	1.10	
<i>For Fire Retardant Treatment (Class I), Add</i>	0.53	
06 42 16 00-0018 SF 1/4" Top Grade Plywood, Mahogany Veneer Prefinished With Trim	6.90	1.75
<i>For Flitch Matched Veneer, Add</i>	1.26	
<i>For Second Grade Veneer, Deduct</i>	-0.25	
<i>For Third Grade Veneer, Deduct</i>	-0.38	
<i>For Waterproof Glue, Add</i>	0.18	
<i>For Ceiling Installation, Add</i>	1.31	
<i>For Installation On Metal Studs Or Furring, Add</i>	0.48	
<i>For Glue Laminated Installation, Add</i>	0.35	
<i>For Lumber Core, Add</i>	0.28	
<i>For 1/8" Thick Paneling, Deduct</i>	-0.73	
<i>For 1/2" Thick Paneling, Add</i>	1.89	
<i>For 5/8" Thick Paneling, Add</i>	2.42	
<i>For 3/4" Thick Paneling, Add</i>	3.10	
<i>For Fire Retardant Treatment (Class I), Add</i>	1.99	
06 42 16 00-0019 SF 1/4" Top Grade Plywood, Red Oak Veneer Prefinished With Trim	5.01	1.75
<i>For Flitch Matched Veneer, Add</i>	0.56	
<i>For Second Grade Veneer, Deduct</i>	-0.11	
<i>For Third Grade Veneer, Deduct</i>	-0.17	
<i>For Waterproof Glue, Add</i>	0.08	
<i>For Ceiling Installation, Add</i>	1.17	
<i>For Installation On Metal Studs Or Furring, Add</i>	0.43	
<i>For Glue Laminated Installation, Add</i>	0.25	
<i>For Lumber Core, Add</i>	0.12	
<i>For 1/8" Thick Paneling, Deduct</i>	-0.46	
<i>For 1/2" Thick Paneling, Add</i>	1.07	
<i>For 5/8" Thick Paneling, Add</i>	1.31	
<i>For 3/4" Thick Paneling, Add</i>	1.61	
<i>For Fire Retardant Treatment (Class I), Add</i>	0.88	
06 42 16 00-0020 SF 1/4" Top Grade Plywood, Pecan Veneer Prefinished With Trim	5.86	1.75
<i>For Flitch Matched Veneer, Add</i>	0.74	
<i>For Second Grade Veneer, Deduct</i>	-0.15	
<i>For Third Grade Veneer, Deduct</i>	-0.22	
<i>For Waterproof Glue, Add</i>	0.10	
<i>For Ceiling Installation, Add</i>	1.31	
<i>For Installation On Metal Studs Or Furring, Add</i>	0.48	
<i>For Glue Laminated Installation, Add</i>	0.29	
<i>For Lumber Core, Add</i>	0.16	
<i>For 1/8" Thick Paneling, Deduct</i>	-0.55	
<i>For 1/2" Thick Paneling, Add</i>	1.32	
<i>For 5/8" Thick Paneling, Add</i>	1.64	
<i>For 3/4" Thick Paneling, Add</i>	2.04	
<i>For Fire Retardant Treatment (Class I), Add</i>	1.17	
06 42 16 00-0021 SF 1/4" Top Grade Plywood, Rosewood Veneer Prefinished With Trim	9.05	1.75
<i>For Flitch Matched Veneer, Add</i>	1.79	
<i>For Second Grade Veneer, Deduct</i>	-0.36	
<i>For Third Grade Veneer, Deduct</i>	-0.54	
<i>For Waterproof Glue, Add</i>	0.25	
<i>For Ceiling Installation, Add</i>	1.64	
<i>For Installation On Metal Studs Or Furring, Add</i>	0.60	
<i>For Glue Laminated Installation, Add</i>	0.45	
<i>For Lumber Core, Add</i>	0.39	
<i>For 1/8" Thick Paneling, Deduct</i>	-0.98	
<i>For 1/2" Thick Paneling, Add</i>	2.59	
<i>For 5/8" Thick Paneling, Add</i>	3.34	
<i>For 3/4" Thick Paneling, Add</i>	4.31	
<i>For Fire Retardant Treatment (Class I), Add</i>	2.83	
06 42 16 00-0022 SF 1/4" Top Grade Plywood, Teak Veneer Prefinished With Trim	6.90	1.75
<i>For Flitch Matched Veneer, Add</i>	1.26	
<i>For Second Grade Veneer, Deduct</i>	-0.25	
<i>For Third Grade Veneer, Deduct</i>	-0.38	
<i>For Waterproof Glue, Add</i>	0.18	
<i>For Ceiling Installation, Add</i>	1.31	
<i>For Installation On Metal Studs Or Furring, Add</i>	0.48	
<i>For Glue Laminated Installation, Add</i>	0.35	
<i>For Lumber Core, Add</i>	0.28	
<i>For 1/8" Thick Paneling, Deduct</i>	-0.73	
<i>For 1/2" Thick Paneling, Add</i>	1.89	
<i>For 5/8" Thick Paneling, Add</i>	2.42	
<i>For 3/4" Thick Paneling, Add</i>	3.10	
<i>For Fire Retardant Treatment (Class I), Add</i>	1.99	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 42 Wood Paneling**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
06 42 16 00-0023	SF 1/4" Top Grade Plywood, Walnut Veneer Prefinished With Trim	6.04	1.75
	For Flitch Matched Veneer, Add	1.08	
	For Second Grade Veneer, Deduct	-0.22	
	For Third Grade Veneer, Deduct	-0.32	
	For Waterproof Glue, Add	0.15	
	For Ceiling Installation, Add	1.17	
	For Installation On Metal Studs Or Furring, Add	0.43	
	For Glue Laminated Installation, Add	0.30	
	For Lumber Core, Add	0.24	
	For 1/8" Thick Paneling, Deduct	-0.63	
	For 1/2" Thick Paneling, Add	1.63	
	For 5/8" Thick Paneling, Add	2.08	
	For 3/4" Thick Paneling, Add	2.66	
	For Fire Retardant Treatment (Class I), Add	1.70	
06 42 16 00-0024	SF 1/4" Top Grade Plywood, Maple Veneer Prefinished With Trim	5.03	1.75
	For Flitch Matched Veneer, Add	0.57	
	For Second Grade Veneer, Deduct	-0.11	
	For Third Grade Veneer, Deduct	-0.17	
	For Waterproof Glue, Add	0.08	
	For Ceiling Installation, Add	1.17	
	For Installation On Metal Studs Or Furring, Add	0.43	
	For Glue Laminated Installation, Add	0.25	
	For Lumber Core, Add	0.13	
	For 1/8" Thick Paneling, Deduct	-0.46	
	For 1/2" Thick Paneling, Add	1.08	
	For 5/8" Thick Paneling, Add	1.32	
	For 3/4" Thick Paneling, Add	1.63	
	For Fire Retardant Treatment (Class I), Add	0.90	
06 42 16 00-0025	Accessories ^(06 42 16)		
06 42 16 00-0026	EA Aluminum Panel Retainer "J" With Bolt	24.35	
06 42 19	Plastic-Laminate-Faced Wood Paneling ^(06 42)		
06 42 19 00-0001	Plastic Laminate ^(06 42 19)		
	Note: Standard colors and patterns.		
06 42 19 00-0002	SF 1/16" Plastic Laminate Faced Panel	7.70	3.38
	Note: Includes cutting to fit.		
06 43	Wood Stairs And Railings ^(06 40)		
06 43 13	Wood Stairs ^(06 43)		
06 43 13 00-0001	Stair Parts ^(06 43 13)		
06 43 13 00-0002	EA 30" Baluster, Pine	39.29	19.58
06 43 13 00-0003	EA 30" Baluster, Birch	44.14	19.58
06 43 13 00-0004	EA 42" Baluster, Pine	43.17	20.25
06 43 13 00-0005	EA 42" Baluster, Birch	48.35	20.25
06 43 13 00-0006	EA 3-1/4" Wide Newels, Starting	207.00	76.98
06 43 13 00-0007	EA 3-1/4" Wide Newels, Landing	299.89	108.04
06 43 13 00-0008	LF Oak Gooseneck, 1 Riser	138.28	67.53
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	22.17	
06 43 13 00-0009	LF Oak Gooseneck, 2 Riser	158.77	74.18
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	24.37	
06 43 13 00-0010	LF Oak Handrail, 2-1/2" x 3" With Quarter Turn	25.73	10.13
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	3.32	
06 43 13 00-0011	LF 1-1/16" x 9-1/2" Oak Stair Tread	30.08	5.69
	For Beech, Add	5.63	
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	2.60	
06 43 13 00-0012	LF 1-1/16" x 11-1/2" Oak Stair Tread	35.42	5.69
	For Beech, Add	7.23	
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	2.60	
06 43 13 00-0013	LF 1-1/16" x 11-1/2" Pine Stair Tread	18.89	5.69
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	2.60	
06 43 13 00-0014	LF 3/4" x 7-1/2" High Beech Riser	24.10	5.88
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	2.72	
06 43 13 00-0015	LF 3/4" x 7-1/2" High Oak Riser	22.97	5.88
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	2.72	
06 43 13 00-0016	LF 3/4" x 7-1/2" High Fir Riser	15.69	5.88
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	2.72	
06 43 13 00-0017	LF 3/4" x 7-1/2" High Pine Riser	15.34	5.88
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	2.72	
06 43 13 00-0018	SF Framed Stair Landings, 3/4" Plywood Surface, Per SF Of Landing	33.18	
06 43 13 00-0019	Interior Box Stairs ^(06 43 13)		
	Note: Factory cut and assembled straight closed box stairs, unfinished.		
06 43 13 00-0020	EA 30" Wide Pine Box Stair, Per Riser	175.80	58.74
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	19.30	
	For Prefinished Stair Rail With Balusters And Newel, Add	69.18	
	For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	22.49	
	For Oak Or Maple Treads, Add	41.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 43 13 00-0021 EA 32" Wide Pine Box Stair, Per Riser.....	184.94	60.10
For Curved Surfaces With A 2'-0" Maximum Radius, Add	19.74	
For Prefinished Stair Rail With Balusters And Newel, Add	69.75	
For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	22.73	
For Oak Or Maple Treads, Add	44.60	
06 43 13 00-0022 EA 34" Wide Pine Box Stair, Per Riser.....	193.17	60.78
For Curved Surfaces With A 2'-0" Maximum Radius, Add	19.97	
For Prefinished Stair Rail With Balusters And Newel, Add	70.04	
For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	22.85	
For Oak Or Maple Treads, Add	47.86	
06 43 13 00-0023 EA 36" Wide Pine Box Stair, Per Riser.....	202.60	61.45
For Curved Surfaces With A 2'-0" Maximum Radius, Add	20.18	
For Prefinished Stair Rail With Balusters And Newel, Add	70.33	
For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	22.97	
For Oak Or Maple Treads, Add	51.68	
06 43 13 00-0024 EA 38" Wide Pine Box Stair, Per Riser.....	208.37	62.12
For Curved Surfaces With A 2'-0" Maximum Radius, Add	20.41	
For Prefinished Stair Rail With Balusters And Newel, Add	70.62	
For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	23.09	
For Oak Or Maple Treads, Add	53.84	
06 43 13 00-0025 EA 40" Wide Pine Box Stair, Per Riser.....	215.10	63.48
For Curved Surfaces With A 2'-0" Maximum Radius, Add	20.85	
For Prefinished Stair Rail With Balusters And Newel, Add	71.20	
For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	23.33	
For Oak Or Maple Treads, Add	55.99	
06 43 13 00-0026 EA 42" Wide Pine Box Stair, Per Riser.....	220.87	64.15
For Curved Surfaces With A 2'-0" Maximum Radius, Add	21.08	
For Prefinished Stair Rail With Balusters And Newel, Add	71.49	
For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	23.46	
For Oak Or Maple Treads, Add	58.15	
06 43 13 00-0027 EA 44" Wide Pine Box Stair, Per Riser.....	226.65	64.83
For Curved Surfaces With A 2'-0" Maximum Radius, Add	21.30	
For Prefinished Stair Rail With Balusters And Newel, Add	71.79	
For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	23.58	
For Oak Or Maple Treads, Add	60.31	
06 43 13 00-0028 EA 46" Wide Pine Box Stair, Per Riser.....	232.36	65.50
For Curved Surfaces With A 2'-0" Maximum Radius, Add	21.51	
For Prefinished Stair Rail With Balusters And Newel, Add	72.06	
For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	23.69	
For Oak Or Maple Treads, Add	62.47	
06 43 13 00-0029 EA 48" Wide Pine Box Stair, Per Riser.....	240.03	67.53
For Curved Surfaces With A 2'-0" Maximum Radius, Add	22.19	
For Prefinished Stair Rail With Balusters And Newel, Add	72.94	
For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	24.06	
For Oak Or Maple Treads, Add	64.60	

06 43 16 Wood Railings (06 43)

06 43 16 00-0001 Handrails (06 43 16)

06 43 16 00-0002 Wood Handrail With Brackets (06 43 16 00-0001)

Note: Includes pine, fir or red oak interior grade or pressure treated exterior grade handrail with brackets.

06 43 16 00-0003 LF 1-1/2" x 1-11/16", Wood Handrail With Brackets	13.84	4.82
For Curved Surfaces With A 2'-0" Maximum Radius, Add	2.22	
06 43 16 00-0004 LF 1-7/8" x 2-5/8", Wood Handrail With Brackets	14.68	4.82
For Curved Surfaces With A 2'-0" Maximum Radius, Add	2.22	
06 43 16 00-0005 LF 1-1/2" Diameter, Wood Handrail With Brackets	17.50	4.82
06 43 16 00-0006 LF 1-3/4" Diameter, Wood Handrail With Brackets	18.20	4.82
06 43 16 00-0007 LF 2" Diameter, Wood Handrail With Brackets	20.74	4.82
06 43 16 00-0008 LF 2-1/2" Diameter, Wood Handrail With Brackets	28.55	4.82

06 44 Ornamental Woodwork (06 40)

06 44 39 Wood Posts And Columns (06 44)

06 44 39 00-0001 Columns (06 44 39)

06 44 39 00-0002 Pine Colonial Columns, Round Tapered With Cap And Base (06 44 39 00-0001)

Note: Paint grade/finger jointed pine.

06 44 39 00-0003 LF 6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	39.32	5.67
06 44 39 00-0004 LF 8" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	50.14	8.29
06 44 39 00-0005 LF 10" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	60.79	9.59
06 44 39 00-0006 LF 12" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	71.58	10.04
06 44 39 00-0007 LF 14" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	151.23	11.34
06 44 39 00-0008 LF 16" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	174.85	12.21
06 44 39 00-0009 LF 18" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	209.15	13.09
06 44 39 00-0010 LF 20" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	248.35	13.96
06 44 39 00-0011 LF 6" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	44.55	5.67
06 44 39 00-0012 LF 8" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	54.33	8.29
06 44 39 00-0013 LF 10" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	66.58	9.59
06 44 39 00-0014 LF 12" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	77.77	10.04
06 44 39 00-0015 LF 14" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	163.81	11.34
06 44 39 00-0016 LF 16" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	219.99	12.21

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 44 Ornamental Woodwork**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 44 39 00-0017 LF 18" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	237.12	13.09
06 44 39 00-0018 LF 20" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	266.33	13.96
06 44 39 00-0019 Pine Colonial Columns, Round Non Tapered With Cap And Base (06 44 39 00-0001)		
Note: Paint grade/finger jointed pine.		
06 44 39 00-0020 LF 6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	46.35	5.67
06 44 39 00-0021 LF 8" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	58.13	8.29
06 44 39 00-0022 LF 10" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	71.18	9.59
06 44 39 00-0023 LF 12" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	84.56	10.04
06 44 39 00-0024 LF 14" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	183.81	11.34
06 44 39 00-0025 LF 16" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	213.00	12.21
06 44 39 00-0026 LF 18" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	255.55	13.09
06 44 39 00-0027 LF 20" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	304.25	13.96
06 44 39 00-0028 LF 6" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	52.90	5.67
06 44 39 00-0029 LF 8" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	63.86	8.29
06 44 39 00-0030 LF 10" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	78.69	9.59
06 44 39 00-0031 LF 12" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	92.51	10.04
06 44 39 00-0032 LF 14" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	199.57	11.34
06 44 39 00-0033 LF 16" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	269.59	12.21
06 44 39 00-0034 LF 18" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	290.61	13.09
06 44 39 00-0035 LF 20" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	326.80	13.96
06 44 39 00-0036 Pine Classical Columns, Round Tapered With Cap And Base (06 44 39 00-0001)		
Note: Paint grade/finger jointed pine.		
06 44 39 00-0037 LF 6" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base.....	41.80	5.67
06 44 39 00-0038 LF 8" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base.....	53.13	8.29
06 44 39 00-0039 LF 10" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base.....	64.55	9.59
06 44 39 00-0040 LF 12" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base.....	76.24	10.04
06 44 39 00-0041 LF 6" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base.....	47.51	5.67
06 44 39 00-0042 LF 8" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base.....	57.70	8.29
06 44 39 00-0043 LF 10" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base.....	70.87	9.59
06 44 39 00-0044 LF 12" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base.....	82.98	10.04
06 44 39 00-0045 Redwood Colonial Columns, Round Tapered With Cap And Base (06 44 39 00-0001)		
Note: Paint grade/finger jointed redwood.		
06 44 39 00-0046 LF 6" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	62.73	5.67
06 44 39 00-0047 LF 8" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	76.51	8.29
06 44 39 00-0048 LF 10" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	94.55	9.59
06 44 39 00-0049 LF 12" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	114.33	10.04
06 44 39 00-0050 LF 6" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	71.52	5.67
06 44 39 00-0051 LF 8" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	85.90	8.29
06 44 39 00-0052 LF 10" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	105.54	9.59
06 44 39 00-0053 LF 12" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	128.71	10.04
06 44 39 00-0054 Ornamental Or Decorative Cap And Bases, Resin (06 44 39 00-0001)		
Note: For tapered wood columns.		
06 44 39 00-0055 EA 6" Resin Corinthian Capital And Base.....	191.36	11.78
06 44 39 00-0056 EA 8" Resin Corinthian Capital And Base.....	285.86	13.09
06 44 39 00-0057 EA 10" Resin Corinthian Capital And Base.....	396.10	15.27
06 44 39 00-0058 EA 12" Resin Corinthian Capital And Base.....	504.34	17.45
06 44 39 00-0059 EA 6" Resin Greek Erectheum Cap And Base.....	171.38	11.78
06 44 39 00-0060 EA 8" Resin Greek Erectheum Cap And Base.....	235.92	13.09
06 44 39 00-0061 EA 10" Resin Greek Erectheum Cap And Base.....	292.22	15.27
06 44 39 00-0062 EA 12" Resin Greek Erectheum Cap And Base.....	380.48	17.45
06 44 39 00-0063 EA 6" Resin Roman Ionic Capital And Base.....	180.25	12.21
06 44 39 00-0064 EA 8" Resin Roman Ionic Capital And Base.....	235.92	13.09
06 44 39 00-0065 EA 10" Resin Roman Ionic Capital And Base.....	292.22	15.27
06 44 39 00-0066 EA 12" Resin Roman Ionic Capital And Base.....	370.50	17.45
06 44 39 00-0067 EA 6" Resin Scamozzi Capital And Base.....	182.25	12.21
06 44 39 00-0068 EA 8" Resin Scamozzi Capital And Base.....	255.89	13.09
06 44 39 00-0069 EA 10" Resin Scamozzi Capital And Base.....	302.21	15.27
06 44 39 00-0070 EA 12" Resin Scamozzi Capital And Base.....	412.45	17.45
06 44 39 00-0071 EA 6" Resin Temple Of Winds Cap And Base.....	182.25	12.21
06 44 39 00-0072 EA 8" Resin Temple Of Winds Cap And Base.....	277.87	13.09
06 44 39 00-0073 EA 10" Resin Temple Of Winds Cap And Base.....	366.14	15.27
06 44 39 00-0074 EA 12" Resin Temple Of Winds Cap And Base.....	452.40	17.45
06 44 39 00-0075 Ornamental Or Decorative Cap And Bases, Plaster (06 44 39 00-0001)		
Note: For tapered wood columns.		
06 44 39 00-0076 EA 6" Plaster Corinthian Capital And Base.....	377.13	11.78
06 44 39 00-0077 EA 8" Plaster Corinthian Capital And Base.....	423.69	13.09
06 44 39 00-0078 EA 10" Plaster Corinthian Capital And Base.....	537.93	15.27
06 44 39 00-0079 EA 12" Plaster Corinthian Capital And Base.....	592.23	17.45
06 44 39 00-0080 EA 6" Plaster Greek Erectheum Cap And Base.....	253.28	11.78
06 44 39 00-0081 EA 8" Plaster Greek Erectheum Cap And Base.....	293.85	13.09
06 44 39 00-0082 EA 10" Plaster Greek Erectheum Cap And Base.....	362.14	15.27



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 44 39 00-0083 EA 12" Plaster Greek Erectheum Cap And Base	454.40	17.45
06 44 39 00-0084 EA 6" Plaster Roman Ionic Capital And Base.....	244.18	12.21
06 44 39 00-0085 EA 8" Plaster Roman Ionic Capital And Base.....	317.82	13.09
06 44 39 00-0086 EA 10" Plaster Roman Ionic Capital And Base.....	384.11	15.27
06 44 39 00-0087 EA 12" Plaster Roman Ionic Capital And Base.....	454.40	17.45
06 44 39 00-0088 EA 6" Plaster Scamozzi Capital And Base	288.12	12.21
06 44 39 00-0089 EA 8" Plaster Scamozzi Capital And Base	379.74	13.09
06 44 39 00-0090 EA 10" Plaster Scamozzi Capital And Base	428.06	15.27
06 44 39 00-0091 EA 12" Plaster Scamozzi Capital And Base	542.29	17.45
06 44 39 00-0092 EA 6" Plaster Temple Of Winds Cap And Base.....	244.18	12.21
06 44 39 00-0093 EA 8" Plaster Temple Of Winds Cap And Base.....	313.82	13.09
06 44 39 00-0094 EA 10" Plaster Temple Of Winds Cap And Base.....	408.09	15.27
06 44 39 00-0095 EA 12" Plaster Temple Of Winds Cap And Base.....	520.32	17.45
06 44 39 00-0096 EA 6" Plaster Empire Capital And Base	274.14	12.21
06 44 39 00-0097 EA 8" Plaster Empire Capital And Base	333.80	13.09
06 44 39 00-0098 EA 10" Plaster Empire Capital And Base	406.09	15.27
06 44 39 00-0099 EA 12" Plaster Empire Capital And Base	454.40	17.45

06 46 Wood Trim (06 40)

06 46 13 Wood Door and Window Casings (06 46)

06 46 13 00-0001 Door and Window Casings (06 46 13)

06 46 13 00-0002 LF 1-1/8" Wide Plain Pine Door And Window Molding.....	4.05	1.55
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.79	
06 46 13 00-0003 LF 1-1/8" Wide Detailed Pine Door And Window Molding.....	4.08	1.55
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.79	
06 46 13 00-0004 LF 2-1/2" Wide Pine Complete Door And Window Trim.....	4.73	1.55
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.79	

06 46 19 Wood Base And Shoe Moldings (06 46)

06 46 19 00-0001 Base And Shoe Molding (06 46 19)

06 46 19 00-0002 LF 1/2" x 1/2" Pine Quarter Round Trim	4.39	1.83
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.92	
06 46 19 00-0003 LF 3/4" x 3/4" Pine Quarter Round Trim	4.58	1.83
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.92	
06 46 19 00-0004 LF 3-1/2" High White Pine Base Molding, All Dimensions Are Nominal.....	5.05	1.16
<i>For Clear Birch, Add</i>	0.38	
<i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i>	0.92	
<i>For Stain Grade Material (No Finger Joints), Add</i>	0.21	
<i>For Clear Poplar, Add</i>	0.24	
06 46 19 00-0005 LF 4-1/2" High White Pine Base Molding, All Dimensions Are Nominal.....	6.19	1.45
<i>For Clear Birch, Add</i>	0.44	
<i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i>	1.10	
<i>For Stain Grade Material (No Finger Joints), Add</i>	0.25	
<i>For Clear Poplar, Add</i>	0.27	
06 46 19 00-0006 LF 5-1/2" High White Pine Base Molding, All Dimensions Are Nominal.....	7.43	1.64
<i>For Clear Birch, Add</i>	0.68	
<i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i>	1.49	
<i>For Stain Grade Material (No Finger Joints), Add</i>	0.38	
<i>For Clear Poplar, Add</i>	0.42	
06 46 19 00-0007 LF 3/4" x 1" Oak Base Shoe	5.06	1.83
06 46 19 00-0008 LF 3/4" x 1" White Pine Base Shoe, Stain Grade.....	4.95	1.83
06 46 19 00-0009 LF 3/4" x 1" White Pine Base Shoe, Paint Grade.....	4.71	1.83

06 46 23 Wood Chair Rails (06 46)

06 46 23 00-0001 Chair Rails (06 46 23)

06 46 23 00-0002 LF 5/8" x 2-1/2" White Pine Shaped Chair Rail.....	5.81	1.74
<i>For Birch, Add</i>	0.62	
<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.26	
<i>For Poplar, Add</i>	0.39	
06 46 23 00-0003 LF 5/8" x 3-1/2" White Pine Shaped Chair Rail.....	6.80	1.74
<i>For Birch, Add</i>	0.94	
<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.71	
<i>For Poplar, Add</i>	0.59	
06 46 23 00-0004 LF 1/2" x 1-5/8" White Pine Shaped Chair Rail.....	4.33	1.74
<i>For Birch, Add</i>	0.46	
<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	0.93	
<i>For Poplar, Add</i>	0.29	

06 46 26 Wood Cornices (06 46)

06 46 26 00-0001 Wood Cornices (06 46 26)

06 46 26 00-0002 LF 1" x 2" White Pine Cornices, All Dimensions Are Nominal.....	4.75	1.74
<i>For Birch, Add</i>	0.32	
<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	0.79	
<i>For Poplar, Add</i>	0.40	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 26 00-0003	LF		1" x 4" White Pine Cornices, All Dimensions Are Nominal.....	5.62	1.83
			<i>For Birch, Add</i>	0.58	
			<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	1.12	
			<i>For Poplar, Add</i>	0.72	
06 46 26 00-0004	LF		1" x 6" White Pine Cornices, All Dimensions Are Nominal.....	7.25	1.93
			<i>For Birch, Add</i>	1.10	
			<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	1.80	
			<i>For Poplar, Add</i>	1.38	
06 46 26 00-0005	LF		1" x 8" White Pine Cornices, All Dimensions Are Nominal.....	8.18	1.93
			<i>For Birch, Add</i>	1.37	
			<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	2.15	
			<i>For Poplar, Add</i>	1.71	
06 46 26 00-0006	LF		1" x 10" White Pine Cornices, All Dimensions Are Nominal.....	9.26	2.03
			<i>For Birch, Add</i>	1.68	
			<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	2.56	
			<i>For Poplar, Add</i>	2.10	
06 46 26 00-0007	LF		1" x 12" White Pine Cornices, All Dimensions Are Nominal.....	11.46	2.22
			<i>For Birch, Add</i>	2.39	
			<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	3.47	
			<i>For Poplar, Add</i>	2.99	
06 46 29 Wood Fasciae And Soffits (06 46)					
06 46 29 00-0001			Fascia Board (06 46 29)		
06 46 29 00-0002			Pine Fascia Board (06 46 29 00-0001)		
06 46 29 00-0003	LF		1" x 6" Pine Fascia Board.....	4.38	1.93
06 46 29 00-0004	LF		1" x 8" Pine Fascia Board.....	4.97	2.14
06 46 29 00-0005	LF		1" x 10" Pine Fascia Board.....	5.35	2.25
06 46 29 00-0006	LF		1" x 12" Pine Fascia Board.....	6.25	2.51
06 46 29 00-0007	LF		2" x 6" Pine Fascia Board.....	4.34	1.93
06 46 29 00-0008	LF		2" x 8" Pine Fascia Board.....	4.92	2.14
06 46 29 00-0009	LF		2" x 10" Pine Fascia Board.....	5.43	2.25
06 46 29 00-0010	LF		2" x 12" Pine Fascia Board.....	6.48	2.51
06 46 29 00-0011	LF		2" x 6" Trim, Exterior, Pine, Resawn Fascia.....	5.27	1.93
06 46 29 00-0012	LF		2" x 8" Trim, Exterior, Pine, Resawn Fascia.....	6.14	2.14
06 46 29 00-0013	LF		2" x 10" Trim, Exterior, Pine, Resawn Fascia.....	6.85	2.25
06 46 29 00-0014	LF		2" x 12" Trim, Exterior, Pine, Resawn Fascia.....	8.60	2.51
06 46 29 00-0015			Cedar Fascia Board (06 46 29 00-0001)		
06 46 29 00-0016	LF		1" x 6" Cedar Fascia Board.....	4.63	1.93
06 46 29 00-0017	LF		1" x 8" Cedar Fascia Board.....	5.36	2.14
06 46 29 00-0018	LF		1" x 10" Cedar Fascia Board.....	6.09	2.25
06 46 29 00-0019	LF		1" x 12" Cedar Fascia Board.....	7.30	2.51
06 46 29 00-0020			Engineered Wood Fascia Board (06 46 29 00-0001)		
06 46 29 00-0021	LF		1" x 6" Engineered Wood Fascia Board.....	4.24	1.93
06 46 29 00-0022	LF		1" x 8" Engineered Wood Fascia Board.....	4.78	2.14
06 46 29 00-0023	LF		1" x 12" Engineered Wood Fascia Board.....	5.79	2.51
06 46 29 00-0024			Soffit (06 46 29)		
06 46 29 00-0025			Sanded Plywood Soffit (06 46 29 00-0024)		
06 46 29 00-0026	SF		3/8" Thick, Sanded Plywood Soffit.....	3.66	1.46
06 46 29 00-0027	SF		1/2" Thick, Sanded Plywood Soffit.....	3.98	1.54
06 46 29 00-0028	SF		5/8" Thick, Sanded Plywood Soffit.....	4.18	1.60
06 46 29 00-0029	SF		3/4" Thick, Sanded Plywood Soffit.....	4.58	1.69
06 46 29 00-0030			MDO Plywood Soffit (06 46 29 00-0024)		
06 46 29 00-0031	SF		3/8" Thick, MDO Plywood Soffit.....	4.01	1.46
06 46 29 00-0032	SF		1/2" Thick, MDO Plywood Soffit.....	4.41	1.54
06 46 29 00-0033	SF		3/4" Thick, MDO Plywood Soffit.....	5.42	1.69
06 46 29 00-0034			Exterior Ceiling Gypsum Board Soffit (06 46 29 00-0024)		
06 46 29 00-0035	SF		1/2" Thick, Exterior Ceiling Gypsum Board Soffit.....	2.96	1.28
06 46 29 00-0036	SF		5/8" Thick, Fire Rated, Exterior Ceiling Gypsum Board Soffit.....	3.19	1.34
06 46 36 Custom Wood Molding (06 46)					
Note: Includes set-up, knife charge, gluing (Where necessary for widths over 7-1/2"). All dimensions are nominal.					
06 46 36 00-0001			Ash (06 46 36)		
06 46 36 00-0002	LF		3/4" x 1-1/2" Custom Shaped Ash.....	5.40	1.07
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.78	
06 46 36 00-0003	LF		3/4" x 2-1/2" Custom Shaped Ash.....	6.50	1.07
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0004 LF 3/4" x 3-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.62 0.83	1.07
06 46 36 00-0005 LF 3/4" x 4-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.71 0.86	1.16
06 46 36 00-0006 LF 3/4" x 5-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.93 0.91	1.16
06 46 36 00-0007 LF 3/4" x 6-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.15 0.96	1.26
06 46 36 00-0008 LF 3/4" x 7-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.24 0.98	1.26
06 46 36 00-0009 LF 3/4" x 8-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.37 1.01	1.26
06 46 36 00-0010 LF 3/4" x 9-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.43 1.02	1.35
06 46 36 00-0011 LF 3/4" x 10-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.66 1.07	1.35
06 46 36 00-0012 LF 3/4" x 11-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.81 1.11	1.45
06 46 36 00-0013 LF 1" x 1-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.18 0.80	1.07
06 46 36 00-0014 LF 1" x 2-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.62 0.83	1.07
06 46 36 00-0015 LF 1" x 3-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.06 0.85	1.16
06 46 36 00-0016 LF 1" x 4-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.50 0.88	1.16
06 46 36 00-0017 LF 1" x 5-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.08 0.93	1.26
06 46 36 00-0018 LF 1" x 6-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.62 0.98	1.26
06 46 36 00-0019 LF 1" x 7-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.05 1.00	1.26
06 46 36 00-0020 LF 1" x 8-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.51 1.03	1.35
06 46 36 00-0021 LF 1" x 9-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.93 1.04	1.35
06 46 36 00-0022 LF 1" x 10-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.49 1.10	1.45
06 46 36 00-0023 LF 1" x 11-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.98 1.13	1.45
06 46 36 00-0024 LF 1-1/4" x 1-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.16 0.83	1.07
06 46 36 00-0025 LF 1-1/4" x 2-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.05 0.85	1.07
06 46 36 00-0026 LF 1-1/4" x 3-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.94 0.88	1.16
06 46 36 00-0027 LF 1-1/4" x 4-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.83 0.90	1.16
06 46 36 00-0028 LF 1-1/4" x 5-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.83 0.95	1.26
06 46 36 00-0029 LF 1-1/4" x 6-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.83 1.00	1.26
06 46 36 00-0030 LF 1-1/4" x 7-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.71 1.02	1.35
06 46 36 00-0031 LF 1-1/4" x 8-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.62 1.05	1.35
06 46 36 00-0032 LF 1-1/4" x 9-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	22.47 1.06	1.35
06 46 36 00-0033 LF 1-1/4" x 10-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.49 1.12	1.45
06 46 36 00-0034 LF 1-1/4" x 11-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.43 1.16	1.55
06 46 36 00-0035 LF 1-1/2" x 1-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.54 0.85	1.07
06 46 36 00-0036 LF 1-1/2" x 2-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.08 0.87	1.16
06 46 36 00-0037 LF 1-1/2" x 3-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.60 0.90	1.16
06 46 36 00-0038 LF 1-1/2" x 4-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.14 0.92	1.26
06 46 36 00-0039 LF 1-1/2" x 5-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.68 0.95	1.26
06 46 36 00-0040 LF 1-1/2" x 6-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.42 1.02	1.35
06 46 36 00-0041 LF 1-1/2" x 7-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.99 1.04	1.35
06 46 36 00-0042 LF 1-1/2" x 8-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.50 1.07	1.35
06 46 36 00-0043 LF 1-1/2" x 9-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.99 1.09	1.45
06 46 36 00-0044 LF 1-1/2" x 10-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	31.89 1.14	1.45
06 46 36 00-0045 LF 1-1/2" x 11-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	34.23 1.18	1.55

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 46 36 00-0046	Basswood <small>(06 46 36)</small>		
06 46 36 00-0047	LF 3/4" x 1-1/2" Custom Shaped Basswood	4.73	1.07
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.78	
06 46 36 00-0048	LF 3/4" x 2-1/2" Custom Shaped Basswood	5.50	1.07
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.81	
06 46 36 00-0049	LF 3/4" x 3-1/2" Custom Shaped Basswood	6.28	1.07
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.83	
06 46 36 00-0050	LF 3/4" x 4-1/2" Custom Shaped Basswood	7.05	1.16
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.86	
06 46 36 00-0051	LF 3/4" x 5-1/2" Custom Shaped Basswood	7.94	1.16
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.91	
06 46 36 00-0052	LF 3/4" x 6-1/2" Custom Shaped Basswood	8.82	1.26
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.96	
06 46 36 00-0053	LF 3/4" x 7-1/2" Custom Shaped Basswood	9.58	1.26
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.98	
06 46 36 00-0054	LF 3/4" x 8-1/2" Custom Shaped Basswood	10.37	1.35
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.01	
06 46 36 00-0055	LF 3/4" x 9-1/2" Custom Shaped Basswood	11.10	1.35
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.02	
06 46 36 00-0056	LF 3/4" x 10-1/2" Custom Shaped Basswood	11.99	1.45
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.07	
06 46 36 00-0057	LF 3/4" x 11-1/2" Custom Shaped Basswood	12.81	1.45
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.11	
06 46 36 00-0058	LF 1" x 1-1/2" Custom Shaped Basswood	5.23	1.07
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.80	
06 46 36 00-0059	LF 1" x 2-1/2" Custom Shaped Basswood	6.19	1.07
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.83	
06 46 36 00-0060	LF 1" x 3-1/2" Custom Shaped Basswood	7.16	1.16
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.85	
06 46 36 00-0061	LF 1" x 4-1/2" Custom Shaped Basswood	8.12	1.16
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.88	
06 46 36 00-0062	LF 1" x 5-1/2" Custom Shaped Basswood	9.22	1.26
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.93	
06 46 36 00-0063	LF 1" x 6-1/2" Custom Shaped Basswood	10.29	1.26
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.98	
06 46 36 00-0064	LF 1" x 7-1/2" Custom Shaped Basswood	11.25	1.35
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.00	
06 46 36 00-0065	LF 1" x 8-1/2" Custom Shaped Basswood	12.23	1.35
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.03	
06 46 36 00-0066	LF 1" x 9-1/2" Custom Shaped Basswood	13.17	1.35
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.04	
06 46 36 00-0067	LF 1" x 10-1/2" Custom Shaped Basswood	14.26	1.45
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.10	
06 46 36 00-0068	LF 1" x 11-1/2" Custom Shaped Basswood	15.27	1.45
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.13	
06 46 36 00-0069	LF 1-1/2" x 1-1/2" Custom Shaped Basswood	6.63	1.07
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.83	
06 46 36 00-0070	LF 1-1/2" x 2-1/2" Custom Shaped Basswood	8.27	1.07
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.85	
06 46 36 00-0071	LF 1-1/2" x 3-1/2" Custom Shaped Basswood	9.90	1.16
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.88	
06 46 36 00-0072	LF 1-1/2" x 4-1/2" Custom Shaped Basswood	11.52	1.16
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.90	
06 46 36 00-0073	LF 1-1/2" x 5-1/2" Custom Shaped Basswood	13.26	1.26
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.95	
06 46 36 00-0074	LF 1-1/2" x 6-1/2" Custom Shaped Basswood	15.00	1.35
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.00	
06 46 36 00-0075	LF 1-1/2" x 7-1/2" Custom Shaped Basswood	16.62	1.35
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.02	
06 46 36 00-0076	LF 1-1/2" x 8-1/2" Custom Shaped Basswood	18.27	1.35
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.05	
06 46 36 00-0077	LF 1-1/2" x 9-1/2" Custom Shaped Basswood	19.85	1.35
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.06	
06 46 36 00-0078	LF 1-1/2" x 10-1/2" Custom Shaped Basswood	21.61	1.45
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.12	
06 46 36 00-0079	LF 1-1/2" x 11-1/2" Custom Shaped Basswood	23.29	1.55
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.16	
06 46 36 00-0080	LF 3-1/2" x 3-1/2" Custom Shaped Basswood	21.65	1.26
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.95	
06 46 36 00-0081	LF 3-1/2" x 4-1/2" Custom Shaped Basswood	26.22	1.26
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.00	
06 46 36 00-0082	LF 3-1/2" x 5-1/2" Custom Shaped Basswood	30.69	1.35
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.02	
06 46 36 00-0083	LF 3-1/2" x 6-1/2" Custom Shaped Basswood	35.35	1.45
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.09	
06 46 36 00-0084	LF 3-1/2" x 7-1/2" Custom Shaped Basswood	39.83	1.45
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.11	
06 46 36 00-0085	LF 3-1/2" x 8-1/2" Custom Shaped Basswood	44.45	1.55
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.15	
06 46 36 00-0086	LF 3-1/2" x 9-1/2" Custom Shaped Basswood	48.87	1.55
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0087 LF 3-1/2" x 10-1/2" Custom Shaped Basswood.....	53.34	1.55
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.20	
06 46 36 00-0088 LF 3-1/2" x 11-1/2" Custom Shaped Basswood.....	58.01	1.64
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.27	
06 46 36 00-0089 Birch <small>(06 46 36)</small>		
06 46 36 00-0090 LF 3/4" x 1-1/2" Custom Shaped Birch	4.97	1.07
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.78	
06 46 36 00-0091 LF 3/4" x 2-1/2" Custom Shaped Birch	5.85	1.07
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.81	
06 46 36 00-0092 LF 3/4" x 3-1/2" Custom Shaped Birch	6.76	1.07
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.83	
06 46 36 00-0093 LF 3/4" x 4-1/2" Custom Shaped Birch	7.64	1.16
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.86	
06 46 36 00-0094 LF 3/4" x 5-1/2" Custom Shaped Birch	8.65	1.16
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.91	
06 46 36 00-0095 LF 3/4" x 6-1/2" Custom Shaped Birch	9.65	1.26
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.96	
06 46 36 00-0096 LF 3/4" x 7-1/2" Custom Shaped Birch	10.53	1.26
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.98	
06 46 36 00-0097 LF 3/4" x 8-1/2" Custom Shaped Birch	11.44	1.26
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.01	
06 46 36 00-0098 LF 3/4" x 9-1/2" Custom Shaped Birch	12.29	1.35
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.02	
06 46 36 00-0099 LF 3/4" x 10-1/2" Custom Shaped Birch	13.30	1.35
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.07	
06 46 36 00-0100 LF 3/4" x 11-1/2" Custom Shaped Birch	14.24	1.45
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.11	
06 46 36 00-0101 LF 1" x 1-1/2" Custom Shaped Birch	5.58	1.07
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.80	
06 46 36 00-0102 LF 1" x 2-1/2" Custom Shaped Birch	6.72	1.07
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.83	
06 46 36 00-0103 LF 1" x 3-1/2" Custom Shaped Birch	7.87	1.16
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.85	
06 46 36 00-0104 LF 1" x 4-1/2" Custom Shaped Birch	9.03	1.16
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.88	
06 46 36 00-0105 LF 1" x 5-1/2" Custom Shaped Birch	10.29	1.26
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.93	
06 46 36 00-0106 LF 1" x 6-1/2" Custom Shaped Birch	11.53	1.26
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.98	
06 46 36 00-0107 LF 1" x 7-1/2" Custom Shaped Birch	12.67	1.26
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.00	
06 46 36 00-0108 LF 1" x 8-1/2" Custom Shaped Birch	13.85	1.35
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.03	
06 46 36 00-0109 LF 1" x 9-1/2" Custom Shaped Birch	14.96	1.35
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.04	
06 46 36 00-0110 LF 1" x 10-1/2" Custom Shaped Birch	16.21	1.45
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.10	
06 46 36 00-0111 LF 1" x 11-1/2" Custom Shaped Birch	17.41	1.45
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.13	
06 46 36 00-0112 LF 1-1/4" x 1-1/2" Custom Shaped Birch	6.30	1.07
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.83	
06 46 36 00-0113 LF 1-1/4" x 2-1/2" Custom Shaped Birch	7.77	1.07
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.85	
06 46 36 00-0114 LF 1-1/4" x 3-1/2" Custom Shaped Birch	9.23	1.16
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.88	
06 46 36 00-0115 LF 1-1/4" x 4-1/2" Custom Shaped Birch	10.69	1.16
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.90	
06 46 36 00-0116 LF 1-1/4" x 5-1/2" Custom Shaped Birch	12.26	1.26
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.95	
06 46 36 00-0117 LF 1-1/4" x 6-1/2" Custom Shaped Birch	13.84	1.26
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.00	
06 46 36 00-0118 LF 1-1/4" x 7-1/2" Custom Shaped Birch	15.28	1.35
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.02	
06 46 36 00-0119 LF 1-1/4" x 8-1/2" Custom Shaped Birch	16.77	1.35
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.05	
06 46 36 00-0120 LF 1-1/4" x 9-1/2" Custom Shaped Birch	18.19	1.35
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.06	
06 46 36 00-0121 LF 1-1/4" x 10-1/2" Custom Shaped Birch	19.78	1.45
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.12	
06 46 36 00-0122 LF 1-1/4" x 11-1/2" Custom Shaped Birch	21.30	1.55
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.16	
06 46 36 00-0123 LF 1-1/2" x 1-1/2" Custom Shaped Birch	7.40	1.07
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.85	
06 46 36 00-0124 LF 1-1/2" x 2-1/2" Custom Shaped Birch	9.36	1.16
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.87	
06 46 36 00-0125 LF 1-1/2" x 3-1/2" Custom Shaped Birch	11.32	1.16
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.90	
06 46 36 00-0126 LF 1-1/2" x 4-1/2" Custom Shaped Birch	13.28	1.26
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.92	
06 46 36 00-0127 LF 1-1/2" x 5-1/2" Custom Shaped Birch	15.26	1.26
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.95	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0128	LF	1-1/2"	x 6-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.42 1.02	1.35
06 46 36 00-0129	LF	1-1/2"	x 7-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.38 1.04	1.35
06 46 36 00-0130	LF	1-1/2"	x 8-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.36 1.07	1.35
06 46 36 00-0131	LF	1-1/2"	x 9-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.28 1.09	1.45
06 46 36 00-0132	LF	1-1/2"	x 10-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.61 1.14	1.45
06 46 36 00-0133	LF	1-1/2"	x 11-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	27.38 1.18	1.55
06 46 36 00-0134			Clear Western Cedar <small>(06 46 36)</small>		
06 46 36 00-0135	LF	3/4"	x 1-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	4.97 0.78	1.07
06 46 36 00-0136	LF	3/4"	x 2-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.85 0.81	1.07
06 46 36 00-0137	LF	3/4"	x 3-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.76 0.83	1.07
06 46 36 00-0138	LF	3/4"	x 4-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.64 0.86	1.16
06 46 36 00-0139	LF	3/4"	x 5-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.65 0.91	1.16
06 46 36 00-0140	LF	3/4"	x 6-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.65 0.96	1.26
06 46 36 00-0141	LF	1"	x 1-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.63 0.80	1.07
06 46 36 00-0142	LF	1"	x 2-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.81 0.83	1.07
06 46 36 00-0143	LF	1"	x 3-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.99 0.85	1.16
06 46 36 00-0144	LF	1"	x 4-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.17 0.88	1.16
06 46 36 00-0145	LF	1"	x 5-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.46 0.93	1.26
06 46 36 00-0146	LF	1"	x 6-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.74 0.98	1.26
06 46 36 00-0147	LF	1-1/4"	x 1-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.92 0.83	1.07
06 46 36 00-0148	LF	1-1/4"	x 2-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.69 0.85	1.07
06 46 36 00-0149	LF	1-1/4"	x 3-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.47 0.88	1.16
06 46 36 00-0150	LF	1-1/4"	x 4-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.23 0.90	1.16
06 46 36 00-0151	LF	1-1/4"	x 5-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.12 0.95	1.26
06 46 36 00-0152	LF	1-1/4"	x 6-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.00 1.00	1.26
06 46 36 00-0153	LF	1-1/2"	x 1-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.11 0.85	1.07
06 46 36 00-0154	LF	1-1/2"	x 2-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.94 0.87	1.16
06 46 36 00-0155	LF	1-1/2"	x 3-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.75 0.90	1.16
06 46 36 00-0156	LF	1-1/2"	x 4-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.57 0.92	1.26
06 46 36 00-0157	LF	1-1/2"	x 5-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.40 0.95	1.26
06 46 36 00-0158	LF	1-1/2"	x 6-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.43 1.02	1.35
06 46 36 00-0159	LF	3-1/2"	x 3-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.37 0.95	1.26
06 46 36 00-0160	LF	3-1/2"	x 4-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.36 1.00	1.26
06 46 36 00-0161	LF	3-1/2"	x 5-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	27.27 1.02	1.35
06 46 36 00-0162	LF	3-1/2"	x 6-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	31.35 1.09	1.45
06 46 36 00-0163	LF	3-1/2"	x 7-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	35.26 1.11	1.45
06 46 36 00-0164	LF	3-1/2"	x 8-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	39.26 1.15	1.55
06 46 36 00-0165	LF	3-1/2"	x 9-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	43.16 1.18	1.55
06 46 36 00-0166	LF	3-1/2"	x 10-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	47.06 1.20	1.55
06 46 36 00-0167	LF	3-1/2"	x 11-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	51.16 1.27	1.64

06 46 36 00-0168 Cherry (06 46 36)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0169 LF 3/4" x 1-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.73 0.78	1.07
06 46 36 00-0170 LF 3/4" x 2-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.00 0.81	1.07
06 46 36 00-0171 LF 3/4" x 3-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.28 0.83	1.07
06 46 36 00-0172 LF 3/4" x 4-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.55 0.86	1.16
06 46 36 00-0173 LF 3/4" x 5-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.93 0.91	1.16
06 46 36 00-0174 LF 3/4" x 6-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.32 0.96	1.26
06 46 36 00-0175 LF 3/4" x 7-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.57 0.98	1.26
06 46 36 00-0176 LF 3/4" x 8-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.87 1.01	1.26
06 46 36 00-0177 LF 3/4" x 9-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.09 1.02	1.35
06 46 36 00-0178 LF 3/4" x 10-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.49 1.07	1.35
06 46 36 00-0179 LF 3/4" x 11-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.80 1.11	1.45
06 46 36 00-0180 LF 1" x 1-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.58 0.80	1.07
06 46 36 00-0181 LF 1" x 2-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.24 0.83	1.07
06 46 36 00-0182 LF 1" x 3-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.89 0.85	1.16
06 46 36 00-0183 LF 1" x 4-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.55 0.88	1.16
06 46 36 00-0184 LF 1" x 5-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.31 0.93	1.26
06 46 36 00-0185 LF 1" x 6-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.07 0.98	1.26
06 46 36 00-0186 LF 1" x 7-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.72 1.00	1.26
06 46 36 00-0187 LF 1" x 8-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.42 1.03	1.35
06 46 36 00-0188 LF 1" x 9-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.00 1.04	1.35
06 46 36 00-0189 LF 1" x 10-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.77 1.10	1.45
06 46 36 00-0190 LF 1" x 11-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.48 1.13	1.45
06 46 36 00-0191 LF 1-1/4" x 1-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.51 0.83	1.07
06 46 36 00-0192 LF 1-1/4" x 2-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.60 0.85	1.07
06 46 36 00-0193 LF 1-1/4" x 3-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.66 0.88	1.16
06 46 36 00-0194 LF 1-1/4" x 4-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.73 0.90	1.16
06 46 36 00-0195 LF 1-1/4" x 5-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.90 0.95	1.26
06 46 36 00-0196 LF 1-1/4" x 6-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.10 1.00	1.26
06 46 36 00-0197 LF 1-1/4" x 7-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.14 1.02	1.35
06 46 36 00-0198 LF 1-1/4" x 8-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	22.24 1.05	1.35
06 46 36 00-0199 LF 1-1/4" x 9-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.25 1.06	1.35
06 46 36 00-0200 LF 1-1/4" x 10-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.46 1.12	1.45
06 46 36 00-0201 LF 1-1/4" x 11-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.57 1.16	1.55
06 46 36 00-0202 LF 1-1/2" x 1-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.21 0.85	1.07
06 46 36 00-0203 LF 1-1/2" x 2-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.08 0.87	1.16
06 46 36 00-0204 LF 1-1/2" x 3-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.93 0.90	1.16
06 46 36 00-0205 LF 1-1/2" x 4-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.80 0.92	1.26
06 46 36 00-0206 LF 1-1/2" x 5-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.68 0.95	1.26
06 46 36 00-0207 LF 1-1/2" x 6-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.75 1.02	1.35
06 46 36 00-0208 LF 1-1/2" x 7-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.61 1.04	1.35
06 46 36 00-0209 LF 1-1/2" x 8-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.50 1.07	1.35
06 46 36 00-0210 LF 1-1/2" x 9-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	32.32 1.09	1.45

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0211	LF		1-1/2" x 10-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	35.36 1.14	1.45
06 46 36 00-0212	LF		1-1/2" x 11-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	38.22 1.18	1.55
06 46 36 00-0213			Cypress <small>(06 46 36)</small>		
06 46 36 00-0214	LF		3/4" x 1-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	4.73 0.78	1.07
06 46 36 00-0215	LF		3/4" x 2-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.50 0.81	1.07
06 46 36 00-0216	LF		3/4" x 3-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.28 0.83	1.07
06 46 36 00-0217	LF		3/4" x 4-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.05 0.86	1.16
06 46 36 00-0218	LF		3/4" x 5-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.94 0.91	1.16
06 46 36 00-0219	LF		3/4" x 6-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.82 0.96	1.26
06 46 36 00-0220	LF		3/4" x 7-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.77 0.98	1.26
06 46 36 00-0221	LF		3/4" x 8-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.59 1.01	1.26
06 46 36 00-0222	LF		3/4" x 9-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.05 1.02	1.35
06 46 36 00-0223	LF		3/4" x 10-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.04 1.07	1.35
06 46 36 00-0224	LF		1" x 1-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.82 0.80	1.07
06 46 36 00-0225	LF		1" x 2-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.07 0.83	1.07
06 46 36 00-0226	LF		1" x 3-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.35 0.85	1.16
06 46 36 00-0227	LF		1" x 4-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.62 0.88	1.16
06 46 36 00-0228	LF		1" x 5-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.01 0.93	1.26
06 46 36 00-0229	LF		1" x 6-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.36 0.98	1.26
06 46 36 00-0230	LF		1" x 7-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.62 1.00	1.26
06 46 36 00-0231	LF		1" x 8-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.92 1.03	1.35
06 46 36 00-0232	LF		1" x 9-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.15 1.04	1.35
06 46 36 00-0233	LF		1" x 10-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.56 1.10	1.45
06 46 36 00-0234	LF		1" x 11-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.84 1.13	1.45
06 46 36 00-0235	LF		1-1/2" x 1-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.64 0.85	1.07
06 46 36 00-0236	LF		1-1/2" x 2-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.22 0.87	1.16
06 46 36 00-0237	LF		1-1/2" x 3-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.80 0.90	1.16
06 46 36 00-0238	LF		1-1/2" x 4-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.38 0.92	1.26
06 46 36 00-0239	LF		1-1/2" x 5-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.98 0.95	1.26
06 46 36 00-0240	LF		1-1/2" x 6-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.76 1.02	1.35
06 46 36 00-0241	LF		1-1/2" x 7-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.34 1.04	1.35
06 46 36 00-0242	LF		1-1/2" x 8-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.94 1.07	1.35
06 46 36 00-0243	LF		1-1/2" x 9-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.90 1.09	1.45
06 46 36 00-0244	LF		1-1/2" x 10-1/2" Custom Shaped Cypress..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	22.71 1.14	1.45
06 46 36 00-0245			Fir <small>(06 46 36)</small>		
06 46 36 00-0246	LF		3/4" x 1-1/2" Custom Shaped Fir..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.11 0.78	1.07
06 46 36 00-0247	LF		3/4" x 2-1/2" Custom Shaped Fir..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.07 0.81	1.07
06 46 36 00-0248	LF		3/4" x 3-1/2" Custom Shaped Fir..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.04 0.83	1.07
06 46 36 00-0249	LF		3/4" x 4-1/2" Custom Shaped Fir..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.00 0.86	1.16
06 46 36 00-0250	LF		3/4" x 5-1/2" Custom Shaped Fir..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.08 0.91	1.16
06 46 36 00-0251	LF		3/4" x 6-1/2" Custom Shaped Fir..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.15 0.96	1.26



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0252 LF 3/4" x 7-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.10 0.98	1.26
06 46 36 00-0253 LF 3/4" x 8-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.08 1.01	1.26
06 46 36 00-0254 LF 3/4" x 9-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.00 1.02	1.35
06 46 36 00-0255 LF 3/4" x 10-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.09 1.07	1.45
06 46 36 00-0256 LF 1" x 1-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.82 0.80	1.07
06 46 36 00-0257 LF 1" x 2-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.07 0.83	1.07
06 46 36 00-0258 LF 1" x 3-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.35 0.85	1.16
06 46 36 00-0259 LF 1" x 4-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.62 0.88	1.16
06 46 36 00-0260 LF 1" x 5-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.01 0.93	1.26
06 46 36 00-0261 LF 1" x 6-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.36 0.98	1.26
06 46 36 00-0262 LF 1" x 7-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.62 1.00	1.26
06 46 36 00-0263 LF 1" x 8-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.92 1.03	1.35
06 46 36 00-0264 LF 1" x 9-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.15 1.04	1.35
06 46 36 00-0265 LF 1" x 10-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.56 1.10	1.45
06 46 36 00-0266 LF 1" x 11-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.84 1.13	1.45
06 46 36 00-0267 LF 1-1/4" x 1-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.37 0.83	1.07
06 46 36 00-0268 LF 1-1/4" x 2-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.89 0.85	1.07
06 46 36 00-0269 LF 1-1/4" x 3-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.37 0.88	1.16
06 46 36 00-0270 LF 1-1/4" x 4-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.88 0.90	1.16
06 46 36 00-0271 LF 1-1/4" x 5-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.48 0.95	1.26
06 46 36 00-0272 LF 1-1/4" x 6-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.10 1.00	1.26
06 46 36 00-0273 LF 1-1/4" x 7-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.57 1.02	1.35
06 46 36 00-0274 LF 1-1/4" x 8-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.10 1.05	1.35
06 46 36 00-0275 LF 1-1/4" x 9-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.54 1.06	1.35
06 46 36 00-0276 LF 1-1/4" x 10-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.18 1.12	1.45
06 46 36 00-0277 LF 1-1/4" x 11-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.72 1.16	1.55
06 46 36 00-0278 LF 1-1/2" x 1-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.11 0.85	1.07
06 46 36 00-0279 LF 1-1/2" x 2-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.94 0.87	1.16
06 46 36 00-0280 LF 1-1/2" x 3-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.75 0.90	1.16
06 46 36 00-0281 LF 1-1/2" x 4-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.57 0.92	1.26
06 46 36 00-0282 LF 1-1/2" x 5-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.40 0.95	1.26
06 46 36 00-0283 LF 1-1/2" x 6-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.43 1.02	1.35
06 46 36 00-0284 LF 1-1/2" x 7-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.24 1.04	1.35
06 46 36 00-0285 LF 1-1/2" x 8-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.08 1.07	1.45
06 46 36 00-0286 LF 1-1/2" x 9-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.85 1.09	1.45
06 46 36 00-0287 LF 1-1/2" x 10-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.80 1.14	1.55
06 46 36 00-0288 LF 1-1/2" x 11-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.67 1.18	1.55
06 46 36 00-0289 LF 2-1/2" x 1-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.71 0.89	1.16
06 46 36 00-0290 LF 2-1/2" x 2-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.23 0.91	1.16
06 46 36 00-0291 LF 2-1/2" x 3-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.76 0.93	1.26
06 46 36 00-0292 LF 2-1/2" x 4-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.36 0.98	1.26
06 46 36 00-0293 LF 2-1/2" x 5-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.89 1.00	1.26



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
06 46 36 00-0294	LF	2-1/2" x 6-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.60 1.06	1.35
06 46 36 00-0295	LF	2-1/2" x 7-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	32.12 1.09	1.45
06 46 36 00-0296	LF	2-1/2" x 8-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	35.79 1.13	1.45
06 46 36 00-0297	LF	2-1/2" x 9-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	39.26 1.15	1.55
06 46 36 00-0298	LF	2-1/2" x 10-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	42.79 1.18	1.55
06 46 36 00-0299	LF	3-1/2" x 3-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.70 0.95	1.26
06 46 36 00-0300	LF	3-1/2" x 4-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.22 1.00	1.26
06 46 36 00-0301	LF	3-1/2" x 5-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	30.69 1.02	1.35
06 46 36 00-0302	LF	3-1/2" x 6-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	35.35 1.09	1.45
06 46 36 00-0303	LF	3-1/2" x 7-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	39.83 1.11	1.45
06 46 36 00-0304	LF	3-1/2" x 8-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	44.40 1.15	1.55
06 46 36 00-0305	LF	3-1/2" x 9-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	48.87 1.18	1.55
06 46 36 00-0306	LF	3-1/2" x 10-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	53.34 1.20	1.55
06 46 36 00-0307	Honduran Mahogany <small>(06 46 36)</small>			
06 46 36 00-0308	LF	3/4" x 1-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.02 0.78	1.07
06 46 36 00-0309	LF	3/4" x 2-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.42 0.81	1.07
06 46 36 00-0310	LF	3/4" x 3-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.85 0.83	1.07
06 46 36 00-0311	LF	3/4" x 4-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.26 0.86	1.16
06 46 36 00-0312	LF	3/4" x 5-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.79 0.91	1.16
06 46 36 00-0313	LF	3/4" x 6-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.32 0.96	1.26
06 46 36 00-0314	LF	3/4" x 7-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.71 0.98	1.26
06 46 36 00-0315	LF	3/4" x 8-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.15 1.01	1.35
06 46 36 00-0316	LF	3/4" x 9-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.52 1.02	1.35
06 46 36 00-0317	LF	3/4" x 10-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.06 1.07	1.45
06 46 36 00-0318	LF	3/4" x 11-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.52 1.11	1.45
06 46 36 00-0319	LF	1" x 1-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.01 0.80	1.07
06 46 36 00-0320	LF	1" x 2-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.86 0.83	1.07
06 46 36 00-0321	LF	1" x 3-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.73 0.85	1.16
06 46 36 00-0322	LF	1" x 4-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.60 0.88	1.16
06 46 36 00-0323	LF	1" x 5-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.57 0.93	1.26
06 46 36 00-0324	LF	1" x 6-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.52 0.98	1.26
06 46 36 00-0325	LF	1" x 7-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.38 1.00	1.35
06 46 36 00-0326	LF	1" x 8-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.27 1.03	1.35
06 46 36 00-0327	LF	1" x 9-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	22.09 1.04	1.35
06 46 36 00-0328	LF	1" x 10-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.06 1.10	1.45
06 46 36 00-0329	LF	1" x 11-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.21 1.13	1.45
06 46 36 00-0330	LF	1-1/4" x 1-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.80 0.83	1.07
06 46 36 00-0331	LF	1-1/4" x 2-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.03 0.85	1.07
06 46 36 00-0332	LF	1-1/4" x 3-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.23 0.88	1.16
06 46 36 00-0333	LF	1-1/4" x 4-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.44 0.90	1.16
06 46 36 00-0334	LF	1-1/4" x 5-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.76 0.95	1.26



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0335 LF 1-1/4" x 6-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.09 1.00	1.35
06 46 36 00-0336 LF 1-1/4" x 7-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.28 1.02	1.35
06 46 36 00-0337 LF 1-1/4" x 8-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.52 1.05	1.35
06 46 36 00-0338 LF 1-1/4" x 9-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.20 1.06	1.35
06 46 36 00-0339 LF 1-1/4" x 10-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.03 1.12	1.45
06 46 36 00-0340 LF 1-1/4" x 11-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	30.29 1.16	1.55
06 46 36 00-0341 LF 1-1/2" x 1-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.30 0.85	1.07
06 46 36 00-0342 LF 1-1/2" x 2-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.22 0.87	1.16
06 46 36 00-0343 LF 1-1/2" x 3-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.12 0.90	1.16
06 46 36 00-0344 LF 1-1/2" x 4-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.04 0.92	1.16
06 46 36 00-0345 LF 1-1/2" x 5-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.97 0.95	1.26
06 46 36 00-0346 LF 1-1/2" x 6-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.08 1.02	1.35
06 46 36 00-0347 LF 1-1/2" x 7-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.99 1.04	1.35
06 46 36 00-0348 LF 1-1/2" x 8-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.93 1.07	1.45
06 46 36 00-0349 LF 1-1/2" x 9-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	32.79 1.09	1.45
06 46 36 00-0350 LF 1-1/2" x 10-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	35.84 1.14	1.45
06 46 36 00-0351 LF 1-1/2" x 11-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	38.84 1.18	1.55
06 46 36 00-0352 LF 2" x 1-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.78 0.86	1.16
06 46 36 00-0353 LF 2" x 2-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.39 0.89	1.16
06 46 36 00-0354 LF 2" x 3-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.99 0.91	1.16
06 46 36 00-0355 LF 2" x 4-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.69 0.95	1.26
06 46 36 00-0356 LF 2" x 5-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.30 0.98	1.26
06 46 36 00-0357 LF 2" x 6-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.10 1.04	1.35
06 46 36 00-0358 LF 2" x 7-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	32.69 1.06	1.35
06 46 36 00-0359 LF 2" x 8-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	36.40 1.11	1.45
06 46 36 00-0360 LF 2" x 9-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	40.00 1.13	1.45
06 46 36 00-0361 LF 2" x 10-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	43.62 1.15	1.55
06 46 36 00-0362 LF 2" x 11-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	47.40 1.22	1.64
06 46 36 00-0363 LF 2-1/2" x 1-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.90 0.89	1.16
06 46 36 00-0364 LF 2-1/2" x 2-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.80 0.91	1.16
06 46 36 00-0365 LF 2-1/2" x 3-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.18 0.93	1.26
06 46 36 00-0366 LF 2-1/2" x 4-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.64 0.98	1.26
06 46 36 00-0367 LF 2-1/2" x 5-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	30.02 1.00	1.26
06 46 36 00-0368 LF 2-1/2" x 6-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	34.59 1.06	1.35
06 46 36 00-0369 LF 2-1/2" x 7-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	38.96 1.09	1.45
06 46 36 00-0370 LF 2-1/2" x 8-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	43.45 1.13	1.45
06 46 36 00-0371 LF 2-1/2" x 9-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	47.83 1.15	1.55
06 46 36 00-0372 LF 2-1/2" x 10-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	52.21 1.18	1.55
06 46 36 00-0373 LF 2-1/2" x 11-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	56.78 1.24	1.64
06 46 36 00-0374 LF 3-1/2" x 3-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.12 0.95	1.26
06 46 36 00-0375 LF 3-1/2" x 4-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	34.30 1.00	1.26
06 46 36 00-0376 LF 3-1/2" x 5-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	40.40 1.02	1.35

06 Wood, Plastics, and Composites

06 40 Architectural Woodwork

06 46 Wood Trim



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 46 36 00-0377	LF	3-1/2" x 6-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	46.67 1.09	1.45
06 46 36 00-0378	LF	3-1/2" x 7-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	52.76 1.11	1.45
06 46 36 00-0379	LF	3-1/2" x 8-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	58.96 1.15	1.55
06 46 36 00-0380	LF	3-1/2" x 9-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	65.04 1.18	1.55
06 46 36 00-0381	LF	3-1/2" x 10-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	71.13 1.20	1.55
06 46 36 00-0382	LF	3-1/2" x 11-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	77.41 1.27	1.64

06 46 36 00-0383 Maple^(06 46 36)

06 46 36 00-0384	LF	3/4" x 1-1/2" Custom Shaped Maple	4.92	1.07
06 46 36 00-0385	LF	3/4" x 2-1/2" Custom Shaped Maple	5.78	1.07
06 46 36 00-0386	LF	3/4" x 3-1/2" Custom Shaped Maple	6.66	1.07
06 46 36 00-0387	LF	3/4" x 4-1/2" Custom Shaped Maple	7.52	1.16
06 46 36 00-0388	LF	3/4" x 5-1/2" Custom Shaped Maple	8.51	1.16
06 46 36 00-0389	LF	3/4" x 6-1/2" Custom Shaped Maple	9.49	1.26
06 46 36 00-0390	LF	3/4" x 7-1/2" Custom Shaped Maple	10.34	1.26
06 46 36 00-0391	LF	3/4" x 8-1/2" Custom Shaped Maple	11.23	1.26
06 46 36 00-0392	LF	3/4" x 9-1/2" Custom Shaped Maple	12.05	1.35
06 46 36 00-0393	LF	3/4" x 10-1/2" Custom Shaped Maple	13.04	1.45
06 46 36 00-0394	LF	3/4" x 11-1/2" Custom Shaped Maple	13.95	1.45
06 46 36 00-0395	LF	1" x 1-1/2" Custom Shaped Maple	5.58	1.07
06 46 36 00-0396	LF	1" x 2-1/2" Custom Shaped Maple	6.72	1.07
06 46 36 00-0397	LF	1" x 3-1/2" Custom Shaped Maple	7.87	1.16
06 46 36 00-0398	LF	1" x 4-1/2" Custom Shaped Maple	9.03	1.16
06 46 36 00-0399	LF	1" x 5-1/2" Custom Shaped Maple	10.29	1.26
06 46 36 00-0400	LF	1" x 6-1/2" Custom Shaped Maple	11.53	1.26
06 46 36 00-0401	LF	1" x 7-1/2" Custom Shaped Maple	12.67	1.26
06 46 36 00-0402	LF	1" x 8-1/2" Custom Shaped Maple	13.85	1.35
06 46 36 00-0403	LF	1" x 9-1/2" Custom Shaped Maple	14.96	1.35
06 46 36 00-0404	LF	1" x 10-1/2" Custom Shaped Maple	15.73	1.45
06 46 36 00-0405	LF	1" x 11-1/2" Custom Shaped Maple	17.41	1.45
06 46 36 00-0406	LF	1-1/4" x 1-1/2" Custom Shaped Maple	6.16	1.07
06 46 36 00-0407	LF	1-1/4" x 2-1/2" Custom Shaped Maple	7.55	1.07
06 46 36 00-0408	LF	1-1/4" x 3-1/2" Custom Shaped Maple	8.95	1.16
06 46 36 00-0409	LF	1-1/4" x 4-1/2" Custom Shaped Maple	10.33	1.16
06 46 36 00-0410	LF	1-1/4" x 5-1/2" Custom Shaped Maple	11.83	1.26
06 46 36 00-0411	LF	1-1/4" x 6-1/2" Custom Shaped Maple	13.34	1.26
06 46 36 00-0412	LF	1-1/4" x 7-1/2" Custom Shaped Maple	14.71	1.35
06 46 36 00-0413	LF	1-1/4" x 8-1/2" Custom Shaped Maple	16.13	1.35
06 46 36 00-0414	LF	1-1/4" x 9-1/2" Custom Shaped Maple	17.47	1.35
06 46 36 00-0415	LF	1-1/4" x 10-1/2" Custom Shaped Maple	19.00	1.45
06 46 36 00-0416	LF	1-1/4" x 11-1/2" Custom Shaped Maple	20.44	1.55
06 46 36 00-0417	LF	1-1/2" x 1-1/2" Custom Shaped Maple	7.30	1.07
06 46 36 00-0418	LF	1-1/2" x 2-1/2" Custom Shaped Maple	9.22	1.16
06 46 36 00-0419	LF	1-1/2" x 3-1/2" Custom Shaped Maple	11.13	1.16
06 46 36 00-0420	LF	1-1/2" x 4-1/2" Custom Shaped Maple	13.05	1.26
06 46 36 00-0421	LF	1-1/2" x 5-1/2" Custom Shaped Maple	14.97	1.26
06 46 36 00-0422	LF	1-1/2" x 6-1/2" Custom Shaped Maple	17.09	1.35
06 46 36 00-0423	LF	1-1/2" x 7-1/2" Custom Shaped Maple	19.00	1.35
06 46 36 00-0424	LF	1-1/2" x 8-1/2" Custom Shaped Maple	21.17	1.45
06 46 36 00-0425	LF	1-1/2" x 9-1/2" Custom Shaped Maple	22.80	1.45
06 46 36 00-0426	LF	1-1/2" x 10-1/2" Custom Shaped Maple	24.90	1.55
06 46 36 00-0427	LF	1-1/2" x 11-1/2" Custom Shaped Maple	26.81	1.55
06 46 36 00-0428	LF	2" x 1-1/2" Custom Shaped Maple	9.11	1.16
06 46 36 00-0429	LF	2" x 2-1/2" Custom Shaped Maple	11.90	1.16
06 46 36 00-0430	LF	2" x 3-1/2" Custom Shaped Maple	14.66	1.16
06 46 36 00-0431	LF	2" x 4-1/2" Custom Shaped Maple	17.53	1.26
06 46 36 00-0432	LF	2" x 5-1/2" Custom Shaped Maple	20.30	1.26
06 46 36 00-0433	LF	2" x 6-1/2" Custom Shaped Maple	23.27	1.35
06 46 36 00-0434	LF	2" x 7-1/2" Custom Shaped Maple	26.03	1.35
06 46 36 00-0435	LF	2" x 8-1/2" Custom Shaped Maple	28.91	1.45
06 46 36 00-0436	LF	2" x 9-1/2" Custom Shaped Maple	31.67	1.45
06 46 36 00-0437	LF	2" x 10-1/2" Custom Shaped Maple	34.46	1.55
06 46 36 00-0438	LF	2" x 11-1/2" Custom Shaped Maple	37.65	1.64
06 46 36 00-0439	LF	3-1/2" x 3-1/2" Custom Shaped Maple	30.02	1.26
06 46 36 00-0440	LF	3-1/2" x 4-1/2" Custom Shaped Maple	36.68	1.26
06 46 36 00-0441	LF	3-1/2" x 5-1/2" Custom Shaped Maple	43.25	1.35
06 46 36 00-0442	LF	3-1/2" x 6-1/2" Custom Shaped Maple	50.00	1.45
06 46 36 00-0443	LF	3-1/2" x 7-1/2" Custom Shaped Maple	56.57	1.45
06 46 36 00-0444	LF	3-1/2" x 8-1/2" Custom Shaped Maple	63.24	1.55
06 46 36 00-0445	LF	3-1/2" x 9-1/2" Custom Shaped Maple	69.79	1.55
06 46 36 00-0446	LF	3-1/2" x 10-1/2" Custom Shaped Maple	76.36	1.55
06 46 36 00-0447	LF	3-1/2" x 11-1/2" Custom Shaped Maple	83.12	1.64

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 46 36 00-0526	LF	1-1/4" x 11-1/2" Custom Shaped Red Oak	26.00	1.55
06 46 36 00-0527	LF	1-1/2" x 1-1/2" Custom Shaped Red Oak	9.30	1.07
06 46 36 00-0528	LF	1-1/2" x 2-1/2" Custom Shaped Red Oak	12.22	1.16
06 46 36 00-0529	LF	1-1/2" x 3-1/2" Custom Shaped Red Oak	15.12	1.16
06 46 36 00-0530	LF	1-1/2" x 4-1/2" Custom Shaped Red Oak	18.04	1.16
06 46 36 00-0531	LF	1-1/2" x 5-1/2" Custom Shaped Red Oak	20.97	1.26
06 46 36 00-0532	LF	1-1/2" x 6-1/2" Custom Shaped Red Oak	24.13	1.35
06 46 36 00-0533	LF	1-1/2" x 7-1/2" Custom Shaped Red Oak	26.99	1.35
06 46 36 00-0534	LF	1-1/2" x 8-1/2" Custom Shaped Red Oak	30.40	1.45
06 46 36 00-0535	LF	1-1/2" x 9-1/2" Custom Shaped Red Oak	32.79	1.45
06 46 36 00-0536	LF	1-1/2" x 10-1/2" Custom Shaped Red Oak	35.84	1.45
06 46 36 00-0537	LF	1-1/2" x 11-1/2" Custom Shaped Red Oak	38.79	1.55
06 46 36 00-0538	LF	2" x 1-1/2" Custom Shaped Red Oak	13.39	1.16
06 46 36 00-0539	LF	2" x 2-1/2" Custom Shaped Red Oak	18.32	1.16
06 46 36 00-0540	LF	2" x 3-1/2" Custom Shaped Red Oak	23.22	1.16
06 46 36 00-0541	LF	2" x 4-1/2" Custom Shaped Red Oak	28.23	1.26
06 46 36 00-0542	LF	2" x 5-1/2" Custom Shaped Red Oak	33.14	1.26
06 46 36 00-0543	LF	2" x 6-1/2" Custom Shaped Red Oak	38.25	1.35
06 46 36 00-0544	LF	2" x 7-1/2" Custom Shaped Red Oak	43.16	1.35
06 46 36 00-0545	LF	2" x 8-1/2" Custom Shaped Red Oak	48.17	1.45
06 46 36 00-0546	LF	2" x 9-1/2" Custom Shaped Red Oak	53.08	1.45
06 46 36 00-0547	LF	2" x 10-1/2" Custom Shaped Red Oak	58.00	1.55
06 46 36 00-0548	LF	2" x 11-1/2" Custom Shaped Red Oak	63.10	1.64

06 46 36 00-0549 White Oak (06 46 36)

06 46 36 00-0550	LF	3/4" x 1-1/2" Custom Shaped White Oak	5.25	1.07
06 46 36 00-0551	LF	3/4" x 2-1/2" Custom Shaped White Oak	6.28	1.07
06 46 36 00-0552	LF	3/4" x 3-1/2" Custom Shaped White Oak	7.33	1.07
06 46 36 00-0553	LF	3/4" x 4-1/2" Custom Shaped White Oak	8.36	1.16
06 46 36 00-0554	LF	3/4" x 5-1/2" Custom Shaped White Oak	9.50	1.16
06 46 36 00-0555	LF	3/4" x 6-1/2" Custom Shaped White Oak	10.65	1.26
06 46 36 00-0556	LF	3/4" x 7-1/2" Custom Shaped White Oak	11.67	1.26
06 46 36 00-0557	LF	3/4" x 8-1/2" Custom Shaped White Oak	12.73	1.26
06 46 36 00-0558	LF	3/4" x 9-1/2" Custom Shaped White Oak	13.71	1.35
06 46 36 00-0559	LF	3/4" x 10-1/2" Custom Shaped White Oak	14.87	1.45
06 46 36 00-0560	LF	3/4" x 11-1/2" Custom Shaped White Oak	15.95	1.45
06 46 36 00-0561	LF	1" x 1-1/2" Custom Shaped White Oak	5.99	1.07
06 46 36 00-0562	LF	1" x 2-1/2" Custom Shaped White Oak	7.36	1.07
06 46 36 00-0563	LF	1" x 3-1/2" Custom Shaped White Oak	8.70	1.16
06 46 36 00-0564	LF	1" x 4-1/2" Custom Shaped White Oak	10.55	1.16
06 46 36 00-0565	LF	1" x 5-1/2" Custom Shaped White Oak	11.53	1.26
06 46 36 00-0566	LF	1" x 6-1/2" Custom Shaped White Oak	13.00	1.26
06 46 36 00-0567	LF	1" x 7-1/2" Custom Shaped White Oak	14.34	1.26
06 46 36 00-0568	LF	1" x 8-1/2" Custom Shaped White Oak	15.70	1.35
06 46 36 00-0569	LF	1" x 9-1/2" Custom Shaped White Oak	17.02	1.35
06 46 36 00-0570	LF	1" x 10-1/2" Custom Shaped White Oak	18.52	1.45
06 46 36 00-0571	LF	1" x 11-1/2" Custom Shaped White Oak	19.91	1.45
06 46 36 00-0572	LF	1-1/4" x 1-1/2" Custom Shaped White Oak	7.16	1.07
06 46 36 00-0573	LF	1-1/4" x 2-1/2" Custom Shaped White Oak	9.05	1.07
06 46 36 00-0574	LF	1-1/4" x 3-1/2" Custom Shaped White Oak	10.94	1.16
06 46 36 00-0575	LF	1-1/4" x 4-1/2" Custom Shaped White Oak	12.83	1.16
06 46 36 00-0576	LF	1-1/4" x 5-1/2" Custom Shaped White Oak	14.83	1.26
06 46 36 00-0577	LF	1-1/4" x 6-1/2" Custom Shaped White Oak	16.83	1.26
06 46 36 00-0578	LF	1-1/4" x 7-1/2" Custom Shaped White Oak	18.71	1.35
06 46 36 00-0579	LF	1-1/4" x 8-1/2" Custom Shaped White Oak	20.62	1.35
06 46 36 00-0580	LF	1-1/4" x 9-1/2" Custom Shaped White Oak	22.47	1.35
06 46 36 00-0581	LF	1-1/4" x 10-1/2" Custom Shaped White Oak	24.49	1.45
06 46 36 00-0582	LF	1-1/4" x 11-1/2" Custom Shaped White Oak	26.43	1.55
06 46 36 00-0583	LF	1-1/2" x 1-1/2" Custom Shaped White Oak	10.73	1.07
06 46 36 00-0584	LF	1-1/2" x 2-1/2" Custom Shaped White Oak	14.36	1.16
06 46 36 00-0585	LF	1-1/2" x 3-1/2" Custom Shaped White Oak	17.98	1.16
06 46 36 00-0586	LF	1-1/2" x 4-1/2" Custom Shaped White Oak	21.61	1.26
06 46 36 00-0587	LF	1-1/2" x 5-1/2" Custom Shaped White Oak	25.25	1.26
06 46 36 00-0588	LF	1-1/2" x 6-1/2" Custom Shaped White Oak	29.08	1.35
06 46 36 00-0589	LF	1-1/2" x 7-1/2" Custom Shaped White Oak	32.70	1.35
06 46 36 00-0590	LF	1-1/2" x 8-1/2" Custom Shaped White Oak	36.35	1.45
06 46 36 00-0591	LF	1-1/2" x 9-1/2" Custom Shaped White Oak	39.45	1.45
06 46 36 00-0592	LF	1-1/2" x 10-1/2" Custom Shaped White Oak	43.69	1.55
06 46 36 00-0593	LF	1-1/2" x 11-1/2" Custom Shaped White Oak	47.35	1.55

06 46 36 00-0594 White Pine (06 46 36)

06 46 36 00-0595	LF	3/4" x 1-1/2" Custom Shaped White Pine	5.68	1.07
06 46 36 00-0596	LF	3/4" x 2-1/2" Custom Shaped White Pine	6.92	1.07
06 46 36 00-0597	LF	3/4" x 3-1/2" Custom Shaped White Pine	8.19	1.07
06 46 36 00-0598	LF	3/4" x 4-1/2" Custom Shaped White Pine	9.43	1.16
06 46 36 00-0599	LF	3/4" x 5-1/2" Custom Shaped White Pine	10.79	1.16
06 46 36 00-0600	LF	3/4" x 6-1/2" Custom Shaped White Pine	12.15	1.26
06 46 36 00-0601	LF	3/4" x 7-1/2" Custom Shaped White Pine	13.38	1.26
06 46 36 00-0602	LF	3/4" x 8-1/2" Custom Shaped White Pine	14.65	1.26



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
06 46 36 00-0603	LF	3/4" x 9-1/2" Custom Shaped White Pine	16.57	1.35
06 46 36 00-0604	LF	3/4" x 10-1/2" Custom Shaped White Pine	18.01	1.45
06 46 36 00-0605	LF	1" x 1-1/2" Custom Shaped White Pine	6.22	1.07
06 46 36 00-0606	LF	1" x 2-1/2" Custom Shaped White Pine	7.71	1.07
06 46 36 00-0607	LF	1" x 3-1/2" Custom Shaped White Pine	9.18	1.16
06 46 36 00-0608	LF	1" x 4-1/2" Custom Shaped White Pine	10.67	1.16
06 46 36 00-0609	LF	1" x 5-1/2" Custom Shaped White Pine	12.24	1.26
06 46 36 00-0610	LF	1" x 6-1/2" Custom Shaped White Pine	13.83	1.26
06 46 36 00-0611	LF	1" x 7-1/2" Custom Shaped White Pine	15.29	1.26
06 46 36 00-0612	LF	1" x 8-1/2" Custom Shaped White Pine	16.80	1.35
06 46 36 00-0613	LF	1" x 9-1/2" Custom Shaped White Pine	18.21	1.35
06 46 36 00-0614	LF	1" x 10-1/2" Custom Shaped White Pine	19.82	1.45
06 46 36 00-0615	LF	1" x 11-1/2" Custom Shaped White Pine	21.34	1.45
06 46 36 00-0616	LF	1-1/4" x 1-1/2" Custom Shaped White Pine	6.87	1.07
06 46 36 00-0617	LF	1-1/4" x 2-1/2" Custom Shaped White Pine	8.62	1.07
06 46 36 00-0618	LF	1-1/4" x 3-1/2" Custom Shaped White Pine	10.42	1.16
06 46 36 00-0619	LF	1-1/4" x 4-1/2" Custom Shaped White Pine	12.11	1.16
06 46 36 00-0620	LF	1-1/4" x 5-1/2" Custom Shaped White Pine	13.98	1.26
06 46 36 00-0621	LF	1-1/4" x 6-1/2" Custom Shaped White Pine	15.84	1.26
06 46 36 00-0622	LF	1-1/4" x 7-1/2" Custom Shaped White Pine	17.57	1.35
06 46 36 00-0623	LF	1-1/4" x 8-1/2" Custom Shaped White Pine	19.34	1.35
06 46 36 00-0624	LF	1-1/4" x 9-1/2" Custom Shaped White Pine	21.04	1.35
06 46 36 00-0625	LF	1-1/4" x 10-1/2" Custom Shaped White Pine	22.92	1.45
06 46 36 00-0626	LF	1-1/4" x 11-1/2" Custom Shaped White Pine	24.72	1.55
06 46 36 00-0627	LF	1-1/2" x 1-1/2" Custom Shaped White Pine	8.26	1.07
06 46 36 00-0628	LF	1-1/2" x 2-1/2" Custom Shaped White Pine	10.65	1.16
06 46 36 00-0629	LF	1-1/2" x 3-1/2" Custom Shaped White Pine	13.03	1.16
06 46 36 00-0630	LF	1-1/2" x 4-1/2" Custom Shaped White Pine	15.42	1.26
06 46 36 00-0631	LF	1-1/2" x 5-1/2" Custom Shaped White Pine	17.83	1.26
06 46 36 00-0632	LF	1-1/2" x 6-1/2" Custom Shaped White Pine	20.42	1.35
06 46 36 00-0633	LF	1-1/2" x 7-1/2" Custom Shaped White Pine	22.80	1.35
06 46 36 00-0634	LF	1-1/2" x 8-1/2" Custom Shaped White Pine	25.22	1.45
06 46 36 00-0635	LF	1-1/2" x 9-1/2" Custom Shaped White Pine	28.04	1.45
06 46 36 00-0636	LF	1-1/2" x 10-1/2" Custom Shaped White Pine	30.08	1.55
06 46 36 00-0637	LF	1-1/2" x 11-1/2" Custom Shaped White Pine	32.52	1.55
06 46 36 00-0638	LF	2" x 1-1/2" Custom Shaped White Pine	11.85	1.16
06 46 36 00-0639	LF	2" x 2-1/2" Custom Shaped White Pine	15.99	1.16
06 46 36 00-0640	LF	2" x 3-1/2" Custom Shaped White Pine	20.13	1.16
06 46 36 00-0641	LF	2" x 4-1/2" Custom Shaped White Pine	24.35	1.26
06 46 36 00-0642	LF	2" x 5-1/2" Custom Shaped White Pine	28.51	1.26
06 46 36 00-0643	LF	2" x 6-1/2" Custom Shaped White Pine	32.83	1.35
06 46 36 00-0644	LF	2" x 7-1/2" Custom Shaped White Pine	36.97	1.35
06 46 36 00-0645	LF	2" x 8-1/2" Custom Shaped White Pine	41.20	1.45
06 46 36 00-0646	LF	2" x 9-1/2" Custom Shaped White Pine	45.35	1.45
06 46 36 00-0647	LF	2" x 10-1/2" Custom Shaped White Pine	49.49	1.55
06 46 36 00-0648	LF	2" x 11-1/2" Custom Shaped White Pine	53.82	1.64
06 46 36 00-0649	LF	2-1/2" x 1-1/2" Custom Shaped White Pine	13.85	1.16
06 46 36 00-0650	LF	2-1/2" x 2-1/2" Custom Shaped White Pine	18.94	1.16
06 46 36 00-0651	LF	2-1/2" x 3-1/2" Custom Shaped White Pine	24.04	1.26
06 46 36 00-0652	LF	2-1/2" x 4-1/2" Custom Shaped White Pine	29.21	1.26
06 46 36 00-0653	LF	2-1/2" x 5-1/2" Custom Shaped White Pine	34.30	1.26
06 46 36 00-0654	LF	2-1/2" x 6-1/2" Custom Shaped White Pine	39.59	1.35
06 46 36 00-0655	LF	2-1/2" x 7-1/2" Custom Shaped White Pine	44.67	1.45
06 46 36 00-0656	LF	2-1/2" x 8-1/2" Custom Shaped White Pine	49.87	1.45
06 46 36 00-0657	LF	2-1/2" x 9-1/2" Custom Shaped White Pine	54.96	1.55
06 46 36 00-0658	LF	2-1/2" x 10-1/2" Custom Shaped White Pine	60.05	1.55
06 46 36 00-0659	LF	2-1/2" x 11-1/2" Custom Shaped White Pine	65.34	1.64
06 46 36 00-0660	LF	3-1/2" x 3-1/2" Custom Shaped White Pine	32.69	1.26
06 46 36 00-0661	LF	3-1/2" x 4-1/2" Custom Shaped White Pine	40.01	1.26
06 46 36 00-0662	LF	3-1/2" x 5-1/2" Custom Shaped White Pine	47.25	1.35
06 46 36 00-0663	LF	3-1/2" x 6-1/2" Custom Shaped White Pine	54.66	1.45
06 46 36 00-0664	LF	3-1/2" x 7-1/2" Custom Shaped White Pine	61.89	1.45
06 46 36 00-0665	LF	3-1/2" x 8-1/2" Custom Shaped White Pine	69.23	1.55
06 46 36 00-0666	LF	3-1/2" x 9-1/2" Custom Shaped White Pine	76.45	1.55
06 46 36 00-0667	LF	3-1/2" x 10-1/2" Custom Shaped White Pine	83.69	1.55
06 46 36 00-0668	LF	3-1/2" x 11-1/2" Custom Shaped White Pine	91.11	1.64

06 46 36 00-0669

Clear Yellow Pine (06 46 36)

06 46 36 00-0670	LF	3/4" x 1-1/2" Custom Shaped "C" Y Pine	4.35	1.07
06 46 36 00-0671	LF	3/4" x 2-1/2" Custom Shaped "C" Y Pine	4.93	1.07
06 46 36 00-0672	LF	3/4" x 3-1/2" Custom Shaped "C" Y Pine	5.52	1.07
06 46 36 00-0673	LF	3/4" x 4-1/2" Custom Shaped "C" Y Pine	6.10	1.16
06 46 36 00-0674	LF	3/4" x 5-1/2" Custom Shaped "C" Y Pine	6.79	1.16
06 46 36 00-0675	LF	3/4" x 6-1/2" Custom Shaped "C" Y Pine	7.49	1.26
06 46 36 00-0676	LF	3/4" x 7-1/2" Custom Shaped "C" Y Pine	8.05	1.26
06 46 36 00-0677	LF	3/4" x 8-1/2" Custom Shaped "C" Y Pine	8.66	1.26
06 46 36 00-0678	LF	1" x 1-1/2" Custom Shaped "C" Y Pine	4.80	1.07
06 46 36 00-0679	LF	1" x 2-1/2" Custom Shaped "C" Y Pine	5.57	1.07
06 46 36 00-0680	LF	1" x 3-1/2" Custom Shaped "C" Y Pine	6.33	1.16
06 46 36 00-0681	LF	1" x 4-1/2" Custom Shaped "C" Y Pine	7.10	1.16

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 46 36 00-0682	LF	1" x 5-1/2" Custom Shaped "C" Y Pine	7.96	1.26
06 46 36 00-0683	LF	1" x 6-1/2" Custom Shaped "C" Y Pine	8.84	1.26
06 46 36 00-0684	LF	1" x 7-1/2" Custom Shaped "C" Y Pine	9.82	1.26
06 46 36 00-0685	LF	1" x 8-1/2" Custom Shaped "C" Y Pine	10.64	1.35
06 46 36 00-0686	LF	1-1/2" x 1-1/2" Custom Shaped "C" Y Pine	5.40	1.07
06 46 36 00-0687	LF	1-1/2" x 2-1/2" Custom Shaped "C" Y Pine	6.37	1.16
06 46 36 00-0688	LF	1-1/2" x 3-1/2" Custom Shaped "C" Y Pine	7.32	1.16
06 46 36 00-0689	LF	1-1/2" x 4-1/2" Custom Shaped "C" Y Pine	8.29	1.26
06 46 36 00-0690	LF	1-1/2" x 5-1/2" Custom Shaped "C" Y Pine	9.27	1.26
06 46 36 00-0691	LF	1-1/2" x 6-1/2" Custom Shaped "C" Y Pine	10.43	1.35
06 46 36 00-0692	LF	1-1/2" x 7-1/2" Custom Shaped "C" Y Pine	11.39	1.35
06 46 36 00-0693	LF	1-1/2" x 8-1/2" Custom Shaped "C" Y Pine	12.37	1.45
06 46 36 00-0694	LF	1-1/2" x 9-1/2" Custom Shaped "C" Y Pine	14.00	1.45
06 46 36 00-0695	LF	1-1/2" x 10-1/2" Custom Shaped "C" Y Pine	14.48	1.55

06 46 36 00-0696 Poplar (06 46 36)

06 46 36 00-0697	LF	3/4" x 1-1/2" Custom Shaped Poplar	4.49	1.07
06 46 36 00-0698	LF	3/4" x 2-1/2" Custom Shaped Poplar	5.14	1.07
06 46 36 00-0699	LF	3/4" x 3-1/2" Custom Shaped Poplar	5.81	1.07
06 46 36 00-0700	LF	3/4" x 4-1/2" Custom Shaped Poplar	6.45	1.16
06 46 36 00-0701	LF	3/4" x 5-1/2" Custom Shaped Poplar	7.22	1.16
06 46 36 00-0702	LF	3/4" x 6-1/2" Custom Shaped Poplar	7.99	1.26
06 46 36 00-0703	LF	3/4" x 7-1/2" Custom Shaped Poplar	8.63	1.26
06 46 36 00-0704	LF	3/4" x 8-1/2" Custom Shaped Poplar	9.30	1.26
06 46 36 00-0705	LF	3/4" x 9-1/2" Custom Shaped Poplar	9.91	1.35
06 46 36 00-0706	LF	3/4" x 10-1/2" Custom Shaped Poplar	10.69	1.45
06 46 36 00-0707	LF	3/4" x 11-1/2" Custom Shaped Poplar	11.43	1.45
06 46 36 00-0708	LF	1" x 1-1/2" Custom Shaped Poplar	4.99	1.07
06 46 36 00-0709	LF	1" x 2-1/2" Custom Shaped Poplar	5.84	1.07
06 46 36 00-0710	LF	1" x 3-1/2" Custom Shaped Poplar	6.68	1.16
06 46 36 00-0711	LF	1" x 4-1/2" Custom Shaped Poplar	7.53	1.16
06 46 36 00-0712	LF	1" x 5-1/2" Custom Shaped Poplar	8.51	1.26
06 46 36 00-0713	LF	1" x 6-1/2" Custom Shaped Poplar	9.46	1.26
06 46 36 00-0714	LF	1" x 7-1/2" Custom Shaped Poplar	10.30	1.26
06 46 36 00-0715	LF	1" x 8-1/2" Custom Shaped Poplar	11.16	1.35
06 46 36 00-0716	LF	1" x 9-1/2" Custom Shaped Poplar	11.98	1.35
06 46 36 00-0717	LF	1" x 10-1/2" Custom Shaped Poplar	12.95	1.45
06 46 36 00-0718	LF	1" x 11-1/2" Custom Shaped Poplar	13.85	1.45
06 46 36 00-0719	LF	1-1/4" x 1-1/2" Custom Shaped Poplar	5.44	1.07
06 46 36 00-0720	LF	1-1/4" x 2-1/2" Custom Shaped Poplar	6.48	1.07
06 46 36 00-0721	LF	1-1/4" x 3-1/2" Custom Shaped Poplar	7.52	1.16
06 46 36 00-0722	LF	1-1/4" x 4-1/2" Custom Shaped Poplar	8.55	1.16
06 46 36 00-0723	LF	1-1/4" x 5-1/2" Custom Shaped Poplar	9.69	1.26
06 46 36 00-0724	LF	1-1/4" x 6-1/2" Custom Shaped Poplar	10.84	1.26
06 46 36 00-0725	LF	1-1/4" x 7-1/2" Custom Shaped Poplar	11.86	1.35
06 46 36 00-0726	LF	1-1/4" x 8-1/2" Custom Shaped Poplar	12.92	1.35
06 46 36 00-0727	LF	1-1/4" x 9-1/2" Custom Shaped Poplar	13.90	1.35
06 46 36 00-0728	LF	1-1/4" x 10-1/2" Custom Shaped Poplar	15.07	1.45
06 46 36 00-0729	LF	1-1/4" x 11-1/2" Custom Shaped Poplar	16.16	1.55
06 46 36 00-0730	LF	1-1/2" x 1-1/2" Custom Shaped Poplar	6.45	1.07
06 46 36 00-0731	LF	1-1/2" x 2-1/2" Custom Shaped Poplar	7.94	1.16
06 46 36 00-0732	LF	1-1/2" x 3-1/2" Custom Shaped Poplar	9.42	1.16
06 46 36 00-0733	LF	1-1/2" x 4-1/2" Custom Shaped Poplar	10.91	1.26
06 46 36 00-0734	LF	1-1/2" x 5-1/2" Custom Shaped Poplar	12.41	1.26
06 46 36 00-0735	LF	1-1/2" x 6-1/2" Custom Shaped Poplar	14.10	1.35
06 46 36 00-0736	LF	1-1/2" x 7-1/2" Custom Shaped Poplar	15.57	1.35
06 46 36 00-0737	LF	1-1/2" x 8-1/2" Custom Shaped Poplar	17.08	1.45
06 46 36 00-0738	LF	1-1/2" x 9-1/2" Custom Shaped Poplar	18.52	1.45
06 46 36 00-0739	LF	1-1/2" x 10-1/2" Custom Shaped Poplar	20.14	1.55
06 46 36 00-0740	LF	1-1/2" x 11-1/2" Custom Shaped Poplar	21.67	1.55
06 46 36 00-0741	LF	2" x 1-1/2" Custom Shaped Poplar	7.92	1.16
06 46 36 00-0742	LF	2" x 2-1/2" Custom Shaped Poplar	10.11	1.16
06 46 36 00-0743	LF	2" x 3-1/2" Custom Shaped Poplar	12.28	1.16
06 46 36 00-0744	LF	2" x 4-1/2" Custom Shaped Poplar	14.56	1.26
06 46 36 00-0745	LF	2" x 5-1/2" Custom Shaped Poplar	16.73	1.26
06 46 36 00-0746	LF	2" x 6-1/2" Custom Shaped Poplar	19.11	1.35
06 46 36 00-0747	LF	2" x 7-1/2" Custom Shaped Poplar	21.28	1.35
06 46 36 00-0748	LF	2" x 8-1/2" Custom Shaped Poplar	23.56	1.45
06 46 36 00-0749	LF	2" x 9-1/2" Custom Shaped Poplar	25.73	1.45
06 46 36 00-0750	LF	2" x 10-1/2" Custom Shaped Poplar	27.92	1.55
06 46 36 00-0751	LF	2" x 11-1/2" Custom Shaped Poplar	30.28	1.64
06 46 36 00-0752	LF	2-1/2" x 1-1/2" Custom Shaped Poplar	9.42	1.16
06 46 36 00-0753	LF	2-1/2" x 2-1/2" Custom Shaped Poplar	12.31	1.16
06 46 36 00-0754	LF	2-1/2" x 3-1/2" Custom Shaped Poplar	15.19	1.26
06 46 36 00-0755	LF	2-1/2" x 4-1/2" Custom Shaped Poplar	18.15	1.26
06 46 36 00-0756	LF	2-1/2" x 5-1/2" Custom Shaped Poplar	21.03	1.26
06 46 36 00-0757	LF	2-1/2" x 6-1/2" Custom Shaped Poplar	24.11	1.35
06 46 36 00-0758	LF	2-1/2" x 7-1/2" Custom Shaped Poplar	26.98	1.45
06 46 36 00-0759	LF	2-1/2" x 8-1/2" Custom Shaped Poplar	29.96	1.45
06 46 36 00-0760	LF	2-1/2" x 9-1/2" Custom Shaped Poplar	32.84	1.55



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0761	LF	2-1/2" x 10-1/2" Custom Shaped Poplar	35.73	1.55
06 46 36 00-0762	LF	2-1/2" x 11-1/2" Custom Shaped Poplar	38.80	1.64
06 46 36 00-0763	LF	3-1/2" x 3-1/2" Custom Shaped Poplar	20.13	1.26
06 46 36 00-0764	LF	3-1/2" x 4-1/2" Custom Shaped Poplar	24.32	1.26
06 46 36 00-0765	LF	3-1/2" x 5-1/2" Custom Shaped Poplar	28.41	1.35
06 46 36 00-0766	LF	3-1/2" x 6-1/2" Custom Shaped Poplar	32.73	1.45
06 46 36 00-0767	LF	3-1/2" x 7-1/2" Custom Shaped Poplar	36.78	1.45
06 46 36 00-0768	LF	3-1/2" x 8-1/2" Custom Shaped Poplar	40.98	1.55
06 46 36 00-0769	LF	3-1/2" x 9-1/2" Custom Shaped Poplar	45.06	1.55
06 46 36 00-0770	LF	3-1/2" x 10-1/2" Custom Shaped Poplar	49.16	1.55
06 46 36 00-0771	LF	3-1/2" x 11-1/2" Custom Shaped Poplar	53.44	1.64
06 46 36 00-0772		Clear Heart Redwood <small>(06 46 36)</small>		
06 46 36 00-0773	LF	3/4" x 1-1/2" Custom Shaped Clear Heart Redwood	5.16	1.07
06 46 36 00-0774	LF	3/4" x 2-1/2" Custom Shaped Clear Heart Redwood	6.14	1.07
06 46 36 00-0775	LF	3/4" x 3-1/2" Custom Shaped Clear Heart Redwood	7.14	1.07
06 46 36 00-0776	LF	3/4" x 4-1/2" Custom Shaped Clear Heart Redwood	8.12	1.16
06 46 36 00-0777	LF	3/4" x 5-1/2" Custom Shaped Clear Heart Redwood	9.22	1.16
06 46 36 00-0778	LF	3/4" x 6-1/2" Custom Shaped Clear Heart Redwood	10.32	1.26
06 46 36 00-0779	LF	3/4" x 7-1/2" Custom Shaped Clear Heart Redwood	12.24	1.26
06 46 36 00-0780	LF	3/4" x 8-1/2" Custom Shaped Clear Heart Redwood	13.37	1.26
06 46 36 00-0781	LF	3/4" x 9-1/2" Custom Shaped Clear Heart Redwood	13.45	1.35
06 46 36 00-0782	LF	3/4" x 10-1/2" Custom Shaped Clear Heart Redwood	14.35	1.45
06 46 36 00-0783	LF	1" x 1-1/2" Custom Shaped Clear Heart Redwood	5.94	1.07
06 46 36 00-0784	LF	1" x 2-1/2" Custom Shaped Clear Heart Redwood	7.26	1.07
06 46 36 00-0785	LF	1" x 3-1/2" Custom Shaped Clear Heart Redwood	8.59	1.16
06 46 36 00-0786	LF	1" x 4-1/2" Custom Shaped Clear Heart Redwood	9.91	1.16
06 46 36 00-0787	LF	1" x 5-1/2" Custom Shaped Clear Heart Redwood	11.36	1.26
06 46 36 00-0788	LF	1" x 6-1/2" Custom Shaped Clear Heart Redwood	12.79	1.26
06 46 36 00-0789	LF	1" x 7-1/2" Custom Shaped Clear Heart Redwood	15.76	1.26
06 46 36 00-0790	LF	1" x 8-1/2" Custom Shaped Clear Heart Redwood	17.32	1.35
06 46 36 00-0791	LF	1" x 9-1/2" Custom Shaped Clear Heart Redwood	18.81	1.35
06 46 36 00-0792	LF	1" x 10-1/2" Custom Shaped Clear Heart Redwood	20.47	1.45
06 46 36 00-0793	LF	1-1/2" x 1-1/2" Custom Shaped Clear Heart Redwood	7.40	1.07
06 46 36 00-0794	LF	1-1/2" x 2-1/2" Custom Shaped Clear Heart Redwood	9.36	1.16
06 46 36 00-0795	LF	1-1/2" x 3-1/2" Custom Shaped Clear Heart Redwood	11.32	1.16
06 46 36 00-0796	LF	1-1/2" x 4-1/2" Custom Shaped Clear Heart Redwood	13.28	1.26
06 46 36 00-0797	LF	1-1/2" x 5-1/2" Custom Shaped Clear Heart Redwood	15.26	1.26
06 46 36 00-0798	LF	1-1/2" x 6-1/2" Custom Shaped Clear Heart Redwood	17.47	1.35
06 46 36 00-0799	LF	1-1/2" x 7-1/2" Custom Shaped Clear Heart Redwood	22.80	1.35
06 46 36 00-0800	LF	1-1/2" x 8-1/2" Custom Shaped Clear Heart Redwood	25.22	1.45
06 46 36 00-0801	LF	1-1/2" x 9-1/2" Custom Shaped Clear Heart Redwood	29.46	1.45
06 46 36 00-0802	LF	1-1/2" x 10-1/2" Custom Shaped Clear Heart Redwood	32.18	1.55
06 46 36 00-0803	LF	3-1/2" x 3-1/2" Custom Shaped Clear Heart Redwood	30.78	1.26
06 46 36 00-0804	LF	3-1/2" x 4-1/2" Custom Shaped Clear Heart Redwood	37.63	1.26
06 46 36 00-0805	LF	3-1/2" x 5-1/2" Custom Shaped Clear Heart Redwood	44.39	1.35
06 46 36 00-0806	LF	3-1/2" x 6-1/2" Custom Shaped Clear Heart Redwood	51.33	1.45
06 46 36 00-0807	LF	3-1/2" x 7-1/2" Custom Shaped Clear Heart Redwood	58.09	1.45
06 46 36 00-0808	LF	3-1/2" x 8-1/2" Custom Shaped Clear Heart Redwood	64.95	1.55
06 46 36 00-0809	LF	3-1/2" x 9-1/2" Custom Shaped Clear Heart Redwood	71.70	1.55
06 46 36 00-0810	LF	3-1/2" x 10-1/2" Custom Shaped Clear Heart Redwood	78.46	1.55
06 46 36 00-0811	LF	3-1/2" x 11-1/2" Custom Shaped Clear Heart Redwood	85.40	1.64
06 46 36 00-0812		Teak <small>(06 46 36)</small>		
06 46 36 00-0813	LF	3/4" x 1-1/2" Custom Shaped Teak	11.53	1.07
06 46 36 00-0814	LF	3/4" x 2-1/2" Custom Shaped Teak	15.70	1.07
06 46 36 00-0815	LF	3/4" x 3-1/2" Custom Shaped Teak	19.89	1.07
06 46 36 00-0816	LF	3/4" x 4-1/2" Custom Shaped Teak	24.05	1.16
06 46 36 00-0817	LF	3/4" x 5-1/2" Custom Shaped Teak	28.34	1.16
06 46 36 00-0818	LF	3/4" x 6-1/2" Custom Shaped Teak	32.63	1.26
06 46 36 00-0819	LF	3/4" x 7-1/2" Custom Shaped Teak	36.78	1.26
06 46 36 00-0820	LF	3/4" x 8-1/2" Custom Shaped Teak	40.98	1.26
06 46 36 00-0821	LF	3/4" x 9-1/2" Custom Shaped Teak	45.11	1.35
06 46 36 00-0822	LF	3/4" x 10-1/2" Custom Shaped Teak	49.40	1.45
06 46 36 00-0823	LF	3/4" x 11-1/2" Custom Shaped Teak	53.62	1.45
06 46 36 00-0824	LF	1-1/2" x 1-1/2" Custom Shaped Teak	24.71	1.07
06 46 36 00-0825	LF	1-1/2" x 2-1/2" Custom Shaped Teak	28.20	1.16
06 46 36 00-0826	LF	1-1/2" x 3-1/2" Custom Shaped Teak	36.43	1.16
06 46 36 00-0827	LF	1-1/2" x 4-1/2" Custom Shaped Teak	44.68	1.26
06 46 36 00-0828	LF	1-1/2" x 5-1/2" Custom Shaped Teak	52.93	1.26
06 46 36 00-0829	LF	1-1/2" x 6-1/2" Custom Shaped Teak	61.13	1.35
06 46 36 00-0830	LF	1-1/2" x 7-1/2" Custom Shaped Teak	69.60	1.35
06 46 36 00-0831	LF	1-1/2" x 8-1/2" Custom Shaped Teak	77.87	1.45
06 46 36 00-0832	LF	1-1/2" x 9-1/2" Custom Shaped Teak	86.06	1.45
06 46 36 00-0833	LF	1-1/2" x 10-1/2" Custom Shaped Teak	94.43	1.55
06 46 36 00-0834	LF	1-1/2" x 11-1/2" Custom Shaped Teak	102.72	1.55
06 46 36 00-0835		Walnut <small>(06 46 36)</small>		

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 46 36 00-0836	LF	3/4" x 1-1/2" Custom Shaped Walnut.....	7.01	1.07
06 46 36 00-0837	LF	3/4" x 2-1/2" Custom Shaped Walnut.....	8.92	1.07
06 46 36 00-0838	LF	3/4" x 3-1/2" Custom Shaped Walnut.....	10.85	1.07
06 46 36 00-0839	LF	3/4" x 4-1/2" Custom Shaped Walnut.....	12.76	1.16
06 46 36 00-0840	LF	3/4" x 5-1/2" Custom Shaped Walnut.....	14.78	1.16
06 46 36 00-0841	LF	3/4" x 6-1/2" Custom Shaped Walnut.....	16.81	1.26
06 46 36 00-0842	LF	3/4" x 7-1/2" Custom Shaped Walnut.....	18.71	1.26
06 46 36 00-0843	LF	3/4" x 8-1/2" Custom Shaped Walnut.....	20.65	1.26
06 46 36 00-0844	LF	3/4" x 9-1/2" Custom Shaped Walnut.....	22.51	1.35
06 46 36 00-0845	LF	3/4" x 10-1/2" Custom Shaped Walnut.....	24.55	1.45
06 46 36 00-0846	LF	3/4" x 11-1/2" Custom Shaped Walnut.....	26.51	1.45
06 46 36 00-0847	LF	1" x 1-1/2" Custom Shaped Walnut.....	8.13	1.07
06 46 36 00-0848	LF	1" x 2-1/2" Custom Shaped Walnut.....	10.57	1.07
06 46 36 00-0849	LF	1" x 3-1/2" Custom Shaped Walnut.....	12.98	1.16
06 46 36 00-0850	LF	1" x 4-1/2" Custom Shaped Walnut.....	15.43	1.16
06 46 36 00-0851	LF	1" x 5-1/2" Custom Shaped Walnut.....	17.95	1.26
06 46 36 00-0852	LF	1" x 6-1/2" Custom Shaped Walnut.....	20.49	1.26
06 46 36 00-0853	LF	1" x 7-1/2" Custom Shaped Walnut.....	22.90	1.26
06 46 36 00-0854	LF	1" x 8-1/2" Custom Shaped Walnut.....	25.36	1.35
06 46 36 00-0855	LF	1" x 9-1/2" Custom Shaped Walnut.....	27.73	1.35
06 46 36 00-0856	LF	1" x 10-1/2" Custom Shaped Walnut.....	30.29	1.45
06 46 36 00-0857	LF	1" x 11-1/2" Custom Shaped Walnut.....	32.75	1.45
06 46 36 00-0858	LF	1-1/4" x 1-1/2" Custom Shaped Walnut.....	9.65	1.07
06 46 36 00-0859	LF	1-1/4" x 2-1/2" Custom Shaped Walnut.....	12.81	1.07
06 46 36 00-0860	LF	1-1/4" x 3-1/2" Custom Shaped Walnut.....	15.94	1.16
06 46 36 00-0861	LF	1-1/4" x 4-1/2" Custom Shaped Walnut.....	19.08	1.16
06 46 36 00-0862	LF	1-1/4" x 5-1/2" Custom Shaped Walnut.....	22.32	1.26
06 46 36 00-0863	LF	1-1/4" x 6-1/2" Custom Shaped Walnut.....	25.59	1.26
06 46 36 00-0864	LF	1-1/4" x 7-1/2" Custom Shaped Walnut.....	28.70	1.35
06 46 36 00-0865	LF	1-1/4" x 8-1/2" Custom Shaped Walnut.....	31.87	1.35
06 46 36 00-0866	LF	1-1/4" x 9-1/2" Custom Shaped Walnut.....	34.95	1.35
06 46 36 00-0867	LF	1-1/4" x 10-1/2" Custom Shaped Walnut.....	38.23	1.45
06 46 36 00-0868	LF	1-1/4" x 11-1/2" Custom Shaped Walnut.....	41.41	1.55
06 46 36 00-0869	LF	1-1/2" x 1-1/2" Custom Shaped Walnut.....	12.54	1.07
06 46 36 00-0870	LF	1-1/2" x 2-1/2" Custom Shaped Walnut.....	17.07	1.16
06 46 36 00-0871	LF	1-1/2" x 3-1/2" Custom Shaped Walnut.....	21.59	1.16
06 46 36 00-0872	LF	1-1/2" x 4-1/2" Custom Shaped Walnut.....	26.13	1.26
06 46 36 00-0873	LF	1-1/2" x 5-1/2" Custom Shaped Walnut.....	30.67	1.26
06 46 36 00-0874	LF	1-1/2" x 6-1/2" Custom Shaped Walnut.....	35.40	1.35
06 46 36 00-0875	LF	1-1/2" x 7-1/2" Custom Shaped Walnut.....	39.93	1.35
06 46 36 00-0876	LF	1-1/2" x 8-1/2" Custom Shaped Walnut.....	44.48	1.45
06 46 36 00-0877	LF	1-1/2" x 9-1/2" Custom Shaped Walnut.....	49.44	1.45
06 46 36 00-0878	LF	1-1/2" x 10-1/2" Custom Shaped Walnut.....	53.63	1.55
06 46 36 00-0879	LF	1-1/2" x 11-1/2" Custom Shaped Walnut.....	58.20	1.55
06 46 36 00-0880	LF	2" x 1-1/2" Custom Shaped Walnut.....	19.93	1.16
06 46 36 00-0881	LF	2" x 2-1/2" Custom Shaped Walnut.....	28.12	1.16
06 46 36 00-0882	LF	2" x 3-1/2" Custom Shaped Walnut.....	36.30	1.16
06 46 36 00-0883	LF	2" x 4-1/2" Custom Shaped Walnut.....	44.57	1.26
06 46 36 00-0884	LF	2" x 5-1/2" Custom Shaped Walnut.....	52.76	1.26
06 46 36 00-0885	LF	2" x 6-1/2" Custom Shaped Walnut.....	61.13	1.35
06 46 36 00-0886	LF	2" x 7-1/2" Custom Shaped Walnut.....	69.31	1.35
06 46 36 00-0887	LF	2" x 8-1/2" Custom Shaped Walnut.....	77.59	1.45
06 46 36 00-0888	LF	2" x 9-1/2" Custom Shaped Walnut.....	85.78	1.45
06 46 36 00-0889	LF	2" x 10-1/2" Custom Shaped Walnut.....	93.96	1.55
06 46 36 00-0890	LF	2" x 11-1/2" Custom Shaped Walnut.....	102.34	1.64
06 46 36 00-0891	LF	2-1/2" x 1-1/2" Custom Shaped Walnut.....	24.55	1.16
06 46 36 00-0892	LF	2-1/2" x 2-1/2" Custom Shaped Walnut.....	34.99	1.16
06 46 36 00-0893	LF	2-1/2" x 3-1/2" Custom Shaped Walnut.....	45.44	1.26
06 46 36 00-0894	LF	2-1/2" x 4-1/2" Custom Shaped Walnut.....	55.96	1.26
06 46 36 00-0895	LF	2-1/2" x 5-1/2" Custom Shaped Walnut.....	66.41	1.26
06 46 36 00-0896	LF	2-1/2" x 6-1/2" Custom Shaped Walnut.....	77.04	1.35
06 46 36 00-0897	LF	2-1/2" x 7-1/2" Custom Shaped Walnut.....	87.48	1.45
06 46 36 00-0898	LF	2-1/2" x 8-1/2" Custom Shaped Walnut.....	98.02	1.45
06 46 36 00-0899	LF	2-1/2" x 9-1/2" Custom Shaped Walnut.....	108.47	1.55
06 46 36 00-0900	LF	2-1/2" x 10-1/2" Custom Shaped Walnut.....	118.91	1.55
06 46 36 00-0901	LF	2-1/2" x 11-1/2" Custom Shaped Walnut.....	129.55	1.64

06 48 Wood Frames (06 40)

Note: All door frames include perimeter caulk, sealant (as required), anchors and silencers.

06 48 13 Exterior Wood Door Frames (06 48)**06 48 13 00-0001** Exterior Door Frames (06 48 13)

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made with threshold, includes all trim molding, up to 8" depth.

06 48 13 00-0002	EA	3' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim.....	232.93	54.71
		<i>For Birch, Add</i>	43.27	
		<i>For Mahogany, Add</i>	105.08	
06 48 13 00-0003	EA	3'-6" x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim.....	244.77	57.33
		<i>For Birch, Add</i>	45.72	
		<i>For Mahogany, Add</i>	111.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 48 13 00-0004 EA 4' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim <i>For Birch, Add</i> <i>For Mahogany, Add</i>	256.61 48.16 116.96	59.56
06 48 13 00-0005 EA 5' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim <i>For Birch, Add</i> <i>For Mahogany, Add</i>	279.11 53.05 128.83	63.74
06 48 13 00-0006 EA 6' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim <i>For Birch, Add</i> <i>For Mahogany, Add</i>	302.18 57.94 140.72	68.30
06 48 13 00-0007 EA 3' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	336.86	54.90
06 48 13 00-0008 EA 3'-6" x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	343.59	57.33
06 48 13 00-0009 EA 4' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	350.28	59.75
06 48 13 00-0010 EA 5' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	361.84	63.64
06 48 13 00-0011 EA 6' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	375.41	68.50
06 48 13 00-0012 EA 3' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	268.85	54.90
06 48 13 00-0013 EA 3'-6" x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	281.72	57.33
06 48 13 00-0014 EA 4' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	294.68	59.75
06 48 13 00-0015 EA 5' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	318.49	63.64
06 48 13 00-0016 EA 6' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	344.24	68.50

06 48 16 Interior Wood Door Frames (06 48)

06 48 16 00-0001 Interior Door Frames (06 48 16)

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made, includes all trim molding.

06 48 16 00-0002 EA 2'-0" Or 2'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	116.03 19.83 22.39 54.38 28.79	26.04
06 48 16 00-0003 EA 2'-6" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	116.82 20.00 22.58 54.84 29.03	26.13
06 48 16 00-0004 EA 2'-8" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	118.33 20.15 22.75 55.26 29.25	26.62
06 48 16 00-0005 EA 3' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	120.31 20.35 22.98 55.80 29.54	27.30
06 48 16 00-0006 EA 3'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	123.10 20.78 23.46 56.98 30.17	27.99
06 48 16 00-0007 EA 4' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	130.09 21.88 24.70 59.99 31.76	29.73
06 48 16 00-0008 EA 5' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	138.51 22.98 25.95 63.02 33.36	32.16
06 48 16 00-0009 EA 6' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	146.00 24.08 27.19 66.03 34.96	34.21
06 48 16 00-0010 LF 4-9/16", Pine Interior Door Frame	5.83 0.36 0.41 0.99 0.53	2.33

06 50 Structural Plastics (06)

06 51 Structural Plastic Shapes And Plates (06 50)

06 51 13 Plastic Lumber (06 51)

06 51 13 00-0001 Beams And Girders, Recycled Plastic Lumber (06 51 13)

06 51 13 00-0002 LF 2" x 6", Beam Or Girder, Recycled Plastic Lumber	8.86 2.45	1.56
<i>For Reinforced Structural Plastic Lumber, Add</i>		
<i>Note: High density polyethylene combined with fiberglass.</i>		
<i>For Brown Color, Add</i>	0.60	
<i>For White Color, Add</i>	2.81	
<i>For All Other Colors (Except Black, Brown Or White), Add</i>	2.38	

06 Wood, Plastics, and Composites**06 50 Structural Plastics****06 51 Structural Plastic Shapes And Plates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0003	LF		2" x 8", Beam Or Girder, Recycled Plastic Lumber	11.23	1.70
			<i>For Reinforced Structural Plastic Lumber, Add</i>	3.26	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.79	
			<i>For White Color, Add</i>	3.74	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.17	
06 51 13 00-0004	LF		2" x 10", Beam Or Girder, Recycled Plastic Lumber	13.39	1.83
			<i>For Reinforced Structural Plastic Lumber, Add</i>	3.98	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.97	
			<i>For White Color, Add</i>	4.58	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.88	
06 51 13 00-0005	LF		3" x 10", Beam Or Girder, Recycled Plastic Lumber	19.44	2.18
			<i>For Reinforced Structural Plastic Lumber, Add</i>	6.04	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.47	
			<i>For White Color, Add</i>	6.94	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	5.88	
06 51 13 00-0006	LF		3" x 12", Beam Or Girder, Recycled Plastic Lumber	23.24	2.45
			<i>For Reinforced Structural Plastic Lumber, Add</i>	7.30	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.78	
			<i>For White Color, Add</i>	8.39	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	7.11	
06 51 13 00-0007	LF		4" x 4", Beam Or Girder, Recycled Plastic Lumber	12.73	2.11
			<i>For Reinforced Structural Plastic Lumber, Add</i>	3.60	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.87	
			<i>For White Color, Add</i>	4.13	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.50	
06 51 13 00-0008	LF		4" x 6", Beam Or Girder, Recycled Plastic Lumber	17.01	2.25
			<i>For Reinforced Structural Plastic Lumber, Add</i>	5.11	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.24	
			<i>For White Color, Add</i>	5.87	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.97	
06 51 13 00-0009	LF		5" x 5", Beam Or Girder, Recycled Plastic Lumber	17.69	2.31
			<i>For Reinforced Structural Plastic Lumber, Add</i>	5.32	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.30	
			<i>For White Color, Add</i>	6.12	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	5.18	
06 51 13 00-0010	LF		6" x 6", Beam Or Girder, Recycled Plastic Lumber	24.26	2.51
			<i>For Reinforced Structural Plastic Lumber, Add</i>	7.64	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.86	
			<i>For White Color, Add</i>	8.78	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	7.44	
06 51 13 00-0011	LF		6" x 8", Beam Or Girder, Recycled Plastic Lumber	32.90	2.65
			<i>For Reinforced Structural Plastic Lumber, Add</i>	10.77	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	2.62	
			<i>For White Color, Add</i>	12.37	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	10.48	
06 51 13 00-0012			Joists, Recycled Plastic Lumber <small>(06 51 13)</small>		
06 51 13 00-0013	LF		2" x 4", Joist, Recycled Plastic Lumber	5.73	0.87
			<i>For Reinforced Structural Plastic Lumber, Add</i>	1.65	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.40	
			<i>For White Color, Add</i>	1.90	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	1.61	
06 51 13 00-0014	LF		2" x 6", Joist, Recycled Plastic Lumber	7.89	0.92
			<i>For Reinforced Structural Plastic Lumber, Add</i>	2.45	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.60	
			<i>For White Color, Add</i>	2.81	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	2.38	
06 51 13 00-0015	LF		2" x 8", Joist, Recycled Plastic Lumber	10.26	1.02
			<i>For Reinforced Structural Plastic Lumber, Add</i>	3.26	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.79	
			<i>For White Color, Add</i>	3.74	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.17	
06 51 13 00-0016	LF		2" x 10", Joist, Recycled Plastic Lumber	12.51	1.23
			<i>For Reinforced Structural Plastic Lumber, Add</i>	3.98	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.97	
			<i>For White Color, Add</i>	4.58	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0017 LF 3" x 10", Joist, Recycled Plastic Lumber	18.37	1.43
For Reinforced Structural Plastic Lumber, Add	6.04	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.47	
For White Color, Add	6.94	
For All Other Colors (Except Black, Brown Or White), Add	5.88	
06 51 13 00-0018 LF 3" x 12", Joist, Recycled Plastic Lumber	22.36	1.83
For Reinforced Structural Plastic Lumber, Add	7.30	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.78	
For White Color, Add	8.39	
For All Other Colors (Except Black, Brown Or White), Add	7.11	
06 51 13 00-0019 LF 4" x 4", Joist, Recycled Plastic Lumber	11.56	1.30
For Reinforced Structural Plastic Lumber, Add	3.60	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.87	
For White Color, Add	4.13	
For All Other Colors (Except Black, Brown Or White), Add	3.50	
06 51 13 00-0020 LF 4" x 6", Joist, Recycled Plastic Lumber	15.74	1.36
For Reinforced Structural Plastic Lumber, Add	5.11	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.24	
For White Color, Add	5.87	
For All Other Colors (Except Black, Brown Or White), Add	4.97	
06 51 13 00-0021 LF 5" x 5", Joist, Recycled Plastic Lumber	16.53	1.50
For Reinforced Structural Plastic Lumber, Add	5.32	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.30	
For White Color, Add	6.12	
For All Other Colors (Except Black, Brown Or White), Add	5.18	
06 51 13 00-0022 LF 6" x 6", Joist, Recycled Plastic Lumber	23.09	1.70
For Reinforced Structural Plastic Lumber, Add	7.64	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.86	
For White Color, Add	8.78	
For All Other Colors (Except Black, Brown Or White), Add	7.44	
06 51 13 00-0023 LF 6" x 8", Joist, Recycled Plastic Lumber	31.72	1.83
For Reinforced Structural Plastic Lumber, Add	10.77	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	2.62	
For White Color, Add	12.37	
For All Other Colors (Except Black, Brown Or White), Add	10.48	
06 51 13 00-0024 Columns, Recycled Plastic Lumber (06 51 13)		
06 51 13 00-0025 LF 4" x 4", Column, Recycled Plastic Lumber	13.71	2.79
For Reinforced Structural Plastic Lumber, Add	3.60	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.87	
For White Color, Add	4.13	
For All Other Colors (Except Black, Brown Or White), Add	3.50	
06 51 13 00-0026 LF 4" x 6", Column, Recycled Plastic Lumber	19.43	3.94
For Reinforced Structural Plastic Lumber, Add	5.11	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.24	
For White Color, Add	5.87	
For All Other Colors (Except Black, Brown Or White), Add	4.97	
06 51 13 00-0027 LF 5" x 5", Column, Recycled Plastic Lumber	20.71	4.42
For Reinforced Structural Plastic Lumber, Add	5.32	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.30	
For White Color, Add	6.12	
For All Other Colors (Except Black, Brown Or White), Add	5.18	
06 51 13 00-0028 LF 6" x 6", Column, Recycled Plastic Lumber	27.85	5.03
For Reinforced Structural Plastic Lumber, Add	7.64	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.86	
For White Color, Add	8.78	
For All Other Colors (Except Black, Brown Or White), Add	7.44	
06 51 13 00-0029 LF 6" x 8", Column, Recycled Plastic Lumber	37.94	6.19
For Reinforced Structural Plastic Lumber, Add	10.77	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	2.62	
For White Color, Add	12.37	
For All Other Colors (Except Black, Brown Or White), Add	10.48	
06 51 13 00-0030 Walls, Recycled Plastic Lumber (06 51 13)		
06 51 13 00-0031 LF 2" x 3", Walls, Recycled Plastic Lumber	5.17	0.87
For Reinforced Structural Plastic Lumber, Add	1.44	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.35	
For White Color, Add	1.66	
For All Other Colors (Except Black, Brown Or White), Add	1.40	

06 Wood, Plastics, and Composites**06 50 Structural Plastics****06 51 Structural Plastic Shapes And Plates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0032	LF		2" x 4", Walls, Recycled Plastic Lumber	5.92	1.02
			For Reinforced Structural Plastic Lumber, Add	1.65	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	0.40	
			For White Color, Add	1.90	
			For All Other Colors (Except Black, Brown Or White), Add	1.61	
06 51 13 00-0033	LF		2" x 6", Walls, Recycled Plastic Lumber	8.17	1.08
			For Reinforced Structural Plastic Lumber, Add	2.45	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	0.60	
			For White Color, Add	2.81	
			For All Other Colors (Except Black, Brown Or White), Add	2.38	
06 51 13 00-0034	LF		2" x 8", Walls, Recycled Plastic Lumber	10.45	1.15
			For Reinforced Structural Plastic Lumber, Add	3.26	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	0.79	
			For White Color, Add	3.74	
			For All Other Colors (Except Black, Brown Or White), Add	3.17	
06 51 13 00-0035			Other Shapes, Recycled Plastic Lumber <small>(06 51 13)</small>		
06 51 13 00-0036	LF		5/4" x 4", Other Shapes, Recycled Plastic Lumber	5.03	0.78
			For Reinforced Structural Plastic Lumber, Add	1.42	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	0.35	
			For White Color, Add	1.63	
			For All Other Colors (Except Black, Brown Or White), Add	1.38	
06 51 13 00-0037	LF		5/4" x 6", Other Shapes, Recycled Plastic Lumber	6.37	0.87
			For Reinforced Structural Plastic Lumber, Add	1.89	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	0.46	
			For White Color, Add	2.17	
			For All Other Colors (Except Black, Brown Or White), Add	1.84	
06 51 13 00-0038	LF		5/4" x 8", Other Shapes, Recycled Plastic Lumber	8.27	0.87
			For Reinforced Structural Plastic Lumber, Add	2.59	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	0.63	
			For White Color, Add	2.98	
			For All Other Colors (Except Black, Brown Or White), Add	2.52	
06 51 13 00-0039	LF		1" x 4", Other Shapes, Recycled Plastic Lumber	5.06	0.78
			For Reinforced Structural Plastic Lumber, Add	1.43	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	0.35	
			For White Color, Add	1.64	
			For All Other Colors (Except Black, Brown Or White), Add	1.39	
06 51 13 00-0040	LF		1" x 6", Other Shapes, Recycled Plastic Lumber	5.59	0.87
			For Reinforced Structural Plastic Lumber, Add	1.60	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	0.39	
			For White Color, Add	1.84	
			For All Other Colors (Except Black, Brown Or White), Add	1.56	
06 51 13 00-0041	LF		1" x 6", Tongue And Grooved, Other Shapes, Recycled Plastic Lumber	5.69	0.87
			For Reinforced Structural Plastic Lumber, Add	1.64	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	0.40	
			For White Color, Add	1.88	
			For All Other Colors (Except Black, Brown Or White), Add	1.59	
06 51 13 00-0042	LF		2" x 2", Other Shapes, Recycled Plastic Lumber	3.53	0.75
			For Reinforced Structural Plastic Lumber, Add	0.91	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	0.22	
			For White Color, Add	1.05	
			For All Other Colors (Except Black, Brown Or White), Add	0.89	
06 51 13 00-0043	LF		2" x 3", Other Shapes, Recycled Plastic Lumber	5.17	0.87
			For Reinforced Structural Plastic Lumber, Add	1.44	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	0.35	
			For White Color, Add	1.66	
			For All Other Colors (Except Black, Brown Or White), Add	1.40	
06 51 13 00-0044	LF		2" x 4", Other Shapes, Recycled Plastic Lumber	5.92	1.02
			For Reinforced Structural Plastic Lumber, Add	1.65	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	0.40	
			For White Color, Add	1.90	
			For All Other Colors (Except Black, Brown Or White), Add	1.61	
06 51 13 00-0045	LF		2" x 6", Other Shapes, Recycled Plastic Lumber	8.17	1.08
			For Reinforced Structural Plastic Lumber, Add	2.45	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	0.60	
			For White Color, Add	2.81	
			For All Other Colors (Except Black, Brown Or White), Add	2.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0046 LF 2" x 8", Other Shapes, Recycled Plastic Lumber	10.45	1.15
For Reinforced Structural Plastic Lumber, Add	3.26	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.79	
For White Color, Add	3.74	
For All Other Colors (Except Black, Brown Or White), Add	3.17	
06 51 13 00-0047 LF 2" x 10", Other Shapes, Recycled Plastic Lumber	12.51	1.23
For Reinforced Structural Plastic Lumber, Add	3.98	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.97	
For White Color, Add	4.58	
For All Other Colors (Except Black, Brown Or White), Add	3.88	
06 51 13 00-0048 LF 2" x 12", Other Shapes, Recycled Plastic Lumber	15.08	1.30
For Reinforced Structural Plastic Lumber, Add	4.90	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.19	
For White Color, Add	5.63	
For All Other Colors (Except Black, Brown Or White), Add	4.77	
06 51 13 00-0049 LF 3" x 4", Other Shapes, Recycled Plastic Lumber	8.42	1.20
For Reinforced Structural Plastic Lumber, Add	2.49	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.60	
For White Color, Add	2.86	
For All Other Colors (Except Black, Brown Or White), Add	2.42	
06 51 13 00-0050 LF 3" x 6", Other Shapes, Recycled Plastic Lumber	12.23	1.28
For Reinforced Structural Plastic Lumber, Add	3.86	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.94	
For White Color, Add	4.43	
For All Other Colors (Except Black, Brown Or White), Add	3.75	
06 51 13 00-0051 LF 3" x 8", Other Shapes, Recycled Plastic Lumber	15.86	1.36
For Reinforced Structural Plastic Lumber, Add	5.16	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.25	
For White Color, Add	5.92	
For All Other Colors (Except Black, Brown Or White), Add	5.02	
06 51 13 00-0052 LF 3" x 10", Other Shapes, Recycled Plastic Lumber	18.37	1.43
For Reinforced Structural Plastic Lumber, Add	6.04	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.47	
For White Color, Add	6.94	
For All Other Colors (Except Black, Brown Or White), Add	5.88	
06 51 13 00-0053 LF 3" x 12", Other Shapes, Recycled Plastic Lumber	22.36	1.83
For Reinforced Structural Plastic Lumber, Add	7.30	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.78	
For White Color, Add	8.39	
For All Other Colors (Except Black, Brown Or White), Add	7.11	
06 51 13 00-0054 LF 4" x 4", Other Shapes, Recycled Plastic Lumber	11.56	1.30
For Reinforced Structural Plastic Lumber, Add	3.60	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.87	
For White Color, Add	4.13	
For All Other Colors (Except Black, Brown Or White), Add	3.50	
06 51 13 00-0055 LF 4" x 6", Other Shapes, Recycled Plastic Lumber	15.74	1.36
For Reinforced Structural Plastic Lumber, Add	5.11	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.24	
For White Color, Add	5.87	
For All Other Colors (Except Black, Brown Or White), Add	4.97	
06 51 13 00-0056 LF 4" x 8", Other Shapes, Recycled Plastic Lumber	21.09	1.48
For Reinforced Structural Plastic Lumber, Add	7.02	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.71	
For White Color, Add	8.07	
For All Other Colors (Except Black, Brown Or White), Add	6.83	
06 51 13 00-0057 LF 5" x 5", Other Shapes, Recycled Plastic Lumber	16.53	1.50
For Reinforced Structural Plastic Lumber, Add	5.32	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.30	
For White Color, Add	6.12	
For All Other Colors (Except Black, Brown Or White), Add	5.18	
06 51 13 00-0058 LF 6" x 6", Other Shapes, Recycled Plastic Lumber	23.09	1.70
For Reinforced Structural Plastic Lumber, Add	7.64	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.86	
For White Color, Add	8.78	
For All Other Colors (Except Black, Brown Or White), Add	7.44	
06 51 13 00-0059 LF 6" x 8", Other Shapes, Recycled Plastic Lumber	31.72	1.83
For Reinforced Structural Plastic Lumber, Add	10.77	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	2.62	
For White Color, Add	12.37	
For All Other Colors (Except Black, Brown Or White), Add	10.48	

06 Wood, Plastics, and Composites**06 50 Structural Plastics****06 51 Structural Plastic Shapes And Plates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0060 LF 6" x 12", Other Shapes, Recycled Plastic Lumber <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i>	44.68 15.45	2.04
<i>For Brown Color, Add</i>	3.76	
<i>For White Color, Add</i>	17.75	
<i>For All Other Colors (Except Black, Brown Or White), Add</i>	15.03	
06 51 13 00-0061 LF 8" x 8", Other Shapes, Recycled Plastic Lumber <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i>	39.77 13.68	1.97
<i>For Brown Color, Add</i>	3.33	
<i>For White Color, Add</i>	15.71	
<i>For All Other Colors (Except Black, Brown Or White), Add</i>	13.31	
06 51 13 00-0062 LF 8" x 10", Other Shapes, Recycled Plastic Lumber <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i>	67.63 23.94	2.04
<i>For Brown Color, Add</i>	5.82	
<i>For White Color, Add</i>	27.50	
<i>For All Other Colors (Except Black, Brown Or White), Add</i>	23.30	
06 51 13 00-0063 LF 10" x 10", Other Shapes, Recycled Plastic Lumber <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i>	93.66 33.53	2.14
<i>For Brown Color, Add</i>	8.16	
<i>For White Color, Add</i>	38.51	
<i>For All Other Colors (Except Black, Brown Or White), Add</i>	32.62	
06 51 13 00-0064 LF 2" Diameter, Other Shapes, Recycled Plastic Lumber <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i>	3.76 1.03	0.68
<i>For Brown Color, Add</i>	0.25	
<i>For White Color, Add</i>	1.19	
<i>For All Other Colors (Except Black, Brown Or White), Add</i>	1.00	
06 51 13 00-0065 LF 3-1/2" Diameter, Other Shapes, Recycled Plastic Lumber <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i>	10.56 3.44	0.87
<i>For Brown Color, Add</i>	0.84	
<i>For White Color, Add</i>	3.95	
<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.34	
06 51 13 00-0066 LF 4" Diameter, Other Shapes, Recycled Plastic Lumber <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i>	11.65 3.77	1.02
<i>For Brown Color, Add</i>	0.92	
<i>For White Color, Add</i>	4.33	
<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.67	
06 51 13 00-0067 LF 5" Diameter, Other Shapes, Recycled Plastic Lumber <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i>	14.41 4.69	1.23
<i>For Brown Color, Add</i>	1.14	
<i>For White Color, Add</i>	5.38	
<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.56	
06 51 13 00-0068 LF 6" Diameter, Other Shapes, Recycled Plastic Lumber <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i>	31.61 10.94	1.43
<i>For Brown Color, Add</i>	2.66	
<i>For White Color, Add</i>	12.57	
<i>For All Other Colors (Except Black, Brown Or White), Add</i>	10.65	
06 51 13 00-0069 SF 1/8" Thick, Other Shapes, Recycled Plastic Sheeting.....	3.08	0.75
06 51 13 00-0070 SF 1/4" Thick, Other Shapes, Recycled Plastic Sheeting.....	4.45	0.78
06 51 13 00-0071 SF 3/8" Thick, Other Shapes, Recycled Plastic Sheeting.....	6.36	0.83
06 51 13 00-0072 SF 1/2" Thick, Other Shapes, Recycled Plastic Sheeting.....	8.05	0.85

06 52 Plastic Structural Assemblies (06 50)**06 52 13 Plastic Columns** (06 52)**06 52 13 00-0001 Round Fiberglass Columns** (06 52 13)

06 52 13 00-0002 LF 6" Diameter, Round Fiberglass Column.....	18.47	5.76
06 52 13 00-0003 LF 8" Diameter, Round Fiberglass Column.....	25.93	8.37
06 52 13 00-0004 LF 10" Diameter, Round Fiberglass Column.....	30.40	9.42
06 52 13 00-0005 LF 12" Diameter, Round Fiberglass Column.....	39.04	9.86
06 52 13 00-0006 LF 15" Diameter, Round Fiberglass Column.....	48.09	11.39
06 52 13 00-0007 EA 6" Diameter, Base And Cap For Round Fiberglass Columns.....	35.82	10.91
06 52 13 00-0008 EA 8" Diameter, Base And Cap For Round Fiberglass Columns.....	39.93	11.78
06 52 13 00-0009 EA 10" Diameter, Base And Cap For Round Fiberglass Columns.....	47.68	13.09
06 52 13 00-0010 EA 12" Diameter, Base And Cap For Round Fiberglass Columns.....	69.25	13.96
06 52 13 00-0011 EA 15" Diameter, Base And Cap For Round Fiberglass Columns.....	96.76	15.27

06 52 13 00-0012 Fluted Fiberglass Columns (06 52 13)

06 52 13 00-0013 LF 6" Diameter, Fluted Fiberglass Column.....	19.84	5.76
06 52 13 00-0014 LF 8" Diameter, Fluted Fiberglass Column.....	27.76	8.37
06 52 13 00-0015 LF 10" Diameter, Fluted Fiberglass Column.....	32.71	9.42
06 52 13 00-0016 LF 12" Diameter, Fluted Fiberglass Column.....	42.92	9.86
06 52 13 00-0017 LF 15" Diameter, Fluted Fiberglass Column.....	53.15	11.43
06 52 13 00-0018 EA 6" Diameter, Base And Cap For Fluted Fiberglass Columns.....	38.62	10.91
06 52 13 00-0019 EA 8" Diameter, Base And Cap For Fluted Fiberglass Columns.....	43.20	11.78



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 52 13 00-0020 EA 10" Diameter, Base And Cap For Fluted Fiberglass Columns	51.98	13.09
06 52 13 00-0021 EA 12" Diameter, Base And Cap For Fluted Fiberglass Columns	77.52	13.96
06 52 13 00-0022 EA 15" Diameter, Base And Cap For Fluted Fiberglass Columns	110.00	15.27
06 52 13 00-0023 Ornamental Or Decorative Cap And Base For Fiberglass Columns (06 52 13)		
06 52 13 00-0024 EA 8" Roman Ionic Cap And Base For Fiberglass Columns	174.26	13.09
06 52 13 00-0025 EA 10" Roman Ionic Cap And Base For Fiberglass Columns	233.93	15.27
06 52 13 00-0026 EA 12" Roman Ionic Cap And Base For Fiberglass Columns	301.09	17.45
06 52 13 00-0027 EA 8" Scamozzi Cap And Base For Fiberglass Columns	208.94	13.09
06 52 13 00-0028 EA 10" Scamozzi Cap And Base For Fiberglass Columns	251.74	15.27
06 52 13 00-0029 EA 12" Scamozzi Cap And Base For Fiberglass Columns	370.45	17.45
06 52 13 00-0030 EA 8" Corinthian Cap And Base For Fiberglass Columns	265.18	13.09
06 52 13 00-0031 EA 10" Corinthian Cap And Base For Fiberglass Columns	322.04	15.27
06 52 13 00-0032 EA 12" Corinthian Cap And Base For Fiberglass Columns	428.57	17.45
06 52 13 00-0033 EA 8" Temple Of Winds Cap And Base For Fiberglass Columns	177.08	13.09
06 52 13 00-0034 EA 10" Temple Of Winds Cap And Base For Fiberglass Columns	239.56	15.27
06 52 13 00-0035 EA 12" Temple Of Winds Cap And Base For Fiberglass Columns	306.72	17.45
06 52 13 00-0036 EA 8" Greek Erectheum Cap And Base For Fiberglass Columns	177.08	13.09
06 52 13 00-0037 EA 10" Greek Erectheum Cap And Base For Fiberglass Columns	213.31	15.27
06 52 13 00-0038 EA 12" Greek Erectheum Cap And Base For Fiberglass Columns	283.28	17.45
06 53 Plastic Decking (06 50)		
06 53 16 Plastic Stair Treads (06 53)		
06 53 16 00-0001 Fiberglass Reinforced Plastic Stair Treads (06 53 16)		
Note: Includes standard colors and anchors. Excludes stringers.		
06 53 16 00-0002 SF 12" Depth, 1/2" Thick, 1-1/2" Lip, Fiberglass Reinforced Plastic Stair Tread	48.32	5.31
06 60 Plastic Fabrications (06)		
06 65 Plastic Trim (06 60)		
06 65 00 00-0001 Plastic Moldings (06 65)		
Note: All dimensions are nominal.		
06 65 00 00-0002 Base, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0003 LF 3-1/2" High, Base, Plastic Molding	5.41	1.93
06 65 00 00-0004 LF 4-1/2" High, Base, Plastic Molding	6.60	2.41
06 65 00 00-0005 LF 3/4" x 1", Base Shoe, Plastic Molding	5.08	2.03
06 65 00 00-0006 Cornice, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0007 LF 1" x 2" Cornice, Plastic Molding	5.02	1.93
06 65 00 00-0008 LF 1" x 4" Cornice, Plastic Molding	6.11	2.03
06 65 00 00-0009 LF 1" x 6" Cornice, Plastic Molding	8.17	2.12
06 65 00 00-0010 LF 1" x 8" Cornice, Plastic Molding	9.32	2.22
06 65 00 00-0011 LF 1" x 10" Cornice, Plastic Molding	10.66	2.31
06 65 00 00-0012 LF 1" x 12" Cornice, Plastic Molding	13.46	2.41
06 65 00 00-0013 Crown Or Bed, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0014 LF 9/16" x 1-5/8" Crown Or Bed, Plastic Molding	8.50	1.93
06 65 00 00-0015 LF 9/16" x 2-1/4" Crown Or Bed, Plastic Molding	11.32	2.41
06 65 00 00-0016 LF 9/16" x 3-1/2" Crown Or Bed, Plastic Molding	11.76	2.41
06 65 00 00-0017 LF 9/16" x 3-5/8" Crown Or Bed, Plastic Molding	12.21	2.41
06 65 00 00-0018 LF 5/8" x 4-1/4" Crown Or Bed, Plastic Molding	15.85	2.90
06 65 00 00-0019 LF 11/16" x 4-5/8" Crown Or Bed, Plastic Molding	18.62	2.90
06 65 00 00-0020 Dentil, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0021 LF 11/16" x 1-3/8" Dentil, Plastic Molding	7.32	1.93
06 65 00 00-0022 LF 5/8" x 2-1/2" Dentil, Plastic Molding	8.16	1.93
06 65 00 00-0023 LF 1-3/8" x 3-3/8" Dentil, Plastic Molding	10.07	1.93
06 65 00 00-0024 LF 1-1/2" x 4-1/2" Dentil, Plastic Molding	13.35	1.93
06 65 00 00-0025 Cove, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0026 LF 3/8" x 3/8" Cove, Plastic Molding	2.88	1.07
06 65 00 00-0027 LF 1/2" x 1/2" Cove, Plastic Molding	3.10	1.07
06 65 00 00-0028 LF 5/8" x 5/8" Cove, Plastic Molding	4.05	1.26
06 65 00 00-0029 LF 3/4" x 3/4" Cove, Plastic Molding	4.05	1.26
06 65 00 00-0030 LF 15/16" x 15/16" Cove, Plastic Molding	5.04	1.26
06 65 00 00-0031 LF 9/16" x 1-3/4" Cove, Plastic Molding	6.56	1.45
06 65 00 00-0032 LF 11/16" x 2-3/4" Cove, Plastic Molding	8.65	1.45

06 Wood, Plastics, and Composites**06 60 Plastic Fabrications****06 65 Plastic Trim**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 65 00 00-0033			Chair Rail, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0034	LF		1/2" x 1-5/8" Chair Rail, Plastic Molding.....	4.76	1.45
06 65 00 00-0035	LF		5/8" x 2-1/2" Chair Rail, Plastic Molding.....	6.40	1.93
06 65 00 00-0036	LF		5/8" x 3-1/2" Chair Rail, Plastic Molding.....	7.68	1.93
06 65 00 00-0037			Door, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0038	LF		1-1/8" Wide, Door, Plastic Molding.....	4.23	1.74
06 65 00 00-0039	LF		1-1/8" Wide, Detailed Door, Plastic Molding.....	4.27	1.74
06 65 00 00-0040			Trim, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0041	LF		1/2" x 1/2" Quarter Round Trim, Plastic Molding.....	4.50	2.03
06 65 00 00-0042	LF		3/4" x 3/4" Quarter Round Trim, Plastic Molding.....	4.97	2.03
06 65 00 00-0043	LF		1-1/4" x 2" Brick Mould, Plastic Molding.....	5.16	1.93
06 65 00 00-0044	LF		1-17/32" x 1-1/2" x 1-3/8" Sill Nose, Plastic Molding.....	5.78	1.93
06 65 00 00-0045	LF		11/16" x 1-5/8" Drip Cap, Plastic Molding.....	4.57	1.93
06 65 00 00-0046	LF		2-3/4" x 2" Water Table, Plastic Molding.....	6.22	1.93
06 65 00 00-0047	LF		3/8" x 2" Garage Door Stop, Plastic Molding.....	4.91	1.93
06 65 00 00-0048			Extruded Polyvinyl Chloride (PVC) Trimboard (06 65)		
			Note: As manufactured by Azek or Kleer. All dimensions are nominal.		
06 65 00 00-0049	LF		1" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard.....	2.79	0.77
06 65 00 00-0050	LF		1" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard.....	3.87	0.86
06 65 00 00-0051	LF		1" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard.....	5.00	0.96
06 65 00 00-0052	LF		1" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard.....	5.95	0.99
06 65 00 00-0053	LF		1" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard.....	6.98	1.02
06 65 00 00-0054	LF		5/4" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard.....	3.33	0.77
06 65 00 00-0055	LF		5/4" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard.....	4.71	0.86
06 65 00 00-0056	LF		5/4" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard.....	5.93	0.96
06 65 00 00-0057	LF		5/4" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard.....	7.23	0.99
06 65 00 00-0058	LF		5/4" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard.....	8.42	1.02
06 65 00 00-0059	LF		3-1/2" x 3-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board.....	6.93	0.99
06 65 00 00-0060	LF		5-1/2" x 5-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board.....	9.06	1.02
06 65 00 00-0061	SF		1/2" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets.....	4.92	0.86
06 65 00 00-0062	SF		3/4" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets.....	6.97	0.96
06 70			Structural Composites (06)		
06 74			Composite Gratings (06 70)		
06 74 13			Fiberglass Reinforced Gratings (06 74)		
06 74 13 00-0001			Molded Fiberglass Gratings And Coverings (06 74 13)		
06 74 13 00-0002			Vi-Corr Resin System (06 74 13 00-0001)		
			Note: Orange or dark gray.		
06 74 13 00-0003	SF		1" Molded Fiberglass Grate, 1" x 4" Mesh, Vi-Corr Resin, Meniscus Top.....	32.76	1.62
06 74 13 00-0004	SF		1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top.....	31.83	1.62
06 74 13 00-0005	SF		1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top.....	41.45	1.62
06 74 13 00-0006	SF		2" Molded Fiberglass Grate, 2" x 2" Mesh, Vi-Corr Resin, Meniscus Top.....	44.93	2.07
06 74 13 00-0007	SF		1" Molded Fiberglass Grating, 1" x 4" Mesh, Vi-Corr Resin, Applied Grit Top.....	34.36	1.62
06 74 13 00-0008	SF		1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top.....	33.40	1.62
06 74 13 00-0009	SF		1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top.....	43.77	1.62
06 74 13 00-0010	SF		2" Molded Fiberglass Grating, 2" x 2" Mesh, Vi-Corr Resin, Applied Grit Top.....	47.12	2.07
06 74 13 00-0011	SF		1/4" Vi-Corr Resin Polyester Resin, Fiberplate Covering.....	30.99	1.30
06 74 13 00-0012	SF		1/2" Vi-Corr Resin Polyester Resin, Fiberplate Covering.....	50.09	1.43
06 74 13 00-0013	SF		3/4" Vi-Corr Resin Polyester Resin, Fiberplate Covering.....	68.57	1.57
06 74 13 00-0014			IFR Fire Retardant Isophthalic Resin (06 74 13 00-0001)		
06 74 13 00-0015	SF		1" Molded Fiberglass Grate, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top.....	30.15	1.62
06 74 13 00-0016	SF		1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top.....	28.26	1.62
06 74 13 00-0017	SF		1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top.....	36.28	1.62
06 74 13 00-0018	SF		2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top.....	39.20	2.07
06 74 13 00-0019	SF		1" Molded Fiberglass Grating, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top.....	31.47	1.62
06 74 13 00-0020	SF		1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top.....	29.01	1.62
06 74 13 00-0021	SF		1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top.....	39.48	2.07
06 74 13 00-0022	SF		2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top.....	41.36	2.07
06 74 13 00-0023	SF		1/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering.....	27.34	1.30
06 74 13 00-0024	SF		1/2" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering.....	38.64	1.43
06 74 13 00-0025	SF		3/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering.....	53.02	1.57
06 74 13 00-0026			Corvex Polyester Resin (06 74 13 00-0001)		
			Note: Dark gray.		
06 74 13 00-0027	SF		1" Molded Fiberglass Grate, 1" x 4" Mesh, Corvex Polyester Resin, Meniscus Top.....	25.63	1.62
06 74 13 00-0028	SF		1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top.....	24.62	1.62



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 74 13 00-0029 SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top.....	29.79	1.62
06 74 13 00-0030 SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Meniscus Top.....	34.27	2.07
06 74 13 00-0031 SF 1" Molded Fiberglass Grating, 1" x 4" Mesh, Corvex Polyester Resin, Applied Grit Top.....	27.29	1.62
06 74 13 00-0032 SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top.....	26.28	1.62
06 74 13 00-0033 SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top.....	31.72	1.62
06 74 13 00-0034 SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Applied Grit Top.....	35.93	2.07
06 74 13 00-0035 SF 1/4" Corvex Polyester Resin, Fiberplate Covering.....	24.17	1.30
06 74 13 00-0036 SF 1/2" Corvex Polyester Resin, Fiberplate Covering.....	38.48	1.43
06 74 13 00-0037 SF 3/4" Corvex Polyester Resin, Fiberplate Covering.....	53.29	1.57
06 74 13 00-0038 XFR Extra Fire Retardant (06 74 13 00-0001)		
06 74 13 00-0039 SF 1" Molded Fiberglass Grate, 1" x 4" Mesh, XFR Extra Fire Retardant, Meniscus Top.....	37.57	1.62
06 74 13 00-0040 SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top.....	36.49	1.62
06 74 13 00-0041 SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top.....	49.85	1.62
06 74 13 00-0042 SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Meniscus Top.....	53.31	2.07
06 74 13 00-0043 SF 1" Molded Fiberglass Grating, 1" x 4" Mesh XFR Extra Fire Retardant, Applied Grit Top.....	39.20	1.62
06 74 13 00-0044 SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top.....	38.14	1.62
06 74 13 00-0045 SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top.....	51.78	1.62
06 74 13 00-0046 SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Applied Grit Top.....	55.65	2.07
06 74 13 00-0047 SF 1/4" XFR Extra Fire Retardant Resin, Fiberplate Covering.....	35.47	1.30
06 74 13 00-0048 SF 1/2" XFR Extra Fire Retardant Resin, Fiberplate Covering.....	57.26	1.43
06 74 13 00-0049 ELS Extremely Low Smoke Resin (06 74 13 00-0001)		
06 74 13 00-0050 SF 1" Molded Fiberglass Grate, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top.....	38.53	1.62
06 74 13 00-0051 SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top.....	37.37	1.62
06 74 13 00-0052 SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top.....	48.52	1.62
06 74 13 00-0053 SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top.....	52.05	2.07
06 74 13 00-0054 SF 1" Molded Fiberglass Grating, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top.....	40.04	1.62
06 74 13 00-0055 SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top.....	39.08	1.62
06 74 13 00-0056 SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top.....	50.38	1.62
06 74 13 00-0057 SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top.....	53.93	2.07
06 74 13 00-0058 SF 1/4" ELS Extremity Low Smoke Resin, Fiberplate Covering.....	39.62	1.30
06 74 13 00-0059 SF 1/2" ELS Extremity Low Smoke Resin, Fiberplate Covering.....	71.29	1.43
06 74 13 00-0060 Pultruded Fiberglass Grating (06 74 13)		
06 74 13 00-0061 ISOFR Isophthalic Polyester Resin System (06 74 13 00-0060)		
Note: For moderately corrosive environments, green.		
06 74 13 00-0062 1" ISOFR Isophthalic Polyester Resin System (06 74 13 00-0061)		
06 74 13 00-0063 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin.....	27.47	2.07
06 74 13 00-0064 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin.....	24.41	1.62
06 74 13 00-0065 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin.....	31.03	2.07
06 74 13 00-0066 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin.....	28.72	1.62
06 74 13 00-0067 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin.....	21.49	2.07
06 74 13 00-0068 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin.....	19.06	1.62
06 74 13 00-0069 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin.....	24.58	2.07
06 74 13 00-0070 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin.....	22.21	1.62
06 74 13 00-0071 1-1/2" ISOFR Isophthalic Polyester Resin System (06 74 13 00-0061)		
06 74 13 00-0072 SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin.....	31.00	2.07
06 74 13 00-0073 SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin.....	28.02	1.62
06 74 13 00-0074 SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin.....	34.81	2.07
06 74 13 00-0075 SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin.....	32.67	1.62
06 74 13 00-0076 SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin.....	27.28	2.07
06 74 13 00-0077 SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin.....	24.91	1.62
06 74 13 00-0078 2" ISOFR Isophthalic Polyester Resin System (06 74 13 00-0061)		
06 74 13 00-0079 SF 2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin.....	27.00	2.07
06 74 13 00-0080 SF 2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin.....	29.84	2.07
06 74 13 00-0081 SF 2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin.....	36.01	2.07
06 74 13 00-0082 SF 2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin.....	34.00	2.07
06 74 13 00-0083 VEF Vinyl Ester Resin System (06 74 13 00-0060)		
06 74 13 00-0084 1" VEF Vinyl Ester Resin System (06 74 13 00-0083)		
06 74 13 00-0085 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VEF Vinyl Ester Resin.....	29.08	1.62
06 74 13 00-0086 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VEF Vinyl Ester Resin.....	26.02	1.62
06 74 13 00-0087 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VEF Vinyl Ester Resin.....	32.67	1.62
06 74 13 00-0088 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VEF Vinyl Ester Resin.....	37.48	1.62
06 74 13 00-0089 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, VEF Vinyl Ester Resin.....	22.37	1.62
06 74 13 00-0090 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, VEF Vinyl Ester Resin.....	20.01	1.62
06 74 13 00-0091 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VEF Vinyl Ester Resin.....	25.65	1.62
06 74 13 00-0092 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VEF Vinyl Ester Resin.....	23.55	1.62

06 Wood, Plastics, and Composites**06 70 Structural Composites****06 74 Composite Gratings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 74 13 00-0093 1-1/2" VERN Vinyl Ester Resin System (06 74 13 00-0083)		
06 74 13 00-0094 SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERN Vinyl Ester Resin	31.90	1.62
06 74 13 00-0095 SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERN Vinyl Ester Resin	28.88	1.62
06 74 13 00-0096 SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VERN Vinyl Ester Resin	36.44	1.62
06 74 13 00-0097 SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VERN Vinyl Ester Resin	34.04	1.62
06 74 13 00-0098 SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VERN Vinyl Ester Resin	28.69	1.62
06 74 13 00-0099 SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VERN Vinyl Ester Resin	26.45	1.62
06 74 13 00-0100 2" VERN Vinyl Ester Resin System (06 74 13 00-0083)		
06 74 13 00-0101 SF 2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERN Vinyl Ester Resin	28.35	2.07
06 74 13 00-0102 SF 2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERN Vinyl Ester Resin	26.16	2.07
06 74 13 00-0103 SF 2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, VERN Vinyl Ester Resin	37.91	2.07
06 74 13 00-0104 SF 2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, VERN Vinyl Ester Resin	36.82	2.07
06 80 Composite Fabrications (06)		
06 82 Composite Trim (06 80)		
06 82 00 00-0001 Fiberglass Castings (06 82)		
06 82 00 00-0002 Fiberglass Angle, Equal Legs (06 82 00 00-0001)		
06 82 00 00-0003 LF 1" x 1" x 1/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	7.56	2.70
06 82 00 00-0004 LF 1" x 1" x 1/8" Thick Fiberglass Angle, VERN Vinyl Ester Resin	7.89	2.70
06 82 00 00-0005 LF 3" x 3" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	13.74	3.24
06 82 00 00-0006 LF 3" x 3" x 1/4" Thick Fiberglass Angle, VERN Vinyl Ester Resin	15.11	3.24
06 82 00 00-0007 LF 4" x 4" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	15.19	3.24
06 82 00 00-0008 LF 4" x 4" x 1/4" Thick Fiberglass Angle, VERN Vinyl Ester Resin	16.18	3.24
06 82 00 00-0009 LF 4" x 4" x 3/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	17.51	3.24
06 82 00 00-0010 LF 4" x 4" x 3/8" Thick Fiberglass Angle, VERN Vinyl Ester Resin	19.62	3.24
06 82 00 00-0011 LF 6" x 6" x 1/2" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	46.23	4.04
06 82 00 00-0012 LF 6" x 6" x 1/2" Thick Fiberglass Angle, VERN Vinyl Ester Resin	53.05	4.04
06 82 00 00-0013 Fiberglass Channels (06 82 00 00-0001)		
06 82 00 00-0014 LF 3" x 1" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	8.75	4.04
06 82 00 00-0015 LF 3" x 1" x 1/4" Fiberglass Channel, VERN Vinyl Ester Resin	9.08	4.04
06 82 00 00-0016 LF 4" x 1 1/8" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	17.62	4.59
06 82 00 00-0017 LF 4" x 1 1/8" x 1/4" Fiberglass Channel, VERN Vinyl Ester Resin	17.62	4.59
06 82 00 00-0018 LF 6" x 1 11/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	27.20	4.59
06 82 00 00-0019 LF 6" x 1 11/16" x 3/8" Fiberglass Channel, VERN Vinyl Ester Resin	31.50	4.59
06 82 00 00-0020 LF 8" x 2 3/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	25.59	4.59
06 82 00 00-0021 LF 8" x 2 3/16" x 3/8" Fiberglass Channel, VERN Vinyl Ester Resin	31.01	4.59
06 82 00 00-0022 LF 10" x 2-3/4" x 1/2" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	39.02	6.30
06 82 00 00-0023 LF 10" x 2-3/4" x 1/2" Fiberglass Channel, VERN Vinyl Ester Resin	44.57	6.30
06 82 00 00-0024 Fiberglass Wide Flange Beams (06 82 00 00-0001)		
06 82 00 00-0025 LF 4" x 4" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	24.19	5.39
06 82 00 00-0026 LF 4" x 4" x 1/4" Fiberglass Wide Flange Beam, VERN Vinyl Ester Resin	26.34	5.39
06 82 00 00-0027 LF 6" x 6" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	30.86	6.48
06 82 00 00-0028 LF 6" x 6" x 1/4" Fiberglass Wide Flange Beam, VERN Vinyl Ester Resin	31.89	6.48
06 82 00 00-0029 LF 8" x 8" x 3/8" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	49.28	8.09
06 82 00 00-0030 LF 8" x 8" x 3/8" Fiberglass Wide Flange Beam, VERN Vinyl Ester Resin	61.40	8.09
06 82 00 00-0031 LF 10" x 10" x 1/2" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	107.69	9.89
06 82 00 00-0032 LF 10" x 10" x 1/2" Fiberglass Wide Flange Beam, VERN Vinyl Ester Resin	120.94	9.89
06 82 00 00-0033 Fiberglass Flat Sheet (06 82 00 00-0001)		
Note: Not to be used for bathroom board.		
06 82 00 00-0034 SF 1/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	20.03	4.59
06 82 00 00-0035 SF 1/8" Thick Fiberglass Flat Sheet, VERN Vinyl Ester Resin	20.88	4.59
06 82 00 00-0036 SF 1/4" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	31.07	5.39
06 82 00 00-0037 SF 1/4" Thick Fiberglass Flat Sheet, VERN Vinyl Ester Resin	35.57	5.39
06 82 00 00-0038 SF 3/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	41.98	6.48
06 82 00 00-0039 SF 3/8" Thick Fiberglass Flat Sheet, VERN Vinyl Ester Resin	48.74	6.48
06 82 00 00-0040 SF 1/2" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	56.48	8.09
06 82 00 00-0041 SF 1/2" Thick Fiberglass Flat Sheet, VERN Vinyl Ester Resin	66.82	8.09
06 82 00 00-0042 Fiberglass Bars (06 82 00 00-0001)		
06 82 00 00-0043 Square Bars (06 82 00 00-0042)		
06 82 00 00-0044 LF 1" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	12.02	3.24
06 82 00 00-0045 LF 1-1/4" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	17.02	4.77
06 82 00 00-0046 LF 1-1/2" Square Fiberglass Solid Square Bar, ISOFR Isophthalic Polyester Resin	19.92	6.30



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	06 82 00	00-0047		Round Bars (06 82 00 00-0042)		
	06 82 00	00-0048	LF	1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	7.86	2.70
	06 82 00	00-0049	LF	1" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	16.48	4.04
	06 82 00	00-0050	LF	1" Diameter Fiberglass Solid Round Bar, VERF Vinyl Ester Resin	18.53	4.04
	06 82 00	00-0051	LF	1-1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	24.28	4.04
	06 82 00	00-0052	LF	1-1/2" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	28.96	4.59
	06 82 00	00-0053		Fiberglass Tubes (06 82 00 00-0001)		
	06 82 00	00-0054		Square Tube (06 82 00 00-0053)		
	06 82 00	00-0055	LF	1" x 1" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin.....	8.79	2.70
	06 82 00	00-0056	LF	1" x 1" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin.....	9.45	2.70
	06 82 00	00-0057	LF	2" x 2" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin.....	12.83	3.24
	06 82 00	00-0058	LF	2" x 2" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin.....	14.00	3.24
	06 82 00	00-0059	LF	3" x 3" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin.....	24.03	4.04
	06 82 00	00-0060	LF	3" x 3" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin.....	26.73	4.04
	06 82 00	00-0061	LF	4" x 4" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin.....	28.29	4.86
	06 82 00	00-0062	LF	4" x 4" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin.....	35.82	4.86
	06 82 00	00-0063		Round Tube (06 82 00 00-0053)		
	06 82 00	00-0064	LF	1" Diameter x 1/8" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	8.44	2.70
	06 82 00	00-0065	LF	1" Diameter x 1/8" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin.....	8.74	2.70
	06 82 00	00-0066	LF	2" Diameter x 1/4" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	15.43	3.24
	06 82 00	00-0067	LF	2" Diameter x 1/4" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin.....	16.42	3.24
	06 82 00	00-0068		Fiberglass Threaded Rods (06 82 00 00-0001)		
	06 82 00	00-0069	LF	3/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin.....	11.05	2.07
	06 82 00	00-0070	LF	1/2" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin.....	11.74	2.07
	06 82 00	00-0071	LF	5/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin.....	13.47	2.33
	06 82 00	00-0072	LF	3/4" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin.....	14.80	2.33
	06 82 00	00-0073	LF	1" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin.....	16.30	2.33
	06 82 00	00-0074		Grating Support Legs, VEFR Resin (06 82 00 00-0001)		
	06 82 00	00-0075	EA	Grating Support Legs, Fixed Height With Base Miscellaneous Fiberglass Castings	20.95	
	06 82 00	00-0076	EA	Grate Support Legs Fixed Height Without Base Miscellaneous Fiberglass Castings	8.98	
	06 82 00	00-0077	EA	Grating Support Legs, Adjustable To 60" Miscellaneous Fiberglass Castings.....	33.75	
	06 82 00	00-0078		Fiberglass Netting (06 82 00 00-0001)		
	06 82 00	00-0079	SF	1/2" x 1/2" Mesh, Clear Flexible Fiberglass Netting.....	0.60	0.28
	06 82 00	00-0080	SF	1/2" x 2" Mesh, Clear Flexible Fiberglass Netting.....	0.60	0.28
	06 82 00	00-0081	SF	3/4" x 5/8" Mesh, Clear Flexible Fiberglass Netting.....	0.60	0.28
	06 82 00	00-0082	SF	7/8" x 7/8" Mesh, Clear Flexible Fiberglass Netting.....	0.60	0.28
	06 82 00	00-0083	SF	1" x 1" Mesh, Clear Flexible Fiberglass Netting.....	0.60	0.28
	06 82 00	00-0084	SF	1/2" x 1/2" Mesh, Green Flexible Fiberglass Netting.....	0.59	0.28
	06 82 00	00-0085	SF	1/2" x 2" Mesh, Green Flexible Fiberglass Netting.....	0.59	0.28
	06 82 00	00-0086	SF	3/4" x 5/8" Mesh, Green Flexible Fiberglass Netting.....	0.59	0.28
	06 82 00	00-0087	SF	7/8" x 7/8" Mesh, Green Flexible Fiberglass Netting.....	0.59	0.28
	06 82 00	00-0088	SF	1" x 1" Mesh, Green Flexible Fiberglass Netting.....	0.59	0.28
	06 82 00	00-0089		Fiberglass Stair Treads (06 82)		
	06 82 00	00-0090		Fiberglass Stair Treads (06 82 00 00-0089)		
	06 82 00	00-0091		10-1/2" Deep Isophthalic Resin System (06 82 00 00-0090)		
	06 82 00	00-0092	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System.....	75.98	14.12
	06 82 00	00-0093	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System.....	87.95	14.12
	06 82 00	00-0094	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System.....	99.92	14.12
	06 82 00	00-0095	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System.....	111.89	14.12
	06 82 00	00-0096	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System.....	83.16	14.12
	06 82 00	00-0097	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System.....	96.92	14.12
	06 82 00	00-0098	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System.....	110.69	14.12
	06 82 00	00-0099	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System.....	124.46	14.12
	06 82 00	00-0100	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System.....	94.17	14.12
	06 82 00	00-0101	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System.....	110.69	14.12
	06 82 00	00-0102	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System.....	127.21	14.12
	06 82 00	00-0103	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System.....	143.73	14.12
	06 82 00	00-0104		12" Deep Isophthalic Resin System (06 82 00 00-0090)		
	06 82 00	00-0105	EA	1" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System.....	82.82	14.12
	06 82 00	00-0106	EA	1" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System.....	96.50	14.12
	06 82 00	00-0107	EA	1" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System.....	110.18	14.12
	06 82 00	00-0108	EA	1" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System.....	123.86	14.12
	06 82 00	00-0109	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System.....	91.03	14.12

06 Wood, Plastics, and Composites**06 80 Composite Fabrications****06 82 Composite Trim**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
06 82 00 00-0110	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	106.76		14.12
06 82 00 00-0111	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	122.49		14.12
06 82 00 00-0112	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	138.22		14.12
06 82 00 00-0113	EA	2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	103.61		14.12
06 82 00 00-0114	EA	2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	122.49		14.12
06 82 00 00-0115	EA	2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	141.37		14.12
06 82 00 00-0116	EA	2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	160.25		14.12
06 82 00 00-0117		Other Fiberglass <small>(06 82)</small>			
06 82 00 00-0118		Fiberglass Splash Blocks <small>(06 82 00 00-0117)</small>			
06 82 00 00-0119	EA	Standard Size Fiberglass Splash Block	11.86		2.81
06 83		Composite Paneling <small>(06 80)</small>			
06 83 16		Fiberglass Reinforced Paneling <small>(06 83)</small>			
06 83 16 00-0001		Fiberglass Reinforced Polyester (FRP) Panels <small>(06 83 16)</small>			
		Note: Includes adhesive and trim.			
06 83 16 00-0002	SF	Fiberglass Reinforced Polyester (FRP) Paneling Including Adhesive And Trim	4.01		1.41

END OF SECTION 06



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 Thermal And Moisture Protection

07 01 Operation And Maintenance Of Thermal And Moisture Protection⁽⁰⁷⁾

07 01 50 Maintenance Of Membrane Roofing^(07 01)

07 01 50 19 Preparation For Re-Roofing^(07 01 50)

07 01 50 19-0001 Preparation For Re-Roofing^(07 01 50 19)

07 01 50 19-0002	SQ	Remove Pea Gravel Ballast From Roof, Vacuum And Disposal.....	20.12
07 01 50 19-0003	SQ	Remove Gravel Ballast From Roof, Vacuum And Disposal	35.51

07 01 50 81 Roof Replacement^(07 01 50)

07 01 50 81-0001 Roof Repair^(07 01 50 81)

Note: Less than 100 SF areas. Excludes mobilization of crew for small quantity of roof work. See CSI section 07 05 13 00-0001 for mobilization of crew for small quantity of roof work.

07 01 50 81-0002	SF	Roof Repair, Built-Up Roofing, Up To 10 SF	20.08
07 01 50 81-0003	SF	Roof Repair, Built-Up Roofing, >10 To 25 SF	18.07
07 01 50 81-0004	SF	Roof Repair, Built-Up Roofing, >25 To 50 SF	16.50
07 01 50 81-0005	SF	Roof Repair, Built-Up Roofing, >50 To 100 SF	15.34
07 01 50 81-0006	SF	Roof Repair, Membrane Roofing, Up To 10 SF	22.93
07 01 50 81-0007	SF	Roof Repair, Membrane Roofing, >10 To 25 SF	20.93
07 01 50 81-0008	SF	Roof Repair, Membrane Roofing, >25 To 50 SF	19.35
07 01 50 81-0009	SF	Roof Repair, Membrane Roofing, >50 To 100 SF	18.19
07 01 50 81-0010	SF	Roof Repair, Shingle Roofing, Up To 10 SF	17.23
07 01 50 81-0011	SF	Roof Repair, Shingle Roofing, >10 To 25 SF	15.51
07 01 50 81-0012	SF	Roof Repair, Shingle Roofing, >25 To 50 SF	14.23
07 01 50 81-0013	SF	Roof Repair, Shingle Roofing, >50 To 100 SF	13.35
07 01 50 81-0014	LF	Heat Weld Roofing Seams For Repair	5.84

07 01 50 81-0015 Emergency Roof Patch^(07 01 50 81)

Note: 4 Hour response time.

07 01 50 81-0016	EA	Granule Emergency Roof Patch Cover 16 SF	83.57
07 01 50 81-0017	EA	Mobilize For Emergency Roof Patching	353.52

07 01 50 81-0018 Adhesives^(07 01 50 81)

Note: For repair of seams.

07 01 50 81-0019 Mastic Sealer^(07 01 50 81-0018)

07 01 50 81-0020 Applied At Joints Only^(07 01 50 81-0019)

07 01 50 81-0021	LF	Mastic Sealer, 1/4" Bead At Joint.....	3.52
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1.51

07 01 50 91 Roofing Restoration^(07 01 50)

07 01 50 91-0001 Pressure Wash Membrane Roofing^(07 01 50 91)

07 01 50 91-0002	SF	Up To 2,500 PSI, Pressure Wash Membrane Roofing	0.13
		For Up To 100, Add	0.10
		For >100 To 250, Add	0.05
		For >250 To 500, Add	0.02
		For >5,000 To 10,000, Deduct	-0.01
		For >10,000 To 15,000, Deduct	-0.01
		For >15,000 To 30,000, Deduct	-0.02
		For >30,000, Deduct	-0.03

07 05 Common Work Results For Thermal And Moisture Protection

⁽⁰⁷⁾

07 05 13 Mobilization Of Crew For Small Quantity Of Roof Work^(07 05)

07 05 13 00-0001 Mobilization Of Crew For Small Quantity Of Roof Work^(07 05 13)

Note: For use with all roofing tasks where the total quantity of roof work is 4 squares or less.

07 05 13 00-0002	EA	Up To 1 SQ, Mobilization Of Crew For Small Quantity Of Roof Work.....	1,063.96
07 05 13 00-0003	EA	>1 To 2 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	796.05
07 05 13 00-0004	EA	>2 To 3 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	531.98
07 05 13 00-0005	EA	>3 To 4 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	265.35

07 10 Dampproofing And Waterproofing⁽⁰⁷⁾

Note: The following tasks are for application to vertical (walls and foundations) surfaces. For horizontal (flat) surfaces apply the appropriate modifier to reduce the labor cost. Waterproofing is the treatment of a surface or structure to PREVENT the passage of water under hydrostatic pressure. Dampproofing is the treatment of a surface or structure to RESIST the passage of water in the absence of

07 Thermal And Moisture Protection**07 10 Dampproofing And Waterproofing**

07 05 13 Mobilization Of Crew For Small Quantity Of Roof Work



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
hydrostatic pressure.		
07 11 Dampproofing (07 10)		
07 11 13 Bituminous Dampproofing (07 11)		
07 11 13 00-0001 Fibrous Asphalt Dampproofing, Brush, Roller Or Spray (07 11 13)		
07 11 13 00-0002 CSF 1 Coat, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray	123.46	
07 11 13 00-0003 CSF 2 Coats, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray	194.28	
07 11 13 00-0004 Fibrous Asphalt Dampproofing, Troweled On (07 11 13)		
07 11 13 00-0005 CSF Primer And 1 Coat, Fibrous Asphalt Dampproofing, Troweled On	208.74	
07 11 13 00-0006 CSF Primer And 2 Coats, Fibrous Asphalt Dampproofing, Troweled On	318.35	
07 11 13 00-0007 Asphaltic Paint Dampproofing (07 11 13)		
07 11 13 00-0008 CSF 1 Coat, Asphaltic Paint Dampproofing, Brushed On	100.80	
07 11 13 00-0009 CSF 2 Coats, Asphaltic Paint Dampproofing, Brushed On	185.65	
07 11 19 Sheet Dampproofing (07 11)		
07 11 19 00-0001 Neoprene (07 11 19)		
07 11 19 00-0002 SF 1/16" Patch Neoprene Roof (5-20 SF)	28.84	
07 13 Sheet Waterproofing (07 10)		
07 13 13 Bituminous Sheet Waterproofing (07 13)		
07 13 13 00-0001 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped (07 13)		
07 13 13 00-0002 CSF 1 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	218.35	86.18
<i>For 30 LB Felt, Add</i>	34.49	
<i>For Application To Horizontal Surfaces, Deduct</i>	-25.86	
07 13 13 00-0003 CSF 2 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	266.28	96.96
<i>For 30 LB Felt, Add</i>	54.27	
<i>For Application To Horizontal Surfaces, Deduct</i>	-29.09	
07 13 13 00-0004 CSF 3 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	314.19	107.73
<i>For 30 LB Felt, Add</i>	74.05	
<i>For Application To Horizontal Surfaces, Deduct</i>	-32.32	
07 13 13 00-0005 CSF 4 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	362.12	118.50
<i>For 30 LB Felt, Add</i>	93.83	
<i>For Application To Horizontal Surfaces, Deduct</i>	-35.55	
07 13 13 00-0006 CSF 5 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	410.03	129.27
<i>For 30 LB Felt, Add</i>	113.61	
<i>For Application To Horizontal Surfaces, Deduct</i>	-38.78	
07 13 13 00-0007 Asphalt Coated Protective Board (07 13 13)		
07 13 13 00-0008 CSF 1/8" Asphalt Coated Protective Board	216.03	85.25
<i>For Application To Horizontal Surfaces, Deduct</i>	-28.43	
07 13 13 00-0009 CSF 1/4" Asphalt Coated Protective Board	296.91	88.52
<i>For Application To Horizontal Surfaces, Deduct</i>	-29.51	
07 13 13 00-0010 CSF 3/8" Asphalt Coated Protective Board	394.45	92.24
<i>For Application To Horizontal Surfaces, Deduct</i>	-30.74	
07 13 13 00-0011 CSF 1/2" Asphalt Coated Protective Board	443.44	95.96
<i>For Application To Horizontal Surfaces, Deduct</i>	-31.99	
07 13 53 Elastomeric Sheet Waterproofing (07 13)		
07 13 53 00-0001 Rubberized Membrane Sheet (07 13 53)		
07 13 53 00-0002 SF 215 Mil Rubberized Asphalt Membrane Sheet, Vertical Surface	6.24	0.88
<i>For Floor Surfaces, Deduct</i>	-0.89	
07 13 53 00-0003 Ethylene Propylene Diene Monomer (EPDM) (07 13 53)		
07 13 53 00-0004 CSF 45 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	431.88	123.93
<i>For Application To Horizontal Surfaces, Deduct</i>	-37.17	
07 13 53 00-0005 CSF 60 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	516.84	123.93
<i>For Application To Horizontal Surfaces, Deduct</i>	-37.17	
07 13 53 00-0006 Butyl Sheet Waterproofing (07 13 53)		
07 13 53 00-0007 CSF 1/32" Butyl Sheet Waterproofing	99.48	30.98
<i>For Joint Taping, Add</i>	12.11	
<i>For Each Additional Ply, Add</i>	72.74	
<i>For Application To Horizontal Surfaces, Deduct</i>	-4.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 13 53 00-0008 CSF 1/16" Butyl Sheet Waterproofing..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	121.26 13.20 87.99 -4.66	30.98
07 13 53 00-0009 Butyl With Nylon (07 13 53)		
07 13 53 00-0010 CSF 1/32" Butyl Elastomeric Waterproofing With Nylon..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	111.93 12.74 81.46 -4.66	30.98
07 13 53 00-0011 CSF 1/16" Butyl Elastomeric Waterproofing With Nylon..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	125.93 13.44 91.26 -4.66	30.98
07 13 53 00-0012 Neoprene Sheet Waterproofing (07 13 53)		
07 13 53 00-0013 CSF 1/32" Neoprene Sheet Waterproofing..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	183.55 16.32 131.59 -4.66	30.98
07 13 53 00-0014 CSF 1/16" Neoprene Sheet Waterproofing..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	276.25 20.95 196.48 -4.66	30.98
07 13 53 00-0015 Neoprene With Nylon (07 13 53)		
07 13 53 00-0016 CSF 1/32" Neoprene Elastomeric Waterproofing With Nylon..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	193.23 16.80 138.37 -4.66	30.98
07 13 53 00-0017 CSF 1/16" Neoprene Elastomeric Waterproofing With Nylon..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	291.70 21.72 207.29 -4.66	30.98
07 13 53 00-0018 Plastic Vapor Barrier (Polyethylene) (07 13 53)		
07 13 53 00-0019 CSF 4 Mil Polyethylene Vapor Barrier..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	30.07 7.50 23.65 -3.91	11.77
07 13 53 00-0020 CSF 6 Mil Polyethylene Vapor Barrier..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	30.65 7.52 24.06 -3.91	11.77
07 13 53 00-0021 CSF 10 Mil Polyethylene Vapor Barrier..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	45.43 8.26 34.41 -3.91	11.77
07 13 53 00-0022 CSF 60 Mil Polyethylene Vapor Barrier With Bentonite..... <i>Note: Includes seam tape, liquid mastic, anchors and termination bar.</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	145.55 104.78 -4.34	11.77
07 13 53 00-0023 Plastic Vapor Barrier (PVC) (07 13 53)		
07 13 53 00-0024 CSF 10 Mil Polyvinyl Chloride (PVC) Vapor Barrier..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	50.70 8.53 38.10 -3.91	13.03
07 13 53 00-0025 CSF 20 Mil Polyvinyl Chloride (PVC) Vapor Barrier..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	69.62 9.70 51.44 -4.06	13.51
07 13 53 00-0026 CSF 30 Mil Polyvinyl Chloride (PVC) Vapor Barrier..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	95.21 11.19 69.44 -4.20	13.99
07 13 53 00-0027 Vinyl Plastic Vapor Barrier (07 13 53)		
07 13 53 00-0028 CSF Tu-Tuf 4, 4 Mil Vinyl Plastic Vapor Barrier With Fiberglass Insulation At Joints.....	35.17	12.06
07 14 Fluid-Applied Waterproofing (07 10)		
07 14 13 Hot Fluid-Applied Rubberized Asphalt Waterproofing (07 14)		
07 14 13 00-0001 Hot Applied Rubberized Asphalt Waterproofing Coating (07 14 13)		

07 Thermal And Moisture Protection**07 10 Dampproofing And Waterproofing****07 14 Fluid-Applied Waterproofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 14 13 00-0002 SF 90 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface.....	1.67	
Note: Includes primer.		
For Application To Horizontal Surfaces, Deduct	-0.17	
For Reinforcing Fabric, Add	0.35	
07 14 13 00-0003 SF 125 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface.....	1.92	
Note: Includes primer.		
For Application To Horizontal Surfaces, Deduct	-0.17	
For Reinforcing Fabric, Add	0.35	
07 14 16 Cold Fluid-Applied Waterproofing (07 14)		
07 14 16 00-0001 Fluid Applied Rubber Based Polyurethane (07 14 16)		
07 14 16 00-0002 SF 60 Mil Thick, Fluid Applied, Rubber Base, Polyurethane Applied In 2 Coats.....	3.25	
For Application To Horizontal Surfaces, Deduct	-0.37	
07 14 16 00-0003 SF 90 Mil Thick, Fluid Applied, Rubber Base, Polyurethane Applied In 2 Coats.....	3.75	
For Application To Horizontal Surfaces, Deduct	-0.39	
07 14 16 00-0004 SF 120 Mil Thick, Fluid Applied, Rubber Base, Polyurethane Applied In 2 Coats.....	4.29	
For Application To Horizontal Surfaces, Deduct	-0.42	
07 14 16 00-0005 One Part Solution Of Chlorosulfonated Polyethylene Polymer (07 14 16)		
07 14 16 00-0006 SF Chlorosulfonated Polyethylene Polymer 1 Part Solution, 15 Mil, Finish Coat.....	2.24	
07 14 16 00-0007 Copolymer Compound (07 14 16)		
07 14 16 00-0008 SF Fluid Elastomeric Copolymer Compound For Slabs 32 Mil.....	3.49	
07 14 16 00-0009 Fluid Applied Neoprene (07 14 16)		
07 14 16 00-0010 CSF Fluid Neoprene, 1/8" Fiberglass Reinforced.....	398.34	
For Application To Horizontal Surfaces, Deduct	-45.15	
07 14 16 00-0011 CSF Fluid Neoprene, 50 Mil, 4 Coats.....	834.62	
For Application To Horizontal Surfaces, Deduct	-88.56	
07 14 16 00-0012 CSF Fluid Neoprene, 90 Mil, 4 Coats.....	1,373.59	
For Application To Horizontal Surfaces, Deduct	-132.78	
07 16 Cementitious And Reactive Waterproofing (07 10)		
07 16 13 Polymer Modified Cement Waterproofing (07 16)		
07 16 13 00-0001 SF Polymer Modified Cementitious Waterproofing Assembly, 2 Coats.....	3.62	
Note: As manufactured by Thoro Consumer Products. Includes Thoroseal, Acryl 60, acrylic waterproof coating and white pigmented acrylic copolymer primer.		
07 16 16 Crystalline Waterproofing (07 16)		
07 16 16 00-0001 SF Crystalline Cementitious Waterproofing. 2 Coats (Xypex Concentrate).....	4.29	
07 16 19 Metal Oxide Waterproofing (07 16)		
07 16 19 00-0001 Metallic Oxide Waterproofing (07 16 19)		
Note: Includes one broom applied bond coat and three brush applied waterproof coats. Excludes concrete repairs to subbase and final protective concrete surface coat. See CSI section 03 54 16 00-0001 for self leveling underlayment for concrete floors, 09 24 33 00-0001 for cement parging.		
07 16 19 00-0002 CSF Catalyzed Metallic Waterproofing Treatment, Metal Oxide Waterproofing (Euclid Iron Waterpeller).....	371.60	
For Application To Horizontal Surfaces, Deduct	-48.84	
07 17 Bentonite Waterproofing (07 10)		
07 17 13 Bentonite Panel Waterproofing (07 17)		
07 17 13 00-0001 CSF 3/16" Bentonite Waterproofing Panels.....	380.80	101.71
For Application To Horizontal Surfaces, Deduct	-30.52	
07 17 13 00-0002 CSF 1/4" Bentonite Waterproofing Panels.....	344.12	107.46
For Application To Horizontal Surfaces, Deduct	-33.03	
07 17 13 00-0003 CSF 5/8" Bentonite Waterproofing Panels.....	483.04	112.07
For Application To Horizontal Surfaces, Deduct	-33.61	
07 17 13 00-0004 CSF 3/8" Granular Bentonite, Troweled.....	389.00	93.21
For Application To Horizontal Surfaces, Deduct	-27.95	
07 19 Water Repellents (07 10)		
07 19 13 Acrylic Sealer (07 19)		
Note: Per coat.		
07 19 13 00-0001 SF Acrylic Sealer, Spray On Concrete.....	1.90	
07 19 13 00-0002 SF Acrylic Sealer, Spray On Concrete Block/Brick.....	2.27	
07 19 13 00-0003 SF Acrylic Sealer, Spray On Stone.....	2.49	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 19 16 Silane Water Repellents (07 19)

07 19 16 00-0001 Silane Concrete Sealer <small>(07 19 16)</small>					
07 19 16 00-0002	SF		Spray On Concrete, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB)	0.45	
07 19 16 00-0003	SF		Spray On Concrete Block/Brick, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB)	0.67	
07 19 16 00-0004 Silane/Siloxane Concrete Sealer <small>(07 19 16)</small>					
07 19 16 00-0005	SF		Spray On Concrete, Solvent Based, Silane/Siloxane Concrete Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40)	0.77	
			Note: 40% silane, alcohol based.		
07 19 16 00-0006	SF		Spray On Concrete Block/Brick, Solvent Based, Silane/Siloxane Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40)	1.11	
			Note: 40% silane, alcohol based.		
07 19 16 00-0007	SF		Spray On Concrete, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB)	0.32	
			Note: 200 SF/GAL		
07 19 16 00-0008	SF		Spray On Concrete Block/Masonry, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB)	0.46	

07 20 Thermal Protection (07)

07 21 Thermal Insulation (07 20)

07 21 13 Board Insulation (07 21)

Note: Types are stock sizes, mastic applied. See CSI section 07 22 16 00-0001 for rigid insulation for roofs.

07 21 13 13 Foam Board Insulation (07 21 13)

07 21 13 13-0001 Foam Glass (Cellular Glass), Foam Board Insulation <small>(07 21 13 13)</small>					
07 21 13 13-0002	SF	1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation	2.59	0.33	
		<i>For Horizontal Surface Application, Deduct</i>	-0.06		
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05		
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16		
		<i>For Mechanically Fastened To Concrete, Add</i>	1.02		
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.23		
07 21 13 13-0003	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation	3.58	0.34	
		<i>For Horizontal Surface Application, Deduct</i>	-0.06		
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05		
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14		
		<i>For Mechanically Fastened To Concrete, Add</i>	1.08		
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.23		
07 21 13 13-0004	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation	4.25	0.34	
		<i>For Horizontal Surface Application, Deduct</i>	-0.06		
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05		
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14		
		<i>For Mechanically Fastened To Concrete, Add</i>	1.08		
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.24		
07 21 13 13-0005	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation	5.58	0.35	
		<i>For Horizontal Surface Application, Deduct</i>	-0.06		
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05		
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.10		
		<i>For Mechanically Fastened To Concrete, Add</i>	1.15		
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.33		
07 21 13 13-0006 Expanded Polystyrene, Foam Board Insulation <small>(07 21 13 13)</small>					
07 21 13 13-0007	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	1.19	0.33	
		<i>For Horizontal Surface Application, Deduct</i>	-0.06		
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05		
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16		
		<i>For Mechanically Fastened To Concrete, Add</i>	1.02		
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.23		
07 21 13 13-0008	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	1.25	0.33	
		<i>For Horizontal Surface Application, Deduct</i>	-0.06		
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05		
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16		
		<i>For Mechanically Fastened To Concrete, Add</i>	1.02		
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.23		
07 21 13 13-0009	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	1.41	0.33	
		<i>For Horizontal Surface Application, Deduct</i>	-0.06		
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05		
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16		
		<i>For Mechanically Fastened To Concrete, Add</i>	1.02		
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.23		
07 21 13 13-0010	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	1.57	0.33	
		<i>For Horizontal Surface Application, Deduct</i>	-0.06		
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05		
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16		
		<i>For Mechanically Fastened To Concrete, Add</i>	1.02		
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.23		

07 Thermal And Moisture Protection

07 20 Thermal Protection

07 21 Thermal Insulation



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0011	SF		2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	2.22	0.34
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.08	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.24	
07 21 13 13-0012	SF		3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	2.86	0.35
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.10	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.15	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.33	
07 21 13 13-0013	SF		4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	3.50	0.36
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	-0.02	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.27	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.41	
07 21 13 13-0014	SF		5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	4.15	0.36
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.04	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.36	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.49	
07 21 13 13-0015	SF		6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	4.80	0.37
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.30	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.66	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.61	
07 21 13 13-0016			Extruded Polystyrene, Foam Board Insulation (07 21 13 13)		
			Note: 15 PSI compressive strength.		
07 21 13 13-0017	SF		3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation.....	1.34	0.33
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	
			<i>For 25 PSI Compressive Strength, Add</i>	0.13	
			<i>For 40 PSI Compressive Strength, Add</i>	0.30	
			<i>For 60 PSI Compressive Strength, Add</i>	0.49	
			<i>For 115 PSI Compressive Strength, Add</i>	2.09	
07 21 13 13-0018	SF		1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation.....	1.54	0.33
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	
			<i>For 25 PSI Compressive Strength, Add</i>	0.16	
			<i>For 40 PSI Compressive Strength, Add</i>	0.38	
			<i>For 60 PSI Compressive Strength, Add</i>	0.60	
			<i>For 115 PSI Compressive Strength, Add</i>	2.60	
07 21 13 13-0019	SF		3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation.....	1.71	0.33
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	
			<i>For 25 PSI Compressive Strength, Add</i>	0.19	
			<i>For 40 PSI Compressive Strength, Add</i>	0.44	
			<i>For 60 PSI Compressive Strength, Add</i>	0.70	
			<i>For 115 PSI Compressive Strength, Add</i>	3.04	
07 21 13 13-0020	SF		1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation.....	1.80	0.33
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	
			<i>For 25 PSI Compressive Strength, Add</i>	0.20	
			<i>For 40 PSI Compressive Strength, Add</i>	0.48	
			<i>For 60 PSI Compressive Strength, Add</i>	0.75	
			<i>For 115 PSI Compressive Strength, Add</i>	3.27	
07 21 13 13-0021	SF		2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation.....	2.68	0.34
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.08	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.24	
			<i>For 25 PSI Compressive Strength, Add</i>	0.34	
			<i>For 40 PSI Compressive Strength, Add</i>	0.80	
			<i>For 60 PSI Compressive Strength, Add</i>	1.25	
			<i>For 115 PSI Compressive Strength, Add</i>	5.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0022 SF 3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation	3.56	0.35
<i>For Horizontal Surface Application, Deduct</i>	-0.06	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.10	
<i>For Mechanically Fastened To Concrete, Add</i>	1.15	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.33	
<i>For 25 PSI Compressive Strength, Add</i>	0.48	
<i>For 40 PSI Compressive Strength, Add</i>	1.13	
<i>For 60 PSI Compressive Strength, Add</i>	1.76	
<i>For 115 PSI Compressive Strength, Add</i>	7.72	
07 21 13 13-0023 SF 4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation	4.00	0.36
<i>For Horizontal Surface Application, Deduct</i>	-0.06	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	-0.02	
<i>For Mechanically Fastened To Concrete, Add</i>	1.27	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.41	
<i>For 25 PSI Compressive Strength, Add</i>	0.55	
<i>For 40 PSI Compressive Strength, Add</i>	1.30	
<i>For 60 PSI Compressive Strength, Add</i>	2.01	
<i>For 115 PSI Compressive Strength, Add</i>	8.82	
07 21 13 16 Fibrous Board Insulation (07 21 13)		
07 21 13 16-0001 Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation (07 21 13 16)		
07 21 13 16-0002 SF 1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation	1.72	0.41
<i>For Horizontal Surface Application, Deduct</i>	-0.07	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	
07 21 13 16-0003 SF 2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation	2.51	0.50
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	1.08	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.24	
07 21 13 16-0004 SF 3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation	3.29	0.58
<i>For Horizontal Surface Application, Deduct</i>	-0.10	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.10	
<i>For Mechanically Fastened To Concrete, Add</i>	1.15	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.33	
07 21 13 16-0005 Fiberglass, Fibrous Board Insulation (07 21 13 16)		
07 21 13 16-0006 SF 1" Thick, R4.2, Fiberglass, Fibrous Board Insulation	2.97	0.33
<i>For Horizontal Surface Application, Deduct</i>	-0.06	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	
07 21 13 16-0007 SF 1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation	3.31	0.34
<i>For Horizontal Surface Application, Deduct</i>	-0.06	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	1.08	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	
07 21 13 16-0008 SF 2" Thick, R8.0, Fiberglass, Fibrous Board Insulation	4.05	0.34
<i>For Horizontal Surface Application, Deduct</i>	-0.06	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	1.08	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.24	
07 21 13 16-0009 SF 2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation	4.65	0.34
<i>For Horizontal Surface Application, Deduct</i>	-0.06	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.10	
<i>For Mechanically Fastened To Concrete, Add</i>	1.15	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.30	
07 21 13 16-0010 SF 3" Thick, R12.4, Fiberglass, Fibrous Board Insulation	5.25	0.35
<i>For Horizontal Surface Application, Deduct</i>	-0.06	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.10	
<i>For Mechanically Fastened To Concrete, Add</i>	1.15	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.33	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**07 21 13 19 Mineral Board Insulation** (07 21 13)**07 21 13 19-0001 High-Density Fiberboard, Mineral Board Insulation** (07 21 13 19)

07 21 13 19-0002	SF 1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation	1.32	0.37
	<i>For Horizontal Surface Application, Deduct</i>	-0.06	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Factory Painted On One Surface Add</i>	0.17	
	<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	
07 21 13 19-0003	SF 25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation	1.56	0.39
	<i>For Horizontal Surface Application, Deduct</i>	-0.07	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Factory Painted On One Surface Add</i>	0.17	
	<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	
07 21 13 19-0004	SF 1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation	1.80	0.41
	<i>For Horizontal Surface Application, Deduct</i>	-0.07	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Factory Painted On One Surface Add</i>	0.17	
	<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	
07 21 13 19-0005	SF 1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation	2.23	0.46
	<i>For Horizontal Surface Application, Deduct</i>	-0.08	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Factory Painted On One Surface Add</i>	0.17	
	<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.08	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	
07 21 13 19-0006	SF 2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation	2.66	0.50
	<i>For Horizontal Surface Application, Deduct</i>	-0.08	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Factory Painted On One Surface Add</i>	0.17	
	<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.08	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.24	
07 21 13 19-0007	SF 3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation	3.53	0.58
	<i>For Horizontal Surface Application, Deduct</i>	-0.10	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Factory Painted On One Surface Add</i>	0.17	
	<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.10	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.15	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.33	

07 21 16 Blanket Insulation (07 21)

Note: All insulation rolls or batts applied to wood or steel studs or between rafters or between metal building "skin" and framing.

07 21 16 00-0001 Fiberglass Flexible Insulation (07 21 16)

Note: Rolls or batts.

07 21 16 00-0002 Kraft Faced, Fiberglass Flexible Insulation (07 21 16 00-0001)

07 21 16 00-0003	SF 3-1/2" Thick, Kraft Faced, R-11 Fiberglass Flexible Insulation.....	1.21	0.37
	<i>For >1,600, Deduct</i>	-0.11	
07 21 16 00-0004	SF 3-1/2" Thick, Kraft Faced, R-13 Fiberglass Flexible Insulation.....	1.31	0.37
	<i>For >1,600, Deduct</i>	-0.12	
07 21 16 00-0005	SF 3-1/2" Thick, Kraft Faced, R-15 Fiberglass Flexible Insulation.....	1.35	0.37
	<i>For >1,600, Deduct</i>	-0.13	
07 21 16 00-0006	SF 5-1/2" Thick, Kraft Faced, R-21 Fiberglass Flexible Insulation.....	1.78	0.37
	<i>For >1,600, Deduct</i>	-0.20	
07 21 16 00-0007	SF 6-1/4" Thick, Kraft Faced, R-19 Fiberglass Flexible Insulation.....	1.46	0.37
	<i>For >1,600, Deduct</i>	-0.15	
07 21 16 00-0008	SF 9-1/2" Thick, Kraft Faced, R-30 Fiberglass Flexible Insulation.....	2.27	0.46
	<i>For >1,600, Deduct</i>	-0.24	
07 21 16 00-0009	SF 12" Thick, Kraft Faced, R-38 Fiberglass Flexible Insulation.....	2.42	0.46
	<i>For >1,600, Deduct</i>	-0.26	

07 21 16 00-0010 Unfaced, Fiberglass Flexible Insulation (07 21 16 00-0001)

07 21 16 00-0011	SF 3-1/2" Thick, Unfaced, R-11 Fiberglass Flexible Insulation.....	1.15	0.37
	<i>For >1,600, Deduct</i>	-0.10	
07 21 16 00-0012	SF 3-1/2" Thick, Unfaced, R-13 Fiberglass Flexible Insulation.....	1.26	0.37
	<i>For >1,600, Deduct</i>	-0.12	
07 21 16 00-0013	SF 3-1/2" Thick, Unfaced, R-15 Fiberglass Flexible Insulation.....	1.69	0.37
	<i>For >1,600, Deduct</i>	-0.18	
07 21 16 00-0014	SF 5-1/2" Thick, Unfaced, R-21 Fiberglass Flexible Insulation.....	1.71	0.37
	<i>For >1,600, Deduct</i>	-0.18	
07 21 16 00-0015	SF 6-1/4" Thick, Unfaced, R-19 Fiberglass Flexible Insulation.....	1.41	0.37
	<i>For >1,600, Deduct</i>	-0.14	
07 21 16 00-0016	SF 9-1/2" Thick, Unfaced, R-30 Fiberglass Flexible Insulation.....	2.14	0.46
	<i>For >1,600, Deduct</i>	-0.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 16 00-0017 SF 12" Thick, Unfaced, R-38 Fiberglass Flexible Insulation..... <i>For >1,600, Deduct</i>	2.34 -0.25	0.46
07 21 16 00-0018 Foil Faced, Fiberglass Flexible Insulation (07 21 16 00-0001)		
07 21 16 00-0019 SF 3-1/2" Thick, Foil Faced, R-11 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	1.39 -0.14	0.37
07 21 16 00-0020 SF 3-1/2" Thick, Foil Faced, R-13 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	1.56 -0.16	0.37
07 21 16 00-0021 SF 6-1/4" Thick, Foil Faced, R-19 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	1.69 -0.18	0.37
07 21 16 00-0022 SF 10-1/4" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	2.54 -0.28	0.46
07 21 16 00-0023 SF 12" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	2.74 -0.31	0.46
07 21 16 00-0024 Poly-Encapsulated, Fiberglass Flexible Insulation (07 21 16 00-0001)		
07 21 16 00-0025 SF 3-1/2" Thick, Poly-Encapsulated, R-11 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	1.25 -0.12	0.37
07 21 16 00-0026 SF 3-1/2" Thick, Poly-Encapsulated, R-13 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	1.35 -0.13	0.37
07 21 16 00-0027 SF 5-1/2" Thick, Poly-Encapsulated, R-21 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	1.84 -0.20	0.37
07 21 16 00-0028 SF 6-1/2" Thick, Poly-Encapsulated, R-19 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	1.48 -0.15	0.37
07 21 16 00-0029 SF 8-1/4" Thick, Poly-Encapsulated, R-25 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	2.27 -0.24	0.46
07 21 16 00-0030 SF 10-1/4" Thick, Poly-Encapsulated, R-30 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	2.34 -0.25	0.46
07 21 16 00-0031 Mineral Wool Flexible Insulation (07 21 16)		
07 21 16 00-0032 Kraft Faced, Mineral Wool Flexible Insulation (07 21 16 00-0031)		
07 21 16 00-0033 SF 3-1/2" Kraft Faced, R-11 Mineral Wool Flexible Insulation..... <i>For >1,600, Deduct</i>	1.36 -0.13	0.37
07 21 16 00-0034 SF 6-1/4" Kraft Faced, R-19 Mineral Wool Flexible Insulation..... <i>For >1,600, Deduct</i>	1.81 -0.19	0.37
07 21 16 00-0035 SF 9-1/2" Kraft Faced, R-30 Mineral Wool Flexible Insulation..... <i>For >1,600, Deduct</i>	2.91 -0.34	0.37
07 21 16 00-0036 SF 12" Kraft Faced, R-38 Mineral Wool Flexible Insulation..... <i>For >1,600, Deduct</i>	3.32 -0.41	0.37
07 21 16 00-0037 Unfaced, Mineral Wool Flexible Insulation (07 21 16 00-0031)		
07 21 16 00-0038 SF 3-1/2" Unfaced, R-11 Mineral Wool Flexible Insulation..... <i>For >1,600, Deduct</i>	1.27 -0.12	0.37
07 21 16 00-0039 SF 6-1/4" Unfaced, R-19 Mineral Wool Flexible Insulation..... <i>For >1,600, Deduct</i>	1.66 -0.17	0.37
07 21 16 00-0040 SF 9-1/2" Unfaced, R-30 Mineral Wool Flexible Insulation <i>For >1,600, Deduct</i>	2.61 -0.30	0.37
07 21 16 00-0041 SF 12" Unfaced, R-38 Mineral Wool Flexible Insulation <i>For >1,600, Deduct</i>	2.96 -0.35	0.37
07 21 16 00-0042 Natural Cotton Insulation (07 21 16)		
07 21 16 00-0043 UltraTouch Natural Cotton Insulation (07 21 16 00-0042)		
Note: 85% recycled denim cotton.		
07 21 16 00-0044 SF 3-1/2", R-13 UltraTouch Natural Cotton Insulation..... <i>For >1,600, Deduct</i>	1.88 -0.21	0.37
07 21 16 00-0045 SF 5-1/2", R-19 UltraTouch Natural Cotton Insulation..... <i>For >1,600, Deduct</i>	2.13 -0.24	0.37
07 21 16 00-0046 SF 5-1/2", R-21 UltraTouch Natural Cotton Insulation..... <i>For >1,600, Deduct</i>	2.38 -0.28	0.37
07 21 16 00-0047 SF 8", R-30 UltraTouch Natural Cotton Insulation..... <i>For >1,600, Deduct</i>	3.24 -0.39	0.37
07 21 19 Foamed-In-Place Insulation (07 21)		
07 21 19 00-0001 Polyurethane Foam Insulation, Sprayed On (07 21 19)		
07 21 19 00-0002 SF 1" Thick, R3.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	1.04	
07 21 19 00-0003 SF 2" Thick, R7.6, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	1.73	
07 21 19 00-0004 SF 3" Thick, R11.4, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	2.43	
07 21 19 00-0005 SF 4" Thick, R15.2, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	3.12	
07 21 19 00-0006 SF 5" Thick, R19.0, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	3.82	
07 21 19 00-0007 SF 6" Thick, R22.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	4.51	
07 21 19 00-0008 SF 1" Thick, R6.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	2.00	
07 21 19 00-0009 SF 2" Thick, R13.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	3.12	
07 21 19 00-0010 SF 3" Thick, R19.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	4.24	
07 21 19 00-0011 SF 4" Thick, R26.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	5.36	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 19 00-0012	SF		5" Thick, R32.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	6.48	
07 21 19 00-0013	SF		6" Thick, R39.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	7.60	
07 21 23			Loose-Fill Insulation (07 21)		
07 21 23 00-0001			Poured Type, Loose Fill Insulation (07 21 23)		
07 21 23 00-0002	CF		R-3.5/Inch, Poured Type, Fiberglass Loose Fill Insulation.....	5.53	2.12
07 21 23 00-0003	CF		R-3.7/Inch, Poured Type, Cellulose Loose Fill Insulation.....	5.96	2.12
07 21 23 00-0004			Concrete Block Wall Cavity Insulation (07 21 23)		
07 21 23 00-0005	CF		R-2.7, Vermiculite Or Perlite, Concrete Block Wall Cavity Insulation.....	7.84	2.12
07 21 23 00-0006	CF		R-4, Polystyrene Foam, Concrete Block Wall Cavity Insulation.....	7.76	2.12
07 21 26			Blown Insulation (07 21)		
07 21 26 00-0001			Fiberglass Blown-In Insulation (07 21 26)		
07 21 26 00-0002			Attic, Fiberglass Blown-In Insulation (07 21 26 00-0001)		
07 21 26 00-0003	SF		3-3/4" Thick, R-13 Attic, Fiberglass Blown In Insulation.....	1.24	0.93
07 21 26 00-0004	SF		6-1/4" Thick, R-19 Attic, Fiberglass Blown In Insulation.....	1.57	1.11
07 21 26 00-0005	SF		7-1/4" Thick, R-22 Attic, Fiberglass Blown In Insulation.....	1.74	1.21
07 21 26 00-0006	SF		10-1/4" Thick, R-30 Attic, Fiberglass Blown In Insulation.....	2.04	1.30
07 21 26 00-0007	SF		12-3/4" Thick, R-38 Attic, Fiberglass Blown In Insulation.....	2.34	1.40
07 21 26 00-0008	SF		13-1/2" Thick, R-40 Attic, Fiberglass Blown In Insulation.....	2.54	1.49
07 21 26 00-0009	SF		14-3/4" Thick, R-44 Attic, Fiberglass Blown In Insulation.....	2.60	1.49
07 21 26 00-0010	SF		16-1/2" Thick, R-49 Attic, Fiberglass Blown In Insulation.....	2.73	1.49
07 21 26 00-0011	SF		19" Thick, R-56 Attic, Fiberglass Blown In Insulation.....	3.03	1.49
07 21 26 00-0012	SF		21" Thick, R-60 Attic, Fiberglass Blown In Insulation.....	3.04	1.49
07 21 26 00-0013			New Wall, Fiberglass Blown-In Insulation (07 21 26 00-0001)		
07 21 26 00-0014	SF		3-1/2" Thick, R-15 New Wall, Fiberglass Blown In Insulation.....	1.77	0.93
07 21 26 00-0015	SF		5-1/2" Thick, R-23 New Wall, Fiberglass Blown In Insulation.....	2.37	1.11
07 21 26 00-0016	SF		7-1/4" Thick, R-31 New Wall, Fiberglass Blown In Insulation.....	2.82	1.21
07 21 26 00-0017	SF		9-1/4" Thick, R-39 New Wall, Fiberglass Blown In Insulation.....	3.37	1.30
07 21 26 00-0018			Existing Wall, Fiberglass Blown-In Insulation (07 21 26 00-0001)		
			Note: Includes drilling. Excludes patching.		
07 21 26 00-0019	SF		3-1/2" Thick, R-15 Existing Wall, Fiberglass Blown In Insulation	1.67	0.93
07 21 26 00-0020	SF		5-1/2" Thick, R-23 Existing Wall, Fiberglass Blown In Insulation	2.27	1.11
07 21 26 00-0021	SF		7-1/4" Thick, R-31 Existing Wall, Fiberglass Blown In Insulation	2.73	1.21
07 21 26 00-0022	SF		9-1/4" Thick, R-39 Existing Wall, Fiberglass Blown In Insulation	3.27	1.30
07 21 26 00-0023			Cellulose Blown-In Insulation (07 21 26)		
07 21 26 00-0024			Attic, Cellulose Blown-In Insulation (07 21 26 00-0023)		
07 21 26 00-0025	SF		3-3/4" Thick, R-13 Attic, Cellulose Blown In Insulation.....	1.26	0.93
07 21 26 00-0026	SF		5-1/2" Thick, R-19 Attic, Cellulose Blown In Insulation.....	1.53	1.03
07 21 26 00-0027	SF		6-1/4" Thick, R-22 Attic, Cellulose Blown In Insulation.....	1.70	1.11
07 21 26 00-0028	SF		7-3/4" Thick, R-28 Attic, Cellulose Blown In Insulation.....	2.00	1.21
07 21 26 00-0029	SF		8-1/2" Thick, R-30 Attic, Cellulose Blown In Insulation.....	2.04	1.21
07 21 26 00-0030	SF		10-1/2" Thick, R-38 Attic, Cellulose Blown In Insulation.....	2.39	1.30
07 21 26 00-0031	SF		11" Thick, R-40 Attic, Cellulose Blown In Insulation.....	2.46	1.30
07 21 26 00-0032	SF		13-3/4" Thick, R-50 Attic, Cellulose Blown In Insulation.....	2.89	1.40
07 21 26 00-0033	SF		16-1/2" Thick, R-60 Attic, Cellulose Blown In Insulation.....	3.30	1.49
07 21 26 00-0034			New Wall, Cellulose Blown-In Insulation (07 21 26 00-0023)		
07 21 26 00-0035	SF		3-1/2" Thick, R-13 New Wall, Cellulose Blown In Insulation	1.72	0.93
07 21 26 00-0036	SF		5-1/2" Thick, R-20 New Wall, Cellulose Blown In Insulation	2.30	1.11
07 21 26 00-0037	SF		7-1/4" Thick, R-27 New Wall, Cellulose Blown In Insulation	2.73	1.21
07 21 26 00-0038	SF		9-1/4" Thick, R-34 New Wall, Cellulose Blown In Insulation	3.24	1.30
07 21 26 00-0039			Existing Wall, Cellulose Blown-In Insulation (07 21 26 00-0023)		
			Note: Includes drilling. Excludes patching.		
07 21 26 00-0040	SF		3-1/2" Thick, R-13 Existing Wall, Cellulose Blown In Insulation	1.63	0.93
07 21 26 00-0041	SF		5-1/2" Thick, R-20 Existing Wall, Cellulose Blown In Insulation	2.21	1.11
07 21 26 00-0042	SF		7-1/4" Thick, R-27 Existing Wall, Cellulose Blown In Insulation	2.63	1.21
07 21 26 00-0043	SF		9-1/4" Thick, R-34 Existing Wall, Cellulose Blown In Insulation	3.15	1.30
07 21 29			Sprayed Insulation (07 21)		
07 21 29 00-0001			Fiber Sprayed On Insulation (07 21 29)		
07 21 29 00-0002	SF		1" Spray, R2.7 Perlite Insulation	2.04	0.58



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 29 00-0003 SF 1" Spray, R3.7 Fibrous/Cementitious Insulation	1.48	0.58
07 21 29 00-0004 Cellulose Sprayed On Insulation (07 21 29)		
07 21 29 00-0005 SF 1" Thick - Cellulose Spray-on Insulation	2.93	0.58
07 21 53 Reflective Insulation (07 21)		
07 21 53 00-0001 Reflective Barrier Insulation (Foil - Single Bubble - Foil) (07 21 53)		
07 21 53 00-0002 SF 3/16" Nominal Thickness, Reflective Barrier Insulation, With Single Bubble Air Space	0.79	
07 22 Roof And Deck Insulation (07 20)		
07 22 16 Roof Board Insulation (07 22)		
Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. Types are stock sizes set in cold applied adhesive. Apply modifiers for specified alternate attachment.		
07 22 16 00-0001 Rigid Board Roofing Insulation (07 22 16)		
07 22 16 00-0002 High-Density Fiberboard, Roof Board Insulation (07 22 16 00-0001)		
07 22 16 00-0003 SF 1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation	1.65	
<i>For Hot-Mopped, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	
07 22 16 00-0004 SF 25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation	1.91	
<i>For Hot-Mopped, Deduct</i>	-0.15	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	
07 22 16 00-0005 SF 1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation	2.17	
<i>For Hot-Mopped, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	
07 22 16 00-0006 SF 1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation	2.63	
<i>For Hot-Mopped, Deduct</i>	-0.13	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	1.08	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	
07 22 16 00-0007 SF 2" Thick, R5, High-Density Fiberboard, Roof Board Insulation	3.10	
<i>For Hot-Mopped, Deduct</i>	-0.12	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	1.08	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.24	
07 22 16 00-0008 Wood Fiber (Cellulosic-Fiber), Roof Board Insulation (07 22 16 00-0001)		
07 22 16 00-0009 SF 1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation.....	1.78	
<i>For Hot-Mopped, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	
07 22 16 00-0010 SF 1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation.....	2.09	
<i>For Hot-Mopped, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	
07 22 16 00-0011 Perlite, Roof Board Insulation (07 22 16 00-0001)		
07 22 16 00-0012 SF 1/2" Thick, R1.32, Perlite, Roof Board Insulation.....	1.60	
<i>For Hot-Mopped, Deduct</i>	-0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	
07 22 16 00-0013 SF 3/4" Thick, R2.08, Perlite, Roof Board Insulation.....	1.74	
<i>For Hot-Mopped, Deduct</i>	-0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	
07 22 16 00-0014 SF 1" Thick, R2.78, Perlite, Roof Board Insulation.....	1.92	
<i>For Hot-Mopped, Deduct</i>	-0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	
07 22 16 00-0015 SF 1-1/2" Thick, R4.17, Perlite, Roof Board Insulation.....	2.36	
<i>For Hot-Mopped, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	1.08	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof And Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0016	SF		2" Thick, R5.56, Perlite, Roof Board Insulation	2.63	
			<i>For Hot-Mopped, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.08	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.24	
07 22 16 00-0017			Basalt Mineral Wool, Roof Board Insulation (07 22 16 00-0001)		
07 22 16 00-0018	SF		1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation	2.16	
			<i>For Hot-Mopped, Deduct</i>	-0.17	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	
07 22 16 00-0019	SF		2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation	2.85	
			<i>For Hot-Mopped, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.08	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.24	
07 22 16 00-0020	SF		3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation	3.67	
			<i>For Hot-Mopped, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.10	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.15	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.33	
07 22 16 00-0021			Foam Glass (Cellular Glass), Roof Board Insulation (07 22 16 00-0001)		
07 22 16 00-0022	SF		1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation	3.88	
			<i>For Hot-Mopped, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.08	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	
07 22 16 00-0023	SF		2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation	4.55	
			<i>For Hot-Mopped, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.08	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.24	
07 22 16 00-0024	SF		2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation	5.89	
			<i>For Hot-Mopped, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.10	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.15	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.33	
07 22 16 00-0025	SF		3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation	7.21	
			<i>For Hot-Mopped, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.02	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.27	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.38	
07 22 16 00-0026			Molded Expanded Polystyrene, Roof Board Insulation (07 22 16 00-0001)		
07 22 16 00-0027	SF		3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	1.55	
			<i>For Loose-Laid, Deduct</i>	-0.84	
			<i>For Hot-Mopped, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	
07 22 16 00-0028	SF		1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	1.61	
			<i>For Loose-Laid, Deduct</i>	-0.84	
			<i>For Hot-Mopped, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	
07 22 16 00-0029	SF		3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	1.78	
			<i>For Loose-Laid, Deduct</i>	-0.84	
			<i>For Hot-Mopped, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	
07 22 16 00-0030	SF		1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	1.94	
			<i>For Loose-Laid, Deduct</i>	-0.84	
			<i>For Hot-Mopped, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	
07 22 16 00-0031	SF		2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	2.59	
			<i>For Loose-Laid, Deduct</i>	-0.85	
			<i>For Hot-Mopped, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.08	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.24	
07 22 16 00-0032	SF		3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	3.25	
			<i>For Loose-Laid, Deduct</i>	-0.87	
			<i>For Hot-Mopped, Deduct</i>	-0.15	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.10	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.15	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0033 SF 4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	3.91	
<i>For Loose-Laid, Deduct</i>	-0.88	
<i>For Hot-Mopped, Deduct</i>	-0.15	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.02	
<i>For Mechanically Fastened To Concrete, Add</i>	1.27	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.41	
07 22 16 00-0034 SF 5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	4.56	
<i>For Loose-Laid, Deduct</i>	-0.89	
<i>For Hot-Mopped, Deduct</i>	-0.15	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.04	
<i>For Mechanically Fastened To Concrete, Add</i>	1.36	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.49	
07 22 16 00-0035 SF 6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	5.23	
<i>For Loose-Laid, Deduct</i>	-0.91	
<i>For Hot-Mopped, Deduct</i>	-0.15	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.30	
<i>For Mechanically Fastened To Concrete, Add</i>	1.66	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.61	
07 22 16 00-0036 Extruded Polystyrene, Roof Board Insulation (07 22 16 00-0001)		
Note: 15 PSI compressive strength.		
07 22 16 00-0037 SF 3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation	2.00	
<i>For Loose-Laid, Deduct</i>	-0.80	
<i>For Hot-Mopped, Deduct</i>	-0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	
<i>For 25 PSI Compressive Strength, Add</i>	0.19	
<i>For 40 PSI Compressive Strength, Add</i>	0.44	
<i>For 60 PSI Compressive Strength, Add</i>	0.71	
<i>For 115 PSI Compressive Strength, Add</i>	3.07	
07 22 16 00-0038 SF 1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation	2.10	
<i>For Loose-Laid, Deduct</i>	-0.81	
<i>For Hot-Mopped, Deduct</i>	-0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	
<i>For 25 PSI Compressive Strength, Add</i>	0.20	
<i>For 40 PSI Compressive Strength, Add</i>	0.48	
<i>For 60 PSI Compressive Strength, Add</i>	0.77	
<i>For 115 PSI Compressive Strength, Add</i>	3.30	
07 22 16 00-0039 SF 1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation	2.53	
<i>For Loose-Laid, Deduct</i>	-0.81	
<i>For Hot-Mopped, Deduct</i>	-0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	1.08	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	
<i>For 25 PSI Compressive Strength, Add</i>	0.27	
<i>For 40 PSI Compressive Strength, Add</i>	0.64	
<i>For 60 PSI Compressive Strength, Add</i>	1.02	
<i>For 100 PSI Compressive Strength, Add</i>	1.30	
<i>For 115 PSI Compressive Strength, Add</i>	4.40	
07 22 16 00-0040 SF 2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation	2.98	
<i>For Loose-Laid, Deduct</i>	-0.82	
<i>For Hot-Mopped, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	1.08	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.24	
<i>For 25 PSI Compressive Strength, Add</i>	0.34	
<i>For 40 PSI Compressive Strength, Add</i>	0.80	
<i>For 60 PSI Compressive Strength, Add</i>	1.27	
<i>For 115 PSI Compressive Strength, Add</i>	5.51	
07 22 16 00-0041 SF 2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation	3.41	
<i>For Loose-Laid, Deduct</i>	-0.82	
<i>For Hot-Mopped, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.10	
<i>For Mechanically Fastened To Concrete, Add</i>	1.15	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.30	
<i>For 25 PSI Compressive Strength, Add</i>	0.41	
<i>For 40 PSI Compressive Strength, Add</i>	0.97	
<i>For 60 PSI Compressive Strength, Add</i>	1.52	
<i>For 100 PSI Compressive Strength, Add</i>	1.95	
<i>For 115 PSI Compressive Strength, Add</i>	6.61	
07 22 16 00-0042 SF 3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation	3.87	
<i>For Loose-Laid, Deduct</i>	-0.83	
<i>For Hot-Mopped, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.10	
<i>For Mechanically Fastened To Concrete, Add</i>	1.15	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.33	
<i>For 25 PSI Compressive Strength, Add</i>	0.48	
<i>For 40 PSI Compressive Strength, Add</i>	1.13	
<i>For 60 PSI Compressive Strength, Add</i>	1.77	
<i>For 115 PSI Compressive Strength, Add</i>	7.75	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof And Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0043	SF		4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation	4.32	
			<i>For Loose-Laid, Deduct</i>	-0.84	
			<i>For Hot-Mopped, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.02	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.27	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.41	
			<i>For 25 PSI Compressive Strength, Add</i>	0.55	
			<i>For 40 PSI Compressive Strength, Add</i>	1.30	
			<i>For 60 PSI Compressive Strength, Add</i>	2.02	
			<i>For 115 PSI Compressive Strength, Add</i>	8.85	
07 22 16 00-0044			Polysocyanurate Board Roofing Insulation (07 22 16 00-0001)		
07 22 16 00-0045	SF		3/4" Thick, R4.3, Polysocyanurate, Roof Board Insulation	1.81	
			<i>For Loose-Laid, Deduct</i>	-0.80	
			<i>For Hot-Mopped, Deduct</i>	-0.17	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.10	
07 22 16 00-0046	SF		1" Thick, R5.7, Polysocyanurate, Roof Board Insulation	1.88	
			<i>For Loose-Laid, Deduct</i>	-0.81	
			<i>For Hot-Mopped, Deduct</i>	-0.17	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.10	
07 22 16 00-0047	SF		1-1/2" Thick, R8.6, Polysocyanurate, Roof Board Insulation	1.98	
			<i>For Loose-Laid, Deduct</i>	-0.81	
			<i>For Hot-Mopped, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.08	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.11	
07 22 16 00-0048	SF		2" Thick, R11.4, Polysocyanurate, Roof Board Insulation	2.23	
			<i>For Loose-Laid, Deduct</i>	-0.82	
			<i>For Hot-Mopped, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.08	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.24	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.14	
07 22 16 00-0049	SF		2-1/2" Thick, R14.4, Polysocyanurate, Roof Board Insulation	2.49	
			<i>For Loose-Laid, Deduct</i>	-0.82	
			<i>For Hot-Mopped, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.10	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.15	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.30	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.16	
07 22 16 00-0050	SF		3" Thick, R17.4, Polysocyanurate, Roof Board Insulation	2.74	
			<i>For Loose-Laid, Deduct</i>	-0.83	
			<i>For Hot-Mopped, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.10	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.15	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.33	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.19	
07 22 16 00-0051	SF		3-1/2" Thick, R20.5, Polysocyanurate, Roof Board Insulation	3.02	
			<i>For Loose-Laid, Deduct</i>	-0.83	
			<i>For Hot-Mopped, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.02	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.27	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.38	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.21	
07 22 16 00-0052	SF		4" Thick, R23.6, Polysocyanurate, Roof Board Insulation	3.26	
			<i>For Loose-Laid, Deduct</i>	-0.84	
			<i>For Hot-Mopped, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.02	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.27	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.41	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.24	
07 22 16 00-0053			High-Density Polysocyanurate Cover Board And Roofing Insulation (07 22 16 00-0001)		
07 22 16 00-0054	SF		1/2" Thick, R2.5, High-Density Polysocyanurate Cover Board And Roofing Insulation	2.05	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0055 Gypsum-Fiber, Roof Board Insulation (USG Securock) <small>(07 22 16 00-0001)</small>		
07 22 16 00-0056 SF 1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum)	1.95	
<i>For Hot-Mopped, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	
07 22 16 00-0057 SF 3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum)	2.06	
<i>For Hot-Mopped, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	
07 22 16 00-0058 SF 1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum)	2.13	
<i>For Hot-Mopped, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	
07 22 16 00-0059 SF 5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum)	2.16	
<i>For Hot-Mopped, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	
07 22 16 00-0060 Glass-Mat, Roof Board Insulation (USG Securock) <small>(07 22 16 00-0001)</small>		
07 22 16 00-0061 SF 1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat)	1.92	
<i>For Hot-Mopped, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	
07 22 16 00-0062 SF 1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat)	2.07	
<i>For Hot-Mopped, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	
07 22 16 00-0063 SF 5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat)	2.11	
<i>For Hot-Mopped, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	
07 22 16 00-0064 Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation <small>(07 22 16 00-0001)</small>		
Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.		
07 22 16 00-0065 SF 1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation.....	3.23	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	1.08	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.24	
07 22 16 00-0066 SF 2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation.....	3.37	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	1.08	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.24	
07 22 16 00-0067 SF 2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation.....	3.58	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.10	
<i>For Mechanically Fastened To Concrete, Add</i>	1.15	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.30	
07 22 16 00-0068 SF 3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation.....	3.71	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.10	
<i>For Mechanically Fastened To Concrete, Add</i>	1.15	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.33	
07 22 16 00-0069 SF 3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation.....	4.00	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.02	
<i>For Mechanically Fastened To Concrete, Add</i>	1.27	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.38	
07 22 16 00-0070 SF 4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation.....	4.13	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.02	
<i>For Mechanically Fastened To Concrete, Add</i>	1.27	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.41	
07 22 16 00-0071 SF 4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation.....	4.36	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.04	
<i>For Mechanically Fastened To Concrete, Add</i>	1.36	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.49	
07 22 16 00-0072 Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation <small>(07 22 16 00-0001)</small>		
Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.		
07 22 16 00-0073 SF 2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	3.26	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.10	
<i>For Mechanically Fastened To Concrete, Add</i>	1.15	
<i>For Mechanically Fastened To Gypsum, Add</i>	1.30	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof And Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0074	SF		3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	3.51	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.10	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.15	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.33	
07 22 16 00-0075	SF		3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	3.83	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.02	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.27	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.38	
07 22 16 00-0076	SF		4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	4.03	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.02	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.27	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.41	
07 22 16 00-0077	SF		4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	4.29	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.04	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.36	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.49	
07 22 16 00-0078	SF		5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	4.58	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.04	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.36	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.49	
07 22 16 00-0079	SF		5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	5.11	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.30	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.66	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.61	
07 22 16 00-0080			Rigid Board Tapered Roofing Insulation <small>(07 22 16)</small> Note: Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or coverboard.		
07 22 16 00-0081			Tapered Polyisocyanurate Board <small>(07 22 16 00-0080)</small> Note: Includes polyurethane adhesive.		
07 22 16 00-0082			1/8" Slope, Tapered Polyisocyanurate Board <small>(07 22 16 00-0081)</small>		
07 22 16 00-0083	SF		2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	3.15	
			<i>For 25 PSI Compressive Strength, Add</i>	0.19	
			<i>For Hot-Mopped, Deduct</i>	-0.12	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.14	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.28	
07 22 16 00-0084	SF		2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	4.51	
			<i>For 25 PSI Compressive Strength, Add</i>	0.22	
			<i>For Hot-Mopped, Deduct</i>	-0.25	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.10	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.15	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.30	
07 22 16 00-0085	SF		3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	4.84	
			<i>For 25 PSI Compressive Strength, Add</i>	0.26	
			<i>For Hot-Mopped, Deduct</i>	-0.25	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.10	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.15	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.33	
07 22 16 00-0086	SF		3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	5.17	
			<i>For 25 PSI Compressive Strength, Add</i>	0.29	
			<i>For Hot-Mopped, Deduct</i>	-0.25	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	-0.02	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.27	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.38	
07 22 16 00-0087	SF		4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	5.51	
			<i>For 25 PSI Compressive Strength, Add</i>	0.32	
			<i>For Hot-Mopped, Deduct</i>	-0.25	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	-0.02	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.27	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.41	
07 22 16 00-0088	SF		4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	6.86	
			<i>For 25 PSI Compressive Strength, Add</i>	0.36	
			<i>For Hot-Mopped, Deduct</i>	-0.38	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.04	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.36	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.49	
07 22 16 00-0089	SF		5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	7.20	
			<i>For 25 PSI Compressive Strength, Add</i>	0.39	
			<i>For Hot-Mopped, Deduct</i>	-0.38	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.04	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.36	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0090 SF 5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	7.53	
<i>For 25 PSI Compressive Strength, Add</i>	0.42	
<i>For Hot-Mopped, Deduct</i>	-0.38	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.30	
<i>For Mechanically Fastened To Concrete, Add</i>	1.66	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.61	
07 22 16 00-0091 SF 6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	7.86	
<i>For 25 PSI Compressive Strength, Add</i>	0.46	
<i>For Hot-Mopped, Deduct</i>	-0.38	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.30	
<i>For Mechanically Fastened To Concrete, Add</i>	1.66	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.61	
07 22 16 00-0092 SF 6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	9.23	
<i>For 25 PSI Compressive Strength, Add</i>	0.49	
<i>For Hot-Mopped, Deduct</i>	-0.49	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.32	
<i>For Mechanically Fastened To Concrete, Add</i>	1.68	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.77	
07 22 16 00-0093 1/4" Slope, Tapered Polyisocyanurate Board <small>(07 22 16 00-0081)</small>		
07 22 16 00-0094 SF 2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board	2.98	
<i>For 25 PSI Compressive Strength, Add</i>	0.17	
<i>For Hot-Mopped, Deduct</i>	-0.12	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08	
<i>For Mechanically Fastened To Concrete, Add</i>	1.14	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.28	
07 22 16 00-0095 SF 3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board	4.67	
<i>For 25 PSI Compressive Strength, Add</i>	0.24	
<i>For Hot-Mopped, Deduct</i>	-0.25	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.10	
<i>For Mechanically Fastened To Concrete, Add</i>	1.15	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.30	
07 22 16 00-0096 SF 4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board	5.34	
<i>For 25 PSI Compressive Strength, Add</i>	0.31	
<i>For Hot-Mopped, Deduct</i>	-0.25	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	-0.02	
<i>For Mechanically Fastened To Concrete, Add</i>	1.27	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.38	
07 22 16 00-0097 SF 5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board	7.03	
<i>For 25 PSI Compressive Strength, Add</i>	0.37	
<i>For Hot-Mopped, Deduct</i>	-0.38	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.04	
<i>For Mechanically Fastened To Concrete, Add</i>	1.36	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.49	
07 22 16 00-0098 SF 6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board	7.70	
<i>For 25 PSI Compressive Strength, Add</i>	0.44	
<i>For Hot-Mopped, Deduct</i>	-0.38	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.30	
<i>For Mechanically Fastened To Concrete, Add</i>	1.66	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.61	
07 22 16 00-0099 SF 7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board	9.39	
<i>For 25 PSI Compressive Strength, Add</i>	0.51	
<i>For Hot-Mopped, Deduct</i>	-0.49	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.32	
<i>For Mechanically Fastened To Concrete, Add</i>	1.68	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.77	
07 22 16 00-0100 1/2" Slope, Tapered Polyisocyanurate Board <small>(07 22 16 00-0081)</small>		
07 22 16 00-0101 SF 3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board	5.01	
<i>For 25 PSI Compressive Strength, Add</i>	0.27	
<i>For Hot-Mopped, Deduct</i>	-0.25	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.10	
<i>For Mechanically Fastened To Concrete, Add</i>	1.15	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.33	
07 22 16 00-0102 SF 5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board	7.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.41	
<i>For Hot-Mopped, Deduct</i>	-0.38	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.04	
<i>For Mechanically Fastened To Concrete, Add</i>	1.36	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.49	
07 22 16 00-0103 SF 7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board	9.73	
<i>For 25 PSI Compressive Strength, Add</i>	0.54	
<i>For Hot-Mopped, Deduct</i>	-0.49	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.32	
<i>For Mechanically Fastened To Concrete, Add</i>	1.68	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.77	
07 22 16 00-0104 SF 9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board	12.09	
<i>For 25 PSI Compressive Strength, Add</i>	0.67	
<i>For Hot-Mopped, Deduct</i>	-0.62	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.65	
<i>For Mechanically Fastened To Concrete, Add</i>	2.11	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof And Deck Insulation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0105		Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0080) Note: Includes polyurethane adhesive.		
07 22 16 00-0106		1/8" Slope, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0105)		
07 22 16 00-0107	SF	2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) <i>For Mechanically Fastened To Wood Or Steel, Deduct</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.78 -0.08 1.14 1.28	
07 22 16 00-0108	SF	2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) <i>For Mechanically Fastened To Wood Or Steel, Deduct</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	4.14 -0.10 1.15 1.30	
07 22 16 00-0109	SF	3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) <i>For Mechanically Fastened To Wood Or Steel, Deduct</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	4.39 -0.10 1.15 1.33	
07 22 16 00-0110	SF	3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) <i>For Mechanically Fastened To Wood Or Steel, Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	4.64 -0.02 1.27 1.38	
07 22 16 00-0111	SF	4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) <i>For Mechanically Fastened To Wood Or Steel, Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	4.89 -0.02 1.27 1.41	
07 22 16 00-0112	SF	4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) <i>For Mechanically Fastened To Wood Or Steel, Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	6.25 0.04 1.36 1.49	
07 22 16 00-0113	SF	5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) <i>For Mechanically Fastened To Wood Or Steel, Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	6.50 0.04 1.36 1.49	
07 22 16 00-0114	SF	5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) <i>For Mechanically Fastened To Wood Or Steel, Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	6.75 0.30 1.66 1.61	
07 22 16 00-0115	SF	6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) <i>For Mechanically Fastened To Wood Or Steel, Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	7.00 0.30 1.66 1.61	
07 22 16 00-0116	SF	6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) <i>For Mechanically Fastened To Wood Or Steel, Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	8.37 0.32 1.68 1.77	
07 22 16 00-0117		1/4" Slope, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0105)		
07 22 16 00-0118	SF	2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) <i>For Mechanically Fastened To Wood Or Steel, Deduct</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.65 -0.08 1.14 1.28	
07 22 16 00-0119	SF	3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) <i>For Mechanically Fastened To Wood Or Steel, Deduct</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	4.26 -0.10 1.15 1.30	
07 22 16 00-0120	SF	4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) <i>For Mechanically Fastened To Wood Or Steel, Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	4.76 -0.02 1.27 1.38	
07 22 16 00-0121	SF	5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) <i>For Mechanically Fastened To Wood Or Steel, Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	6.37 0.04 1.36 1.49	
07 22 16 00-0122	SF	6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) <i>For Mechanically Fastened To Wood Or Steel, Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	6.87 0.30 1.66 1.61	
07 22 16 00-0123	SF	7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) <i>For Mechanically Fastened To Wood Or Steel, Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	8.49 0.32 1.68 1.77	
07 22 16 00-0124		1/2" Slope, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0105)		
07 22 16 00-0125	SF	3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) <i>For Mechanically Fastened To Wood Or Steel, Deduct</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	4.51 -0.10 1.15 1.33	
07 22 16 00-0126	SF	5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) <i>For Mechanically Fastened To Wood Or Steel, Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	6.62 0.04 1.36 1.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0127 SF 7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS)	8.74	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.32	
<i>For Mechanically Fastened To Concrete, Add</i>	1.68	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.77	
07 22 16 00-0128 SF 9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS)	11.11	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.65	
<i>For Mechanically Fastened To Concrete, Add</i>	2.11	
07 22 16 00-0129 Tapered Extruded Polystyrene Board (XEPS) <small>(07 22 16 00-0080)</small>		
Note: Includes polyurethane adhesive.		
07 22 16 00-0130 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) <small>(07 22 16 00-0129)</small>		
07 22 16 00-0131 SF 2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	3.08	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08	
<i>For Mechanically Fastened To Concrete, Add</i>	1.14	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.28	
07 22 16 00-0132 SF 2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	4.43	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.10	
<i>For Mechanically Fastened To Concrete, Add</i>	1.15	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.30	
07 22 16 00-0133 SF 3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	4.75	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.10	
<i>For Mechanically Fastened To Concrete, Add</i>	1.15	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.33	
07 22 16 00-0134 SF 3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	5.07	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	-0.02	
<i>For Mechanically Fastened To Concrete, Add</i>	1.27	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.38	
07 22 16 00-0135 SF 4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	5.38	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	-0.02	
<i>For Mechanically Fastened To Concrete, Add</i>	1.27	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.41	
07 22 16 00-0136 SF 4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	6.74	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.04	
<i>For Mechanically Fastened To Concrete, Add</i>	1.36	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.49	
07 22 16 00-0137 SF 5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	7.06	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.04	
<i>For Mechanically Fastened To Concrete, Add</i>	1.36	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.49	
07 22 16 00-0138 SF 5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	7.37	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.30	
<i>For Mechanically Fastened To Concrete, Add</i>	1.66	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.61	
07 22 16 00-0139 SF 6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	7.69	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.30	
<i>For Mechanically Fastened To Concrete, Add</i>	1.66	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.61	
07 22 16 00-0140 SF 6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	9.06	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.32	
<i>For Mechanically Fastened To Concrete, Add</i>	1.68	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.77	
07 22 16 00-0141 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) <small>(07 22 16 00-0129)</small>		
07 22 16 00-0142 SF 2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)	2.92	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08	
<i>For Mechanically Fastened To Concrete, Add</i>	1.14	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.28	
07 22 16 00-0143 SF 3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)	4.59	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.10	
<i>For Mechanically Fastened To Concrete, Add</i>	1.15	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.30	
07 22 16 00-0144 SF 4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)	5.22	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	-0.02	
<i>For Mechanically Fastened To Concrete, Add</i>	1.27	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.38	
07 22 16 00-0145 SF 5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)	6.90	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.04	
<i>For Mechanically Fastened To Concrete, Add</i>	1.36	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.49	
07 22 16 00-0146 SF 6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)	7.53	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.30	
<i>For Mechanically Fastened To Concrete, Add</i>	1.66	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.61	
07 22 16 00-0147 SF 7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)	9.21	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.32	
<i>For Mechanically Fastened To Concrete, Add</i>	1.68	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.77	
07 22 16 00-0148 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) <small>(07 22 16 00-0129)</small>		

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof And Deck Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0149 SF 3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS).....	4.91	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.10	
For Mechanically Fastened To Concrete, Add	1.15	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.33	
07 22 16 00-0150 SF 5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS).....	7.21	
For Mechanically Fastened To Wood Or Steel, Add	0.04	
For Mechanically Fastened To Concrete, Add	1.36	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.49	
07 22 16 00-0151 SF 7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS).....	9.53	
For Mechanically Fastened To Wood Or Steel, Add	0.32	
For Mechanically Fastened To Concrete, Add	1.68	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.77	
07 22 16 00-0152 SF 9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS).....	11.85	
For Mechanically Fastened To Wood Or Steel, Add	0.65	
For Mechanically Fastened To Concrete, Add	2.11	
07 22 16 00-0153 Tapered Perlite Board (07 22 16 00-0080)		
Note: Includes polyurethane adhesive.		
07 22 16 00-0154 1/8" Slope, Tapered Perlite Board (07 22 16 00-0153)		
07 22 16 00-0155 SF 2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board	4.00	
For Hot-Mopped, Deduct	-0.12	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.08	
For Mechanically Fastened To Concrete, Add	1.14	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.28	
07 22 16 00-0156 SF 2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board	5.19	
For Hot-Mopped, Deduct	-0.25	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.10	
For Mechanically Fastened To Concrete, Add	1.15	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.30	
07 22 16 00-0157 SF 3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board	5.71	
For Hot-Mopped, Deduct	-0.25	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.10	
For Mechanically Fastened To Concrete, Add	1.15	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.33	
07 22 16 00-0158 SF 3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board	6.23	
For Hot-Mopped, Deduct	-0.25	
For Mechanically Fastened To Wood Or Steel, Add	-0.02	
For Mechanically Fastened To Concrete, Add	1.27	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.38	
07 22 16 00-0159 SF 4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board	6.75	
For Hot-Mopped, Deduct	-0.25	
For Mechanically Fastened To Wood Or Steel, Add	-0.02	
For Mechanically Fastened To Concrete, Add	1.27	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.41	
07 22 16 00-0160 SF 4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board	7.93	
For Hot-Mopped, Deduct	-0.38	
For Mechanically Fastened To Wood Or Steel, Add	0.04	
For Mechanically Fastened To Concrete, Add	1.36	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.49	
07 22 16 00-0161 SF 5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board	8.45	
For Hot-Mopped, Deduct	-0.38	
For Mechanically Fastened To Wood Or Steel, Add	0.04	
For Mechanically Fastened To Concrete, Add	1.36	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.49	
07 22 16 00-0162 SF 5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board	8.98	
For Hot-Mopped, Deduct	-0.38	
For Mechanically Fastened To Wood Or Steel, Add	0.30	
For Mechanically Fastened To Concrete, Add	1.66	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.61	
07 22 16 00-0163 SF 6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board	9.50	
For Hot-Mopped, Deduct	-0.38	
For Mechanically Fastened To Wood Or Steel, Add	0.30	
For Mechanically Fastened To Concrete, Add	1.66	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.61	
07 22 16 00-0164 SF 6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board	10.70	
For Hot-Mopped, Deduct	-0.49	
For Mechanically Fastened To Wood Or Steel, Add	0.32	
For Mechanically Fastened To Concrete, Add	1.68	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.77	
07 22 16 00-0165 1/4" Slope, Tapered Perlite Board (07 22 16 00-0153)		
07 22 16 00-0166 SF 2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board	3.74	
For Hot-Mopped, Deduct	-0.12	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.08	
For Mechanically Fastened To Concrete, Add	1.14	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.28	
07 22 16 00-0167 SF 3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board	5.45	
For Hot-Mopped, Deduct	-0.25	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.10	
For Mechanically Fastened To Concrete, Add	1.15	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0168 SF 4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board	6.49	
<i>For Hot-Mopped, Deduct</i>	-0.25	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	-0.02	
<i>For Mechanically Fastened To Concrete, Add</i>	1.27	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.38	
07 22 16 00-0169 SF 5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board	8.19	
<i>For Hot-Mopped, Deduct</i>	-0.38	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.04	
<i>For Mechanically Fastened To Concrete, Add</i>	1.36	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.49	
07 22 16 00-0170 SF 6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board	9.24	
<i>For Hot-Mopped, Deduct</i>	-0.38	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.30	
<i>For Mechanically Fastened To Concrete, Add</i>	1.66	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.61	
07 22 16 00-0171 SF 7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board	10.96	
<i>For Hot-Mopped, Deduct</i>	-0.49	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.32	
<i>For Mechanically Fastened To Concrete, Add</i>	1.68	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.77	
07 22 16 00-0172 1/2" Slope, Tapered Perlite Board <small>(07 22 16 00-0153)</small>		
07 22 16 00-0173 SF 3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board	5.96	
<i>For Hot-Mopped, Deduct</i>	-0.25	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.10	
<i>For Mechanically Fastened To Concrete, Add</i>	1.15	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.33	
07 22 16 00-0174 SF 5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board	8.71	
<i>For Hot-Mopped, Deduct</i>	-0.38	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.04	
<i>For Mechanically Fastened To Concrete, Add</i>	1.36	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.49	
07 22 16 00-0175 SF 7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board	11.47	
<i>For Hot-Mopped, Deduct</i>	-0.49	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.32	
<i>For Mechanically Fastened To Concrete, Add</i>	1.68	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.77	
07 22 16 00-0176 SF 9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board	14.23	
<i>For Hot-Mopped, Deduct</i>	-0.62	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.65	
<i>For Mechanically Fastened To Concrete, Add</i>	2.11	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.77	
07 22 16 00-0177 Demolish Rigid Board Roofing Insulation <small>(07 22 16)</small>		
Note: Includes removing any combination of roofing insulation systems and/or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.).		
07 22 16 00-0178 SF Demolish Up To 1/2" Average Thickness, Rigid Board Roofing Insulation	0.47	
07 22 16 00-0179 SF Demolish >1/2" To 1" Average Thickness, Rigid Board Roofing Insulation	0.49	
07 22 16 00-0180 SF Demolish >1" To 2" Average Thickness, Rigid Board Roofing Insulation	0.50	
07 22 16 00-0181 SF Demolish >2" To 3" Average Thickness, Rigid Board Roofing Insulation	0.51	
07 22 16 00-0182 SF Demolish >3" To 4" Average Thickness, Rigid Board Roofing Insulation	0.52	
07 22 16 00-0183 SF Demolish >4" To 5" Average Thickness, Rigid Board Roofing Insulation	0.53	
07 22 16 00-0184 SF Demolish >5" To 6" Average Thickness, Rigid Board Roofing Insulation	0.55	
07 22 16 00-0185 SF Demolish >6" To 7" Average Thickness, Rigid Board Roofing Insulation	0.56	
07 22 16 00-0186 SF Demolish >7" To 8" Average Thickness, Rigid Board Roofing Insulation	0.57	
07 22 16 00-0187 SF Demolish >8" To 9" Average Thickness, Rigid Board Roofing Insulation	0.59	
07 22 16 00-0188 SF Demolish >9" To 10" Average Thickness, Rigid Board Roofing Insulation	0.60	
07 22 16 00-0189 SF Demolish >10" To 11" Average Thickness, Rigid Board Roofing Insulation	0.61	
07 22 16 00-0190 SF Demolish >11" To 12" Average Thickness, Rigid Board Roofing Insulation	0.63	
07 24 Exterior Insulation And Finish Systems <small>(07 20)</small>		
07 24 13 Polymer-Based Exterior Insulation And Finish System <small>(07 24)</small>		
07 24 13 00-0001 Exterior Insulation Finishing System (EIFS) <small>(07 24 13)</small>		
07 24 13 00-0002 Insulation For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>		
07 24 13 00-0003 SF 1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	2.82	
<i>For Up To 100, Add</i>	0.72	
<i>For >100 To 500, Add</i>	0.36	
<i>For >5,000, Deduct</i>	-0.14	
<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	1.07	
<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	1.57	
07 24 13 00-0004 SF 1-1/2" Thick, R5.78, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	3.15	
<i>For Up To 100, Add</i>	0.72	
<i>For >100 To 500, Add</i>	0.36	
<i>For >5,000, Deduct</i>	-0.14	
<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	1.09	
<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	1.58	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 24 Exterior Insulation And Finish Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0005	SF		2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	3.48	
			<i>For Up To 100, Add</i>	0.73	
			<i>For >100 To 500, Add</i>	0.37	
			<i>For >5,000, Deduct</i>	-0.15	
			<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	1.20	
			<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	1.66	
07 24 13 00-0006	SF		2-1/2" Thick, R9.63, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	3.82	
			<i>For Up To 100, Add</i>	0.74	
			<i>For >100 To 500, Add</i>	0.37	
			<i>For >5,000, Deduct</i>	-0.15	
			<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	1.25	
			<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	1.73	
07 24 13 00-0007	SF		3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	4.16	
			<i>For Up To 100, Add</i>	0.75	
			<i>For >100 To 500, Add</i>	0.38	
			<i>For >5,000, Deduct</i>	-0.15	
			<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	1.25	
			<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	1.73	
07 24 13 00-0008	SF		4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	4.80	
			<i>For Up To 100, Add</i>	0.76	
			<i>For >100 To 500, Add</i>	0.38	
			<i>For >5,000, Deduct</i>	-0.15	
			<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	1.37	
			<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	1.85	
07 24 13 00-0009			Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>		
			Note: Includes applying a layer of base coat to the insulation board and fully embedding the reinforcing fabric in the wet base coat.		
07 24 13 00-0010	SF		4.3 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit S-Mesh), Embedded In A Layer Of Base Coat.....	3.97	
			<i>For Up To 100, Add</i>	1.43	
			<i>For >100 To 500, Add</i>	0.72	
			<i>For >5,000, Deduct</i>	-0.29	
07 24 13 00-0011	SF		6.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit SP-Mesh), Embedded In A Layer Of Base Coat.....	4.29	
			<i>For Up To 100, Add</i>	1.43	
			<i>For >100 To 500, Add</i>	0.72	
			<i>For >5,000, Deduct</i>	-0.29	
07 24 13 00-0012	SF		15.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 15), Embedded In A Layer Of Base Coat.....	5.17	
			<i>For Up To 100, Add</i>	1.43	
			<i>For >100 To 500, Add</i>	0.72	
			<i>For >5,000, Deduct</i>	-0.29	
07 24 13 00-0013	SF		20.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 20), Embedded In A Layer Of Base Coat.....	5.44	
			<i>For Up To 100, Add</i>	1.43	
			<i>For >100 To 500, Add</i>	0.72	
			<i>For >5,000, Deduct</i>	-0.29	
07 24 13 00-0014			Base Coats For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>		
07 24 13 00-0015	SF		Polymer-Based, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis® DM).....	1.95	
			<i>For Up To 100, Add</i>	0.72	
			<i>For >100 To 500, Add</i>	0.36	
			<i>For >5,000, Deduct</i>	-0.14	
07 24 13 00-0016	SF		Acrylic-Modified, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis®).....	2.19	
			<i>For Up To 100, Add</i>	0.72	
			<i>For >100 To 500, Add</i>	0.36	
			<i>For >5,000, Deduct</i>	-0.14	
07 24 13 00-0017	SF		Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®).....	3.50	
			<i>For Up To 100, Add</i>	0.72	
			<i>For >100 To 500, Add</i>	0.36	
			<i>For >5,000, Deduct</i>	-0.14	
07 24 13 00-0018	SF		Hydrostatic Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®).....	4.53	
			<i>For Up To 100, Add</i>	0.72	
			<i>For >100 To 500, Add</i>	0.36	
			<i>For >5,000, Deduct</i>	-0.14	
07 24 13 00-0019			Finish Coats For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>		
			Note: Includes all standard manufacturers' colors.		
07 24 13 00-0020	SF		100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish).....	3.44	
			<i>For Up To 100, Add</i>	1.43	
			<i>For >100 To 500, Add</i>	0.72	
			<i>For >5,000, Deduct</i>	-0.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0021 SF 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish).....	3.49	
<i>For Up To 100, Add</i>	1.43	
<i>For >100 To 500, Add</i>	0.72	
<i>For >5,000, Deduct</i>	-0.29	
07 24 13 00-0022 SF Lightweight Elastic, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish).....	3.88	
<i>For Up To 100, Add</i>	1.43	
<i>For >100 To 500, Add</i>	0.72	
<i>For >5,000, Deduct</i>	-0.29	
07 24 13 00-0023 SF Lightweight Elastic, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish).....	4.22	
<i>For Up To 100, Add</i>	1.43	
<i>For >100 To 500, Add</i>	0.72	
<i>For >5,000, Deduct</i>	-0.29	
07 24 13 00-0024 SF Mildew Resistant, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish).....	3.88	
<i>For Up To 100, Add</i>	1.43	
<i>For >100 To 500, Add</i>	0.72	
<i>For >5,000, Deduct</i>	-0.29	
07 24 13 00-0025 SF Mildew Resistant, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish).....	4.22	
<i>For Up To 100, Add</i>	1.43	
<i>For >100 To 500, Add</i>	0.72	
<i>For >5,000, Deduct</i>	-0.29	
07 24 13 00-0026 SF Flexible Elastomeric, 100% Acrylic-Based Smooth Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic® Smooth).....	3.55	
<i>For Up To 100, Add</i>	1.43	
<i>For >100 To 500, Add</i>	0.72	
<i>For >5,000, Deduct</i>	-0.29	
07 24 13 00-0027 SF Flexible Elastomeric, 100% Acrylic-Based Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic®).....	3.91	
<i>For Up To 100, Add</i>	1.43	
<i>For >100 To 500, Add</i>	0.72	
<i>For >5,000, Deduct</i>	-0.29	
07 24 13 00-0028 SF 100% Acrylic-Based Finish With Multi-Colored Quartz Aggregates, Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Ameristone™).....	6.94	
<i>For Up To 100, Add</i>	1.43	
<i>For >100 To 500, Add</i>	0.72	
<i>For >5,000, Deduct</i>	-0.29	
07 24 13 00-0029 Primer And Sealers For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		
07 24 13 00-0030 SF 100% Acrylic-Based Primer/Adhesion Promoter For Exterior Insulation Finishing Systems (EIFS) (Dryvit Prymit®).....	1.01	
<i>For Up To 100, Add</i>	0.40	
<i>For >100 To 500, Add</i>	0.20	
<i>For >5,000, Deduct</i>	-0.08	
07 24 13 00-0031 SF 100% Acrylic Emulsion Primer/Sealer For Exterior Insulation Finishing Systems (EIFS) (Dryvit SealClear™).....	1.03	
<i>For Up To 100, Add</i>	0.40	
<i>For >100 To 500, Add</i>	0.20	
<i>For >5,000, Deduct</i>	-0.08	
07 24 13 00-0032 Air/Water/Vapor Barriers For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		
07 24 13 00-0033 SF Smooth, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat.....	1.30	
<i>For Up To 100, Add</i>	0.40	
<i>For >100 To 500, Add</i>	0.20	
<i>For >5,000, Deduct</i>	-0.08	
07 24 13 00-0034 SF Texture, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat.....	1.54	
<i>For Up To 100, Add</i>	0.40	
<i>For >100 To 500, Add</i>	0.20	
<i>For >5,000, Deduct</i>	-0.08	
07 24 13 00-0035 Drainage Accessories For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		
07 24 13 00-0036 SF 1/8" Thick, Flexible Polyamide Drainage Mat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Drainage Mat).....	1.88	
<i>For Up To 100, Add</i>	0.45	
<i>For >100 To 500, Add</i>	0.22	
<i>For >5,000, Deduct</i>	-0.09	
07 24 13 00-0037 Starter Tracks For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		
07 24 13 00-0038 LF 1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	2.61	
07 24 13 00-0039 LF 1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	2.79	
07 24 13 00-0040 LF 2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	3.01	
07 24 13 00-0041 LF 3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	3.45	
07 24 13 00-0042 LF 1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	2.79	
07 24 13 00-0043 LF 1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	3.01	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 24 Exterior Insulation And Finish Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0044	LF		2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	3.22	
07 24 13 00-0045	LF		3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	3.71	
07 24 13 00-0046			Demolish Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)	2.68	
07 24 13 00-0047	SF		Demolish Exterior Insulation Finishing Systems (EIFS).....	2.68	
			Note: Includes demolition of all finish coats, base coats, reinforcing layers and insulation layers down to the substrate. Excludes demolition of sheathing.		
			For Up To 100, Add	1.34	
			For >100 To 500, Add	0.67	
			For >5,000, Deduct	-0.27	

07 25 Weather Barriers (07)**07 26 Vapor Retarders (07 25)****07 26 13 Above-Grade Vapor Retarders (07 26)**

07 26 13 00-0001	CSF		Two Layer Kraft Paper Laminated With Asphalt, Grade "B" Building Paper (Aquabar B).....	23.99	
07 26 13 00-0002	CSF		Asphalt Saturated Kraft Building Paper, Grade D, "Jumbo Tex".....	22.74	
07 26 13 00-0003	CSF		60 Minute Asphalt Saturated Kraft Building Paper, Grade D, "Super Jumbo Tex 60 Minute".....	26.74	
07 26 13 00-0004	CSF		Two Ply 60 Minute Asphalt Saturated Kraft Building Paper, Grade D, "Two Ply Super Jumbo Tex 60 Minute".....	32.60	
07 26 13 00-0005	CSF		Regular Weight Red Rosin Sized Sheathing.....	22.25	
07 26 13 00-0006	CLF		6" Wide Two Layer Kraft Paper Laminated With Asphalt, Building Flashing Paper (Bond Beam Paper).....	73.06	
07 26 13 00-0007	CLF		4" Wide Self Adhering Butyl Sealing Tape.....	102.18	
07 26 13 00-0008	CLF		6" Wide Self Adhesive Butyl Sealing Tape.....	142.28	
07 26 13 00-0009	CLF		9" Wide Self Adhesive Butyl Sealing Tape.....	191.27	
07 26 13 00-0010	CSF		Building Wrap (Tyvek).....	54.96	

07 27 Air Barriers (07 25)**07 27 23 Board Product Air Barriers (07 27)****07 27 23 00-0001 Barriers For Plenums (07 27 23)**

07 27 23 00-0002	SF		0.5" Thick Leaded Vinyl Acoustic Plenum Barrier 0.48 LB/SF.....	9.19	2.90
			For Up To 50, Add	3.65	
			For >50 To 200, Add	2.06	
			For >200 To 500, Add	0.74	
			For >2,500, Deduct	-0.46	
07 27 23 00-0003	SF		0.625" Thick Leaded Vinyl Acoustic Plenum Barrier 0.87 LB/SF.....	9.96	2.90
			For Up To 50, Add	3.98	
			For >50 To 200, Add	2.24	
			For >200 To 500, Add	0.81	
			For >2,500, Deduct	-0.50	
07 27 23 00-0004	SF		Aluminum Foil Fiberglass Reinforced Plenum Bar Parallel With Joists 1" Thick.....	4.07	1.93
			For Up To 50, Add	2.01	
			For >50 To 200, Add	1.11	
			For >200 To 500, Add	0.38	
			For >2,500, Deduct	-0.20	
07 27 23 00-0005	SF		Aluminum Foil Fiberglass Reinforced Plenum Bar Perpendicular With Joists 1" Thick.....	7.41	2.90
			For Up To 50, Add	3.60	
			For >50 To 200, Add	1.99	
			For >200 To 500, Add	0.68	
			For >2,500, Deduct	-0.37	
07 27 23 00-0006	SF		Aluminum Mesh Barrier For Plenum Kraft Paper Backed.....	5.59	1.93
			For Up To 50, Add	2.24	
			For >50 To 200, Add	1.26	
			For >200 To 500, Add	0.46	
			For >2,500, Deduct	-0.28	
07 27 23 00-0007	SF		1/64" Thick Sheet Lead Barrier For Plenum 1 LB/SF.....	6.70	1.93
			For Up To 50, Add	2.29	
			For >50 To 200, Add	1.31	
			For >200 To 500, Add	0.50	
			For >2,500, Deduct	-0.34	

07 30 Steep Slope Roofing (07)

Note: Includes starter strips and manufacturer's product specific warranties.

07 31 Shingles And Shakes (07 30)**07 31 13 Asphalt Shingles (07 31)****07 31 13 13 Fiberglass-Reinforced Asphalt Shingles (07 31 13)****07 31 13 13-0001 Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (07 31 13 13)**

Note: Excludes underlayment, drip edges, and ridge vent/shingles.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 13 13-0002 SQ 200 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed CT 20)	243.29	155.46
<i>For >35 To 75, Deduct</i>	-10.19	
<i>For >75 To 100, Deduct</i>	-15.76	
<i>For >100 To 200, Deduct</i>	-23.37	
<i>For >200, Deduct</i>	-34.52	
<i>For Steep Roof, Over 7 To 12, Add</i>	45.24	
07 31 13 13-0003 SQ 220 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 25)	255.14	163.26
<i>For >35 To 75, Deduct</i>	-10.67	
<i>For >75 To 100, Deduct</i>	-16.52	
<i>For >100 To 200, Deduct</i>	-24.50	
<i>For >200, Deduct</i>	-36.19	
<i>For Steep Roof, Over 7 To 12, Add</i>	47.49	
07 31 13 13-0004 SQ 230 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 30)	296.48	171.40
<i>For >35 To 75, Deduct</i>	-14.06	
<i>For >75 To 100, Deduct</i>	-20.77	
<i>For >100 To 200, Deduct</i>	-30.29	
<i>For >200, Deduct</i>	-43.71	
<i>For Steep Roof, Over 7 To 12, Add</i>	49.88	
07 31 13 13-0005 Architectural Fiberglass Reinforced, Asphalt Composition Shingle <small>(07 31 13 13)</small>		
<small>Note: Excludes underlayment, drip edges, and ridge vent/shingles.</small>		
07 31 13 13-0006 SQ 245 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark)	303.12	198.46
<i>For >35 To 75, Deduct</i>	-12.27	
<i>For >75 To 100, Deduct</i>	-19.24	
<i>For >100 To 200, Deduct</i>	-28.66	
<i>For >200, Deduct</i>	-42.59	
<i>For Steep Roof, Over 7 To 12, Add</i>	57.72	
07 31 13 13-0007 SQ 240 LB/SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Highland Slate)	322.34	188.96
<i>For >35 To 75, Deduct</i>	-15.05	
<i>For >75 To 100, Deduct</i>	-22.36	
<i>For >100 To 200, Deduct</i>	-32.67	
<i>For >200, Deduct</i>	-47.29	
<i>For Steep Roof, Over 7 To 12, Add</i>	54.98	
07 31 13 13-0008 SQ 265 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Plus)	348.94	208.38
<i>For >35 To 75, Deduct</i>	-15.95	
<i>For >75 To 100, Deduct</i>	-23.87	
<i>For >100 To 200, Deduct</i>	-34.99	
<i>For >200, Deduct</i>	-50.84	
<i>For Steep Roof, Over 7 To 12, Add</i>	60.63	
07 31 13 13-0009 SQ 235 LB/SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Hatteras)	338.44	179.97
<i>For >35 To 75, Deduct</i>	-17.48	
<i>For >75 To 100, Deduct</i>	-25.07	
<i>For >100 To 200, Deduct</i>	-36.15	
<i>For >200, Deduct</i>	-51.33	
<i>For Steep Roof, Over 7 To 12, Add</i>	52.35	
07 31 13 13-0010 SQ 300 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Premium)	379.07	218.81
<i>For >35 To 75, Deduct</i>	-18.02	
<i>For >75 To 100, Deduct</i>	-26.59	
<i>For >100 To 200, Deduct</i>	-38.77	
<i>For >200, Deduct</i>	-55.93	
<i>For Steep Roof, Over 7 To 12, Add</i>	63.64	
07 31 13 13-0011 SQ 300 LB/SQ, 5" Exposure, Random Laminated Tabs, One Piece, Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Independence)	405.48	218.81
<i>For >35 To 75, Deduct</i>	-20.66	
<i>For >75 To 100, Deduct</i>	-29.76	
<i>For >100 To 200, Deduct</i>	-43.00	
<i>For >200, Deduct</i>	-61.21	
<i>For Steep Roof, Over 7 To 12, Add</i>	63.64	
07 31 13 13-0012 SQ 355 LB/SQ, 4" Exposure, Sculpted Edge, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake)	442.65	241.20
<i>For >35 To 75, Deduct</i>	-22.33	
<i>For >75 To 100, Deduct</i>	-32.28	
<i>For >100 To 200, Deduct</i>	-46.70	
<i>For >200, Deduct</i>	-66.60	
<i>For Steep Roof, Over 7 To 12, Add</i>	70.18	
07 31 13 13-0013 SQ 340 LB/SQ, 5" Exposure, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark TL)	439.65	229.76
<i>For >35 To 75, Deduct</i>	-23.09	
<i>For >75 To 100, Deduct</i>	-32.92	
<i>For >100 To 200, Deduct</i>	-47.38	
<i>For >200, Deduct</i>	-67.05	
<i>For Steep Roof, Over 7 To 12, Add</i>	66.82	
07 31 13 13-0014 SQ 300 LB/SQ, 5" Exposure, Reflective Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Solaris)	437.96	218.81
<i>For >35 To 75, Deduct</i>	-23.91	
<i>For >75 To 100, Deduct</i>	-33.66	
<i>For >100 To 200, Deduct</i>	-48.20	
<i>For >200, Deduct</i>	-67.70	
<i>For Steep Roof, Over 7 To 12, Add</i>	63.64	

07 Thermal And Moisture Protection**07 30 Steep Slope Roofing****07 31 Shingles And Shakes**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 13 13-0015	SQ		355 LB/SQ, 8" Exposure, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Centennial Slate).....	513.75	241.20
			<i>For >35 To 75, Deduct</i>	-29.44	
			<i>For >75 To 100, Deduct</i>	-40.81	
			<i>For >100 To 200, Deduct</i>	-58.07	
			<i>For >200, Deduct</i>	-80.82	
			<i>For Steep Roof, Over 7 To 12, Add</i>	70.18	
07 31 13 13-0016	SQ		355 LB/SQ, 8" Exposure, Scalloped Cut, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Carriage House).....	532.27	241.20
			<i>For >35 To 75, Deduct</i>	-31.30	
			<i>For >75 To 100, Deduct</i>	-43.04	
			<i>For >100 To 200, Deduct</i>	-61.04	
			<i>For >200, Deduct</i>	-84.52	
			<i>For Steep Roof, Over 7 To 12, Add</i>	70.18	
07 31 13 13-0017	SQ		480 LB/SQ, 4" Exposure, Sculpted Edge, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake TL).....	591.48	265.97
			<i>For >35 To 75, Deduct</i>	-34.97	
			<i>For >75 To 100, Deduct</i>	-48.01	
			<i>For >100 To 200, Deduct</i>	-68.04	
			<i>For >200, Deduct</i>	-94.12	
			<i>For Steep Roof, Over 7 To 12, Add</i>	77.38	
07 31 13 13-0018	SQ		425 LB/SQ, 8" Exposure, Random Laminated Tabs, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed GrandManor).....	583.14	253.24
			<i>For >35 To 75, Deduct</i>	-35.29	
			<i>For >75 To 100, Deduct</i>	-48.10	
			<i>For >100 To 200, Deduct</i>	-67.97	
			<i>For >200, Deduct</i>	-93.60	
			<i>For Steep Roof, Over 7 To 12, Add</i>	73.68	
07 31 13 13-0019			Asphalt Shingle Accessories (07 31 13 13)		
07 31 13 13-0020	LF		Hip And Ridge Roll Vent..... Note: Excludes shingles.	5.47	0.94
07 31 13 13-0021	LF		Three Tab Hip And Ridge Shingles.....	3.39	2.32
07 31 13 13-0022	LF		Architectural Hip And Ridge Shingles.....	4.10	2.57
07 31 13 13-0023	SQ		Demolish Additional Layers Of Shingles.....	84.81	
07 31 16			Metal Shingles (07 31)		
07 31 16 00-0001			Aluminum Shingles (07 31 16)		
07 31 16 00-0002	SQ		Aluminum Shingles, Mill Finish, 0.020" Thick.....	684.34	147.57
			<i>For Colors, Anodized Finish, Add</i>	30.00	
			<i>For Bonderized Finish, Add</i>	47.00	
			<i>For 1" Factory Applied Polystyrene, Add</i>	37.00	
07 31 16 00-0003	SQ		Aluminum Shingles, Mill Finish, 0.030" Thick.....	948.66	161.29
			<i>For Colors, Anodized Finish, Add</i>	30.00	
			<i>For Bonderized Finish, Add</i>	47.00	
			<i>For 1" Factory Applied Polystyrene, Add</i>	37.00	
07 31 16 00-0004	LF		Aluminum Shingles, Ridge Cap, 0.020" Thick.....	12.74	2.13
07 31 16 00-0005	LF		Aluminum Shingles, Ridge Cap, 0.030" Thick.....	13.37	2.13
07 31 16 00-0006	LF		Aluminum Shingles, Valley Section, 0.020" Thick.....	7.99	2.13
07 31 16 00-0007	LF		Aluminum Shingles, Valley Section, 0.030" Thick.....	9.26	2.13
07 31 16 00-0008			Galvanized Steel Shingles (07 31 16)		
07 31 16 00-0009	SQ		24 Gauge Steel Shingles, Galvanized.....	401.25	132.78
			<i>For Factory Applied 1" Polystyrene Insulation, Add</i>	24.75	
			<i>For >50 To 75, Deduct</i>	-5.43	
			<i>For >75 To 100, Deduct</i>	-16.14	
			<i>For >100 To 200, Deduct</i>	-28.20	
			<i>For >200, Deduct</i>	-38.91	
			<i>For Steep Roof, Over 7 To 12, Add</i>	84.99	
07 31 16 00-0010	SQ		26 Gauge Steel Shingles, Galvanized.....	387.82	131.72
			<i>For Factory Applied 1" Polystyrene Insulation, Add</i>	24.75	
			<i>For >50 To 75, Deduct</i>	-4.98	
			<i>For >75 To 100, Deduct</i>	-15.30	
			<i>For >100 To 200, Deduct</i>	-26.86	
			<i>For >200, Deduct</i>	-37.18	
			<i>For Steep Roof, Over 7 To 12, Add</i>	84.27	
07 31 16 00-0011	SQ		24 Gauge Steel Shingles, Galvanized And Bonderized.....	596.76	131.72
			<i>For Factory Applied 1" Polystyrene Insulation, Add</i>	24.75	
			<i>For >50 To 75, Deduct</i>	-13.34	
			<i>For >75 To 100, Deduct</i>	-29.92	
			<i>For >100 To 200, Deduct</i>	-49.84	
			<i>For >200, Deduct</i>	-66.43	
			<i>For Steep Roof, Over 7 To 12, Add</i>	84.27	
07 31 16 00-0012	SQ		26 Gauge Steel Shingles, Galvanized And Bonderized.....	555.66	131.72
			<i>For Factory Applied 1" Polystyrene Insulation, Add</i>	24.75	
			<i>For >50 To 75, Deduct</i>	-11.69	
			<i>For >75 To 100, Deduct</i>	-27.05	
			<i>For >100 To 200, Deduct</i>	-45.32	
			<i>For >200, Deduct</i>	-60.68	
			<i>For Steep Roof, Over 7 To 12, Add</i>	84.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 16 00-0013 LF Galvanized Steel Shingles, Ridge Or Valley.....	6.33	1.77
<i>For Factory Applied 1" Polystyrene Insulation, Add</i>	24.75	
<i>For >50 To 75, Deduct</i>	-0.11	
<i>For >75 To 100, Deduct</i>	-0.29	
<i>For >100 To 200, Deduct</i>	-0.49	
<i>For >200, Deduct</i>	-0.66	
<i>For Steep Roof, Over 7 To 12, Add</i>	1.11	
07 31 26 Slate Shingles (07 31)		
Note: Includes 30 LB felt and fasteners.		
07 31 26 00-0001 Shingles Including 30 LB Felt And Nails (07 31 26)		
07 31 26 00-0002 SQ Slate Shingles, Buckingham, Virginia Black, 3/16" Thick.....	1,054.58	226.47
<i>For >50 To 75, Deduct</i>	-22.05	
<i>For >75 To 100, Deduct</i>	-51.17	
<i>For >100 To 200, Deduct</i>	-85.81	
<i>For >200, Deduct</i>	-114.93	
<i>For Graduated Shapes, Add</i>	82.70	
<i>For Steep Roof, Over 7 To 12, Add</i>	161.04	
07 31 26 00-0003 SQ Slate Shingles, Buckingham, Virginia Black, 1/4" Thick.....	1,208.25	226.47
<i>For >50 To 75, Deduct</i>	-28.20	
<i>For >75 To 100, Deduct</i>	-61.93	
<i>For >100 To 200, Deduct</i>	-102.71	
<i>For >200, Deduct</i>	-136.44	
<i>For Graduated Shapes, Add</i>	105.75	
<i>For Steep Roof, Over 7 To 12, Add</i>	161.04	
07 31 26 00-0004 SQ Slate Shingles, Penn Black Bangor.....	1,162.15	226.47
<i>For >50 To 75, Deduct</i>	-26.36	
<i>For >75 To 100, Deduct</i>	-58.70	
<i>For >100 To 200, Deduct</i>	-97.64	
<i>For >200, Deduct</i>	-129.99	
<i>For Graduated Shapes, Add</i>	98.84	
<i>For Steep Roof, Over 7 To 12, Add</i>	161.04	
07 31 26 00-0005 SQ Slate Shingles, Vermont, Unfading Colors, Green.....	1,177.51	226.47
<i>For >50 To 75, Deduct</i>	-26.97	
<i>For >75 To 100, Deduct</i>	-59.78	
<i>For >100 To 200, Deduct</i>	-99.33	
<i>For >200, Deduct</i>	-132.14	
<i>For Graduated Shapes, Add</i>	101.14	
<i>For Steep Roof, Over 7 To 12, Add</i>	161.04	
07 31 26 00-0006 SQ Slate Shingles, Vermont, Unfading Colors, Semi-Weathered, Green/Gray.....	1,238.98	226.47
<i>For >50 To 75, Deduct</i>	-29.43	
<i>For >75 To 100, Deduct</i>	-64.08	
<i>For >100 To 200, Deduct</i>	-106.09	
<i>For >200, Deduct</i>	-140.75	
<i>For Graduated Shapes, Add</i>	110.36	
<i>For Steep Roof, Over 7 To 12, Add</i>	161.04	
07 31 26 00-0007 SQ Slate Shingles, Vermont, Unfading Color, Purple.....	1,162.15	226.47
<i>For >50 To 75, Deduct</i>	-26.36	
<i>For >75 To 100, Deduct</i>	-58.70	
<i>For >100 To 200, Deduct</i>	-97.64	
<i>For >200, Deduct</i>	-129.99	
<i>For Graduated Shapes, Add</i>	98.84	
<i>For Steep Roof, Over 7 To 12, Add</i>	161.04	
07 31 26 00-0008 SQ Slate Shingles, Vermont, Unfading Color, Black Or Gray.....	1,116.05	226.47
<i>For >50 To 75, Deduct</i>	-24.51	
<i>For >75 To 100, Deduct</i>	-55.48	
<i>For >100 To 200, Deduct</i>	-92.57	
<i>For >200, Deduct</i>	-123.54	
<i>For Graduated Shapes, Add</i>	91.92	
<i>For Steep Roof, Over 7 To 12, Add</i>	161.04	
07 31 26 00-0009 SQ Slate Shingles, Vermont, Unfading Color, Red.....	2,076.22	226.47
<i>For >50 To 75, Deduct</i>	-62.92	
<i>For >75 To 100, Deduct</i>	-122.69	
<i>For >100 To 200, Deduct</i>	-198.19	
<i>For >200, Deduct</i>	-257.96	
<i>For Graduated Shapes, Add</i>	235.95	
<i>For Steep Roof, Over 7 To 12, Add</i>	161.04	
07 31 26 00-0010 SQ Slate Shingles, Vermont, Unfading Color, Variegated Purple.....	1,162.15	226.47
<i>For >50 To 75, Deduct</i>	-26.36	
<i>For >75 To 100, Deduct</i>	-58.70	
<i>For >100 To 200, Deduct</i>	-97.64	
<i>For >200, Deduct</i>	-129.99	
<i>For Graduated Shapes, Add</i>	98.84	
<i>For Steep Roof, Over 7 To 12, Add</i>	161.04	

07 31 29 Wood Shingles And Shakes (07 31)

07 31 29 13 Wood Shingles (07 31 29)

07 31 29 13-0001 #1 Grade, Red Cedar Shingles (07 31 29 13)

07 31 29 13-0002 #1 Grade, Red Cedar Shingles Installed On Roofs (07 31 29 13-0001)

07 Thermal And Moisture Protection**07 30 Steep Slope Roofing****07 31 Shingles And Shakes**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 29 13-0003	SQ		3-3/4" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	650.05	192.94
			<i>For Steep Roof, Over 7 To 12, Add</i>	123.48	
			<i>For CCA Treated, Add</i>	39.63	
07 31 29 13-0004	SQ		5" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	474.33	144.70
			<i>For Steep Roof, Over 7 To 12, Add</i>	92.61	
			<i>For CCA Treated, Add</i>	27.74	
07 31 29 13-0005	SQ		4-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	572.35	164.00
			<i>For Steep Roof, Over 7 To 12, Add</i>	104.96	
			<i>For CCA Treated, Add</i>	36.65	
07 31 29 13-0006	SQ		5-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	469.26	135.06
			<i>For Steep Roof, Over 7 To 12, Add</i>	86.44	
			<i>For CCA Treated, Add</i>	29.87	
07 31 29 13-0007	SQ		5-3/4" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	588.54	127.82
			<i>For Steep Roof, Over 7 To 12, Add</i>	81.81	
			<i>For CCA Treated, Add</i>	49.93	
07 31 29 13-0008	SQ		7-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	461.73	108.52
			<i>For Steep Roof, Over 7 To 12, Add</i>	69.46	
			<i>For CCA Treated, Add</i>	36.70	
07 31 29 13-0009			#1 Grade, Red Cedar Shingles Installed On Walls (07 31 29 13-0001)		
07 31 29 13-0010	SQ		7" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	479.38	173.64
			<i>For CCA Treated, Add</i>	19.81	
07 31 29 13-0011	SQ		8" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	465.34	164.00
			<i>For CCA Treated, Add</i>	20.60	
07 31 29 13-0012	SQ		10-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	459.36	142.29
			<i>For CCA Treated, Add</i>	26.22	
07 31 29 13-0013			#2 Grade, Red Cedar Shingles (07 31 29 13)		
07 31 29 13-0014			#2 Grade, Red Cedar Shingles Installed On Roofs (07 31 29 13-0013)		
07 31 29 13-0015	SQ		3-1/2" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	618.55	202.58
			<i>For Steep Roof, Over 7 To 12, Add</i>	129.65	
			<i>For CCA Treated, Add</i>	32.01	
07 31 29 13-0016	SQ		4" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	553.29	183.29
			<i>For Steep Roof, Over 7 To 12, Add</i>	117.31	
			<i>For CCA Treated, Add</i>	28.01	
07 31 29 13-0017	SQ		4" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	582.41	183.29
			<i>For Steep Roof, Over 7 To 12, Add</i>	117.31	
			<i>For CCA Treated, Add</i>	32.37	
07 31 29 13-0018	SQ		4-1/2" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	519.99	164.00
			<i>For Steep Roof, Over 7 To 12, Add</i>	104.96	
			<i>For CCA Treated, Add</i>	28.80	
07 31 29 13-0019	SQ		5-3/4" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	487.90	127.82
			<i>For Steep Roof, Over 7 To 12, Add</i>	81.81	
			<i>For CCA Treated, Add</i>	34.84	
07 31 29 13-0020	SQ		6-1/2" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	402.78	110.94
			<i>For Steep Roof, Over 7 To 12, Add</i>	71.00	
			<i>For CCA Treated, Add</i>	27.14	
07 31 29 13-0021			#2 Grade, Red Cedar Shingles Installed On Walls (07 31 29 13-0013)		
07 31 29 13-0022	SQ		6" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	473.27	183.29
			<i>For CCA Treated, Add</i>	16.00	
07 31 29 13-0023	SQ		7" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	455.21	173.64
			<i>For CCA Treated, Add</i>	16.19	
07 31 29 13-0024	SQ		9" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	430.63	154.35
			<i>For CCA Treated, Add</i>	18.29	
07 31 29 16			Wood Shakes (07 31 29)		
07 31 29 16-0001			#1 Grade, Red Cedar Shakes (07 31 29 16)		
07 31 29 16-0002			#1 Grade, Red Cedar Shakes Installed On Roofs (07 31 29 16-0001)		
07 31 29 16-0003	SQ		8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof.....	484.23	156.76
			<i>For Steep Roof, Over 7 To 12, Add</i>	100.33	
			<i>For CCA Treated, Add</i>	25.61	
07 31 29 16-0004	SQ		8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof.....	541.13	156.76
			<i>For Steep Roof, Over 7 To 12, Add</i>	100.33	
			<i>For CCA Treated, Add</i>	34.14	
07 31 29 16-0005	SQ		10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof.....	490.37	127.82
			<i>For Steep Roof, Over 7 To 12, Add</i>	81.81	
			<i>For CCA Treated, Add</i>	35.21	
07 31 29 16-0006	SQ		10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof.....	514.55	127.82
			<i>For Steep Roof, Over 7 To 12, Add</i>	81.81	
			<i>For CCA Treated, Add</i>	38.84	
07 31 29 16-0007			#1 Grade, Red Cedar Shakes Installed On Walls (07 31 29 16-0001)		
07 31 29 16-0008	SQ		8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	508.34	168.82
			<i>For CCA Treated, Add</i>	25.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 29 16-0009 SQ 8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall <i>For CCA Treated, Add</i>	565.24 34.14	168.82
07 31 29 16-0010 SQ 10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall <i>For CCA Treated, Add</i>	524.12 35.21	144.70
07 31 29 16-0011 SQ 10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall <i>For CCA Treated, Add</i>	548.30 38.84	144.70
 07 31 29 19 Wood Shingles And Shakes Cap (07 31 29)		
07 31 29 19-0001 Wood Hip And Ridge Cap For Wood Shingles Or Shakes (07 31 29 19)		
07 31 29 19-0002 LF Red Cedar Hip Or Ridge Cap For Wood Shingles Or Shakes <i>For Steep Roof, Over 7 To 12, Add</i> <i>For CCA Treated Ridge, Add</i>	7.43 0.94 0.68	1.26
 07 31 33 Composite Rubber Shingles (07 31)		
07 31 33 00-0001 SQ Class C Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure <i>Note: Gray or black.</i> <i>For Purple Or Green Color, Add</i> <i>For Brown Or Red Color, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For 6.5" Exposure, Add</i> <i>For 6.0" Exposure, Add</i>	861.63 74.59 191.13 126.55 -11.65 -33.20 -54.74 -86.16 59.66 119.32	197.76
07 31 33 00-0002 SQ Class A Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure <i>Note: Fire resistant. Gray or black.</i> <i>For Purple, Green, Brown Or Red, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For 6.5" Exposure, Add</i> <i>For 6.0" Exposure, Add</i>	1,172.41 116.54 126.55 -19.42 -48.73 -78.04 -117.24 81.86 163.72	197.76
07 31 33 00-0003 SQ Class C Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure <i>Note: Beaver tail, chisel point or beveled edges. Gray or black.</i> <i>For Purple, Green, Brown Or Red, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For 6.5" Exposure, Add</i> <i>For 6.0" Exposure, Add</i>	989.60 213.89 126.55 -14.85 -39.59 -64.33 -98.96 68.80 137.60	197.76
07 31 33 00-0004 SQ Class A Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure <i>Note: Fire resistant. Beaver tail, chisel point or beveled edges. Gray or black.</i> <i>For Purple, Green, Brown Or Red, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For 6.5" Exposure, Add</i> <i>For 6.0" Exposure, Add</i>	1,236.40 92.50 126.55 -21.02 -51.93 -82.84 -123.64 86.43 172.86	197.76
07 31 33 00-0005 LF Hip Or Ridge Polymeric Rubber Slate Shingle..... <i>Note: Beveled or pointed edges, gray or black.</i>	12.08	1.32
 07 32 Roof Tiles (07 30)		
07 32 13 Clay Roof Tiles (07 32)		
<i>Note: 8-1/4" x 11" exposure. Includes mortar, fasteners, felt underlayment and 90# cap sheet.</i>		
07 32 13 00-0001 Clay Roofing Tile 8-1/4" x 11" Exposure (07 32 13)		
<i>Note: Includes mortar, fasteners, felt underlayment and 90# cap sheet.</i>		
07 32 13 00-0002 SQ Lanai Or Classic Tile, 158 Piece Per SQ <i>For >25 To 50, Deduct</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For 20 Year Warranty, Add</i>	2,549.82 -127.21 -222.76 -297.11 -350.25 -382.19 148.41	214.78
07 32 13 00-0003 SQ Americana (Most Colors) Tile Roofing, 158 Piece Per SQ..... <i>For >25 To 50, Deduct</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For 20 Year Warranty, Add</i>	3,252.04 -169.35 -292.98 -388.40 -455.58 -494.55 197.57	214.78

07 Thermal And Moisture Protection**07 30 Steep Slope Roofing****07 32 Roof Tiles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 32 13 00-0004 SQ Americana (Green, Gray Or Brown) Tile, 158 Piece Per SQ	3,252.04	214.78
For >25 To 50, Deduct	-169.35	
For >50 To 75, Deduct	-292.98	
For >75 To 100, Deduct	-388.40	
For >100 To 200, Deduct	-455.58	
For >200, Deduct	-494.55	
For 20 Year Warranty, Add	197.57	
07 32 13 00-0005 SQ Americana (Blue) Tile, 158 Piece Per SQ	3,847.87	214.78
For >25 To 50, Deduct	-205.10	
For >50 To 75, Deduct	-352.57	
For >75 To 100, Deduct	-465.85	
For >100 To 200, Deduct	-544.96	
For >200, Deduct	-589.88	
For 20 Year Warranty, Add	239.28	
07 32 13 00-0006 SQ French Tile Roofing, Red, 133 Piece Per SQ	3,022.96	262.61
For >25 To 50, Deduct	-149.87	
For >50 To 75, Deduct	-262.91	
For >75 To 100, Deduct	-350.97	
For >100 To 200, Deduct	-414.05	
For >200, Deduct	-452.16	
For 20 Year Warranty, Add	174.84	
07 32 13 00-0007 SQ French Tile Roofing, Blue Or Green, 133 Piece Per SQ	4,071.13	262.61
For >25 To 50, Deduct	-212.76	
For >50 To 75, Deduct	-367.72	
For >75 To 100, Deduct	-487.23	
For >100 To 200, Deduct	-571.28	
For >200, Deduct	-619.87	
For 20 Year Warranty, Add	248.22	
07 32 13 00-0008 SQ Norman Tile Roofing, 317 Piece Per SQ	5,126.72	354.27
For >25 To 50, Deduct	-265.10	
For >50 To 75, Deduct	-459.55	
For >75 To 100, Deduct	-609.81	
For >100 To 200, Deduct	-715.88	
For >200, Deduct	-777.78	
For 20 Year Warranty, Add	309.29	
07 32 13 00-0009 SQ Williamsburg Tile Roofing, Aged Cedar, 158 Piece Per SQ	2,498.54	262.61
For >25 To 50, Deduct	-118.40	
For >50 To 75, Deduct	-210.46	
For >75 To 100, Deduct	-282.79	
For >100 To 200, Deduct	-335.39	
For >200, Deduct	-368.25	
For 20 Year Warranty, Add	138.13	
07 32 13 00-0010 SQ Williamsburg Tile Roofing, Gray Or Green, 158 Piece Per SQ	3,347.62	262.61
For >25 To 50, Deduct	-169.35	
For >50 To 75, Deduct	-295.37	
For >75 To 100, Deduct	-393.17	
For >100 To 200, Deduct	-462.75	
For >200, Deduct	-504.11	
For 20 Year Warranty, Add	197.57	
07 32 13 00-0011 SQ Spanish Tile Roofing, Red, 171 Piece Per SQ	2,258.15	196.62
For >25 To 50, Deduct	-111.89	
For >50 To 75, Deduct	-196.32	
For >75 To 100, Deduct	-262.10	
For >100 To 200, Deduct	-309.23	
For >200, Deduct	-337.71	
For 20 Year Warranty, Add	130.54	
07 32 13 00-0012 SQ Spanish Tile Roofing, Blend, 171 Piece Per SQ	3,173.16	196.62
For >25 To 50, Deduct	-166.79	
For >50 To 75, Deduct	-287.82	
For >75 To 100, Deduct	-381.05	
For >100 To 200, Deduct	-446.48	
For >200, Deduct	-484.11	
For 20 Year Warranty, Add	194.59	
07 32 13 00-0013 SQ Spanish Tile Roofing, Glazed White, 171 Piece Per SQ	3,960.51	196.62
For >25 To 50, Deduct	-214.03	
For >50 To 75, Deduct	-366.55	
For >75 To 100, Deduct	-483.40	
For >100 To 200, Deduct	-564.58	
For >200, Deduct	-610.08	
For 20 Year Warranty, Add	249.70	
07 32 13 00-0014 SQ Two Piece Mission Tile Roofing, 192 Piece Per SQ	4,502.83	308.22
For >25 To 50, Deduct	-233.18	
For >50 To 75, Deduct	-404.05	
For >75 To 100, Deduct	-536.05	
For >100 To 200, Deduct	-629.19	
For >200, Deduct	-683.47	
For 20 Year Warranty, Add	272.05	
07 32 13 00-0015 SQ One Piece Mission Tile Roofing, 75 Piece Per SQ	1,634.80	214.78
For >25 To 50, Deduct	-72.31	
For >50 To 75, Deduct	-131.26	
For >75 To 100, Deduct	-178.15	
For >100 To 200, Deduct	-213.00	
For >200, Deduct	-235.79	
For 20 Year Warranty, Add	84.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 32 13 00-0016 SQ One Piece Mission Tile Roofing, 134 Piece Per SQ	2,108.88	308.22
For >25 To 50, Deduct	-89.55	
For >50 To 75, Deduct	-164.66	
For >75 To 100, Deduct	-224.84	
For >100 To 200, Deduct	-270.10	
For >200, Deduct	-300.44	
For 20 Year Warranty, Add	104.47	
 07 32 16 Concrete Roof Tiles (07 32)		
07 32 16 00-0001 Corrugated Tiles And Shakes Nailed To Wood (07 32 16)		
Note: Includes 30 lb felt underlayment.		
07 32 16 00-0002 SQ 13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Earthtone Colors, Corrugated	884.33	325.58
For >50 To 75, Deduct	-9.32	
For >75 To 100, Deduct	-32.60	
For >100 To 200, Deduct	-58.20	
For >200, Deduct	-81.47	
For Steep Roof, Over 7 To 12, Add	208.40	
07 32 16 00-0003 SQ 13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Custom Blues, Corrugated	1,128.28	325.58
For >50 To 75, Deduct	-19.08	
For >75 To 100, Deduct	-49.67	
For >100 To 200, Deduct	-85.04	
For >200, Deduct	-115.63	
For Steep Roof, Over 7 To 12, Add	208.40	
07 32 16 00-0004 SQ 13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Custom Greens Corrugated	933.12	325.58
For >50 To 75, Deduct	-11.27	
For >75 To 100, Deduct	-36.01	
For >100 To 200, Deduct	-63.57	
For >200, Deduct	-88.31	
For Steep Roof, Over 7 To 12, Add	208.40	
07 32 16 00-0005 SQ 13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Colors, Shakes	876.76	291.30
For >50 To 75, Deduct	-11.76	
For >75 To 100, Deduct	-35.15	
For >100 To 200, Deduct	-61.48	
For >200, Deduct	-84.87	
For Steep Roof, Over 7 To 12, Add	186.46	
 07 32 16 00-0006 Accessories (07 32 16)		
07 32 16 00-0007 EA Ridge And Hip, 10" X 16-1/2", 8 LB Each For Concrete Tile Roof	4.12	
07 32 16 00-0008 EA Rake, 6-1/2" X 16-3/4", 9 LB Each For Concrete Tile Roof	2.71	
07 32 16 00-0009 EA Mansard Hip, 10" X 16-1/2", 9.2 LB Each For Concrete Tile Roof	4.09	
07 32 16 00-0010 EA Hip Starter, 10" X 16-1/2", 10.5 LB Each For Concrete Tile Roof	4.69	
07 32 16 00-0011 EA 3 Or 4 Way Apex, 10" Each Side, 11.5 LB Each For Concrete Tile Roof	4.88	
 07 34 Roofing Underlayment (07 30)		
07 34 00 00-0001 Mechanically Fastened, Roofing Underlayment (07 34)		
Note: Standard slope.		
07 34 00 00-0002 SQ 15 LB, Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened	22.82	6.37
For Steep Roof, Over 7 To 12, Add	4.08	
For >50 To 75, Deduct	-0.40	
For >75 To 100, Deduct	-1.02	
For >100 To 200, Deduct	-1.75	
For >200, Deduct	-2.68	
07 34 00 00-0003 SQ 30 LB, Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened	34.36	8.76
For Steep Roof, Over 7 To 12, Add	5.61	
For >50 To 75, Deduct	-0.67	
For >75 To 100, Deduct	-1.62	
For >100 To 200, Deduct	-2.73	
For >200, Deduct	-4.11	
07 34 00 00-0004 SQ 30 LB, Asphalt Saturated Organic Felt Shake Underlayment, Mechanically Fastened	37.52	8.76
For Steep Roof, Over 7 To 12, Add	5.61	
For >50 To 75, Deduct	-0.80	
For >75 To 100, Deduct	-1.84	
For >100 To 200, Deduct	-3.08	
For >200, Deduct	-4.55	
07 34 00 00-0005 SQ Fire Rated, Polypropylene Roofing Underlayment, Mechanically Fastened (Rex™ Synfelt)	44.54	13.28
For Steep Roof, Over 7 To 12, Add	8.50	
For >50 To 75, Deduct	-0.72	
For >75 To 100, Deduct	-1.92	
For >100 To 200, Deduct	-3.31	
For >200, Deduct	-5.17	
07 34 00 00-0006 SQ 17 Mil. Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 25)	48.29	13.28
For Steep Roof, Over 7 To 12, Add	8.50	
For >50 To 75, Deduct	-0.87	
For >75 To 100, Deduct	-2.19	
For >100 To 200, Deduct	-3.72	
For >200, Deduct	-5.70	

07 Thermal And Moisture Protection**07 30 Steep Slope Roofing****07 34 Roofing Underlayment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 34 00 00-0007 SQ 25 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 30).....	54.48	13.28
For Steep Roof, Over 7 To 12, Add	8.50	
For >50 To 75, Deduct	-1.12	
For >75 To 100, Deduct	-2.62	
For >100 To 200, Deduct	-4.40	
For >200, Deduct	-6.56	
07 34 00 00-0008 SQ 30 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 50).....	51.38	13.28
For Steep Roof, Over 7 To 12, Add	8.50	
For >50 To 75, Deduct	-0.99	
For >75 To 100, Deduct	-2.40	
For >100 To 200, Deduct	-4.06	
For >200, Deduct	-6.13	
07 34 00 00-0009 Self-Adhering, Roofing Underlayment (07 34)		
Note: Standard slope.		
07 34 00 00-0010 SQ 48 Mil, Fire Rated, Polymeric Asphalt Surfaced, Fiberglass Mat Reinforced, SBS Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® Mat)	83.54	16.11
For Steep Roof, Over 7 To 12, Add	10.30	
For >50 To 75, Deduct	-2.05	
For >75 To 100, Deduct	-4.40	
For >100 To 200, Deduct	-7.26	
For >200, Deduct	-10.41	
07 34 00 00-0011 SQ 60 Mil, Fire Rated, Granule Surfaced, Rubberized Asphalt Adhesive, Roofing Underlayment, Self-Adhering (Grace Basik®).....	119.40	16.11
For Steep Roof, Over 7 To 12, Add	10.30	
For >50 To 75, Deduct	-3.49	
For >75 To 100, Deduct	-6.91	
For >100 To 200, Deduct	-11.20	
For >200, Deduct	-15.43	
07 34 00 00-0012 SQ 53 Mil, Fire Rated, Granule Surfaced, Fiberglass Mat Reinforced, SBS Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® G).....	87.98	16.11
For Steep Roof, Over 7 To 12, Add	10.30	
For >50 To 75, Deduct	-2.23	
For >75 To 100, Deduct	-4.71	
For >100 To 200, Deduct	-7.75	
For >200, Deduct	-11.03	
07 34 00 00-0013 SQ 65 Mil, Fire Rated, Polyester Non Woven Fabric Surfaced, Fiberglass Mat Reinforced, SBS Modified Roofing Underlayment, Self Adhering (Owens Corning® WeatherLock® Specialty Tile And Metal).....	83.54	16.11
For Steep Roof, Over 7 To 12, Add	10.30	
For >50 To 75, Deduct	-2.05	
For >75 To 100, Deduct	-4.40	
For >100 To 200, Deduct	-7.26	
For >200, Deduct	-10.41	
07 34 00 00-0014 SQ 45 Mil, Fire Rated, High Temperature, Synthetic Polymer Surfaced, Modified Rubberized Asphalt, Roofing Underlayment, Self-Adhering (TITANIUM™ PSU-30)	114.23	16.11
For Steep Roof, Over 7 To 12, Add	10.30	
For >50 To 75, Deduct	-3.28	
For >75 To 100, Deduct	-6.55	
For >100 To 200, Deduct	-10.63	
For >200, Deduct	-14.70	
07 34 00 00-0015 SQ 25 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Select).....	98.03	16.11
For Steep Roof, Over 7 To 12, Add	10.30	
For >50 To 75, Deduct	-2.63	
For >75 To 100, Deduct	-5.41	
For >100 To 200, Deduct	-8.85	
For >200, Deduct	-12.44	
07 34 00 00-0016 SQ 40 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield®)	139.78	16.11
For Steep Roof, Over 7 To 12, Add	10.30	
For >50 To 75, Deduct	-4.30	
For >75 To 100, Deduct	-8.34	
For >100 To 200, Deduct	-13.44	
For >200, Deduct	-18.28	
07 34 00 00-0017 SQ 40 Mil, Fire Rated, High Temperature, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield® HT).....	158.07	16.11
For Steep Roof, Over 7 To 12, Add	10.30	
For >50 To 75, Deduct	-5.03	
For >75 To 100, Deduct	-9.62	
For >100 To 200, Deduct	-15.46	
For >200, Deduct	-20.84	
07 34 00 00-0018 SQ 30 Mil, Fire Rated, High Temperature, Fire Rated, Embossed Surface, Butyl Rubber Based Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ultra)	226.70	16.11
For Steep Roof, Over 7 To 12, Add	10.30	
For >50 To 75, Deduct	-7.78	
For >75 To 100, Deduct	-14.42	
For >100 To 200, Deduct	-23.01	
For >200, Deduct	-30.45	

07 40 Roofing And Siding Panels (07)

Note: Includes placement of materials on roof up to 2-1/2 stories. All new roof installations include flood testing.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 41 Roof Panels (07 40)

Note: Includes standard fasteners, grommets, cleats for installation.

07 41 13 Metal Roof Panels (07 41)

07 41 13 00-0001	Exposed Fastener Metal Roofing <small>(07 41 13)</small>		
	<small>Note: Includes 15 year warranty and all warranties are no dollar limit to include material and labor.</small>		
07 41 13 00-0002	Galvanized Exposed Fastener Metal Roofing <small>(07 41 13 00-0001)</small>		
07 41 13 00-0003	Galvanized Steel Exposed Fastener Metal Roof Panels <small>(07 41 13 00-0002)</small>		
07 41 13 00-0004	SF 18 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	7.25	0.81
	<i>For Fluoropolymer (Kynar) Coating, Add</i>	0.41	
	<i>For Steep Roof, Over 7 To 12, Add</i>	1.16	
07 41 13 00-0005	SF 20 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	6.61	0.81
	<i>For Fluoropolymer (Kynar) Coating, Add</i>	0.41	
	<i>For Steep Roof, Over 7 To 12, Add</i>	1.16	
07 41 13 00-0006	SF 22 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	6.16	0.81
	<i>For Fluoropolymer (Kynar) Coating, Add</i>	0.41	
	<i>For Steep Roof, Over 7 To 12, Add</i>	1.16	
07 41 13 00-0007	SF 24 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	5.71	0.81
	<i>For Fluoropolymer (Kynar) Coating, Add</i>	0.41	
	<i>For Steep Roof, Over 7 To 12, Add</i>	1.16	
07 41 13 00-0008	SF 26 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	5.34	0.81
	<i>For Fluoropolymer (Kynar) Coating, Add</i>	0.41	
	<i>For Steep Roof, Over 7 To 12, Add</i>	1.16	
07 41 13 00-0009	SF 29 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	5.03	0.81
	<i>For Fluoropolymer (Kynar) Coating, Add</i>	0.41	
	<i>For Steep Roof, Over 7 To 12, Add</i>	1.16	
07 41 13 00-0010	SF 30 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	4.90	0.81
	<i>For Fluoropolymer (Kynar) Coating, Add</i>	0.41	
	<i>For Steep Roof, Over 7 To 12, Add</i>	1.16	
07 41 13 00-0011	Galvanized Exposed Fastener Metal Roof Accessories <small>(07 41 13 00-0002)</small>		
	<small>See CSI section 07 41 13 00-0038 for accessories.</small>		
07 41 13 00-0012	LF Ridge Flashing For Galvanized Steel Exposed Fastener Roofing	25.74	3.61
	<i>For Steep Roof, Over 7 To 12, Add</i>	4.58	
	<i>For Fluoropolymer (Kynar) Coating, Add</i>	1.14	
07 41 13 00-0013	LF Eave Flashing For Galvanized Steel Exposed Fastener Roofing	21.09	3.61
	<i>For Steep Roof, Over 7 To 12, Add</i>	4.58	
	<i>For Fluoropolymer (Kynar) Coating, Add</i>	0.68	
07 41 13 00-0014	LF Valley Flashing For Galvanized Steel Exposed Fastener Roofing.....	30.23	3.61
	<i>For Steep Roof, Over 7 To 12, Add</i>	4.58	
	<i>For Fluoropolymer (Kynar) Coating, Add</i>	1.59	
07 41 13 00-0015	LF Hip Flashing For Galvanized Steel Exposed Fastener Roofing	26.15	3.61
	<i>For Steep Roof, Over 7 To 12, Add</i>	4.58	
	<i>For Fluoropolymer (Kynar) Coating, Add</i>	1.18	
07 41 13 00-0016	Aluminum Exposed Fastener Metal Roofing <small>(07 41 13 00-0001)</small>		
07 41 13 00-0017	Aluminum Exposed Fastener Metal Roof Panels <small>(07 41 13 00-0016)</small>		
07 41 13 00-0018	SF 0.0155", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	4.63	0.81
	<i>For Fluoropolymer (Kynar) Coating, Add</i>	0.41	
	<i>For Steep Roof, Over 7 To 12, Add</i>	1.16	
07 41 13 00-0019	SF 0.018", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	4.79	0.81
	<i>For Fluoropolymer (Kynar) Coating, Add</i>	0.41	
	<i>For Steep Roof, Over 7 To 12, Add</i>	1.16	
07 41 13 00-0020	SF 0.024", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	5.19	0.81
	<i>For Fluoropolymer (Kynar) Coating, Add</i>	0.41	
	<i>For Steep Roof, Over 7 To 12, Add</i>	1.16	
07 41 13 00-0021	SF 0.032", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	5.72	0.81
	<i>For Fluoropolymer (Kynar) Coating, Add</i>	0.41	
	<i>For Steep Roof, Over 7 To 12, Add</i>	1.16	
07 41 13 00-0022	SF 0.040", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	6.24	0.81
	<i>For Fluoropolymer (Kynar) Coating, Add</i>	0.41	
	<i>For Steep Roof, Over 7 To 12, Add</i>	1.16	
07 41 13 00-0023	SF 0.050", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	6.90	0.81
	<i>For Fluoropolymer (Kynar) Coating, Add</i>	0.41	
	<i>For Steep Roof, Over 7 To 12, Add</i>	1.16	
07 41 13 00-0024	Aluminum Exposed Fastener Metal Roof Accessories <small>(07 41 13 00-0016)</small>		
07 41 13 00-0025	LF Ridge Flashing For Aluminum Exposed Fastener Metal Roofing.....	23.20	3.61
	<i>For Steep Roof, Over 7 To 12, Add</i>	2.88	
	<i>For Fluoropolymer (Kynar) Coating, Add</i>	1.42	
07 41 13 00-0026	LF Eave Flashing For Aluminum Exposed Fastener Metal Roofing.....	17.38	3.61
	<i>For Steep Roof, Over 7 To 12, Add</i>	2.88	
	<i>For Fluoropolymer (Kynar) Coating, Add</i>	0.84	
07 41 13 00-0027	LF Valley Flashing For Aluminum Exposed Fastener Metal Roofing.....	28.81	3.61
	<i>For Steep Roof, Over 7 To 12, Add</i>	2.88	
	<i>For Fluoropolymer (Kynar) Coating, Add</i>	1.98	

07 Thermal And Moisture Protection**07 40 Roofing And Siding Panels****07 41 Roof Panels**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0028 LF Hip Flashing For Aluminum Exposed Fastener Metal Roofing..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar) Coating, Add</i>	23.71 2.88 1.47	3.61
07 41 13 00-0029 Standing Seam Roofs <small>(07 41 13)</small> Note: Includes all profiles of vertical leg and batten style standing seam roofing. Includes all clips, neoprene closures, metal closures, battens, tape sealer, tube sealant, fasteners, vent material, panel starters and cleats. Based on Garland R-Mer Clad or R-Mer Seam architectural roofing, R-Mer Loc architectural/structural roofing, and R-Mer Span structural roofing. Architectural roofing requires a solid substrate and underlayment, requires a minimum 3:12 pitch, and includes a 20 year no dollar limit warranty. Architectural/structural roofing does not require a solid substrate or underlayment, requires a minimum 3:12 pitch, and includes a 25 year no dollar limit warranty. Structural roofing does not require a solid substrate or underlayment, requires a minimum 1/4" per foot slope, and includes a 25 year no dollar limit warranty.		
07 41 13 00-0030 Galvanized Steel Standing Seam Concealed Fastener Roofing <small>(07 41 13 00-0029)</small> Note: All steel is galvanized G90 rated or galvalume. Factory paint finish is Kynar 500, Hylar 5000 or equal PVCF finish.		
07 41 13 00-0031 Galvanized Steel Standing Seam Concealed Fastener Roofing <small>(07 41 13 00-0030)</small>		
07 41 13 00-0032 SF Architectural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For Panels <16" Wide, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	9.99 1.43 1.38 0.58 2.50 1.50 0.25	1.90
07 41 13 00-0033 SF Architectural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For Panels <16" Wide, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	10.48 1.43 1.41 0.59 2.62 1.57 0.26	1.90
07 41 13 00-0034 SF Architectural/Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For Panels <16" Wide, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	9.56 1.43 1.36 0.57 2.39 1.43 0.24	1.90
07 41 13 00-0035 SF Architectural/Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For Panels <16" Wide, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	9.73 1.43 1.37 0.58 2.43 1.46 0.24	1.90
07 41 13 00-0036 SF Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For Panels <16" Wide, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	9.92 1.43 1.38 0.58 2.48 1.49 0.25	1.90
07 41 13 00-0037 SF Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For Panels <16" Wide, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	10.64 1.43 1.42 0.60 2.66 1.60 0.27	1.90
07 41 13 00-0038 Accessories For Galvanized Steel Standing Seam Roofing <small>(07 41 13 00-0030)</small>		
07 41 13 00-0039 LF Ridge Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	26.89 4.29 1.68	5.72
07 41 13 00-0040 LF Eave Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	21.77 4.29 1.58	5.72
07 41 13 00-0041 LF Valley Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	31.83 4.29 1.78	5.72
07 41 13 00-0042 LF Hip Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	27.33 4.29 1.69	5.72
07 41 13 00-0043 Aluminum Standing Seam Concealed Fastener Roofing <small>(07 41 13 00-0029)</small> Note: Factory paint finish is Kynar 500, Hylar 5000 or equal PVCF finish.		
07 41 13 00-0044 Aluminum Standing Seam Concealed Fastener Roofing <small>(07 41 13 00-0043)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0045 SF Architectural 0.032" Aluminum Standing Seam Concealed Fastener Roofing.....	10.33	1.90
<i>For Steep Roof, Over 6 To 12, Add</i>	1.43	
<i>For Panels <16" Wide, Add</i>	1.40	
<i>For 140 MPH Wind Load, Add</i>	0.59	
<i>For Up To 1,500, Add</i>	2.58	
<i>For >1,500 To 5,000, Add</i>	1.55	
<i>For >5,000 To 10,000, Add</i>	0.26	
07 41 13 00-0046 SF Architectural 0.040" Aluminum Standing Seam Concealed Fastener Roofing.....	10.75	1.90
<i>For Steep Roof, Over 6 To 12, Add</i>	1.43	
<i>For Panels <16" Wide, Add</i>	1.42	
<i>For 140 MPH Wind Load, Add</i>	0.60	
<i>For Up To 1,500, Add</i>	2.69	
<i>For >1,500 To 5,000, Add</i>	1.61	
<i>For >5,000 To 10,000, Add</i>	0.27	
07 41 13 00-0047 SF Architectural/Structural Or Structural 0.032" Aluminum Standing Seam Concealed Fastener Roofing.....	10.10	1.90
<i>For Steep Roof, Over 6 To 12, Add</i>	1.43	
<i>For Panels <16" Wide, Add</i>	1.39	
<i>For 140 MPH Wind Load, Add</i>	0.58	
<i>For Up To 1,500, Add</i>	2.53	
<i>For >1,500 To 5,000, Add</i>	1.52	
<i>For >5,000 To 10,000, Add</i>	0.25	
07 41 13 00-0048 SF Architectural/Structural Or Structural 0.040" Aluminum Standing Seam Concealed Fastener Roofing.....	10.86	1.90
<i>For Steep Roof, Over 6 To 12, Add</i>	1.43	
<i>For Panels <16" Wide, Add</i>	1.43	
<i>For 140 MPH Wind Load, Add</i>	0.60	
<i>For Up To 1,500, Add</i>	2.72	
<i>For >1,500 To 5,000, Add</i>	1.63	
<i>For >5,000 To 10,000, Add</i>	0.27	
07 41 13 00-0049 Accessories For Aluminum Standing Seam Roofing (07 41 13 00-0043)		
07 41 13 00-0050 LF Ridge Flashing For Aluminum Standing Seam Concealed Fastener Roofing.....	29.92	5.72
<i>For Steep Roof, Over 6 To 12, Add</i>	4.29	
<i>For 140 MPH Wind Load, Add</i>	1.74	
07 41 13 00-0051 LF Eave Flashing For Aluminum Standing Seam Concealed Fastener Roofing.....	23.51	5.72
<i>For Steep Roof, Over 6 To 12, Add</i>	4.29	
<i>For 140 MPH Wind Load, Add</i>	1.62	
07 41 13 00-0052 LF Valley Flashing For Aluminum Standing Seam Concealed Fastener Roofing.....	36.09	5.72
<i>For Steep Roof, Over 6 To 12, Add</i>	4.29	
<i>For 140 MPH Wind Load, Add</i>	1.87	
07 41 13 00-0053 LF Hip Flashing For Aluminum Standing Seam Concealed Fastener Roofing.....	30.48	5.72
<i>For Steep Roof, Over 6 To 12, Add</i>	4.29	
<i>For 140 MPH Wind Load, Add</i>	1.75	
07 41 13 00-0054 Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0029)		
07 41 13 00-0055 Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0054)		
07 41 13 00-0056 SF Architectural 24 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing.....	19.15	2.86
<i>For Steep Roof, Over 6 To 12, Add</i>	2.15	
<i>For Panels <16" Wide, Add</i>	2.28	
<i>For 140 MPH Wind Load, Add</i>	0.96	
<i>For Up To 1,500, Add</i>	4.79	
<i>For >1,500 To 5,000, Add</i>	2.87	
<i>For >5,000 To 10,000, Add</i>	0.48	
07 41 13 00-0057 SF Architectural 22 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing.....	21.70	2.86
<i>For Steep Roof, Over 6 To 12, Add</i>	2.15	
<i>For Panels <16" Wide, Add</i>	2.41	
<i>For 140 MPH Wind Load, Add</i>	1.01	
<i>For Up To 1,500, Add</i>	5.43	
<i>For >1,500 To 5,000, Add</i>	3.26	
<i>For >5,000 To 10,000, Add</i>	0.54	
07 41 13 00-0058 SF Architectural 24 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing.....	24.72	2.86
<i>For Steep Roof, Over 6 To 12, Add</i>	2.15	
<i>For Panels <16" Wide, Add</i>	2.56	
<i>For 140 MPH Wind Load, Add</i>	1.07	
<i>For Up To 1,500, Add</i>	6.18	
<i>For >1,500 To 5,000, Add</i>	3.71	
<i>For >5,000 To 10,000, Add</i>	0.62	
07 41 13 00-0059 SF Architectural 22 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing.....	28.60	2.86
<i>For Steep Roof, Over 6 To 12, Add</i>	2.15	
<i>For Panels <16" Wide, Add</i>	2.75	
<i>For 140 MPH Wind Load, Add</i>	1.14	
<i>For Up To 1,500, Add</i>	7.15	
<i>For >1,500 To 5,000, Add</i>	4.29	
<i>For >5,000 To 10,000, Add</i>	0.72	
07 41 13 00-0060 Accessories For Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0054)		
07 41 13 00-0061 LF Ridge Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing.....	62.93	5.72
<i>For Steep Roof, Over 6 To 12, Add</i>	4.84	
<i>For 140 MPH Wind Load, Add</i>	2.55	

07 Thermal And Moisture Protection**07 40 Roofing And Siding Panels****07 41 Roof Panels**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0062	LF		Eave Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	40.26 4.84 2.09	5.72
07 41 13 00-0063	LF		Valley Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	84.36 4.84 2.98	5.72
07 41 13 00-0064	LF		Hip Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	64.62 4.84 2.58	5.72
07 41 13 00-0065			Metal Roof Surfacing (07 41 13)		
07 41 13 00-0066	SF		Acrylic, Metal Roof Primer, One Coat <i>For Steep Roof, Over 7 To 12, Add</i>	0.32 0.05	
07 41 13 00-0067	SF		Acrylic Elastomeric, Surface Or Base Coating For Metal Roofing, One Coat Note: 55% solids by volume. <i>For Steep Roof, Over 7 To 12, Add</i>	0.46 0.05	
07 41 33			Plastic Roof Panels (07 41)		
07 41 33 00-0001			Polyvinyl Chloride (PVC) Roofing Panels (07 41 33)		
07 41 33 00-0002			Polyvinyl Chloride (PVC) Roofing Panels (07 41 33 00-0001)		
07 41 33 00-0003	SF		Solid Polyvinyl Chloride (PVC) Roofing Panels, 8" Wide	5.04	1.77
07 41 33 00-0004	SF		Solid Polyvinyl Chloride (PVC) Roofing Panels, 10" Wide	4.81	1.60
07 41 33 00-0005	SF		Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 8" Wide.....	5.21	1.77
07 41 33 00-0006	SF		Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 10" Wide.....	4.95	1.60
07 41 33 00-0007			Polyvinyl Chloride (PVC) Roofing Accessories (07 41 33 00-0001)		
07 41 33 00-0008	LF		1" "J" Channel, Starter Strip Trim.....	3.14	1.32
07 41 33 00-0009	LF		3-1/2" "J" Channel, Starter Strip Trim.....	4.41	1.32
07 41 33 00-0010	LF		Outside Corner Post, 7/8" Pocket	4.78	1.32
07 41 33 00-0011	LF		Inside Corner Post, 7/8" Pocket.....	3.79	1.32
07 41 33 00-0012			Fiberglass Roofing Panel (07 41 33)		
07 41 33 00-0013			Corrugated Panels (07 41 33 00-0012)		
07 41 33 00-0014	SF		8 Ounce Corrugated Fiberglass Panel.....	5.15	1.42
07 41 33 00-0015	SF		12 Ounce Corrugated Fiberglass Panel.....	5.89	1.42
07 42			Wall Panels (07 40)		
07 42 13			Metal Wall Panels (07 42)		
07 42 13 19			Insulated Metal Wall Panels (07 42 13)		
07 42 13 19-0001			Insulated Panels For Sash/Window Replacement (07 42 13 19) Note: Porcelain or polymer finish on aluminum panel with polystyrene core.		
07 42 13 19-0002	SF		1" Insulated Panel For Sash Or Window Replacement..... <i>For Non-Insulated Panels, Deduct</i>	15.94 -2.04	3.86
07 42 13 19-0003	SF		1-1/4" Insulated Panel For Sash Or Window Replacement..... <i>For Non-Insulated Panels, Deduct</i>	17.33 -2.18	4.34
07 42 13 19-0004	SF		1-3/4" Insulated Panel For Sash Or Window Replacement..... <i>For Non-Insulated Panels, Deduct</i>	18.56 -2.32	4.82
07 42 13 19-0005	SF		2-1/4" Insulated Panel For Sash Or Window Replacement..... <i>For Non-Insulated Panels, Deduct</i>	19.89 -2.46	5.02
07 42 13 19-0006	SF		3-1/4" Insulated Panel For Sash Or Window Replacement..... <i>For Non-Insulated Panels, Deduct</i>	22.41 -2.86	5.50
07 42 13 19-0007	SF		4-1/4" Insulated Panel For Sash Or Window Replacement..... <i>For Non-Insulated Panels, Deduct</i>	25.78 -3.43	6.08
07 42 13 23			Metal Composite Material Wall Panels (07 42 13)		
07 42 13 23-0001			24 Gauge, Galvanized Steel Insulated Tongue And Groove Metal Siding Panels (07 42 13 23) Note: G-90 galvanized steel, 24 gauge exterior face and 24 gauge interior liner. Galvalume AZ-55 coating designation with texture. Non-CFC polyurethane foam core. Standard color on exterior and interior panels. CF Mesa Profile wall panels as manufactured by Metl-Span Corporation.		
07 42 13 23-0002	SF		2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels..... <i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i> <i>For Premium Exterior Colors, Add</i>	14.83 0.24 0.12	2.08
07 42 13 23-0003	SF		2-1/2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels..... <i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i> <i>For Premium Exterior Colors, Add</i>	16.74 0.24 0.12	2.34



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 42 13 23-0004 SF 3" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels <i>For AZ-50 Aluminum-Zinc Coated Exterior, Add For Premium Exterior Colors, Add</i>	18.38 0.24 0.12	2.66
07 42 13 23-0005 SF 4" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels <i>For AZ-50 Aluminum-Zinc Coated Exterior, Add For Premium Exterior Colors, Add</i>	20.70 0.24 0.12	3.52
07 42 63 Fabricated Wall Panel Assemblies (07 42)		
07 42 63 00-0001 Insulated Freezer And Chiller Panels (07 42 63) Note: Excludes suspension system for ceiling support.		
07 42 63 00-0002 Polyurethane Sandwich Panel (07 42 63 00-0001) Note: With 22 gauge galvanized sheet metal face excludes painting.		
07 42 63 00-0003 SF 2" 22 Gauge Freezer Panel Sheet Metal Both Faces	15.56	1.45
07 42 63 00-0004 SF 3" 22 Gauge Freezer Panel Sheet Metal Both Faces	16.47	1.45
07 42 63 00-0005 SF 4" 22 Gauge Freezer Panel Sheet Metal Both Faces	19.57	1.45
07 42 63 00-0006 SF 5" 22 Gauge Freezer Panel Sheet Metal Both Faces	21.18	1.53
07 42 63 00-0007 SF 6" 22 Gauge Freezer Panel Sheet Metal Both Faces	22.49	1.53
07 42 63 00-0008 SF 2" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	13.95	1.20
07 42 63 00-0009 SF 3" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	15.16	1.20
07 42 63 00-0010 SF 4" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	18.24	1.28
07 42 63 00-0011 SF 5" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	17.71	1.28
07 42 63 00-0012 SF 6" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	20.81	1.28
07 42 63 00-0013 Polyurethane Sandwich Panel (07 42 63 00-0001) Note: With .040 aluminum baked enamel finish.		
07 42 63 00-0014 SF 2" Freezer Panel 0.040" Aluminum Finish Both Faces	10.07	1.45
07 42 63 00-0015 SF 3" Freezer Panel 0.040" Aluminum Finish Both Faces	10.72	1.45
07 42 63 00-0016 SF 4" Freezer Panel 0.040" Aluminum Finish Both Faces	12.44	1.45
07 42 63 00-0017 SF 5" Freezer Panel 0.040" Aluminum Finish Both Faces	13.51	1.53
07 42 63 00-0018 SF 6" Freezer Panel 0.040" Aluminum Finish Both Faces	14.27	1.53
07 42 63 00-0019 SF 2" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	9.01	1.20
07 42 63 00-0020 SF 3" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	9.67	1.20
07 42 63 00-0021 SF 4" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	10.37	1.28
07 42 63 00-0022 SF 5" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	12.09	1.28
07 42 63 00-0023 SF 6" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	13.14	1.28
07 46 Siding (07 40)		
07 46 16 Aluminum Siding (07 46) Note: Includes all necessary furring strips, trim for corners, windows and doors.		
07 46 16 00-0001 Aluminum Coil Stock Cladding (07 46 16) Note: Per SF of board, includes overlappage.		
07 46 16 00-0002 SF Aluminum Cladding, 0.016" Thick	8.74	3.20
07 46 16 00-0003 SF Aluminum Cladding, 0.019" Thick	8.82	3.20
07 46 16 00-0004 SF Aluminum Cladding, 0.024" Thick	8.97	3.20
07 46 16 00-0005 Aluminum Siding Panels (07 46 16)		
07 46 16 00-0006 Corrugated Aluminum Siding Panels (07 46 16 00-0005) Note: Includes factory applied PVDF paint finish.		
07 46 16 00-0007 SF 0.019", Painted Finish, Corrugated Aluminum Siding Panel	5.71	1.80
07 46 16 00-0008 SF 0.021", Painted Finish, Corrugated Aluminum Siding Panel	5.91	1.80
07 46 16 00-0009 SF 0.024", Painted Finish, Corrugated Aluminum Siding Panel	6.54	1.80
07 46 16 00-0010 SF 0.032", Painted Finish, Corrugated Aluminum Siding Panel	7.76	1.80
07 46 16 00-0011 V- Beam Aluminum Siding Panels (07 46 16 00-0005) Note: Includes factory applied PVDF paint finish.		
07 46 16 00-0012 SF 0.032", Painted Finish, V- Beam Aluminum Siding Panel	7.71	1.80
07 46 16 00-0013 SF 0.040", Painted Finish, V- Beam Aluminum Siding Panel	8.52	1.80
07 46 16 00-0014 SF 0.050", Painted Finish, V- Beam Aluminum Siding Panel	10.46	1.80
07 46 16 00-0015 Box Ribbed Aluminum Siding Panels (07 46 16 00-0005) Note: Includes factory applied PVDF paint finish.		
07 46 16 00-0016 SF 0.032", Painted Finish, Box Ribbed Aluminum Siding Panel	8.06	1.80
07 46 16 00-0017 SF 0.040", Painted Finish, Box Ribbed Aluminum Siding Panel	8.85	1.80
07 46 16 00-0018 SF 0.050", Painted Finish, Box Ribbed Aluminum Siding Panel	9.33	1.80
07 46 16 00-0019 Aluminum Soffit And Fascia (07 46 16) Note: Excludes J-channel.		
07 46 16 00-0020 LF 6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	3.54	1.35
<i>For 0.015" Thick, Deduct</i>	-0.06	

07 Thermal And Moisture Protection**07 40 Roofing And Siding Panels****07 46 Siding**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 16 00-0021	LF		10" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	4.24	1.42
			<i>For 0.015" Thick, Deduct</i>	-0.10	
07 46 16 00-0022	LF		1" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	4.58	1.46
			<i>For 0.015" Thick, Deduct</i>	-0.12	
07 46 16 00-0023	LF		1'-6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	5.56	1.54
			<i>For 0.015" Thick, Deduct</i>	-0.18	
07 46 16 00-0024	LF		2' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	6.70	1.68
			<i>For 0.015" Thick, Deduct</i>	-0.24	
07 46 16 00-0025	LF		3' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	8.69	1.85
			<i>For 0.015" Thick, Deduct</i>	-0.36	
07 46 16 00-0026	LF		4' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	10.73	2.04
			<i>For 0.015" Thick, Deduct</i>	-0.47	
07 46 16 00-0027	LF		5' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	12.80	2.25
			<i>For 0.015" Thick, Deduct</i>	-0.59	
07 46 16 00-0028	LF		4" Exposure, 0.024" Thick, Aluminum Fascia.....	4.00	1.32
07 46 16 00-0029	LF		6" Exposure, 0.024" Thick, Aluminum Fascia	4.33	1.35
07 46 16 00-0030	LF		8" Exposure, 0.024" Thick, Aluminum Fascia	4.96	1.39
07 46 16 00-0031	LF		10" Exposure, 0.024" Thick, Aluminum Fascia	5.64	1.42
07 46 16 00-0032			Aluminum Siding Accessories (07 46 16)		
07 46 16 00-0033	LF		3/8" Pocket, Aluminum J-Channel	2.81	1.27
07 46 16 00-0034	LF		1/2" Pocket, Aluminum J-Channel	2.81	1.27
07 46 16 00-0035	LF		3/4" Pocket, Aluminum J-Channel	3.19	1.27
07 46 16 00-0036	LF		3/8" Pocket, Aluminum F-Channel	2.89	1.27
07 46 16 00-0037	LF		1/2" Pocket, Aluminum F-Channel	2.89	1.27
07 46 19			Steel Siding (07 46)		
			Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.		
07 46 19 00-0001			Steel Siding Panels (07 46 19)		
07 46 19 00-0002			Corrugated Steel Siding Panels (07 46 19 00-0001)		
			Note: Includes factory applied PVDF paint finish.		
07 46 19 00-0003	SF		20 Gauge, Painted Finish, Corrugated Steel Siding Panel	7.93	1.80
			<i>For Galvanized Instead Of Painted Steel, Add</i>	1.08	
07 46 19 00-0004	SF		22 Gauge, Painted Finish, Corrugated Steel Siding Panel	7.36	1.80
			<i>For Galvanized Instead Of Painted Steel, Add</i>	0.94	
07 46 19 00-0005	SF		24 Gauge, Painted Finish, Corrugated Steel Siding Panel	7.21	1.80
			<i>For Galvanized Instead Of Painted Steel, Add</i>	0.90	
07 46 19 00-0006	SF		26 Gauge, Painted Finish, Corrugated Steel Siding Panel	5.51	1.80
			<i>For Galvanized Instead Of Painted Steel, Add</i>	0.48	
07 46 19 00-0007	SF		28 Gauge, Painted Finish, Corrugated Steel Siding Panel	5.39	1.80
			<i>For Galvanized Instead Of Painted Steel, Add</i>	0.45	
07 46 19 00-0008	SF		30 Gauge, Painted Finish, Corrugated Steel Siding Panel	5.31	1.80
			<i>For Galvanized Instead Of Painted Steel, Add</i>	0.43	
07 46 19 00-0009			Box Ribbed Steel Siding Panels (07 46 19 00-0001)		
			Note: Includes factory applied PVDF paint finish.		
07 46 19 00-0010	SF		20 Gauge, Painted Finish, Box Ribbed Steel Siding Panel.....	7.49	1.80
			<i>For Galvanized Instead Of Painted Steel, Add</i>	0.97	
07 46 19 00-0011	SF		22 Gauge, Painted Finish, Box Ribbed Steel Siding Panel.....	7.23	1.80
			<i>For Galvanized Instead Of Painted Steel, Add</i>	0.91	
07 46 19 00-0012	SF		24 Gauge, Painted Finish, Box Ribbed Steel Siding Panel.....	7.06	1.80
			<i>For Galvanized Instead Of Painted Steel, Add</i>	0.87	
07 46 19 00-0013	SF		26 Gauge, Painted Finish, Box Ribbed Steel Siding Panel.....	6.77	1.80
			<i>For Galvanized Instead Of Painted Steel, Add</i>	0.79	
07 46 19 00-0014	SF		28 Gauge, Painted Finish, Box Ribbed Steel Siding Panel.....	6.15	1.80
			<i>For Galvanized Instead Of Painted Steel, Add</i>	0.64	
07 46 19 00-0015			Clapboard Steel Siding Panels (07 46 19 00-0001)		
			Note: Includes factory applied PVDF paint finish.		
07 46 19 00-0016	SF		29 Gauge, Painted Finish, Clapboard Steel Siding Panel.....	4.91	0.90
07 46 23			Wood Siding (07 46)		
			Note: Includes all necessary furring strips, trim for corners, windows and doors.		
07 46 23 00-0001			Wood Lap Siding (07 46 23)		
07 46 23 00-0002	LF		8" Wide Rough Sawn Cedar Lap Siding	3.23	1.32
07 46 23 00-0003	LF		10" Wide Rough Sawn Cedar Lap Siding	3.54	1.41
07 46 23 00-0004	LF		12" Wide Rough Sawn Cedar Lap Siding	3.86	1.50
07 46 23 00-0005	LF		6" To 8" Wide Southern Yellow Pine Lap Siding, D Grade	3.40	1.32
07 46 23 00-0006	LF		6" To 8" Wide Spruce Lap Siding, #2 Or Better	3.69	1.32
07 46 23 00-0007	LF		6" To 8" Wide Western Red Cedar, B Grade Lap Siding	4.31	1.32
07 46 23 00-0008	LF		6" To 8" Wide Western Red Cedar, A Grade Lap Siding	4.56	1.32
07 46 23 00-0009	LF		6" To 8" Wide Clear Heart Redwood Lap Siding.....	4.21	1.32
07 46 23 00-0010	LF		1" x 8" Cedar Round Or Flat Front Siding, Log Cabin.....	3.35	1.41
07 46 23 00-0011	LF		1" x 8" Cedar Beveled Siding, Channel, Rustic.....	3.35	1.41



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 23 00-0012			Tongue And Groove Siding (07 46 23)		
07 46 23 00-0013	SF		1" x 6" Tongue And Groove Southern Yellow Pine Siding	3.20	1.32
07 46 23 00-0014	SF		1" x 8" Tongue And Groove Southern Yellow Pine Siding	3.46	1.32
07 46 23 00-0015	SF		1" x 6" 105 Southern Yellow Pine Siding	3.26	1.32
07 46 23 00-0016	SF		1" x 8" 105 Southern Yellow Pine Siding	3.61	1.32
07 46 29			Plywood Siding (07 46)		
			Note: Includes all necessary furring strips, trim for corners, windows and doors.		
07 46 29 00-0001			T-111 Siding (07 46 29)		
07 46 29 00-0002	SF		5/8" T-111, Fine Grade Siding, Paint Ready Applied To Blackboard / Stud.....	2.34	0.68
			<i>For Pressure Treated, Add</i>	0.18	
07 46 33			Plastic Siding (07 46)		
			Note: Includes all necessary furring strips, trim for corners, windows and doors.		
07 46 33 00-0001			Vinyl Siding (07 46 33)		
			Note: Includes standard manufacturer's colors.		
07 46 33 00-0002			Vinyl Siding Panels (07 46 33 00-0001)		
			Note: Excludes J-channels, starter strips and trim.		
07 46 33 00-0003			Horizontal Vinyl Siding Panels (07 46 33 00-0002)		
			Note: Includes single, double or triple profiles. Includes traditional clapboard or dutch lap styles.		
07 46 33 00-0004	SF		7" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	4.19	1.65
			<i>For 0.040" Thick, Deduct</i>	-0.13	
			<i>For 0.042" Thick, Deduct</i>	0.04	
			<i>For 0.046" Thick, Add</i>	0.32	
			<i>For Manufacturer's Custom Colors, Add</i>	0.04	
07 46 33 00-0005	SF		8" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	4.00	1.55
			<i>For 0.040" Thick, Deduct</i>	-0.13	
			<i>For 0.042" Thick, Deduct</i>	0.04	
			<i>For 0.046" Thick, Add</i>	0.32	
			<i>For Manufacturer's Custom Colors, Add</i>	0.04	
07 46 33 00-0006	SF		9" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	3.86	1.48
			<i>For 0.040" Thick, Deduct</i>	-0.13	
			<i>For 0.042" Thick, Deduct</i>	0.04	
			<i>For 0.046" Thick, Add</i>	0.32	
			<i>For Manufacturer's Custom Colors, Add</i>	0.04	
07 46 33 00-0007	SF		10" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	3.71	1.41
			<i>For 0.040" Thick, Deduct</i>	-0.13	
			<i>For 0.042" Thick, Deduct</i>	0.04	
			<i>For 0.046" Thick, Add</i>	0.32	
			<i>For Manufacturer's Custom Colors, Add</i>	0.04	
07 46 33 00-0008	SF		12" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	3.51	1.32
			<i>For 0.040" Thick, Deduct</i>	-0.13	
			<i>For 0.042" Thick, Deduct</i>	0.04	
			<i>For 0.046" Thick, Add</i>	0.32	
			<i>For Manufacturer's Custom Colors, Add</i>	0.04	
07 46 33 00-0009			Vertical Vinyl Siding Panels (07 46 33 00-0002)		
07 46 33 00-0010	SF		7" Exposure, 0.048" Thick, Board And Batten, Vinyl Siding Panel.....	4.87	1.65
			<i>For Manufacturer's Custom Colors, Add</i>	0.08	
07 46 33 00-0011			Vinyl Siding Accessories (07 46 33 00-0001)		
07 46 33 00-0012	LF		3/4" Pocket, Outside Corner Post For Vinyl Siding	4.78	1.27
			<i>For Manufacturer's Custom Colors, Add</i>	0.11	
07 46 33 00-0013	LF		1-1/8" Pocket, Outside Corner Post For Vinyl Siding	8.23	1.27
			<i>For Manufacturer's Custom Colors, Add</i>	0.29	
07 46 33 00-0014	LF		3/4" Pocket, Inside Corner Post For Vinyl Siding	3.91	1.27
			<i>For Manufacturer's Custom Colors, Add</i>	0.07	
07 46 33 00-0015	LF		1-1/8" Pocket, Inside Corner Post For Vinyl Siding	4.64	1.27
			<i>For Manufacturer's Custom Colors, Add</i>	0.11	
07 46 33 00-0016	LF		3/8" Pocket, J-Channel For Vinyl Siding	3.02	1.27
			<i>For Manufacturer's Custom Colors, Add</i>	0.03	
07 46 33 00-0017	LF		1/2" Pocket, J-Channel For Vinyl Siding	2.85	1.27
			<i>For Manufacturer's Custom Colors, Add</i>	0.03	
07 46 33 00-0018	LF		5/8" Pocket, J-Channel For Vinyl Siding	2.82	1.27
			<i>For Manufacturer's Custom Colors, Add</i>	0.02	
07 46 33 00-0019	LF		3/4" Pocket, J-Channel For Vinyl Siding	2.93	1.27
			<i>For Manufacturer's Custom Colors, Add</i>	0.03	
07 46 33 00-0020	LF		1" Pocket, J-Channel For Vinyl Siding	3.41	1.27
			<i>For Manufacturer's Custom Colors, Add</i>	0.04	
07 46 33 00-0021	LF		1-1/4" Pocket, J-Channel For Vinyl Siding	3.66	1.27
			<i>For Manufacturer's Custom Colors, Add</i>	0.06	
07 46 33 00-0022	LF		2-1/2" Pocket, J-Channel For Vinyl Siding	4.17	1.27
			<i>For Manufacturer's Custom Colors, Add</i>	0.05	
07 46 33 00-0023	LF		1/2" Pocket, F-Channel For Vinyl Siding	2.80	1.27
			<i>For Manufacturer's Custom Colors, Add</i>	0.04	
07 46 33 00-0024	LF		3/4" Pocket, 3-1/2" Lineals For Vinyl Siding	6.15	1.75
			<i>For Manufacturer's Custom Colors, Add</i>	0.13	

07 Thermal And Moisture Protection**07 40 Roofing And Siding Panels****07 46 Siding**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0025	LF		3/4" Pocket, 5" Lineals For Vinyl Siding.....	6.39	1.75
			<i>For Manufacturer's Custom Colors, Add</i>	0.15	
07 46 33 00-0026	LF		1-1/8" Pocket, 3-1/2" Lineals For Vinyl Siding.....	6.92	1.75
			<i>For Manufacturer's Custom Colors, Add</i>	0.17	
07 46 33 00-0027	LF		3/8" Pocket, 1-7/8" H-Mold For Vinyl Siding.....	3.78	1.27
			<i>For Manufacturer's Custom Colors, Add</i>	0.06	
07 46 33 00-0028	LF		Vinyl Starter Strip For Vinyl Siding.....	4.54	1.27
			<i>For Manufacturer's Custom Colors, Add</i>	0.10	
07 46 33 00-0029	LF		Undersill Trim For Vinyl Siding.....	3.99	1.27
			<i>For Manufacturer's Custom Colors, Add</i>	0.07	
07 46 33 00-0030			Vinyl Soffit And Fascia (07 46 33 00-0001)		
			Note: Excludes J-channel.		
07 46 33 00-0031	LF		6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	3.52	1.35
			<i>For 0.038" Thick, Deduct</i>	-0.37	
			<i>For 0.040" Thick, Deduct</i>	-0.31	
			<i>For Manufacturer's Custom Colors, Add</i>	0.04	
07 46 33 00-0032	LF		10" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	4.20	1.42
			<i>For 0.038" Thick, Deduct</i>	-0.62	
			<i>For 0.040" Thick, Deduct</i>	-0.52	
			<i>For Manufacturer's Custom Colors, Add</i>	0.07	
07 46 33 00-0033	LF		1" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	4.55	1.46
			<i>For 0.038" Thick, Deduct</i>	-0.73	
			<i>For 0.040" Thick, Deduct</i>	-0.61	
			<i>For Manufacturer's Custom Colors, Add</i>	0.08	
07 46 33 00-0034	LF		1'-6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	5.50	1.54
			<i>For 0.038" Thick, Deduct</i>	-1.12	
			<i>For 0.040" Thick, Deduct</i>	-0.92	
			<i>For Manufacturer's Custom Colors, Add</i>	0.12	
07 46 33 00-0035	LF		2' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	6.62	1.68
			<i>For 0.038" Thick, Deduct</i>	-1.49	
			<i>For 0.040" Thick, Deduct</i>	-1.25	
			<i>For Manufacturer's Custom Colors, Add</i>	0.16	
07 46 33 00-0036	LF		3' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	8.58	1.85
			<i>For 0.038" Thick, Deduct</i>	-2.24	
			<i>For 0.040" Thick, Deduct</i>	-1.86	
			<i>For Manufacturer's Custom Colors, Add</i>	0.24	
07 46 33 00-0037	LF		4' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	10.57	2.04
			<i>For 0.038" Thick, Deduct</i>	-2.97	
			<i>For 0.040" Thick, Deduct</i>	-2.49	
			<i>For Manufacturer's Custom Colors, Add</i>	0.33	
07 46 33 00-0038	LF		5' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	12.61	2.25
			<i>For 0.038" Thick, Deduct</i>	-3.72	
			<i>For 0.040" Thick, Deduct</i>	-3.13	
			<i>For Manufacturer's Custom Colors, Add</i>	0.41	
07 46 33 00-0039	LF		4" Exposure, Vinyl Fascia.....	3.62	1.32
			<i>For Manufacturer's Custom Colors, Add</i>	0.05	
07 46 33 00-0040	LF		6" Exposure, Vinyl Fascia.....	3.97	1.35
			<i>For Manufacturer's Custom Colors, Add</i>	0.06	
07 46 33 00-0041	LF		8" Exposure, Vinyl Fascia.....	3.95	1.39
			<i>For Manufacturer's Custom Colors, Add</i>	0.06	
07 46 33 00-0042	LF		10" Exposure, Vinyl Fascia.....	4.44	1.42
			<i>For Manufacturer's Custom Colors, Add</i>	0.08	
07 46 33 00-0043			Fiberglass Siding (07 46 33)		
07 46 33 00-0044			Corrugated Panels (07 46 33 00-0043)		
07 46 33 00-0045	SF		6 Ounce Corrugated Fiberglass Panels.....	5.47	1.94
07 46 33 00-0046	SF		8 Ounce Corrugated Fiberglass Panels.....	5.79	1.75
07 46 33 00-0047	SF		12 Ounce Corrugated Fiberglass Panels.....	6.36	1.75
07 46 33 00-0048			Flat Panels (07 46 33 00-0043)		
07 46 33 00-0049	SF		6 Ounce Flat Fiberglass Panels.....	5.27	1.75
07 46 33 00-0050	SF		8 Ounce Flat Fiberglass Panels.....	5.79	1.75
07 46 46			Fiber-Cement Siding (07 46)		
			Note: Smooth or patterns. Includes sealer and primer.		
07 46 46 00-0001			5/16" Thick, Fiber Cement Lap Siding (07 46 46)		
07 46 46 00-0002	SF		5-1/4" Board with 4" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	5.53	2.04
07 46 46 00-0003	SF		6-1/4" Board with 5" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	5.27	1.94
07 46 46 00-0004	SF		7-1/4" Board with 6" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	5.15	1.89
07 46 46 00-0005	SF		8-1/4" Board with 7" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	5.03	1.84
07 46 46 00-0006	SF		9-1/2" Board with 8" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	4.79	1.75
07 46 46 00-0007	SF		12" Board with 10-3/4" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	4.57	1.65
07 46 46 00-0008	LF		Starter Strip, Fiber Cement Lap Siding.....	1.20	0.49
07 46 46 00-0009			Fiber Cement Shingle Siding (07 46 46)		
07 46 46 00-0010	SF		Fiber Cement Shingle Siding.....	8.03	1.79



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 46 00-0011				Fiber Cement Vertical Panel Siding (07 46 46)		
07 46 46 00-0012	SF			Fiber Cement Vertical Panel Siding.....	4.06	1.46
07 46 46 00-0013				Fiber Cement Trim Boards (07 46 46)		
07 46 46 00-0014				7/16" Thick, Fiber Cement Trim Boards (07 46 46 00-0013)		
07 46 46 00-0015	LF			4" Wide, 7/16" Thick, Fiber Cement Trim Board.....	2.64	0.97
07 46 46 00-0016	LF			6" Wide, 7/16" Thick, Fiber Cement Trim Board.....	3.31	1.07
07 46 46 00-0017	LF			8" Wide, 7/16" Thick, Fiber Cement Trim Board.....	3.94	1.16
07 46 46 00-0018	LF			12" Wide, 7/16" Thick, Fiber Cement Trim Board.....	5.13	1.36
07 46 46 00-0019				3/4" Thick Fiber Cement Trim Boards (07 46 46 00-0013)		
07 46 46 00-0020	LF			4" Wide, 3/4" Thick, Fiber Cement Trim Board.....	2.76	0.97
07 46 46 00-0021	LF			6" Wide, 3/4" Thick, Fiber Cement Trim Board.....	3.49	1.07
07 46 46 00-0022	LF			8" Wide, 3/4" Thick, Fiber Cement Trim Board.....	4.24	1.16
07 46 46 00-0023	LF			12" Wide, 3/4" Thick, Fiber Cement Trim Board.....	4.48	1.36
07 46 46 00-0024				1" Thick Fiber Cement Trim Boards (07 46 46 00-0013)		
07 46 46 00-0025	LF			4" Wide, 1" Thick, Fiber Cement Trim Board.....	2.91	0.97
07 46 46 00-0026	LF			6" Wide, 1" Thick, Fiber Cement Trim Board.....	3.75	1.07
07 46 46 00-0027	LF			8" Wide, 1" Thick, Fiber Cement Trim Board.....	4.62	1.16
07 46 46 00-0028	LF			12" Wide, 1" Thick, Fiber Cement Trim Board.....	6.10	1.36
07 46 46 00-0029				Fiber Cement Fascia Board (07 46 46)		
07 46 46 00-0030	LF			5/4" x 3-1/2" Fiber Cement Fascia Board.....	4.82	1.93
07 46 46 00-0031	LF			5/4" x 5-1/2" Fiber Cement Fascia Board.....	5.81	2.14
07 46 46 00-0032	LF			5/4" x 7-1/4" Fiber Cement Fascia Board.....	6.29	2.14
07 46 46 00-0033	LF			5/4" x 11-1/4" Fiber Cement Fascia Board.....	8.10	2.51
07 46 46 00-0034				Fiber Cement Soffit Boards (07 46 46)		
07 46 46 00-0035	SF			1/4" Thick, Non Vented Fiber Cement Soffit.....	5.00	1.39
07 46 46 00-0036	SF			1/4" Thick, Vented Fiber Cement Soffit.....	5.28	1.39
07 46 63				Fabricated Panel Assemblies With Siding (07 46)		
07 46 63 00-0001				Metal Liner Panels (07 46 63)		
07 46 63 00-0002				Galvanized Metal Liner Panels (07 46 63 00-0001)		
07 46 63 00-0003	SF			24 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	7.00	1.55
07 46 63 00-0004	SF			22 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	7.61	1.55
07 46 63 00-0005	SF			20 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	8.68	1.55
07 46 63 00-0006	SF			18 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	8.79	1.55
07 50				Membrane Roofing (07)		
Note: Includes placement of materials on roof up to 2-1/2 stories. See CSI section 07 22 16 00-0000 for insulation, 07 60 00 00-0000 for additional flashing, sheet metal and trim, 07 70 00 00-0000 for additional roof accessories.						
07 51				Built-Up Bituminous Roofing (07 50)		
07 51 13				Built-Up Asphalt Roofing (07 51)		
07 51 13 00-0001				Built-Up Asphalt Roofing Components (07 51 13)		
07 51 13 00-0002				Built-Up Asphalt Membrane Roofing (07 51 13 00-0001)		
Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0066 for built-up roofing demolition.						
07 51 13 00-0003				Cold Adhesive Applied, Built-Up Asphalt Membrane Roofing (07 51 13 00-0002)		
Note: Includes applying cold adhesive and embedding the membrane.						
07 51 13 00-0004				Cold Adhesive Applied, Built-Up Asphalt Roofing Base, Ply And Cap Sheets (07 51 13 00-0003)		
07 51 13 00-0005	SQ			Type IV, Asphalt Coated Fiberglass Ply Sheet, Cold Adhesive Applied.....	63.57	
For Up To 10, Add					11.60	
For >10 To 25, Add					8.79	
07 51 13 00-0006	SQ			Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Cold Adhesive Applied.....	155.58	
For Up To 10, Add					16.20	
For >10 To 25, Add					13.39	
07 51 13 00-0007				Cold Adhesive Applied, Built-Up Asphalt Roofing Flashing (07 51 13 00-0003)		
07 51 13 00-0008	SF			Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Cold Adhesive Applied.....	4.13	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0009			Hot-Mopped, Built-Up Asphalt Membrane Roofing (07 51 13 00-0002) Note: Includes mopping hot asphalt and embedding the membrane.		
07 51 13 00-0010			Hot-Mopped, Built-Up Asphalt Roofing Base, Ply And Cap Sheets (07 51 13 00-0009)		
07 51 13 00-0011	SQ		Type IV, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped.....	50.01	
			<i>For Up To 10, Add</i>	10.92	
			<i>For >10 To 25, Add</i>	8.11	
07 51 13 00-0012	SQ		Type VI, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped.....	52.63	
			<i>For Up To 10, Add</i>	11.05	
			<i>For >10 To 25, Add</i>	8.25	
07 51 13 00-0013	SQ		Fine Mineral Surfaced, Asphalt Coated Fiberglass Base Sheet, Hot-Mopped.....	55.62	
			<i>For Up To 10, Add</i>	11.20	
			<i>For >10 To 25, Add</i>	8.40	
07 51 13 00-0014	SQ		Asphalt Coated Fiberglass Venting Base Sheet, Hot-Mopped.....	88.68	
			<i>For Up To 10, Add</i>	12.86	
			<i>For >10 To 25, Add</i>	10.05	
07 51 13 00-0015	SQ		Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Hot-Mopped.....	142.02	
			<i>For Up To 10, Add</i>	15.52	
			<i>For >10 To 25, Add</i>	12.72	
07 51 13 00-0016	SQ		Granule Surfaced, Asphalt Coated Fiberglass Cap Sheet, Hot-Mopped.....	111.59	
			<i>For Up To 10, Add</i>	14.80	
			<i>For >10 To 25, Add</i>	11.73	
07 51 13 00-0017			Hot-Mopped, Built-Up Asphalt Roofing Flashing (07 51 13 00-0009)		
07 51 13 00-0018	SF		Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Hot-Mopped.....	2.89	
07 51 13 00-0019			Mechanically Fastened, Built-Up Asphalt Membrane Roofing (07 51 13 00-0002) Note: Includes fasteners.		
07 51 13 00-0020			Mechanically Fastened, Built-Up Asphalt Roofing Base, Ply And Cap Sheets (07 51 13 00-0019)		
07 51 13 00-0021	SQ		Type VI, Asphalt Coated Fiberglass Ply Sheet, Mechanically Fastened.....	46.09	
			<i>For Up To 10, Add</i>	6.51	
			<i>For >10 To 25, Add</i>	5.11	
07 51 13 00-0022	SQ		Asphalt Coated Fiberglass Venting Base Sheet, Mechanically Fastened.....	82.13	
			<i>For Up To 10, Add</i>	8.31	
			<i>For >10 To 25, Add</i>	6.91	
07 51 13 00-0023	SQ		Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Mechanically Fastened.....	135.48	
			<i>For Up To 10, Add</i>	10.98	
			<i>For >10 To 25, Add</i>	9.58	
07 51 13 00-0024			Mechanically Fastened, Built-Up Asphalt Roofing Flashing (07 51 13 00-0019)		
07 51 13 00-0025	SF		Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Mechanically Fastened.....	3.34	
07 51 13 00-0026			Asphalt Saturated Organic Felt (07 51 13 00-0001)		
07 51 13 00-0027			Cold Adhesive Applied, Asphalt Saturated Organic Felt (07 51 13 00-0026) Note: Includes applying cold adhesive and embedding the felt.		
07 51 13 00-0028	SQ		15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied.....	61.93	
			<i>For Up To 10, Add</i>	11.52	
			<i>For >10 To 25, Add</i>	8.71	
07 51 13 00-0029	SQ		30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied.....	68.70	
			<i>For Up To 10, Add</i>	11.86	
			<i>For >10 To 25, Add</i>	9.05	
07 51 13 00-0030			Hot-Mopped, Asphalt Saturated Organic Felt (07 51 13 00-0026) Note: Includes mopping hot asphalt and embedding the felt.		
07 51 13 00-0031	SQ		15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped.....	48.37	
			<i>For Up To 10, Add</i>	10.84	
			<i>For >10 To 25, Add</i>	8.03	
07 51 13 00-0032	SQ		30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped.....	55.14	
			<i>For Up To 10, Add</i>	11.18	
			<i>For >10 To 25, Add</i>	8.37	
07 51 13 00-0033			Mechanically Fastened, Asphalt Saturated Organic Felt (07 51 13 00-0026) Note: Includes fasteners.		
07 51 13 00-0034	SQ		15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened.....	24.19	
			<i>For Up To 10, Add</i>	5.42	
			<i>For >10 To 25, Add</i>	4.01	
07 51 13 00-0035	SQ		30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened.....	30.96	
			<i>For Up To 10, Add</i>	5.75	
			<i>For >10 To 25, Add</i>	4.35	
07 51 13 00-0036			Surfacing (07 51 13 00-0001)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0037 SQ 400 LB/SQ Gravel Roofing Ballast, Set In Hot Asphalt Flood Coat	111.40	
For Up To 10, Add	26.62	
For >10 To 25, Add	19.61	
07 51 13 00-0038 SQ 400 LB/SQ Gravel Roofing Ballast, Set In Cold Adhesive Flood Coat.....	151.21	
For Up To 10, Add	28.61	
For >10 To 25, Add	21.60	
07 51 13 00-0039 CY Gravel Roofing Ballast, Spread To Desired Thickness	126.09	
Note: Excludes hot asphalt or cold adhesive.		
07 51 13 00-0040 SQ Protective Polypropylene Fabric Mat, Loose Laid.....	31.67	
Note: Installed as a separator mat (under membrane), a crushed stone mat (above membrane) or as a stone separator mat in ballasted systems.		
For Up To 10, Add	4.36	
For >10 To 25, Add	3.44	
07 51 13 00-0041 SQ Clay-Stabilized, Water-Based Asphalt Emulsion With Reinforcing Fibers, Weather-Proofing Surface Coating, Price Per Coat	65.91	
Note: Protective coating for use over built-up, SBS and APP modified bitumen, metal, concrete and wood roofs.		
For Up To 10, Add	8.35	
For >10 To 25, Add	6.66	
07 51 13 00-0042 SQ Fibrated Aluminum, Asphalt-Based, Reflective Weather-Proofing Surface Coating, Price Per Coat.....	59.33	
Note: Protective and reflective coating for use over built-up, SBS and APP modified bitumen and metal roofs.		
For Up To 10, Add	8.02	
For >10 To 25, Add	6.33	
07 51 13 00-0043 SQ Aluminum Flakes And Reinforcing Fibers Suspended In Emulsified Asphalt, Reflective Surface Coating, Price Per Coat.....	77.30	
Note: Reflective coating for use over smooth-surfaced built-up roofs.		
For Up To 10, Add	8.92	
For >10 To 25, Add	7.23	
07 51 13 00-0044 SQ 100% Acrylic Elastomeric, Reflective Surface Coating, Price Per Coat.....	77.88	
Note: Reflective coating for use over built-up, SBS and APP modified bitumen roofs. For use on smooth or granule surfaced roofing systems.		
For Up To 10, Add	8.95	
For >10 To 25, Add	7.26	
For Installation Over Granule Surfaced Asphalt Roof Systems, Add	21.80	
07 51 13 00-0045 SQ 100% Acrylic Elastomeric, Bleed Blocking Base Coating, Price Per Coat.....	80.30	
Note: Bleed blocking coating for use over built-up, SBS and APP modified bitumen roofs. For use on smooth or granule surfaced roofing systems.		
For Up To 10, Add	9.07	
For >10 To 25, Add	7.38	
For Installation Over Granule Surfaced Asphalt Roof Systems, Add	22.80	
07 51 13 00-0046 SF Ceramic Coated Roofing Granules, Hand Broadcast	1.51	
Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.		
07 51 13 00-0047 SF Energy Star, Ceramic Coated Roofing Granules, Hand Broadcast.....	3.05	
Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.		
07 51 13 00-0048 Walkway Pads (07 51 13 00-0001)		
Note: Set in hot asphalt or cold adhesive.		
07 51 13 00-0049 LF 5/16" Thick, 32" Wide, Skid Resistant, SBS Modified Bitumen Walkway Pad	16.21	
07 51 13 00-0050 LF 1/2" Thick, 32" Wide, Skid Resistant, SBS Modified Bitumen Walkway Pad	19.04	
07 51 13 00-0051 Cant And Tapered Edge Strips (07 51 13 00-0001)		
07 51 13 00-0052 LF 2" x 2" Perlite Cant Strip	3.12	
07 51 13 00-0053 LF 3" x 3" Perlite Cant Strip	3.19	
07 51 13 00-0054 LF 4" x 4" Perlite Cant Strip	3.49	
07 51 13 00-0055 LF 3" x 3" Pressure Treated Wood Cant Strip, Cut Diagonally	3.16	
07 51 13 00-0056 LF 4" x 4" Pressure Treated Wood Cant Strip, Cut Diagonally	3.25	
07 51 13 00-0057 LF 1/2" x 6" Perlite Tapered Edge Strip	3.50	
07 51 13 00-0058 LF 1/2" x 12" Perlite Tapered Edge Strip	3.86	
07 51 13 00-0059 LF 1" x 12" Perlite Tapered Edge Strip	3.96	
07 51 13 00-0060 LF 1" x 24" Perlite Tapered Edge Strip	4.33	
07 51 13 00-0061 LF 1-1/2" x 12" Perlite Tapered Edge Strip	4.29	
07 51 13 00-0062 LF 1-1/2" x 18" Perlite Tapered Edge Strip	4.96	
07 51 13 00-0063 LF 1-1/2" x 24" Perlite Tapered Edge Strip	5.45	
07 51 13 00-0064 Asphalt Primer (07 51 13 00-0001)		
07 51 13 00-0065 SQ Asphalt Primer For Roofing Systems.....	25.51	
Note: Foundation coating for hot-mopped and cold applied asphalt coatings, roof cements, and asphalt based roof adhesives. For use on weathered roofing, asphalt, concrete, gypsum, masonry, block, brick and metal surfaces.		
07 51 13 00-0066 Demolish Built-Up Roofing (07 51 13 00-0001)		
Note: For removing any asphalt, coal tar or modified bitumen roofing system, including surfacing material down to the insulation or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.). See CSI section 01 74 19 00-0000 for chutes, dumpsters and hauling.		
07 51 13 00-0067 SQ Demolish Gravel/Slag Surfaced, Built Up Roofing System.....	296.83	
For Up To 10, Add	73.69	
For >10 To 25, Add	44.22	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0068 SQ Demolish Cap Sheet Surfaced, Built Up Roofing System.....	228.99	
Note: Includes protective surfacing.		
For Up To 10, Add	56.85	
For >10 To 25, Add	34.11	
07 51 13 00-0069 Roofing System Warranty (07 51 13 00-0001)		
Note: The warranty tasks below are only to be used in conjunction with the built-up bituminous and modified bituminous membrane roofing sections. The appropriate task is to be applied to the completed roofing membrane systems, not individual components. All warranties are no dollar limit to include material, equipment and labor.		
07 51 13 00-0070 EA Up To 50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	350.00	
07 51 13 00-0071 SQ >50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	5.00	
07 51 13 00-0072 EA Up To 50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	400.00	
07 51 13 00-0073 SQ >50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	8.00	
07 51 13 00-0074 EA Up To 50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	550.00	
07 51 13 00-0075 SQ >50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	11.00	
07 51 13 00-0076 Built-Up Roofing Components (Tremco) (07 51 13)		
Note: All tasks presented as a single layer. Adhesives are priced separately.		
07 51 13 00-0077 Cold Applied BUR Base Plies And Ply Sheets (07 51 13 00-0076)		
07 51 13 00-0078 SQ BURmastic Composite Ply, Cold Applied BUR Component.....	85.78	
Note: Asphalt coated polyester/glass/polyester trilaminate reinforced ply sheet. Type II. 55 mils. Also used as a hot or cold applied base sheet.		
07 51 13 00-0079 SQ BURmastic Premium Composite Ply, Cold Applied BUR Component	103.69	
Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 57 mil. Also used as a hot or cold applied base sheet.		
07 51 13 00-0080 SQ BURmastic Supreme Composite Ply, Cold Applied BUR Component	114.64	
Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 51 mil. Also used as a hot or cold applied base sheet.		
07 51 13 00-0081 SQ 28 LB BURmastic Glass Ply, Cold Applied BUR Component	26.56	
Note: Asphalt coated fiberglass base or ply sheet. Type II.		
07 51 13 00-0082 SQ 33 LB BURmastic Glass Ply, Cold Applied BUR Component	38.02	
Note: Asphalt coated fiberglass base or ply sheet. Type II.		
07 51 13 00-0083 SQ POWERply Modified HE Base Sheet, Hot Or Cold Applied BUR Component	154.46	
Note: Smooth surfaced, high elongation polyester reinforced modified bitumen base sheet. Type I, Grade S. 94 mil.		
07 51 13 00-0084 SQ POWERply Modified Heavy Duty Base Sheet, Hot Applied BUR Component.....	142.96	
Note: A smooth surfaced, non woven fiberglass/scrims fiberglass bilaminate reinforced modified bitumen membrane. 120 mil.		
07 51 13 00-0085 Hot Or Cold Applied Modified Bitumen Cap Membrane (07 51 13 00-0076)		
07 51 13 00-0086 SQ POWERply Standard Smooth Cap Membrane, Hot Or Cold Applied BUR Component.....	89.39	
Note: Fiberglass reinforced modified bitumen membrane. Type I, Grade S. 80 mils. Also used as a hot or cold applied ply.		
07 51 13 00-0087 SQ POWERply Premium Smooth Cap Membrane, Hot Or Cold Applied BUR Component.....	232.44	
Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 90 mils. Also used as a hot or cold applied ply.		
07 51 13 00-0088 SQ POWERply Supreme Smooth Cap Membrane, Hot Or Cold Applied BUR Component.....	382.77	
Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 98 mils. Also used as a hot or cold applied ply.		
07 51 13 00-0089 SQ POWERply Standard Cap Membrane, Hot Or Cold Applied BUR Component.....	105.06	
Note: Granule surface, fiberglass reinforced modified bitumen cap sheet membrane. 120 mils. Black or white surface.		
07 51 13 00-0090 SQ POWERply Standard FR Cap Membrane, Hot Or Cold Applied BUR Component	159.24	
Note: Fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane. Type I, Grade G. 120 mils.		
07 51 13 00-0091 SQ POWERply Premium FR Cap Membrane, Hot Or Cold Applied BUR Component	380.87	
Note: Fire rated, granule surfaced, polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 160 mils. Black or white surface.		
07 51 13 00-0092 SQ POWERply Standard FR GT24W Cap Membrane, Hot Or Cold Applied BUR Component.....	278.62	
Note: Highly reflective, fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane meeting California's Title 24 requirements. Type I, Grade G. 120 mils.		
07 51 13 00-0093 SQ POWERply HE FR Cap Sheet, Hot Applied BUR Component.....	273.28	
Note: High elongation, fire rated, granule surfaced, polyester reinforced modified bitumen membrane. 160 mils.		
07 51 13 00-0094 Self Adhesive Base Plies And Ply Sheets (07 51 13 00-0076)		
07 51 13 00-0095 SQ POWERply SA Base Sheet, Self Adhesive Roofing	159.13	
Note: A self adhesive, fiberglass reinforced SBS modified bitumen base sheet/underlayment. Type 1, Grade S. 80 mils.		
07 51 13 00-0096 SQ POWERply SA FR Membrane, Self Adhesive Roofing.....	317.79	
Note: A fire rated, granule surfaced, polyester reinforced, self adhesive SBS modified bitumen membrane. Type I, Grade G. 130 mils.		
07 51 13 00-0097 Flashings (07 51 13 00-0076)		
07 51 13 00-0098 LF 11-1/2" Hypalon Elastomeric Flashing.....	10.82	
Note: 45 mils.		
07 51 13 00-0099 LF 19" Hypalon Elastomeric Flashing	17.73	
Note: 45 mils.		
07 51 13 00-0100 LF 25" Hypalon Elastomeric Flashing	23.55	
Note: 45 mils.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0101 LF 38" Hypalon Elastomeric Flashing Note: 45 mils.	34.44	
07 51 13 00-0102 LF 60-1/2" Hypalon Elastomeric Flashing Note: 45 mils.	56.90	
07 51 13 00-0103 LF 12" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	8.78	
07 51 13 00-0104 LF 18" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	14.48	
07 51 13 00-0105 LF 24" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	19.29	
07 51 13 00-0106 LF 36" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	28.08	
07 51 13 00-0107 LF 60" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	47.34	
07 51 13 00-0108 LF 4" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	2.80	
07 51 13 00-0109 LF 6" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	2.90	
07 51 13 00-0110 LF 12" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	4.03	
07 51 13 00-0111 LF 36" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	10.36	
07 51 13 00-0112 Cold Applied Adhesives (07 51 13 00-0076)		
07 51 13 00-0113 SQ BURmastic Inter-Ply Cold Applied Adhesive.....	102.81	
07 51 13 00-0114 SQ BURmastic Flood Coat Cold Applied Adhesive	169.05	
07 51 13 00-0115 SQ BURmastic SF Inter-Ply Cold Applied Adhesive	129.68	
07 51 13 00-0116 SQ BURmastic LV Inter-Ply Cold Applied Adhesive	102.81	
07 51 13 00-0117 SQ POWERply Standard Inter-Ply Cold Applied Adhesive.....	54.41	
07 51 13 00-0118 SQ POWERply Standard Flood Coat Cold Applied Adhesive.....	117.81	
07 51 13 00-0119 SQ POWERply White On White Cold Applied Adhesive.....	116.35	
07 51 13 00-0120 SQ Rock-It Cold Applied Adhesive For Gravel Applications	312.27	
07 51 13 00-0121 SQ FAS-n-FREE Cold Applied Adhesive (Beads 12" OC)..... Note: For insulation only.	171.91	
07 51 13 00-0122 SQ ECOLastic Cold Applied Adhesive.....	196.30	
07 51 13 00-0123 Hot Applied Adhesives (07 51 13 00-0076)		
07 51 13 00-0124 SQ Premium III Asphalt Inter-Ply Hot Applied Adhesive.....	40.44	
07 51 13 00-0125 SQ Premium III Asphalt Flood Coat Hot Applied Adhesive.....	71.38	
07 51 13 00-0126 Flashings Adhesives (07 51 13 00-0076)		
07 51 13 00-0127 LF Sheeting Bond Flashing Adhesive..... Note: Used to attach Hypalon sheeting to asphalt or coal-tar roofing membranes.	14.45	
07 51 13 00-0128 LF Polyroof SF Flashing Mastic Note: A solvent free, one part elastomeric roof mastic. Used to seal edges or as a repair mastic for split or cracked seals.	18.29	
07 51 13 00-0129 LF ELS Flashing Mastic..... Note: Used for repairing flashings and asphalt built-up roof defects.	12.14	
07 51 13 00-0130 LF TremSEAL D General Purpose Sealant	4.72	
07 51 13 00-0131 LF TremSEAL HP High Performance Sealant	4.82	
07 51 13 00-0132 LF TremSEAL S Silicone Sealant	4.73	
07 51 13 00-0133 Surfacing (07 51 13 00-0076)		
07 51 13 00-0134 SQ TremLastic SP Non Fibered Elastomeric Emulsion Cold Applied Coating.....	150.97	
07 51 13 00-0135 SQ ICE Coating, Water Based, Heavy Bodied Elastomeric Roof Coating	339.90	
07 51 13 00-0136 SQ Polar Coat.....	91.15	
07 51 13 00-0137 SQ Alumanation 301, Asphalt Based, Fibrated Aluminum Roof Coating	110.13	
07 51 13 00-0138 SQ Wall-Tite, Elastomeric Coating For Exterior Above-Grade Walls	310.15	
07 51 13 00-0139 SQ Solarguard Hy-Build, Elastomeric Coating For Exterior Above-Grade Walls	146.43	
07 51 13 00-0140 SQ 100% Stitchbonded, Polyester Fabric (Tremco PERMAFAB).....	39.66	
07 51 13 00-0141 Walkway Protection Pads (07 51 13 00-0076)		
07 51 13 00-0142 LF 36" Wide, Fiberglass Reinforced Asphaltic Walkway Protection Pad (Tremco Trem-Tred®)	21.44	
07 51 13 00-0143 Primer (07 51 13 00-0076)		
07 51 13 00-0144 SQ TREMprime WB Primer	26.55	
07 51 13 00-0145 SQ Solarguard Masonry Primer, Acrylic Latex Primer For Wall Tite F Coating	51.73	
07 51 13 00-0146 Liquid Applied Roofing (07 51 13 00-0076)		
07 51 13 00-0147 SQ Trem-LAR LRM H Waterproofing (Horizontal)	259.01	
07 51 13 00-0148 SQ Trem-LAR LRM V Waterproofing (Vertical)..... Note: One part liquid applied elastomeric roofing membrane. 60 mils.	265.08	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0149 SQ AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Smooth BUR/MB, Concrete Or Single Ply Surfaces.....	329.03	
Note: Two part liquid applied polyurethane roof coating. 48 mils.		
07 51 13 00-0150 SQ AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Granule MB Surfaces.....	424.82	
Note: Two part liquid applied polyurethane roof coating. 64 mils.		
07 51 13 00-0151 SQ AlphaGuard BIO Top Coat, High Performance, Two-Part, Polyurethane Roof Coating.....	247.39	
Note: Two part liquid applied polyurethane roof coating. 32 mils.		
07 51 13 00-0152 SQ AlphaGuard Glass Mat.....	37.05	
Note: Reinforcement mat for AlphaGuard systems.		
07 51 13 00-0153 SQ AlphaGuard C-Prime Primer.....	54.32	
Note: 100% solids epoxy primer for concrete surfaces.		
07 51 13 00-0154 SQ AlphaGuard M-Prime Primer.....	57.66	
Note: Water based primer for metal and plastic surfaces.		
07 51 13 00-0155 SQ Geogard Primer.....	40.28	
Note: Reactivation primer for cured AlphaGuard MT roof systems and coatings.		
07 51 13 00-0156 SQ AlphaGuard Primer WB.....	36.47	
Note: Water based polymer modified primer which conditions a variety of roofing substrates prior to the application of AlphaGuard systems.		
07 51 13 00-0157 Atactic-Polypropylene (APP) Products (07 51 13 00-0076)		
07 51 13 00-0158 SQ POWERply APP Base Sheet.....	134.11	
07 51 13 00-0159 SQ POWERply APP FR.....	251.82	
07 51 13 00-0160 SQ POWERply APP Smooth.....	201.88	
07 51 13 00-0161 Tri-Polymer Alloy (TPA) White Membrane (07 51 13 00-0076)		
07 51 13 00-0162 SQ 45 Mil Tri-Polymer Alloy (TPA) White Membrane.....	359.04	
07 51 13 00-0163 SQ 60 Mil Tri-Polymer Alloy (TPA) White Membrane.....	483.95	
07 51 13 00-0164 SQ 80 Mil Tri-Polymer Alloy (TPA) White Membrane.....	546.01	
07 51 13 00-0165 Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane (07 51 13 00-0076)		
07 51 13 00-0166 SQ 45 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane.....	408.31	
07 51 13 00-0167 SQ 60 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane.....	495.58	
07 51 13 00-0168 SQ 80 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane.....	601.45	
07 51 13 00-0169 Tri-Polymer Alloy (TPA) Membrane Accessories (07 51 13 00-0076)		
07 51 13 00-0170 EA >1" To 4" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco).....	73.72	
07 51 13 00-0171 EA >4" To 8" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco).....	83.66	
07 51 13 00-0172 LF 36" Wide, Thermoplastic Tri-Polymer Alloy (TPA) Walkway Protection Pad (Tremco).....	13.83	
07 51 13 00-0173 SQ Factory Coated Steel Fasteners And Steel Or Plastic Membrane Plates (Tremco).....	49.57	
07 51 13 00-0174 Thermoplastic Polyolefin (TPO) Polyester White Membrane (07 51 13 00-0076)		
07 51 13 00-0175 SQ 45 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane.....	201.12	
07 51 13 00-0176 SQ 60 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane.....	201.60	
07 51 13 00-0177 SQ 80 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane.....	348.94	
07 51 13 00-0178 Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane (07 51 13 00-0076)		
07 51 13 00-0179 SQ 45 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane.....	229.01	
07 51 13 00-0180 SQ 60 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane.....	254.34	
07 51 13 00-0181 SQ 80 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane.....	361.92	
07 51 13 00-0182 Tremply HP 4510 CSPE White Membrane (07 51 13 00-0076)		
07 51 13 00-0183 SQ 45 Mil Tremply HP 4510 CSPE White Membrane.....	583.22	
07 51 13 00-0184 Single Ply Adhesives (07 51 13 00-0076)		
07 51 13 00-0185 SQ Low VOC, TPA Bonding Adhesive (Tremco).....	99.93	
07 51 13 00-0186 SQ Water Based, TPA Bonding Adhesive (Tremco).....	111.93	
07 51 13 00-0187 SQ Water Based, Fleece Backed Single Ply Bonding Adhesive (Tremco).....	98.19	
07 51 13 00-0188 SQ Low VOC, TPO Bonding Adhesive (Tremco).....	67.93	
07 51 13 00-0189 Warranty (07 51 13 00-0076)		
07 51 13 00-0190 EA Up To 10,000 SF 15 Year Roofing System Warranty.....	1,500.00	
07 51 13 00-0191 SF >10,000 SF 15 Year Roofing System Warranty.....	0.15	
07 51 13 00-0192 EA Up To 10,000 SF 20 Year Roofing System Warranty.....	2,000.00	
07 51 13 00-0193 SF >10,000 SF 20 Year Roofing System Warranty.....	0.20	
07 51 13 00-0194 Built-Up Roofing Components (Garland) (07 51 13)		
Note: All tasks presented as a single layer. Adhesives are priced separately.		
07 51 13 00-0195 Modified Cap Membranes (07 51 13 00-0194)		



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0196		Modified Cap Membranes, Hot/Cold Applied <small>(07 51 13 00-0195)</small> Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0197	SQ	Stressply® FR Mineral Dual Fiberglass Reinforced SBS-Modified Fiberglass Reinforced Membrane, Minimum 145 Mil.....	403.18	
07 51 13 00-0198	SQ	Stressply® Plus Poly/Fiberglass Reinforced, Smooth SBS-Modified Membrane With Recycled Rubber, 105 Mil.....	289.28	
07 51 13 00-0199	SQ	Stressply® Plus FR Mineral Poly/Fiberglass Reinforced SBS-Modified Fiberglass Reinforced Membrane With Recycled Rubber, Minimum 155 Mil.....	357.46	
07 51 13 00-0200	SQ	Stressply® E Eco-Responsible, Smooth SBS/SIS Membrane With High Recycled Content And Renewable Materials.....	371.34	
07 51 13 00-0201	SQ	Stressply® E FR Mineral Eco-Responsible, SBS/SIS Membrane With High Recycled Content And Renewable Materials, Minimum 160 Mil.....	515.86	
07 51 13 00-0202	SQ	Stressply® EUV Fiberglass Reinforced, Minimum Poly/Fiberglass Reinforced White T-24 SBS/SIS-Modified Membrane With Recycled Rubber, 160 Mil.....	579.54	
07 51 13 00-0203	SQ	Versiply® III 80 Dual Fiberglass Reinforced SBS-Modified Membrane, 80 Mil..... Note: Low strength cap sheet for hot or cold modified systems used with gravel.	243.67	
07 51 13 00-0204	SQ	Versiply® III Mineral Dual Fiberglass Reinforced SBS-Modified Membrane, Minimum 145 Mil.....	308.47	
07 51 13 00-0205	SQ	BiFlex® Cap Fiberglass Reinforced, Mineral Surfaced SBS Modified Membrane, 140 Mil.....	189.79	
07 51 13 00-0206		Modified Cap Membranes, Self-Adhering <small>(07 51 13 00-0195)</small> Note: As manufactured by Garland. Pricing represents single ply per square. Includes 25 year leak-free warranty.		
07 51 13 00-0207	SQ	Stressply® SA FR Mineral SBS-Modified Self-Adhering Fiberglass Reinforced Membrane, Minimum 140 Mil..... Note: Self adhering system. One HPR SA FR base with one ply Stress Ply SA FR cap sheet.	365.21	
07 51 13 00-0208		Modified Cap Membranes, Torch-Applied <small>(07 51 13 00-0195)</small> Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0209	SQ	Stressply® IV Dual Fiberglass Reinforced, Smooth SBS-Modified Membrane, Torch Applied, 180 Mil..... Note: Smooth surfaced SBS torch modified top ply of torch system with gravel.	448.91	
07 51 13 00-0210	SQ	Stressply® IV Mineral Dual Fiberglass Reinforced SBS-Modified Membrane, Torch Applied, Minimum 195 Mil.....	488.10	
07 51 13 00-0211	SQ	Stressply® IV UV Mineral Fiberglass Reinforced, Starburst Surface SBS-Modified Membrane, Torch Applied, Title 24 Compliant, 195 Mil.....	514.23	
07 51 13 00-0212		Modified Cap Membranes, Coal Tar Pitch Systems <small>(07 51 13 00-0195)</small> Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0213	SQ	Millennium® Poly/Fiberglass Reinforced, Smooth SBS-Modified Coal Tar Membrane, Minimum 120 Mil.....	411.66	
07 51 13 00-0214	SQ	Millennium® FR Mineral Poly/Fiberglass Reinforced SBS-Modified Coal Tar Fiberglass Reinforced Membrane, Minimum 160 Mil.....	653.02	
07 51 13 00-0215	SQ	Millennium® Mineral Poly/Fiberglass Reinforced SBS-Modified Coal Tar Membrane, Minimum 160 Mil.....	532.19	
07 51 13 00-0216		Base Plys <small>(07 51 13 00-0194)</small> Note: Used with modified cap membranes, underlayment for metal systems, and reinforcement for restoration systems.		
07 51 13 00-0217	SQ	Flexbase® E120 Fiberglass Reinforced SBS-Modified Base Sheet Used As Base Ply With Biflex Cap, 120 Mil.....	368.89	
07 51 13 00-0218	SQ	Flexbase® 80 Fiberglass Reinforced SBS-Modified Base Sheet Used As Base Ply With Biflex Cap, 80 Mil.....	232.94	
07 51 13 00-0219	SQ	HPR® Glasbase Heavy Duty Double Coated ASTM D 4601, Type II Fiberglass, Type II, 55 Mil..... Note: Glasbase used in cold system, nailed to deck, or inner ply 2 plies with cap.	54.25	
07 51 13 00-0220	SQ	HPR® Glasfelt Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type IV, 20 Mil..... Note: Inner ply felts for hot applied built up and modified BUR systems.	36.45	
07 51 13 00-0221	SQ	HPR® Premium Glasbase High Strength, Double Coated Premium Base Sheet, Far Exceeds ASTM D 4601 Type II, 55 Mil.....	44.04	
07 51 13 00-0222	SQ	HPR® Premium Glasfelt Premium Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type VI, 25 Mil.....	47.71	
07 51 13 00-0223	SQ	HPR® Tribase Premium Poly/Fiberglass Reinforced SBS-Modified Base Sheet, 60 Mil..... Note: Inner plies for cold applied modified, SBS modified, or 2 plies under cap sheet.	72.41	
07 51 13 00-0224	SQ	Millennium® Base Poly/Fiberglass Reinforced Coal Tar Base Sheet For Cold Millennium Systems, 80 Mil.....	233.67	
07 51 13 00-0225	SQ	HPR® SA FR Base Sheet SBS Modified Self-Adhering Underlayment Used In SP SA Fiberglass Reinforced Systems, Minimum 80 Mil..... Note: Self adhering base ply for self adhering 2 ply system.	203.97	
07 51 13 00-0226	SQ	StressBase® 120 Fiberglass Reinforced SBS-Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 120 Mil.....	205.70	
07 51 13 00-0227	SQ	StressBase® 80 Fiberglass Reinforced, Smooth SBS-Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 80 Mil.....	171.00	
07 51 13 00-0228	LF	Garmesh® 6" SBS Coated Woven Fiberglass Reinforcing Fabric.....	3.95	
07 51 13 00-0229	LF	Grip Polyester® Firm Polyester Reinforcement Used For Cold Application Over Smooth BUR Or Modified Roof Systems.....	10.00	
07 51 13 00-0230	SQ	Grip Polyester® Soft Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems.....	42.20	
07 51 13 00-0231	LF	Grip Polyester® Soft 12" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems.....	5.10	
07 51 13 00-0232	LF	Grip Polyester® Soft 4" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems.....	3.78	
07 51 13 00-0233	LF	Grip Polyester® Soft 6" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems.....	4.26	
07 51 13 00-0234	SQ	HPR® Polyscrim Plus Polyester Reinforcement For Hot Bitumen Applications.....	90.34	
07 51 13 00-0235		Coatings And Mastics For Roof Installation, Restoration And Repairs <small>(07 51 13 00-0194)</small>		
07 51 13 00-0236	SQ	Water Based Roof Primer, GarlaPrime VOC Primer.....	28.64	
07 51 13 00-0237	SQ	Black-Knight® Primer.....	26.72	
07 51 13 00-0238	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Interply.....	100.70	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 51 13 00-0239	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Flood Coat (4-5 GAL/SQ).....	108.51
07 51 13 00-0240	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Restoration (6-8 GAL/SQ).....	172.57
07 51 13 00-0241	SQ	Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Interply.....	270.25
07 51 13 00-0242	SQ	Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Flood Coat.....	280.66
07 51 13 00-0243	SQ	Energizer® K Plus FR Cold Applied SBS Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, One Coat (3 GAL/SQ).....	132.56
07 51 13 00-0244	SQ	Energizer® K Plus FR Cold Applied SBS Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, Restoration.....	218.63
07 51 13 00-0245	SQ	Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, One Coat (3 GAL/SQ).....	330.41
07 51 13 00-0246	SQ	Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, Restoration.....	548.48
07 51 13 00-0247	SQ	Garlastic® KM Plus Premium Hot Applied, SEBS Modified Adhesive/Waterproof, Interply.....	231.43
07 51 13 00-0248	SQ	Garlastic® KM Plus Premium Hot Applied, SEBS Modified Adhesive/Waterproof, Flood Coat.....	241.84
07 51 13 00-0249	SQ	Green-Lock® Flashing Adhesive 100% Solids Polyether, Zero VOC, Flashing Adhesive To Be Used With SBS Sheets Only.....	501.69
07 51 13 00-0250	SQ	Green-Lock® Membrane Adhesive 100% Solids Polyether, Zero VOC, Membrane Adhesive To Be Used With SBS Sheets Only.....	220.02
07 51 13 00-0251	SQ	HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Interply.....	110.08
07 51 13 00-0252	SQ	HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Flood Coat.....	120.49
07 51 13 00-0253	SQ	Insul-Lock® E HR Bio-Based High Rise Urethane Insulation Adhesive For New Construction Or Gravel.....	105.68
07 51 13 00-0254	SQ	Insul-Lock® HR High Rise Urethane Insulation Adhesive For New Construction Or Gravel Recovers.....	99.20
07 51 13 00-0255	SQ	Insul-Lock® HR Universal Primer All-Purpose Water Based Primer Designed For Use With The Insul-Lock Products.....	14.52
		Note: Adheres all insulation layers for cold systems.	
07 51 13 00-0256	SQ	Pyramic® White, Water-Based Acrylic, Low VOC, Reflective Roof Coating, Energy Star, Top Coat Required.....	113.86
07 51 13 00-0257	SQ	Pyramic® Base Coat, Water-Based, Acrylic, Low VOC, Base Coating For A Pyramic System.....	110.46
07 51 13 00-0258	LF	Silver-Flash® Aluminized Asphalt Fibered Trowel Grade Mastic Used With GarMesh.....	15.97
07 51 13 00-0259	SQ	Solex® White, Kynar Acrylic Topcoat Roof Coating Used With Pyramic Base Coat.....	146.53
07 51 13 00-0260	SQ	Tuff-Flash™ Multi-Purpose Asphaltic Polyurethane Liquid Flashing Membrane Used With Reinforcing Fabric.....	868.38
07 51 13 00-0261	SQ	Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel, Flood Coat (4-5 GAL/SQ).....	190.81
07 51 13 00-0262	SQ	Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel.....	231.14
07 51 13 00-0263	SQ	Weatherking® Cold Applied Rubber Modified Asphalt Interply Adhesive For Slopes Up To 3:12, Interply.....	88.15
07 51 13 00-0264	SQ	Weatherking® Flashing Adhesive Brush Grade, Cold Applied Asphalt Adhesive For Flashings In A Weatherking System.....	320.40
07 51 13 00-0265	SQ	Weatherking® Plus WC Cold Applied Rubber Modified, VOC Compliant Asphalt Interply Adhesive For Slopes Up To 2:12, Interply.....	87.53
		Note: Inner ply and flood coat SEBS modified adhesive for all cold systems with gravel.	

07 52 Modified Bituminous Membrane Roofing (07 50)**07 52 13 Atactic-Polypropylene Modified Bituminous Membrane Roofing** (07 52)

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing.
See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway
boards, demolition and warranties.

07 52 13 11 Cold Adhesive Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing (07 52 13)**07 52 13 11-0001 Cold Adhesive Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing** (07 52 13 11)

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the
membrane. Includes heat welding side and end laps when required.

07 52 13 11-0002 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 13 11-0001)

07 52 13 11-0003	SQ	80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Cold Adhesive Applied.....	107.68
		For Up To 10, Add.....	13.81
		For >10 To 25, Add.....	11.00
07 52 13 11-0004	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied.....	128.69
		For Up To 10, Add.....	14.86
		For >10 To 25, Add.....	12.05
07 52 13 11-0005	SQ	160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Cold Adhesive Applied.....	209.83
		For Up To 10, Add.....	18.91
		For >10 To 25, Add.....	16.11
07 52 13 11-0006	SQ	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	212.51
		For Up To 10, Add.....	19.85
		For >10 To 25, Add.....	16.77
07 52 13 11-0007	SQ	160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	145.46
		For Up To 10, Add.....	16.50
		For >10 To 25, Add.....	13.42
		For Factory Applied White Reflective Surfacing, Add.....	57.92
07 52 13 11-0008	SQ	160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	166.71
		For Up To 10, Add.....	17.56
		For >10 To 25, Add.....	14.48
		For Factory Applied White Reflective Surfacing, Add.....	57.92
07 52 13 11-0009	SQ	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	224.61
		For Up To 10, Add.....	20.45
		For >10 To 25, Add.....	17.38
		For Factory Applied White Reflective Surfacing, Add.....	57.92



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 52 13 11-0010			Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing <small>(07 52 13 11-0001)</small>		
07 52 13 11-0011	SF		160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied	4.67	
07 52 13 11-0012	SF		180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied	4.79	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.58	

07 52 13 13 Torch-Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing (07 52 13)

07 52 13 13-0001			Torch-Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing <small>(07 52 13 13)</small>		
			<small>Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.</small>		
07 52 13 13-0002			Torch-Applied, APP Modified Bitumen Roofing Base, Ply And Cap Sheets <small>(07 52 13 13-0001)</small>		
07 52 13 13-0003	SQ		80 Mil, APP Modified Bitumen Base Sheet, Torch-Applied.....	73.72	
			<i>For Up To 10, Add</i>	10.00	
			<i>For >10 To 25, Add</i>	7.90	
07 52 13 13-0004	SQ		90 Mil, APP Modified Bitumen Base Or Ply Sheet, Torch-Applied.....	94.73	
			<i>For Up To 10, Add</i>	11.05	
			<i>For >10 To 25, Add</i>	8.95	
07 52 13 13-0005	SQ		150 Mil, APP Modified Bitumen Ply Sheet, Torch-Applied.....	104.59	
			<i>For Up To 10, Add</i>	11.55	
			<i>For >10 To 25, Add</i>	9.44	
07 52 13 13-0006	SQ		160 Mil, APP Modified Bitumen Ply Sheet, Torch-Applied.....	109.97	
			<i>For Up To 10, Add</i>	11.82	
			<i>For >10 To 25, Add</i>	9.71	
07 52 13 13-0007	SQ		180 Mil, APP Modified Bitumen Ply Sheet, Torch-Applied.....	153.61	
			<i>For Up To 10, Add</i>	14.00	
			<i>For >10 To 25, Add</i>	11.89	
07 52 13 13-0008	SQ		150 Mil, Smooth Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied.....	105.86	
			<i>For Up To 10, Add</i>	11.99	
			<i>For >10 To 25, Add</i>	9.76	
07 52 13 13-0009	SQ		160 Mil, Smooth Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied.....	112.59	
			<i>For Up To 10, Add</i>	12.33	
			<i>For >10 To 25, Add</i>	10.09	
07 52 13 13-0010	SQ		180 Mil, Smooth Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied.....	154.88	
			<i>For Up To 10, Add</i>	14.44	
			<i>For >10 To 25, Add</i>	12.21	
07 52 13 13-0011	SQ		160 Mil, Granule Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied	110.10	
			<i>For Up To 10, Add</i>	12.20	
			<i>For >10 To 25, Add</i>	9.97	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	57.92	
07 52 13 13-0012	SQ		170 Mil, Granule Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied	116.62	
			<i>For Up To 10, Add</i>	12.53	
			<i>For >10 To 25, Add</i>	10.30	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	57.92	
07 52 13 13-0013	SQ		160 Mil, Fire Rated, Granule Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied.....	132.62	
			<i>For Up To 10, Add</i>	13.33	
			<i>For >10 To 25, Add</i>	11.10	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	57.92	
07 52 13 13-0014	SQ		170 Mil, Fire Rated, Granule Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied.....	134.57	
			<i>For Up To 10, Add</i>	13.42	
			<i>For >10 To 25, Add</i>	11.19	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	57.92	
07 52 13 13-0015	SQ		180 Mil, Fire Rated, Granule Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied.....	189.24	
			<i>For Up To 10, Add</i>	16.16	
			<i>For >10 To 25, Add</i>	13.93	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	57.92	

07 52 13 13-0016			Torch-Applied, APP Modified Bitumen Roofing Flashing <small>(07 52 13 13-0001)</small>		
07 52 13 13-0017	SF		150 Mil, Smooth Surfaced, APP Modified Bitumen Flashing, Torch-Applied	2.10	
07 52 13 13-0018	SF		160 Mil, Smooth Surfaced, APP Modified Bitumen Flashing, Torch-Applied	2.17	
07 52 13 13-0019	SF		180 Mil, Smooth Surfaced, APP Modified Bitumen Flashing, Torch-Applied	2.59	
07 52 13 13-0020	SF		170 Mil, Granule Surfaced, APP Modified Bitumen Flashing, Torch-Applied.....	2.21	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.58	
07 52 13 13-0021	SF		170 Mil, Fire Rated, Granule Surfaced, APP Modified Bitumen Flashing, Torch-Applied.....	2.39	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.58	
07 52 13 13-0022	SF		180 Mil, Fire Rated, Granule Surfaced, APP Modified Bitumen Flashing, Torch-Applied.....	2.94	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.58	

07 52 13 14 Mechanically Fastened Atactic-Polypropylene-Modified Bituminous Membrane Roofing (07 52 13)

07 52 13 14-0001			Mechanically Fastened Atactic-Polypropylene-Modified Bituminous Membrane Roofing <small>(07 52 13 14)</small>		
			<small>Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.</small>		

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 52 13 14-0002	Mechanically Fastened, APP Modified Bitumen Roofing Base And Ply Sheets <small>(07 52 13 14-0001)</small>	
07 52 13 14-0003	SQ 90 Mil, APP Modified Bitumen Base Or Ply Sheet, Mechanically Fastened.....	108.58
	For Up To 10, Add	9.64
	For >10 To 25, Add	8.23
07 52 16	Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing <small>(07 52)</small>	
	Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.	
07 52 16 11	Cold Adhesive Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing <small>(07 52 16)</small>	
07 52 16 11-0001	Cold Adhesive Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing <small>(07 52 16 11)</small>	
	Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.	
07 52 16 11-0002	Cold Adhesive Applied, SBS Modified Bitumen Roofing Base, Ply And Cap Sheets <small>(07 52 16 11-0001)</small>	
07 52 16 11-0003	SQ 50 Mil, SBS Modified Bitumen Base Sheet, Cold Adhesive Applied	87.11
	For Up To 10, Add	12.78
	For >10 To 25, Add	9.97
07 52 16 11-0004	SQ 80 Mil, SBS Modified Bitumen Base Sheet, Cold Adhesive Applied	110.43
	For Up To 10, Add	13.94
	For >10 To 25, Add	11.14
07 52 16 11-0005	SQ 90 Mil, SBS Modified Bitumen Base Sheet, Cold Adhesive Applied	113.44
	For Up To 10, Add	14.09
	For >10 To 25, Add	11.29
07 52 16 11-0006	SQ 120 Mil, SBS Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied	150.65
	For Up To 10, Add	15.95
	For >10 To 25, Add	13.15
07 52 16 11-0007	SQ 125 Mil, SBS Modified Bitumen Ply Sheet, Cold Adhesive Applied	188.31
	For Up To 10, Add	17.84
	For >10 To 25, Add	15.03
07 52 16 11-0008	SQ 140 Mil, Smooth Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied	159.77
	For Up To 10, Add	17.21
	For >10 To 25, Add	14.14
07 52 16 11-0009	SQ 150 Mil, Smooth Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied	163.82
	For Up To 10, Add	17.41
	For >10 To 25, Add	14.34
07 52 16 11-0010	SQ 125 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	144.86
	For Up To 10, Add	16.47
	For >10 To 25, Add	13.39
	For Factory Applied White Reflective Surfacing, Add	57.92
07 52 16 11-0011	SQ 140 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	146.61
	For Up To 10, Add	16.55
	For >10 To 25, Add	13.48
	For Factory Applied White Reflective Surfacing, Add	57.92
07 52 16 11-0012	SQ 150 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	162.75
	For Up To 10, Add	17.36
	For >10 To 25, Add	14.29
	For Factory Applied White Reflective Surfacing, Add	57.92
07 52 16 11-0013	SQ 160 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	165.44
	For Up To 10, Add	17.49
	For >10 To 25, Add	14.42
	For Factory Applied White Reflective Surfacing, Add	57.92
07 52 16 11-0014	SQ 170 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	188.97
	For Up To 10, Add	18.67
	For >10 To 25, Add	15.60
	For Factory Applied White Reflective Surfacing, Add	57.92
07 52 16 11-0015	SQ 180 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	231.85
	For Up To 10, Add	20.81
	For >10 To 25, Add	17.74
	For Factory Applied White Reflective Surfacing, Add	57.92
07 52 16 11-0016	SQ 125 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	147.78
	For Up To 10, Add	16.61
	For >10 To 25, Add	13.54
	For Factory Applied White Reflective Surfacing, Add	57.92
07 52 16 11-0017	SQ 140 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	151.99
	For Up To 10, Add	16.82
	For >10 To 25, Add	13.75
	For Factory Applied White Reflective Surfacing, Add	57.92
07 52 16 11-0018	SQ 150 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	174.85
	For Up To 10, Add	17.96
	For >10 To 25, Add	14.89
	For Factory Applied White Reflective Surfacing, Add	57.92
07 52 16 11-0019	SQ 160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	175.39
	For Up To 10, Add	17.99
	For >10 To 25, Add	14.92
	For Factory Applied White Reflective Surfacing, Add	57.92



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0020 SQ 170 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	185.61	
<i>For Up To 10, Add</i>	18.50	
<i>For >10 To 25, Add</i>	15.43	
<i>For Factory Applied White Reflective Surfacing, Add</i>	57.92	
07 52 16 11-0021 Cold Adhesive Applied, SBS Modified Bitumen Roofing Flashing <small>(07 52 16 11-0001)</small>		
07 52 16 11-0022 SF 150 Mil, Smooth Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	4.18	
07 52 16 11-0023 SF 125 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	3.99	
<i>For Factory Applied White Reflective Surfacing, Add</i>	0.58	
07 52 16 11-0024 SF 140 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	4.01	
<i>For Factory Applied White Reflective Surfacing, Add</i>	0.58	
07 52 16 11-0025 SF 160 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	4.20	
<i>For Factory Applied White Reflective Surfacing, Add</i>	0.58	
07 52 16 11-0026 SF 170 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	4.43	
<i>For Factory Applied White Reflective Surfacing, Add</i>	0.58	
07 52 16 11-0027 SF 180 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	4.86	
<i>For Factory Applied White Reflective Surfacing, Add</i>	0.58	
07 52 16 11-0028 SF 125 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	4.02	
<i>For Factory Applied White Reflective Surfacing, Add</i>	0.58	
07 52 16 11-0029 SF 140 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	4.06	
<i>For Factory Applied White Reflective Surfacing, Add</i>	0.58	
07 52 16 11-0030 SF 160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	4.30	
<i>For Factory Applied White Reflective Surfacing, Add</i>	0.58	
07 52 16 11-0031 SF 170 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	4.40	
<i>For Factory Applied White Reflective Surfacing, Add</i>	0.58	
07 52 16 11-0032 SF 145 Mil, Aluminum Foil Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	5.24	
07 52 16 11-0033 SF 160 Mil, Copper Foil Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	8.26	
07 52 16 12 Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing <small>(07 52 16)</small>		
07 52 16 12-0001 Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing <small>(07 52 16 12)</small>		
Note: Includes fiberglass and/or polyester reinforcement. Includes mopping hot asphalt and embedding the membrane.		
07 52 16 12-0002 Hot-Mopped, SBS Modified Bitumen Roofing Base, Ply And Cap Sheets <small>(07 52 16 12-0001)</small>		
07 52 16 12-0003 SQ 50 Mil, SBS Modified Bitumen Base Sheet, Hot-Mopped	73.55	
<i>For Up To 10, Add</i>	12.10	
<i>For >10 To 25, Add</i>	9.29	
07 52 16 12-0004 SQ 80 Mil, SBS Modified Bitumen Base Sheet, Hot-Mopped	96.87	
<i>For Up To 10, Add</i>	13.26	
<i>For >10 To 25, Add</i>	10.46	
07 52 16 12-0005 SQ 90 Mil, SBS Modified Bitumen Base Sheet, Hot-Mopped	99.88	
<i>For Up To 10, Add</i>	13.42	
<i>For >10 To 25, Add</i>	10.61	
07 52 16 12-0006 SQ 120 Mil, SBS Modified Bitumen Base Or Ply Sheet, Hot-Mopped	137.09	
<i>For Up To 10, Add</i>	15.28	
<i>For >10 To 25, Add</i>	12.47	
07 52 16 12-0007 SQ 125 Mil, SBS Modified Bitumen Ply Sheet, Hot-Mopped	174.75	
<i>For Up To 10, Add</i>	17.16	
<i>For >10 To 25, Add</i>	14.35	
07 52 16 12-0008 SQ 140 Mil, Smooth Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	146.27	
<i>For Up To 10, Add</i>	16.54	
<i>For >10 To 25, Add</i>	13.46	
07 52 16 12-0009 SQ 150 Mil, Smooth Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	150.32	
<i>For Up To 10, Add</i>	16.74	
<i>For >10 To 25, Add</i>	13.66	
07 52 16 12-0010 SQ 125 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	131.36	
<i>For Up To 10, Add</i>	15.79	
<i>For >10 To 25, Add</i>	12.72	
<i>For Factory Applied White Reflective Surfacing, Add</i>	57.92	
07 52 16 12-0011 SQ 140 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	133.11	
<i>For Up To 10, Add</i>	15.88	
<i>For >10 To 25, Add</i>	12.80	
<i>For Factory Applied White Reflective Surfacing, Add</i>	57.92	
07 52 16 12-0012 SQ 150 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	149.25	
<i>For Up To 10, Add</i>	16.68	
<i>For >10 To 25, Add</i>	13.61	
<i>For Factory Applied White Reflective Surfacing, Add</i>	57.92	
07 52 16 12-0013 SQ 160 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	151.94	
<i>For Up To 10, Add</i>	16.82	
<i>For >10 To 25, Add</i>	13.75	
<i>For Factory Applied White Reflective Surfacing, Add</i>	57.92	
07 52 16 12-0014 SQ 170 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	175.47	
<i>For Up To 10, Add</i>	18.00	
<i>For >10 To 25, Add</i>	14.92	
<i>For Factory Applied White Reflective Surfacing, Add</i>	57.92	
07 52 16 12-0015 SQ 180 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	218.34	
<i>For Up To 10, Add</i>	20.14	
<i>For >10 To 25, Add</i>	17.07	
<i>For Factory Applied White Reflective Surfacing, Add</i>	57.92	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0016	SQ		125 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	134.28	
			<i>For Up To 10, Add</i>	15.94	
			<i>For >10 To 25, Add</i>	12.86	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	57.92	
07 52 16 12-0017	SQ		140 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	138.49	
			<i>For Up To 10, Add</i>	16.15	
			<i>For >10 To 25, Add</i>	13.07	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	57.92	
07 52 16 12-0018	SQ		150 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	161.35	
			<i>For Up To 10, Add</i>	17.29	
			<i>For >10 To 25, Add</i>	14.22	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	57.92	
07 52 16 12-0019	SQ		160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	161.89	
			<i>For Up To 10, Add</i>	17.32	
			<i>For >10 To 25, Add</i>	14.24	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	57.92	
07 52 16 12-0020	SQ		170 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	172.11	
			<i>For Up To 10, Add</i>	17.83	
			<i>For >10 To 25, Add</i>	14.75	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	57.92	
07 52 16 12-0021			Hot-Mopped, SBS Modified Bitumen Roofing Flashing (07 52 16 12-0001)		
07 52 16 12-0022	SF		150 Mil, Smooth Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	2.95	
07 52 16 12-0023	SF		125 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	2.76	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.58	
07 52 16 12-0024	SF		140 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	2.78	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.58	
07 52 16 12-0025	SF		150 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	2.94	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.58	
07 52 16 12-0026	SF		160 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	2.96	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.58	
07 52 16 12-0027	SF		170 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	3.20	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.58	
07 52 16 12-0028	SF		180 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	3.63	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.58	
07 52 16 12-0029	SF		125 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	2.79	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.58	
07 52 16 12-0030	SF		140 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	2.83	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.58	
07 52 16 12-0031	SF		160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	3.02	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.58	
07 52 16 12-0032	SF		170 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	3.17	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.58	
07 52 16 12-0033	SF		145 Mil, Aluminum Foil Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	4.00	
07 52 16 12-0034	SF		160 Mil, Copper Foil Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	7.03	
07 52 16 13			Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)		
07 52 16 13-0001			Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16 13)		
			Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.		
07 52 16 13-0002			Torch-Applied, SBS Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 16 13-0001)		
07 52 16 13-0003	SQ		120 Mil, SBS Modified Bitumen Base Or Ply Sheet, Torch-Applied	123.42	
			<i>For Up To 10, Add</i>	12.49	
			<i>For >10 To 25, Add</i>	10.38	
07 52 16 13-0004	SQ		150 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied	111.64	
			<i>For Up To 10, Add</i>	12.28	
			<i>For >10 To 25, Add</i>	10.05	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	57.92	
07 52 16 13-0005	SQ		160 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied	126.98	
			<i>For Up To 10, Add</i>	13.05	
			<i>For >10 To 25, Add</i>	10.81	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	57.92	
07 52 16 13-0006	SQ		180 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied	196.48	
			<i>For Up To 10, Add</i>	16.52	
			<i>For >10 To 25, Add</i>	14.29	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	57.92	
07 52 16 13-0007	SQ		150 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied	116.03	
			<i>For Up To 10, Add</i>	12.50	
			<i>For >10 To 25, Add</i>	10.27	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	57.92	
07 52 16 13-0008	SQ		160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied	134.10	
			<i>For Up To 10, Add</i>	13.40	
			<i>For >10 To 25, Add</i>	11.17	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	57.92	
07 52 16 13-0009	SQ		165 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied	139.84	
			<i>For Up To 10, Add</i>	13.69	
			<i>For >10 To 25, Add</i>	11.46	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	57.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 13-0010 SQ 180 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied.....	182.03	
<i>For Up To 10, Add</i>	15.80	
<i>For >10 To 25, Add</i>	13.57	
<i>For Factory Applied White Reflective Surfacing, Add</i>	57.92	
07 52 16 13-0011 Torch-Applied, SBS Modified Bitumen Roofing Flashing (07 52 16 13-0001)		
07 52 16 13-0012 SF 150 Mil, Smooth Surfaced, SBS Modified Bitumen Flashing, Torch-Applied.....	2.33	
07 52 16 13-0013 SF 150 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Torch-Applied.....	2.32	
<i>For Factory Applied White Reflective Surfacing, Add</i>	0.58	
07 52 16 13-0014 SF 180 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Torch-Applied.....	3.01	
<i>For Factory Applied White Reflective Surfacing, Add</i>	0.58	
07 52 16 13-0015 SF 160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Torch-Applied.....	2.40	
<i>For Factory Applied White Reflective Surfacing, Add</i>	0.58	
07 52 16 13-0016 SF 165 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Torch-Applied.....	2.44	
<i>For Factory Applied White Reflective Surfacing, Add</i>	0.58	
07 52 16 13-0017 SF 180 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Torch-Applied.....	2.87	
<i>For Factory Applied White Reflective Surfacing, Add</i>	0.58	
07 52 16 13-0018 SF 150 Mil, Aluminum Foil Surfaced, SBS Modified Bitumen Flashing, Torch-Applied.....	2.96	
07 52 16 13-0019 SF 160 Mil, Copper Foil Surfaced, SBS Modified Bitumen Flashing, Torch-Applied.....	6.41	
07 52 16 14 Mechanically Fastened Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)		
07 52 16 14-0001 Mechanically Fastened Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16 14)		
Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.		
07 52 16 14-0002 Mechanically Fastened, SBS Modified Bitumen Roofing Base And Ply Sheets (07 52 16 14-0001)		
07 52 16 14-0003 SQ 35 Mil, SBS Modified Bitumen Ply Sheet, Mechanically Fastened.....	85.40	
<i>For Up To 10, Add</i>	8.48	
<i>For >10 To 25, Add</i>	7.07	
07 52 16 14-0004 SQ 50 Mil, SBS Modified Bitumen Base Sheet, Mechanically Fastened	67.00	
<i>For Up To 10, Add</i>	7.56	
<i>For >10 To 25, Add</i>	6.15	
07 52 16 14-0005 SQ 80 Mil, SBS Modified Bitumen Base Sheet, Mechanically Fastened	85.12	
<i>For Up To 10, Add</i>	8.46	
<i>For >10 To 25, Add</i>	7.06	
07 52 16 14-0006 SQ 90 Mil, SBS Modified Bitumen Base Sheet, Mechanically Fastened	105.13	
<i>For Up To 10, Add</i>	9.46	
<i>For >10 To 25, Add</i>	8.06	
07 52 16 14-0007 SQ 120 Mil, SBS Modified Bitumen Base Or Ply Sheet, Mechanically Fastened	130.55	
<i>For Up To 10, Add</i>	10.73	
<i>For >10 To 25, Add</i>	9.33	
07 52 16 14-0008 Mechanically Fastened, SBS Modified Bitumen Roofing Flashing (07 52 16 14-0001)		
07 52 16 14-0009 SF 150 Mil, Smooth Surfaced, SBS Modified Bitumen Flashing, Mechanically Fastened.....	1.91	
07 52 16 14-0010 SF 160 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Mechanically Fastened	1.95	
07 52 16 15 Self-Adhering Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)		
07 52 16 15-0001 Self-Adhering Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16 15)		
Note: Includes fiberglass and/or polyester reinforcement. Includes removing the release film(s) from the membrane and applying the membrane.		
07 52 16 15-0002 Self-Adhering, SBS Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 16 15-0001)		
07 52 16 15-0003 SQ 60 Mil, SBS Modified Bitumen Base Sheet, Self-Adhering	70.71	
<i>For Up To 10, Add</i>	8.59	
<i>For >10 To 25, Add</i>	6.90	
07 52 16 15-0004 SQ 70 Mil, SBS Modified Bitumen Base Sheet, Self-Adhering	74.52	
<i>For Up To 10, Add</i>	8.78	
<i>For >10 To 25, Add</i>	7.09	
07 52 16 15-0005 SQ 120 Mil, SBS Modified Bitumen Base Sheet, Self-Adhering	121.63	
<i>For Up To 10, Add</i>	11.51	
<i>For >10 To 25, Add</i>	9.70	
07 52 16 15-0006 SQ 150 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Self-Adhering.....	143.98	
<i>For Up To 10, Add</i>	12.63	
<i>For >10 To 25, Add</i>	10.82	
<i>For Factory Applied White Reflective Surfacing, Add</i>	57.92	
07 52 16 15-0007 SQ 160 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Self-Adhering.....	209.88	
<i>For Up To 10, Add</i>	15.93	
<i>For >10 To 25, Add</i>	14.12	
<i>For Factory Applied White Reflective Surfacing, Add</i>	57.92	
07 52 16 15-0008 Self-Adhering, SBS Modified Bitumen Roofing Flashing (07 52 16 15-0001)		

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 15-0009	SF		70 Mil, SBS Modified Bitumen Flashing, Self-Adhering	2.31	
07 52 16 15-0010	SF		150 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Self-Adhering	2.53	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.58	
07 52 16 15-0011	SF		160 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Self-Adhering	3.19	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.58	

07 53 Elastomeric Membrane Roofing (07 50)

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

07 53 16 Chlorosulfonate-Polyethylene Roofing (07 53)**07 53 16 00-0001 Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membranes** (07 53 16)

Note: Includes hot air welding or adhesive bonding of seams.

07 53 16 00-0002	SQ		45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Fully Adhered	303.40	67.85
			Note: Includes adhesive.		
			<i>For Up To 10, Add</i>	55.60	
			<i>For >10 To 25, Add</i>	42.12	
			<i>For 15 Year Warranty, Add</i>	3.00	
07 53 16 00-0003	SQ		45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Ballasted	207.43	33.93
			Note: Includes ballast.		
			<i>For Up To 10, Add</i>	30.59	
			<i>For >10 To 25, Add</i>	23.85	
			<i>For 15 Year Warranty, Add</i>	3.00	
07 53 16 00-0004	SQ		45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Mechanically Fastened.....	232.66	50.88
			Note: Includes fasteners.		
			<i>For Up To 10, Add</i>	41.95	
			<i>For >10 To 25, Add</i>	31.85	
			<i>For 15 Year Warranty, Add</i>	3.00	

07 53 23 Ethylene-Propylene-Diene-Monomer Roofing (07 53)**07 53 23 00-0001 Ethylene Propylene Diene Monomer (EPDM) Roofing Membranes** (07 53 23)

Note: Includes splicing of seams using adhesive or seam tape. Black ethylene propylene diene monomer (EPDM).

07 53 23 00-0002	SQ		45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted	155.60	33.93
			Note: Includes ballast.		
			<i>For Up To 10, Add</i>	27.99	
			<i>For >10 To 25, Add</i>	21.26	
			<i>For 15 Year Warranty, Add</i>	3.00	
			<i>For Low Slope Fire Rated, Add</i>	4.65	
			<i>For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add</i>	11.49	
07 53 23 00-0003	SQ		60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted	173.42	36.04
			Note: Includes ballast.		
			<i>For Up To 10, Add</i>	30.15	
			<i>For >10 To 25, Add</i>	22.99	
			<i>For 15 Year Warranty, Add</i>	3.00	
			<i>For 20 Year Warranty, Add</i>	6.00	
			<i>For 25 Year Warranty, Add</i>	8.00	
			<i>For Low Slope Fire Rated, Add</i>	4.65	
			<i>For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add</i>	11.49	
07 53 23 00-0004	SQ		90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted	248.26	38.16
			Note: Includes ballast.		
			<i>For Up To 10, Add</i>	35.15	
			<i>For >10 To 25, Add</i>	27.57	
			<i>For 15 Year Warranty, Add</i>	3.00	
			<i>For 20 Year Warranty, Add</i>	6.00	
			<i>For 25 Year Warranty, Add</i>	8.00	
			<i>For Low Slope Fire Rated, Add</i>	4.65	
07 53 23 00-0005	SQ		45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%)	190.10	50.88
			Note: Includes adhesive and fasteners.		
			<i>For Up To 10, Add</i>	39.83	
			<i>For >10 To 25, Add</i>	29.72	
			<i>For 15 Year Warranty, Add</i>	3.00	
			<i>For Low Slope Fire Rated, Add</i>	4.65	
			<i>For Low VOC Adhesive, Add</i>	22.51	
			<i>For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add</i>	11.49	
			<i>For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add</i>	44.41	
			<i>For Integral Polyester Fleece-Backing, Add</i>	66.00	
07 53 23 00-0006	SQ		60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%)	207.92	53.01
			Note: Includes adhesive and fasteners.		
			<i>For Up To 10, Add</i>	41.98	
			<i>For >10 To 25, Add</i>	31.45	
			<i>For 15 Year Warranty, Add</i>	3.00	
			<i>For 20 Year Warranty, Add</i>	6.00	
			<i>For 25 Year Warranty, Add</i>	8.00	
			<i>For Low Slope Fire Rated, Add</i>	4.65	
			<i>For Low VOC Adhesive, Add</i>	22.51	
			<i>For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add</i>	11.49	
			<i>For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add</i>	44.41	
			<i>For Integral Polyester Fleece-Backing, Add</i>	72.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0007 SQ 90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%).....	282.76	55.12
Note: Includes adhesive and fasteners.		
For Up To 10, Add	46.99	
For >10 To 25, Add	36.04	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	
For Low Slope Fire Rated, Add	4.65	
For Low VOC Adhesive, Add	22.51	
For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	44.41	
For Integral Polyester Fleece-Backing, Add	80.27	
07 53 23 00-0008 SQ 45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....	251.53	67.85
Note: Includes adhesive and fasteners.		
For Up To 10, Add	53.00	
For >10 To 25, Add	39.53	
For 15 Year Warranty, Add	3.00	
For Low Slope Fire Rated, Add	4.65	
For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	11.49	
For Low VOC Adhesive, Add	56.27	
For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	44.41	
For Integral Polyester Fleece-Backing, Add	66.00	
07 53 23 00-0009 SQ 60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....	269.37	69.97
Note: Includes adhesive and fasteners.		
For Up To 10, Add	55.16	
For >10 To 25, Add	41.26	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	
For Low Slope Fire Rated, Add	4.65	
For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	11.49	
For Low VOC Adhesive, Add	56.27	
For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	44.41	
For Integral Polyester Fleece-Backing, Add	72.82	
07 53 23 00-0010 SQ 90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....	344.21	72.09
Note: Includes adhesive and fasteners.		
For Up To 10, Add	60.16	
For >10 To 25, Add	45.85	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	
For Low Slope Fire Rated, Add	4.65	
For Low VOC Adhesive, Add	56.27	
For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	44.41	
For Integral Polyester Fleece-Backing, Add	80.27	
07 53 23 00-0011 SQ 45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened.....	180.70	50.88
Note: Includes fasteners.		
For Up To 10, Add	39.36	
For >10 To 25, Add	29.25	
For 15 Year Warranty, Add	3.00	
For Low Slope Fire Rated, Add	4.65	
For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	11.49	
For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	44.41	
07 53 23 00-0012 SQ 60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened.....	198.52	53.01
Note: Includes fasteners.		
For Up To 10, Add	41.51	
For >10 To 25, Add	30.98	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	
For Low Slope Fire Rated, Add	4.65	
For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	11.49	
For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	44.41	
07 53 23 00-0013 SQ 90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened.....	273.36	55.12
Note: Includes fasteners.		
For Up To 10, Add	46.52	
For >10 To 25, Add	35.57	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	
For Low Slope Fire Rated, Add	4.65	
For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	44.41	
07 53 23 00-0014 Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane		
Accessories <small>(07 53 23)</small>		
07 53 23 00-0015 SQ Acrylic, Ethylene Propylene Diene Monomer (EPDM) Roofing Primer, Price Per Coat.....	44.19	
For Up To 10, Add	7.26	
For >10 To 25, Add	5.58	
07 53 23 00-0016 SQ Acrylic Elastomeric, Surface Or Base Coating For Ethylene Propylene Diene Monomer (EPDM) Roofing, Price		
Per Coat	45.55	
Note: 55% solids by volume.		
For Up To 10, Add	7.33	
For >10 To 25, Add	5.65	
07 53 23 00-0017 EA Up To 4" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....	29.33	8.06
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 53 Elastomeric Membrane Roofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0018 EA >4" To 8" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....	40.08	8.06
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0019 EA >8" To 13" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....	71.08	8.06
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0020 EA 6" Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Penetration Pocket.....	93.27	8.90
Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		
07 53 23 00-0021 LF 30" Wide, Ethylene Propylene Diene Monomer (EPDM) Walkway Protection Pad.....	22.08	4.91
Note: Includes factory installed peel and stick adhesive tape.		
07 53 23 00-0022 SF Ethylene Propylene Diene Monomer (EPDM) Membrane Base Flashing.....	4.36	1.27
07 53 23 00-0023 SF Ethylene Propylene Diene Monomer (EPDM) Membrane Curb Flashing.....	5.62	1.91

07 53 29 Polyisobutylene Roofing (07 53)**07 53 29 00-0001 Polyisobutylene (PIB) Roofing Membranes (07 53 29)**

Note: Includes integral polyester fleece-backing. Includes splicing of seams using adhesive or seam tape.

07 53 29 00-0002 SQ 100 Mil, Single Ply PIB Roofing Membrane, Ballasted.....	308.20	38.16
Note: Includes ballast.		
For Up To 10, Add	38.15	
For >10 To 25, Add	30.57	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	
07 53 29 00-0003 SQ 100 Mil, Single Ply PIB Roofing Membrane, Partially Adhered (40%).....	351.08	55.12
Note: Includes adhesive.		
For Up To 10, Add	50.40	
For >10 To 25, Add	39.45	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	
07 53 29 00-0004 SQ 100 Mil, Single Ply PIB Roofing Membrane, Fully Adhered.....	425.11	72.09
Note: Includes adhesive.		
For Up To 10, Add	64.21	
For >10 To 25, Add	49.89	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	

07 54 Thermoplastic Membrane Roofing (07 50)

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

07 54 19 Polyvinyl-Chloride Roofing (07 54)**07 54 19 00-0001 Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes (07 54 19)**

Note: Includes polyester fabric reinforcement and hot air welding of seams. RPVC membranes meet or exceed all of the requirements of ASTM D4434 Type III.

07 54 19 00-0002 SQ 48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted.....	190.14	33.93
Note: Includes ballast.		
For Up To 10, Add	29.72	
For >10 To 25, Add	22.98	
For 15 Year Warranty, Add	3.00	
For Colors, Add	26.00	
For Integral Polyester Fleece-Backing, Add	41.16	
07 54 19 00-0003 SQ 60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted.....	215.91	36.04
Note: Includes ballast.		
For Up To 10, Add	32.27	
For >10 To 25, Add	25.11	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	
For Colors, Add	26.00	
For Integral Polyester Fleece-Backing, Add	41.16	
07 54 19 00-0004 SQ 72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted.....	245.53	37.11
Note: Includes ballast.		
For Up To 10, Add	34.38	
For >10 To 25, Add	27.01	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	
For Colors, Add	26.00	
For Integral Polyester Fleece-Backing, Add	41.16	
07 54 19 00-0005 SQ 80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted.....	259.61	38.16
Note: Includes ballast.		
For Up To 10, Add	35.72	
For >10 To 25, Add	28.14	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	
For Colors, Add	26.00	
For Integral Polyester Fleece-Backing, Add	41.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0006 SQ 48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered.....	268.70	67.85
Note: Includes adhesive.		
For Up To 10, Add	53.86	
For >10 To 25, Add	40.39	
For 15 Year Warranty, Add	3.00	
For Colors, Add	26.00	
For Low VOC Adhesive, Add	33.99	
For Integral Polyester Fleece-Backing, Add	41.16	
07 54 19 00-0007 SQ 60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered.....	294.48	69.97
Note: Includes adhesive.		
For Up To 10, Add	56.42	
For >10 To 25, Add	42.52	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	
For Colors, Add	26.00	
For Low VOC Adhesive, Add	33.99	
For Integral Polyester Fleece-Backing, Add	41.16	
07 54 19 00-0008 SQ 72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered.....	324.11	71.03
Note: Includes adhesive.		
For Up To 10, Add	58.53	
For >10 To 25, Add	44.42	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	
For Colors, Add	26.00	
For Low VOC Adhesive, Add	33.99	
For Integral Polyester Fleece-Backing, Add	41.16	
07 54 19 00-0009 SQ 80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered.....	338.19	72.09
Note: Includes adhesive.		
For Up To 10, Add	59.86	
For >10 To 25, Add	45.55	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	
For Colors, Add	26.00	
For Low VOC Adhesive, Add	33.99	
For Integral Polyester Fleece-Backing, Add	41.16	
07 54 19 00-0010 SQ 48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened.....	210.83	50.88
Note: Includes fasteners.		
For Up To 10, Add	40.86	
For >10 To 25, Add	30.76	
For 15 Year Warranty, Add	3.00	
For Colors, Add	26.00	
For Integral Polyester Fleece-Backing, Add	41.16	
07 54 19 00-0011 SQ 60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened.....	236.60	53.01
Note: Includes fasteners.		
For Up To 10, Add	43.41	
For >10 To 25, Add	32.89	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	
For Colors, Add	26.00	
For Integral Polyester Fleece-Backing, Add	41.16	
07 54 19 00-0012 SQ 72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened.....	266.22	54.07
Note: Includes fasteners.		
For Up To 10, Add	45.53	
For >10 To 25, Add	34.79	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	
For Colors, Add	26.00	
For Integral Polyester Fleece-Backing, Add	41.16	
07 54 19 00-0013 SQ 80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened.....	280.31	55.12
Note: Includes fasteners.		
For Up To 10, Add	46.86	
For >10 To 25, Add	35.91	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	
For Colors, Add	26.00	
For Integral Polyester Fleece-Backing, Add	41.16	
07 54 19 00-0014 Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane Accessories (07 54 19)		
07 54 19 00-0015 SQ Acrylic, Polyvinyl Chloride (PVC) Roofing Cleaner/Primer, Price Per Coat.....	44.19	
For Up To 10, Add	7.26	
For >10 To 25, Add	5.58	
07 54 19 00-0016 SQ Acrylic Elastomeric, Surface Or Base Coating For Polyvinyl Chloride (PVC) Roofing, Price Per Coat.....	45.55	
Note: 55% solids by volume.		
For Up To 10, Add	7.33	
For >10 To 25, Add	5.65	
07 54 19 00-0017 EA Up To 3" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot.....	45.23	7.21
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0018 EA >3" To 7" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot.....	62.36	8.06
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 54 Thermoplastic Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0019	EA		>7" To 12" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot.....	78.99	8.90
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0020	EA		6" Diameter, Prefabricated Polyvinyl Chloride (PVC) Penetration Pocket	99.16	8.90
			Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		
07 54 19 00-0021	LF		36" Wide, Polyvinyl Chloride (PVC) Walkway Protection Pad.....	19.31	4.91
07 54 19 00-0022	SF		Polyvinyl Chloride (PVC) Membrane Base Flashing.....	5.06	1.27
07 54 19 00-0023	SF		Polyvinyl Chloride (PVC) Membrane Curb Flashing	6.32	1.91
07 54 19 00-0024	SF		Polyvinyl Chloride (PVC) Clad Edge Metal Or Base Flashing.....	6.62	1.27
			Note: 20 Mil polyvinyl chloride (PVC) membrane laminated to 24 gauge galvanized steel.		

07 54 23 Thermoplastic-Polyolefin Roofing (07 54)**07 54 23 00-0001 Thermoplastic Polyolefin (TPO) Roofing Membranes (07 54 23)**

07 54 23 00-0002	SQ		45 Mil, Single Ply TPO Roofing Membrane, Fully Adhered.....	244.22	67.85
			Note: Includes adhesive.		
			For Up To 10, Add	52.64	
			For >10 To 25, Add	39.16	
			For 15 Year Warranty, Add	3.00	
			For Low VOC Adhesive, Add	56.27	
			For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0003	SQ		60 Mil, Single Ply TPO Roofing Membrane, Fully Adhered.....	259.18	69.97
			Note: Includes adhesive.		
			For Up To 10, Add	54.65	
			For >10 To 25, Add	40.75	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Low VOC Adhesive, Add	56.27	
			For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0004	SQ		80 Mil, Single Ply TPO Roofing Membrane, Fully Adhered.....	318.48	72.09
			Note: Includes adhesive.		
			For Up To 10, Add	58.88	
			For >10 To 25, Add	44.56	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Low VOC Adhesive, Add	56.27	
			For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0005	SQ		45 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened	168.97	50.88
			Note: Includes fasteners.		
			For Up To 10, Add	38.77	
			For >10 To 25, Add	28.66	
			For 15 Year Warranty, Add	3.00	
			For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0006	SQ		60 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened	183.93	53.01
			Note: Includes fasteners.		
			For Up To 10, Add	40.78	
			For >10 To 25, Add	30.25	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0007	SQ		80 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened	243.23	55.12
			Note: Includes fasteners.		
			For Up To 10, Add	45.01	
			For >10 To 25, Add	34.06	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Integral Polyester Fleece-Backing, Add	33.25	

07 54 23 00-0008 Thermoplastic Polyolefin (TPO) Roofing Membrane Accessories (07 54 23)

07 54 23 00-0009	SQ		Acrylic, TPO Roofing Primer, Price Per Coat.....	51.67	
			For Up To 10, Add	7.64	
			For >10 To 25, Add	5.95	
07 54 23 00-0010	SQ		Acrylic Elastomeric, Surface Or Base Coating For TPO Roofing, Price Per Coat.....	45.55	
			Note: 55% solids by volume.		
			For Up To 10, Add	7.33	
			For >10 To 25, Add	5.65	
			For Tan Or Gray Color, Add	1.43	
07 54 23 00-0011	EA		Up To 3" Pipe Diameter, Prefabricated TPO Pipe Cone/Boot.....	39.51	7.21
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 23 00-0012	EA		>3" To 8" Pipe Diameter, Prefabricated TPO Pipe Cone/Boot.....	42.80	8.06
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 23 00-0013	EA		6" Diameter, Prefabricated TPO Penetration Pocket	75.35	8.90
			Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		
07 54 23 00-0014	LF		30" Wide, TPO Walkway Protection Pad	19.11	4.91
07 54 23 00-0015	SF		TPO Membrane Base Flashing.....	5.26	1.27
07 54 23 00-0016	SF		TPO Curb Flashing	4.97	1.27
			For Tan Or Gray Color, Add	0.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 23 00-0017 SF TPO Clad Edge Metal Or Base Flashing Note: 20 Mil TPO membrane laminated to 24 gauge galvanized steel.	7.41	1.27
07 56 Fluid-Applied Roofing (07 50)		
07 56 00 00-0001 Neoprene Hypalon Liquid Roofing, 5 Coats (07 56)		
07 56 00 00-0002 SQ 60 Mil 5 Coat Spray-on Neoprene Hypalon Liquid Roofing For Each Additional Coat, Add	858.02 128.70	112.75
07 56 00 00-0003 Vinyl Spray Liquid Roofing (07 56)		
07 56 00 00-0004 SQ 2 Mil Vinyl Liquid Roofing.....	791.29	118.82
07 56 00 00-0005 SQ 4 Mil Vinyl Liquid Roofing.....	885.21	132.69
07 56 00 00-0006 Silicone Elastomeric Liquid Roofing (07 56)		
07 56 00 00-0007 SQ 65% Solids, Silicone Elastomeric Spray-on Roofing, 3 Coats, 16 Mil Per Coat.....	272.49	68.08
07 56 00 00-0008 SQ 65% Solids, Silicone Elastomeric Rolled-on Roofing, 3 Coats, 16 Mil Per Coat.....	338.47	68.08
07 56 00 00-0009 SQ 65% Solids, Silicone Elastomeric Brushed-on Roofing, 3 Coats, 16 Mil Per Coat.....	388.11	68.08
07 56 00 00-0010 Rubberized Acrylic Roof Coating, Sprayed On (07 56)		
Note: As manufactured by Tru-Co, Inc.		
07 56 00 00-0011 Rubberized Acrylic Roof Coating, Sprayed On Assemblies (07 56 00 00-0010)		
07 56 00 00-0012 SQ Elastomeric Installation Over Urethane Foam.....	642.29	
07 56 00 00-0013 SQ Elastomeric Installation Over Decks.....	659.60	
07 56 00 00-0014 SQ Elastomeric Installation Over Exterior, Waterproofing.....	270.37	
07 56 00 00-0015 SQ Installation Over Existing Tar (Asphalt) And Gravel Roof.....	829.72	
07 56 00 00-0016 SQ Installation Over New Construction, Waterproofing.....	474.11	
07 56 00 00-0017 SQ Installation Over Mobile Home.....	310.92	
07 56 00 00-0018 SQ Installation Over Corrugated Metal Roofs.....	366.77	
07 56 00 00-0019 SQ Installation Over Granulate Mineral Surface, BUR Cap Sheet (Semi-Smooth) Surface.....	698.13	
07 56 00 00-0020 SQ 4" Acrylic Gel With Fabric (Apply At Edges).....	2.42	
07 56 00 00-0021 SQ 6" Acrylic Gel With Fabric (Apply At Edges).....	3.41	
07 56 00 00-0022 Polyurethane Roof Coating, Sprayed On Assemblies (07 56)		
Note: Includes powerwash, primer, base coat, polyester reinforcement, top coat and finish coat.		
07 56 00 00-0023 SF Up To 50 SF White (High-Albedo) Polyurethane Coating.....	9.81	
07 56 00 00-0024 SF >50 To 100 SF White (High-Albedo) Polyurethane Coating.....	9.45	
07 56 00 00-0025 SF >100 To 500 SF White (High-Albedo) Polyurethane Coating.....	9.09	
07 56 00 00-0026 SEA >500 To 1,000 SF White (High-Albedo) Polyurethane Coating.....	8.64	
07 56 00 00-0027 Elastomeric Asphalt/Urethane Liquid Roofing Membrane (07 56)		
07 56 00 00-0028 SQ 90 Mil, Elastomeric Asphalt/Urethane Liquid Roofing Membrane..... Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 60 mil second coat.	882.24	68.08
07 56 00 00-0029 Urethane Liquid Roofing Membrane (07 56)		
Note: Garland White Knight Energy Star single component urethane restoration system. 10 year warranty. Used for restoration of membrane, built up, metal and modified roofing systems.		
07 56 00 00-0030 SQ Ulti-Mat™ 38" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems.....	55.66	
07 56 00 00-0031 LF Ulti-Mat™ 6" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems.....	3.87	
07 56 00 00-0032 SQ White-Knight® Premium Multi-Purpose Urethane Restoration Reflective Coating For Metal, Membrane, BUR, Single-Ply (2 GAL/SQ).....	211.30	
07 56 00 00-0033 SQ White-Knight® Metal Primer One Component Metal Primer For Placement Under The White-Knight System.....	56.17	
07 56 00 00-0034 SQ White-Knight® Plus High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply.....	513.89	
07 56 00 00-0035 SQ White-Knight® Plus Base Coat High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply.....	772.32	
07 56 00 00-0036 SQ White-Knight® Plus WC High Strength, Multi-Purpose, VOC Compliant, Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply.....	531.47	
07 56 00 00-0037 SQ White-Star Premium, White Polyurea Restoration Adhesive For Mineral And Smooth Modified And BUR (2 GAL/SQ).....	140.85	
07 57 Coated Foamed Roofing (07 50)		
07 57 13 Sprayed Polyurethane Foam Roofing (07 57)		
Note: Includes power washing. Excludes ballast removal and priming metal surfaces. Excludes walkways.		
07 57 13 00-0001 Sprayed Polyurethane Foam Roofing Systems (07 57 13)		
07 57 13 00-0002 Sprayed Polyurethane Foam Roofing Systems With Acrylic Elastomeric Coating (07 57 13 00-0001)		

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 57 Coated Foamed Roofing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0003			Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating <small>(07 57 13 00-0002)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 5 year warranty.		
07 57 13 00-0004	SQ		1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	271.89	41.31
07 57 13 00-0005	SQ		1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	325.72	44.26
07 57 13 00-0006	SQ		2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	379.56	47.21
07 57 13 00-0007	SQ		3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	497.88	53.11
07 57 13 00-0008	SQ		4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	594.90	59.02
07 57 13 00-0009	SQ		5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	702.56	64.92
07 57 13 00-0010	SQ		6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	810.22	70.82
07 57 13 00-0011			Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating <small>(07 57 13 00-0002)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 10 year warranty.		
07 57 13 00-0012	SQ		1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	280.18	41.31
07 57 13 00-0013	SQ		1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	334.01	44.26
07 57 13 00-0014	SQ		2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	387.85	47.21
07 57 13 00-0015	SQ		3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	495.51	53.11
07 57 13 00-0016	SQ		4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	603.18	59.02
07 57 13 00-0017	SQ		5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	710.84	64.92
07 57 13 00-0018	SQ		6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	818.50	70.82
07 57 13 00-0019			Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating <small>(07 57 13 00-0002)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 15 year warranty.		
07 57 13 00-0020	SQ		1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	300.30	41.31
07 57 13 00-0021	SQ		1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	352.36	44.26
07 57 13 00-0022	SQ		2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	404.42	47.21
07 57 13 00-0023	SQ		3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	512.08	53.11
07 57 13 00-0024	SQ		4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	664.02	59.02
07 57 13 00-0025	SQ		5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	780.68	64.92
07 57 13 00-0026	SQ		6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	897.34	70.82
07 57 13 00-0027			Sprayed Polyurethane Foam Roofing Systems With Silicone Elastomeric Coating <small>(07 57 13 00-0001)</small>		
07 57 13 00-0028			Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating <small>(07 57 13 00-0027)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 5 year warranty.		
07 57 13 00-0029	SQ		1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	306.22	41.31
07 57 13 00-0030	SQ		1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	364.55	44.26
07 57 13 00-0031	SQ		2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	422.89	47.21
07 57 13 00-0032	SQ		3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	539.54	53.11
07 57 13 00-0033	SQ		4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	656.21	59.02
07 57 13 00-0034	SQ		5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	772.87	64.92
07 57 13 00-0035	SQ		6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	889.53	70.82



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	07 57 13 00-0036			Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating <small>(07 57 13 00-0027)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 10 year warranty.		
	07 57 13 00-0037	SQ		1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	317.94	41.31
	07 57 13 00-0038	SQ		1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	376.27	44.26
	07 57 13 00-0039	SQ		2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	434.61	47.21
	07 57 13 00-0040	SQ		3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	551.26	53.11
	07 57 13 00-0041	SQ		4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	667.93	59.02
	07 57 13 00-0042	SQ		5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	784.59	64.92
	07 57 13 00-0043	SQ		6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	901.25	70.82
	07 57 13 00-0044			Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating <small>(07 57 13 00-0027)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 15 year warranty.		
	07 57 13 00-0045	SQ		1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	327.05	41.31
	07 57 13 00-0046	SQ		1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	385.38	44.26
	07 57 13 00-0047	SQ		2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	443.72	47.21
	07 57 13 00-0048	SQ		3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	560.38	53.11
	07 57 13 00-0049	SQ		4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	677.04	59.02
	07 57 13 00-0050	SQ		5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	793.70	64.92
	07 57 13 00-0051	SQ		6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	910.36	70.82
	07 58			Roll Roofing <small>(07 50)</small>		
	07 58 00 00-0001			Prepared Roll Roofing <small>(07 58)</small> Note: Fastened with roofing nails and roofing cement. Includes fasteners and adhesive. Excludes warranty. See CSI section 07 51 13 00-0033 for underlayment.		
	07 58 00 00-0002	SQ		Granule Surfaced, 90 LB, Asphalt Saturated Organic Felt Roll Roofing.....	138.54	26.56
	07 59			Membrane Roofing Termination Bar <small>(07 50)</small>		
	07 59 00 00-0001			Membrane Roofing Termination Bar <small>(07 59)</small>		
	07 59 00 00-0002	LF		Membrane Roofing Termination Bar..... Note: Includes fasteners and caulking.	3.45	1.21
	07 60			Flashing And Sheet Metal <small>(07)</small> Note: Includes placement of materials on roof up to 2-1/2 stories.		
	07 61			Sheet Metal Roofing <small>(07 60)</small>		
	07 61 13			Standing Seam Sheet Metal Roofing <small>(07 61)</small>		
	07 61 13 00-0001			Standing Seam Concealed Fastener Roofing <small>(07 61 13)</small>		
	07 61 13 00-0002			Copper Standing Seam Concealed Fastener Roofing <small>(07 61 13 00-0001)</small>		
	07 61 13 00-0003	SF		Architectural 16 Ounce Copper Standing Seam Concealed Fastener Roofing..... For Steep Roof, Over 6 To 12, Add For Panels <16" Wide, Add For 140 MPH Wind Load, Add For Up To 1,500, Add For >1,500 To 5,000, Add For >5,000 To 10,000, Add	15.54 1.66 1.80 0.75 3.89 2.33 0.39	2.77
	07 61 13 00-0004	SF		Architectural 18 Ounce Copper Standing Seam Concealed Fastener Roofing..... For Steep Roof, Over 6 To 12, Add For Panels <16" Wide, Add For 140 MPH Wind Load, Add For Up To 1,500, Add For >1,500 To 5,000, Add For >5,000 To 10,000, Add	16.98 1.80 1.96 0.82 4.25 2.55 0.42	3.01

07 Thermal And Moisture Protection**07 60 Flashing And Sheet Metal****07 61 Sheet Metal Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 13 00-0005	SF		Architectural 20 Ounce Copper Standing Seam Concealed Fastener Roofing.....	19.72	3.27
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.97	
			<i>For Panels <16" Wide, Add</i>	2.20	
			<i>For 140 MPH Wind Load, Add</i>	0.92	
			<i>For Up To 1,500, Add</i>	4.93	
			<i>For >1,500 To 5,000, Add</i>	2.96	
			<i>For >5,000 To 10,000, Add</i>	0.49	
07 61 13 00-0006			Zinc/Copper Standing Seam Concealed Fastener Roofing (07 61 13 00-0001)		
07 61 13 00-0007	SF		0.020" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	17.90	3.01
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.80	
			<i>For Panels <16" Wide, Add</i>	2.01	
			<i>For 140 MPH Wind Load, Add</i>	0.84	
			<i>For Up To 1,500, Add</i>	4.48	
			<i>For >1,500 To 5,000, Add</i>	2.69	
			<i>For >5,000 To 10,000, Add</i>	0.45	
			<i>For Tin/Copper, Deduct</i>	-0.24	
07 61 13 00-0008	SF		0.027" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	21.14	3.13
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.88	
			<i>For Panels <16" Wide, Add</i>	2.22	
			<i>For 140 MPH Wind Load, Add</i>	0.92	
			<i>For Up To 1,500, Add</i>	5.29	
			<i>For >1,500 To 5,000, Add</i>	3.17	
			<i>For >5,000 To 10,000, Add</i>	0.53	
			<i>For Tin/Copper, Deduct</i>	-0.30	
07 61 13 00-0009	SF		0.032" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	23.72	3.27
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.97	
			<i>For Panels <16" Wide, Add</i>	2.40	
			<i>For 140 MPH Wind Load, Add</i>	1.00	
			<i>For Up To 1,500, Add</i>	5.93	
			<i>For >1,500 To 5,000, Add</i>	3.56	
			<i>For >5,000 To 10,000, Add</i>	0.59	
			<i>For Tin/Copper, Deduct</i>	-0.34	
07 61 13 00-0010	SF		0.040" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	29.01	3.44
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.06	
			<i>For Panels <16" Wide, Add</i>	2.72	
			<i>For 140 MPH Wind Load, Add</i>	1.13	
			<i>For Up To 1,500, Add</i>	7.25	
			<i>For >1,500 To 5,000, Add</i>	4.35	
			<i>For >5,000 To 10,000, Add</i>	0.73	
			<i>For Tin/Copper, Deduct</i>	-0.44	
07 61 13 00-0011			Accessories For Copper Standing Seam Concealed Fastener Roofing (07 61 13 00-0001)		
07 61 13 00-0012	LF		Ridge Flashing For Copper Standing Seam Concealed Fastener Roofing.....	60.37	5.72
			<i>For Steep Roof, Over 6 To 12, Add</i>	4.29	
			<i>For 140 MPH Wind Load, Add</i>	2.35	
07 61 13 00-0013	LF		Eave Flashing For Copper Standing Seam Concealed Fastener Roofing.....	38.06	5.72
			<i>For Steep Roof, Over 6 To 12, Add</i>	4.29	
			<i>For 140 MPH Wind Load, Add</i>	1.91	
07 61 13 00-0014	LF		Valley Flashing For Copper Standing Seam Concealed Fastener Roofing.....	81.45	5.72
			<i>For Steep Roof, Over 6 To 12, Add</i>	4.29	
			<i>For 140 MPH Wind Load, Add</i>	2.77	
07 61 13 00-0015	LF		Hip Flashing For Copper Standing Seam Concealed Fastener Roofing.....	62.03	5.72
			<i>For Steep Roof, Over 6 To 12, Add</i>	4.29	
			<i>For 140 MPH Wind Load, Add</i>	2.39	
07 61 16 Batten Seam Sheet Metal Roofing (07 61)					
07 61 16 00-0001			Copper Batten Seam Concealed Fastener Roofing (07 61 16)		
07 61 16 00-0002			Copper Batten Seam Concealed Fastener Roofing (07 61 16 00-0001)		
07 61 16 00-0003	SF		16 Ounce Copper Batten Seam Concealed Fastener Roofing.....	18.99	3.27
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.97	
			<i>For Panels <16" Wide, Add</i>	2.16	
			<i>For 140 MPH Wind Load, Add</i>	0.90	
			<i>For Up To 1,500, Add</i>	4.75	
			<i>For >1,500 To 5,000, Add</i>	2.85	
			<i>For >5,000 To 10,000, Add</i>	0.47	
07 61 16 00-0004	SF		18 Ounce Copper Batten Seam Concealed Fastener Roofing.....	20.78	3.44
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.06	
			<i>For Panels <16" Wide, Add</i>	2.31	
			<i>For 140 MPH Wind Load, Add</i>	0.97	
			<i>For Up To 1,500, Add</i>	5.20	
			<i>For >1,500 To 5,000, Add</i>	3.12	
			<i>For >5,000 To 10,000, Add</i>	0.52	
07 61 16 00-0005	SF		20 Ounce Copper Batten Seam Concealed Fastener Roofing.....	23.79	3.61
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.16	
			<i>For Panels <16" Wide, Add</i>	2.52	
			<i>For 140 MPH Wind Load, Add</i>	1.05	
			<i>For Up To 1,500, Add</i>	5.95	
			<i>For >1,500 To 5,000, Add</i>	3.57	
			<i>For >5,000 To 10,000, Add</i>	0.59	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 16 00-0006 Zinc/Copper Batten Seam Concealed Fastener Roofing <small>(07 61 16 00-0001)</small>		
07 61 16 00-0007 SF 0.020" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	18.93	3.01
<i>For Steep Roof, Over 6 To 12, Add</i>	1.80	
<i>For Panels <16" Wide, Add</i>	2.06	
<i>For 140 MPH Wind Load, Add</i>	0.86	
<i>For Up To 1,500, Add</i>	4.73	
<i>For >1,500 To 5,000, Add</i>	2.84	
<i>For >5,000 To 10,000, Add</i>	0.47	
<i>For Tin/Copper, Deduct</i>	-0.26	
07 61 16 00-0008 SF 0.027" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	22.61	3.13
<i>For Steep Roof, Over 6 To 12, Add</i>	1.88	
<i>For Panels <16" Wide, Add</i>	2.29	
<i>For 140 MPH Wind Load, Add</i>	0.95	
<i>For Up To 1,500, Add</i>	5.65	
<i>For >1,500 To 5,000, Add</i>	3.39	
<i>For >5,000 To 10,000, Add</i>	0.57	
<i>For Tin/Copper, Deduct</i>	-0.33	
07 61 16 00-0009 SF 0.032" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	25.09	3.27
<i>For Steep Roof, Over 6 To 12, Add</i>	1.97	
<i>For Panels <16" Wide, Add</i>	2.47	
<i>For 140 MPH Wind Load, Add</i>	1.03	
<i>For Up To 1,500, Add</i>	6.27	
<i>For >1,500 To 5,000, Add</i>	3.76	
<i>For >5,000 To 10,000, Add</i>	0.63	
<i>For Tin/Copper, Deduct</i>	-0.37	
07 61 16 00-0010 SF 0.040" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	30.76	3.44
<i>For Steep Roof, Over 6 To 12, Add</i>	2.06	
<i>For Panels <16" Wide, Add</i>	2.81	
<i>For 140 MPH Wind Load, Add</i>	1.16	
<i>For Up To 1,500, Add</i>	7.69	
<i>For >1,500 To 5,000, Add</i>	4.61	
<i>For >5,000 To 10,000, Add</i>	0.77	
<i>For Tin/Copper, Deduct</i>	-0.48	
07 61 19 Flat Seam Sheet Metal Roofing <small>(07 61)</small>		
07 61 19 00-0001 Copper Flat Seam Concealed Fastener Roofing <small>(07 61 19)</small>		
07 61 19 00-0002 Copper Flat Seam Concealed Fastener Roofing <small>(07 61 19 00-0001)</small>		
07 61 19 00-0003 SF 16 Ounce Copper Flat Seam Concealed Fastener Roofing.....	15.17	3.01
<i>For Steep Roof, Over 6 To 12, Add</i>	1.80	
<i>For Panels <16" Wide, Add</i>	1.87	
<i>For 140 MPH Wind Load, Add</i>	0.78	
<i>For Up To 1,500, Add</i>	3.79	
<i>For >1,500 To 5,000, Add</i>	2.28	
<i>For >5,000 To 10,000, Add</i>	0.38	
07 61 19 00-0004 SF 18 Ounce Copper Flat Seam Concealed Fastener Roofing.....	16.51	3.13
<i>For Steep Roof, Over 6 To 12, Add</i>	1.88	
<i>For Panels <16" Wide, Add</i>	1.99	
<i>For 140 MPH Wind Load, Add</i>	0.83	
<i>For Up To 1,500, Add</i>	4.13	
<i>For >1,500 To 5,000, Add</i>	2.48	
<i>For >5,000 To 10,000, Add</i>	0.41	
07 61 19 00-0005 SF 20 Ounce Copper Flat Seam Concealed Fastener Roofing.....	18.75	3.27
<i>For Steep Roof, Over 6 To 12, Add</i>	1.97	
<i>For Panels <16" Wide, Add</i>	2.15	
<i>For 140 MPH Wind Load, Add</i>	0.90	
<i>For Up To 1,500, Add</i>	4.69	
<i>For >1,500 To 5,000, Add</i>	2.81	
<i>For >5,000 To 10,000, Add</i>	0.47	
07 61 19 00-0006 Zinc/Copper Flat Seam Concealed Fastener Roofing <small>(07 61 19 00-0001)</small>		
07 61 19 00-0007 SF 0.020" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	16.98	3.01
<i>For Steep Roof, Over 6 To 12, Add</i>	1.80	
<i>For Panels <16" Wide, Add</i>	1.96	
<i>For 140 MPH Wind Load, Add</i>	0.82	
<i>For Up To 1,500, Add</i>	4.25	
<i>For >1,500 To 5,000, Add</i>	2.55	
<i>For >5,000 To 10,000, Add</i>	0.42	
<i>For Tin/Copper, Deduct</i>	-0.22	
07 61 19 00-0008 SF 0.027" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	20.17	3.13
<i>For Steep Roof, Over 6 To 12, Add</i>	1.88	
<i>For Panels <16" Wide, Add</i>	2.17	
<i>For 140 MPH Wind Load, Add</i>	0.91	
<i>For Up To 1,500, Add</i>	5.04	
<i>For >1,500 To 5,000, Add</i>	3.03	
<i>For >5,000 To 10,000, Add</i>	0.50	
<i>For Tin/Copper, Deduct</i>	-0.28	

07 Thermal And Moisture Protection**07 60 Flashing And Sheet Metal****07 61 Sheet Metal Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 19 00-0009	SF		0.032" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	22.40	3.27
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.97	
			<i>For Panels <16" Wide, Add</i>	2.33	
			<i>For 140 MPH Wind Load, Add</i>	0.97	
			<i>For Up To 1,500, Add</i>	5.60	
			<i>For >1,500 To 5,000, Add</i>	3.36	
			<i>For >5,000 To 10,000, Add</i>	0.56	
			<i>For Tin/Copper, Deduct</i>	-0.32	
07 61 19 00-0010	SF		0.040" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	27.35	3.44
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.06	
			<i>For Panels <16" Wide, Add</i>	2.64	
			<i>For 140 MPH Wind Load, Add</i>	1.10	
			<i>For Up To 1,500, Add</i>	6.84	
			<i>For >1,500 To 5,000, Add</i>	4.10	
			<i>For >5,000 To 10,000, Add</i>	0.68	
			<i>For Tin/Copper, Deduct</i>	-0.41	
07 62 Sheet Metal Flashing And Trim (07 60)					
07 62 13 Fabricated Copings (07 62)					
07 62 13 00-0001 Lead Flashing And Trim (07 62 13)					
07 62 13 00-0002	SF		2.5 LB/SF Sheet Lead Flashing.....	15.55	4.64
			<i>For Up To 100, Add</i>	3.89	
07 62 13 00-0003	SF		4 LB/SF Sheet Lead Flashing.....	19.58	4.64
			<i>For Up To 100, Add</i>	4.90	
07 62 13 00-0004 Copper Flashing And Trim (07 62 13)					
07 62 13 00-0005 Copper Flashing And Trim (07 62 13 00-0004)					
07 62 13 00-0006	SF		16 Ounce, 0.021" Thick, Copper Flashing And Trim.....	21.23	4.54
			<i>For Up To 100, Add</i>	5.31	
			<i>For >500 To 2,000, Deduct</i>	-2.94	
			<i>For >2,000, Deduct</i>	-3.55	
			<i>For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add</i>	1.80	
			<i>For Wrap Around Window Panning, Add</i>	8.98	
07 62 13 00-0007	SF		20 Ounce, 0.027" Thick, Copper Flashing And Trim.....	21.94	4.64
			<i>For Up To 100, Add</i>	5.49	
			<i>For >500 To 2,000, Deduct</i>	-3.04	
			<i>For >2,000, Deduct</i>	-3.67	
			<i>For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add</i>	1.88	
			<i>For Wrap Around Window Panning, Add</i>	9.38	
07 62 13 00-0008	SF		24 Ounce, 0.032" Thick, Copper Flashing And Trim.....	24.90	4.96
			<i>For Up To 100, Add</i>	6.23	
			<i>For >500 To 2,000, Deduct</i>	-3.43	
			<i>For >2,000, Deduct</i>	-4.19	
			<i>For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add</i>	1.97	
			<i>For Wrap Around Window Panning, Add</i>	9.83	
07 62 13 00-0009	SF		32 Ounce, 0.043" Thick, Copper Flashing And Trim.....	30.41	5.16
			<i>For Up To 100, Add</i>	7.60	
			<i>For >500 To 2,000, Deduct</i>	-4.16	
			<i>For >2,000, Deduct</i>	-5.16	
			<i>For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add</i>	2.06	
			<i>For Wrap Around Window Panning, Add</i>	10.32	
07 62 13 00-0010 Stainless Steel Flashing And Trim (07 62 13)					
07 62 13 00-0011 Stainless Steel Flashing And Trim (07 62 13 00-0010)					
07 62 13 00-0012	SF		32 Gauge, 0.010" Thick, Stainless Steel Flashing And Trim.....	8.56	2.47
			<i>For Up To 100, Add</i>	2.14	
			<i>For Wrap Around Window Panning, Add</i>	6.37	
			<i>For Mechanically Keyed Flashing, Add</i>	0.88	
07 62 13 00-0013	SF		30 Gauge, 0.0125" Thick, Stainless Steel Flashing And Trim.....	9.21	2.78
			<i>For Up To 100, Add</i>	2.30	
			<i>For Wrap Around Window Panning, Add</i>	6.47	
			<i>For Mechanically Keyed Flashing, Add</i>	1.10	
07 62 13 00-0014	SF		28 Gauge, 0.0156" Thick, Stainless Steel Flashing And Trim.....	9.87	3.10
			<i>For Up To 100, Add</i>	2.47	
			<i>For Wrap Around Window Panning, Add</i>	6.59	
			<i>For Mechanically Keyed Flashing, Add</i>	1.31	
07 62 13 00-0015	SF		26 Gauge, 0.0187" Thick, Stainless Steel Flashing And Trim.....	10.91	3.41
			<i>For Up To 100, Add</i>	2.73	
			<i>For Wrap Around Window Panning, Add</i>	6.80	
			<i>For Mechanically Keyed Flashing, Add</i>	1.64	
07 62 13 00-0016	SF		24 Gauge, 0.025" Thick, Stainless Steel Flashing And Trim.....	12.64	3.61
			<i>For Up To 100, Add</i>	3.16	
			<i>For Wrap Around Window Panning, Add</i>	7.17	
			<i>For Mechanically Keyed Flashing, Add</i>	2.19	
07 62 13 00-0017	SF		22 Gauge, 0.031" Thick, Stainless Steel Flashing And Trim.....	13.77	3.79
			<i>For Up To 100, Add</i>	3.44	
			<i>For Wrap Around Window Panning, Add</i>	7.59	
			<i>For Mechanically Keyed Flashing, Add</i>	2.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 13 00-0018 SF 20 Gauge, 0.0375" Thick, Stainless Steel Flashing And Trim..... <i>For Up To 100, Add</i> <i>For Wrap Around Window Panning, Add</i> <i>For Mechanically Keyed Flashing, Add</i>	14.72 3.68 8.03 2.68	4.02
07 62 13 00-0019 Aluminum Flashing And Trim (07 62 13)		
07 62 13 00-0020 Aluminum Flashing And Trim (07 62 13 00-0019)		
07 62 13 00-0021 SF 0.013" Thick, Mill Finish, Aluminum Flashing And Trim <i>For Up To 100, Add</i> <i>For Baked Aluminum Colors, Add</i> <i>For Wrap Around Window Panning, Add</i>	9.91 2.48 0.28 7.12	3.20
07 62 13 00-0022 SF 0.016" Thick, Mill Finish, Aluminum Flashing And Trim <i>For Up To 100, Add</i> <i>For Baked Aluminum Colors, Add</i> <i>For Wrap Around Window Panning, Add</i>	10.52 2.63 0.34 7.12	3.20
07 62 13 00-0023 SF 0.019" Thick, Mill Finish, Aluminum Flashing And Trim <i>For Up To 100, Add</i> <i>For Baked Aluminum Colors, Add</i> <i>For Wrap Around Window Panning, Add</i>	11.00 2.75 0.39 7.12	3.20
07 62 13 00-0024 SF 0.024" Thick, Mill Finish, Aluminum Flashing And Trim <i>For Up To 100, Add</i> <i>For Baked Aluminum Colors, Add</i> <i>For Wrap Around Window Panning, Add</i>	11.70 2.93 0.46 7.12	3.20
07 62 13 00-0025 SF 0.032" Thick, Mill Finish, Aluminum Flashing And Trim <i>For Up To 100, Add</i> <i>For Baked Aluminum Colors, Add</i> <i>For Wrap Around Window Panning, Add</i>	12.67 3.17 0.56 7.12	3.20
07 62 13 00-0026 SF 0.040" Thick, Mill Finish, Aluminum Flashing And Trim <i>For Up To 100, Add</i> <i>For Baked Aluminum Colors, Add</i> <i>For Wrap Around Window Panning, Add</i>	13.27 3.32 0.62 7.12	3.20
07 62 13 00-0027 SF 0.050" Thick, Mill Finish, Aluminum Flashing And Trim <i>For Up To 100, Add</i> <i>For Baked Aluminum Colors, Add</i> <i>For Wrap Around Window Panning, Add</i>	13.75 3.44 0.66 7.12	3.20
07 62 13 00-0028 Steel Flashing And Trim (07 62 13)		
07 62 13 00-0029 Galvanized Steel Flashing And Trim (07 62 13 00-0028)		
07 62 13 00-0030 SF 28 Gauge, 0.019" Thick, Galvanized Steel Flashing..... <i>For Up To 100, Add</i> <i>For Wrap Around Window Panning, Add</i>	11.47 2.87 6.59	3.10
07 62 13 00-0031 SF 26 Gauge, 0.022" Thick, Galvanized Steel Flashing..... <i>For Up To 100, Add</i> <i>For Wrap Around Window Panning, Add</i>	11.94 2.99 6.80	3.41
07 62 13 00-0032 SF 24 Gauge, 0.028" Thick, Galvanized Steel Flashing..... <i>For Up To 100, Add</i> <i>For Wrap Around Window Panning, Add</i>	12.72 3.18 7.17	3.61
07 62 13 00-0033 SF 22 Gauge, 0.034" Thick, Galvanized Steel Flashing..... <i>For Up To 100, Add</i> <i>For Wrap Around Window Panning, Add</i>	13.54 3.39 7.59	3.79
07 62 13 00-0034 SF 20 Gauge, 0.04" Thick, Galvanized Steel Flashing..... <i>For Up To 100, Add</i> <i>For Wrap Around Window Panning, Add</i>	14.69 3.67 8.03	4.02
07 62 19 Fabricated Gravel Stops and Fasciae (07 62)		
07 62 19 00-0001 Aluminum Drip Edge (07 62 19) Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0002 KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0001)		
07 62 19 00-0003 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0002)		
07 62 19 00-0004 LF Up To 5" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	3.83	0.88
07 62 19 00-0005 LF >5" To 7" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	4.57	0.88
07 62 19 00-0006 LF >7" To 9" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	5.01	0.88
07 62 19 00-0007 LF >9" To 12" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	5.89	0.88
07 62 19 00-0008 LF >12" To 15" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	7.46	0.88
07 62 19 00-0009 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0002)		
07 62 19 00-0010 LF Up To 5" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	4.08	0.88
07 62 19 00-0011 LF >5" To 7" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	4.85	0.88
07 62 19 00-0012 LF >7" To 9" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	5.43	0.88
07 62 19 00-0013 LF >9" To 12" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	6.39	0.88
07 62 19 00-0014 LF >12" To 15" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	7.93	0.88
07 62 19 00-0015 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0002)		
07 62 19 00-0016 LF Up To 5" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	4.33	0.88

07	07 Thermal And Moisture Protection
07 60	Flashing And Sheet Metal
07 62	Sheet Metal Flashing And Trim



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
07 62 19 00-0017	LF >5" To 7" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.18	0.88
07 62 19 00-0018	LF >7" To 9" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.83	0.88
07 62 19 00-0019	LF >9" To 12" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.88	0.88
07 62 19 00-0020	LF >12" To 15" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	8.59	0.88
07 62 19 00-0021	0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge <small>(07 62 19 00-0002)</small>		
07 62 19 00-0022	LF Up To 5" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.82	0.88
07 62 19 00-0023	LF >5" To 7" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.84	0.88
07 62 19 00-0024	LF >7" To 9" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.61	0.88
07 62 19 00-0025	LF >9" To 12" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	7.87	0.88
07 62 19 00-0026	LF >12" To 15" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	9.91	0.88
07 62 19 00-0027	0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge <small>(07 62 19 00-0002)</small>		
07 62 19 00-0028	LF Up To 5" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.99	0.88
07 62 19 00-0029	LF >5" To 7" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.09	0.88
07 62 19 00-0030	LF >7" To 9" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.87	0.88
07 62 19 00-0031	LF >9" To 12" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	8.20	0.88
07 62 19 00-0032	LF >12" To 15" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	10.35	0.88
07 62 19 00-0033	0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge <small>(07 62 19 00-0002)</small>		
07 62 19 00-0034	LF Up To 5" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.56	0.88
07 62 19 00-0035	LF >5" To 7" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.83	0.88
07 62 19 00-0036	LF >7" To 9" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	7.78	0.88
07 62 19 00-0037	LF >9" To 12" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	9.36	0.88
07 62 19 00-0038	LF >12" To 15" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	11.89	0.88
07 62 19 00-0039	0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge <small>(07 62 19 00-0002)</small>		
07 62 19 00-0040	LF Up To 5" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.39	0.88
07 62 19 00-0041	LF >5" To 7" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	7.93	0.88
07 62 19 00-0042	LF >7" To 9" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	9.08	0.88
07 62 19 00-0043	LF >9" To 12" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	11.01	0.88
07 62 19 00-0044	LF >12" To 15" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	14.09	0.88
07 62 19 00-0045	0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge <small>(07 62 19 00-0002)</small>		
07 62 19 00-0046	LF Up To 5" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	7.38	0.88
07 62 19 00-0047	LF >5" To 7" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	9.25	0.88
07 62 19 00-0048	LF >7" To 9" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	10.65	0.88
07 62 19 00-0049	LF >9" To 12" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	12.99	0.88
07 62 19 00-0050	LF >12" To 15" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	16.73	0.88
07 62 19 00-0051	Mill Finish, Aluminum Drip Edge <small>(07 62 19 00-0001)</small>		
07 62 19 00-0052	0.016" Thick, Mill Finish, Aluminum Drip Edge <small>(07 62 19 00-0051)</small>		
07 62 19 00-0053	LF Up To 5" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	3.19	0.88
07 62 19 00-0054	LF >5" To 7" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	3.70	0.88
07 62 19 00-0055	LF >7" To 9" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	4.01	0.88
07 62 19 00-0056	LF >9" To 12" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	4.61	0.88
07 62 19 00-0057	LF >12" To 15" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	5.70	0.88
07 62 19 00-0058	0.019" Thick, Mill Finish, Aluminum Drip Edge <small>(07 62 19 00-0051)</small>		
07 62 19 00-0059	LF Up To 5" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	3.36	0.88
07 62 19 00-0060	LF >5" To 7" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	3.89	0.88
07 62 19 00-0061	LF >7" To 9" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	4.29	0.88
07 62 19 00-0062	LF >9" To 12" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	4.96	0.88
07 62 19 00-0063	LF >12" To 15" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	6.02	0.88
07 62 19 00-0064	0.025" Thick, Mill Finish, Aluminum Drip Edge <small>(07 62 19 00-0051)</small>		
07 62 19 00-0065	LF Up To 5" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	3.53	0.88
07 62 19 00-0066	LF >5" To 7" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	4.12	0.88
07 62 19 00-0067	LF >7" To 9" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	4.57	0.88
07 62 19 00-0068	LF >9" To 12" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	5.30	0.88
07 62 19 00-0069	LF >12" To 15" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	6.47	0.88
07 62 19 00-0070	0.032" Thick, Mill Finish, Aluminum Drip Edge <small>(07 62 19 00-0051)</small>		
07 62 19 00-0071	LF Up To 5" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	3.87	0.88
07 62 19 00-0072	LF >5" To 7" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	4.58	0.88
07 62 19 00-0073	LF >7" To 9" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	5.11	0.88
07 62 19 00-0074	LF >9" To 12" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	5.98	0.88
07 62 19 00-0075	LF >12" To 15" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	7.38	0.88



		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0076		0.040" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0051)		
	LF	Up To 5" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	3.99	0.88
	LF	>5" To 7" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	4.75	0.88
	LF	>7" To 9" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	5.29	0.88
	LF	>9" To 12" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	6.21	0.88
	LF	>12" To 15" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	7.69	0.88
07 62 19 00-0082		0.050" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0051)		
	LF	Up To 5" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	4.39	0.88
	LF	>5" To 7" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	5.26	0.88
	LF	>7" To 9" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	5.91	0.88
	LF	>9" To 12" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	7.00	0.88
	LF	>12" To 15" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	8.75	0.88
07 62 19 00-0088		0.063" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0051)		
	LF	Up To 5" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	4.96	0.88
	LF	>5" To 7" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	6.02	0.88
	LF	>7" To 9" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	6.81	0.88
	LF	>9" To 12" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	8.14	0.88
	LF	>12" To 15" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	10.26	0.88
07 62 19 00-0094		0.080" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0051)		
	LF	Up To 5" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	5.64	0.88
	LF	>5" To 7" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	6.93	0.88
	LF	>7" To 9" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	7.89	0.88
	LF	>9" To 12" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	9.51	0.88
	LF	>12" To 15" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	12.09	0.88
07 62 19 00-0100		Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0001)		
07 62 19 00-0101		0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0100)		
	LF	Up To 5" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	3.96	0.88
	LF	>5" To 7" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.74	0.88
	LF	>7" To 9" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.21	0.88
	LF	>9" To 12" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.14	0.88
	LF	>12" To 15" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	7.80	0.88
07 62 19 00-0107		0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0100)		
	LF	Up To 5" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.22	0.88
	LF	>5" To 7" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.03	0.88
	LF	>7" To 9" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.65	0.88
	LF	>9" To 12" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.67	0.88
	LF	>12" To 15" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	8.30	0.88
07 62 19 00-0113		0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0100)		
	LF	Up To 5" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.48	0.88
	LF	>5" To 7" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.38	0.88
	LF	>7" To 9" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.07	0.88
	LF	>9" To 12" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	7.19	0.88
	LF	>12" To 15" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	9.00	0.88
07 62 19 00-0119		0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0100)		
	LF	Up To 5" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.01	0.88
	LF	>5" To 7" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.08	0.88
	LF	>7" To 9" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.90	0.88
	LF	>9" To 12" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	8.24	0.88
	LF	>12" To 15" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	10.40	0.88
07 62 19 00-0125		0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0100)		
	LF	Up To 5" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.18	0.88
	LF	>5" To 7" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.35	0.88
	LF	>7" To 9" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	7.18	0.88
	LF	>9" To 12" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	8.59	0.88
	LF	>12" To 15" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	10.86	0.88
07 62 19 00-0131		0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0100)		
	LF	Up To 5" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.79	0.88
	LF	>5" To 7" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	7.13	0.88
	LF	>7" To 9" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	8.14	0.88
	LF	>9" To 12" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	9.81	0.88

07	07 Thermal And Moisture Protection
	07 60 Flashing And Sheet Metal
	07 62 Sheet Metal Flashing And Trim



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0136 LF >12" To 15" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	12.49	0.88
07 62 19 00-0137 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0100)		
07 62 19 00-0138 LF Up To 5" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.67	0.88
07 62 19 00-0139 LF >5" To 7" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	8.30	0.88
07 62 19 00-0140 LF >7" To 9" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	9.52	0.88
07 62 19 00-0141 LF >9" To 12" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	11.56	0.88
07 62 19 00-0142 LF >12" To 15" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	14.83	0.88
07 62 19 00-0143 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0100)		
07 62 19 00-0144 LF Up To 5" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	7.72	0.88
07 62 19 00-0145 LF >5" To 7" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	9.70	0.88
07 62 19 00-0146 LF >7" To 9" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	11.18	0.88
07 62 19 00-0147 LF >9" To 12" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	13.66	0.88
07 62 19 00-0148 LF >12" To 15" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	17.62	0.88
07 62 19 00-0149 Galvanized Steel Drip Edge (07 62 19) Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0150 Galvanized Steel Drip Edge (07 62 19 00-0149)		
07 62 19 00-0151 26 Gauge, Galvanized Steel Drip Edge (07 62 19 00-0150)		
07 62 19 00-0152 LF Up To 5" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	4.11	0.88
07 62 19 00-0153 LF >5" To 7" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	4.91	0.88
07 62 19 00-0154 LF >7" To 9" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	5.48	0.88
07 62 19 00-0155 LF >9" To 12" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	6.45	0.88
07 62 19 00-0156 LF >12" To 15" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	8.01	0.88
07 62 19 00-0157 24 Gauge, Galvanized Steel Drip Edge (07 62 19 00-0150)		
07 62 19 00-0158 LF Up To 5" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	4.46	0.88
07 62 19 00-0159 LF >5" To 7" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	5.38	0.88
07 62 19 00-0160 LF >7" To 9" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	6.04	0.88
07 62 19 00-0161 LF >9" To 12" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	7.16	0.88
07 62 19 00-0162 LF >12" To 15" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	8.94	0.88
07 62 19 00-0163 KYNAR 500® Finish, Galvanized Steel Drip Edge (07 62 19 00-0149)		
07 62 19 00-0164 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge (07 62 19 00-0163)		
07 62 19 00-0165 LF Up To 5" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	5.16	0.88
07 62 19 00-0166 LF >5" To 7" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	6.32	0.88
07 62 19 00-0167 LF >7" To 9" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	7.15	0.88
07 62 19 00-0168 LF >9" To 12" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	8.56	0.88
07 62 19 00-0169 LF >12" To 15" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	10.82	0.88
07 62 19 00-0170 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge (07 62 19 00-0163)		
07 62 19 00-0171 LF Up To 5" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	5.67	0.88
07 62 19 00-0172 LF >5" To 7" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	7.01	0.88
07 62 19 00-0173 LF >7" To 9" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	7.96	0.88
07 62 19 00-0174 LF >9" To 12" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	9.57	0.88
07 62 19 00-0175 LF >12" To 15" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	12.18	0.88
07 62 19 00-0176 Stainless Steel Drip Edge (07 62 19) Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0177 26 Gauge, Stainless Steel Drip Edge (07 62 19 00-0176)		
07 62 19 00-0178 LF Up To 5" Girth, 26 Gauge, Stainless Steel Drip Edge.....	4.88	0.88
07 62 19 00-0179 LF >5" To 7" Girth, 26 Gauge, Stainless Steel Drip Edge.....	5.91	0.88
07 62 19 00-0180 LF >7" To 9" Girth, 26 Gauge, Stainless Steel Drip Edge.....	6.69	0.88
07 62 19 00-0181 LF >9" To 12" Girth, 26 Gauge, Stainless Steel Drip Edge.....	7.99	0.88
07 62 19 00-0182 LF >12" To 15" Girth, 26 Gauge, Stainless Steel Drip Edge.....	10.06	0.88
07 62 19 00-0183 24 Gauge, Stainless Steel Drip Edge (07 62 19 00-0176)		
07 62 19 00-0184 LF Up To 5" Girth, 24 Gauge, Stainless Steel Drip Edge.....	5.86	0.88
07 62 19 00-0185 LF >5" To 7" Girth, 24 Gauge, Stainless Steel Drip Edge.....	7.22	0.88
07 62 19 00-0186 LF >7" To 9" Girth, 24 Gauge, Stainless Steel Drip Edge.....	8.25	0.88
07 62 19 00-0187 LF >9" To 12" Girth, 24 Gauge, Stainless Steel Drip Edge.....	9.94	0.88
07 62 19 00-0188 LF >12" To 15" Girth, 24 Gauge, Stainless Steel Drip Edge.....	12.67	0.88
07 62 19 00-0189 22 Gauge, Stainless Steel Drip Edge (07 62 19 00-0176)		
07 62 19 00-0190 LF Up To 5" Girth, 22 Gauge, Stainless Steel Drip Edge.....	7.01	0.88
07 62 19 00-0191 LF >5" To 7" Girth, 22 Gauge, Stainless Steel Drip Edge.....	8.75	0.88
07 62 19 00-0192 LF >7" To 9" Girth, 22 Gauge, Stainless Steel Drip Edge.....	10.07	0.88



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 62 19 00-0193	LF	>9" To 12" Girth, 22 Gauge, Stainless Steel Drip Edge.....	12.25	0.88
07 62 19 00-0194	LF	>12" To 15" Girth, 22 Gauge, Stainless Steel Drip Edge.....	15.74	0.88

07 63 Sheet Metal Roofing Specialties (07 60)

07 63 00 00-0001 Pitch Pockets (07 63)

Note: Cut into deck, filled with non-shrink grout, includes blocking.

07 63 00 00-0002 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pockets (07 63 00 00-0001)

07 63 00 00-0003	EA	4" x 4" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	61.60	
		<i>For Pourable Sealer Filled, Add</i>	21.71	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	10.86	
07 63 00 00-0004	EA	6" x 6" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	72.66	
		<i>For Pourable Sealer Filled, Add</i>	48.87	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	24.50	
07 63 00 00-0005	EA	8" x 8" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	87.11	
		<i>For Pourable Sealer Filled, Add</i>	86.83	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	43.32	
07 63 00 00-0006	EA	8" x 10" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	95.59	
		<i>For Pourable Sealer Filled, Add</i>	108.54	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	54.45	
07 63 00 00-0007	EA	8" x 12" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	103.36	
		<i>For Pourable Sealer Filled, Add</i>	130.25	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	65.13	
07 63 00 00-0008	SF	24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	120.07	
		<i>For Pourable Sealer Filled, Add</i>	195.37	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	97.08	

07 63 00 00-0009 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pockets (07 63 00 00-0001)

07 63 00 00-0010	EA	4" x 4" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	76.04	
		<i>For Pourable Sealer Filled, Add</i>	21.71	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	10.86	
07 63 00 00-0011	EA	6" x 6" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	89.56	
		<i>For Pourable Sealer Filled, Add</i>	48.87	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	24.50	
07 63 00 00-0012	EA	8" x 8" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	107.09	
		<i>For Pourable Sealer Filled, Add</i>	86.83	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	43.32	
07 63 00 00-0013	EA	8" x 10" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	118.47	
		<i>For Pourable Sealer Filled, Add</i>	108.54	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	54.45	
07 63 00 00-0014	EA	8" x 12" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	126.80	
		<i>For Pourable Sealer Filled, Add</i>	130.25	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	65.13	
07 63 00 00-0015	SF	16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	144.99	
		<i>For Pourable Sealer Filled, Add</i>	195.37	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	97.08	

07 63 00 00-0016 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pockets (07 63 00 00-0001)

07 63 00 00-0017	EA	4" x 4" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	72.58	
		<i>For Pourable Sealer Filled, Add</i>	21.71	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	10.86	
07 63 00 00-0018	EA	6" x 6" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	84.90	
		<i>For Pourable Sealer Filled, Add</i>	48.87	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	24.50	
07 63 00 00-0019	EA	8" x 8" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	97.42	
		<i>For Pourable Sealer Filled, Add</i>	86.83	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	43.32	
07 63 00 00-0020	EA	8" x 10" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	105.53	
		<i>For Pourable Sealer Filled, Add</i>	108.54	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	54.45	
07 63 00 00-0021	EA	8" x 12" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	112.82	
		<i>For Pourable Sealer Filled, Add</i>	130.25	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	65.13	
07 63 00 00-0022	SF	24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	128.44	
		<i>For Pourable Sealer Filled, Add</i>	195.37	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	97.08	

07 63 00 00-0023 Clean, Repair And Refill Existing Pitch Pockets With Non-Shrink Grout (07 63 00 00-0001)

Note: Includes removing existing filler and refilling with non-shrink grout.

07 63 00 00-0024	EA	Clean, Repair And Refill Existing 4" x 4" Pitch Pocket With Non-Shrink Grout.....	57.24	
		<i>For Pourable Sealer Filled, Add</i>	21.71	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	10.86	
07 63 00 00-0025	EA	Clean, Repair And Refill Existing 6" x 6" Pitch Pocket With Non-Shrink Grout.....	64.14	
		<i>For Pourable Sealer Filled, Add</i>	48.87	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	24.50	

07 Thermal And Moisture Protection**07 60 Flashing And Sheet Metal****07 63 Sheet Metal Roofing Specialties**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
07 63 00 00-0026	EA	Clean, Repair And Refill Existing 8" x 8" Pitch Pocket With Non-Shrink Grout	73.16	
		<i>For Pourable Sealer Filled, Add</i>	86.83	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	43.32	
07 63 00 00-0027	EA	Clean, Repair And Refill Existing 8" x 10" Pitch Pocket With Non-Shrink Grout	79.05	
		<i>For Pourable Sealer Filled, Add</i>	108.54	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	54.45	
07 63 00 00-0028	EA	Clean, Repair And Refill Existing 8" x 12" Pitch Pocket With Non-Shrink Grout	84.95	
		<i>For Pourable Sealer Filled, Add</i>	130.25	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	65.13	
07 63 00 00-0029	SF	Clean, Repair And Refill Existing Pitch Pocket With Non-Shrink Grout	99.10	
		<i>For Pourable Sealer Filled, Add</i>	195.37	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	97.08	
07 63 00 00-0030		Lead Pipe Flashing For Roofs <small>(07 63)</small>		
		Note: Includes 6" skirt base.		
07 63 00 00-0031	EA	1-1/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3/4" Pipe.....	76.58	25.13
07 63 00 00-0032	EA	1-1/2" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 1" Pipe.....	76.58	25.13
07 63 00 00-0033	EA	2-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 2" Pipe.....	91.33	25.13
07 63 00 00-0034	EA	3-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3" Pipe.....	99.76	25.13
07 63 00 00-0035	EA	4-1/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3-1/2" Pipe	103.97	25.13
07 63 00 00-0036	EA	4-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 4" Pipe.....	106.08	25.13
07 63 00 00-0037	EA	6-7/8" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 6" Pipe.....	127.15	25.13
07 63 00 00-0038	EA	8-7/8" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 8" Pipe.....	136.63	25.13
07 63 00 00-0039		Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing <small>(07 63)</small>		
07 63 00 00-0040	EA	2" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	53.34	16.24
07 63 00 00-0041	EA	3" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	53.61	16.24
07 63 00 00-0042	EA	4" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	54.57	16.24
07 63 00 00-0043	EA	6" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	59.37	16.24
07 65 Flexible Flashing <small>(07 60)</small>				
07 65 16 Modified Bituminous Sheet Flashing <small>(07 65)</small>				
07 65 16 00-0001		Liquid Flashing System For Modified And BUR Systems <small>(07 65 16)</small>		
		See CSI section 07 51 13 00-0036 for ceramic coated roofing granules.		
07 65 16 00-0002	SF	60 Mil, Urethane Elastomer Liquid Applied Flashing.....	7.85	1.69
		Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 30 mil second coat.		
07 65 19 Plastic Sheet Flashing <small>(07 65)</small>				
07 65 19 00-0001		Plastic Flashing And Trim <small>(07 65 19)</small>		
07 65 19 00-0002		Neoprene Flashing <small>(07 65 19 00-0001)</small>		
07 65 19 00-0003		60 Mil Neoprene Flashing <small>(07 65 19 00-0002)</small>		
07 65 19 00-0004	LF	6" Wide Strip, 60 Mil, Neoprene Flashing	6.92	2.39
07 65 19 00-0005	LF	12" Wide Strip, 60 Mil, Neoprene Flashing	8.81	2.57
07 65 19 00-0006	LF	18" Wide Strip, 60 Mil, Neoprene Flashing	10.97	2.83
07 65 19 00-0007	LF	24" Wide Strip, 60 Mil, Neoprene Flashing	13.29	3.19
07 65 33 Flexible Roof Boot <small>(07 65)</small>				
07 65 33 00-0001		Neoprene Roof Boot <small>(07 65 33)</small>		
07 65 33 00-0002	EA	Neoprene Roof Boot For 2" Diameter Pipe.....	33.24	7.35
07 65 33 00-0003	EA	Neoprene Roof Boot For 3" Diameter Pipe.....	38.99	8.23
07 65 33 00-0004	EA	Neoprene Roof Boot For 4" Diameter Pipe.....	43.22	8.85
07 70 Roof And Wall Specialties And Accessories <small>(07)</small>				
		Note: Includes placement of materials on roof up to 2-1/2 stories.		
07 71 Roof Specialties <small>(07 70)</small>				
07 71 13 Manufactured Copings <small>(07 71)</small>				
07 71 13 00-0001		Galvanized Steel Copings <small>(07 71 13)</small>		
07 71 13 00-0002		KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0001)</small>		
		Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0003	LF	10" To 14" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	19.83	1.92
07 71 13 00-0004	LF	>14" To 16" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	20.94	2.07



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71	13 00-0005	LF	>16" To 22" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	23.78	2.18
07 71	13 00-0006	LF	>22" To 30" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	27.55	2.39
07 71	13 00-0007	LF	>30" To 42" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	33.11	2.50
07 71	13 00-0008		Aluminum Copings <small>(07 71 13)</small>		
07 71	13 00-0009		Mill Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0009)</small> Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71	13 00-0010		0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0009)</small>		
07 71	13 00-0011	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	15.94	1.92
07 71	13 00-0012	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	17.03	2.07
07 71	13 00-0013	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	19.73	2.18
07 71	13 00-0014	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	23.44	2.39
07 71	13 00-0015	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	28.90	2.50
07 71	13 00-0016		0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0009)</small>		
07 71	13 00-0017	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	17.22	1.92
07 71	13 00-0018	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	18.39	2.07
07 71	13 00-0019	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	21.34	2.18
07 71	13 00-0020	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	25.39	2.39
07 71	13 00-0021	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	31.37	2.50
07 71	13 00-0022		0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0009)</small>		
07 71	13 00-0023	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	18.27	1.92
07 71	13 00-0024	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	19.60	2.07
07 71	13 00-0025	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	23.34	2.18
07 71	13 00-0026	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	28.98	2.39
07 71	13 00-0027	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	37.17	2.50
07 71	13 00-0028		KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0008)</small> Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71	13 00-0029		0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0028)</small>		
07 71	13 00-0030	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	21.68	1.92
07 71	13 00-0031	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	23.14	2.07
07 71	13 00-0032	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	26.98	2.18
07 71	13 00-0033	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	32.20	2.39
07 71	13 00-0034	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	40.02	2.50
07 71	13 00-0035		0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0028)</small>		
07 71	13 00-0036	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	23.53	1.92
07 71	13 00-0037	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	25.11	2.07
07 71	13 00-0038	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	29.31	2.18
07 71	13 00-0039	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	35.03	2.39
07 71	13 00-0040	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	43.61	2.50
07 71	13 00-0041		0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0028)</small>		
07 71	13 00-0042	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	25.05	1.92
07 71	13 00-0043	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	26.87	2.07

07 Thermal And Moisture Protection**07 70 Roof And Wall Specialties And Accessories****07 71 Roof Specialties**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0044	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	32.21	2.18
07 71 13 00-0045	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	40.23	2.39
07 71 13 00-0046	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	52.03	2.50
07 71 13 00-0047		Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0008)</small> Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0048		0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0047)</small>		
07 71 13 00-0049	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	22.79	1.92
07 71 13 00-0050	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	24.32	2.07
07 71 13 00-0051	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	28.38	2.18
07 71 13 00-0052	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	33.90	2.39
07 71 13 00-0053	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	42.17	2.50
07 71 13 00-0054		0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0047)</small>		
07 71 13 00-0055	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	24.75	1.92
07 71 13 00-0056	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	26.41	2.07
07 71 13 00-0057	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	30.85	2.18
07 71 13 00-0058	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	36.89	2.39
07 71 13 00-0059	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	45.98	2.50
07 71 13 00-0060		0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0047)</small>		
07 71 13 00-0061	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	26.36	1.92
07 71 13 00-0062	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	28.27	2.07
07 71 13 00-0063	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	33.93	2.18
07 71 13 00-0064	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	42.40	2.39
07 71 13 00-0065	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	54.90	2.50
07 71 13 00-0066		Remove And Reinstall Metal Coping <small>(07 71 13)</small>		
07 71 13 00-0067	LF	Removal And Reinstallation Of Metal Coping	7.17	
07 71 19		Manufactured Gravel Stops And Fasciae <small>(07 71)</small>		
07 71 19 00-0001		Gravel Stop <small>(07 71 19)</small>		
07 71 19 00-0002		Aluminum Gravel Stop <small>(07 71 19 00-0001)</small>		
07 71 19 00-0003		Aluminum Gravel Stop <small>(07 71 19 00-0002)</small>		
07 71 19 00-0004		KYNAR 500® Finish, Aluminum Gravel Stop <small>(07 71 19 00-0003)</small>		
07 71 19 00-0005		0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop <small>(07 71 19 00-0004)</small>		
07 71 19 00-0006	LF	4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	12.48	1.60
07 71 19 00-0007	LF	>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	12.65	1.65
07 71 19 00-0008	LF	>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	12.89	1.70
07 71 19 00-0009		0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop <small>(07 71 19 00-0004)</small>		
07 71 19 00-0010	LF	4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	13.16	1.60
07 71 19 00-0011	LF	>6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	13.37	1.65
07 71 19 00-0012	LF	>10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	13.64	1.70
07 71 19 00-0013		0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop <small>(07 71 19 00-0004)</small>		



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07 71 19 00-0014 LF 4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	14.05	1.60
07 71 19 00-0015 LF >6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	14.22	1.65
07 71 19 00-0016 LF >10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	14.59	1.70
07 71 19 00-0017 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop <small>(07 71 19 00-0004)</small>		
07 71 19 00-0018 LF 4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	14.66	1.60
07 71 19 00-0019 LF >6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	14.85	1.65
07 71 19 00-0020 LF >10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	15.25	1.70
07 71 19 00-0021 Mill Finish, Aluminum Gravel Stop <small>(07 71 19 00-0003)</small>		
07 71 19 00-0022 0.032" Thick, Mill Finish, Aluminum Gravel Stop <small>(07 71 19 00-0021)</small>		
07 71 19 00-0023 LF 4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop.....	8.69	1.60
07 71 19 00-0024 LF >6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop.....	9.05	1.65
07 71 19 00-0025 LF >10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop.....	9.47	1.70
07 71 19 00-0026 0.040" Thick, Mill Finish, Aluminum Gravel Stop <small>(07 71 19 00-0021)</small>		
07 71 19 00-0027 LF 4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop.....	9.26	1.60
07 71 19 00-0028 LF >6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop.....	9.55	1.65
07 71 19 00-0029 LF >10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop.....	9.85	1.70
07 71 19 00-0030 0.050" Thick, Mill Finish, Aluminum Gravel Stop <small>(07 71 19 00-0021)</small>		
07 71 19 00-0031 LF 4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop.....	9.83	1.60
07 71 19 00-0032 LF >6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop.....	10.12	1.65
07 71 19 00-0033 LF >10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop.....	10.46	1.70
07 71 19 00-0034 0.063" Thick, Mill Finish, Aluminum Gravel Stop <small>(07 71 19 00-0021)</small>		
07 71 19 00-0035 LF 4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop.....	10.44	1.60
07 71 19 00-0036 LF >6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop.....	10.69	1.65
07 71 19 00-0037 LF >10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop.....	10.92	1.70
07 71 19 00-0038 Clear Anodized Finish, Aluminum Gravel Stop <small>(07 71 19 00-0003)</small>		
07 71 19 00-0039 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop <small>(07 71 19 00-0038)</small>		
07 71 19 00-0040 LF 4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	14.58	1.60
07 71 19 00-0041 LF >6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	14.85	1.65
07 71 19 00-0042 LF >10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	15.11	1.70
07 71 19 00-0043 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop <small>(07 71 19 00-0038)</small>		
07 71 19 00-0044 LF 4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	15.41	1.60
07 71 19 00-0045 LF >6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	15.71	1.65
07 71 19 00-0046 LF >10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	16.01	1.70
07 71 19 00-0047 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop <small>(07 71 19 00-0038)</small>		
07 71 19 00-0048 LF 4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	16.47	1.60
07 71 19 00-0049 LF >6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	16.73	1.65
07 71 19 00-0050 LF >10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	16.96	1.70
07 71 19 00-0051 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop <small>(07 71 19 00-0038)</small>		
07 71 19 00-0052 LF 4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	17.20	1.60
07 71 19 00-0053 LF >6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	17.48	1.65
07 71 19 00-0054 LF >10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	17.74	1.70
07 71 19 00-0055 Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0002)</small>		
<small>Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.</small>		
07 71 19 00-0056 KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0055)</small>		
07 71 19 00-0057 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0056)</small>		
07 71 19 00-0058 LF 4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	15.83	2.66
07 71 19 00-0059 LF >6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	16.47	2.74
07 71 19 00-0060 LF >10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	17.23	2.83
07 71 19 00-0061 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0056)</small>		

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07 70	Roof And Wall Specialties And Accessories
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07 71 19 00-0062 LF 4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	16.52	2.66
07 71 19 00-0063 LF >6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	17.18	2.74
07 71 19 00-0064 LF >10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	17.98	2.83
07 71 19 00-0065 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0056)		
07 71 19 00-0066 LF 4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	17.41	2.66
07 71 19 00-0067 LF >6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	18.03	2.74
07 71 19 00-0068 LF >10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	18.93	2.83
07 71 19 00-0069 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0056)		
07 71 19 00-0070 LF 4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	18.01	2.66
07 71 19 00-0071 LF >6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	18.66	2.74
07 71 19 00-0072 LF >10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	19.60	2.83
07 71 19 00-0073 Mill Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0055)		
07 71 19 00-0074 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0073)		
07 71 19 00-0075 LF 4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	12.57	2.66
07 71 19 00-0076 LF >6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	13.06	2.74
07 71 19 00-0077 LF >10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	13.67	2.83
07 71 19 00-0078 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0073)		
07 71 19 00-0079 LF 4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	13.04	2.66
07 71 19 00-0080 LF >6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	13.55	2.74
07 71 19 00-0081 LF >10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	14.19	2.83
07 71 19 00-0082 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0073)		
07 71 19 00-0083 LF 4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	13.65	2.66
07 71 19 00-0084 LF >6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	14.14	2.74
07 71 19 00-0085 LF >10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	14.81	2.83
07 71 19 00-0086 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0073)		
07 71 19 00-0087 LF 4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	14.07	2.66
07 71 19 00-0088 LF >6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	14.57	2.74
07 71 19 00-0089 LF >10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	15.27	2.83
07 71 19 00-0090 Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0055)		
07 71 19 00-0091 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)		
07 71 19 00-0092 LF 4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	17.94	2.66
07 71 19 00-0093 LF >6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	18.66	2.74
07 71 19 00-0094 LF >10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	19.46	2.83
07 71 19 00-0095 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)		
07 71 19 00-0096 LF 4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	18.76	2.66
07 71 19 00-0097 LF >6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	19.52	2.74
07 71 19 00-0098 LF >10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	20.36	2.83
07 71 19 00-0099 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)		



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	07 71 19 00-0100	LF 4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	19.83	2.66
	07 71 19 00-0101	LF >6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	20.54	2.74
	07 71 19 00-0102	LF >10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	21.30	2.83
	07 71 19 00-0103	0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0090)</small>		
	07 71 19 00-0104	LF 4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	20.55	2.66
	07 71 19 00-0105	LF >6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	21.29	2.74
	07 71 19 00-0106	LF >10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	22.09	2.83
	07 71 19 00-0107	Stainless Steel Gravel Stop <small>(07 71 19 00-0001)</small>		
	07 71 19 00-0108	Stainless Steel Gravel Stop <small>(07 71 19 00-0107)</small>		
	07 71 19 00-0109	26 Gauge, Stainless Steel Gravel Stop <small>(07 71 19 00-0108)</small>		
	07 71 19 00-0110	LF 4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop.....	9.54	1.60
	07 71 19 00-0111	LF >6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop	11.79	1.65
	07 71 19 00-0112	LF >10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop	16.49	1.70
	07 71 19 00-0113	24 Gauge, Stainless Steel Gravel Stop <small>(07 71 19 00-0108)</small>		
	07 71 19 00-0114	LF 4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop.....	11.38	1.60
	07 71 19 00-0115	LF >6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop	14.25	1.65
	07 71 19 00-0116	LF >10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop	20.17	1.70
	07 71 19 00-0117	22 Gauge, Stainless Steel Gravel Stop <small>(07 71 19 00-0108)</small>		
	07 71 19 00-0118	LF 4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop.....	13.34	1.60
	07 71 19 00-0119	LF >6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop	16.86	1.65
	07 71 19 00-0120	LF >10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop	24.08	1.70
	07 71 19 00-0121	Stainless Steel Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0107)</small> Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
	07 71 19 00-0122	26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0121)</small>		
	07 71 19 00-0123	LF 4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	12.91	2.66
	07 71 19 00-0124	LF >6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	15.62	2.74
	07 71 19 00-0125	LF >10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	20.86	2.83
	07 71 19 00-0126	24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0121)</small>		
	07 71 19 00-0127	LF 4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	14.75	2.66
	07 71 19 00-0128	LF >6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	18.08	2.74
	07 71 19 00-0129	LF >10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	24.54	2.83
	07 71 19 00-0130	22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0121)</small>		
	07 71 19 00-0131	LF 4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	16.71	2.66
	07 71 19 00-0132	LF >6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	20.69	2.74
	07 71 19 00-0133	LF >10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	28.46	2.83
	07 71 19 00-0134	Galvanized Steel Gravel Stop <small>(07 71 19 00-0001)</small>		
	07 71 19 00-0135	Galvanized Steel Gravel Stop <small>(07 71 19 00-0134)</small>		
	07 71 19 00-0136	KYNAR 500® Finish, Galvanized Steel Gravel Stop <small>(07 71 19 00-0135)</small>		
	07 71 19 00-0137	24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop <small>(07 71 19 00-0136)</small>		
	07 71 19 00-0138	LF 4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop.....	13.54	1.60
	07 71 19 00-0139	LF >6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop.....	13.71	1.65
	07 71 19 00-0140	LF >10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop.....	14.03	1.70
	07 71 19 00-0141	Galvanized Steel Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0134)</small> Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
	07 71 19 00-0142	KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0141)</small>		
	07 71 19 00-0143	24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0142)</small>		

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07 71 19 00-0144 LF 4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat.....	17.23	2.66
07 71 19 00-0145 LF >6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat.....	17.96	2.74
07 71 19 00-0146 LF >10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat.....	18.94	2.83
07 71 19 00-0147 Copper Gravel Stop (07 71 19 00-0001)		
07 71 19 00-0148 Copper Gravel Stop (07 71 19 00-0147)		
07 71 19 00-0149 20 Ounce, Copper Gravel Stop (07 71 19 00-0148)		
07 71 19 00-0150 LF 4" To 6" Face Height, 20 Ounce, Copper Gravel Stop.....	37.45	1.60
07 71 19 00-0151 LF >6" To 10" Face Height, 20 Ounce, Copper Gravel Stop.....	42.39	1.65
07 71 19 00-0152 LF >10" To 18" Face Height, 20 Ounce, Copper Gravel Stop.....	48.66	1.70
07 71 19 00-0153 16 Ounce, Copper Gravel Stop (07 71 19 00-0148)		
07 71 19 00-0154 LF 4" To 6" Face Height, 16 Ounce, Copper Gravel Stop.....	45.58	1.60
07 71 19 00-0155 LF >6" To 10" Face Height, 16 Ounce, Copper Gravel Stop.....	52.32	1.65
07 71 19 00-0156 LF >10" To 18" Face Height, 16 Ounce, Copper Gravel Stop.....	59.49	1.70
07 71 19 00-0157 Copper Gravel Stop System With Continuous Cleat (07 71 19 00-0147)		
Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0158 20 Ounce, Copper Gravel Stop System With Continuous Cleat (07 71 19 00-0157)		
07 71 19 00-0159 LF 4" To 6" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat.....	40.74	2.66
07 71 19 00-0160 LF >6" To 10" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat.....	46.12	2.74
07 71 19 00-0161 LF >10" To 18" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat.....	52.90	2.83
07 71 19 00-0162 16 Ounce, Copper Gravel Stop System With Continuous Cleat (07 71 19 00-0157)		
07 71 19 00-0163 LF 4" To 6" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat.....	48.87	2.66
07 71 19 00-0164 LF >6" To 10" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat.....	56.06	2.74
07 71 19 00-0165 LF >10" To 18" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat.....	63.74	2.83
07 71 19 00-0166 Fascia (07 71 19)		
07 71 19 00-0167 Snap-On Cover Fascia (07 71 19 00-0166)		
Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0168 Galvanized Steel Snap-On Cover Fascia (07 71 19 00-0167)		
07 71 19 00-0169 KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia (07 71 19 00-0168)		
07 71 19 00-0170 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia (07 71 19 00-0169)		
07 71 19 00-0171 LF 3" To 5" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat.....	17.53	2.21
07 71 19 00-0172 LF >5" To 7" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat.....	19.51	2.30
07 71 19 00-0173 LF >7" To 9" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat.....	20.81	2.39
07 71 19 00-0174 Accessories For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (07 71 19 00-0169)		
07 71 19 00-0175 Fascia Sumps For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (07 71 19 00-0174)		
07 71 19 00-0176 EA Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems.....	108.53	3.10
07 71 19 00-0177 EA Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems.....	115.69	3.10
07 71 19 00-0178 EA Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems.....	120.19	3.10
07 71 19 00-0179 Fascia Spillout Scuppers For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (07 71 19 00-0174)		
07 71 19 00-0180 EA Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems.....	89.03	3.10
07 71 19 00-0181 EA Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems.....	92.65	3.10
07 71 19 00-0182 EA Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems.....	94.85	3.10
07 71 19 00-0183 Aluminum Snap-On Cover Fascia (07 71 19 00-0167)		
07 71 19 00-0184 KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0183)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0185 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat <small>(07 71 19 00-0184)</small>		
07 71 19 00-0186 LF 3" To 5" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	15.85	2.21
07 71 19 00-0187 LF >5" To 7" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	17.84	2.30
07 71 19 00-0188 LF >7" To 9" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	18.89	2.39
07 71 19 00-0189 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat <small>(07 71 19 00-0184)</small>		
07 71 19 00-0190 LF 3" To 5" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	16.60	2.21
07 71 19 00-0191 LF >5" To 7" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	18.80	2.30
07 71 19 00-0192 LF >7" To 9" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	19.97	2.39
07 71 19 00-0193 Accessories For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems <small>(07 71 19 00-0184)</small>		
07 71 19 00-0194 Fascia Sumps For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems <small>(07 71 19 00-0193)</small>		
07 71 19 00-0195 EA Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	97.10	3.10
07 71 19 00-0196 EA Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	105.17	3.10
07 71 19 00-0197 EA Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	108.70	3.10
07 71 19 00-0198 Fascia Spillout Scuppers For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems <small>(07 71 19 00-0193)</small>		
07 71 19 00-0199 EA Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	77.19	3.10
07 71 19 00-0200 EA Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	81.21	3.10
07 71 19 00-0201 EA Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	82.97	3.10
07 71 19 00-0202 Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat <small>(07 71 19 00-0183)</small>		
07 71 19 00-0203 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat <small>(07 71 19 00-0202)</small>		
07 71 19 00-0204 LF 3" To 5" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	18.14	2.21
07 71 19 00-0205 LF >5" To 7" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	20.48	2.30
07 71 19 00-0206 LF >7" To 9" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	21.71	2.39
07 71 19 00-0207 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat <small>(07 71 19 00-0202)</small>		
07 71 19 00-0208 LF 3" To 5" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	19.03	2.21
07 71 19 00-0209 LF >5" To 7" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	21.63	2.30
07 71 19 00-0210 LF >7" To 9" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	23.01	2.39
07 71 19 00-0211 Accessories For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems <small>(07 71 19 00-0202)</small>		
07 71 19 00-0212 Fascia Sumps For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems <small>(07 71 19 00-0211)</small>		
07 71 19 00-0213 EA Fascia Sump For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	119.82	3.10
07 71 19 00-0214 EA Fascia Sump For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	129.91	3.10
07 71 19 00-0215 EA Fascia Sump For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	134.33	3.10
07 71 19 00-0216 Fascia Spillout Scuppers For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems <small>(07 71 19 00-0211)</small>		
07 71 19 00-0217 EA Fascia Spillout Scupper For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	94.94	3.10

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 71	Roof Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0218	EA		Fascia Spillover Scupper For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	99.97	3.10
07 71 19 00-0219	EA		Fascia Spillover Scupper For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	102.17	3.10
07 71 23			Manufactured Gutters And Downspouts (07 71)		
			Note: Includes all necessary support straps.		
07 71 23 00-0001			Aluminum Gutters And Downspouts (07 71 23)		
07 71 23 00-0002			Aluminum Gutters (07 71 23 00-0001)		
			Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0003			K-Style Aluminum Gutters (07 71 23 00-0002)		
07 71 23 00-0004	LF		5", 0.027" Thick, K-Style Aluminum Gutter For Kynar 500® Finish, Add	6.20 0.86	2.58
07 71 23 00-0005	LF		6", 0.027" Thick, K-Style Aluminum Gutter For Kynar 500® Finish, Add	6.72 1.09	2.58
07 71 23 00-0006	LF		5", 0.032" Thick, K-Style Aluminum Gutter For Kynar 500® Finish, Add	6.47 0.98	2.58
07 71 23 00-0007	LF		6", 0.032" Thick, K-Style Aluminum Gutter For Kynar 500® Finish, Add	7.07 1.25	2.58
07 71 23 00-0008	LF		7", 0.032" Thick, K-Style Aluminum Gutter For Kynar 500® Finish, Add	13.25 4.03	2.58
07 71 23 00-0009	LF		8", 0.032" Thick, K-Style Aluminum Gutter For Kynar 500® Finish, Add	14.09 4.41	2.58
07 71 23 00-0010	LF		8", 0.040" Thick, K-Style Aluminum Gutter For Kynar 500® Finish, Add	15.98 5.26	2.58
07 71 23 00-0011			Half Round Aluminum Gutters (07 71 23 00-0002)		
07 71 23 00-0012	LF		5", 0.027" Thick, Half Round Aluminum Gutter For Kynar 500® Finish, Add	11.67 3.32	2.58
07 71 23 00-0013	LF		6", 0.032" Thick, Half Round Aluminum Gutter For Kynar 500® Finish, Add	13.89 4.32	2.58
07 71 23 00-0014			Box Style Aluminum Gutters (07 71 23 00-0002)		
07 71 23 00-0015	LF		6", 0.027" Thick, Box Style Aluminum Gutter For Kynar 500® Finish, Add	11.14 3.08	2.58
07 71 23 00-0016	LF		6", 0.032" Thick, Box Style Aluminum Gutter For Kynar 500® Finish, Add	11.17 3.09	2.58
07 71 23 00-0017	LF		7", 0.032" Thick, Box Style Aluminum Gutter For Kynar 500® Finish, Add	12.86 3.85	2.58
07 71 23 00-0018	LF		8", 0.032" Thick, Box Style Aluminum Gutter For Kynar 500® Finish, Add	14.38 4.54	2.58
07 71 23 00-0019			Aluminum Gutter End Caps (07 71 23 00-0001)		
07 71 23 00-0020			K-Style, Aluminum Gutter End Caps (07 71 23 00-0019)		
07 71 23 00-0021	EA		5", K-Style Aluminum Gutter End Cap For Kynar 500® Finish, Add	2.72 0.30	
07 71 23 00-0022	EA		6", K-Style Aluminum Gutter End Cap For Kynar 500® Finish, Add	3.25 0.54	
07 71 23 00-0023	EA		7", K-Style Aluminum Gutter End Cap For Kynar 500® Finish, Add	6.51 2.00	
07 71 23 00-0024	EA		8", K-Style Aluminum Gutter End Cap For Kynar 500® Finish, Add	7.51 2.45	
07 71 23 00-0025			Half Round, Aluminum Gutter End Caps (07 71 23 00-0019)		
07 71 23 00-0026	EA		5", Half Round Aluminum Gutter End Cap For Kynar 500® Finish, Add	4.09 0.91	
07 71 23 00-0027	EA		6", Half Round Aluminum Gutter End Cap For Kynar 500® Finish, Add	6.07 1.80	
07 71 23 00-0028			Box Style, Aluminum Gutter End Caps (07 71 23 00-0019)		
07 71 23 00-0029	EA		6", Box Style Aluminum Gutter End Cap For Kynar 500® Finish, Add	7.06 2.25	
07 71 23 00-0030	EA		7", Box Style Aluminum Gutter End Cap For Kynar 500® Finish, Add	7.63 2.51	
07 71 23 00-0031	EA		8", Box Style Aluminum Gutter End Cap For Kynar 500® Finish, Add	8.88 3.07	
07 71 23 00-0032			Aluminum Gutter Miters (07 71 23 00-0001)		
			Note: Inside or outside miters.		
07 71 23 00-0033			K-Style, Aluminum Gutter Miters (07 71 23 00-0032)		
07 71 23 00-0034	EA		5", K-Style Aluminum Gutter Miter For Kynar 500® Finish, Add	8.82 2.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0035 EA 6", K-Style Aluminum Gutter Miter <i>For Kynar 500® Finish, Add</i>	12.63 4.06	
07 71 23 00-0036 EA 7", K-Style Aluminum Gutter Miter <i>For Kynar 500® Finish, Add</i>	47.04 19.54	
07 71 23 00-0037 EA 8", K-Style Aluminum Gutter Miter <i>For Kynar 500® Finish, Add</i>	50.90 21.28	
07 71 23 00-0038 Half Round, Aluminum Gutter Miters (07 71 23 00-0032)		
07 71 23 00-0039 EA 5", Half Round Aluminum Gutter Miter <i>For Kynar 500® Finish, Add</i>	18.39 6.65	
07 71 23 00-0040 EA 6", Half Round Aluminum Gutter Miter <i>For Kynar 500® Finish, Add</i>	30.84 12.25	
07 71 23 00-0041 Box Style, Aluminum Gutter Miters (07 71 23 00-0032)		
07 71 23 00-0042 EA 6", Box Style Aluminum Gutter Miter <i>For Kynar 500® Finish, Add</i>	37.64 15.31	
07 71 23 00-0043 EA 7", Box Style Aluminum Gutter Miter <i>For Kynar 500® Finish, Add</i>	57.90 24.43	
07 71 23 00-0044 EA 8", Box Style Aluminum Gutter Miter <i>For Kynar 500® Finish, Add</i>	62.72 26.60	
07 71 23 00-0045 Aluminum Gutter Wire Strainers (07 71 23 00-0001)		
07 71 23 00-0046 EA 3" Diameter, Round Aluminum Wire Strainer <i>For Kynar 500® Finish, Add</i> <i>For 0.024" Thick, Add</i> <i>For 0.027" Thick, Add</i> <i>For 0.031" Thick, Add</i>	10.49 2.30 0.72 1.48 2.15	2.58
07 71 23 00-0047 EA 4" Diameter, Round Aluminum Wire Strainer <i>For Kynar 500® Finish, Add</i> <i>For 0.024" Thick, Add</i> <i>For 0.027" Thick, Add</i> <i>For 0.031" Thick, Add</i>	14.79 4.23 1.32 2.73 3.95	2.58
07 71 23 00-0048 Aluminum Downspouts (07 71 23 00-0001) Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0049 Round Aluminum Downspouts (07 71 23 00-0048)		
07 71 23 00-0050 LF 3" Diameter, 0.019" Thick, Round Aluminum Downspout <i>For Kynar 500® Finish, Add</i> <i>For 0.024" Thick, Add</i> <i>For 0.027" Thick, Add</i> <i>For 0.031" Thick, Add</i>	5.28 1.17 0.36 0.75 1.09	2.47
07 71 23 00-0051 LF 4" Diameter, 0.019" Thick, Round Aluminum Downspout <i>For Kynar 500® Finish, Add</i> <i>For 0.024" Thick, Add</i> <i>For 0.027" Thick, Add</i> <i>For 0.031" Thick, Add</i>	5.89 1.44 0.45 0.93 1.35	2.47
07 71 23 00-0052 Rectangular Aluminum Downspouts (07 71 23 00-0048)		
07 71 23 00-0053 LF 2" x 3", 0.019" Thick, Rectangular Aluminum Downspout <i>For Kynar 500® Finish, Add</i> <i>For 0.024" Thick, Add</i> <i>For 0.027" Thick, Add</i> <i>For 0.031" Thick, Add</i>	4.01 0.60 0.19 0.39 0.56	2.47
07 71 23 00-0054 LF 3" x 4", 0.019" Thick, Rectangular Aluminum Downspout <i>For Kynar 500® Finish, Add</i> <i>For 0.024" Thick, Add</i> <i>For 0.027" Thick, Add</i> <i>For 0.031" Thick, Add</i>	4.79 0.95 0.30 0.61 0.89	2.47
07 71 23 00-0055 LF 4" x 5", 0.019" Thick, Rectangular Aluminum Downspout <i>For Kynar 500® Finish, Add</i> <i>For 0.024" Thick, Add</i> <i>For 0.027" Thick, Add</i> <i>For 0.031" Thick, Add</i>	8.05 2.42 0.75 1.56 2.26	2.47
07 71 23 00-0056 Aluminum Devices (07 71 23 00-0001)		
07 71 23 00-0057 EA Thru-Wall Aluminum Scupper Outlet <i>For Kynar 500® Finish, Add</i>	152.93 38.94	19.91
07 71 23 00-0058 EA Aluminum Leader/Conductor Head <i>For Kynar 500® Finish, Add</i>	157.38 50.90	22.13
07 71 23 00-0059 Copper Gutters And Downspouts (07 71 23)		
07 71 23 00-0060 Copper Gutters (07 71 23 00-0059) Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0061 K-Style Copper Gutters (07 71 23 00-0060)		

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 71	Roof Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0062	LF		4", 16 Ounce, K-Style Copper Gutter.....	13.16	2.58
07 71 23 00-0063	LF		5", 16 Ounce, K-Style Copper Gutter.....	18.69	2.58
07 71 23 00-0064	LF		6", 16 Ounce, K-Style Copper Gutter.....	22.23	2.58
07 71 23 00-0065	LF		5", 20 Ounce, K-Style Copper Gutter.....	23.87	2.58
07 71 23 00-0066	LF		6", 20 Ounce, K-Style Copper Gutter.....	29.56	2.58
07 71 23 00-0067	LF		7", 20 Ounce, K-Style Copper Gutter.....	34.21	2.58
07 71 23 00-0068	LF		8", 20 Ounce, K-Style Copper Gutter.....	37.63	2.58
07 71 23 00-0069			Half Round Copper Gutters (07 71 23 00-0060)		
07 71 23 00-0070	LF		5", 16 Ounce, Half Round Copper Gutter.....	16.00	2.58
07 71 23 00-0071	LF		6", 16 Ounce, Half Round Copper Gutter.....	20.22	2.58
07 71 23 00-0072	LF		7", 16 Ounce, Half Round Copper Gutter.....	34.28	2.58
07 71 23 00-0073	LF		5", 20 Ounce, Half Round Copper Gutter.....	18.83	2.58
07 71 23 00-0074	LF		6", 20 Ounce, Half Round Copper Gutter.....	23.22	2.58
07 71 23 00-0075	LF		7", 20 Ounce, Half Round Copper Gutter.....	36.11	2.58
07 71 23 00-0076	LF		8", 20 Ounce, Half Round Copper Gutter.....	40.65	2.58
07 71 23 00-0077			Copper Gutter End Caps (07 71 23 00-0059)		
07 71 23 00-0078			K-Style, Copper Gutter End Caps (07 71 23 00-0077)		
07 71 23 00-0079	EA		4", K-Style Copper Gutter End Cap	5.12	
07 71 23 00-0080	EA		5", K-Style Copper Gutter End Cap	5.45	
07 71 23 00-0081	EA		6", K-Style Copper Gutter End Cap	5.79	
07 71 23 00-0082	EA		7", K-Style Copper Gutter End Cap	14.83	
07 71 23 00-0083	EA		8", K-Style Copper Gutter End Cap	18.00	
07 71 23 00-0084			Half Round, Copper Gutter End Caps (07 71 23 00-0077)		
07 71 23 00-0085	EA		4", Half Round Copper Gutter End Cap	6.12	
07 71 23 00-0086	EA		5", Half Round Copper Gutter End Cap	6.83	
07 71 23 00-0087	EA		6", Half Round Copper Gutter End Cap	10.14	
07 71 23 00-0088	EA		7", Half Round Copper Gutter End Cap	29.83	
07 71 23 00-0089	EA		8", Half Round Copper Gutter End Cap	35.17	
07 71 23 00-0090			Copper Gutter Miters (07 71 23 00-0059)		
			Note: Inside or outside miters.		
07 71 23 00-0091			K-Style, Copper Gutter Miters (07 71 23 00-0090)		
07 71 23 00-0092	EA		4", K-Style Copper Gutter Miter	26.26	
07 71 23 00-0093	EA		5", K-Style Copper Gutter Miter	29.74	
07 71 23 00-0094	EA		6", K-Style Copper Gutter Miter	44.43	
07 71 23 00-0095	EA		7", K-Style Copper Gutter Miter	64.61	
07 71 23 00-0096	EA		8", K-Style Copper Gutter Miter	76.19	
07 71 23 00-0097			Half Round, Copper Gutter Miters (07 71 23 00-0090)		
07 71 23 00-0098	EA		4", Half Round Copper Gutter Miter	43.52	
07 71 23 00-0099	EA		5", Half Round Copper Gutter Miter	39.30	
07 71 23 00-0100	EA		6", Half Round Copper Gutter Miter	58.26	
07 71 23 00-0101	EA		7", Half Round Copper Gutter Miter	69.98	
07 71 23 00-0102	EA		8", Half Round Copper Gutter Miter	83.15	
07 71 23 00-0103			Copper Gutter Wire Strainers (07 71 23 00-0059)		
07 71 23 00-0104	EA		2" Diameter, Round Copper Wire Strainer	13.11	2.58
07 71 23 00-0105	EA		3" Diameter, Round Copper Wire Strainer	15.65	2.58
07 71 23 00-0106	EA		4" Diameter, Round Copper Wire Strainer	23.93	2.58
07 71 23 00-0107	EA		5" Diameter, Round Copper Wire Strainer	31.15	2.58
07 71 23 00-0108	EA		6" Diameter, Round Copper Wire Strainer	37.20	2.58
07 71 23 00-0109			Copper Downspouts (07 71 23 00-0059)		
			Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0110			Round Copper Downspouts (07 71 23 00-0109)		
07 71 23 00-0111	LF		2" Diameter, 16 Ounce, Round Copper Downspout	20.18	2.47
07 71 23 00-0112	LF		3" Diameter, 16 Ounce, Round Copper Downspout	14.21	2.47
07 71 23 00-0113	LF		4" Diameter, 16 Ounce, Round Copper Downspout	17.78	2.47
07 71 23 00-0114	LF		5" Diameter, 16 Ounce, Round Copper Downspout	28.11	2.47
07 71 23 00-0115	LF		6" Diameter, 16 Ounce, Round Copper Downspout	36.00	2.47
07 71 23 00-0116	LF		3" Diameter, 20 Ounce, Round Copper Downspout	19.04	2.47
07 71 23 00-0117	LF		4" Diameter, 20 Ounce, Round Copper Downspout	24.56	2.47
07 71 23 00-0118	LF		5" Diameter, 20 Ounce, Round Copper Downspout	37.08	2.47
07 71 23 00-0119			Square Copper Downspouts (07 71 23 00-0109)		
07 71 23 00-0120	LF		3" Diameter, 16 Ounce, Square Copper Downspout	9.99	2.47
07 71 23 00-0121	LF		4" Diameter, 16 Ounce, Square Copper Downspout	12.36	2.47



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0122 LF 5" Diameter, 16 Ounce, Square Copper Downspout	17.48	2.47
07 71 23 00-0123 LF 3" Diameter, 20 Ounce, Square Copper Downspout	11.46	2.47
07 71 23 00-0124 LF 4" Diameter, 20 Ounce, Square Copper Downspout	14.42	2.47
07 71 23 00-0125 LF 5" Diameter, 20 Ounce, Square Copper Downspout	20.50	2.47
07 71 23 00-0126 Rectangular Copper Downspouts (07 71 23 00-0109)		
07 71 23 00-0127 LF 2" x 3", 16 Ounce, Rectangular Copper Downspout	14.57	2.47
07 71 23 00-0128 LF 3" x 4", 16 Ounce, Rectangular Copper Downspout	18.30	2.47
07 71 23 00-0129 LF 4" x 5", 16 Ounce, Rectangular Copper Downspout	25.82	2.47
07 71 23 00-0130 LF 2" x 3", 20 Ounce, Rectangular Copper Downspout	16.89	2.47
07 71 23 00-0131 LF 3" x 4", 20 Ounce, Rectangular Copper Downspout	21.52	2.47
07 71 23 00-0132 LF 4" x 5", 20 Ounce, Rectangular Copper Downspout	30.67	2.47
07 71 23 00-0133 Copper Devices And Accessories (07 71 23 00-0059)		
07 71 23 00-0134 EA Thru-Wall Copper Scupper Outlet.....	166.00	19.91
07 71 23 00-0135 EA Copper Leader/Conductor Head.....	233.88	22.13
07 71 23 00-0136 EA Copper Eave Box.....	108.42	15.48
07 71 23 00-0137 Galvanized Steel Gutters And Downspouts (07 71 23)		
07 71 23 00-0138 Galvanized Steel Gutters (07 71 23 00-0137)		
Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0139 K-Style Galvanized Steel Gutters (07 71 23 00-0138)		
07 71 23 00-0140 LF 5", 26 Gauge, K-Style Galvanized Steel Gutter	7.77	2.58
For Kynar 500® Finish, Add	1.56	
For 24 Gauge, Add	0.52	
07 71 23 00-0141 LF 6", 26 Gauge, K-Style Galvanized Steel Gutter	8.82	2.58
For Kynar 500® Finish, Add	2.03	
For 24 Gauge, Add	0.68	
07 71 23 00-0142 LF 7", 26 Gauge, K-Style Galvanized Steel Gutter	18.22	2.58
For Kynar 500® Finish, Add	6.26	
For 24 Gauge, Add	2.09	
07 71 23 00-0143 LF 8", 26 Gauge, K-Style Galvanized Steel Gutter	18.75	2.58
For Kynar 500® Finish, Add	6.50	
For 24 Gauge, Add	2.17	
07 71 23 00-0144 Half Round Galvanized Steel Gutters (07 71 23 00-0138)		
07 71 23 00-0145 LF 5", 26 Gauge, Half Round Galvanized Steel Gutter	11.35	2.58
For Kynar 500® Finish, Add	3.17	
For 24 Gauge, Add	1.06	
07 71 23 00-0146 LF 6", 26 Gauge, Half Round Galvanized Steel Gutter	14.10	2.58
For Kynar 500® Finish, Add	4.41	
For 24 Gauge, Add	1.47	
07 71 23 00-0147 LF 7", 26 Gauge, Half Round Galvanized Steel Gutter	35.51	2.58
For Kynar 500® Finish, Add	14.04	
For 24 Gauge, Add	4.68	
07 71 23 00-0148 LF 8", 26 Gauge, Half Round Galvanized Steel Gutter	37.43	2.58
For Kynar 500® Finish, Add	14.91	
For 24 Gauge, Add	4.97	
07 71 23 00-0149 Box Style Galvanized Steel Gutters (07 71 23 00-0138)		
07 71 23 00-0150 LF 5", 24 Gauge, Box Style Galvanized Steel Gutter	12.95	2.58
For Kynar 500® Finish, Add	3.89	
For 22 Gauge, Add	1.30	
07 71 23 00-0151 LF 6", 24 Gauge, Box Style Galvanized Steel Gutter	14.88	2.58
For Kynar 500® Finish, Add	4.76	
For 22 Gauge, Add	1.59	
07 71 23 00-0152 LF 7", 24 Gauge, Box Style Galvanized Steel Gutter	19.60	2.58
For Kynar 500® Finish, Add	6.89	
For 22 Gauge, Add	2.30	
07 71 23 00-0153 LF 8", 24 Gauge, Box Style Galvanized Steel Gutter	20.63	2.58
For Kynar 500® Finish, Add	7.35	
For 22 Gauge, Add	2.45	
07 71 23 00-0154 Galvanized Steel Gutter End Caps (07 71 23 00-0137)		
07 71 23 00-0155 K-Style, Galvanized Steel Gutter End Caps (07 71 23 00-0154)		
07 71 23 00-0156 EA 5", K-Style Galvanized Steel Gutter End Cap	4.14	
For Kynar 500® Finish, Add	0.94	
07 71 23 00-0157 EA 6", K-Style Galvanized Steel Gutter End Cap	4.68	
For Kynar 500® Finish, Add	1.18	
07 71 23 00-0158 EA 7", K-Style Galvanized Steel Gutter End Cap	9.53	
For Kynar 500® Finish, Add	3.36	
07 71 23 00-0159 EA 8", K-Style Galvanized Steel Gutter End Cap	13.58	
For Kynar 500® Finish, Add	5.18	

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 71	Roof Specialties



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT UNIT COST
DEMOLITION UNIT COST

07 71 23 00-0160	Half Round, Galvanized Steel Gutter End Caps (07 71 23 00-0154)		
07 71 23 00-0161	EA 5", Half Round Galvanized Steel Gutter End Cap.....	5.16	
	<i>For Kynar 500® Finish, Add</i>	1.40	
07 71 23 00-0162	EA 6", Half Round Galvanized Steel Gutter End Cap.....	5.86	
	<i>For Kynar 500® Finish, Add</i>	1.71	
07 71 23 00-0163	EA 7", Half Round Galvanized Steel Gutter End Cap.....	10.46	
	<i>For Kynar 500® Finish, Add</i>	3.78	
07 71 23 00-0164	EA 8", Half Round Galvanized Steel Gutter End Cap.....	13.95	
	<i>For Kynar 500® Finish, Add</i>	5.35	
07 71 23 00-0165	Box Style, Galvanized Steel Gutter End Caps (07 71 23 00-0154)		
07 71 23 00-0166	EA 5", Box Style Galvanized Steel Gutter End Cap.....	8.83	
	<i>For Kynar 500® Finish, Add</i>	3.05	
07 71 23 00-0167	EA 6", Box Style Galvanized Steel Gutter End Cap.....	10.53	
	<i>For Kynar 500® Finish, Add</i>	3.81	
07 71 23 00-0168	EA 7", Box Style Galvanized Steel Gutter End Cap.....	11.73	
	<i>For Kynar 500® Finish, Add</i>	4.35	
07 71 23 00-0169	EA 8", Box Style Galvanized Steel Gutter End Cap.....	15.53	
	<i>For Kynar 500® Finish, Add</i>	6.06	
07 71 23 00-0170	Galvanized Steel Gutter Miters (07 71 23 00-0137)		
	Note: Inside or outside miters.		
07 71 23 00-0171	K-Style, Galvanized Steel Gutter Miters (07 71 23 00-0170)		
07 71 23 00-0172	EA 5", K-Style Galvanized Steel Gutter Miter.....	17.68	
	<i>For Kynar 500® Finish, Add</i>	6.33	
07 71 23 00-0173	EA 6", K-Style Galvanized Steel Gutter Miter.....	30.54	
	<i>For Kynar 500® Finish, Add</i>	12.12	
07 71 23 00-0174	EA 7", K-Style Galvanized Steel Gutter Miter.....	50.97	
	<i>For Kynar 500® Finish, Add</i>	21.31	
07 71 23 00-0175	EA 8", K-Style Galvanized Steel Gutter Miter.....	57.31	
	<i>For Kynar 500® Finish, Add</i>	24.17	
07 71 23 00-0176	Half Round, Galvanized Steel Gutter Miters (07 71 23 00-0170)		
07 71 23 00-0177	EA 5", Half Round Galvanized Steel Gutter Miter.....	25.64	
	<i>For Kynar 500® Finish, Add</i>	9.91	
07 71 23 00-0178	EA 6", Half Round Galvanized Steel Gutter Miter.....	28.78	
	<i>For Kynar 500® Finish, Add</i>	11.33	
07 71 23 00-0179	EA 7", Half Round Galvanized Steel Gutter Miter.....	89.20	
	<i>For Kynar 500® Finish, Add</i>	38.52	
07 71 23 00-0180	EA 8", Half Round Galvanized Steel Gutter Miter.....	93.95	
	<i>For Kynar 500® Finish, Add</i>	40.65	
07 71 23 00-0181	Box Style, Galvanized Steel Gutter Miters (07 71 23 00-0170)		
07 71 23 00-0182	EA 5", Box Style Galvanized Steel Gutter Miter.....	24.05	
	<i>For Kynar 500® Finish, Add</i>	9.20	
07 71 23 00-0183	EA 6", Box Style Galvanized Steel Gutter Miter.....	41.07	
	<i>For Kynar 500® Finish, Add</i>	16.86	
07 71 23 00-0184	EA 7", Box Style Galvanized Steel Gutter Miter.....	54.14	
	<i>For Kynar 500® Finish, Add</i>	22.74	
07 71 23 00-0185	EA 8", Box Style Galvanized Steel Gutter Miter.....	57.31	
	<i>For Kynar 500® Finish, Add</i>	24.17	
07 71 23 00-0186	Galvanized Steel Gutter Wire Strainers (07 71 23 00-0137)		
07 71 23 00-0187	EA 3" Diameter, Round Galvanized Steel Wire Strainer.....	9.44	2.58
	<i>For Kynar 500® Finish, Add</i>	1.83	
07 71 23 00-0188	EA 4" Diameter, Round Galvanized Steel Wire Strainer.....	12.91	2.58
	<i>For Kynar 500® Finish, Add</i>	3.39	
07 71 23 00-0189	Galvanized Steel Downspouts (07 71 23 00-0137)		
	Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0190	Round Galvanized Steel Downspouts (07 71 23 00-0189)		
07 71 23 00-0191	LF 3" Diameter, 26 Gauge, Round Galvanized Steel Downspout.....	5.21	2.47
	<i>For Kynar 500® Finish, Add</i>	1.14	
	<i>For 24 Gauge, Add</i>	0.38	
07 71 23 00-0192	LF 4" Diameter, 26 Gauge, Round Galvanized Steel Downspout.....	6.29	2.47
	<i>For Kynar 500® Finish, Add</i>	1.62	
	<i>For 24 Gauge, Add</i>	0.54	
07 71 23 00-0193	LF 5" Diameter, 26 Gauge, Round Galvanized Steel Downspout.....	8.30	2.47
	<i>For Kynar 500® Finish, Add</i>	2.53	
	<i>For 24 Gauge, Add</i>	0.84	
07 71 23 00-0194	LF 6" Diameter, 26 Gauge, Round Galvanized Steel Downspout.....	17.55	2.47
	<i>For Kynar 500® Finish, Add</i>	6.69	
	<i>For 24 Gauge, Add</i>	2.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0195 Square Galvanized Steel Downspouts <small>(07 71 23 00-0189)</small>		
07 71 23 00-0196 LF 4" x 4", 26 Gauge, Square Galvanized Steel Downspout	5.82	2.47
For Kynar 500® Finish, Add	1.41	
For 24 Gauge, Add	0.47	
07 71 23 00-0197 LF 5" x 5", 26 Gauge, Square Galvanized Steel Downspout	7.24	2.47
For Kynar 500® Finish, Add	2.05	
For 24 Gauge, Add	0.68	
07 71 23 00-0198 Rectangular Galvanized Steel Downspouts <small>(07 71 23 00-0189)</small>		
07 71 23 00-0199 LF 2" x 3", 26 Gauge, Rectangular Galvanized Steel Downspout.....	5.29	2.47
For Kynar 500® Finish, Add	1.17	
For 24 Gauge, Add	0.39	
07 71 23 00-0200 LF 3" x 4", 26 Gauge, Rectangular Galvanized Steel Downspout.....	6.54	2.47
For Kynar 500® Finish, Add	1.74	
For 24 Gauge, Add	0.58	
07 71 23 00-0201 LF 4" x 5", 26 Gauge, Rectangular Galvanized Steel Downspout.....	11.51	2.47
For Kynar 500® Finish, Add	3.97	
For 24 Gauge, Add	1.32	
07 71 23 00-0202 Galvanized Steel Devices <small>(07 71 23 00-0137)</small>		
07 71 23 00-0203 EA Galvanized Steel Leader/Conductor Head	205.96	22.13
For Kynar 500® Finish, Add	72.77	
07 71 23 00-0204 EA Thru-Wall Galvanized Steel Scupper Outlet	119.54	19.91
For Kynar 500® Finish, Add	23.92	
07 71 23 00-0205 Stainless Steel Gutters And Downspouts <small>(07 71 23)</small>		
Note: AISI type 304 stainless steel.		
07 71 23 00-0206 Stainless Steel Gutters <small>(07 71 23 00-0205)</small>		
Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0207 K-Style, Stainless Steel Gutters <small>(07 71 23 00-0206)</small>		
07 71 23 00-0208 LF 5", 26 Gauge, K-Style Stainless Steel Gutter	18.47	2.58
For 24 Gauge, Add	2.55	
For 22 Gauge, Add	5.89	
For 20 Gauge, Add	8.30	
07 71 23 00-0209 LF 6", 26 Gauge, K-Style Stainless Steel Gutter	22.02	2.58
For 24 Gauge, Add	3.19	
For 22 Gauge, Add	7.37	
For 20 Gauge, Add	10.38	
07 71 23 00-0210 Half Round, Stainless Steel Gutters <small>(07 71 23 00-0206)</small>		
07 71 23 00-0211 LF 5", 26 Gauge, Half Round Stainless Steel Gutter	25.76	2.58
For 24 Gauge, Add	3.86	
For 22 Gauge, Add	8.93	
For 20 Gauge, Add	12.58	
07 71 23 00-0212 LF 6", 26 Gauge, Half Round Stainless Steel Gutter	31.08	2.58
For 24 Gauge, Add	4.82	
For 22 Gauge, Add	11.14	
For 20 Gauge, Add	15.69	
07 71 23 00-0213 Stainless Steel Gutter End Caps <small>(07 71 23 00-0205)</small>		
07 71 23 00-0214 K-Style, Stainless Steel Gutter End Caps <small>(07 71 23 00-0213)</small>		
07 71 23 00-0215 EA 5", K-Style Stainless Steel Gutter End Cap	6.49	
07 71 23 00-0216 EA 6", K-Style Stainless Steel Gutter End Cap	7.38	
07 71 23 00-0217 Half Round, Stainless Steel Gutter End Caps <small>(07 71 23 00-0213)</small>		
07 71 23 00-0218 EA 5", Half Round Stainless Steel Gutter End Cap	7.60	
07 71 23 00-0219 EA 6", Half Round Stainless Steel Gutter End Cap	8.71	
07 71 23 00-0220 Stainless Steel Gutter Miters <small>(07 71 23 00-0205)</small>		
Note: Inside or outside box miters.		
07 71 23 00-0221 K-Style, Stainless Steel Gutter Miters <small>(07 71 23 00-0220)</small>		
07 71 23 00-0222 EA 5", K-Style Stainless Steel Gutter Miter	26.52	
07 71 23 00-0223 EA 6", K-Style Stainless Steel Gutter Miter	44.25	
07 71 23 00-0224 Half Round, Stainless Steel Gutter Miters <small>(07 71 23 00-0220)</small>		
07 71 23 00-0225 EA 5", Half Round Stainless Steel Gutter Miter	70.85	
07 71 23 00-0226 EA 6", Half Round Stainless Steel Gutter Miter	87.07	
07 71 23 00-0227 Stainless Steel Gutter Wire Strainers <small>(07 71 23 00-0205)</small>		



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
07 71 23 00-0228	EA	3" Diameter, Round Stainless Steel Wire Strainer	27.25	2.58
07 71 23 00-0229	EA	4" Diameter, Round Stainless Steel Wire Strainer	27.85	2.58
07 71 23 00-0230 Stainless Steel Downspouts (07 71 23 00-0205)				
Note: Includes elbows, hangers and fasteners.				
07 71 23 00-0231 Round Stainless Steel Downspouts (07 71 23 00-0230)				
07 71 23 00-0232	LF	3" Diameter, 26 Gauge, Round Stainless Steel Downspout	11.84	2.47
		For 24 Gauge, Add	1.65	
		For 22 Gauge, Add	3.81	
		For 20 Gauge, Add	5.37	
07 71 23 00-0233	LF	4" Diameter, 26 Gauge, Round Stainless Steel Downspout	15.39	2.47
		For 24 Gauge, Add	2.29	
		For 22 Gauge, Add	5.29	
		For 20 Gauge, Add	7.45	
07 71 23 00-0234	LF	5" Diameter, 26 Gauge, Round Stainless Steel Downspout	22.10	2.47
		For 24 Gauge, Add	3.50	
		For 22 Gauge, Add	8.08	
		For 20 Gauge, Add	11.38	
07 71 23 00-0235 Rectangular Stainless Steel Downspouts (07 71 23 00-0230)				
07 71 23 00-0236	LF	2" x 3", 26 Gauge, Rectangular Stainless Steel Downspout	12.10	2.47
		For 24 Gauge, Add	1.70	
		For 22 Gauge, Add	3.92	
		For 20 Gauge, Add	5.52	
07 71 23 00-0237	LF	3" x 4", 26 Gauge, Rectangular Stainless Steel Downspout	15.92	2.47
		For 24 Gauge, Add	2.38	
		For 22 Gauge, Add	5.51	
		For 20 Gauge, Add	7.76	
07 71 23 00-0238	LF	4" x 5", 26 Gauge, Rectangular Stainless Steel Downspout	20.39	2.47
		For 24 Gauge, Add	3.19	
		For 22 Gauge, Add	7.37	
		For 20 Gauge, Add	10.38	
07 71 23 00-0239 Stainless Steel Devices (07 71 23 00-0205)				
07 71 23 00-0240	EA	Thru-Wall Stainless Steel Scupper Outlet	200.21	23.22
07 71 23 00-0241	EA	Stainless Steel Leader/Conductor Head	277.99	23.22
07 71 23 00-0242 Vinyl Gutters And Downspouts (07 71 23)				
07 71 23 00-0243 Vinyl Gutters (07 71 23 00-0242)				
Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.				
07 71 23 00-0244 K-Style Vinyl Gutters (07 71 23 00-0243)				
07 71 23 00-0245	LF	4", K-Style Vinyl Gutter	7.97	2.58
07 71 23 00-0246	LF	5", K-Style Vinyl Gutter	9.87	2.58
07 71 23 00-0247 Half Round Vinyl Gutters (07 71 23 00-0243)				
07 71 23 00-0248	LF	4", Half Round Vinyl Gutter	8.19	2.58
07 71 23 00-0249	LF	5", Half Round Vinyl Gutter	8.53	2.58
07 71 23 00-0250 Vinyl Gutter End Caps (07 71 23 00-0242)				
07 71 23 00-0251 K-Style, Vinyl Gutter End Caps (07 71 23 00-0250)				
07 71 23 00-0252	EA	4", K-Style Vinyl Gutter End Cap	4.72	
07 71 23 00-0253	EA	5", K-Style Vinyl Gutter End Cap	6.29	
07 71 23 00-0254 Half Round, Vinyl Gutter End Caps (07 71 23 00-0250)				
07 71 23 00-0255	EA	4", Half Round Vinyl Gutter End Cap	5.30	
07 71 23 00-0256	EA	5", Half Round Vinyl Gutter End Cap	5.04	
07 71 23 00-0257 Vinyl Gutter Miters (07 71 23 00-0242)				
Note: Inside or outside miters.				
07 71 23 00-0258 K-Style, Vinyl Gutter Miters (07 71 23 00-0257)				
07 71 23 00-0259	EA	4", K-Style Vinyl Gutter Miter	11.27	
07 71 23 00-0260	EA	5", K-Style Vinyl Gutter Miter	16.34	
07 71 23 00-0261 Half Round, Vinyl Gutter Miters (07 71 23 00-0257)				
07 71 23 00-0262	EA	4", Half Round Vinyl Gutter Miter	11.27	
07 71 23 00-0263	EA	5", Half Round Vinyl Gutter Miter	12.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0264 Vinyl Downspouts <small>(07 71 23 00-0242)</small> Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0265 Round Vinyl Downspouts <small>(07 71 23 00-0264)</small>		
07 71 23 00-0266 LF 2-1/2" Diameter, Round Vinyl Downspout.....	5.19	2.47
07 71 23 00-0267 LF 3" Diameter, Round Vinyl Downspout.....	5.37	2.47
07 71 23 00-0268 Square Vinyl Downspouts <small>(07 71 23 00-0264)</small>		
07 71 23 00-0269 LF 2-1/2", Square Vinyl Downspout	5.11	2.47
07 71 23 00-0270 Rectangular Vinyl Downspouts <small>(07 71 23 00-0264)</small>		
07 71 23 00-0271 LF 2" x 3", Rectangular Vinyl Downspout	6.30	2.47
07 71 23 00-0272 Gutter And Downspout Boots <small>(07 71 23)</small>		
07 71 23 00-0273 Cast Iron Roof Drainage Downspout Boots <small>(07 71 23 00-0272)</small>		
07 71 23 00-0274 EA 2" x 3" x 18" Long, Cast Iron Roof Drainage Downspout Boot.....	187.53	3.72
07 71 23 00-0275 EA 3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot.....	244.15	3.72
07 71 23 00-0276 EA 4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot.....	291.23	3.72
07 71 23 00-0277 Cast Iron Roof Drainage Downspout Boots With Cleanouts <small>(07 71 23 00-0272)</small>		
07 71 23 00-0278 EA 3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	323.60	3.72
07 71 23 00-0279 EA 4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	395.11	3.72
07 71 23 00-0280 EA 5" x 7" x 30" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	716.28	3.72
07 71 23 00-0281 Wall Mounted Downspout Covers With Hinged Perforated Cover <small>(07 71 23)</small>		
07 71 23 00-0282 EA 3" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-03).....	658.06	23.75
For Polished Brass Finish (-PB), Add	61.06	
For Chrome Plated Finish (-CP), Add	91.58	
For Vandal Proof (-U), Add	30.53	
07 71 23 00-0283 EA 4" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-04).....	673.89	31.66
For Polished Brass Finish (-PB), Add	61.06	
For Chrome Plated Finish (-CP), Add	91.58	
For Vandal Proof (-U), Add	30.53	
07 71 23 00-0284 EA 6" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-06).....	726.98	41.07
For Polished Brass Finish (-PB), Add	64.48	
For Chrome Plated Finish (-CP), Add	96.73	
For Vandal Proof (-U), Add	32.24	
07 71 23 00-0285 EA 8" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-08).....	779.58	51.85
For Polished Brass Finish (-PB), Add	67.59	
For Chrome Plated Finish (-CP), Add	101.38	
For Vandal Proof (-U), Add	33.79	
07 71 23 00-0286 EA 10" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-10).....	842.96	63.89
For Polished Brass Finish (-PB), Add	71.52	
For Chrome Plated Finish (-CP), Add	107.28	
For Vandal Proof (-U), Add	35.76	
07 71 23 00-0287 EA 12" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-12).....	937.00	89.20
For Polished Brass Finish (-PB), Add	75.86	
For Chrome Plated Finish (-CP), Add	113.79	
For Vandal Proof (-U), Add	37.93	
07 71 23 00-0288 EA 15" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-15).....	1,049.55	124.04
For Polished Brass Finish (-PB), Add	80.15	
For Chrome Plated Finish (-CP), Add	120.22	
For Vandal Proof (-U), Add	40.07	
07 71 23 00-0289 Wall Mounted Downspout Nozzle <small>(07 71 23)</small>		
07 71 23 00-0290 EA 3" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-03).....	179.31	23.75
For Nickel Bronze Finish (-NB), Add	92.27	
For Polished Bronze Finish (-PB), Add	72.50	
For Chrome Plated Finish (-CP), Add	117.31	
07 71 23 00-0291 EA 4" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-04).....	195.14	31.66
For Nickel Bronze Finish (-NB), Add	92.27	
For Polished Bronze Finish (-PB), Add	72.50	
For Chrome Plated Finish (-CP), Add	117.31	
07 71 23 00-0292 EA 6" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-06).....	394.81	41.07
For Nickel Bronze Finish (-NB), Add	93.80	
For Polished Bronze Finish (-PB), Add	53.15	
For Chrome Plated Finish (-CP), Add	137.57	
07 71 23 00-0293 EA 8" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-08).....	578.33	51.85
For Nickel Bronze Finish (-NB), Add	80.69	
For Polished Bronze Finish (-PB), Add	61.70	
For Chrome Plated Finish (-CP), Add	137.64	
07 71 23 00-0294 EA 10" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-10).....	743.96	63.89
For Nickel Bronze Finish (-NB), Add	104.75	
For Polished Bronze Finish (-PB), Add	80.10	
For Chrome Plated Finish (-CP), Add	178.69	

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 71	Roof Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0295 EA 12" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-12)	953.55	89.20
<i>For Nickel Bronze Finish (-NB), Add</i>	131.78	
<i>For Polished Bronze Finish (-PB), Add</i>	100.77	
<i>For Chrome Plated Finish (-CP), Add</i>	224.80	
07 71 23 00-0296 Leaf Guards And Cleaning (07 71 23)		
07 71 23 00-0297 LF Aluminum Mesh Gutter Leaf Guard	2.59	0.77
07 71 23 00-0298 LF Vinyl Mesh Gutter Leaf Guard.....	2.20	0.77
07 71 23 00-0299 LF 6" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire	11.83	0.96
07 71 23 00-0300 LF 9" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire	16.79	0.96
07 71 23 00-0301 LF 6" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh	9.02	0.96
07 71 23 00-0302 LF 9" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh	13.77	0.96
07 71 23 00-0303 EA Cleanout Roof Drain	118.91	
Note: Includes removing dome and flushing.		
07 71 23 00-0304 LF Clean Gutters And Downspouts.....	1.51	
07 71 26 Reglets (07 71)		
07 71 26 00-0001 Counter Flashing With Reglet (07 71 26)		
Note: Includes reglet cut.		
07 71 26 00-0002 Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0001)		
07 71 26 00-0003 Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0002)		
07 71 26 00-0004 LF 28 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	11.88	3.93
07 71 26 00-0005 LF 26 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	11.99	3.93
07 71 26 00-0006 LF 24 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	12.18	3.93
07 71 26 00-0007 LF 22 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	12.90	3.93
07 71 26 00-0008 LF 20 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	13.31	3.93
07 71 26 00-0009 LF 18 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	13.79	3.93
07 71 26 00-0010 KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0002)		
07 71 26 00-0011 LF 28 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	13.67	3.93
07 71 26 00-0012 LF 26 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	13.83	3.93
07 71 26 00-0013 LF 24 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	14.11	3.93
07 71 26 00-0014 LF 22 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	15.16	3.93
07 71 26 00-0015 LF 20 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	15.76	3.93
07 71 26 00-0016 LF 18 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	16.45	3.93
07 71 26 00-0017 Aluminum Counter Flashing With Reglet (07 71 26 00-0001)		
07 71 26 00-0018 KYNAR 500® Finish, Aluminum Counter Flashing With Reglet (07 71 26 00-0017)		
07 71 26 00-0019 LF 0.019" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	12.11	3.93
07 71 26 00-0020 LF 0.025" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	12.78	3.93
07 71 26 00-0021 LF 0.032" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	13.45	3.93
07 71 26 00-0022 LF 0.040" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	13.93	3.93
07 71 26 00-0023 LF 0.050" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	15.01	3.93
07 71 26 00-0024 LF 0.063" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	16.57	3.93
07 71 26 00-0025 Mill Finish, Aluminum Counter Flashing With Reglet (07 71 26 00-0017)		
07 71 26 00-0026 LF 0.019" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	10.58	3.93
07 71 26 00-0027 LF 0.025" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	11.01	3.93
07 71 26 00-0028 LF 0.032" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	11.44	3.93
07 71 26 00-0029 LF 0.040" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	11.74	3.93
07 71 26 00-0030 LF 0.050" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	12.43	3.93
07 71 26 00-0031 LF 0.063" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	13.43	3.93
07 71 26 00-0032 Clear Anodized Finish, Aluminum Counter Flashing With Reglet (07 71 26 00-0017)		
07 71 26 00-0033 LF 0.019" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	11.80	3.93
07 71 26 00-0034 LF 0.025" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	12.42	3.93
07 71 26 00-0035 LF 0.032" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	13.04	3.93
07 71 26 00-0036 LF 0.040" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	13.48	3.93
07 71 26 00-0037 LF 0.050" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	14.48	3.93
07 71 26 00-0038 LF 0.063" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	15.92	3.93
07 71 26 00-0039 Stainless Steel Counter Flashing With Reglet (07 71 26 00-0001)		
07 71 26 00-0040 Stainless Steel Counter Flashing With Reglet (07 71 26 00-0039)		
07 71 26 00-0041 LF 24 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet.....	14.53	3.93
07 71 26 00-0042 LF 20 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet.....	15.71	3.93
07 71 26 00-0043 Copper Counter Flashing With Reglet (07 71 26 00-0001)		

07 Thermal And Moisture Protection
07 70 Roof And Wall Specialties And Accessories
07 72 Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0016	EA		38" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	527.13 41.92 94.64 17.40 89.61 118.01	107.91
07 72 13 00-0017	EA		50" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	409.78 32.15 73.13 63.92 116.00 129.02	88.29
07 72 13 00-0018	EA		50" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	444.78 34.67 79.15 76.94 125.47 149.15	98.10
07 72 13 00-0019	EA		50" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	457.80 35.97 81.75 91.14 132.57 172.82	98.10
07 72 13 00-0020	EA		50" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	502.28 39.44 89.67 106.53 159.80 197.68	107.91
07 72 13 00-0021	EA		51" x 99" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	536.11 41.84 95.45 18.29 84.58 114.17	117.72
07 72 13 00-0022	EA		51" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	579.39 45.19 103.13 146.78 221.35 261.60	127.54
07 72 13 00-0023	EA		62" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	457.80 35.97 81.75 14.56 53.62 98.60	98.10
07 72 13 00-0024	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	489.25 38.13 87.06 111.27 169.27 205.96	107.91
07 72 13 00-0025	EA		62" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	534.93 41.72 95.21 144.41 202.41 236.74	117.72
07 72 13 00-0026	EA		62" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	546.76 42.90 97.58 21.66 79.66 138.85	117.72
07 72 13 00-0027	EA		62" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	592.41 46.49 105.73 182.29 241.47 317.23	127.54
07 72 13 00-0028			12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0003)		
07 72 13 00-0029	EA		26" x 26" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	339.25 26.08 60.00 26.04 50.90 63.92	78.49

07 Thermal And Moisture Protection

07 70 Roof And Wall Specialties And Accessories

07 72 Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0044	EA		50" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	521.21 41.33 93.45 106.53 159.80 197.68	107.91
07 72 13 00-0045	EA		51" x 99" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	558.60 44.09 99.95 18.29 84.58 114.17	117.72
07 72 13 00-0046	EA		51" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	605.44 47.79 108.34 146.78 221.35 261.60	127.54
07 72 13 00-0047	EA		62" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	475.55 37.75 85.30 14.56 53.62 98.60	98.10
07 72 13 00-0048	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	508.19 40.03 90.85 111.27 169.27 205.96	107.91
07 72 13 00-0049	EA		62" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	555.05 43.73 99.24 144.41 202.41 236.74	117.72
07 72 13 00-0050	EA		62" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	570.44 45.27 102.32 21.66 79.66 138.85	117.72
07 72 13 00-0051	EA		62" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	618.46 49.09 110.94 182.29 241.47 317.23	127.54
07 72 13 00-0052			14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0003)</small>		
07 72 13 00-0053	EA		26" x 26" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	347.54 26.91 61.66 26.04 50.90 63.92	78.49
07 72 13 00-0054	EA		26" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	351.09 27.26 62.37 31.96 65.10 76.94	78.49
07 72 13 00-0055	EA		26" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	371.90 28.36 65.55 39.06 80.49 88.78	88.29
07 72 13 00-0056	EA		26" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	406.23 31.79 72.42 52.08 105.35 113.64	88.29
07 72 13 00-0057	EA		26" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	432.27 34.40 77.62 10.83 68.83 75.93	88.29



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0058 EA 26" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	532.37	98.10
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	43.43	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	96.66	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	86.41	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	139.68	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	162.17	
07 72 13 00-0059 EA 38" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	351.09	78.49
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	27.26	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	62.37	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	6.21	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	53.56	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	74.87	
07 72 13 00-0060 EA 38" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	371.90	88.29
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	28.36	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	65.55	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	49.72	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	99.43	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	119.55	
07 72 13 00-0061 EA 38" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	432.27	88.29
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	34.40	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	77.62	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	61.55	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	113.64	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	130.21	
07 72 13 00-0062 EA 38" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	460.68	88.29
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	37.24	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	83.31	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.01	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.83	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	83.21	
07 72 13 00-0063 EA 38" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	515.80	98.10
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	41.77	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	93.35	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.20	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	76.94	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	100.61	
07 72 13 00-0064 EA 38" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	566.20	107.91
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	45.83	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	102.45	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	17.40	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	89.61	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	118.01	
07 72 13 00-0065 EA 50" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	433.45	88.29
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	34.52	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	77.86	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	63.92	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	116.00	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	129.02	
07 72 13 00-0066 EA 50" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	469.63	98.10
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	37.15	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	84.12	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	76.94	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	125.47	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	149.15	
07 72 13 00-0067 EA 50" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	487.39	98.10
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	38.93	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	87.67	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	91.14	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	132.57	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	172.82	
07 72 13 00-0068 EA 50" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	535.42	107.91
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	42.75	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	96.29	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	106.53	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	159.80	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	197.68	
07 72 13 00-0069 EA 51" x 99" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	572.80	117.72
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	45.51	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	102.79	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.29	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	84.58	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	114.17	
07 72 13 00-0070 EA 51" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	622.01	127.54
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	49.45	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	111.65	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	146.78	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	221.35	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	261.60	
07 72 13 00-0071 EA 62" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	487.39	98.10
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	38.93	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	87.67	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.56	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	53.62	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	98.60	

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0072	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	521.21	107.91
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	41.33	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	93.45	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	111.27	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	169.27	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	205.96	
07 72 13 00-0073	EA		62" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	570.44	117.72
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	45.27	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	102.32	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	144.41	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	202.41	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	236.74	
07 72 13 00-0074	EA		62" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	585.83	117.72
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	46.81	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	105.39	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	21.66	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	79.66	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	138.85	
07 72 13 00-0075	EA		62" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	636.21	127.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	50.87	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	114.49	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	182.29	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	241.47	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	317.23	
07 72 13 00-0076			14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0002)		
07 72 13 00-0077			9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0076)		
07 72 13 00-0078	EA		26" x 26" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	310.84	78.49
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	23.24	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	54.32	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	26.04	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	50.90	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	63.92	
07 72 13 00-0079	EA		26" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	326.23	78.49
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	24.78	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	57.40	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	31.96	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	65.10	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	76.94	
07 72 13 00-0080	EA		26" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	375.45	88.29
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	28.72	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	66.26	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	39.06	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	80.49	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	88.78	
07 72 13 00-0081	EA		26" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	410.96	88.29
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	32.27	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	73.36	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	52.08	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	105.35	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	113.64	
07 72 13 00-0082	EA		26" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	437.00	88.29
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	34.87	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	78.57	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	10.83	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	68.83	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	75.93	
07 72 13 00-0083	EA		26" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	551.31	98.10
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	45.32	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	100.45	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	86.41	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	139.68	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	162.17	
07 72 13 00-0084	EA		38" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	354.64	78.49
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	27.62	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	63.08	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	6.21	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	53.56	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	74.87	
07 72 13 00-0085	EA		38" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	384.92	88.29
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	29.66	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	68.15	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	49.72	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	99.43	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	119.55	
07 72 13 00-0086	EA		38" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	396.76	88.29
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	30.85	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	70.52	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	61.55	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	113.64	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	130.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0087 EA 38" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	407.41	88.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	31.91	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	72.65	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	11.01	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	67.83	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	83.21	
07 72 13 00-0088 EA 38" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	522.90	98.10
For Sloped Roofs Up To 1 In 12 Pitch, Add	42.48	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	94.77	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	14.20	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	76.94	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	100.61	
07 72 13 00-0089 EA 38" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	574.48	107.91
For Sloped Roofs Up To 1 In 12 Pitch, Add	46.66	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	104.11	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	17.40	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	89.61	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	118.01	
07 72 13 00-0090 EA 50" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	438.19	88.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	34.99	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	78.81	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	63.92	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	116.00	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	129.02	
07 72 13 00-0091 EA 50" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	474.37	98.10
For Sloped Roofs Up To 1 In 12 Pitch, Add	37.63	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	85.06	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	76.94	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	125.47	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	149.15	
07 72 13 00-0092 EA 50" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	493.31	98.10
For Sloped Roofs Up To 1 In 12 Pitch, Add	39.52	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	88.85	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	91.14	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	132.57	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	172.82	
07 72 13 00-0093 EA 50" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	542.52	107.91
For Sloped Roofs Up To 1 In 12 Pitch, Add	43.46	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	97.71	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	106.53	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	159.80	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	197.68	
07 72 13 00-0094 EA 51" x 99" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	579.91	117.72
For Sloped Roofs Up To 1 In 12 Pitch, Add	46.22	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	104.21	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.29	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	84.58	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	114.17	
07 72 13 00-0095 EA 51" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	630.29	127.54
For Sloped Roofs Up To 1 In 12 Pitch, Add	50.28	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	113.31	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	146.78	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	221.35	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	261.60	
07 72 13 00-0096 EA 62" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	493.31	98.10
For Sloped Roofs Up To 1 In 12 Pitch, Add	39.52	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	88.85	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	14.56	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	53.62	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	98.60	
07 72 13 00-0097 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	527.13	107.91
For Sloped Roofs Up To 1 In 12 Pitch, Add	41.92	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	94.64	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	111.27	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	169.27	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	205.96	
07 72 13 00-0098 EA 62" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	577.54	117.72
For Sloped Roofs Up To 1 In 12 Pitch, Add	45.98	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	103.74	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	144.41	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	202.41	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	236.74	
07 72 13 00-0099 EA 62" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	594.11	117.72
For Sloped Roofs Up To 1 In 12 Pitch, Add	47.64	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	107.05	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	21.66	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	79.66	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	138.85	
07 72 13 00-0100 EA 62" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	645.68	127.54
For Sloped Roofs Up To 1 In 12 Pitch, Add	51.82	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	116.38	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	182.29	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	241.47	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	317.23	

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0101 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs <i>(07 72 13 00-0076)</i>		
07 72 13 00-0102 EA 26" x 26" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	321.49	78.49
For Sloped Roofs Up To 1 In 12 Pitch, Add	24.30	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	56.45	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	26.04	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	50.90	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	63.92	
07 72 13 00-0103 EA 26" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	339.25	78.49
For Sloped Roofs Up To 1 In 12 Pitch, Add	26.08	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	60.00	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	31.96	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	65.10	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	76.94	
07 72 13 00-0104 EA 26" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	393.21	88.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	30.49	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	69.81	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	39.06	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	80.49	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	88.78	
07 72 13 00-0105 EA 26" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	432.27	88.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	34.40	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	77.62	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	52.08	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	105.35	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	113.64	
07 72 13 00-0106 EA 26" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	464.23	88.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	37.59	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	84.02	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	10.83	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	68.83	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	75.93	
07 72 13 00-0107 EA 26" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	556.04	98.10
For Sloped Roofs Up To 1 In 12 Pitch, Add	45.79	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	101.40	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	86.41	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	139.68	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	162.17	
07 72 13 00-0108 EA 38" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	370.03	78.49
For Sloped Roofs Up To 1 In 12 Pitch, Add	29.16	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	66.16	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	6.21	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	53.56	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	74.87	
07 72 13 00-0109 EA 38" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	403.86	88.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	31.56	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	71.94	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	49.72	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	99.43	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	119.55	
07 72 13 00-0110 EA 38" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	419.25	88.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	33.10	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	75.02	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	61.55	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	113.64	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	130.21	
07 72 13 00-0111 EA 38" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	433.45	88.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	34.52	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	77.86	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	11.01	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	67.83	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	83.21	
07 72 13 00-0112 EA 38" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	551.31	98.10
For Sloped Roofs Up To 1 In 12 Pitch, Add	45.32	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	100.45	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	14.20	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	76.94	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	100.61	
07 72 13 00-0113 EA 38" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	608.81	107.91
For Sloped Roofs Up To 1 In 12 Pitch, Add	50.09	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	110.97	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	17.40	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	89.61	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	118.01	
07 72 13 00-0114 EA 50" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	459.49	88.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	37.12	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	83.07	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	63.92	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	116.00	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	129.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0115 EA 50" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	498.04	98.10
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	39.99	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	89.80	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	76.94	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	125.47	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	149.15	
07 72 13 00-0116 EA 50" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	520.53	98.10
For Sloped Roofs Up To 1 In 12 Pitch, Add	42.24	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	94.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	91.14	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	132.57	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	172.82	
07 72 13 00-0117 EA 50" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	570.93	107.91
For Sloped Roofs Up To 1 In 12 Pitch, Add	46.30	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	103.40	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	106.53	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	159.80	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	197.68	
07 72 13 00-0118 EA 51" x 99" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	613.05	117.72
For Sloped Roofs Up To 1 In 12 Pitch, Add	49.53	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	110.84	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.29	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	84.58	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	114.17	
07 72 13 00-0119 EA 51" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	668.17	127.54
For Sloped Roofs Up To 1 In 12 Pitch, Add	54.06	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	120.88	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	146.78	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	221.35	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	261.60	
07 72 13 00-0120 EA 62" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	520.53	98.10
For Sloped Roofs Up To 1 In 12 Pitch, Add	42.24	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	94.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	14.56	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	53.62	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	98.60	
07 72 13 00-0121 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	557.91	107.91
For Sloped Roofs Up To 1 In 12 Pitch, Add	45.00	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	100.79	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	111.27	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	169.27	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	205.96	
07 72 13 00-0122 EA 62" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	610.68	117.72
For Sloped Roofs Up To 1 In 12 Pitch, Add	49.30	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	110.36	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	144.41	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	202.41	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	236.74	
07 72 13 00-0123 EA 62" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	628.44	117.72
For Sloped Roofs Up To 1 In 12 Pitch, Add	51.07	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	113.92	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	21.66	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	79.66	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	138.85	
07 72 13 00-0124 EA 62" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	685.93	127.54
For Sloped Roofs Up To 1 In 12 Pitch, Add	55.84	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	124.43	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	182.29	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	241.47	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	317.23	
07 72 13 00-0125 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs		
<small>(07 72 13 00-0076)</small>		
07 72 13 00-0126 EA 26" x 26" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	329.78	78.49
For Sloped Roofs Up To 1 In 12 Pitch, Add	25.13	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	58.11	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	26.04	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	50.90	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	63.92	
07 72 13 00-0127 EA 26" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	348.72	78.49
For Sloped Roofs Up To 1 In 12 Pitch, Add	27.02	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	61.90	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	31.96	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	65.10	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	76.94	
07 72 13 00-0128 EA 26" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	403.86	88.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	31.56	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	71.94	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	39.06	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	80.49	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	88.78	

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0129	EA	26" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	.....	446.47	88.29
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		35.82	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>		80.46	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		52.08	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		105.35	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		113.64	
07 72 13 00-0130	EA	26" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	.....	481.98	88.29
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		39.37	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>		87.57	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		10.83	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		68.83	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		75.93	
07 72 13 00-0131	EA	26" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	.....	593.92	98.10
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		49.58	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>		108.97	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		86.41	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		139.68	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		162.17	
07 72 13 00-0132	EA	38" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	.....	381.86	78.49
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		30.34	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>		68.52	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		6.21	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		53.56	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		74.87	
07 72 13 00-0133	EA	38" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	.....	423.98	88.29
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		33.57	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>		75.97	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		49.72	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		99.43	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		119.55	
07 72 13 00-0134	EA	38" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	.....	445.29	88.29
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		35.70	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>		80.23	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		61.55	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		113.64	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		130.21	
07 72 13 00-0135	EA	38" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	.....	450.02	88.29
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		36.17	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>		81.17	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		11.01	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		67.83	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		83.21	
07 72 13 00-0136	EA	38" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	.....	572.62	98.10
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		47.45	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>		104.71	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		14.20	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		76.94	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		100.61	
07 72 13 00-0137	EA	38" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	.....	632.48	107.91
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		52.46	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>		115.71	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		17.40	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		89.61	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		118.01	
07 72 13 00-0138	EA	50" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	.....	473.70	88.29
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		38.54	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>		85.91	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		63.92	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		116.00	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		129.02	
07 72 13 00-0139	EA	50" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	.....	513.43	98.10
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		41.53	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>		92.88	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		76.94	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		125.47	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		149.15	
07 72 13 00-0140	EA	50" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	.....	538.29	98.10
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		44.02	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>		97.85	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		91.14	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		132.57	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		172.82	
07 72 13 00-0141	EA	50" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	.....	592.24	107.91
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		48.43	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>		107.66	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		106.53	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		159.80	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		197.68	
07 72 13 00-0142	EA	51" x 99" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	.....	634.36	117.72
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		51.66	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>		115.10	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		18.29	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		84.58	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		114.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0143 EA 51" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	694.21	127.54
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	56.67	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	126.09	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	146.78	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	221.35	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	261.60	
07 72 13 00-0144 EA 62" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	538.29	98.10
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	44.02	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	97.85	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.56	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	53.62	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	98.60	
07 72 13 00-0145 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	579.22	107.91
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	47.13	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	105.05	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	111.27	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	169.27	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	205.96	
07 72 13 00-0146 EA 62" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	630.81	117.72
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	51.31	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	114.39	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	144.41	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	202.41	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	236.74	
07 72 13 00-0147 EA 62" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	652.11	117.72
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	53.44	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	118.65	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	21.66	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	79.66	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	138.85	
07 72 13 00-0148 EA 62" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	711.97	127.54
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	58.44	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	129.64	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	182.29	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	241.47	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	317.23	
07 72 13 00-0149 Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs <small>(07 72 13 00-0001)</small>		
<small>Note: Includes 1" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction and installation clips.</small>		
07 72 13 00-0150 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs <small>(07 72 13 00-0149)</small>		
07 72 13 00-0151 EA 14-1/2" To 23" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	379.07	78.49
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	30.06	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	67.97	
07 72 13 00-0152 EA 23-1/2" To 32" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	477.67	78.49
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	39.92	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	87.69	
07 72 13 00-0153 EA 32-1/2" To 41" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	552.13	88.29
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	46.38	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	101.60	
07 72 13 00-0154 EA 41" To 49-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	630.86	88.29
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	54.26	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	117.34	
07 72 13 00-0155 EA 50" To 58-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	696.25	98.10
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	59.82	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	129.44	
07 72 13 00-0156 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs <small>(07 72 13 00-0149)</small>		
07 72 13 00-0157 EA 14-1/2" To 23" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	523.45	78.49
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	44.50	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	96.84	
07 72 13 00-0158 EA 23-1/2" To 32" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	657.27	78.49
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	57.88	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	123.61	
07 72 13 00-0159 EA 32-1/2" To 41" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	680.67	88.29
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	59.24	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	127.30	

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0160 EA 41" To 49-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	730.98	88.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	64.27	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	137.37	
07 72 13 00-0161 EA 50" To 58-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	821.02	98.10
For Sloped Roofs Up To 1 In 12 Pitch, Add	72.29	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	154.39	
07 72 13 00-0162 EA 64" To 72-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,034.32	107.91
For Sloped Roofs Up To 1 In 12 Pitch, Add	92.64	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	196.07	
07 72 13 00-0163 18" To 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs (07 72 13 00-0149)		
07 72 13 00-0164 EA 17-1/2" To 22" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	760.65	78.49
For Sloped Roofs Up To 1 In 12 Pitch, Add	68.22	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	144.28	
07 72 13 00-0165 EA 24" To 29" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	897.48	78.49
For Sloped Roofs Up To 1 In 12 Pitch, Add	81.90	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	171.65	
07 72 13 00-0166 EA 31" To 46" Square Outside Dimensions, 18" Height, 16 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,079.61	88.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	99.13	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	207.09	
07 72 13 00-0167 Wood, Prefabricated Roof Curbs (07 72 13)		
Note: Includes Douglas fir construction, galvanized steel corner straps and installation clips. Includes 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips.		
07 72 13 00-0168 Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0167)		
07 72 13 00-0169 2 x 6 Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0168)		
07 72 13 00-0170 EA 26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	252.84	78.49
For Sloped Roofs Up To 1 In 12 Pitch, Add	17.44	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	42.72	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	26.04	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	50.90	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	63.92	
07 72 13 00-0171 EA 26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	279.57	88.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	19.13	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	47.08	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	39.06	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	80.49	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	88.78	
07 72 13 00-0172 EA 26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	310.35	88.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	22.21	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	53.24	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	10.83	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	68.83	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	75.93	
07 72 13 00-0173 EA 38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	306.80	88.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	21.85	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	52.53	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	61.55	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	113.64	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	130.21	
07 72 13 00-0174 EA 38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	315.08	88.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	22.68	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	54.19	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	11.01	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	67.83	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	83.21	
07 72 13 00-0175 EA 38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	354.82	98.10
For Sloped Roofs Up To 1 In 12 Pitch, Add	25.67	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	61.15	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	14.20	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	76.94	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	100.61	
07 72 13 00-0176 EA 50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	312.72	88.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	22.44	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	53.71	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	63.92	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	116.00	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	129.02	
07 72 13 00-0177 EA 50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	365.47	98.10
For Sloped Roofs Up To 1 In 12 Pitch, Add	26.74	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	63.28	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	91.14	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	132.57	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	172.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0178 EA 51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	404.72 28.70 69.17 18.29 84.58 114.17	117.72
07 72 13 00-0179 EA 62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	344.16 24.61 59.02 14.56 53.62 98.60	98.10
07 72 13 00-0180 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	377.99 27.01 64.81 111.27 169.27 205.96	107.91
07 72 13 00-0181 EA 62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	428.39 31.07 73.91 21.66 79.66 138.85	117.72
07 72 13 00-0182 2 x 8 Wood Framed, Prefabricated Roof Curbs <small>(07 72 13 00-0168)</small>		
07 72 13 00-0183 EA 26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	259.94 18.15 44.14 26.04 50.90 63.92	78.49
07 72 13 00-0184 EA 26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	287.86 19.96 48.74 39.06 80.49 88.78	88.29
07 72 13 00-0185 EA 26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	332.84 24.45 57.74 10.83 68.83 75.93	88.29
07 72 13 00-0186 EA 38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	321.00 23.27 55.37 61.55 113.64 130.21	88.29
07 72 13 00-0187 EA 38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	332.84 24.45 57.74 11.01 67.83 83.21	88.29
07 72 13 00-0188 EA 38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	372.57 27.45 64.70 14.20 76.94 100.61	98.10
07 72 13 00-0189 EA 50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	325.74 23.74 56.32 63.92 116.00 129.02	88.29
07 72 13 00-0190 EA 50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	382.04 28.39 66.60 91.14 132.57 172.82	98.10
07 72 13 00-0191 EA 51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	421.29 30.36 72.49 18.29 84.58 114.17	117.72

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0192	EA		62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb .....357.18		98.10
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	25.91	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	61.63	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.56	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	53.62	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	98.60	
07 72 13 00-0193	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb .....393.38		107.91
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	28.55	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	67.89	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	111.27	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	169.27	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	205.96	
07 72 13 00-0194	EA		62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb .....444.96		117.72
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	32.72	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	77.22	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	21.66	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	79.66	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	138.85	
07 72 13 00-0195			2 x 10 Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0168)		
07 72 13 00-0196	EA		26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb .....264.68		78.49
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	18.62	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	45.09	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	26.04	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	50.90	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	63.92	
07 72 13 00-0197	EA		26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb .....296.14		88.29
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	20.78	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	50.40	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	39.06	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	80.49	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	88.78	
07 72 13 00-0198	EA		26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb .....335.21		88.29
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	24.69	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	58.21	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	10.83	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	68.83	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	75.93	
07 72 13 00-0199	EA		38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb .....329.29		88.29
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	24.10	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	57.03	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	61.55	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	113.64	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	130.21	
07 72 13 00-0200	EA		38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb .....343.49		88.29
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	25.52	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	59.87	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.01	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.83	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	83.21	
07 72 13 00-0201	EA		38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb .....384.41		98.10
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	28.63	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	67.07	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.20	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	76.94	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	100.61	
07 72 13 00-0202	EA		50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb .....334.02		88.29
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	24.57	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	57.97	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	63.92	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	116.00	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	129.02	
07 72 13 00-0203	EA		50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb .....392.69		98.10
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	29.46	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	68.73	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	91.14	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	132.57	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	172.82	
07 72 13 00-0204	EA		51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb .....431.94		117.72
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	31.42	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	74.62	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.29	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	84.58	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	114.17	
07 72 13 00-0205	EA		62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb .....365.47		98.10
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	26.74	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	63.28	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.56	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	53.62	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	98.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0206 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	402.84 29.49 69.78 111.27 169.27 205.96	107.91
07 72 13 00-0207 EA 62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	456.80 33.91 79.59 21.66 79.66 138.85	117.72
07 72 13 00-0208 2 x 12 Wood Framed, Prefabricated Roof Curbs <small>(07 72 13 00-0168)</small>		
07 72 13 00-0209 EA 26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	270.60 19.21 46.27 26.04 50.90 63.92	78.49
07 72 13 00-0210 EA 26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	300.88 21.26 51.35 39.06 80.49 88.78	88.29
07 72 13 00-0211 EA 26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	345.86 25.76 60.34 10.83 68.83 75.93	88.29
07 72 13 00-0212 EA 38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	355.33 26.70 62.24 11.01 67.83 83.21	88.29
07 72 13 00-0213 EA 38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	397.43 29.93 69.68 14.20 76.94 100.61	98.10
07 72 13 00-0214 EA 50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	344.68 25.64 60.11 63.92 116.00 129.02	88.29
07 72 13 00-0215 EA 50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	404.53 30.64 71.10 91.14 132.57 172.82	98.10
07 72 13 00-0216 EA 51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	446.15 32.84 77.46 18.29 84.58 114.17	117.72
07 72 13 00-0217 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	412.31 30.44 71.67 111.27 169.27 205.96	107.91
07 72 13 00-0218 Wood Framed With Liner, Prefabricated Roof Curbs <small>(07 72 13 00-0167)</small>		
07 72 13 00-0219 2 x 6 Wood Framed With Liner, Prefabricated Roof Curbs <small>(07 72 13 00-0218)</small>		
07 72 13 00-0220 EA 26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	262.31 18.38 44.61 26.04 50.90 63.92	78.49
07 72 13 00-0221 EA 26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	287.86 19.96 48.74 39.06 80.49 88.78	88.29

07 Thermal And Moisture Protection
07 70 Roof And Wall Specialties And Accessories
07 72 Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0222 EA 26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	325.74	88.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	23.74	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	56.32	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	10.83	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	68.83	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	75.93	
07 72 13 00-0223 EA 38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	317.45	88.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	22.92	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	54.66	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	61.55	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	113.64	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	130.21	
07 72 13 00-0224 EA 38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	328.10	88.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	23.98	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	56.79	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	11.01	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	67.83	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	83.21	
07 72 13 00-0225 EA 38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	369.02	98.10
For Sloped Roofs Up To 1 In 12 Pitch, Add	27.09	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	63.99	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	14.20	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	76.94	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	100.61	
07 72 13 00-0226 EA 50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	323.37	88.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	23.51	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	55.84	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	63.92	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	116.00	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	129.02	
07 72 13 00-0227 EA 50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	378.49	98.10
For Sloped Roofs Up To 1 In 12 Pitch, Add	28.04	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	65.89	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	91.14	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	132.57	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	172.82	
07 72 13 00-0228 EA 51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	417.74	117.72
For Sloped Roofs Up To 1 In 12 Pitch, Add	30.00	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	71.78	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.29	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	84.58	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	114.17	
07 72 13 00-0229 EA 62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	358.37	98.10
For Sloped Roofs Up To 1 In 12 Pitch, Add	26.03	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	61.86	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	14.56	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	53.62	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	98.60	
07 72 13 00-0230 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	391.01	107.91
For Sloped Roofs Up To 1 In 12 Pitch, Add	28.31	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	67.41	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	111.27	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	169.27	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	205.96	
07 72 13 00-0231 EA 62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	444.96	117.72
For Sloped Roofs Up To 1 In 12 Pitch, Add	32.72	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	77.22	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	21.66	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	79.66	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	138.85	
07 72 13 00-0232 2 x 8 Wood Framed With Liner, Prefabricated Roof Curbs <small>(07 72 13 00-0218)</small>		
07 72 13 00-0233 EA 26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	270.60	78.49
For Sloped Roofs Up To 1 In 12 Pitch, Add	19.21	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	46.27	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	26.04	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	50.90	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	63.92	
07 72 13 00-0234 EA 26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	297.33	88.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	20.90	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	50.64	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	39.06	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	80.49	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	88.78	
07 72 13 00-0235 EA 26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	339.94	88.29
For Sloped Roofs Up To 1 In 12 Pitch, Add	25.16	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	59.16	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	10.83	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	68.83	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	75.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0236 EA 38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	331.65 24.34 57.50 61.55 113.64 130.21	88.29
07 72 13 00-0237 EA 38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	347.04 25.87 60.58 11.01 67.83 83.21	88.29
07 72 13 00-0238 EA 38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	390.33 29.22 68.26 14.20 76.94 100.61	98.10
07 72 13 00-0239 EA 50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	339.94 25.16 59.16 63.92 116.00 129.02	88.29
07 72 13 00-0240 EA 50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	398.61 30.05 69.91 91.14 132.57 172.82	98.10
07 72 13 00-0241 EA 51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	440.23 32.25 76.27 18.29 84.58 114.17	117.72
07 72 13 00-0242 EA 62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	373.76 27.57 64.94 14.56 53.62 98.60	98.10
07 72 13 00-0243 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	408.76 30.09 70.96 111.27 169.27 205.96	107.91
07 72 13 00-0244 EA 62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	465.09 34.74 81.25 21.66 79.66 138.85	117.72
07 72 13 00-0245 2 x 10 Wood Framed With Liner, Prefabricated Roof Curbs <small>(07 72 13 00-0218)</small>		
07 72 13 00-0246 EA 26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	277.70 19.92 47.69 26.04 50.90 63.92	78.49
07 72 13 00-0247 EA 26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	306.80 21.85 52.53 39.06 80.49 88.78	88.29
07 72 13 00-0248 EA 26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	354.15 26.59 62.00 10.83 68.83 75.93	88.29
07 72 13 00-0249 EA 38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	342.31 25.40 59.63 61.55 113.64 130.21	88.29

07 Thermal And Moisture Protection
07 70 Roof And Wall Specialties And Accessories
07 72 Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0250	EA		38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	361.25 27.30 63.42 11.01 67.83 83.21	88.29
07 72 13 00-0251	EA		38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	405.71 30.76 71.33 14.20 76.94 100.61	98.10
07 72 13 00-0252	EA		50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	350.59 26.23 61.29 63.92 116.00 129.02	88.29
07 72 13 00-0253	EA		50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	411.63 31.35 72.52 91.14 132.57 172.82	98.10
07 72 13 00-0254	EA		51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	454.43 33.67 79.11 18.29 84.58 114.17	117.72
07 72 13 00-0255	EA		62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	385.59 28.75 67.31 14.56 53.62 98.60	98.10
07 72 13 00-0256	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	421.78 31.39 73.57 111.27 169.27 205.96	107.91
07 72 13 00-0257	EA		62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	480.48 36.28 84.32 21.66 79.66 138.85	117.72
07 72 13 00-0258			2 x 12 Wood Framed With Liner, Prefabricated Roof Curbs <small>(07 72 13 00-0218)</small>		
07 72 13 00-0259	EA		26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	291.90 21.34 50.53 26.04 50.90 63.92	78.49
07 72 13 00-0260	EA		26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	313.90 22.56 53.95 39.06 80.49 88.78	88.29
07 72 13 00-0261	EA		26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	364.80 27.65 64.13 10.83 68.83 75.93	88.29
07 72 13 00-0262	EA		38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	373.08 28.48 65.79 11.01 67.83 83.21	88.29
07 72 13 00-0263	EA		38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	450.70 35.26 80.33 14.20 76.94 100.61	98.10



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0264	EA			50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	384.92 29.66 68.15 63.92 116.00 129.02	88.29
07 72 13 00-0265	EA			50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	453.06 35.50 80.80 91.14 132.57 172.82	98.10
07 72 13 00-0266	EA			51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	501.78 38.41 88.58 18.29 84.58 114.17	117.72
07 72 13 00-0267	EA			62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	465.58 35.77 82.33 111.27 169.27 205.96	107.91

07 72 23 Relief Vents (07 72)

07 72 23 00-0001	Wind Driven Turbine Ventilators <small>(07 72 23)</small> Note: Excludes curb or flange base.					
07 72 23 00-0002	Galvanized Steel, Wind Driven Turbine Ventilators <small>(07 72 23 00-0001)</small>					
07 72 23 00-0003	EA			6" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator <i>For Curb Or Flange Base, Add</i>	115.49 136.62	28.90
07 72 23 00-0004	EA			9" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator <i>For Curb Or Flange Base, Add</i>	137.81 150.69	32.00
07 72 23 00-0005	EA			12" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator <i>For Curb Or Flange Base, Add</i>	150.24 169.74	38.18
07 72 23 00-0006	EA			15" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator <i>For Curb Or Flange Base, Add</i>	276.45 258.60	42.32
07 72 23 00-0007	EA			18" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator <i>For Curb Or Flange Base, Add</i>	376.65 281.20	47.47
07 72 23 00-0008	EA			21" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator <i>For Curb Or Flange Base, Add</i>	452.10 304.91	51.61
07 72 23 00-0009	EA			24" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator <i>For Curb Or Flange Base, Add</i>	574.64 369.81	57.79
07 72 23 00-0010	EA			36" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator <i>For Curb Or Flange Base, Add</i>	942.54 593.92	77.40
07 72 23 00-0011	Mill Finish Aluminum, Wind Driven Turbine Ventilators <small>(07 72 23 00-0001)</small>					
07 72 23 00-0012	EA			6" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator <i>For Curb Or Flange Base, Add</i>	111.41 140.11	28.90
07 72 23 00-0013	EA			9" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator <i>For Curb Or Flange Base, Add</i>	137.59 154.78	32.00
07 72 23 00-0014	EA			12" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator <i>For Curb Or Flange Base, Add</i>	155.07 173.76	38.18
07 72 23 00-0015	EA			15" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator <i>For Curb Or Flange Base, Add</i>	266.21 280.37	42.32
07 72 23 00-0016	EA			18" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator <i>For Curb Or Flange Base, Add</i>	340.81 301.13	47.47
07 72 23 00-0017	EA			21" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator <i>For Curb Or Flange Base, Add</i>	427.78 337.62	51.61
07 72 23 00-0018	EA			24" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator <i>For Curb Or Flange Base, Add</i>	573.39 404.91	57.79
07 72 23 00-0019	EA			36" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator <i>For Curb Or Flange Base, Add</i>	850.82 602.10	77.40
07 72 23 00-0020	Stationary Siphon Ventilators <small>(07 72 23)</small> Note: Excludes curb or flange base.					
07 72 23 00-0021	Galvanized Steel, Stationary Siphon Ventilators <small>(07 72 23 00-0020)</small>					
07 72 23 00-0022	EA			6" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator <i>For Curb Or Flange Base, Add</i>	99.20 136.62	28.90
07 72 23 00-0023	EA			9" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator <i>For Curb Or Flange Base, Add</i>	128.49 150.69	32.00
07 72 23 00-0024	EA			12" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator <i>For Curb Or Flange Base, Add</i>	142.60 169.74	38.18
07 72 23 00-0025	EA			15" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator <i>For Curb Or Flange Base, Add</i>	234.63 258.60	42.32
07 72 23 00-0026	EA			18" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator <i>For Curb Or Flange Base, Add</i>	270.84 281.20	47.47
07 72 23 00-0027	EA			21" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator <i>For Curb Or Flange Base, Add</i>	377.33 304.91	51.61

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 23 00-0028	EA		24" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	487.97	57.79
			<i>For Curb Or Flange Base, Add</i>	369.81	
07 72 23 00-0029	EA		36" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	704.80	77.40
			<i>For Curb Or Flange Base, Add</i>	593.92	
07 72 23 00-0030			Mill Finish Aluminum, Stationary Siphon Ventilators <small>(07 72 23 00-0020)</small>		
07 72 23 00-0031	EA		6" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	107.52	28.90
			<i>For Curb Or Flange Base, Add</i>	140.11	
07 72 23 00-0032	EA		9" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	139.92	32.00
			<i>For Curb Or Flange Base, Add</i>	154.78	
07 72 23 00-0033	EA		12" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	157.02	38.18
			<i>For Curb Or Flange Base, Add</i>	173.76	
07 72 23 00-0034	EA		15" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	247.87	42.32
			<i>For Curb Or Flange Base, Add</i>	280.37	
07 72 23 00-0035	EA		18" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	309.65	47.47
			<i>For Curb Or Flange Base, Add</i>	301.13	
07 72 23 00-0036	EA		21" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	377.14	51.61
			<i>For Curb Or Flange Base, Add</i>	337.62	
07 72 23 00-0037	EA		24" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	534.46	57.79
			<i>For Curb Or Flange Base, Add</i>	404.91	
07 72 23 00-0038	EA		36" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	801.05	77.40
			<i>For Curb Or Flange Base, Add</i>	602.10	
07 72 23 00-0039			Spun Aluminum, Stationary Mushroom Gravity Ventilators <small>(07 72 23)</small>		
			Note: Includes flange base and bird screen. Excludes curb.		
07 72 23 00-0040	EA		8" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	227.37	46.44
			<i>For Backdraft Damper, Add</i>	105.77	
			<i>For Curb Base, Add</i>	169.98	
07 72 23 00-0041	EA		10" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	277.09	51.61
			<i>For Backdraft Damper, Add</i>	115.72	
			<i>For Curb Base, Add</i>	186.10	
07 72 23 00-0042	EA		12" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	315.33	61.92
			<i>For Backdraft Damper, Add</i>	158.03	
			<i>For Curb Base, Add</i>	235.01	
07 72 23 00-0043	EA		16" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	380.59	68.12
			<i>For Backdraft Damper, Add</i>	180.43	
			<i>For Curb Base, Add</i>	271.32	
07 72 23 00-0044	EA		24" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	965.14	92.89
			<i>For Backdraft Damper, Add</i>	226.47	
			<i>For Curb Base, Add</i>	358.11	
07 72 23 00-0045	EA		30" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	1,175.46	107.34
			<i>For Backdraft Damper, Add</i>	267.54	
			<i>For Curb Base, Add</i>	427.09	
07 72 23 00-0046	EA		36" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	1,590.05	123.85
			<i>For Backdraft Damper, Add</i>	267.54	
			<i>For Curb Base, Add</i>	447.62	
07 72 23 00-0047	EA		42" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	2,214.39	134.17
			<i>For Backdraft Damper, Add</i>	279.98	
			<i>For Curb Base, Add</i>	465.43	
07 72 23 00-0048	EA		48" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	3,161.02	144.48
			<i>For Backdraft Damper, Add</i>	311.09	
			<i>For Curb Base, Add</i>	521.81	
07 72 23 00-0049			Galvanized Steel, Stationary Gooseneck Ventilators <small>(07 72 23)</small>		
			Note: Includes flange base and bird screen. Excludes curb.		
07 72 23 00-0050	EA		8" x 8", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	401.74	51.61
07 72 23 00-0051	EA		12" x 12", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	475.16	68.12
07 72 23 00-0052	EA		16" x 16", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	681.46	92.89
07 72 23 00-0053	EA		24" x 24", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	1,038.49	107.34
07 72 26			Ridge Vents <small>(07 72)</small>		
07 72 26 00-0001			Aluminum Ridge Vents <small>(07 72 26)</small>		
07 72 26 00-0002	LF		Aluminum Ridge Vent Strips	10.35	3.00
07 72 26 00-0003	EA		Aluminum Ridge Univent Connectors	45.31	18.58
07 72 26 00-0004	EA		Aluminum Ridge Univent End Cap	43.07	18.58
07 72 26 00-0005			Galvanized Ridge Vents <small>(07 72 26)</small>		
07 72 26 00-0006	LF		Galvanized Sheet Metal Ridge Vent Strips	10.35	3.20
07 72 29			Rafter Vent <small>(07 72)</small>		
07 72 29 00-0001			Rafter Vent <small>(07 72 29)</small>		
			Note: Built-in baffle is designed to help keep air flowing freely from soffits to ridge vents.		
07 72 29 00-0002	EA		22" x 4' Rafter Vent	7.44	
07 72 29 00-0003	EA		14" x 4' Rafter Vent	6.85	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 72 33 Roof Hatches (07 72)

Note: Includes curb with integral insulation, lockable hatch and gaskets.

07 72 33 00-0001 Galvanized Steel Cover And Curb (07 72 33)

07 72 33 00-0002	EA		2'-6" x 3'-0" Galvanized Steel Roof Hatch (Bilco S-20)	977.81	129.66
07 72 33 00-0003	EA		2'-6" x 4'-6" Galvanized Steel Roof Hatch (Bilco NB-20)	1,420.70	144.07
07 72 33 00-0004	EA		2'-6" x 8'-0" Galvanized Steel Roof Hatch (Bilco L-20)	2,490.92	196.47
07 72 33 00-0005	EA		3'-0" x 3'-0" Galvanized Steel Roof Hatch (Bilco E-20)	1,397.72	144.07
07 72 33 00-0006	EA		4'-0" x 4'-0" Galvanized Steel Roof Hatch	1,576.50	160.09
07 72 33 00-0007	EA		3'-0" x 8'-0" Galvanized Steel Roof Hatch	2,573.48	218.35

07 72 33 00-0008 Aluminum Cover And Curb (07 72 33)

07 72 33 00-0009	EA		2'-6" x 3'-0" Aluminum Roof Hatch (Bilco S-50)	1,052.71	129.66
07 72 33 00-0010	EA		2'-6" x 4'-6" Aluminum Roof Hatch (Bilco NB-50)	1,368.15	144.07
07 72 33 00-0011	EA		2'-6" x 8'-0" Aluminum Roof Hatch (Bilco L-50)	2,486.42	196.47
07 72 33 00-0012	EA		3'-0" x 3'-0" Aluminum Roof Hatch (Bilco E-50)	1,338.58	144.07
07 72 33 00-0013	EA		4'-0" x 4'-0" Aluminum Roof Hatch (Bilco F-50)	2,385.66	160.09
07 72 33 00-0014	EA		3'-0" x 8'-0" Aluminum Roof Hatch	2,620.85	218.35
07 72 33 00-0015	EA		3'-0" x 2'-6" Aluminum Roof Scuttle With Skylight (Bilco GS-50)	1,500.91	144.07

07 72 33 00-0016 Steel, Plain, Primed (07 72 33)

07 72 33 00-0017	EA		2'-6" x 3'-0" Plain Steel Roof Hatch Primed (Bilco S-20)	939.29	129.66
07 72 33 00-0018	EA		2'-6" x 4'-6" Plain Steel Roof Hatch Primed (Bilco NB-20)	1,260.71	144.07
07 72 33 00-0019	EA		2'-6" x 8'-0" Plain Steel Roof Hatch Primed (Bilco L-20)	1,726.82	196.47
07 72 33 00-0020	EA		3'-0" x 3'-0" Plain Steel Roof Hatch Primed (Bilco E-20)	1,170.27	144.07
07 72 33 00-0021	EA		4'-0" x 4'-0" Plain Steel Roof Hatch Primed	1,429.76	160.09
07 72 33 00-0022	EA		3'-0" x 8'-0" Plain Steel Roof Hatch Primed	1,942.50	218.35

07 72 33 00-0023 Stainless Steel (07 72 33)

07 72 33 00-0024	EA		2'-6" x 3'-0" Stainless Steel Roof Hatch (Bilco S-90)	2,174.98	129.66
07 72 33 00-0025	EA		2'-6" x 4'-6" Stainless Steel Roof Hatch (Bilco NB-90)	4,143.35	144.07
07 72 33 00-0026	EA		2'-6" x 8'-0" Stainless Steel Roof Hatch (Bilco L-90)	6,227.03	196.47
07 72 33 00-0027	EA		3'-0" x 3'-0" Stainless Steel Roof Hatch (Bilco E-90)	3,328.51	144.07
07 72 33 00-0028	EA		4'-0" x 4'-0" Stainless Steel Roof Hatch	7,010.52	160.09
07 72 33 00-0029	EA		3'-0" x 8'-0" Stainless Steel Roof Hatch	7,858.29	218.35

07 72 33 00-0030 Remove And Reinstall Roof Hatch (07 72 33)

Note: Includes storage, cleaning and supply materials.

07 72 33 00-0031	EA		Removal And Reinstallation Of Roof Hatch (All Types)	398.81	
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07 72 33 00-0032 Aluminum Cover And Galvanized Steel Curb (07 72 33)

07 72 33 00-0033	EA		Aluminum Cover, Galvanized Steel Curb 3'-0" x 2'-6" Roof (Bilco S-40)	1,019.75	144.07
07 72 33 00-0034	EA		Aluminum Cover, Galvanized Steel Curb 2'-6" x 4'-6" Roof (Bilco NB-40)	1,335.19	160.09
07 72 33 00-0035	EA		Aluminum Cover, Galvanized Steel Curb 2'-6" x 8'-0" Roof (Bilco L-40)	2,400.74	218.26
07 72 33 00-0036	EA		Aluminum Cover, Galvanized Steel Curb 3'-0" x 3'-0" Roof (Bilco E-40)	1,312.21	148.57
07 72 33 00-0037	EA		Aluminum Cover, Galvanized Steel Curb 4'-0" x 4'-0" Roof (Bilco F-40)	2,313.16	164.60

07 72 33 00-0038 Roof Hatch Accessories (07 72 33)

07 72 33 00-0039	EA		Roof Hatch Ladderup Safety Post (Bilco LU-1)	603.23	67.54
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07 72 33 00-0040 Roof Hatch Safety Railing (07 72 33)

Note: Included mounting bracket to attach to roof hatch

07 72 33 00-0041	EA		24" x 24" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-24x24)	1,189.43	
07 72 33 00-0042	EA		24" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-24x36)	1,236.50	
07 72 33 00-0043	EA		30" x 30" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-30x30)	1,264.53	
07 72 33 00-0044	EA		30" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-30x36)	1,370.76	
07 72 33 00-0045	EA		36" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-36x36)	1,494.98	
07 72 33 00-0046	EA		48" x 48" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-48x48)	1,881.46	

07 72 36 Smoke Vents (07 72)

07 72 36 00-0001 Fire Vent (07 72 36)

07 72 36 00-0002 Galvanized Steel Covers And Curb (07 72 36 00-0001)

07 72 36 00-0003	EA		4'-0" x 4'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4848)	2,469.22	120.11
07 72 36 00-0004	EA		4'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4872)	2,844.93	165.13
07 72 36 00-0005	EA		4'-0" x 7'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4890)	3,241.61	180.17
07 72 36 00-0006	EA		4'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4896)	3,306.48	189.18
07 72 36 00-0007	EA		5'-0" x 5'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6060)	3,828.09	165.13
07 72 36 00-0008	EA		5'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6072)	4,070.70	180.17
07 72 36 00-0009	EA		5'-0" x 7'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6084)	4,298.63	195.21
07 72 36 00-0010	EA		5'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6096)	4,893.42	210.24

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 36 00-0011	EA		5'-0" x 10'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-60120).....	6,067.85	225.19
07 72 36 00-0012	EA		5'-6" x 5'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6666).....	4,071.19	195.21
07 72 36 00-0013	EA		5'-6" x 12'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-66114).....	8,540.92	240.23
07 72 36 00-0014	EA		6'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-7272).....	4,696.83	255.27
07 72 36 00-0015			Aluminum Covers And Galvanized Steel Curb (07 72 36 00-0001)		
07 72 36 00-0016	EA		4'-0" x 4'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4848A)	2,315.63	120.11
07 72 36 00-0017	EA		4'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4872A)	2,653.42	165.13
07 72 36 00-0018	EA		4'-0" x 7'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4890A)	2,985.70	180.17
07 72 36 00-0019	EA		4'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4896A)	3,091.49	189.18
07 72 36 00-0020	EA		5'-0" x 5'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6060A)	3,002.75	165.13
07 72 36 00-0021	EA		5'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6072A)	3,835.97	180.17
07 72 36 00-0022	EA		5'-0" x 7'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6084A)	4,102.34	195.21
07 72 36 00-0023	EA		5'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6096A)	3,993.02	210.24
07 72 36 00-0024	EA		5'-0" x 10'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-60120A)	5,610.61	225.19
07 72 36 00-0025	EA		5'-6" x 5'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6666A)	3,871.65	195.21
07 72 36 00-0026	EA		5'-6" x 12'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-66144A)	7,360.01	240.23
07 72 36 00-0027	EA		6'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-7272A)	3,796.91	255.27
07 72 36 00-0028			Aluminum Covers And Curb (07 72 36 00-0001)		
07 72 36 00-0029	EA		4'-0" x 4'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4848B)	2,526.55	120.11
07 72 36 00-0030	EA		4'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4872B)	3,002.75	165.13
07 72 36 00-0031	EA		4'-0" x 7'-6" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4890B)	3,295.49	180.17
07 72 36 00-0032	EA		4'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4896B)	3,486.96	189.18
07 72 36 00-0033	EA		5'-0" x 5'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6060B)	3,160.94	165.13
07 72 36 00-0034	EA		5'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6072B)	4,000.75	180.17
07 72 36 00-0035	EA		5'-0" x 7'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6084B)	4,247.35	195.21
07 72 36 00-0036	EA		5'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6096B)	4,388.49	210.24
07 72 36 00-0037	EA		5'-0" x 10'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-60120B)	5,327.19	225.19
07 72 36 00-0038	EA		5'-6" x 5'-6" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6666B)	4,056.21	195.21
07 72 36 00-0039	EA		5'-6" x 12'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-66114B)	8,038.91	240.23
07 72 36 00-0040	EA		6'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-7272B)	4,192.38	255.27
07 72 36 00-0041			Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb (07 72 36)		
07 72 36 00-0042	EA		4'-0" x 4'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV4848B).....	2,500.18	119.76
07 72 36 00-0043	EA		4'-0" x 6'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV4872B).....	3,167.52	165.13
07 72 36 00-0044	EA		4'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV4896B).....	3,348.54	189.18
07 72 36 00-0045	EA		5'-0" x 5'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV6060B).....	3,595.96	165.13
07 72 36 00-0046	EA		5'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV6096B).....	3,795.29	210.24
07 72 46			Roof Walkways (07 72)		
07 72 46 00-0001			Recycled Rubber Walkway Pads (07 72 46)		
07 72 46 00-0002	SF		3/8" Thick, Button Surface, Recycled Rubber Walkway Pad	8.00	2.17
			<i>For Diamond Surface, Add</i>	0.61	
07 72 46 00-0003	SF		1/2" Thick, Button Surface, Recycled Rubber Walkway Pad	8.87	2.60
			<i>For Diamond Surface, Add</i>	0.71	
07 72 46 00-0004	SF		3/4" Thick, Button Surface, Recycled Rubber Walkway Pad	9.79	2.60
			<i>For Diamond Surface, Add</i>	0.79	
07 72 53			Snow Guards (07 72)		
07 72 53 00-0001			Snow Guards For Shingle And Tile Roofs (07 72 53)		
07 72 53 00-0002	EA		6-5/8" Length, 1-1/2" Width, Copper Snow Guards For Shingle And Tile Roofs.....	14.74	2.21
07 72 53 00-0003	EA		6-5/8" Length, 1-1/2" Width, Lead Coated Copper Snow Guards For Shingle And Tile Roofs	16.03	2.21
07 72 53 00-0004	EA		6-5/8" Length, 1-1/2" Width, Stainless Steel Snow Guards For Shingle And Tile Roofs.....	15.18	2.21
07 72 53 00-0005	EA		6-5/8" Length, 1-1/2" Width, Aluminum Snow Guards For Shingle And Tile Roofs.....	9.19	2.21
07 72 53 00-0006			Snow Guards For Metal Roofs (07 72 53)		
			Note: Aluminum construction.		
07 72 53 00-0007	EA		Mill Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	18.66	3.69
07 72 53 00-0008	EA		Black Primer Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300).....	20.65	3.69
07 72 53 00-0009	EA		Bronze Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300).....	30.05	3.69
07 72 53 00-0010	EA		Painted Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300).....	29.63	3.69
07 72 53 00-0011	EA		Mill Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516)	28.05	4.30
07 72 53 00-0012	EA		Black Primer Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516).....	30.55	4.30
07 72 53 00-0013	EA		Painted Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516).....	37.90	4.30
07 72 53 00-0014	EA		Mill Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	16.31	3.23
			<i>For Mechanically Fastened, Add</i>	6.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 53 00-0015 EA Black Primer Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM) <i>For Mechanically Fastened, Add</i>	18.37 6.45	3.23
07 72 53 00-0016 EA Painted Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)..... <i>For Mechanically Fastened, Add</i>	25.39 6.45	3.23
07 72 53 00-0017 EA Polycarbonate, Adhesive Surface Mount, Metal Roof Snow Guard (Zaleski #15) Note: Can be used for metal, rubber, PVC, TPO or glass roofing. <i>For Mechanically Fastened, Add</i>	10.19 8.60	3.23
07 72 53 00-0018 Snow Breaker For Roofs (07 72 53)		
07 72 53 00-0019 EA Up To 50 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount	12.43	4.30
07 72 53 00-0020 EA >50 To 150 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount.....	11.81	4.30
07 72 53 00-0021 EA >150 To 500 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount.....	11.50	4.30
07 72 53 00-0022 EA >500 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount.....	11.13	4.30
07 72 53 00-0023 Ice Breaker For Vents (07 72 53)		
07 72 53 00-0024 EA Ice Breaker For Vents Up to 4", Mechanically Fastened.....	89.09	
07 72 53 00-0025 EA Ice Breaker For Vents And Stacks >4" To 14" Diameter, Mechanically Fastened.....	102.11	
07 72 53 00-0026 Pipe Style, Snow Guards For Metal Roofs (07 72 53)		
07 72 53 00-0027 Pipe Style, Standing Seam Metal Roof Snow Guard Clamps (07 72 53 00-0026) Note: Aluminum construction. Includes clamp for attaching to standing seam. Excludes tubing.		
07 72 53 00-0028 EA Single Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000).....	45.56	12.90
07 72 53 00-0029 EA Single Tube, "T2 or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000).....	53.17	12.90
07 72 53 00-0030 EA Double Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000).....	59.24	12.90
07 72 53 00-0031 EA Double Tube, "T2K or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000).....	72.31	12.90
07 72 53 00-0032 EA Triple Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 6000).....	75.49	15.48
07 72 53 00-0033 Tubing For Snow Guard Clamps (07 72 53 00-0026)		
07 72 53 00-0034 LF 1" Outside Diameter Aluminum Tubing For Snow Guard Clamps (Alpine SnowGuards®)..... Note: Includes end caps, collars and couplings.	9.69	3.10
07 72 53 00-0035 LF 1" Outside Diameter Brass Or Stainless Steel Tubing For Snow Guard Clamps (Alpine SnowGuards®)..... Note: Includes end caps, collars and couplings.	17.77	3.10
07 72 56 Snow/Ice Melt Cable (07 72)		
07 72 56 00-0001 Self Regulating Heating Cable For Roofs And Gutters (07 72 56)		
07 72 56 00-0002 LF 12 Watt, 120 Volt, Self Regulating Low Temperature Cable For Roofs And Gutters..... Note: Nickel-coated copper braided cable with weatherproof jacket.	9.84	0.96
07 72 56 00-0003 LF 12 Watt, 208/277 Volt Self Regulating Low Temperature Cable For Roofs And Gutters..... Note: Nickel-coated copper braided cable with weatherproof jacket.	10.55	0.96
07 72 56 00-0004 EA Power Connection, End Seal And Warning Labels Kit For Self Regulating Heating Cable For Roofs And Gutters.....	185.69	72.48
07 72 56 00-0005 EA Splice Kit For Self Regulating Heating Cable For Roofs And Gutters.....	140.57	53.15
07 72 56 00-0006 EA Edge Of Roof Cable Clips For Self Regulating Heating Cable For Roofs And Gutters..... <i>For >5, Deduct</i>	7.03 -0.58	2.90
07 72 56 00-0007 EA Roof Cable Clips For Self Regulating Heating Cable For Roofs And Gutters..... <i>For >5, Deduct</i>	6.56 -0.53	2.90
07 72 56 00-0008 EA Downspout Hanger Kit For Self Regulating Heating Cable For Roofs And Gutters.....	40.56	7.24
07 72 56 00-0009 EA 120 Volt AC, Snow Switch, Automatic Control For Melting Snow	626.78	57.98
07 72 56 00-0010 EA Automatic Gutter Ice Melting Control.....	856.21	72.48
07 72 63 Waste Containment Assemblies (07 72)		
07 72 63 00-0001 Rooftop Oil And Grease Containment System (07 72 63)		
07 72 63 00-0002 Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD-E) (07 72 63 00-0001)		
07 72 63 00-0003 EA 48" Length, 48" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100-E).....	1,854.29	177.05
07 72 63 00-0004 EA 60" Length, 60" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101-E).....	2,056.90	177.05
07 72 63 00-0005 EA 60" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106-E).....	2,498.83	184.12
07 72 63 00-0006 EA 72" Length, 72" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102-E).....	2,487.25	184.12
07 72 63 00-0007 EA 72" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103-E).....	3,217.67	199.18
07 72 63 00-0008 EA 72" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111-E).....	2,543.09	199.18
07 72 63 00-0009 EA 90" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105-E).....	2,844.83	236.00
07 72 63 00-0010 EA 108" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112-E).....	4,151.01	295.05

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 63 00-0011 EA 120" Length, 120" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107-E).....	5,100.64	295.05
07 72 63 00-0012 EA 144" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113-E).....	6,403.48	295.05
07 72 63 00-0013 Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD) (07 72 63 00-0001)		
07 72 63 00-0014 EA 48" Length, 48" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100).....	2,250.88	177.05
07 72 63 00-0015 EA 60" Length, 60" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101).....	2,514.35	177.05
07 72 63 00-0016 EA 60" Length, 90" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106).....	3,080.77	184.12
07 72 63 00-0017 EA 72" Length, 72" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102).....	3,132.90	184.12
07 72 63 00-0018 EA 72" Length, 108" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103).....	4,424.98	199.18
07 72 63 00-0019 EA 72" Length, 144" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111).....	4,838.99	199.18
07 72 63 00-0020 EA 90" Length, 90" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105).....	4,535.63	236.00
07 72 63 00-0021 EA 108" Length, 108" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112).....	5,129.59	295.05
07 72 63 00-0022 EA 120" Length, 120" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107).....	6,365.84	295.05
07 72 63 00-0023 EA 144" Length, 144" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113).....	8,059.53	295.05
07 72 63 00-0024 Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63)		
Note: Includes removing old filters and installing new filters.		
07 72 63 00-0025 Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0024)		
07 72 63 00-0026 Light Duty, Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0025)		
07 72 63 00-0027 SET 48" Length, 48" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-E).....	149.68	
07 72 63 00-0028 SET 60" Length, 60" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-E).....	207.59	
07 72 63 00-0029 SET 60" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-E).....	294.44	
07 72 63 00-0030 SET 72" Length, 72" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-E).....	274.35	
07 72 63 00-0031 SET 72" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-E).....	505.97	
07 72 63 00-0032 SET 72" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-E).....	511.75	
07 72 63 00-0033 SET 90" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-E).....	399.01	
07 72 63 00-0034 SET 108" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-E).....	514.82	
07 72 63 00-0035 SET 120" Length, 120" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-E).....	749.33	
07 72 63 00-0036 SET 144" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-E).....	983.84	
07 72 63 00-0037 Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0024)		
07 72 63 00-0038 Light Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0037)		
07 72 63 00-0039 SET 48" Length, 48" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-EC).....	307.72	
07 72 63 00-0040 SET 60" Length, 60" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-EC).....	406.16	
07 72 63 00-0041 SET 60" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-EC).....	585.67	
07 72 63 00-0042 SET 72" Length, 72" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-EC).....	548.19	
07 72 63 00-0043 SET 72" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-EC).....	1,043.27	
07 72 63 00-0044 SET 72" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-EC).....	1,049.05	
07 72 63 00-0045 SET 90" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-EC).....	782.87	
07 72 63 00-0046 SET 108" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-EC).....	1,052.13	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	07 72 63 00-0047	SET		120" Length, 120" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-EC)	1,535.63	
	07 72 63 00-0048	SET		144" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-EC)	2,039.39	
	07 72 63 00-0049			Heavy Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0037)		
	07 72 63 00-0050	SET		48" Length, 48" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-C)	380.11	
	07 72 63 00-0051	SET		60" Length, 60" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-C)	469.86	
	07 72 63 00-0052	SET		60" Length, 90" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-C)	684.10	
	07 72 63 00-0053	SET		72" Length, 72" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-C)	649.52	
	07 72 63 00-0054	SET		72" Length, 108" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-C)	1,254.62	
	07 72 63 00-0055	SET		72" Length, 144" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-C)	1,248.83	
	07 72 63 00-0056	SET		90" Length, 90" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-C)	916.06	
	07 72 63 00-0057	SET		108" Length, 108" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-C)	1,263.48	
	07 72 63 00-0058	SET		120" Length, 120" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-C)	1,767.24	
	07 72 63 00-0059	SET		144" Length, 144" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-C)	2,453.41	

07 73 Roof Protection Board (07 70)

07 73 00 00-0001 Roof Protection Board (Georgia-Pacific DensDeck®) (07 73)

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. Types are stock sizes set in cold applied adhesive. Apply modifiers for specified alternate attachment.

07 73 00 00-0002	SF	1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®)	2.70	0.44
		<i>For No Adhesive, Deduct</i>	-0.56	
		<i>For Hot-Mopped, Deduct</i>	-0.07	
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	
07 73 00 00-0003	SF	1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®)	3.05	0.49
		<i>For No Adhesive, Deduct</i>	-0.58	
		<i>For Hot-Mopped, Deduct</i>	-0.05	
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	
07 73 00 00-0004	SF	5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®)	3.22	0.53
		<i>For No Adhesive, Deduct</i>	-0.59	
		<i>For Hot-Mopped, Deduct</i>	-0.04	
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	
07 73 00 00-0005	SF	1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime)	2.73	0.44
		<i>For No Adhesive, Deduct</i>	-0.56	
		<i>For Hot-Mopped, Deduct</i>	-0.07	
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	
07 73 00 00-0006	SF	1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime)	3.09	0.49
		<i>For No Adhesive, Deduct</i>	-0.58	
		<i>For Hot-Mopped, Deduct</i>	-0.05	
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	
07 73 00 00-0007	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime)	3.27	0.53
		<i>For No Adhesive, Deduct</i>	-0.59	
		<i>For Hot-Mopped, Deduct</i>	-0.04	
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.23	

07 76 Roof Pavers (07 70)

07 76 16 Roof Decking Pavers (07 76)

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 76	Roof Pavers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 76 16 00-0001			Roof Pavers <small>(07 76 16)</small> Note: For walkway application over roofing system.		
07 76 16 00-0002	SF		Up To 100 SF, 2" Concrete Roof Paver.....	11.51	5.64
			For 1-1/2" Thickness, Deduct	-0.96	
			For 2-1/2" Thickness, Add	0.96	
			For 3" Thickness, Add	1.91	
07 76 16 00-0003	SF		>100 To 200 SF, 2" Concrete Roof Paver	9.78	4.25
			For 1-1/2" Thickness, Deduct	-0.79	
			For 2-1/2" Thickness, Add	0.79	
			For 3" Thickness, Add	1.59	
07 76 16 00-0004	SF		>200 To 400 SF, 2" Concrete Roof Paver	8.36	3.38
			For 1-1/2" Thickness, Deduct	-0.66	
			For 2-1/2" Thickness, Add	0.66	
			For 3" Thickness, Add	1.32	
07 76 16 00-0005	SF		>400 To 1,000 SF, 2" Concrete Roof Paver	7.49	2.95
			For 1-1/2" Thickness, Deduct	-0.58	
			For 2-1/2" Thickness, Add	0.58	
			For 3" Thickness, Add	1.17	
07 76 16 00-0006	SF		>1,000 SF, 2" Concrete Roof Paver.....	6.88	2.69
			For 1-1/2" Thickness, Deduct	-0.53	
			For 2-1/2" Thickness, Add	0.53	
			For 3" Thickness, Add	1.07	
07 76 16 00-0007			Roof Paver Pedestal <small>(07 76 16)</small>		
07 76 16 00-0008	EA		2" To 3" High Adjustable Roof Paver Pedestal, 2" Base, 2" Top (Hanover Elevator).....	15.59	0.88
07 76 16 00-0009	EA		3" To 4-3/4" High Adjustable Roof Paver Pedestal, 3" Base, 3" Top (Hanover Elevator)	16.47	0.88
07 76 16 00-0010	EA		4-3/4" To 7-3/4" High Adjustable Roof Paver Pedestal, 4" Base, 4" Top (Hanover Elevator)	17.37	0.88
07 76 16 00-0011	EA		Adjustable Roof Paver Pedestal Coupler, Adds 2-1/2" To 4" (Hanover Elevator)	8.49	0.88
07 76 16 00-0012	EA		Stay Bar, Used With Roof Paver Pedestals >16' High (Hanover Elevator)	8.14	0.88
07 76 16 00-0013	EA		5/8" High Tab Roof Paver Pedestal (Hanover High Tab Pedestal).....	8.31	0.88
			Note: Stackable.		
07 76 16 00-0014	EA		1/16" And 1/8" Flexible Leveling Plates For Roof Paver Pedestal	4.61	0.88
			Note: Used with High Tab and Elevator pedestals.		
07 76 16 00-0015	EA		Roof Paver Leveling System, Twist To Adjust Pitch (Hanover Compensator)	6.49	0.88
			Note: Each Compensator levels 1/8" of slope and are stackable. Used with High Tab and Elevator pedestals.		
07 76 19			Composite Insulation Concrete Protection Board <small>(07 76)</small>		
			Note: Manufactured by T. Clear Corp. 25 year warranty.		
07 76 19 00-0001			Composite Insulation Concrete Protection Board <small>(07 76 19)</small>		
			Note: Manufactured by T. Clear Corp. 25 year warranty.		
07 76 19 00-0002	SF		2" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF.....	3.76	
			For 20 Year Warranty, Deduct	-0.20	
			For 15 Year Warranty, Deduct	-0.40	
			For 10 Year Warranty, Deduct	-0.54	
			For Winds >90 MPH To 120 MPH Warranty, Add	0.10	
07 76 19 00-0003	SF		3" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF.....	4.82	
			For 20 Year Warranty, Deduct	-0.28	
			For 15 Year Warranty, Deduct	-0.57	
			For 10 Year Warranty, Deduct	-0.77	
			For Winds >90 MPH To 120 MPH Warranty, Add	0.10	
07 76 19 00-0004	SF		2" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF	5.68	
			For 20 Year Warranty, Deduct	-0.33	
			For 15 Year Warranty, Deduct	-0.66	
			For 10 Year Warranty, Deduct	-0.90	
			For Winds >90 MPH To 120 MPH Warranty, Add	0.10	
07 76 19 00-0005	SF		3" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF	6.80	
			For 20 Year Warranty, Deduct	-0.41	
			For 15 Year Warranty, Deduct	-0.83	
			For 10 Year Warranty, Deduct	-1.13	
			For Winds >90 MPH To 120 MPH Warranty, Add	0.10	
07 80			Fire And Smoke Protection <small>(07)</small>		
07 81			Applied Fireproofing <small>(07 80)</small>		
			Note: Includes bonding agents as required.		
07 81 16			Cementitious Fireproofing <small>(07 81)</small>		
07 81 16 00-0001			Monokote Fireproofing <small>(07 81 16)</small>		
07 81 16 00-0002	SF		Monokote Fireproofing For Ceiling/Decking, Per Inch Of Thickness.....	1.78	0.62
07 81 16 00-0003	SF		Monokote Fireproofing For Structural Steel, Per Inch Of Thickness	2.47	0.92
07 81 16 00-0004			Gunite Fireproofing <small>(07 81 16)</small>		
07 81 16 00-0005	SF		Fireproofing, Gunite, Non Reinforced, 1" Thick.....	2.63	0.62
07 81 16 00-0006	SF		Fireproofing, Gunite, Reinforced, 1" Thick	3.70	0.62
07 81 23			Intumescent Fireproofing <small>(07 81)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 81 23 00-0001			Intumescent Thin Film Fireproofing (Albi Clad TF) <small>(07 81 23)</small>		
07 81 23 00-0002			Intumescent Thin Film Fireproofing For Beams (Albi Clad TF) <small>(07 81 23 00-0001)</small>		
			Note: Excludes primer.		
07 81 23 00-0003	SF		1 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF)	10.04	
			<i>For >10,000, Deduct</i>	-0.95	
07 81 23 00-0004	SF		1-1/2 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF)	15.94	
			<i>For >10,000, Deduct</i>	-1.53	
07 81 23 00-0005			Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) <small>(07 81 23 00-0001)</small>		
			Note: Excludes primer.		
07 81 23 00-0006	SF		1 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	6.69	
			<i>For >10,000, Deduct</i>	-0.61	
07 81 23 00-0007	SF		1-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	14.35	
			<i>For >10,000, Deduct</i>	-1.37	
07 81 23 00-0008	SF		2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	31.96	
			<i>For >10,000, Deduct</i>	-3.12	
07 81 23 00-0009	SF		2-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	43.87	
			<i>For >10,000, Deduct</i>	-4.31	
07 81 23 00-0010	SF		3 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	55.76	
			<i>For >10,000, Deduct</i>	-5.50	
07 81 23 00-0011	SF		3-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	67.68	
			<i>For >10,000, Deduct</i>	-6.68	
07 81 23 00-0012			Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) <small>(07 81 23 00-0001)</small>		
			Note: Excludes primer.		
07 81 23 00-0013	SF		1 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	13.09	
			<i>For >10,000, Deduct</i>	-1.25	
07 81 23 00-0014	SF		1-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	24.00	
			<i>For >10,000, Deduct</i>	-2.33	
07 81 23 00-0015	SF		2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	37.87	
			<i>For >10,000, Deduct</i>	-3.72	
07 81 23 00-0016	SF		2-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	52.74	
			<i>For >10,000, Deduct</i>	-5.20	
07 81 23 00-0017	SF		3 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	66.61	
			<i>For >10,000, Deduct</i>	-6.58	
07 81 23 00-0018			Intumescent Thin Film Fireproofing (Albi Clad FP) <small>(07 81 23)</small>		
07 81 23 00-0019			Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) <small>(07 81 23 00-0018)</small>		
			Note: Excludes primer.		
07 81 23 00-0020	SF		1 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	6.43	
			<i>For >10,000, Deduct</i>	-0.60	
07 81 23 00-0021	SF		1-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	14.31	
			<i>For >10,000, Deduct</i>	-1.38	
07 81 23 00-0022	SF		2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	32.44	
			<i>For >10,000, Deduct</i>	-3.19	
07 81 23 00-0023	SF		2-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	44.69	
			<i>For >10,000, Deduct</i>	-4.41	
07 81 23 00-0024	SF		3 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	56.94	
			<i>For >10,000, Deduct</i>	-5.64	
07 81 33			Mineral-Fiber Fireproofing <small>(07 81)</small>		
07 81 33 00-0001			Cellulose Fireproofing <small>(07 81 33)</small>		
07 81 33 00-0002	SF		Cellulose Fireproofing, Per Inch Of Thickness.....	2.28	0.62
07 84			Firestopping <small>(07 80)</small>		
07 84 13			Penetration Firestopping <small>(07 84)</small>		
07 84 13 16			Penetration Firestopping Devices <small>(07 84 13)</small>		
07 84 13 16-0001			Firestopping Systems For Cable Penetrations <small>(07 84 13 16)</small>		
07 84 13 16-0002			Intumescent Firestop Cable Sleeve For New Installations <small>(07 84 13 16-0001)</small>		
			Note: Includes putty, escutcheon plates, gaskets and bushings.		
07 84 13 16-0003	EA		1" Diameter Intumescent Firestop Sleeve (STI FS100)	54.45	
07 84 13 16-0004	EA		2" Diameter Intumescent Firestop Sleeve (STI FS201)	73.31	
07 84 13 16-0005	EA		4" Diameter Intumescent Firestop Sleeve (STI FS401)	119.18	

07 Thermal And Moisture Protection**07 80 Fire And Smoke Protection****07 84 Firestopping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 84 13 16-0006	Intumescent Firestop Cable Pathway For New Or Existing Cable Installations <small>(07 84 13 16-0001)</small> Note: Includes putty and mounting plates.		
07 84 13 16-0007	EA 1-1/64" x 1-1/64" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZD22)	99.71	
07 84 13 16-0008	EA 3" x 3" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZDP33FWS)	175.09	
07 84 13 16-0009	EA 4" x 4-5/8" Intumescent Firestop Cable Pathway Through Up To 10" Thick Walls (STI EZDP44)	320.83	
07 84 13 16-0010	3M Intumescent Firestopping Multi-Trade Pass Through Device <small>(07 84 13 16)</small>		
07 84 13 16-0011	EA 2.5" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)	225.16	
07 84 13 16-0012	EA 4" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP4SD)	208.50	
07 84 13 16-0013	EA 4" Diameter Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)	214.83	
07 84 13 16-0014	Intumescent Firestopping Pipe Collar <small>(07 84 13 16)</small>		
07 84 13 16-0015	EA 1-1/2" Intumescent Firestop Pipe Collar (3M ULTRAPPD1.5)	33.60	9.55
07 84 13 16-0016	EA 2" Intumescent Firestop Pipe Collar (3M ULTRAPPD2.0)	40.58	9.55
07 84 13 16-0017	EA 3" Intumescent Firestop Pipe Collar (3M ULTRAPPD3.0)	47.23	10.51
07 84 13 16-0018	EA 4" Intumescent Firestop Pipe Collar (3M ULTRAPPD4.0)	74.07	11.95
07 84 13 16-0019	EA 8" Intumescent Firestop Pipe Collar (Hilti CP644 8")	365.41	14.33
07 84 13 16-0020	EA 10" Intumescent Firestop Pipe Collar (Hilti CP644 10")	472.19	15.77
07 84 13 16-0021	Fire Rated Enclosures (Fire Rated Product Specialties Corp.) <small>(07 84 13 16)</small> Note: Includes fasteners. Excludes additional perimeter caulk where required. See CSI section 07 84 43 00-0001 for perimeter sealant caulk where required.		
07 84 13 16-0022	EA 12.2" Wide x 20.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9)	118.30	
07 84 13 16-0023	EA 15.2" Wide x 16.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-15-16-9)	124.11	
07 84 13 16-0024	EA 11.8" Wide x 19.8" Long x 9.12" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9-EXH)	228.88	
07 84 13 16-0025	EA 14.0" Wide x 14.0" Long x 3.2" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-14-14-3)	149.70	
07 84 13 16-0026	Intumescent Firestopping Wrap Strips <small>(07 84 13 16)</small>		
07 84 13 16-0027	LF 1/8" Thick, 1-1/2" Wide, Intumescent Firestopping Wrap Strip (STI SpecSeal SSW Series)	5.40	
07 84 13 19	Penetration Firestopping Caulk <small>(07 84 13)</small>		
07 84 13 19-0001	Intumescent Firestopping For Sealing Pipe Penetrations <small>(07 84 13 19)</small> Note: Includes firestop caulk and batt for floor or ceiling penetration or one side of a wall penetration. 1/2" thick caulk for annular spaces 1" and less. 1" thick caulk for annular spaces 1-1/4" or more.		
07 84 13 19-0002	EA 1" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant	19.44	
	For Intumescent Sealant For Plastic Pipe, Add	0.06	
	For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	0.02	
07 84 13 19-0003	EA 1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant	23.94	
	For Intumescent Sealant For Plastic Pipe, Add	0.32	
	For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	0.12	
07 84 13 19-0004	EA 1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant	23.74	
	For Intumescent Sealant For Plastic Pipe, Add	0.24	
	For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	0.09	
07 84 13 19-0005	EA 1-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant	23.41	
	For Intumescent Sealant For Plastic Pipe, Add	0.10	
	For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	0.04	
07 84 13 19-0006	EA 2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant	27.74	
	For Intumescent Sealant For Plastic Pipe, Add	0.68	
	For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	0.25	
07 84 13 19-0007	EA 2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant	27.54	
	For Intumescent Sealant For Plastic Pipe, Add	0.60	
	For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	0.22	
07 84 13 19-0008	EA 2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant	27.21	
	For Intumescent Sealant For Plastic Pipe, Add	0.46	
	For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	0.17	
07 84 13 19-0009	EA 2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant	26.69	
	For Intumescent Sealant For Plastic Pipe, Add	0.26	
	For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	0.10	
07 84 13 19-0010	EA 2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant	26.25	
	For Intumescent Sealant For Plastic Pipe, Add	0.08	
	For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	0.03	
07 84 13 19-0011	EA 2.5" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant	33.71	
	For Intumescent Sealant For Plastic Pipe, Add	1.14	
	For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	0.43	
07 84 13 19-0012	EA 2.5" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant	33.52	
	For Intumescent Sealant For Plastic Pipe, Add	1.06	
	For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	0.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0013 EA 2.5" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant	33.18	
For Intumescent Sealant For Plastic Pipe, Add	0.92	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	0.35	
07 84 13 19-0014 EA 2.5" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant	32.66	
For Intumescent Sealant For Plastic Pipe, Add	0.72	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	0.27	
07 84 13 19-0015 EA 2.5" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant	32.22	
For Intumescent Sealant For Plastic Pipe, Add	0.54	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	0.20	
07 84 13 19-0016 EA 2.5" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant	31.18	
For Intumescent Sealant For Plastic Pipe, Add	0.12	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	0.05	
07 84 13 19-0017 EA 3" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant	46.25	
For Intumescent Sealant For Plastic Pipe, Add	3.06	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	1.15	
07 84 13 19-0018 EA 3" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant	42.65	
For Intumescent Sealant For Plastic Pipe, Add	1.62	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	0.61	
07 84 13 19-0019 EA 3" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant	42.31	
For Intumescent Sealant For Plastic Pipe, Add	1.49	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	0.56	
07 84 13 19-0020 EA 3" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant	41.79	
For Intumescent Sealant For Plastic Pipe, Add	1.28	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	0.48	
07 84 13 19-0021 EA 3" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant	41.36	
For Intumescent Sealant For Plastic Pipe, Add	1.11	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	0.42	
07 84 13 19-0022 EA 3" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant	40.31	
For Intumescent Sealant For Plastic Pipe, Add	0.69	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	0.26	
07 84 13 19-0023 EA 3" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant	38.97	
For Intumescent Sealant For Plastic Pipe, Add	0.15	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	0.06	
07 84 13 19-0024 EA 4" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant	62.36	
For Intumescent Sealant For Plastic Pipe, Add	5.65	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	2.12	
07 84 13 19-0025 EA 4" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant	61.99	
For Intumescent Sealant For Plastic Pipe, Add	5.50	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	2.06	
07 84 13 19-0026 EA 4" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant	61.40	
For Intumescent Sealant For Plastic Pipe, Add	5.27	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	1.98	
07 84 13 19-0027 EA 4" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant	60.47	
For Intumescent Sealant For Plastic Pipe, Add	4.90	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	1.84	
07 84 13 19-0028 EA 4" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant	59.68	
For Intumescent Sealant For Plastic Pipe, Add	4.58	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	1.72	
07 84 13 19-0029 EA 4" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant	53.55	
For Intumescent Sealant For Plastic Pipe, Add	2.13	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	0.80	
07 84 13 19-0030 EA 4" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant	52.20	
For Intumescent Sealant For Plastic Pipe, Add	1.59	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	0.60	
07 84 13 19-0031 EA 4" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant	50.15	
For Intumescent Sealant For Plastic Pipe, Add	0.77	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	0.29	
07 84 13 19-0032 EA 6" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant	100.13	
For Intumescent Sealant For Plastic Pipe, Add	13.04	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	4.89	
07 84 13 19-0033 EA 6" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant	99.77	
For Intumescent Sealant For Plastic Pipe, Add	12.90	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	4.84	
07 84 13 19-0034 EA 6" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant	99.17	
For Intumescent Sealant For Plastic Pipe, Add	12.66	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	4.75	
07 84 13 19-0035 EA 6" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant	98.24	
For Intumescent Sealant For Plastic Pipe, Add	12.28	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	4.61	
07 84 13 19-0036 EA 6" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant	97.45	
For Intumescent Sealant For Plastic Pipe, Add	11.97	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	4.49	
07 84 13 19-0037 EA 6" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant	95.58	
For Intumescent Sealant For Plastic Pipe, Add	11.22	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	4.21	
07 84 13 19-0038 EA 6" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant	93.15	
For Intumescent Sealant For Plastic Pipe, Add	10.25	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	3.84	
07 84 13 19-0039 EA 6" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant	89.47	
For Intumescent Sealant For Plastic Pipe, Add	8.78	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	3.29	
07 84 13 19-0040 EA 6" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant	75.62	
For Intumescent Sealant For Plastic Pipe, Add	3.24	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	1.21	

07 Thermal And Moisture Protection**07 80 Fire And Smoke Protection****07 84 Firestopping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0041	EA		8" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant	133.49	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	20.60	
			<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	7.72	
07 84 13 19-0042	EA		8" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant	129.80	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	19.12	
			<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	7.17	
07 84 13 19-0043	EA		8" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant	122.42	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	16.17	
			<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	6.06	
07 84 13 19-0044	EA		8" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant	92.29	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	4.12	
			<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	1.54	
07 84 13 19-0045	EA		10" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant.....	170.15	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	29.47	
			<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	11.05	
07 84 13 19-0046	EA		10" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant.....	148.24	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	20.71	
			<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	7.77	
07 84 13 19-0047	EA		10" Diameter Hole With 8" Pipe, Sealed With Intumescent Firestop Sealant.....	109.57	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	5.24	
			<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	1.97	

07 84 13 19-0048 Smoke, Noise And Infectious/Dust Control Sealant For Sealing Pipe**Penetrations** (07 84 13 19)

Note: Includes sealant and fiberglass or mineral wool batt for floor, ceiling or wall penetrations.

07 84 13 19-0049	EA		1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	23.42	
07 84 13 19-0050	EA		1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	23.34	
07 84 13 19-0051	EA		1-1/2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	23.24	
07 84 13 19-0052	EA		2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	26.61	
07 84 13 19-0053	EA		2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	26.54	
07 84 13 19-0054	EA		2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	26.43	
07 84 13 19-0055	EA		2" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	26.27	
07 84 13 19-0056	EA		2" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	26.13	
07 84 13 19-0057	EA		2.5" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	31.85	
07 84 13 19-0058	EA		2.5" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	31.78	
07 84 13 19-0059	EA		2.5" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	31.67	
07 84 13 19-0060	EA		2.5" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	31.51	
07 84 13 19-0061	EA		2.5" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	31.37	
07 84 13 19-0062	EA		2.5" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	31.01	
07 84 13 19-0063	EA		3" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	40.04	
07 84 13 19-0064	EA		3" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	39.97	
07 84 13 19-0065	EA		3" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	39.86	
07 84 13 19-0066	EA		3" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	39.70	
07 84 13 19-0067	EA		3" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	39.56	
07 84 13 19-0068	EA		3" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	39.20	
07 84 13 19-0069	EA		3" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	38.70	
07 84 13 19-0070	EA		4" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	50.93	
07 84 13 19-0071	EA		4" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	50.85	
07 84 13 19-0072	EA		4" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	50.75	
07 84 13 19-0073	EA		4" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	50.57	
07 84 13 19-0074	EA		4" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	50.40	
07 84 13 19-0075	EA		4" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	50.04	
07 84 13 19-0076	EA		4" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	49.59	
07 84 13 19-0077	EA		4" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	48.88	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	07 84 13 19-0078	EA		6" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	73.74	
	07 84 13 19-0079	EA		6" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	73.67	
	07 84 13 19-0080	EA		6" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	73.56	
	07 84 13 19-0081	EA		6" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	73.40	
	07 84 13 19-0082	EA		6" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	73.26	
	07 84 13 19-0083	EA		6" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	72.90	
	07 84 13 19-0084	EA		6" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	72.41	
	07 84 13 19-0085	EA		6" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	71.74	
	07 84 13 19-0086	EA		6" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	70.28	
	07 84 13 19-0087	EA		8" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	91.82	
	07 84 13 19-0088	EA		8" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	91.14	
	07 84 13 19-0089	EA		8" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	89.69	
	07 84 13 19-0090	EA		8" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	85.56	
	07 84 13 19-0091	EA		10" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	110.52	
	07 84 13 19-0092	EA		10" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	106.39	
	07 84 13 19-0093	EA		10" Diameter Hole With 8" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	100.93	
07 84 16 Annular Space Firestopping Protection (07 84)						
	07 84 16 00-0001			Intumescent Firestopping For Electrical Outlet Boxes (07 84 16)		
	07 84 16 00-0002			Intumescent Putty Pads For Wrapping Outlet Box Exteriors (07 84 16 00-0001)		
	07 84 16 00-0003	EA		1 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	30.37	
	07 84 16 00-0004	EA		2 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	43.38	
	07 84 16 00-0005	EA		3 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	45.31	
	07 84 16 00-0006	EA		4 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	47.24	
	07 84 16 00-0007	EA		5 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	49.17	
	07 84 16 00-0008	EA		6 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	62.18	
	07 84 16 00-0009			Intumescent Firestop Gasket For Wall Plates (07 84 16 00-0001)		
	07 84 16 00-0010	EA		Single Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66276).....	12.32	
	07 84 16 00-0011	EA		Double Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66274).....	12.79	
	07 84 16 00-0012	EA		Single Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66272).....	11.93	
	07 84 16 00-0013	EA		Double Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66270).....	12.83	
	07 84 16 00-0014	EA		Single Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66266).....	12.48	
	07 84 16 00-0015	EA		Double Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66265).....	11.99	
	07 84 16 00-0016			Intumescent Fire Barrier Pillows For Sealing Large Openings (07 84 16)		
	07 84 16 00-0017	EA		2" x 4" x 9" Intumescent Fire Barrier Pillow (3M FB249).....	31.30	
	07 84 16 00-0018	EA		2" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB269).....	33.57	
	07 84 16 00-0019	EA		3" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB369).....	36.37	
	07 84 16 00-0020			Intumescent Fire Barrier Sheets For Sealing Large Openings (07 84 16)		
				Note: Price includes intumescent sheet, mounting fasteners and caulk for sealing one side of an opening.		
	07 84 16 00-0021	EA		16" x 28" Intumescent Firestop Sheet (3M CS-195+16x28).....	284.11	
	07 84 16 00-0022	EA		36" x 24" Intumescent Firestop Sheet (3M CS-195+3x2).....	400.64	
	07 84 16 00-0023	EA		36" x 36" Intumescent Firestop Sheet (3M CS-195+3x3).....	542.35	
	07 84 16 00-0024			Endothermic Mat Wrap Fire Barrier (07 84 16)		
				Note: Price includes endothermic mat wrap and sealant. Excludes cavity fill material; putty or fireproof caulk/sealant. See CSI section 07 84 16 00-0026 for filling openings.		
	07 84 16 00-0025	SF		0.408" Thick Aluminum Foil Faced Endothermic Mat (3M Interam E-5A-4).....	42.98	
	07 84 16 00-0026			Firestopping Caulk For Filling Opening (07 84 16)		
	07 84 16 00-0027	GAL		Latex Based Intumescent Fire Barrier Sealant (3M CP-25WB+).....	160.02	
	07 84 16 00-0028			Firestopping Mortar For Filling Opening (07 84 16)		
	07 84 16 00-0029	CF		Light-Weight Portland Cement-Based Firestop Mortar (STI SpecSeal SSM Series).....	143.78	

07 Thermal And Moisture Protection**07 80 Fire And Smoke Protection****07 84 Firestopping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**07 84 23 Silicone Firestopping Foams** (07 84)**07 84 23 00-0001 Silicone RTV Foam Seal For Blank Openings** (07 84 23)

07 84 23 00-0002	EA	2" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam	38.10	
07 84 23 00-0003	EA	4" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam	92.58	
07 84 23 00-0004	EA	6" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam	165.26	
07 84 23 00-0005	EA	8" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam	254.00	
07 84 23 00-0006	EA	10" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam	363.69	
07 84 23 00-0007	EA	12" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam	489.53	

07 84 43 Joint Firestopping (07 84)**07 84 43 00-0001 Intumescent Firestopping Sealant For Joints (3M CP 25WB+)** (07 84 43)

07 84 43 00-0002	CLF	1/4" x 1/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	338.90	86.82
		For Up To 6 CLF, Add	18.91	
		For >30 CLF, Deduct	-20.87	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	11.77	
07 84 43 00-0003	CLF	1/4" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	378.15	86.82
		For Up To 4 CLF, Add	21.85	
		For >20 CLF, Deduct	-24.79	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	17.65	
07 84 43 00-0004	CLF	1/4" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	427.02	89.72
		For Up To 3 CLF, Add	25.27	
		For >15 CLF, Deduct	-29.20	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	23.54	
07 84 43 00-0005	CLF	3/8" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	446.64	89.72
		For Up To 2.5 CLF, Add	26.75	
		For >13 CLF, Deduct	-31.16	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	26.48	
07 84 43 00-0006	CLF	3/8" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	505.48	89.72
		For Up To 2 CLF, Add	31.16	
		For >10 CLF, Deduct	-37.04	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	35.31	
07 84 43 00-0007	CLF	3/8" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	564.32	89.72
		For Up To 1.5 CLF, Add	35.57	
		For >8 CLF, Deduct	-42.93	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	44.13	
07 84 43 00-0008	CLF	3/8" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	632.81	93.58
		For Up To 1.3 CLF, Add	40.47	
		For >7 CLF, Deduct	-49.29	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	52.96	
07 84 43 00-0009	CLF	1/2" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	593.58	93.58
		For Up To 1.4 CLF, Add	37.52	
		For >7.5 CLF, Deduct	-45.37	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	47.07	
07 84 43 00-0010	CLF	1/2" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	681.68	96.47
		For Up To 1.15 CLF, Add	43.89	
		For >6 CLF, Deduct	-53.70	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	58.84	
07 84 43 00-0011	CLF	1/2" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	760.14	96.47
		For Up To 1 CLF, Add	49.78	
		For >5 CLF, Deduct	-61.54	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	70.61	
07 84 43 00-0012	CLF	1/2" x 7/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	848.24	99.37
		For Up To 0.8 CLF, Add	56.14	
		For >4.5 CLF, Deduct	-69.87	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	82.38	
07 84 43 00-0013	CLF	1/2" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	936.35	103.23
		For Up To 0.75 CLF, Add	62.51	
		For >4 CLF, Deduct	-78.20	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	94.15	
07 84 43 00-0014	CLF	3/4" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,024.45	106.12
		For Up To 0.65 CLF, Add	68.88	
		For >3.5 CLF, Deduct	-86.53	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	105.92	
07 84 43 00-0015	CLF	3/4" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,288.76	115.76
		For Up To 0.5 CLF, Add	87.97	
		For >2.5 CLF, Deduct	-111.51	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	141.22	
07 84 43 00-0016	CLF	1" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,641.17	128.31
		For Up To 0.4 CLF, Add	113.44	
		For >2 CLF, Deduct	-144.82	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	188.30	

07 84 43 00-0017 Latex-Based, Intumescent Firestop Sealant For Joints (STI SSS Series) (07 84)

07 84 43 00-0018	CLF	1/4" x 1/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	349.82	86.82
		For Up To 6 CLF, Add	19.73	
		For >30 CLF, Deduct	-21.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0019 CLF 1/4" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) <i>For Up To 4 CLF, Add</i> <i>For >20 CLF, Deduct</i>	394.51 23.08 -26.43	86.82
07 84 43 00-0020 CLF 1/4" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) <i>For Up To 3 CLF, Add</i> <i>For >15 CLF, Deduct</i>	448.84 26.91 -31.38	89.72
07 84 43 00-0021 CLF 3/8" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) <i>For Up To 2.5 CLF, Add</i> <i>For >13 CLF, Deduct</i>	471.18 28.59 -33.61	89.72
07 84 43 00-0022 CLF 3/8" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) <i>For Up To 2 CLF, Add</i> <i>For >10 CLF, Deduct</i>	538.20 33.61 -40.31	89.72
07 84 43 00-0023 CLF 3/8" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) <i>For Up To 1.5 CLF, Add</i> <i>For >8 CLF, Deduct</i>	605.23 38.64 -47.02	89.72
07 84 43 00-0024 CLF 3/8" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) <i>For Up To 1.3 CLF, Add</i> <i>For >7 CLF, Deduct</i>	681.90 44.15 -54.20	93.58
07 84 43 00-0025 CLF 1/2" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) <i>For Up To 1.4 CLF, Add</i> <i>For >7.5 CLF, Deduct</i>	637.22 40.80 -49.73	93.58
07 84 43 00-0026 CLF 1/2" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) <i>For Up To 1.15 CLF, Add</i> <i>For >6 CLF, Deduct</i>	736.22 47.98 -59.15	96.47
07 84 43 00-0027 CLF 1/2" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) <i>For Up To 1 CLF, Add</i> <i>For >5 CLF, Deduct</i>	825.59 54.68 -68.09	96.47
07 84 43 00-0028 CLF 1/2" x 7/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) <i>For Up To 0.8 CLF, Add</i> <i>For >4.5 CLF, Deduct</i>	924.60 61.87 -77.51	99.37
07 84 43 00-0029 CLF 1/2" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) <i>For Up To 0.75 CLF, Add</i> <i>For >4 CLF, Deduct</i>	1,023.61 69.05 -86.93	103.23
07 84 43 00-0030 CLF 3/4" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) <i>For Up To 0.65 CLF, Add</i> <i>For >3.5 CLF, Deduct</i>	1,122.63 76.24 -96.35	106.12
07 84 43 00-0031 CLF 3/4" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) <i>For Up To 0.5 CLF, Add</i> <i>For >2.5 CLF, Deduct</i>	1,419.66 97.79 -124.60	115.76
07 84 43 00-0032 CLF 1" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) <i>For Up To 0.4 CLF, Add</i> <i>For >2 CLF, Deduct</i>	1,815.70 126.53 -162.28	128.31
07 84 43 00-0033 Passive Smoke And Fire Protection Sealant For Joints (STI ES Series) ^(07 84 43)		
07 84 43 00-0034 CLF 1/4" x 1/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 6 CLF, Add</i> <i>For >30 CLF, Deduct</i>	306.68 16.49 -17.65	86.82
07 84 43 00-0035 CLF 1/4" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 4 CLF, Add</i> <i>For >20 CLF, Deduct</i>	329.79 18.22 -19.96	86.82
07 84 43 00-0036 CLF 1/4" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 3 CLF, Add</i> <i>For >15 CLF, Deduct</i>	362.56 20.44 -22.75	89.72
07 84 43 00-0037 CLF 3/8" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 2.5 CLF, Add</i> <i>For >13 CLF, Deduct</i>	374.11 21.31 -23.91	89.72
07 84 43 00-0038 CLF 3/8" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 2 CLF, Add</i> <i>For >10 CLF, Deduct</i>	408.78 23.91 -27.37	89.72
07 84 43 00-0039 CLF 3/8" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 1.5 CLF, Add</i> <i>For >8 CLF, Deduct</i>	443.45 26.51 -30.84	89.72
07 84 43 00-0040 CLF 3/8" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 1.3 CLF, Add</i> <i>For >7 CLF, Deduct</i>	487.76 29.59 -34.79	93.58
07 84 43 00-0041 CLF 1/2" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 1.4 CLF, Add</i> <i>For >7.5 CLF, Deduct</i>	464.65 27.85 -32.48	93.58
07 84 43 00-0042 CLF 1/2" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 1.15 CLF, Add</i> <i>For >6 CLF, Deduct</i>	520.51 31.80 -37.58	96.47
07 84 43 00-0043 CLF 1/2" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 1 CLF, Add</i> <i>For >5 CLF, Deduct</i>	566.74 35.27 -42.20	96.47

07 Thermal And Moisture Protection**07 80 Fire And Smoke Protection****07 84 Firestopping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0044	CLF		1/2" x 7/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	622.61	99.37
			<i>For Up To 0.8 CLF, Add</i>	39.22	
			<i>For >4.5 CLF, Deduct</i>	-47.31	
07 84 43 00-0045	CLF		1/2" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	678.48	103.23
			<i>For Up To 0.75 CLF, Add</i>	43.17	
			<i>For >4 CLF, Deduct</i>	-52.41	
07 84 43 00-0046	CLF		3/4" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	734.36	106.12
			<i>For Up To 0.65 CLF, Add</i>	47.12	
			<i>For >3.5 CLF, Deduct</i>	-57.52	
07 84 43 00-0047	CLF		3/4" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	901.96	115.76
			<i>For Up To 0.5 CLF, Add</i>	58.96	
			<i>For >2.5 CLF, Deduct</i>	-72.83	
07 84 43 00-0048	CLF		1" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	1,125.44	128.31
			<i>For Up To 0.4 CLF, Add</i>	74.76	
			<i>For >2 CLF, Deduct</i>	-93.25	

07 84 56 Fire Safing (07 84)**07 84 56 13 Fibrous Fire Safing** (07 84 56)**07 84 56 13-0001 Thermal Barrier Wrap** (07 84 56 13)

Note: Includes cutting wrap to fit pipe or conduit and sealing edges.

07 84 56 13-0002	SF		1/2" Thick Fire Barrier Plenum Wrap (3M Plenum Wrap 5A).....	8.80	
			<i>For Work In Restricted Working Space, Add</i>	1.16	
07 84 56 13-0003	SF		1-1/2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 15A).....	14.14	
			Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
			<i>For Work In Restricted Working Space, Add</i>	1.16	
07 84 56 13-0004	SF		2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 20A).....	15.43	
			Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
			<i>For Work In Restricted Working Space, Add</i>	1.16	

07 84 56 13-0005 FireMaster Blanket Wrap Fireproofing (07 84 56 13)

07 84 56 13-0006	SF		1/2" Thermal Ceramics FireMaster Blanket Wrap.....	16.83	10.00
			<i>For Work In Restricted Working Space, Add</i>	4.02	
			<i>For >500 To 5,000, Deduct</i>	-1.46	
			<i>For >5,000, Deduct</i>	-2.61	
07 84 56 13-0007	SF		1" Thermal Ceramics FireMaster Blanket Wrap.....	19.68	10.00
			<i>For Work In Restricted Working Space, Add</i>	4.02	
			<i>For >500 To 5,000, Deduct</i>	-2.12	
			<i>For >5,000, Deduct</i>	-3.67	
07 84 56 13-0008	SF		1-1/2" Thermal Ceramics FireMaster Blanket Wrap.....	22.81	10.00
			<i>For Work In Restricted Working Space, Add</i>	4.02	
			<i>For >500 To 5,000, Deduct</i>	-2.84	
			<i>For >5,000, Deduct</i>	-4.82	
07 84 56 13-0009	SF		2" Thermal Ceramics FireMaster Blanket Wrap.....	25.94	10.00
			<i>For Work In Restricted Working Space, Add</i>	4.02	
			<i>For >500 To 5,000, Deduct</i>	-3.56	
			<i>For >5,000, Deduct</i>	-5.98	

07 90 Joint Protection (07)**07 91 Preformed Joint Seals** (07 90)**07 91 23 Backer Rods** (07 91)**07 91 23 00-0001 Backer Rods** (07 91 23)

07 91 23 00-0002	LF		1/4" Polyethylene Or Polyurethane Backer Rod.....	1.42	0.44
07 91 23 00-0003	LF		3/8" Polyethylene Or Polyurethane Backer Rod.....	1.53	0.44
07 91 23 00-0004	LF		1/2" Polyethylene Or Polyurethane Backer Rod.....	1.64	0.44
07 91 23 00-0005	LF		5/8" Polyethylene Or Polyurethane Backer Rod.....	1.75	0.44
07 91 23 00-0006	LF		3/4" Polyethylene Or Polyurethane Backer Rod.....	1.81	0.53
07 91 23 00-0007	LF		7/8" Polyethylene Or Polyurethane Backer Rod.....	1.91	0.53
07 91 23 00-0008	LF		1" Polyethylene Or Polyurethane Backer Rod.....	2.10	0.53
07 91 23 00-0009	LF		1-1/4" Polyethylene Or Polyurethane Backer Rod.....	2.31	0.62
07 91 23 00-0010	LF		1-1/2" Polyethylene Or Polyurethane Backer Rod.....	2.58	0.71
07 91 23 00-0011	LF		2" Polyethylene Or Polyurethane Backer Rod.....	3.01	0.79
07 91 23 00-0012	LF		3" Polyethylene Or Polyurethane Backer Rod.....	4.50	0.97

07 91 26 Joint Fillers (07 91)**07 91 26 00-0001 Butyl Rubber Fillers** (07 91 26)

07 91 26 00-0002	LF		1/4" x 1/4" Butyl Rubber Filler.....	1.77	0.53
			<i>For Custom Match Coloring, Add</i>	0.00	
07 91 26 00-0003	LF		1/2" x 1/2" Butyl Rubber Filler.....	5.07	1.51
			<i>For Custom Match Coloring, Add</i>	0.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 26 00-0004 LF 1/2" x 3/4" Butyl Rubber Filler <i>For Custom Match Coloring, Add</i>	5.77 0.03	1.60
07 91 26 00-0005 LF 3/4" x 3/4" Butyl Rubber Filler	5.86	1.69
07 91 26 00-0006 LF 1" x 1" Butyl Rubber Filler	6.79	3.10
07 91 26 00-0007 Closed Cell Neoprene <small>(07 91 26)</small>		
07 91 26 00-0008 CLF 1/8" x 3" Neoprene Gasket Closed Cell, Adhesive	354.42	102.15
07 91 26 00-0009 CLF 1/8" x 6" Neoprene Gasket Closed Cell, Adhesive	575.54	147.57
07 91 26 00-0010 CLF 1/4" x 3" Neoprene Gasket Closed Cell, Adhesive	456.40	126.50
07 91 26 00-0011 CLF 1/4" x 6" Neoprene Gasket Closed Cell, Adhesive	531.01	132.78
07 91 26 00-0012 CLF 1/2" x 6" Neoprene Gasket Closed Cell, Adhesive	809.90	204.30
07 91 26 00-0013 CLF 1/2" x 9" Neoprene Gasket Closed Cell, Adhesive	931.57	221.31
07 91 26 00-0014 CLF 1/2" x 12" Neoprene Gasket Closed Cell, Adhesive	858.99	160.93
07 91 26 00-0015 Closed Cell Polyvinyl Chloride <small>(07 91 26)</small>		
07 91 26 00-0016 CLF 1/8" x 3" Polyethylene Joint Backing, Closed Cell	365.44	126.50
07 91 26 00-0017 CLF 1/8" x 6" Polyethylene Joint Backing, Closed Cell	641.67	204.30
07 91 26 00-0018 CLF 1/4" x 3" Polyethylene Joint Backing, Closed Cell	484.56	174.39
07 91 26 00-0019 CLF 1/4" x 6" Polyethylene Joint Backing, Closed Cell	600.81	184.12
07 91 26 00-0020 CLF 1/2" x 6" Polyethylene Joint Backing, Closed Cell	913.38	282.38
07 91 26 00-0021 CLF 1/2" x 9" Polyethylene Joint Backing, Closed Cell	1,084.64	306.46
07 91 26 00-0022 CLF 1/2" x 12" Polyethylene Joint Backing, Closed Cell	1,461.16	367.36
07 91 26 00-0023 Silicon RTV Foam Penetration Seal <small>(07 91 26)</small>		
07 91 26 00-0024 CLF 1/4" x 1/2" Silicon RTV Foam Seal	134.91	20.27
07 91 26 00-0025 CLF 1/2" x 1/2" Silicon RTV Foam Seal	269.82	40.46
07 91 26 00-0026 CLF 1/2" x 3/4" Silicon RTV Foam Seal	402.46	60.11
07 91 26 00-0027 CLF 3/4" x 3/4" Silicon RTV Foam Seal	573.42	81.00
07 91 26 00-0028 CLF 1/8" x 1" Silicon RTV Foam Seal	134.91	20.27
07 91 26 00-0029 CLF 1/8" x 3" Silicon RTV Foam Seal	402.10	59.93
07 91 26 00-0030 CLF 1/4" x 3" Silicon RTV Foam Seal	704.57	90.03
07 91 26 00-0031 CLF 1/4" x 6" Silicon RTV Foam Seal	1,407.57	179.43
07 91 26 00-0032 CLF 1/2" x 6" Silicon RTV Foam Seal	2,693.18	323.90
07 91 26 00-0033 CLF 1/2" x 9" Silicon RTV Foam Seal	4,104.88	505.98
07 91 26 00-0034 CLF 1/2" x 12" Silicon RTV Foam Seal	5,936.55	809.61
07 91 26 00-0035 Seals O-Ring Type Cord "J-Seal" <small>(07 91 26)</small>		
07 91 26 00-0036 LF 1/4" Seals O-Ring Cord, J-Seal	3.78	1.15
07 91 26 00-0037 LF 1/2" Seals O-Ring Cord, J-Seal	4.01	1.15
07 91 26 00-0038 LF 3/4" Seals O-Ring Cord, J-Seal	4.22	1.23
07 91 26 00-0039 LF 1" Seals O-Ring Cord, J-Seal	4.46	1.32
07 91 26 00-0040 LF 1-1/4" Seals O-Ring Cord, J-Seal	4.79	1.42
07 91 26 00-0041 LF 1-1/2" Seals O-Ring Cord, J-Seal	5.02	1.42
07 91 26 00-0042 LF 1-3/4" Seals O-Ring Cord, J-Seal	5.31	1.51
07 91 26 00-0043 LF 2" Seals O-Ring Cord, J-Seal	5.50	1.51
07 91 33 Expansion Joint Seal Systems <small>(07 91)</small>		
07 91 33 00-0001 Expansion Joint Seal Systems (Wabo®) <small>(07 91 33)</small>		
07 91 33 00-0002 Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® HSeal) <small>(07 91 33 00-0001)</small>		
<small>Note: Includes a pre-compressed seal, epoxy adhesive and traffic grade elastomeric top coating.</small>		
07 91 33 00-0003 LF 1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 25EH)	58.48	6.12
07 91 33 00-0004 LF 3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 40EH)	76.72	6.41
07 91 33 00-0005 LF 1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 50EH)	95.95	6.71
07 91 33 00-0006 LF 1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 65EH)	117.31	7.00
07 91 33 00-0007 LF 1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 75EH)	150.66	7.28
07 91 33 00-0008 LF 1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 90EH)	172.38	7.58
07 91 33 00-0009 LF 2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 100EH)	199.25	7.87
07 91 33 00-0010 Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal Systems (Wabo® CompressionSeal) <small>(07 91 33 00-0001)</small>		
<small>Note: Includes preformed neoprene joint seal and lubricant adhesive.</small>		
07 91 33 00-0011 LF 0.625" Minimum, 1.381" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-162)	32.44	6.12
07 91 33 00-0012 LF 0.688" Minimum, 1.488" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-175)	35.01	6.21

07 Thermal And Moisture Protection**07 90 Joint Protection****07 91 Prefomed Joint Seals**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 33 00-0013	LF		0.875" Minimum, 1.700" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-200).....	41.30	6.30
07 91 33 00-0014	LF		0.953" Minimum, 1.913" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-225).....	43.60	6.41
07 91 33 00-0015	LF		1.000" Minimum, 2.125" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-250).....	46.30	6.50
07 91 33 00-0016	LF		1.125" Minimum, 2.550" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-300).....	55.58	6.58
07 91 33 00-0017	LF		1.375" Minimum, 2.975" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-350).....	67.37	6.71
07 91 33 00-0018	LF		1.625" Minimum, 3.400" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-400).....	78.89	7.00
07 91 33 00-0019	LF		1.687" Minimum, 4.250" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-500).....	88.78	7.28
07 91 33 00-0020			Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal Systems (Wabo® CompressionSeal) (07 91 33 00-0001)		
Note: Includes prefomed Santoprene® joint seal and lubricant adhesive.					
07 91 33 00-0021	LF		0.500" Minimum, 1.500" Maximum Joint Opening, Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-100).....	28.00	6.12
07 91 33 00-0022	LF		0.688" Minimum, 1.938" Maximum Joint Opening, Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-225).....	35.09	6.41
07 91 33 00-0023	LF		1.063" Minimum, 2.125" Maximum Joint Opening, Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-250).....	42.06	6.71
07 91 33 00-0024	LF		1.250" Minimum, 2.563" Maximum Joint Opening, Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-300).....	44.22	6.85
07 91 33 00-0025	LF		1.250" Minimum, 3.375" Maximum Joint Opening, Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-400).....	48.55	7.00
07 91 33 00-0026	LF		1.438" Minimum, 4.250" Maximum Joint Opening, Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-500).....	67.31	7.28
07 91 33 00-0027	LF		1.813" Minimum, 5.125" Maximum Joint Opening, Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-600).....	90.47	7.58
07 91 33 00-0028			Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® Seismic WeatherSeal) (07 91 33 00-0001)		
Note: Includes a pre-compressed foam seal and silicone sealant.					
07 91 33 00-0029	LF		1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-100).....	20.93	2.43
07 91 33 00-0030	LF		3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-150).....	34.31	2.52
07 91 33 00-0031	LF		1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-200).....	51.06	2.62
07 91 33 00-0032	LF		1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-250).....	64.09	2.72
07 91 33 00-0033	LF		1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-300).....	83.94	2.82
07 91 33 00-0034	LF		1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-350).....	110.65	2.92
07 91 33 00-0035	LF		2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-400).....	135.44	3.01
07 91 33 00-0036	LF		2-1/2" Minimum, 7-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-500).....	182.16	3.11
07 91 33 00-0037	LF		3" Minimum, 9" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-600).....	212.45	3.21
07 91 33 00-0038			Silicone Faced Foam, Prefomed Elastomeric Expansion Joint Seal Systems (Wabo® WeatherSeal II) (07 91 33 00-0001)		
Note: Includes a pre-compressed foam seal and silicone sealant.					
07 91 33 00-0039	LF		0.75" Minimum, 1.25" Maximum Joint Opening, Silicone Faced Foam, Prefomed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-100).....	20.45	2.43
07 91 33 00-0040	LF		1.13" Minimum, 1.88" Maximum Joint Opening, Silicone Faced Foam, Prefomed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-150).....	26.64	2.52
07 91 33 00-0041	LF		1.50" Minimum, 2.50" Maximum Joint Opening, Silicone Faced Foam, Prefomed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-200).....	35.35	2.62
07 91 33 00-0042	LF		1.88" Minimum, 3.13" Maximum Joint Opening, Silicone Faced Foam, Prefomed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-250).....	47.54	2.72
07 91 33 00-0043	LF		2.25" Minimum, 3.75" Maximum Joint Opening, Silicone Faced Foam, Prefomed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-300).....	54.08	2.82
07 91 33 00-0044	LF		2.63" Minimum, 4.38" Maximum Joint Opening, Silicone Faced Foam, Prefomed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-350).....	74.55	2.92
07 91 33 00-0045	LF		3.00" Minimum, 5.00" Maximum Joint Opening, Silicone Faced Foam, Prefomed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-400).....	99.70	3.01
07 91 33 00-0046	LF		3.75" Minimum, 6.25" Maximum Joint Opening, Silicone Faced Foam, Prefomed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-500).....	107.56	3.11

07 92 Joint Sealants (07 90)**07 92 13 Elastomeric Joint Sealants (07 92)**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0001 Silicone Sealant And Caulking <small>(07 92 13)</small>		
07 92 13 00-0002 CLF 1/4" x 1/4" Joint, Silicone Sealant And Caulking	299.34	86.82
For Custom Match Coloring, Add	9.33	
For Up To 6 CLF, Add	15.94	
For >30 CLF, Deduct	-16.91	
For 1 Part Mildew Resistant, Add	13.61	
For High-Modulus Non-Acid Curing, Add	7.78	
07 92 13 00-0003 CLF 1/4" x 3/8" Joint, Silicone Sealant And Caulking	318.78	86.82
For Custom Match Coloring, Add	14.00	
For Up To 4 CLF, Add	17.40	
For >20 CLF, Deduct	-18.86	
For 1 Part Mildew Resistant, Add	20.41	
For High-Modulus Non-Acid Curing, Add	11.66	
07 92 13 00-0004 CLF 1/4" x 1/2" Joint, Silicone Sealant And Caulking	347.86	89.72
For Custom Match Coloring, Add	18.66	
For Up To 3 CLF, Add	19.34	
For >15 CLF, Deduct	-21.28	
For 1 Part Mildew Resistant, Add	27.21	
For High-Modulus Non-Acid Curing, Add	15.55	
07 92 13 00-0005 CLF 3/8" x 3/8" Joint, Silicone Sealant And Caulking	357.58	89.72
For Custom Match Coloring, Add	20.99	
For Up To 2.5 CLF, Add	20.07	
For >13 CLF, Deduct	-22.25	
For 1 Part Mildew Resistant, Add	30.61	
For High-Modulus Non-Acid Curing, Add	17.49	
07 92 13 00-0006 CLF 3/8" x 1/2" Joint, Silicone Sealant And Caulking	386.74	89.72
For Custom Match Coloring, Add	27.99	
For Up To 2 CLF, Add	22.25	
For >10 CLF, Deduct	-25.17	
For 1 Part Mildew Resistant, Add	40.82	
For High-Modulus Non-Acid Curing, Add	23.33	
07 92 13 00-0007 CLF 3/8" x 5/8" Joint, Silicone Sealant And Caulking	415.90	89.72
For Custom Match Coloring, Add	34.99	
For Up To 1.5 CLF, Add	24.44	
For >8 CLF, Deduct	-28.08	
For 1 Part Mildew Resistant, Add	51.03	
For High-Modulus Non-Acid Curing, Add	29.16	
07 92 13 00-0008 CLF 3/8" x 3/4" Joint, Silicone Sealant And Caulking	454.71	93.58
For Custom Match Coloring, Add	41.99	
For Up To 1.3 CLF, Add	27.11	
For >7 CLF, Deduct	-31.48	
For 1 Part Mildew Resistant, Add	61.23	
For High-Modulus Non-Acid Curing, Add	34.99	
07 92 13 00-0009 CLF 1/2" x 1/2" Joint, Silicone Sealant And Caulking	435.27	93.58
For Custom Match Coloring, Add	37.32	
For Up To 1.4 CLF, Add	25.65	
For >7.5 CLF, Deduct	-29.54	
For 1 Part Mildew Resistant, Add	54.43	
For High-Modulus Non-Acid Curing, Add	31.10	
07 92 13 00-0010 CLF 1/2" x 5/8" Joint, Silicone Sealant And Caulking	483.79	96.47
For Custom Match Coloring, Add	46.65	
For Up To 1.15 CLF, Add	29.05	
For >6 CLF, Deduct	-33.91	
For 1 Part Mildew Resistant, Add	68.04	
For High-Modulus Non-Acid Curing, Add	38.88	
07 92 13 00-0011 CLF 1/2" x 3/4" Joint, Silicone Sealant And Caulking	522.66	96.47
For Custom Match Coloring, Add	55.98	
For Up To 1 CLF, Add	31.96	
For >5 CLF, Deduct	-37.80	
For 1 Part Mildew Resistant, Add	81.64	
For High-Modulus Non-Acid Curing, Add	46.65	
07 92 13 00-0012 CLF 1/2" x 7/8" Joint, Silicone Sealant And Caulking	571.19	99.37
For Custom Match Coloring, Add	65.31	
For Up To 0.8 CLF, Add	35.36	
For >4.5 CLF, Deduct	-42.17	
For 1 Part Mildew Resistant, Add	95.25	
For High-Modulus Non-Acid Curing, Add	54.43	
07 92 13 00-0013 CLF 1/2" x 1" Joint, Silicone Sealant And Caulking	619.72	103.23
For Custom Match Coloring, Add	74.64	
For Up To 0.75 CLF, Add	38.76	
For >4 CLF, Deduct	-46.54	
For 1 Part Mildew Resistant, Add	108.86	
For High-Modulus Non-Acid Curing, Add	62.20	
07 92 13 00-0014 CLF 3/4" x 3/4" Joint, Silicone Sealant And Caulking	668.24	106.12
For Custom Match Coloring, Add	83.97	
For Up To 0.65 CLF, Add	42.16	
For >3.5 CLF, Deduct	-50.91	
For 1 Part Mildew Resistant, Add	122.46	
For High-Modulus Non-Acid Curing, Add	69.98	
07 92 13 00-0015 CLF 3/4" x 1" Joint, Silicone Sealant And Caulking	813.82	115.76
For Custom Match Coloring, Add	111.97	
For Up To 0.5 CLF, Add	52.35	
For >2.5 CLF, Deduct	-64.02	
For 1 Part Mildew Resistant, Add	163.29	
For High-Modulus Non-Acid Curing, Add	93.31	

07 Thermal And Moisture Protection**07 90 Joint Protection****07 92 Joint Sealants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0016	CLF		1" x 1" Joint, Silicone Sealant And Caulking <i>For Custom Match Coloring, Add</i> <i>For Up To 0.4 CLF, Add</i> <i>For >2 CLF, Deduct</i> <i>For 1 Part Mildew Resistant, Add</i> <i>For High-Modulus Non-Acid Curing, Add</i>	1,007.90 149.29 65.95 -81.50 217.71 124.41	128.31
07 92 13 00-0017 Acrylic/Latex Sealant And Caulking (07 92 13)					
07 92 13 00-0018	CLF		1/4" x 1/4" Joint, Acrylic/Latex Sealant And Caulking <i>For Up To 6 CLF, Add</i> <i>For >30 CLF, Deduct</i>	274.10 14.05 -14.39	86.82
07 92 13 00-0019	CLF		1/4" x 3/8" Joint, Acrylic/Latex Sealant And Caulking <i>For Up To 4 CLF, Add</i> <i>For >20 CLF, Deduct</i>	280.92 14.56 -15.07	86.82
07 92 13 00-0020	CLF		1/4" x 1/2" Joint, Acrylic/Latex Sealant And Caulking <i>For Up To 3 CLF, Add</i> <i>For >15 CLF, Deduct</i>	297.39 15.55 -16.23	89.72
07 92 13 00-0021	CLF		3/8" x 3/8" Joint, Acrylic/Latex Sealant And Caulking <i>For Up To 2.5 CLF, Add</i> <i>For >13 CLF, Deduct</i>	300.80 15.81 -16.57	89.72
07 92 13 00-0022	CLF		3/8" x 1/2" Joint, Acrylic/Latex Sealant And Caulking <i>For Up To 2 CLF, Add</i> <i>For >10 CLF, Deduct</i>	311.03 16.57 -17.60	89.72
07 92 13 00-0023	CLF		3/8" x 5/8" Joint, Acrylic/Latex Sealant And Caulking <i>For Up To 1.5 CLF, Add</i> <i>For >8 CLF, Deduct</i>	321.26 17.34 -18.62	89.72
07 92 13 00-0024	CLF		3/8" x 3/4" Joint, Acrylic/Latex Sealant And Caulking <i>For Up To 1.3 CLF, Add</i> <i>For >7 CLF, Deduct</i>	341.14 18.59 -20.13	93.58
07 92 13 00-0025	CLF		1/2" x 1/2" Joint, Acrylic/Latex Sealant And Caulking <i>For Up To 1.4 CLF, Add</i> <i>For >7.5 CLF, Deduct</i>	334.32 18.08 -19.44	93.58
07 92 13 00-0026	CLF		1/2" x 5/8" Joint, Acrylic/Latex Sealant And Caulking <i>For Up To 1.15 CLF, Add</i> <i>For >6 CLF, Deduct</i>	357.60 19.59 -21.29	96.47
07 92 13 00-0027	CLF		1/2" x 3/4" Joint, Acrylic/Latex Sealant And Caulking <i>For Up To 1 CLF, Add</i> <i>For >5 CLF, Deduct</i>	371.24 20.61 -22.65	96.47
07 92 13 00-0028	CLF		1/2" x 7/8" Joint, Acrylic/Latex Sealant And Caulking <i>For Up To 0.8 CLF, Add</i> <i>For >4.5 CLF, Deduct</i>	394.53 22.11 -24.50	99.37
07 92 13 00-0029	CLF		1/2" x 1" Joint, Acrylic/Latex Sealant And Caulking <i>For Up To 0.75 CLF, Add</i> <i>For >4 CLF, Deduct</i>	417.82 23.62 -26.35	103.23
07 92 13 00-0030	CLF		3/4" x 3/4" Joint, Acrylic/Latex Sealant And Caulking <i>For Up To 0.65 CLF, Add</i> <i>For >3.5 CLF, Deduct</i>	441.10 25.12 -28.19	106.12
07 92 13 00-0031	CLF		3/4" x 1" Joint, Acrylic/Latex Sealant And Caulking <i>For Up To 0.5 CLF, Add</i> <i>For >2.5 CLF, Deduct</i>	510.96 29.64 -33.73	115.76
07 92 13 00-0032	CLF		1" x 1" Joint, Acrylic/Latex Sealant And Caulking <i>For Up To 0.4 CLF, Add</i> <i>For >2 CLF, Deduct</i>	604.10 35.66 -41.12	128.31
07 92 13 00-0033 Polyurethane Sealant And Caulking (07 92 13)					
Note: 1 or 2 part, non-sag.					
07 92 13 00-0034	CLF		1/4" x 1/4" Joint, Polyurethane Sealant And Caulking <i>For Up To 6 CLF, Add</i> <i>For >30 CLF, Deduct</i>	290.28 15.26 -16.01	86.82
07 92 13 00-0035	CLF		1/4" x 3/8" Joint, Polyurethane Sealant And Caulking <i>For Up To 4 CLF, Add</i> <i>For >20 CLF, Deduct</i>	305.19 16.38 -17.50	86.82
07 92 13 00-0036	CLF		1/4" x 1/2" Joint, Polyurethane Sealant And Caulking <i>For Up To 3 CLF, Add</i> <i>For >15 CLF, Deduct</i>	329.75 17.98 -19.47	89.72
07 92 13 00-0037	CLF		3/8" x 3/8" Joint, Polyurethane Sealant And Caulking <i>For Up To 2.5 CLF, Add</i> <i>For >13 CLF, Deduct</i>	337.20 18.54 -20.21	89.72
07 92 13 00-0038	CLF		3/8" x 1/2" Joint, Polyurethane Sealant And Caulking <i>For Up To 2 CLF, Add</i> <i>For >10 CLF, Deduct</i>	359.56 20.21 -22.45	89.72
07 92 13 00-0039	CLF		3/8" x 5/8" Joint, Polyurethane Sealant And Caulking <i>For Up To 1.5 CLF, Add</i> <i>For >8 CLF, Deduct</i>	381.93 21.89 -24.69	89.72
07 92 13 00-0040	CLF		3/8" x 3/4" Joint, Polyurethane Sealant And Caulking <i>For Up To 1.3 CLF, Add</i> <i>For >7 CLF, Deduct</i>	413.94 24.05 -27.41	93.58
07 92 13 00-0041	CLF		1/2" x 1/2" Joint, Polyurethane Sealant And Caulking <i>For Up To 1.4 CLF, Add</i> <i>For >7.5 CLF, Deduct</i>	399.03 22.93 -25.92	93.58
07 92 13 00-0042	CLF		1/2" x 5/8" Joint, Polyurethane Sealant And Caulking <i>For Up To 1.15 CLF, Add</i> <i>For >6 CLF, Deduct</i>	438.49 25.65 -29.38	96.47



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0043 CLF 1/2" x 3/4" Joint, Polyurethane Sealant And Caulking <i>For Up To 1 CLF, Add</i> <i>For >5 CLF, Deduct</i>	468.30 27.89 -32.36	96.47
07 92 13 00-0044 CLF 1/2" x 7/8" Joint, Polyurethane Sealant And Caulking <i>For Up To 0.8 CLF, Add</i> <i>For >4.5 CLF, Deduct</i>	507.77 30.61 -35.82	99.37
07 92 13 00-0045 CLF 1/2" x 1" Joint, Polyurethane Sealant And Caulking <i>For Up To 0.75 CLF, Add</i> <i>For >4 CLF, Deduct</i>	547.24 33.33 -39.29	103.23
07 92 13 00-0046 CLF 3/4" x 3/4" Joint, Polyurethane Sealant And Caulking <i>For Up To 0.65 CLF, Add</i> <i>For >3.5 CLF, Deduct</i>	586.71 36.04 -42.75	106.12
07 92 13 00-0047 CLF 3/4" x 1" Joint, Polyurethane Sealant And Caulking <i>For Up To 0.5 CLF, Add</i> <i>For >2.5 CLF, Deduct</i>	705.10 44.20 -53.15	115.76
07 92 13 00-0048 Flexible Polysulfide Sealant And Caulking, Clear (07 92 13) Note: 1 or 2 part, non-sag.		
07 92 13 00-0049 CLF 1/4" x 1/4" Joint, Polysulfide Sealant And Caulking <i>For Up To 6 CLF, Add</i> <i>For >30 CLF, Deduct</i>	293.11 15.47 -16.29	86.82
07 92 13 00-0050 CLF 1/4" x 3/8" Joint, Polysulfide Sealant And Caulking <i>For Up To 4 CLF, Add</i> <i>For >20 CLF, Deduct</i>	309.45 16.70 -17.92	86.82
07 92 13 00-0051 CLF 1/4" x 1/2" Joint, Polysulfide Sealant And Caulking <i>For Up To 3 CLF, Add</i> <i>For >15 CLF, Deduct</i>	335.42 18.40 -20.04	89.72
07 92 13 00-0052 CLF 3/8" x 3/8" Joint, Polysulfide Sealant And Caulking <i>For Up To 2.5 CLF, Add</i> <i>For >13 CLF, Deduct</i>	343.58 19.02 -20.85	89.72
07 92 13 00-0053 CLF 3/8" x 1/2" Joint, Polysulfide Sealant And Caulking <i>For Up To 2 CLF, Add</i> <i>For >10 CLF, Deduct</i>	368.08 20.85 -23.30	89.72
07 92 13 00-0054 CLF 3/8" x 5/8" Joint, Polysulfide Sealant And Caulking <i>For Up To 1.5 CLF, Add</i> <i>For >8 CLF, Deduct</i>	392.57 22.69 -25.75	89.72
07 92 13 00-0055 CLF 3/8" x 3/4" Joint, Polysulfide Sealant And Caulking <i>For Up To 1.3 CLF, Add</i> <i>For >7 CLF, Deduct</i>	426.70 25.01 -28.68	93.58
07 92 13 00-0056 CLF 1/2" x 1/2" Joint, Polysulfide Sealant And Caulking <i>For Up To 1.4 CLF, Add</i> <i>For >7.5 CLF, Deduct</i>	410.38 23.78 -27.05	93.58
07 92 13 00-0057 CLF 1/2" x 5/8" Joint, Polysulfide Sealant And Caulking <i>For Up To 1.15 CLF, Add</i> <i>For >6 CLF, Deduct</i>	452.68 26.72 -30.80	96.47
07 92 13 00-0058 CLF 1/2" x 3/4" Joint, Polysulfide Sealant And Caulking <i>For Up To 1 CLF, Add</i> <i>For >5 CLF, Deduct</i>	485.33 29.16 -34.06	96.47
07 92 13 00-0059 CLF 1/2" x 7/8" Joint, Polysulfide Sealant And Caulking <i>For Up To 0.8 CLF, Add</i> <i>For >4.5 CLF, Deduct</i>	527.64 32.10 -37.81	99.37
07 92 13 00-0060 CLF 1/2" x 1" Joint, Polysulfide Sealant And Caulking <i>For Up To 0.75 CLF, Add</i> <i>For >4 CLF, Deduct</i>	569.93 35.03 -41.56	103.23
07 92 13 00-0061 CLF 3/4" x 3/4" Joint, Polysulfide Sealant And Caulking <i>For Up To 0.65 CLF, Add</i> <i>For >3.5 CLF, Deduct</i>	612.25 37.96 -45.31	106.12
07 92 13 00-0062 CLF 3/4" x 1" Joint, Polysulfide Sealant And Caulking <i>For Up To 0.5 CLF, Add</i> <i>For >2.5 CLF, Deduct</i>	739.14 46.75 -56.55	115.76
07 92 13 00-0063 Flexible Polyurethane Security Sealant And Caulking (07 92 13) Note: 1 or 2 part, non-sag.		
07 92 13 00-0064 CLF 1/4" x 1/4" Joint, Flexible Polyurethane Security Sealant And Caulking <i>For Up To 6 CLF, Add</i> <i>For >30 CLF, Deduct</i>	300.03 15.99 -16.98	86.82
07 92 13 00-0065 CLF 1/4" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking <i>For Up To 4 CLF, Add</i> <i>For >20 CLF, Deduct</i>	319.82 17.48 -18.96	86.82
07 92 13 00-0066 CLF 1/4" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking <i>For Up To 3 CLF, Add</i> <i>For >15 CLF, Deduct</i>	349.26 19.44 -21.42	89.72
07 92 13 00-0067 CLF 3/8" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking <i>For Up To 2.5 CLF, Add</i> <i>For >13 CLF, Deduct</i>	359.15 20.18 -22.41	89.72
07 92 13 00-0068 CLF 3/8" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking <i>For Up To 2 CLF, Add</i> <i>For >10 CLF, Deduct</i>	388.83 22.41 -25.38	89.72
07 92 13 00-0069 CLF 3/8" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking <i>For Up To 1.5 CLF, Add</i> <i>For >8 CLF, Deduct</i>	418.51 24.64 -28.35	89.72

07 Thermal And Moisture Protection**07 90 Joint Protection****07 92 Joint Sealants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0070	CLF		3/8" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	457.84	93.58
			<i>For Up To 1.3 CLF, Add</i>	27.34	
			<i>For >7 CLF, Deduct</i>	-31.80	
07 92 13 00-0071	CLF		1/2" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	438.06	93.58
			<i>For Up To 1.4 CLF, Add</i>	25.86	
			<i>For >7.5 CLF, Deduct</i>	-29.82	
07 92 13 00-0072	CLF		1/2" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking	487.27	96.47
			<i>For Up To 1.15 CLF, Add</i>	29.31	
			<i>For >6 CLF, Deduct</i>	-34.26	
07 92 13 00-0073	CLF		1/2" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	526.84	96.47
			<i>For Up To 1 CLF, Add</i>	32.28	
			<i>For >5 CLF, Deduct</i>	-38.21	
07 92 13 00-0074	CLF		1/2" x 7/8" Joint, Flexible Polyurethane Security Sealant And Caulking	576.07	99.37
			<i>For Up To 0.8 CLF, Add</i>	35.73	
			<i>For >4.5 CLF, Deduct</i>	-42.65	
07 92 13 00-0075	CLF		1/2" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	625.29	103.23
			<i>For Up To 0.75 CLF, Add</i>	39.18	
			<i>For >4 CLF, Deduct</i>	-47.09	
07 92 13 00-0076	CLF		3/4" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	674.52	106.12
			<i>For Up To 0.65 CLF, Add</i>	42.63	
			<i>For >3.5 CLF, Deduct</i>	-51.53	
07 92 13 00-0077	CLF		3/4" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	822.18	115.76
			<i>For Up To 0.5 CLF, Add</i>	52.98	
			<i>For >2.5 CLF, Deduct</i>	-64.85	

07 92 19 Acoustical Joint Sealants (07 92)**07 92 19 00-0001 Acoustical Sealant (07 92 19)**

07 92 19 00-0002	CLF		1/4" x 1/4" Joint, Acoustical Sealant.....	288.61	86.82
			<i>For Custom Match Coloring, Add</i>	6.76	
			<i>For Up To 6 CLF, Add</i>	15.13	
			<i>For >30 CLF, Deduct</i>	-15.84	
			<i>For 1 Part Mildew Resistant, Add</i>	9.85	
			<i>For High-Modulus Non-Acid Curing, Add</i>	5.63	
07 92 19 00-0003	CLF		1/4" x 3/8" Joint, Acoustical Sealant.....	299.30	86.82
			<i>For Custom Match Coloring, Add</i>	9.32	
			<i>For Up To 4 CLF, Add</i>	15.94	
			<i>For >20 CLF, Deduct</i>	-16.91	
			<i>For 1 Part Mildew Resistant, Add</i>	13.59	
			<i>For High-Modulus Non-Acid Curing, Add</i>	7.77	
07 92 19 00-0004	CLF		1/4" x 1/2" Joint, Acoustical Sealant.....	315.25	89.72
			<i>For Custom Match Coloring, Add</i>	10.83	
			<i>For Up To 3 CLF, Add</i>	16.89	
			<i>For >15 CLF, Deduct</i>	-18.02	
			<i>For 1 Part Mildew Resistant, Add</i>	15.80	
			<i>For High-Modulus Non-Acid Curing, Add</i>	9.03	
07 92 19 00-0005	CLF		3/8" x 3/8" Joint, Acoustical Sealant.....	332.74	89.72
			<i>For Custom Match Coloring, Add</i>	15.03	
			<i>For Up To 2.5 CLF, Add</i>	18.20	
			<i>For >13 CLF, Deduct</i>	-19.77	
			<i>For 1 Part Mildew Resistant, Add</i>	21.92	
			<i>For High-Modulus Non-Acid Curing, Add</i>	12.53	
07 92 19 00-0006	CLF		3/8" x 1/2" Joint, Acoustical Sealant.....	350.93	89.72
			<i>For Custom Match Coloring, Add</i>	19.40	
			<i>For Up To 2 CLF, Add</i>	19.57	
			<i>For >10 CLF, Deduct</i>	-21.59	
			<i>For 1 Part Mildew Resistant, Add</i>	28.29	
			<i>For High-Modulus Non-Acid Curing, Add</i>	16.16	
07 92 19 00-0007	CLF		1/2" x 1/2" Joint, Acoustical Sealant.....	393.64	93.58
			<i>For Custom Match Coloring, Add</i>	27.33	
			<i>For Up To 1.4 CLF, Add</i>	22.53	
			<i>For >7.5 CLF, Deduct</i>	-25.38	
			<i>For 1 Part Mildew Resistant, Add</i>	39.86	
			<i>For High-Modulus Non-Acid Curing, Add</i>	22.78	

07 95 Expansion Control (07 90)**07 95 13 Expansion Joint Cover Assemblies (07 95)**

Note: Includes necessary waterproofing mastics/caulking.

07 95 13 13 Interior Expansion Joint Cover Assemblies (07 95 13)**07 95 13 13-0001 Interior Floor Expansion Joint Cover Assemblies (07 95 13 13)****07 95 13 13-0002 With 1" Space (07 95 13 13-0001)**

07 95 13 13-0003	LF		Aluminum Expansion Joint Cover, 1" Opening Floor Assembly Type.....	49.91	5.39
07 95 13 13-0004	LF		Bronze Expansion Joint Cover, 1" Opening Floor Assembly Type	54.22	5.39
07 95 13 13-0005	LF		Stainless Steel Expansion Joint Cover, 1" Opening Floor Assembly Type	72.97	5.39

07 95 13 13-0006 With 2" Space (07 95 13 13-0001)

07 95 13 13-0007	LF		Aluminum Expansion Joint Cover, 2" Opening Floor Assembly Type.....	63.02	5.39
07 95 13 13-0008	LF		Bronze Expansion Joint Cover, 2" Opening Floor Assembly Type	64.40	5.39
07 95 13 13-0009	LF		Stainless Steel Expansion Joint Cover, 2" Opening Floor Assembly Type	97.62	5.39



Thermal And Moisture Protection		07
Joint Protection		07 90
Expansion Control		07 95

07

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 95 13 13-0010 Interior Ceiling And Wall Expansion Joint Cover Assemblies <small>(07 95 13 13)</small>		
07 95 13 13-0011 With 1" Space <small>(07 95 13 13-0010)</small>		
07 95 13 13-0012 LF Aluminum Expansion Joint Cover, 1" Opening Ceiling And Wall Assembly Type.....	36.79	5.39
07 95 13 13-0013 LF Bronze Expansion Joint Cover, 1" Opening Ceiling And Wall Assembly Type	44.04	5.39
07 95 13 13-0014 LF Stainless Steel Expansion Joint Cover, 1" Opening Ceiling And Wall Assembly Type.....	60.65	5.39
07 95 13 13-0015 With 2" Space <small>(07 95 13 13-0010)</small>		
07 95 13 13-0016 LF Aluminum Expansion Joint Cover, 2" Opening Ceiling And Wall Assembly Type.....	44.66	5.39
07 95 13 13-0017 LF Bronze Expansion Joint Cover, 2" Opening Ceiling And Wall Assembly Type	49.12	5.39
07 95 13 13-0018 LF Stainless Steel Expansion Joint Cover, 2" Opening Ceiling And Wall Assembly Type.....	72.97	5.39
07 95 13 16 Exterior Expansion Joint Cover Assemblies <small>(07 95 13)</small>		
07 95 13 16-0001 Exterior Roof Aluminum Expansion Joint Cover Assemblies <small>(07 95 13 16)</small>		
07 95 13 16-0002 Roof To Roof <small>(07 95 13 16-0001)</small>		
07 95 13 16-0003 LF Exterior Roof To Roof Expansion Joint, 1" Opening Aluminum Assemblies	57.82	3.60
07 95 13 16-0004 LF Exterior Roof To Roof Expansion Joint, 2" Opening Aluminum Assemblies	68.86	3.60
07 95 13 16-0005 LF Exterior Roof To Roof Expansion Joint, 3" Opening Aluminum Assemblies	76.47	3.60
07 95 13 16-0006 Roof To Wall <small>(07 95 13 16-0001)</small>		
07 95 13 16-0007 LF Exterior Roof To Wall Expansion Joint, 1" Opening Aluminum Assemblies.....	44.52	3.60
07 95 13 16-0008 LF Exterior Roof To Wall Expansion Joint, 2" Opening Aluminum Assemblies.....	58.04	3.60
07 95 13 16-0009 Flat Wall To Wall <small>(07 95 13 16-0001)</small>		
07 95 13 16-0010 LF Exterior Wall To Wall Expansion Joint, 1" Opening Aluminum Assemblies	33.91	3.60
07 95 13 16-0011 LF Exterior Wall To Wall Expansion Joint, 2" Opening Aluminum Assemblies	42.02	3.60
07 95 13 16-0012 LF Exterior Wall To Wall Expansion Joint, 3" Opening Aluminum Assemblies	51.81	3.60
07 95 13 16-0013 Corner To Flat Wall <small>(07 95 13 16-0001)</small>		
07 95 13 16-0014 LF Exterior Corner To Wall Expansion Joint, 1" Opening Aluminum Assemblies	32.57	3.60
07 95 13 16-0015 LF Exterior Corner To Wall Expansion Joint, 2" Opening Aluminum Assemblies	37.97	3.60
07 95 13 16-0016 LF Exterior Corner To Wall Expansion Joint, 3" Opening Aluminum Assemblies	53.17	3.60

END OF SECTION 07

07

07 Thermal And Moisture Protection

07 90 Joint Protection

07 95 Expansion Control



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 Openings

08 01 Operation And Maintenance Of Openings ⁽⁰⁸⁾

08 01 50 Operation And Maintenance Of Windows ^(08 01)

08 01 52 Operation and Maintenance of Wood Windows ^(08 01 50)

08 01 52 61 Wood Window Repairs ^(08 01 52)

08 01 52 61-0001 Window Restoration And Replacement ^(08 01 52 61)

08 01 52 61-0002	EA	Removal And Replacement Of Sash Guides	10.42
08 01 52 61-0003	EA	Removal And Replacement Of Window Arms	28.44
08 01 52 61-0004	EA	Removal And Replacement Of Window Crank Operator	31.51
08 01 52 61-0005	EA	Removal And Replacement Of Brass Window Sash Pull	19.60
08 01 52 61-0006	EA	Removal And Replacement Of Brass Window Sash Lock	18.14
08 01 52 61-0007	EA	Removal And Replacement Of Window Balance, Removable Sash Window	22.05
		Note: Channel, spiral or coil balance.	
08 01 52 61-0008	EA	Removal And Replacement Of Window Balance, Sash Window Including The Removal And Replacement Of Wooden Stops And/Or Casing	70.31
		Note: Channel, spiral or coil balance.	
		<i>For Replacing Two Balances In One Window, Deduct</i>	-26.64

08 01 80 Maintenance of Glazing ^(08 01)

08 01 81 Maintenance of Glass Glazing ^(08 01 80)

08 01 81 00-0001 Glazing Compound Repair ^(08 01 81)

08 01 81 00-0002	LF	Removal And Replacement Of Up To 1/2" Wide Damaged, Broken Or Cracked Window Glazing	4.77
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08 05 Common Work Results For Openings ⁽⁰⁸⁾

08 05 13 Door Options And Modifications ^(08 05)

Note: Excludes removal and reinstallation of door.

08 05 13 00-0001 Door Vision Panels (Pemko LT-S1) ^(08 05 13)

Note: Factory primed or powder coated. See CSI section 08 81 00 00-0000 for glazing.

08 05 13 00-0002	EA	For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	80.87
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	40.44
08 05 13 00-0003	EA	For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	102.37
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	51.19
08 05 13 00-0004	EA	For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	118.74
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	59.37
08 05 13 00-0005	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	151.50
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	75.75
08 05 13 00-0006	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	196.54
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	98.27
08 05 13 00-0007	EA	For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	250.80
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	125.40
08 05 13 00-0008	EA	For >10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	266.15
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	133.08
08 05 13 00-0009	EA	For Up To 1 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	170.02
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	36.76
08 05 13 00-0010	EA	For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	199.22
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	46.53
08 05 13 00-0011	EA	For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	223.75
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	53.98
08 05 13 00-0012	EA	For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	263.18
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	68.87
08 05 13 00-0013	EA	For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	313.79
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	89.34
08 05 13 00-0014	EA	For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	372.75
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	114.00
08 05 13 00-0015	EA	For >10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	396.36
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	120.98

08 Openings**08 05 Common Work Results For Openings****08 05 13 Door Options And Modifications**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 05 13 00-0016	Door Louvers, Inverted "Y" 50% Free Air (Pemko LV-IY) (08 05 13)		
	Note: Factory primed or powder coated.		
08 05 13 00-0017	EA For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	100.32	
08 05 13 00-0018	EA For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	112.60	
08 05 13 00-0019	EA For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	149.45	
08 05 13 00-0020	EA For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	237.49	
08 05 13 00-0021	EA For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	314.26	
08 05 13 00-0022	EA For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	391.04	
08 05 13 00-0023	EA For >10 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	445.29	
08 05 13 00-0024	EA For Up To 1 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	172.70	
08 05 13 00-0025	EA For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	192.21	
08 05 13 00-0026	EA For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	236.30	
08 05 13 00-0027	EA For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	331.58	
08 05 13 00-0028	EA For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	415.59	
08 05 13 00-0029	EA For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	499.60	
08 05 13 00-0030	EA For >10 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	561.09	

08 05 13 00-0031	Door Hardware Preparation (08 05 13)		
08 05 13 00-0032	EA Factory Prepare Wood Door (Rated Or Non Rated) For Mortise Lockset Hardware	72.36	
08 05 13 00-0033	EA Prepare Existing Wood Door (Rated) For Mortise Lockset Hardware.....	178.47	
	Note: Requires door to be taken off site for UL certification.		
08 05 13 00-0034	EA Prepare Existing Wood Door (Non Rated) For Mortise Lockset Hardware	82.00	
08 05 13 00-0035	EA Prepare Existing Wood Door (Rated) For Cylindrical Lockset Hardware	144.71	
	Note: Requires door to be taken off site for UL certification.		
08 05 13 00-0036	EA Prepare Existing Wood Door (Non Rated) For Cylindrical Lockset Hardware	24.11	
08 05 13 00-0037	EA Prepare Existing Wood Door (Rated) For Concealed Vertical Rod.....	265.32	
	Note: Requires door to be taken off site for UL certification.		
08 05 13 00-0038	EA Prepare Existing Wood Door (Non Rated) For Concealed Vertical Rod	168.82	
08 05 13 00-0039	EA Prepare Existing Wood Door (Rated) For Electric Hardware	178.47	
	Note: Requires door to be taken off site for UL certification.		
08 05 13 00-0040	EA Prepare Existing Door (Non Rated) For Electric Hardware	82.00	

08 05 13 00-0041	Door Modifications (08 05 13)		
08 05 13 00-0042	EA Factory Installed Sound Proofing (STC 28) In Metal Door	105.32	
08 05 13 00-0043	SF For 16 Gauge Steel Metal Plate Bolted On Door	21.87	
	Note: Includes mounting hardware.		
08 05 13 00-0044	EA Trim Bottom Of Existing Steel Door For Installation Of Carpet Or Tile.....	86.85	
	Note: Excludes removal and reinstallation of door.		
08 05 13 00-0045	EA Trim Bottom Of Existing Wood Door For Installation Of Carpet Or Tile	43.73	
	Note: Excludes removal and reinstallation of door.		
08 05 13 00-0046	EA Modify Metal Door Frame For Door Swing.....	979.07	
	Note: Includes removal of door; install blank hinge plates, new continuous hinge, blank strike plate, new strike plate and reinstallation of door.		
08 05 13 00-0047	EA Removal And Reinstallation Of Door	82.02	
08 05 13 00-0048	EA Removal And Reinstallation Of Metal Door Frame	160.84	
08 05 13 00-0049	EA Removal And Reinstallation Of Wood Door Frame.....	97.16	
08 05 13 00-0050	EA Factory Trim Wood Door Edge For Custom Width.....	63.16	

08 10 Doors And Frames (08)**08 11 Metal Doors And Frames** (08 10)**08 11 63 Metal Screen And Storm Doors And Frames** (08 11)**08 11 63 13 Steel Screen And Storm Doors And Frames** (08 11 63)

08 11 63 13-0001	Steel Screen Door (08 11 63 13)		
	Note: Includes frame, trim, necessary anchors and hardware (closures, chain and spring, latching, screens, etc.).		
08 11 63 13-0002	EA 2'-8" x 7' Steel Screen Door, Residential, With Frame, Trim, Hardware	770.14	132.69
08 11 63 13-0003	EA 3' x 7' Steel Screen Door, Residential, With Frame, Trim, Hardware	779.83	137.51
08 11 63 13-0004	EA Steel Combination Type Residential Storm Door, With Mesh And Tempered Glass With Frame, Trim, Hardware	819.37	137.51

08 11 63 23 Aluminum Screen And Storm Doors And Frames (08 11 63)



Openings	08	08
Doors And Frames	08 10	
Metal Doors And Frames	08 11	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 11 63 23-0001		Aluminum Combination Type With Tempered Glass At Top And Bottom ^(08 11 63 23) Note: Includes frame trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).		
08 11 63 23-0002	EA	Aluminum Combination Type Residential Storm Door, Tempered Glass Top With Frame, Trim, Hardware <i>For Special Finished, Add</i>	621.24 51.39	77.20
08 11 63 23-0003	EA	Aluminum Combination Type Residential Storm Door, Tempered Glass Top And Bottom With Frame, Trim, Hardware	650.12	77.20
08 11 63 23-0004	EA	Aluminum Screen Door.....	213.08	48.23
08 11 63 23-0005	SF	Repair Screen Door	6.39	
08 11 73 Sliding Metal Fire Doors ^(08 11)				
08 11 73 00-0001		Motor Operated Fire Door ^(08 11 73) Note: With fusible link, 3 hour rating. Excludes electrical hook-up of motor.		
08 11 73 00-0002	EA	3' x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating.....	3,747.91	449.71
08 11 73 00-0003	EA	3' 8" x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating.....	4,003.84	449.71
08 11 73 00-0004	EA	4' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	4,433.02	449.71
08 11 73 00-0005	EA	5' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	4,898.83	449.71
08 12		Metal Frames ^(08 10) Note: All door frames include perimeter caulk, sealant (as required), anchors and silencers.		
08 12 13 Hollow Metal Frames ^(08 12)				
08 12 13 13 Standard Hollow Metal Frames ^(08 12 13)				
Note: Shop prime coat. See CSI section 04 05 16 26-0017 for grouting frames.				
08 12 13 13-0001		4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames ^(08 12 13 13) Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0002		6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames ^(08 12 13 13-0001)		
08 12 13 13-0003	EA	2' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	294.80	72.38
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	22.51	
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	18.01	
		<i>For Type 304 Stainless Steel Frame, Add</i>	277.33	
		<i>For Type 316 Stainless Steel Frame, Add</i>	322.34	
		<i>For Baked Enamel Finish, Add</i>	66.73	
		<i>For 18 Gauge Frame, Deduct</i>	-15.01	
		<i>For 14 Gauge Frame, Add</i>	37.51	
		<i>For 12 Gauge Frame, Add</i>	57.02	
08 12 13 13-0004	EA	2'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	337.86	79.61
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	26.79	
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	21.44	
		<i>For Type 304 Stainless Steel Frame, Add</i>	329.50	
		<i>For Type 316 Stainless Steel Frame, Add</i>	383.08	
		<i>For Baked Enamel Finish, Add</i>	77.47	
		<i>For 18 Gauge Frame, Deduct</i>	-17.86	
		<i>For 14 Gauge Frame, Add</i>	44.66	
		<i>For 12 Gauge Frame, Add</i>	67.88	
08 12 13 13-0005	EA	2'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	350.35	84.44
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	27.22	
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	21.78	
		<i>For Type 304 Stainless Steel Frame, Add</i>	335.11	
		<i>For Type 316 Stainless Steel Frame, Add</i>	389.55	
		<i>For Baked Enamel Finish, Add</i>	79.77	
		<i>For 18 Gauge Frame, Deduct</i>	-18.15	
		<i>For 14 Gauge Frame, Add</i>	45.37	
		<i>For 12 Gauge Frame, Add</i>	68.96	
08 12 13 13-0006	EA	2'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	364.83	91.68
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	27.22	
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	21.78	
		<i>For Type 304 Stainless Steel Frame, Add</i>	335.83	
		<i>For Type 316 Stainless Steel Frame, Add</i>	390.28	
		<i>For Baked Enamel Finish, Add</i>	81.95	
		<i>For 18 Gauge Frame, Deduct</i>	-18.15	
		<i>For 14 Gauge Frame, Add</i>	45.37	
		<i>For 12 Gauge Frame, Add</i>	68.96	
08 12 13 13-0007	EA	2'-10" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	372.52	94.09
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	27.65	
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	22.12	
		<i>For Type 304 Stainless Steel Frame, Add</i>	341.22	
		<i>For Type 316 Stainless Steel Frame, Add</i>	396.52	
		<i>For Baked Enamel Finish, Add</i>	83.53	
		<i>For 18 Gauge Frame, Deduct</i>	-18.43	
		<i>For 14 Gauge Frame, Add</i>	46.09	
		<i>For 12 Gauge Frame, Add</i>	70.05	

08 Openings

08 10 Doors And Frames

08 12 Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0008	EA		3' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....380.20		96.50
			For Auxiliary Frame Reinforcement For Hinges, Add	28.08	
			For Welded Frames, Add	59.50	
			For Galvanized Frames, Add	22.46	
			For Type 304 Stainless Steel Frame, Add	346.61	
			For Type 316 Stainless Steel Frame, Add	402.77	
			For Baked Enamel Finish, Add	85.11	
			For 18 Gauge Frame, Deduct	-18.72	
			For 14 Gauge Frame, Add	46.80	
			For 12 Gauge Frame, Add	71.14	
08 12 13 13-0009	EA		3'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....402.71		101.33
			For Auxiliary Frame Reinforcement For Hinges, Add	30.01	
			For Welded Frames, Add	59.50	
			For Galvanized Frames, Add	24.01	
			For Type 304 Stainless Steel Frame, Add	370.24	
			For Type 316 Stainless Steel Frame, Add	430.26	
			For Baked Enamel Finish, Add	90.42	
			For 18 Gauge Frame, Deduct	-20.01	
			For 14 Gauge Frame, Add	50.02	
			For 12 Gauge Frame, Add	76.02	
08 12 13 13-0010	EA		3'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....412.36		106.16
			For Auxiliary Frame Reinforcement For Hinges, Add	30.01	
			For Welded Frames, Add	59.50	
			For Galvanized Frames, Add	24.01	
			For Type 304 Stainless Steel Frame, Add	370.72	
			For Type 316 Stainless Steel Frame, Add	430.74	
			For Baked Enamel Finish, Add	91.86	
			For 18 Gauge Frame, Deduct	-20.01	
			For 14 Gauge Frame, Add	50.02	
			For 12 Gauge Frame, Add	76.02	
08 12 13 13-0011	EA		4' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....429.16		110.97
			For Auxiliary Frame Reinforcement For Hinges, Add	31.08	
			For Welded Frames, Add	59.50	
			For Galvanized Frames, Add	24.87	
			For Type 304 Stainless Steel Frame, Add	384.08	
			For Type 316 Stainless Steel Frame, Add	446.24	
			For Baked Enamel Finish, Add	95.46	
			For 18 Gauge Frame, Deduct	-20.72	
			For 14 Gauge Frame, Add	51.80	
			For 12 Gauge Frame, Add	78.74	
08 12 13 13-0012	EA		5' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....445.95		115.80
			For Auxiliary Frame Reinforcement For Hinges, Add	32.15	
			For Welded Frames, Add	59.50	
			For Galvanized Frames, Add	25.72	
			For Type 304 Stainless Steel Frame, Add	397.41	
			For Type 316 Stainless Steel Frame, Add	461.72	
			For Baked Enamel Finish, Add	99.05	
			For 18 Gauge Frame, Deduct	-21.44	
			For 14 Gauge Frame, Add	53.59	
			For 12 Gauge Frame, Add	81.45	
08 12 13 13-0013	EA		5'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....455.60		120.63
			For Auxiliary Frame Reinforcement For Hinges, Add	32.15	
			For Welded Frames, Add	59.50	
			For Galvanized Frames, Add	25.72	
			For Type 304 Stainless Steel Frame, Add	397.89	
			For Type 316 Stainless Steel Frame, Add	462.20	
			For Baked Enamel Finish, Add	100.49	
			For 18 Gauge Frame, Deduct	-21.44	
			For 14 Gauge Frame, Add	53.59	
			For 12 Gauge Frame, Add	81.45	
08 12 13 13-0014	EA		5'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....464.00		123.04
			For Auxiliary Frame Reinforcement For Hinges, Add	32.69	
			For Welded Frames, Add	59.50	
			For Galvanized Frames, Add	26.15	
			For Type 304 Stainless Steel Frame, Add	404.56	
			For Type 316 Stainless Steel Frame, Add	469.94	
			For Baked Enamel Finish, Add	102.29	
			For 18 Gauge Frame, Deduct	-21.79	
			For 14 Gauge Frame, Add	54.48	
			For 12 Gauge Frame, Add	82.81	
08 12 13 13-0015	EA		6' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....472.40		125.45
			For Auxiliary Frame Reinforcement For Hinges, Add	33.23	
			For Welded Frames, Add	59.50	
			For Galvanized Frames, Add	26.58	
			For Type 304 Stainless Steel Frame, Add	411.25	
			For Type 316 Stainless Steel Frame, Add	477.70	
			For Baked Enamel Finish, Add	104.09	
			For 18 Gauge Frame, Deduct	-22.15	
			For 14 Gauge Frame, Add	55.38	
			For 12 Gauge Frame, Add	84.17	



Openings	08
Doors And Frames	08 10
Metal Frames	08 12

08

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST
08 12 13 13-0016 EA 7' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	491.52	127.87
For Auxiliary Frame Reinforcement For Hinges, Add	35.37	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	28.29	
For Type 304 Stainless Steel Frame, Add	437.21	
For Type 316 Stainless Steel Frame, Add	507.95	
For Baked Enamel Finish, Add	109.10	
For 18 Gauge Frame, Deduct	-23.58	
For 14 Gauge Frame, Add	58.95	
For 12 Gauge Frame, Add	89.60	
08 12 13 13-0017 EA 8' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	510.63	130.28
For Auxiliary Frame Reinforcement For Hinges, Add	37.51	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	30.01	
For Type 304 Stainless Steel Frame, Add	463.17	
For Type 316 Stainless Steel Frame, Add	538.20	
For Baked Enamel Finish, Add	114.11	
For 18 Gauge Frame, Deduct	-25.01	
For 14 Gauge Frame, Add	62.52	
For 12 Gauge Frame, Add	95.03	
08 12 13 13-0018 >7'-2" Through 9'-0" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13-0001)</small>		
08 12 13 13-0019 EA 2' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	311.47	72.38
For Auxiliary Frame Reinforcement For Hinges, Add	25.01	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	20.01	
For Type 304 Stainless Steel Frame, Add	307.33	
For Type 316 Stainless Steel Frame, Add	357.35	
For Baked Enamel Finish, Add	71.73	
For 18 Gauge Frame, Deduct	-16.67	
For 14 Gauge Frame, Add	41.68	
For 12 Gauge Frame, Add	63.35	
08 12 13 13-0020 EA 2'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	357.70	79.61
For Auxiliary Frame Reinforcement For Hinges, Add	29.77	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	23.82	
For Type 304 Stainless Steel Frame, Add	365.21	
For Type 316 Stainless Steel Frame, Add	424.75	
For Baked Enamel Finish, Add	83.43	
For 18 Gauge Frame, Deduct	-19.85	
For 14 Gauge Frame, Add	49.62	
For 12 Gauge Frame, Add	75.42	
08 12 13 13-0021 EA 2'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	370.52	84.44
For Auxiliary Frame Reinforcement For Hinges, Add	30.25	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	24.20	
For Type 304 Stainless Steel Frame, Add	371.41	
For Type 316 Stainless Steel Frame, Add	431.91	
For Baked Enamel Finish, Add	85.83	
For 18 Gauge Frame, Deduct	-20.17	
For 14 Gauge Frame, Add	50.41	
For 12 Gauge Frame, Add	76.63	
08 12 13 13-0022 EA 2'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	385.00	91.68
For Auxiliary Frame Reinforcement For Hinges, Add	30.25	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	24.20	
For Type 304 Stainless Steel Frame, Add	372.14	
For Type 316 Stainless Steel Frame, Add	432.63	
For Baked Enamel Finish, Add	88.00	
For 18 Gauge Frame, Deduct	-20.17	
For 14 Gauge Frame, Add	50.41	
For 12 Gauge Frame, Add	76.63	
08 12 13 13-0023 EA 2'-10" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	393.00	94.09
For Auxiliary Frame Reinforcement For Hinges, Add	30.72	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	24.58	
For Type 304 Stainless Steel Frame, Add	378.09	
For Type 316 Stainless Steel Frame, Add	439.53	
For Baked Enamel Finish, Add	89.67	
For 18 Gauge Frame, Deduct	-20.48	
For 14 Gauge Frame, Add	51.21	
For 12 Gauge Frame, Add	77.83	
08 12 13 13-0024 EA 3' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	401.00	96.50
For Auxiliary Frame Reinforcement For Hinges, Add	31.20	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	24.96	
For Type 304 Stainless Steel Frame, Add	384.05	
For Type 316 Stainless Steel Frame, Add	446.45	
For Baked Enamel Finish, Add	91.35	
For 18 Gauge Frame, Deduct	-20.80	
For 14 Gauge Frame, Add	52.00	
For 12 Gauge Frame, Add	79.04	

08	08	Openings
	08 10	Doors And Frames
	08 12	Metal Frames



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0025 EA 3'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	424.94	101.33
For Auxiliary Frame Reinforcement For Hinges, Add	33.34	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	26.67	
For Type 304 Stainless Steel Frame, Add	410.25	
For Type 316 Stainless Steel Frame, Add	476.94	
For Baked Enamel Finish, Add	97.08	
For 18 Gauge Frame, Deduct	-22.23	
For 14 Gauge Frame, Add	55.57	
For 12 Gauge Frame, Add	84.47	
08 12 13 13-0026 EA 3'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	434.59	106.16
For Auxiliary Frame Reinforcement For Hinges, Add	33.34	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	26.67	
For Type 304 Stainless Steel Frame, Add	410.74	
For Type 316 Stainless Steel Frame, Add	477.42	
For Baked Enamel Finish, Add	98.53	
For 18 Gauge Frame, Deduct	-22.23	
For 14 Gauge Frame, Add	55.57	
For 12 Gauge Frame, Add	84.47	
08 12 13 13-0027 EA 4' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	452.18	110.97
For Auxiliary Frame Reinforcement For Hinges, Add	34.53	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	27.63	
For Type 304 Stainless Steel Frame, Add	425.51	
For Type 316 Stainless Steel Frame, Add	494.58	
For Baked Enamel Finish, Add	102.36	
For 18 Gauge Frame, Deduct	-23.02	
For 14 Gauge Frame, Add	57.56	
For 12 Gauge Frame, Add	87.49	
08 12 13 13-0028 EA 5' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	469.77	115.80
For Auxiliary Frame Reinforcement For Hinges, Add	35.73	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	28.58	
For Type 304 Stainless Steel Frame, Add	440.29	
For Type 316 Stainless Steel Frame, Add	511.74	
For Baked Enamel Finish, Add	106.19	
For 18 Gauge Frame, Deduct	-23.82	
For 14 Gauge Frame, Add	59.54	
For 12 Gauge Frame, Add	90.50	
08 12 13 13-0029 EA 5'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	479.42	120.63
For Auxiliary Frame Reinforcement For Hinges, Add	35.73	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	28.58	
For Type 304 Stainless Steel Frame, Add	440.77	
For Type 316 Stainless Steel Frame, Add	512.22	
For Baked Enamel Finish, Add	107.64	
For 18 Gauge Frame, Deduct	-23.82	
For 14 Gauge Frame, Add	59.54	
For 12 Gauge Frame, Add	90.50	
08 12 13 13-0030 EA 5'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	488.22	123.04
For Auxiliary Frame Reinforcement For Hinges, Add	36.32	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	29.06	
For Type 304 Stainless Steel Frame, Add	448.16	
For Type 316 Stainless Steel Frame, Add	520.80	
For Baked Enamel Finish, Add	109.55	
For 18 Gauge Frame, Deduct	-24.21	
For 14 Gauge Frame, Add	60.54	
For 12 Gauge Frame, Add	92.01	
08 12 13 13-0031 EA 6' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	497.01	125.45
For Auxiliary Frame Reinforcement For Hinges, Add	36.92	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	29.53	
For Type 304 Stainless Steel Frame, Add	455.54	
For Type 316 Stainless Steel Frame, Add	529.38	
For Baked Enamel Finish, Add	111.47	
For 18 Gauge Frame, Deduct	-24.61	
For 14 Gauge Frame, Add	61.53	
For 12 Gauge Frame, Add	93.52	
08 12 13 13-0032 EA 7' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	517.71	127.87
For Auxiliary Frame Reinforcement For Hinges, Add	39.30	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	31.44	
For Type 304 Stainless Steel Frame, Add	484.35	
For Type 316 Stainless Steel Frame, Add	562.94	
For Baked Enamel Finish, Add	116.95	
For 18 Gauge Frame, Deduct	-26.20	
For 14 Gauge Frame, Add	65.50	
For 12 Gauge Frame, Add	99.55	



Openings	08	08
Doors And Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0033 EA 8' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	538.41	130.28
For Auxiliary Frame Reinforcement For Hinges, Add	41.68	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	33.34	
For Type 304 Stainless Steel Frame, Add	513.18	
For Type 316 Stainless Steel Frame, Add	596.53	
For Baked Enamel Finish, Add	122.44	
For 18 Gauge Frame, Deduct	-27.79	
For 14 Gauge Frame, Add	69.47	
For 12 Gauge Frame, Add	105.59	
08 12 13 13-0034 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13)		
Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0035 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0034)		
08 12 13 13-0036 EA 2' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	311.47	72.38
For Auxiliary Frame Reinforcement For Hinges, Add	25.01	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	20.01	
For Type 304 Stainless Steel Frame, Add	307.33	
For Type 316 Stainless Steel Frame, Add	357.35	
For Baked Enamel Finish, Add	71.73	
For 18 Gauge Frame, Deduct	-16.67	
For 14 Gauge Frame, Add	41.68	
For 12 Gauge Frame, Add	63.35	
08 12 13 13-0037 EA 2'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	357.70	79.61
For Auxiliary Frame Reinforcement For Hinges, Add	29.77	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	23.82	
For Type 304 Stainless Steel Frame, Add	365.21	
For Type 316 Stainless Steel Frame, Add	424.75	
For Baked Enamel Finish, Add	83.43	
For 18 Gauge Frame, Deduct	-19.85	
For 14 Gauge Frame, Add	49.62	
For 12 Gauge Frame, Add	75.42	
08 12 13 13-0038 EA 2'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	370.52	84.44
For Auxiliary Frame Reinforcement For Hinges, Add	30.25	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	24.20	
For Type 304 Stainless Steel Frame, Add	371.41	
For Type 316 Stainless Steel Frame, Add	431.91	
For Baked Enamel Finish, Add	85.83	
For 18 Gauge Frame, Deduct	-20.17	
For 14 Gauge Frame, Add	50.41	
For 12 Gauge Frame, Add	76.63	
08 12 13 13-0039 EA 2'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	385.00	91.68
For Auxiliary Frame Reinforcement For Hinges, Add	30.25	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	24.20	
For Type 304 Stainless Steel Frame, Add	372.14	
For Type 316 Stainless Steel Frame, Add	432.63	
For Baked Enamel Finish, Add	88.00	
For 18 Gauge Frame, Deduct	-20.17	
For 14 Gauge Frame, Add	50.41	
For 12 Gauge Frame, Add	76.63	
08 12 13 13-0040 EA 2'-10" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	393.00	94.09
For Auxiliary Frame Reinforcement For Hinges, Add	30.72	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	24.58	
For Type 304 Stainless Steel Frame, Add	378.09	
For Type 316 Stainless Steel Frame, Add	439.53	
For Baked Enamel Finish, Add	89.67	
For 18 Gauge Frame, Deduct	-20.48	
For 14 Gauge Frame, Add	51.21	
For 12 Gauge Frame, Add	77.83	
08 12 13 13-0041 EA 3' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	401.00	96.50
For Auxiliary Frame Reinforcement For Hinges, Add	31.20	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	24.96	
For Type 304 Stainless Steel Frame, Add	384.05	
For Type 316 Stainless Steel Frame, Add	446.45	
For Baked Enamel Finish, Add	91.35	
For 18 Gauge Frame, Deduct	-20.80	
For 14 Gauge Frame, Add	52.00	
For 12 Gauge Frame, Add	79.04	
08 12 13 13-0042 EA 3'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	424.94	101.33
For Auxiliary Frame Reinforcement For Hinges, Add	33.34	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	26.67	
For Type 304 Stainless Steel Frame, Add	410.25	
For Type 316 Stainless Steel Frame, Add	476.94	
For Baked Enamel Finish, Add	97.08	
For 18 Gauge Frame, Deduct	-22.23	
For 14 Gauge Frame, Add	55.57	
For 12 Gauge Frame, Add	84.47	

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0043	EA	3'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	434.59	106.16
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	33.34	
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	26.67	
		<i>For Type 304 Stainless Steel Frame, Add</i>	410.74	
		<i>For Type 316 Stainless Steel Frame, Add</i>	477.42	
		<i>For Baked Enamel Finish, Add</i>	98.53	
		<i>For 18 Gauge Frame, Deduct</i>	-22.23	
		<i>For 14 Gauge Frame, Add</i>	55.57	
		<i>For 12 Gauge Frame, Add</i>	84.47	
08 12 13 13-0044	EA	4' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	452.18	110.97
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	34.53	
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	27.63	
		<i>For Type 304 Stainless Steel Frame, Add</i>	425.51	
		<i>For Type 316 Stainless Steel Frame, Add</i>	494.58	
		<i>For Baked Enamel Finish, Add</i>	102.36	
		<i>For 18 Gauge Frame, Deduct</i>	-23.02	
		<i>For 14 Gauge Frame, Add</i>	57.56	
		<i>For 12 Gauge Frame, Add</i>	87.49	
08 12 13 13-0045	EA	5' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	469.77	115.80
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.73	
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	28.58	
		<i>For Type 304 Stainless Steel Frame, Add</i>	440.29	
		<i>For Type 316 Stainless Steel Frame, Add</i>	511.74	
		<i>For Baked Enamel Finish, Add</i>	106.19	
		<i>For 18 Gauge Frame, Deduct</i>	-23.82	
		<i>For 14 Gauge Frame, Add</i>	59.54	
		<i>For 12 Gauge Frame, Add</i>	90.50	
08 12 13 13-0046	EA	5'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	479.42	120.63
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.73	
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	28.58	
		<i>For Type 304 Stainless Steel Frame, Add</i>	440.77	
		<i>For Type 316 Stainless Steel Frame, Add</i>	512.22	
		<i>For Baked Enamel Finish, Add</i>	107.64	
		<i>For 18 Gauge Frame, Deduct</i>	-23.82	
		<i>For 14 Gauge Frame, Add</i>	59.54	
		<i>For 12 Gauge Frame, Add</i>	90.50	
08 12 13 13-0047	EA	5'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	488.22	123.04
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	36.32	
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	29.06	
		<i>For Type 304 Stainless Steel Frame, Add</i>	448.16	
		<i>For Type 316 Stainless Steel Frame, Add</i>	520.80	
		<i>For Baked Enamel Finish, Add</i>	109.55	
		<i>For 18 Gauge Frame, Deduct</i>	-24.21	
		<i>For 14 Gauge Frame, Add</i>	60.54	
		<i>For 12 Gauge Frame, Add</i>	92.01	
08 12 13 13-0048	EA	6' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	497.01	125.45
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	36.92	
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	29.53	
		<i>For Type 304 Stainless Steel Frame, Add</i>	455.54	
		<i>For Type 316 Stainless Steel Frame, Add</i>	529.38	
		<i>For Baked Enamel Finish, Add</i>	111.47	
		<i>For 18 Gauge Frame, Deduct</i>	-24.61	
		<i>For 14 Gauge Frame, Add</i>	61.53	
		<i>For 12 Gauge Frame, Add</i>	93.52	
08 12 13 13-0049	EA	7' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	517.71	127.87
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	39.30	
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	31.44	
		<i>For Type 304 Stainless Steel Frame, Add</i>	484.35	
		<i>For Type 316 Stainless Steel Frame, Add</i>	562.94	
		<i>For Baked Enamel Finish, Add</i>	116.95	
		<i>For 18 Gauge Frame, Deduct</i>	-26.20	
		<i>For 14 Gauge Frame, Add</i>	65.50	
		<i>For 12 Gauge Frame, Add</i>	99.55	
08 12 13 13-0050	EA	8' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	538.41	130.28
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	41.68	
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	33.34	
		<i>For Type 304 Stainless Steel Frame, Add</i>	513.18	
		<i>For Type 316 Stainless Steel Frame, Add</i>	596.53	
		<i>For Baked Enamel Finish, Add</i>	122.44	
		<i>For 18 Gauge Frame, Deduct</i>	-27.79	
		<i>For 14 Gauge Frame, Add</i>	69.47	
		<i>For 12 Gauge Frame, Add</i>	105.59	

08 12 13 13-0051 >7'-2" Through 9'-0" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0034)



Openings	08	08
Doors And Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0052 EA 2' x >7'-2" Through 9' High, 5-3/4" Deep, Knock Down Hollow Metal Door Frame.....	329.99	72.38
For Auxiliary Frame Reinforcement For Hinges, Add	27.79	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	22.23	
For Type 304 Stainless Steel Frame, Add	340.67	
For Type 316 Stainless Steel Frame, Add	396.24	
For Baked Enamel Finish, Add	77.28	
For 18 Gauge Frame, Deduct	-18.52	
For 14 Gauge Frame, Add	46.31	
For 12 Gauge Frame, Add	70.39	
08 12 13 13-0053 EA 2'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	379.75	79.61
For Auxiliary Frame Reinforcement For Hinges, Add	33.08	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	26.46	
For Type 304 Stainless Steel Frame, Add	404.90	
For Type 316 Stainless Steel Frame, Add	471.05	
For Baked Enamel Finish, Add	90.04	
For 18 Gauge Frame, Deduct	-22.05	
For 14 Gauge Frame, Add	55.13	
For 12 Gauge Frame, Add	83.80	
08 12 13 13-0054 EA 2'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	392.92	84.44
For Auxiliary Frame Reinforcement For Hinges, Add	33.61	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	26.89	
For Type 304 Stainless Steel Frame, Add	411.73	
For Type 316 Stainless Steel Frame, Add	478.95	
For Baked Enamel Finish, Add	92.55	
For 18 Gauge Frame, Deduct	-22.41	
For 14 Gauge Frame, Add	56.01	
For 12 Gauge Frame, Add	85.14	
08 12 13 13-0055 EA 2'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	407.40	91.68
For Auxiliary Frame Reinforcement For Hinges, Add	33.61	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	26.89	
For Type 304 Stainless Steel Frame, Add	412.46	
For Type 316 Stainless Steel Frame, Add	479.67	
For Baked Enamel Finish, Add	94.72	
For 18 Gauge Frame, Deduct	-22.41	
For 14 Gauge Frame, Add	56.01	
For 12 Gauge Frame, Add	85.14	
08 12 13 13-0056 EA 2'-10" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	415.76	94.09
For Auxiliary Frame Reinforcement For Hinges, Add	34.14	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	27.31	
For Type 304 Stainless Steel Frame, Add	419.05	
For Type 316 Stainless Steel Frame, Add	487.33	
For Baked Enamel Finish, Add	96.50	
For 18 Gauge Frame, Deduct	-22.76	
For 14 Gauge Frame, Add	56.90	
For 12 Gauge Frame, Add	86.48	
08 12 13 13-0057 EA 3' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	424.11	96.50
For Auxiliary Frame Reinforcement For Hinges, Add	34.67	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	27.73	
For Type 304 Stainless Steel Frame, Add	425.65	
For Type 316 Stainless Steel Frame, Add	494.98	
For Baked Enamel Finish, Add	98.28	
For 18 Gauge Frame, Deduct	-23.11	
For 14 Gauge Frame, Add	57.78	
For 12 Gauge Frame, Add	87.82	
08 12 13 13-0058 EA 3'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	449.64	101.33
For Auxiliary Frame Reinforcement For Hinges, Add	37.05	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	29.64	
For Type 304 Stainless Steel Frame, Add	454.71	
For Type 316 Stainless Steel Frame, Add	528.81	
For Baked Enamel Finish, Add	104.49	
For 18 Gauge Frame, Deduct	-24.70	
For 14 Gauge Frame, Add	61.75	
For 12 Gauge Frame, Add	93.86	
08 12 13 13-0059 EA 3'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	459.29	106.16
For Auxiliary Frame Reinforcement For Hinges, Add	37.05	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	29.64	
For Type 304 Stainless Steel Frame, Add	455.20	
For Type 316 Stainless Steel Frame, Add	529.29	
For Baked Enamel Finish, Add	105.94	
For 18 Gauge Frame, Deduct	-24.70	
For 14 Gauge Frame, Add	61.75	
For 12 Gauge Frame, Add	93.86	

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0060 EA 4' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	477.76	110.97
For Auxiliary Frame Reinforcement For Hinges, Add	38.37	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	30.70	
For Type 304 Stainless Steel Frame, Add	471.56	
For Type 316 Stainless Steel Frame, Add	548.30	
For Baked Enamel Finish, Add	110.04	
For 18 Gauge Frame, Deduct	-25.58	
For 14 Gauge Frame, Add	63.95	
For 12 Gauge Frame, Add	97.21	
08 12 13 13-0061 EA 5' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	496.23	115.80
For Auxiliary Frame Reinforcement For Hinges, Add	39.69	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	31.76	
For Type 304 Stainless Steel Frame, Add	487.91	
For Type 316 Stainless Steel Frame, Add	567.30	
For Baked Enamel Finish, Add	114.13	
For 18 Gauge Frame, Deduct	-26.46	
For 14 Gauge Frame, Add	66.16	
For 12 Gauge Frame, Add	100.56	
08 12 13 13-0062 EA 5'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	505.88	120.63
For Auxiliary Frame Reinforcement For Hinges, Add	39.69	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	31.76	
For Type 304 Stainless Steel Frame, Add	488.40	
For Type 316 Stainless Steel Frame, Add	567.79	
For Baked Enamel Finish, Add	115.58	
For 18 Gauge Frame, Deduct	-26.46	
For 14 Gauge Frame, Add	66.16	
For 12 Gauge Frame, Add	100.56	
08 12 13 13-0063 EA 5'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	515.12	123.04
For Auxiliary Frame Reinforcement For Hinges, Add	40.36	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	32.28	
For Type 304 Stainless Steel Frame, Add	496.58	
For Type 316 Stainless Steel Frame, Add	577.29	
For Baked Enamel Finish, Add	117.62	
For 18 Gauge Frame, Deduct	-26.90	
For 14 Gauge Frame, Add	67.26	
For 12 Gauge Frame, Add	102.24	
08 12 13 13-0064 EA 6' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	524.35	125.45
For Auxiliary Frame Reinforcement For Hinges, Add	41.02	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	32.81	
For Type 304 Stainless Steel Frame, Add	504.76	
For Type 316 Stainless Steel Frame, Add	586.79	
For Baked Enamel Finish, Add	119.67	
For 18 Gauge Frame, Deduct	-27.35	
For 14 Gauge Frame, Add	68.36	
For 12 Gauge Frame, Add	103.91	
08 12 13 13-0065 EA 7' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	546.82	127.87
For Auxiliary Frame Reinforcement For Hinges, Add	43.66	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	34.93	
For Type 304 Stainless Steel Frame, Add	536.75	
For Type 316 Stainless Steel Frame, Add	624.08	
For Baked Enamel Finish, Add	125.69	
For 18 Gauge Frame, Deduct	-29.11	
For 14 Gauge Frame, Add	72.77	
For 12 Gauge Frame, Add	110.61	
08 12 13 13-0066 EA 8' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	569.29	130.28
For Auxiliary Frame Reinforcement For Hinges, Add	46.31	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	37.05	
For Type 304 Stainless Steel Frame, Add	568.76	
For Type 316 Stainless Steel Frame, Add	661.38	
For Baked Enamel Finish, Add	131.70	
For 18 Gauge Frame, Deduct	-30.87	
For 14 Gauge Frame, Add	77.19	
For 12 Gauge Frame, Add	117.32	
08 12 13 13-0067 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13)		
Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0068 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0067)		
08 12 13 13-0069 EA 2' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	408.68	72.38
For Auxiliary Frame Reinforcement For Hinges, Add	39.59	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	31.67	
For Type 304 Stainless Steel Frame, Add	482.31	
For Type 316 Stainless Steel Frame, Add	561.49	
For Baked Enamel Finish, Add	100.89	
For 18 Gauge Frame, Deduct	-26.39	
For 14 Gauge Frame, Add	65.98	
For 12 Gauge Frame, Add	100.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0070 EA 2'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	473.43	79.61
For Auxiliary Frame Reinforcement For Hinges, Add	47.13	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	37.70	
For Type 304 Stainless Steel Frame, Add	573.52	
For Type 316 Stainless Steel Frame, Add	667.78	
For Baked Enamel Finish, Add	118.14	
For 18 Gauge Frame, Deduct	-31.42	
For 14 Gauge Frame, Add	78.55	
For 12 Gauge Frame, Add	119.40	
08 12 13 13-0071 EA 2'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	488.10	84.44
For Auxiliary Frame Reinforcement For Hinges, Add	47.88	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	38.31	
For Type 304 Stainless Steel Frame, Add	583.06	
For Type 316 Stainless Steel Frame, Add	678.83	
For Baked Enamel Finish, Add	121.10	
For 18 Gauge Frame, Deduct	-31.92	
For 14 Gauge Frame, Add	79.81	
For 12 Gauge Frame, Add	121.31	
08 12 13 13-0072 EA 2'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	502.58	91.68
For Auxiliary Frame Reinforcement For Hinges, Add	47.88	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	38.31	
For Type 304 Stainless Steel Frame, Add	583.78	
For Type 316 Stainless Steel Frame, Add	679.55	
For Baked Enamel Finish, Add	123.27	
For 18 Gauge Frame, Deduct	-31.92	
For 14 Gauge Frame, Add	79.81	
For 12 Gauge Frame, Add	121.31	
08 12 13 13-0073 EA 2'-10" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	512.44	94.09
For Auxiliary Frame Reinforcement For Hinges, Add	48.64	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	38.91	
For Type 304 Stainless Steel Frame, Add	593.08	
For Type 316 Stainless Steel Frame, Add	690.36	
For Baked Enamel Finish, Add	125.51	
For 18 Gauge Frame, Deduct	-32.43	
For 14 Gauge Frame, Add	81.07	
For 12 Gauge Frame, Add	123.22	
08 12 13 13-0074 EA 3' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	522.29	96.50
For Auxiliary Frame Reinforcement For Hinges, Add	49.39	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	39.51	
For Type 304 Stainless Steel Frame, Add	602.37	
For Type 316 Stainless Steel Frame, Add	701.16	
For Baked Enamel Finish, Add	127.74	
For 18 Gauge Frame, Deduct	-32.93	
For 14 Gauge Frame, Add	82.32	
For 12 Gauge Frame, Add	125.13	
08 12 13 13-0075 EA 3'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	554.56	101.33
For Auxiliary Frame Reinforcement For Hinges, Add	52.79	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	42.23	
For Type 304 Stainless Steel Frame, Add	643.57	
For Type 316 Stainless Steel Frame, Add	749.14	
For Baked Enamel Finish, Add	135.97	
For 18 Gauge Frame, Deduct	-35.19	
For 14 Gauge Frame, Add	87.98	
For 12 Gauge Frame, Add	133.73	
08 12 13 13-0076 EA 3'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	564.21	106.16
For Auxiliary Frame Reinforcement For Hinges, Add	52.79	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	42.23	
For Type 304 Stainless Steel Frame, Add	644.05	
For Type 316 Stainless Steel Frame, Add	749.63	
For Baked Enamel Finish, Add	137.42	
For 18 Gauge Frame, Deduct	-35.19	
For 14 Gauge Frame, Add	87.98	
For 12 Gauge Frame, Add	133.73	
08 12 13 13-0077 EA 4' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	586.43	110.97
For Auxiliary Frame Reinforcement For Hinges, Add	54.67	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	43.74	
For Type 304 Stainless Steel Frame, Add	667.16	
For Type 316 Stainless Steel Frame, Add	776.51	
For Baked Enamel Finish, Add	142.64	
For 18 Gauge Frame, Deduct	-36.45	
For 14 Gauge Frame, Add	91.12	
For 12 Gauge Frame, Add	138.50	

08 Openings

08 10 Doors And Frames

08 12 Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0078	EA		5' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	608.64	115.80
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	56.56	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	45.24	
			<i>For Type 304 Stainless Steel Frame, Add</i>	690.25	
			<i>For Type 316 Stainless Steel Frame, Add</i>	803.36	
			<i>For Baked Enamel Finish, Add</i>	147.85	
			<i>For 18 Gauge Frame, Deduct</i>	-37.70	
			<i>For 14 Gauge Frame, Add</i>	94.26	
			<i>For 12 Gauge Frame, Add</i>	143.28	
08 12 13 13-0079	EA		5'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	618.29	120.63
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	56.56	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	45.24	
			<i>For Type 304 Stainless Steel Frame, Add</i>	690.73	
			<i>For Type 316 Stainless Steel Frame, Add</i>	803.85	
			<i>For Baked Enamel Finish, Add</i>	149.30	
			<i>For 18 Gauge Frame, Deduct</i>	-37.70	
			<i>For 14 Gauge Frame, Add</i>	94.26	
			<i>For 12 Gauge Frame, Add</i>	143.28	
08 12 13 13-0080	EA		5'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	629.41	123.04
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	57.50	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	46.00	
			<i>For Type 304 Stainless Steel Frame, Add</i>	702.30	
			<i>For Type 316 Stainless Steel Frame, Add</i>	817.30	
			<i>For Baked Enamel Finish, Add</i>	151.91	
			<i>For 18 Gauge Frame, Deduct</i>	-38.33	
			<i>For 14 Gauge Frame, Add</i>	95.83	
			<i>For 12 Gauge Frame, Add</i>	145.67	
08 12 13 13-0081	EA		6' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	640.51	125.45
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	58.44	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	46.75	
			<i>For Type 304 Stainless Steel Frame, Add</i>	713.84	
			<i>For Type 316 Stainless Steel Frame, Add</i>	830.73	
			<i>For Baked Enamel Finish, Add</i>	154.52	
			<i>For 18 Gauge Frame, Deduct</i>	-38.96	
			<i>For 14 Gauge Frame, Add</i>	97.40	
			<i>For 12 Gauge Frame, Add</i>	148.05	
08 12 13 13-0082	EA		7' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	670.48	127.87
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	62.21	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	49.77	
			<i>For Type 304 Stainless Steel Frame, Add</i>	759.34	
			<i>For Type 316 Stainless Steel Frame, Add</i>	883.76	
			<i>For Baked Enamel Finish, Add</i>	162.78	
			<i>For 18 Gauge Frame, Deduct</i>	-41.48	
			<i>For 14 Gauge Frame, Add</i>	103.69	
			<i>For 12 Gauge Frame, Add</i>	157.61	
08 12 13 13-0083	EA		8' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	700.44	130.28
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	65.98	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	52.79	
			<i>For Type 304 Stainless Steel Frame, Add</i>	804.83	
			<i>For Type 316 Stainless Steel Frame, Add</i>	936.80	
			<i>For Baked Enamel Finish, Add</i>	171.05	
			<i>For 18 Gauge Frame, Deduct</i>	-43.99	
			<i>For 14 Gauge Frame, Add</i>	109.97	
			<i>For 12 Gauge Frame, Add</i>	167.16	
08 12 13 13-0084			>7'-2" Through 9'-0" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13-0067)</small>		
08 12 13 13-0085	EA		2' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	438.01	72.38
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	43.99	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	35.19	
			<i>For Type 304 Stainless Steel Frame, Add</i>	535.11	
			<i>For Type 316 Stainless Steel Frame, Add</i>	623.08	
			<i>For Baked Enamel Finish, Add</i>	109.69	
			<i>For 18 Gauge Frame, Deduct</i>	-29.33	
			<i>For 14 Gauge Frame, Add</i>	73.32	
			<i>For 12 Gauge Frame, Add</i>	111.44	
08 12 13 13-0086	EA		2'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	508.35	79.61
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	52.37	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	41.89	
			<i>For Type 304 Stainless Steel Frame, Add</i>	636.38	
			<i>For Type 316 Stainless Steel Frame, Add</i>	741.11	
			<i>For Baked Enamel Finish, Add</i>	128.62	
			<i>For 18 Gauge Frame, Deduct</i>	-34.91	
			<i>For 14 Gauge Frame, Add</i>	87.28	
			<i>For 12 Gauge Frame, Add</i>	132.67	



Openings	08	08
Doors And Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0087 EA 2'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	523.57	84.44
For Auxiliary Frame Reinforcement For Hinges, Add	53.21	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	42.56	
For Type 304 Stainless Steel Frame, Add	646.90	
For Type 316 Stainless Steel Frame, Add	753.31	
For Baked Enamel Finish, Add	131.74	
For 18 Gauge Frame, Deduct	-35.47	
For 14 Gauge Frame, Add	88.68	
For 12 Gauge Frame, Add	134.79	
08 12 13 13-0088 EA 2'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	538.05	91.68
For Auxiliary Frame Reinforcement For Hinges, Add	53.21	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	42.56	
For Type 304 Stainless Steel Frame, Add	647.63	
For Type 316 Stainless Steel Frame, Add	754.04	
For Baked Enamel Finish, Add	133.91	
For 18 Gauge Frame, Deduct	-35.47	
For 14 Gauge Frame, Add	88.68	
For 12 Gauge Frame, Add	134.79	
08 12 13 13-0089 EA 2'-10" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	548.47	94.09
For Auxiliary Frame Reinforcement For Hinges, Add	54.04	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	43.23	
For Type 304 Stainless Steel Frame, Add	657.93	
For Type 316 Stainless Steel Frame, Add	766.02	
For Baked Enamel Finish, Add	136.31	
For 18 Gauge Frame, Deduct	-36.03	
For 14 Gauge Frame, Add	90.07	
For 12 Gauge Frame, Add	136.91	
08 12 13 13-0090 EA 3' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	558.87	96.50
For Auxiliary Frame Reinforcement For Hinges, Add	54.88	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	43.90	
For Type 304 Stainless Steel Frame, Add	668.22	
For Type 316 Stainless Steel Frame, Add	777.98	
For Baked Enamel Finish, Add	138.71	
For 18 Gauge Frame, Deduct	-36.59	
For 14 Gauge Frame, Add	91.47	
For 12 Gauge Frame, Add	139.03	
08 12 13 13-0091 EA 3'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	593.66	101.33
For Auxiliary Frame Reinforcement For Hinges, Add	58.65	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	46.92	
For Type 304 Stainless Steel Frame, Add	713.95	
For Type 316 Stainless Steel Frame, Add	831.25	
For Baked Enamel Finish, Add	147.70	
For 18 Gauge Frame, Deduct	-39.10	
For 14 Gauge Frame, Add	97.75	
For 12 Gauge Frame, Add	148.58	
08 12 13 13-0092 EA 3'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	603.31	106.16
For Auxiliary Frame Reinforcement For Hinges, Add	58.65	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	46.92	
For Type 304 Stainless Steel Frame, Add	714.43	
For Type 316 Stainless Steel Frame, Add	831.74	
For Baked Enamel Finish, Add	149.15	
For 18 Gauge Frame, Deduct	-39.10	
For 14 Gauge Frame, Add	97.75	
For 12 Gauge Frame, Add	148.58	
08 12 13 13-0093 EA 4' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	626.92	110.97
For Auxiliary Frame Reinforcement For Hinges, Add	60.75	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	48.60	
For Type 304 Stainless Steel Frame, Add	740.04	
For Type 316 Stainless Steel Frame, Add	861.53	
For Baked Enamel Finish, Add	154.78	
For 18 Gauge Frame, Deduct	-40.50	
For 14 Gauge Frame, Add	101.24	
For 12 Gauge Frame, Add	153.89	
08 12 13 13-0094 EA 5' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	650.54	115.80
For Auxiliary Frame Reinforcement For Hinges, Add	62.84	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	50.27	
For Type 304 Stainless Steel Frame, Add	765.67	
For Type 316 Stainless Steel Frame, Add	891.35	
For Baked Enamel Finish, Add	160.42	
For 18 Gauge Frame, Deduct	-41.89	
For 14 Gauge Frame, Add	104.74	
For 12 Gauge Frame, Add	159.20	

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0095 EA 5'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	660.19	120.63
For Auxiliary Frame Reinforcement For Hinges, Add	62.84	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	50.27	
For Type 304 Stainless Steel Frame, Add	766.15	
For Type 316 Stainless Steel Frame, Add	891.84	
For Baked Enamel Finish, Add	161.87	
For 18 Gauge Frame, Deduct	-41.89	
For 14 Gauge Frame, Add	104.74	
For 12 Gauge Frame, Add	159.20	
08 12 13 13-0096 EA 5'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	672.00	123.04
For Auxiliary Frame Reinforcement For Hinges, Add	63.89	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	51.11	
For Type 304 Stainless Steel Frame, Add	778.96	
For Type 316 Stainless Steel Frame, Add	906.74	
For Baked Enamel Finish, Add	164.69	
For 18 Gauge Frame, Deduct	-42.59	
For 14 Gauge Frame, Add	106.48	
For 12 Gauge Frame, Add	161.85	
08 12 13 13-0097 EA 6' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	683.80	125.45
For Auxiliary Frame Reinforcement For Hinges, Add	64.94	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	51.95	
For Type 304 Stainless Steel Frame, Add	791.77	
For Type 316 Stainless Steel Frame, Add	921.64	
For Baked Enamel Finish, Add	167.51	
For 18 Gauge Frame, Deduct	-43.29	
For 14 Gauge Frame, Add	108.23	
For 12 Gauge Frame, Add	164.50	
08 12 13 13-0098 EA 7' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	716.56	127.87
For Auxiliary Frame Reinforcement For Hinges, Add	69.12	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	55.30	
For Type 304 Stainless Steel Frame, Add	842.28	
For Type 316 Stainless Steel Frame, Add	980.53	
For Baked Enamel Finish, Add	176.61	
For 18 Gauge Frame, Deduct	-46.08	
For 14 Gauge Frame, Add	115.21	
For 12 Gauge Frame, Add	175.12	
08 12 13 13-0099 EA 8' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	749.31	130.28
For Auxiliary Frame Reinforcement For Hinges, Add	73.31	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	58.65	
For Type 304 Stainless Steel Frame, Add	892.80	
For Type 316 Stainless Steel Frame, Add	1,039.42	
For Baked Enamel Finish, Add	185.71	
For 18 Gauge Frame, Deduct	-48.88	
For 14 Gauge Frame, Add	122.19	
For 12 Gauge Frame, Add	185.73	
08 12 13 13-0100 6'-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13)</small>		
Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0101 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13-0100)</small>		
08 12 13 13-0102 EA 2' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	428.48	72.38
For Auxiliary Frame Reinforcement For Hinges, Add	42.56	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	34.05	
For Type 304 Stainless Steel Frame, Add	517.95	
For Type 316 Stainless Steel Frame, Add	603.07	
For Baked Enamel Finish, Add	106.83	
For 18 Gauge Frame, Deduct	-28.37	
For 14 Gauge Frame, Add	70.93	
For 12 Gauge Frame, Add	107.82	
08 12 13 13-0103 EA 2'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	497.00	79.61
For Auxiliary Frame Reinforcement For Hinges, Add	50.67	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	40.53	
For Type 304 Stainless Steel Frame, Add	615.95	
For Type 316 Stainless Steel Frame, Add	717.28	
For Baked Enamel Finish, Add	125.22	
For 18 Gauge Frame, Deduct	-33.78	
For 14 Gauge Frame, Add	84.44	
For 12 Gauge Frame, Add	128.35	



Openings	08	08
Doors And Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0104 EA 2'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame 512.04	512.04	84.44
For Auxiliary Frame Reinforcement For Hinges, Add	51.48	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	41.18	
For Type 304 Stainless Steel Frame, Add	626.15	
For Type 316 Stainless Steel Frame, Add	729.10	
For Baked Enamel Finish, Add	128.28	
For 18 Gauge Frame, Deduct	-34.32	
For 14 Gauge Frame, Add	85.79	
For 12 Gauge Frame, Add	130.40	
08 12 13 13-0105 EA 2'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame 526.52	526.52	91.68
For Auxiliary Frame Reinforcement For Hinges, Add	51.48	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	41.18	
For Type 304 Stainless Steel Frame, Add	626.87	
For Type 316 Stainless Steel Frame, Add	729.82	
For Baked Enamel Finish, Add	130.45	
For 18 Gauge Frame, Deduct	-34.32	
For 14 Gauge Frame, Add	85.79	
For 12 Gauge Frame, Add	130.40	
08 12 13 13-0106 EA 2'-10" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame 536.76	536.76	94.09
For Auxiliary Frame Reinforcement For Hinges, Add	52.29	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	41.83	
For Type 304 Stainless Steel Frame, Add	636.85	
For Type 316 Stainless Steel Frame, Add	741.43	
For Baked Enamel Finish, Add	132.80	
For 18 Gauge Frame, Deduct	-34.86	
For 14 Gauge Frame, Add	87.15	
For 12 Gauge Frame, Add	132.46	
08 12 13 13-0107 EA 3' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame 546.98	546.98	96.50
For Auxiliary Frame Reinforcement For Hinges, Add	53.10	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	42.48	
For Type 304 Stainless Steel Frame, Add	646.81	
For Type 316 Stainless Steel Frame, Add	753.01	
For Baked Enamel Finish, Add	135.14	
For 18 Gauge Frame, Deduct	-35.40	
For 14 Gauge Frame, Add	88.50	
For 12 Gauge Frame, Add	134.51	
08 12 13 13-0108 EA 3'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame 580.95	580.95	101.33
For Auxiliary Frame Reinforcement For Hinges, Add	56.75	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	45.40	
For Type 304 Stainless Steel Frame, Add	691.07	
For Type 316 Stainless Steel Frame, Add	804.56	
For Baked Enamel Finish, Add	143.89	
For 18 Gauge Frame, Deduct	-37.83	
For 14 Gauge Frame, Add	94.58	
For 12 Gauge Frame, Add	143.75	
08 12 13 13-0109 EA 3'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame 590.60	590.60	106.16
For Auxiliary Frame Reinforcement For Hinges, Add	56.75	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	45.40	
For Type 304 Stainless Steel Frame, Add	691.56	
For Type 316 Stainless Steel Frame, Add	805.05	
For Baked Enamel Finish, Add	145.34	
For 18 Gauge Frame, Deduct	-37.83	
For 14 Gauge Frame, Add	94.58	
For 12 Gauge Frame, Add	143.75	
08 12 13 13-0110 EA 4' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame 613.76	613.76	110.97
For Auxiliary Frame Reinforcement For Hinges, Add	58.77	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	47.02	
For Type 304 Stainless Steel Frame, Add	716.36	
For Type 316 Stainless Steel Frame, Add	833.90	
For Baked Enamel Finish, Add	150.84	
For 18 Gauge Frame, Deduct	-39.18	
For 14 Gauge Frame, Add	97.95	
For 12 Gauge Frame, Add	148.89	
08 12 13 13-0111 EA 5' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame 636.92	636.92	115.80
For Auxiliary Frame Reinforcement For Hinges, Add	60.80	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	48.64	
For Type 304 Stainless Steel Frame, Add	741.16	
For Type 316 Stainless Steel Frame, Add	862.75	
For Baked Enamel Finish, Add	156.34	
For 18 Gauge Frame, Deduct	-40.53	
For 14 Gauge Frame, Add	101.33	
For 12 Gauge Frame, Add	154.02	

08 Openings**08 10 Doors And Frames****08 12 Metal Frames**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0112 EA 5'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	646.57	120.63
For Auxiliary Frame Reinforcement For Hinges, Add	60.80	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	48.64	
For Type 304 Stainless Steel Frame, Add	741.64	
For Type 316 Stainless Steel Frame, Add	863.23	
For Baked Enamel Finish, Add	157.78	
For 18 Gauge Frame, Deduct	-40.53	
For 14 Gauge Frame, Add	101.33	
For 12 Gauge Frame, Add	154.02	
08 12 13 13-0113 EA 5'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	658.16	123.04
For Auxiliary Frame Reinforcement For Hinges, Add	61.81	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	49.45	
For Type 304 Stainless Steel Frame, Add	754.05	
For Type 316 Stainless Steel Frame, Add	877.67	
For Baked Enamel Finish, Add	160.54	
For 18 Gauge Frame, Deduct	-41.21	
For 14 Gauge Frame, Add	103.02	
For 12 Gauge Frame, Add	156.59	
08 12 13 13-0114 EA 6' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	669.73	125.45
For Auxiliary Frame Reinforcement For Hinges, Add	62.82	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	50.26	
For Type 304 Stainless Steel Frame, Add	766.44	
For Type 316 Stainless Steel Frame, Add	892.09	
For Baked Enamel Finish, Add	163.28	
For 18 Gauge Frame, Deduct	-41.88	
For 14 Gauge Frame, Add	104.71	
For 12 Gauge Frame, Add	159.16	
08 12 13 13-0115 EA 7' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	701.58	127.87
For Auxiliary Frame Reinforcement For Hinges, Add	66.88	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	53.50	
For Type 304 Stainless Steel Frame, Add	815.32	
For Type 316 Stainless Steel Frame, Add	949.07	
For Baked Enamel Finish, Add	172.11	
For 18 Gauge Frame, Deduct	-44.59	
For 14 Gauge Frame, Add	111.46	
For 12 Gauge Frame, Add	169.42	
08 12 13 13-0116 EA 8' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	733.43	130.28
For Auxiliary Frame Reinforcement For Hinges, Add	70.93	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	56.75	
For Type 304 Stainless Steel Frame, Add	864.21	
For Type 316 Stainless Steel Frame, Add	1,006.08	
For Baked Enamel Finish, Add	180.95	
For 18 Gauge Frame, Deduct	-47.29	
For 14 Gauge Frame, Add	118.22	
For 12 Gauge Frame, Add	179.69	
08 12 13 13-0117 >7'-2" Through 9'-0" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock		
Down Hollow Metal Door Frames <small>(08 12 13 13-0100)</small>		
08 12 13 13-0118 EA 2' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	460.00	72.38
For Auxiliary Frame Reinforcement For Hinges, Add	47.29	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	37.83	
For Type 304 Stainless Steel Frame, Add	574.69	
For Type 316 Stainless Steel Frame, Add	669.26	
For Baked Enamel Finish, Add	116.29	
For 18 Gauge Frame, Deduct	-31.53	
For 14 Gauge Frame, Add	78.81	
For 12 Gauge Frame, Add	119.80	
08 12 13 13-0119 EA 2'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	534.53	79.61
For Auxiliary Frame Reinforcement For Hinges, Add	56.30	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	45.04	
For Type 304 Stainless Steel Frame, Add	683.50	
For Type 316 Stainless Steel Frame, Add	796.09	
For Baked Enamel Finish, Add	136.47	
For 18 Gauge Frame, Deduct	-37.53	
For 14 Gauge Frame, Add	93.83	
For 12 Gauge Frame, Add	142.61	
08 12 13 13-0120 EA 2'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	550.17	84.44
For Auxiliary Frame Reinforcement For Hinges, Add	57.20	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	45.76	
For Type 304 Stainless Steel Frame, Add	694.78	
For Type 316 Stainless Steel Frame, Add	809.17	
For Baked Enamel Finish, Add	139.72	
For 18 Gauge Frame, Deduct	-38.13	
For 14 Gauge Frame, Add	95.33	
For 12 Gauge Frame, Add	144.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0121 EA 2'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	564.65	91.68
For Auxiliary Frame Reinforcement For Hinges, Add	57.20	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	45.76	
For Type 304 Stainless Steel Frame, Add	695.51	
For Type 316 Stainless Steel Frame, Add	809.90	
For Baked Enamel Finish, Add	141.89	
For 18 Gauge Frame, Deduct	-38.13	
For 14 Gauge Frame, Add	95.33	
For 12 Gauge Frame, Add	144.89	
08 12 13 13-0122 EA 2'-10" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	575.49	94.09
For Auxiliary Frame Reinforcement For Hinges, Add	58.10	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	46.48	
For Type 304 Stainless Steel Frame, Add	706.57	
For Type 316 Stainless Steel Frame, Add	822.76	
For Baked Enamel Finish, Add	144.42	
For 18 Gauge Frame, Deduct	-38.73	
For 14 Gauge Frame, Add	96.83	
For 12 Gauge Frame, Add	147.18	
08 12 13 13-0123 EA 3' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	586.31	96.50
For Auxiliary Frame Reinforcement For Hinges, Add	59.00	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	47.20	
For Type 304 Stainless Steel Frame, Add	717.61	
For Type 316 Stainless Steel Frame, Add	835.60	
For Baked Enamel Finish, Add	146.94	
For 18 Gauge Frame, Deduct	-39.33	
For 14 Gauge Frame, Add	98.33	
For 12 Gauge Frame, Add	149.46	
08 12 13 13-0124 EA 3'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	622.98	101.33
For Auxiliary Frame Reinforcement For Hinges, Add	63.05	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	50.44	
For Type 304 Stainless Steel Frame, Add	766.73	
For Type 316 Stainless Steel Frame, Add	892.83	
For Baked Enamel Finish, Add	156.50	
For 18 Gauge Frame, Deduct	-42.03	
For 14 Gauge Frame, Add	105.08	
For 12 Gauge Frame, Add	159.73	
08 12 13 13-0125 EA 3'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	632.63	106.16
For Auxiliary Frame Reinforcement For Hinges, Add	63.05	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	50.44	
For Type 304 Stainless Steel Frame, Add	767.21	
For Type 316 Stainless Steel Frame, Add	893.31	
For Baked Enamel Finish, Add	157.94	
For 18 Gauge Frame, Deduct	-42.03	
For 14 Gauge Frame, Add	105.08	
For 12 Gauge Frame, Add	159.73	
08 12 13 13-0126 EA 4' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	657.30	110.97
For Auxiliary Frame Reinforcement For Hinges, Add	65.30	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	52.24	
For Type 304 Stainless Steel Frame, Add	794.73	
For Type 316 Stainless Steel Frame, Add	925.33	
For Baked Enamel Finish, Add	163.90	
For 18 Gauge Frame, Deduct	-43.54	
For 14 Gauge Frame, Add	108.84	
For 12 Gauge Frame, Add	165.43	
08 12 13 13-0127 EA 5' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	681.96	115.80
For Auxiliary Frame Reinforcement For Hinges, Add	67.55	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	54.04	
For Type 304 Stainless Steel Frame, Add	822.23	
For Type 316 Stainless Steel Frame, Add	957.34	
For Baked Enamel Finish, Add	169.85	
For 18 Gauge Frame, Deduct	-45.04	
For 14 Gauge Frame, Add	112.59	
For 12 Gauge Frame, Add	171.14	
08 12 13 13-0128 EA 5'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	691.61	120.63
For Auxiliary Frame Reinforcement For Hinges, Add	67.55	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	54.04	
For Type 304 Stainless Steel Frame, Add	822.71	
For Type 316 Stainless Steel Frame, Add	957.82	
For Baked Enamel Finish, Add	171.30	
For 18 Gauge Frame, Deduct	-45.04	
For 14 Gauge Frame, Add	112.59	
For 12 Gauge Frame, Add	171.14	

08 Openings**08 10 Doors And Frames****08 12 Metal Frames**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 12 13 13-0129	EA 5'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	703.94	123.04
	For Auxiliary Frame Reinforcement For Hinges, Add	68.68	
	For Welded Frames, Add	59.50	
	For Galvanized Frames, Add	54.94	
	For Type 304 Stainless Steel Frame, Add	836.45	
	For Type 316 Stainless Steel Frame, Add	973.81	
	For Baked Enamel Finish, Add	174.27	
	For 18 Gauge Frame, Deduct	-45.79	
	For 14 Gauge Frame, Add	114.47	
	For 12 Gauge Frame, Add	173.99	
08 12 13 13-0130	EA 6' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	716.27	125.45
	For Auxiliary Frame Reinforcement For Hinges, Add	69.81	
	For Welded Frames, Add	59.50	
	For Galvanized Frames, Add	55.84	
	For Type 304 Stainless Steel Frame, Add	850.21	
	For Type 316 Stainless Steel Frame, Add	989.82	
	For Baked Enamel Finish, Add	177.25	
	For 18 Gauge Frame, Deduct	-46.54	
	For 14 Gauge Frame, Add	116.34	
	For 12 Gauge Frame, Add	176.84	
08 12 13 13-0131	EA 7' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	751.12	127.87
	For Auxiliary Frame Reinforcement For Hinges, Add	74.31	
	For Welded Frames, Add	59.50	
	For Galvanized Frames, Add	59.45	
	For Type 304 Stainless Steel Frame, Add	904.49	
	For Type 316 Stainless Steel Frame, Add	1,053.11	
	For Baked Enamel Finish, Add	186.98	
	For 18 Gauge Frame, Deduct	-49.54	
	For 14 Gauge Frame, Add	123.85	
	For 12 Gauge Frame, Add	188.25	
08 12 13 13-0132	EA 8' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	785.97	130.28
	For Auxiliary Frame Reinforcement For Hinges, Add	78.81	
	For Welded Frames, Add	59.50	
	For Galvanized Frames, Add	63.05	
	For Type 304 Stainless Steel Frame, Add	958.78	
	For Type 316 Stainless Steel Frame, Add	1,116.41	
	For Baked Enamel Finish, Add	196.71	
	For 18 Gauge Frame, Deduct	-52.54	
	For 14 Gauge Frame, Add	131.36	
	For 12 Gauge Frame, Add	199.66	
08 12 13 13-0133	8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13)</small>		
	Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0134	6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13-0133)</small>		
08 12 13 13-0135	EA 2' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	441.67	72.38
	For Auxiliary Frame Reinforcement For Hinges, Add	44.54	
	For Welded Frames, Add	59.50	
	For Galvanized Frames, Add	35.63	
	For Type 304 Stainless Steel Frame, Add	541.69	
	For Type 316 Stainless Steel Frame, Add	630.77	
	For Baked Enamel Finish, Add	110.79	
	For 18 Gauge Frame, Deduct	-29.69	
	For 14 Gauge Frame, Add	74.23	
	For 12 Gauge Frame, Add	112.83	
08 12 13 13-0136	EA 2'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	512.71	79.61
	For Auxiliary Frame Reinforcement For Hinges, Add	53.02	
	For Welded Frames, Add	59.50	
	For Galvanized Frames, Add	42.42	
	For Type 304 Stainless Steel Frame, Add	644.23	
	For Type 316 Stainless Steel Frame, Add	750.27	
	For Baked Enamel Finish, Add	129.93	
	For 18 Gauge Frame, Deduct	-35.35	
	For 14 Gauge Frame, Add	88.37	
	For 12 Gauge Frame, Add	134.32	
08 12 13 13-0137	EA 2'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	528.00	84.44
	For Auxiliary Frame Reinforcement For Hinges, Add	53.87	
	For Welded Frames, Add	59.50	
	For Galvanized Frames, Add	43.10	
	For Type 304 Stainless Steel Frame, Add	654.88	
	For Type 316 Stainless Steel Frame, Add	762.62	
	For Baked Enamel Finish, Add	133.07	
	For 18 Gauge Frame, Deduct	-35.91	
	For 14 Gauge Frame, Add	89.78	
	For 12 Gauge Frame, Add	136.47	



	Openings	08
	Doors And Frames	08 10
	Metal Frames	08 12

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0138 EA 2'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame 542.48		91.68
For Auxiliary Frame Reinforcement For Hinges, Add	53.87	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	43.10	
For Type 304 Stainless Steel Frame, Add	655.60	
For Type 316 Stainless Steel Frame, Add	763.34	
For Baked Enamel Finish, Add	135.24	
For 18 Gauge Frame, Deduct	-35.91	
For 14 Gauge Frame, Add	89.78	
For 12 Gauge Frame, Add	136.47	
08 12 13 13-0139 EA 2'-10" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame 552.97		94.09
For Auxiliary Frame Reinforcement For Hinges, Add	54.72	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	43.77	
For Type 304 Stainless Steel Frame, Add	666.03	
For Type 316 Stainless Steel Frame, Add	775.47	
For Baked Enamel Finish, Add	137.66	
For 18 Gauge Frame, Deduct	-36.48	
For 14 Gauge Frame, Add	91.20	
For 12 Gauge Frame, Add	138.62	
08 12 13 13-0140 EA 3' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame 563.45		96.50
For Auxiliary Frame Reinforcement For Hinges, Add	55.57	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	44.45	
For Type 304 Stainless Steel Frame, Add	676.46	
For Type 316 Stainless Steel Frame, Add	787.60	
For Baked Enamel Finish, Add	140.09	
For 18 Gauge Frame, Deduct	-37.05	
For 14 Gauge Frame, Add	92.61	
For 12 Gauge Frame, Add	140.77	
08 12 13 13-0141 EA 3'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame 598.55		101.33
For Auxiliary Frame Reinforcement For Hinges, Add	59.39	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	47.51	
For Type 304 Stainless Steel Frame, Add	722.75	
For Type 316 Stainless Steel Frame, Add	841.52	
For Baked Enamel Finish, Add	149.17	
For 18 Gauge Frame, Deduct	-39.59	
For 14 Gauge Frame, Add	98.98	
For 12 Gauge Frame, Add	150.44	
08 12 13 13-0142 EA 3'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame 608.20		106.16
For Auxiliary Frame Reinforcement For Hinges, Add	59.39	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	47.51	
For Type 304 Stainless Steel Frame, Add	723.24	
For Type 316 Stainless Steel Frame, Add	842.01	
For Baked Enamel Finish, Add	150.62	
For 18 Gauge Frame, Deduct	-39.59	
For 14 Gauge Frame, Add	98.98	
For 12 Gauge Frame, Add	150.44	
08 12 13 13-0143 EA 4' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame 631.99		110.97
For Auxiliary Frame Reinforcement For Hinges, Add	61.51	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	49.20	
For Type 304 Stainless Steel Frame, Add	749.17	
For Type 316 Stainless Steel Frame, Add	872.18	
For Baked Enamel Finish, Add	156.30	
For 18 Gauge Frame, Deduct	-41.00	
For 14 Gauge Frame, Add	102.51	
For 12 Gauge Frame, Add	155.82	
08 12 13 13-0144 EA 5' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame 655.77		115.80
For Auxiliary Frame Reinforcement For Hinges, Add	63.63	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	50.90	
For Type 304 Stainless Steel Frame, Add	775.09	
For Type 316 Stainless Steel Frame, Add	902.34	
For Baked Enamel Finish, Add	161.99	
For 18 Gauge Frame, Deduct	-42.42	
For 14 Gauge Frame, Add	106.04	
For 12 Gauge Frame, Add	161.18	
08 12 13 13-0145 EA 5'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame 665.42		120.63
For Auxiliary Frame Reinforcement For Hinges, Add	63.63	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	50.90	
For Type 304 Stainless Steel Frame, Add	775.57	
For Type 316 Stainless Steel Frame, Add	902.82	
For Baked Enamel Finish, Add	163.44	
For 18 Gauge Frame, Deduct	-42.42	
For 14 Gauge Frame, Add	106.04	
For 12 Gauge Frame, Add	161.18	

08 Openings
08 10 Doors And Frames
08 12 Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13	13-0146	EA	5'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	677.32	123.04
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	64.69	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	51.75	
			<i>For Type 304 Stainless Steel Frame, Add</i>	788.54	
			<i>For Type 316 Stainless Steel Frame, Add</i>	917.91	
			<i>For Baked Enamel Finish, Add</i>	166.28	
			<i>For 18 Gauge Frame, Deduct</i>	-43.12	
			<i>For 14 Gauge Frame, Add</i>	107.81	
			<i>For 12 Gauge Frame, Add</i>	163.87	
08 12 13	13-0147	EA	6' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	689.21	125.45
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	65.75	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	52.60	
			<i>For Type 304 Stainless Steel Frame, Add</i>	801.50	
			<i>For Type 316 Stainless Steel Frame, Add</i>	933.00	
			<i>For Baked Enamel Finish, Add</i>	169.13	
			<i>For 18 Gauge Frame, Deduct</i>	-43.83	
			<i>For 14 Gauge Frame, Add</i>	109.58	
			<i>For 12 Gauge Frame, Add</i>	166.56	
08 12 13	13-0148	EA	7' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	722.32	127.87
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	69.99	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	55.99	
			<i>For Type 304 Stainless Steel Frame, Add</i>	852.65	
			<i>For Type 316 Stainless Steel Frame, Add</i>	992.63	
			<i>For Baked Enamel Finish, Add</i>	178.34	
			<i>For 18 Gauge Frame, Deduct</i>	-46.66	
			<i>For 14 Gauge Frame, Add</i>	116.65	
			<i>For 12 Gauge Frame, Add</i>	177.30	
08 12 13	13-0149	EA	8' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	755.42	130.28
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	74.23	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	59.38	
			<i>For Type 304 Stainless Steel Frame, Add</i>	903.79	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,052.25	
			<i>For Baked Enamel Finish, Add</i>	187.54	
			<i>For 18 Gauge Frame, Deduct</i>	-49.49	
			<i>For 14 Gauge Frame, Add</i>	123.72	
			<i>For 12 Gauge Frame, Add</i>	188.05	
08 12 13	13-0150		>7'-2" Through 9'-0" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13-0133)</small>		
08 12 13	13-0151	EA	2' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	474.66	72.38
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	49.49	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	39.59	
			<i>For Type 304 Stainless Steel Frame, Add</i>	601.08	
			<i>For Type 316 Stainless Steel Frame, Add</i>	700.05	
			<i>For Baked Enamel Finish, Add</i>	120.69	
			<i>For 18 Gauge Frame, Deduct</i>	-32.99	
			<i>For 14 Gauge Frame, Add</i>	82.48	
			<i>For 12 Gauge Frame, Add</i>	125.37	
08 12 13	13-0152	EA	2'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	551.98	79.61
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	58.91	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	47.13	
			<i>For Type 304 Stainless Steel Frame, Add</i>	714.91	
			<i>For Type 316 Stainless Steel Frame, Add</i>	832.74	
			<i>For Baked Enamel Finish, Add</i>	141.71	
			<i>For 18 Gauge Frame, Deduct</i>	-39.28	
			<i>For 14 Gauge Frame, Add</i>	98.19	
			<i>For 12 Gauge Frame, Add</i>	149.25	
08 12 13	13-0153	EA	2'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	567.91	84.44
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	59.86	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	47.88	
			<i>For Type 304 Stainless Steel Frame, Add</i>	726.72	
			<i>For Type 316 Stainless Steel Frame, Add</i>	846.43	
			<i>For Baked Enamel Finish, Add</i>	145.04	
			<i>For 18 Gauge Frame, Deduct</i>	-39.90	
			<i>For 14 Gauge Frame, Add</i>	99.76	
			<i>For 12 Gauge Frame, Add</i>	151.64	
08 12 13	13-0154	EA	2'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	582.39	91.68
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	59.86	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	47.88	
			<i>For Type 304 Stainless Steel Frame, Add</i>	727.44	
			<i>For Type 316 Stainless Steel Frame, Add</i>	847.15	
			<i>For Baked Enamel Finish, Add</i>	147.21	
			<i>For 18 Gauge Frame, Deduct</i>	-39.90	
			<i>For 14 Gauge Frame, Add</i>	99.76	
			<i>For 12 Gauge Frame, Add</i>	151.64	



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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13	13-0155	EA	2'-10" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	593.50	94.09
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	60.80	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	48.64	
			<i>For Type 304 Stainless Steel Frame, Add</i>	738.99	
			<i>For Type 316 Stainless Steel Frame, Add</i>	860.58	
			<i>For Baked Enamel Finish, Add</i>	149.82	
			<i>For 18 Gauge Frame, Deduct</i>	-40.53	
			<i>For 14 Gauge Frame, Add</i>	101.33	
			<i>For 12 Gauge Frame, Add</i>	154.02	
08 12 13	13-0156	EA	3' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	604.61	96.50
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	61.74	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	49.39	
			<i>For Type 304 Stainless Steel Frame, Add</i>	750.55	
			<i>For Type 316 Stainless Steel Frame, Add</i>	874.03	
			<i>For Baked Enamel Finish, Add</i>	152.43	
			<i>For 18 Gauge Frame, Deduct</i>	-41.16	
			<i>For 14 Gauge Frame, Add</i>	102.90	
			<i>For 12 Gauge Frame, Add</i>	156.41	
08 12 13	13-0157	EA	3'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	642.54	101.33
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	65.98	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	52.79	
			<i>For Type 304 Stainless Steel Frame, Add</i>	801.93	
			<i>For Type 316 Stainless Steel Frame, Add</i>	933.90	
			<i>For Baked Enamel Finish, Add</i>	162.36	
			<i>For 18 Gauge Frame, Deduct</i>	-43.99	
			<i>For 14 Gauge Frame, Add</i>	109.97	
			<i>For 12 Gauge Frame, Add</i>	167.16	
08 12 13	13-0158	EA	3'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	652.19	106.16
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	65.98	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	52.79	
			<i>For Type 304 Stainless Steel Frame, Add</i>	802.42	
			<i>For Type 316 Stainless Steel Frame, Add</i>	934.38	
			<i>For Baked Enamel Finish, Add</i>	163.81	
			<i>For 18 Gauge Frame, Deduct</i>	-43.99	
			<i>For 14 Gauge Frame, Add</i>	109.97	
			<i>For 12 Gauge Frame, Add</i>	167.16	
08 12 13	13-0159	EA	4' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	677.55	110.97
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	68.34	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	54.67	
			<i>For Type 304 Stainless Steel Frame, Add</i>	831.18	
			<i>For Type 316 Stainless Steel Frame, Add</i>	967.86	
			<i>For Baked Enamel Finish, Add</i>	169.97	
			<i>For 18 Gauge Frame, Deduct</i>	-45.56	
			<i>For 14 Gauge Frame, Add</i>	113.90	
			<i>For 12 Gauge Frame, Add</i>	173.13	
08 12 13	13-0160	EA	5' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	702.91	115.80
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	70.70	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	56.56	
			<i>For Type 304 Stainless Steel Frame, Add</i>	859.94	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,001.33	
			<i>For Baked Enamel Finish, Add</i>	176.13	
			<i>For 18 Gauge Frame, Deduct</i>	-47.13	
			<i>For 14 Gauge Frame, Add</i>	117.83	
			<i>For 12 Gauge Frame, Add</i>	179.10	
08 12 13	13-0161	EA	5'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	712.56	120.63
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	70.70	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	56.56	
			<i>For Type 304 Stainless Steel Frame, Add</i>	860.42	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,001.81	
			<i>For Baked Enamel Finish, Add</i>	177.58	
			<i>For 18 Gauge Frame, Deduct</i>	-47.13	
			<i>For 14 Gauge Frame, Add</i>	117.83	
			<i>For 12 Gauge Frame, Add</i>	179.10	
08 12 13	13-0162	EA	5'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	725.24	123.04
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	71.87	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	57.50	
			<i>For Type 304 Stainless Steel Frame, Add</i>	874.79	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,018.54	
			<i>For Baked Enamel Finish, Add</i>	180.66	
			<i>For 18 Gauge Frame, Deduct</i>	-47.92	
			<i>For 14 Gauge Frame, Add</i>	119.79	
			<i>For 12 Gauge Frame, Add</i>	182.08	

08 Openings

08 10 Doors And Frames

08 12 Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13	13-0163	EA	6' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	737.92	125.45
			For Auxiliary Frame Reinforcement For Hinges, Add	73.05	
			For Welded Frames, Add	59.50	
			For Galvanized Frames, Add	58.44	
			For Type 304 Stainless Steel Frame, Add	889.18	
			For Type 316 Stainless Steel Frame, Add	1,035.29	
			For Baked Enamel Finish, Add	183.74	
			For 18 Gauge Frame, Deduct	-48.70	
			For 14 Gauge Frame, Add	121.76	
			For 12 Gauge Frame, Add	185.07	
08 12 13	13-0164	EA	7' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	774.16	127.87
			For Auxiliary Frame Reinforcement For Hinges, Add	77.76	
			For Welded Frames, Add	59.50	
			For Galvanized Frames, Add	62.21	
			For Type 304 Stainless Steel Frame, Add	945.96	
			For Type 316 Stainless Steel Frame, Add	1,101.49	
			For Baked Enamel Finish, Add	193.89	
			For 18 Gauge Frame, Deduct	-51.84	
			For 14 Gauge Frame, Add	129.61	
			For 12 Gauge Frame, Add	197.00	
08 12 13	13-0165	EA	8' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	810.41	130.28
			For Auxiliary Frame Reinforcement For Hinges, Add	82.48	
			For Welded Frames, Add	59.50	
			For Galvanized Frames, Add	65.98	
			For Type 304 Stainless Steel Frame, Add	1,002.78	
			For Type 316 Stainless Steel Frame, Add	1,167.73	
			For Baked Enamel Finish, Add	204.04	
			For 18 Gauge Frame, Deduct	-54.99	
			For 14 Gauge Frame, Add	137.47	
			For 12 Gauge Frame, Add	208.95	
08 12 13	13-0166		Sidelights And Transoms (08 12 13 13) Note: For non-rated or fire rated frame assemblies		
08 12 13	13-0167		Fixed Steel Transoms (08 12 13 13-0166) Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.		
08 12 13	13-0168	SF	4-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom	53.72	13.51
			For Movable Frame, Add	10.74	
			For 18 Gauge Frame, Deduct	-2.67	
			For 14 Gauge Frame, Add	6.68	
			For 12 Gauge Frame, Add	10.15	
08 12 13	13-0169	SF	5-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom	56.00	14.00
			For Movable Frame, Add	11.20	
			For 18 Gauge Frame, Deduct	-2.80	
			For 14 Gauge Frame, Add	7.01	
			For 12 Gauge Frame, Add	10.65	
08 12 13	13-0170	SF	6-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom	58.38	14.48
			For Movable Frame, Add	11.68	
			For 18 Gauge Frame, Deduct	-2.94	
			For 14 Gauge Frame, Add	7.36	
			For 12 Gauge Frame, Add	11.18	
08 12 13	13-0171		Operable Steel Transom Sash (08 12 13 13-0166) Note: Includes hardware.		
08 12 13	13-0172	SF	4-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash	71.76	13.51
			For 18 Gauge Frame, Deduct	-4.47	
			For 14 Gauge Frame, Add	11.19	
			For 12 Gauge Frame, Add	17.00	
08 12 13	13-0173	SF	5-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash	74.96	14.00
			For 18 Gauge Frame, Deduct	-4.70	
			For 14 Gauge Frame, Add	11.75	
			For 12 Gauge Frame, Add	17.85	
08 12 13	13-0174	SF	6-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash	78.28	14.48
			For 18 Gauge Frame, Deduct	-4.93	
			For 14 Gauge Frame, Add	12.33	
			For 12 Gauge Frame, Add	18.75	
08 12 13	13-0175		Sidelights, Steel Frame (08 12 13 13-0166) Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.		
08 12 13	13-0176	SF	4-3/4" Deep Sidelights, 16 Gauge Frame	55.71	13.51
			For 18 Gauge Frame, Deduct	-2.87	
			For 14 Gauge Frame, Add	7.17	
			For 12 Gauge Frame, Add	10.90	
08 12 13	13-0177	SF	5-3/4" Deep Sidelights, 16 Gauge Frame	58.11	14.00
			For 18 Gauge Frame, Deduct	-3.01	
			For 14 Gauge Frame, Add	7.53	
			For 12 Gauge Frame, Add	11.45	
08 12 13	13-0178	SF	6-3/4" Deep Sidelights, 16 Gauge Frame	60.58	14.48
			For 18 Gauge Frame, Deduct	-3.16	
			For 14 Gauge Frame, Add	7.91	
			For 12 Gauge Frame, Add	12.02	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0179 Sundry Hollow Metal Frame Sections (08 12 13 13)		
Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0180 16 Gauge, Hollow Metal Frame Vertical Mullions (08 12 13 13-0179)		
08 12 13 13-0181 LF 4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion	30.49	5.40
For 18 Gauge Frame, Deduct	-1.69	
For 14 Gauge Frame, Add	4.22	
For 12 Gauge Frame, Add	6.42	
For 3 Hour Frame, Add	8.00	
For 1-1/2 Hour Frame, Add	5.00	
For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0182 LF 4-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion.....	31.17	5.40
For 18 Gauge Frame, Deduct	-1.76	
For 14 Gauge Frame, Add	4.39	
For 12 Gauge Frame, Add	6.68	
For 3 Hour Frame, Add	8.00	
For 1-1/2 Hour Frame, Add	5.00	
For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0183 LF 5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion	30.88	5.60
For 18 Gauge Frame, Deduct	-1.69	
For 14 Gauge Frame, Add	4.22	
For 12 Gauge Frame, Add	6.42	
For 3 Hour Frame, Add	8.00	
For 1-1/2 Hour Frame, Add	5.00	
For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0184 LF 5-1/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion.....	31.93	5.60
For 18 Gauge Frame, Deduct	-1.79	
For 14 Gauge Frame, Add	4.49	
For 12 Gauge Frame, Add	6.82	
For 3 Hour Frame, Add	8.00	
For 1-1/2 Hour Frame, Add	5.00	
For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0185 LF 6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion	32.03	5.69
For 18 Gauge Frame, Deduct	-1.77	
For 14 Gauge Frame, Add	4.43	
For 12 Gauge Frame, Add	6.74	
For 3 Hour Frame, Add	8.00	
For 1-1/2 Hour Frame, Add	5.00	
For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0186 LF 6-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion.....	32.44	5.69
For 18 Gauge Frame, Deduct	-1.81	
For 14 Gauge Frame, Add	4.54	
For 12 Gauge Frame, Add	6.89	
For 3 Hour Frame, Add	8.00	
For 1-1/2 Hour Frame, Add	5.00	
For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0187 16 Gauge, Hollow Metal Frame Horizontal Rails (08 12 13 13-0179)		
08 12 13 13-0188 LF 4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail	22.04	5.40
For 18 Gauge Frame, Deduct	-0.84	
For 14 Gauge Frame, Add	2.11	
For 12 Gauge Frame, Add	3.21	
For 3 Hour Frame, Add	8.00	
For 1-1/2 Hour Frame, Add	5.00	
For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0189 LF 4-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	22.91	5.40
For 18 Gauge Frame, Deduct	-0.93	
For 14 Gauge Frame, Add	2.33	
For 12 Gauge Frame, Add	3.54	
For 3 Hour Frame, Add	8.00	
For 1-1/2 Hour Frame, Add	5.00	
For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0190 LF 5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail	22.43	5.60
For 18 Gauge Frame, Deduct	-0.84	
For 14 Gauge Frame, Add	2.11	
For 12 Gauge Frame, Add	3.21	
For 3 Hour Frame, Add	8.00	
For 1-1/2 Hour Frame, Add	5.00	
For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0191 LF 5-1/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	23.30	5.60
For 18 Gauge Frame, Deduct	-0.93	
For 14 Gauge Frame, Add	2.33	
For 12 Gauge Frame, Add	3.54	
For 3 Hour Frame, Add	8.00	
For 1-1/2 Hour Frame, Add	5.00	
For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0192 LF 6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail	23.17	5.69
For 18 Gauge Frame, Deduct	-0.89	
For 14 Gauge Frame, Add	2.22	
For 12 Gauge Frame, Add	3.37	
For 3 Hour Frame, Add	8.00	
For 1-1/2 Hour Frame, Add	5.00	
For 3/4 Hour Frame, Add	4.00	

08	08 Openings
	08 10 Doors And Frames
	08 12 Metal Frames



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0193 LF 6-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	23.92	5.69
For 18 Gauge Frame, Deduct	-0.96	
For 14 Gauge Frame, Add	2.41	
For 12 Gauge Frame, Add	3.66	
For 3 Hour Frame, Add	8.00	
For 1-1/2 Hour Frame, Add	5.00	
For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0194 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullions <small>(08 12 13 13-0179)</small>		
08 12 13 13-0195 EA 4-3/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	764.79	37.83
For 18 Gauge Frame, Deduct	-67.02	
For 14 Gauge Frame, Add	167.56	
For 12 Gauge Frame, Add	254.68	
08 12 13 13-0196 EA 4-3/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion.....	791.52	37.83
For 18 Gauge Frame, Deduct	-69.70	
For 14 Gauge Frame, Add	174.24	
For 12 Gauge Frame, Add	264.84	
08 12 13 13-0197 EA 5-1/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	875.57	39.57
For 18 Gauge Frame, Deduct	-77.81	
For 14 Gauge Frame, Add	194.53	
For 12 Gauge Frame, Add	295.68	
For 3 Hour Frame, Add	56.00	
For 1-1/2 Hour Frame, Add	36.00	
For 3/4 Hour Frame, Add	28.00	
08 12 13 13-0198 EA 5-1/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion.....	899.44	39.57
For 18 Gauge Frame, Deduct	-80.20	
For 14 Gauge Frame, Add	200.49	
For 12 Gauge Frame, Add	304.75	
For 3 Hour Frame, Add	56.00	
For 1-1/2 Hour Frame, Add	36.00	
For 3/4 Hour Frame, Add	28.00	
08 12 13 13-0199 EA 6-3/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	1,015.96	40.53
For 18 Gauge Frame, Deduct	-91.46	
For 14 Gauge Frame, Add	228.66	
For 12 Gauge Frame, Add	347.56	
For 3 Hour Frame, Add	56.00	
For 1-1/2 Hour Frame, Add	36.00	
For 3/4 Hour Frame, Add	28.00	
08 12 13 13-0200 EA 6-3/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion.....	1,032.19	40.53
For 18 Gauge Frame, Deduct	-93.09	
For 14 Gauge Frame, Add	232.72	
For 12 Gauge Frame, Add	353.73	
For 3 Hour Frame, Add	56.00	
For 1-1/2 Hour Frame, Add	36.00	
For 3/4 Hour Frame, Add	28.00	

08 12 13 13-0201 Metal Frames Accessories (08 12 13 13)

08 12 13 13-0202 EA For 1' Extension Of New Door Frame	30.31
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08 12 16 Aluminum Frames (08 12)

08 12 16 00-0001 Two Piece Aluminum Door Frames (08 12 16)

08 12 16 00-0002 4-1/8" x 3/8" Two Piece Aluminum Door Frames (08 12 16 00-0001)

08 12 16 00-0003 EA Two Piece Aluminum Door Frame, 2'-2" x 6'-9" Opening 4-1/8" x 3/8" x 1/8" With Semicircular Head.....	1,579.88	53.07
08 12 16 00-0004 EA Two Piece Aluminum Door Frame, 2'-6" x 6'-9" Opening 4-1/8" x 3/8" x 1/8" With Semicircular Head.....	1,579.88	53.07

08 12 16 00-0005 4-3/4" x 1-3/8" Two Piece Aluminum Door Frames (08 12 16 00-0001)

08 12 16 00-0006 EA Two Piece Aluminum Door Frame, 2'-2" x 6'-9" Opening 4-3/4" x 1-3/8" x 1/8" With Semicircular Head.....	1,579.88	53.07
08 12 16 00-0007 EA Two Piece Aluminum Door Frame Piece Aluminum Door Frame, 2'-6" x 6'-9" Opening 4-3/4" x 1-3/8" x 1/8" With Semicircular Head	1,579.88	53.07

08 13 Metal Doors (08 10)

Note: Includes machining for all hardware. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 13 13 Hollow Metal Doors (08 13)

08 13 13 13 Standard Hollow Metal Doors (08 13 13)

Note: Full flush, impregnated honeycomb core, epoxy baked-on primer.

08 13 13 13-0001 20 Gauge, Unrated, Hollow Metal Doors <small>(08 13 13 13)</small>
08 13 13 13-0002 6'-8" High, 20 Gauge, Unrated, Hollow Metal Doors <small>(08 13 13 13-0001)</small>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0003 EA 2' x 6'-8" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	495.51	53.07
<i>For Type 304 Stainless Steel Door, Add</i>	316.79	
<i>For Type 316 Stainless Steel Door, Add</i>	511.46	
<i>For Embossed Panel, Add</i>	93.44	
<i>For Galvanized Steel, Add</i>	58.40	
<i>For Baked Enamel Finish, Add</i>	180.50	
<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
<i>For >50 To 100, Deduct</i>	-27.43	
<i>For >100, Deduct</i>	-39.82	
<i>For Insulated Door (Polystyrene Core), Add</i>	38.94	
<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	97.34	
<i>For Seamless Edge (Welded), Add</i>	48.67	
08 13 13 13-0004 EA 2'-4" x 6'-8" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	495.51	53.07
<i>For Type 304 Stainless Steel Door, Add</i>	316.79	
<i>For Type 316 Stainless Steel Door, Add</i>	511.46	
<i>For Embossed Panel, Add</i>	93.44	
<i>For Galvanized Steel, Add</i>	58.40	
<i>For Baked Enamel Finish, Add</i>	180.50	
<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
<i>For >50 To 100, Deduct</i>	-27.43	
<i>For >100, Deduct</i>	-39.82	
<i>For Insulated Door (Polystyrene Core), Add</i>	38.94	
<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	97.34	
<i>For Seamless Edge (Welded), Add</i>	48.67	
08 13 13 13-0005 EA 2'-6" x 6'-8" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	508.28	55.49
<i>For Type 304 Stainless Steel Door, Add</i>	323.40	
<i>For Type 316 Stainless Steel Door, Add</i>	522.05	
<i>For Embossed Panel, Add</i>	95.35	
<i>For Galvanized Steel, Add</i>	59.60	
<i>For Baked Enamel Finish, Add</i>	185.78	
<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
<i>For >50 To 100, Deduct</i>	-28.19	
<i>For >100, Deduct</i>	-40.90	
<i>For Insulated Door (Polystyrene Core), Add</i>	39.73	
<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	99.33	
<i>For Seamless Edge (Welded), Add</i>	49.66	
08 13 13 13-0006 EA 2'-8" x 6'-8" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	514.21	55.49
<i>For Type 304 Stainless Steel Door, Add</i>	328.14	
<i>For Type 316 Stainless Steel Door, Add</i>	529.76	
<i>For Embossed Panel, Add</i>	96.78	
<i>For Galvanized Steel, Add</i>	60.49	
<i>For Baked Enamel Finish, Add</i>	187.55	
<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
<i>For >50 To 100, Deduct</i>	-28.48	
<i>For >100, Deduct</i>	-41.34	
<i>For Insulated Door (Polystyrene Core), Add</i>	40.32	
<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	100.81	
<i>For Seamless Edge (Welded), Add</i>	50.41	
08 13 13 13-0007 EA 2'-10" x 6'-8" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	519.00	56.69
<i>For Type 304 Stainless Steel Door, Add</i>	330.16	
<i>For Type 316 Stainless Steel Door, Add</i>	532.96	
<i>For Embossed Panel, Add</i>	97.35	
<i>For Galvanized Steel, Add</i>	60.84	
<i>For Baked Enamel Finish, Add</i>	189.72	
<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
<i>For >50 To 100, Deduct</i>	-28.78	
<i>For >100, Deduct</i>	-41.76	
<i>For Insulated Door (Polystyrene Core), Add</i>	40.56	
<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	101.40	
<i>For Seamless Edge (Welded), Add</i>	50.70	

08 Openings
08 10 Doors And Frames
08 13 Metal Doors



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0008	EA 3' x 6'-8" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door For Type 304 Stainless Steel Door, Add For Type 316 Stainless Steel Door, Add For Embossed Panel, Add For Galvanized Steel, Add For Baked Enamel Finish, Add For 20 Minutes To 30 Minutes Rated Door And FM Label, Add For 45 Minutes Rated Door And FM Label, Add For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add For >50 To 100, Deduct For >100, Deduct For Insulated Door (Polystyrene Core), Add For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add For Seamless Edge (Welded), Add	523.78 332.17 536.16 97.92 61.20 191.87 27.63 41.40 55.27 93.38 131.50 -29.08 -42.18 40.80 102.00 51.00	57.90
08 13 13	13-0009	EA 3'-4" x 6'-8" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door For Type 304 Stainless Steel Door, Add For Type 316 Stainless Steel Door, Add For Embossed Panel, Add For Galvanized Steel, Add For Baked Enamel Finish, Add For 20 Minutes To 30 Minutes Rated Door And FM Label, Add For 45 Minutes Rated Door And FM Label, Add For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add For >50 To 100, Deduct For >100, Deduct For Insulated Door (Polystyrene Core), Add For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add For Seamless Edge (Welded), Add	554.62 356.85 576.26 105.32 65.82 201.13 27.63 41.40 55.27 93.38 131.50 -30.63 -44.49 43.88 109.71 54.85	57.90
08 13 13	13-0010	EA 3'-6" x 6'-8" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door For Type 304 Stainless Steel Door, Add For Type 316 Stainless Steel Door, Add For Embossed Panel, Add For Galvanized Steel, Add For Baked Enamel Finish, Add For 20 Minutes To 30 Minutes Rated Door And FM Label, Add For 45 Minutes Rated Door And FM Label, Add For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add For >50 To 100, Deduct For >100, Deduct For Insulated Door (Polystyrene Core), Add For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add For Seamless Edge (Welded), Add	571.31 366.58 591.92 108.16 67.60 207.58 27.63 41.40 55.27 93.38 131.50 -31.58 -45.86 45.07 112.67 56.34	60.31
08 13 13	13-0011	EA 4' x 6'-8" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door For Type 304 Stainless Steel Door, Add For Type 316 Stainless Steel Door, Add For Embossed Panel, Add For Galvanized Steel, Add For Baked Enamel Finish, Add For 20 Minutes To 30 Minutes Rated Door And FM Label, Add For 45 Minutes Rated Door And FM Label, Add For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add For >50 To 100, Deduct For >100, Deduct For Insulated Door (Polystyrene Core), Add For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add For Seamless Edge (Welded), Add	628.40 405.01 654.07 119.55 74.72 227.60 27.63 41.40 55.27 93.38 131.50 -34.68 -50.39 49.81 124.53 62.27	65.14
08 13 13	13-0012	7' High, 20 Gauge, Unrated, Hollow Metal Door (08 13 13-0001)		
08 13 13	13-0013	EA 2' x 7' x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door For Type 304 Stainless Steel Door, Add For Type 316 Stainless Steel Door, Add For Embossed Panel, Add For Galvanized Steel, Add For Baked Enamel Finish, Add For 20 Minutes To 30 Minutes Rated Door And FM Label, Add For 45 Minutes Rated Door And FM Label, Add For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add For >50 To 100, Deduct For >100, Deduct For Insulated Door (Polystyrene Core), Add For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add For Seamless Edge (Welded), Add	505.71 324.95 524.72 95.89 59.93 183.56 27.63 41.40 55.27 93.38 131.50 -27.94 -40.58 39.96 99.89 49.94	53.07



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0014	EA			2'-4" x 7' x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door <i>For Type 304 Stainless Steel Door, Add</i> <i>For Type 316 Stainless Steel Door, Add</i> <i>For Embossed Panel, Add</i> <i>For Galvanized Steel, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i> <i>For 45 Minutes Rated Door And FM Label, Add</i> <i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i> <i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i> <i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Insulated Door (Polystyrene Core), Add</i> <i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i> <i>For Seamless Edge (Welded), Add</i>	505.71 324.95 524.72 95.89 59.93 183.56 27.63 41.40 55.27 93.38 131.50 -27.94 -40.58 39.96 99.89 49.94	53.07
08 13 13 13-0015	EA			2'-6" x 7' x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door <i>For Type 304 Stainless Steel Door, Add</i> <i>For Type 316 Stainless Steel Door, Add</i> <i>For Embossed Panel, Add</i> <i>For Galvanized Steel, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i> <i>For 45 Minutes Rated Door And FM Label, Add</i> <i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i> <i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i> <i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Insulated Door (Polystyrene Core), Add</i> <i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i> <i>For Seamless Edge (Welded), Add</i>	518.69 331.72 535.58 97.85 61.16 188.90 27.63 41.40 55.27 93.38 131.50 -28.71 -41.68 40.77 101.93 50.97	55.49
08 13 13 13-0016	EA			2'-8" x 7' x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door <i>For Type 304 Stainless Steel Door, Add</i> <i>For Type 316 Stainless Steel Door, Add</i> <i>For Embossed Panel, Add</i> <i>For Galvanized Steel, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i> <i>For 45 Minutes Rated Door And FM Label, Add</i> <i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i> <i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i> <i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Insulated Door (Polystyrene Core), Add</i> <i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i> <i>For Seamless Edge (Welded), Add</i>	524.77 336.59 543.49 99.31 62.07 190.72 27.63 41.40 55.27 93.38 131.50 -29.01 -42.13 41.38 103.45 51.73	55.49
08 13 13 13-0017	EA			2'-10" x 7' x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door <i>For Type 304 Stainless Steel Door, Add</i> <i>For Type 316 Stainless Steel Door, Add</i> <i>For Embossed Panel, Add</i> <i>For Galvanized Steel, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i> <i>For 45 Minutes Rated Door And FM Label, Add</i> <i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i> <i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i> <i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Insulated Door (Polystyrene Core), Add</i> <i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i> <i>For Seamless Edge (Welded), Add</i>	529.63 338.66 546.78 99.90 62.44 192.91 27.63 41.40 55.27 93.38 131.50 -29.32 -42.56 41.62 104.06 52.03	56.69
08 13 13 13-0018	EA			3' x 7' x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door <i>For Type 304 Stainless Steel Door, Add</i> <i>For Type 316 Stainless Steel Door, Add</i> <i>For Embossed Panel, Add</i> <i>For Galvanized Steel, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i> <i>For 45 Minutes Rated Door And FM Label, Add</i> <i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i> <i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i> <i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Insulated Door (Polystyrene Core), Add</i> <i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i> <i>For Seamless Edge (Welded), Add</i>	534.47 340.73 550.06 100.48 62.80 195.08 27.63 41.40 55.27 93.38 131.50 -29.62 -42.98 41.87 104.67 52.33	57.90

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0019	EA	3'-4" x 7' x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door For Type 304 Stainless Steel Door, Add For Type 316 Stainless Steel Door, Add For Embossed Panel, Add For Galvanized Steel, Add For Baked Enamel Finish, Add For 20 Minutes To 30 Minutes Rated Door And FM Label, Add For 45 Minutes Rated Door And FM Label, Add For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add For >50 To 100, Deduct For >100, Deduct For Insulated Door (Polystyrene Core), Add For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add For Seamless Edge (Welded), Add	566.12	57.90
08 13 13	13-0020	EA	3'-6" x 7' x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door For Type 304 Stainless Steel Door, Add For Type 316 Stainless Steel Door, Add For Embossed Panel, Add For Galvanized Steel, Add For Baked Enamel Finish, Add For 20 Minutes To 30 Minutes Rated Door And FM Label, Add For 45 Minutes Rated Door And FM Label, Add For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add For >50 To 100, Deduct For >100, Deduct For Insulated Door (Polystyrene Core), Add For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add For Seamless Edge (Welded), Add	583.12	60.31
08 13 13	13-0021	EA	4' x 7' x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door For Type 304 Stainless Steel Door, Add For Type 316 Stainless Steel Door, Add For Embossed Panel, Add For Galvanized Steel, Add For Baked Enamel Finish, Add For 20 Minutes To 30 Minutes Rated Door And FM Label, Add For 45 Minutes Rated Door And FM Label, Add For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add For >50 To 100, Deduct For >100, Deduct For Insulated Door (Polystyrene Core), Add For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add For Seamless Edge (Welded), Add	641.45	65.14
08 13 13	13-0022		7'-2" High, 20 Gauge, Unrated, Hollow Metal Doors (08 13 13 13-0001)		
08 13 13	13-0023	EA	2' x 7'-2" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door For Type 304 Stainless Steel Door, Add For Type 316 Stainless Steel Door, Add For Embossed Panel, Add For Galvanized Steel, Add For Baked Enamel Finish, Add For 20 Minutes To 30 Minutes Rated Door And FM Label, Add For 45 Minutes Rated Door And FM Label, Add For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add For >50 To 100, Deduct For >100, Deduct For Insulated Door (Polystyrene Core), Add For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add For Seamless Edge (Welded), Add	515.62	53.07
08 13 13	13-0024	EA	2'-4" x 7'-2" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door For Type 304 Stainless Steel Door, Add For Type 316 Stainless Steel Door, Add For Embossed Panel, Add For Galvanized Steel, Add For Baked Enamel Finish, Add For 20 Minutes To 30 Minutes Rated Door And FM Label, Add For 45 Minutes Rated Door And FM Label, Add For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add For >50 To 100, Deduct For >100, Deduct For Insulated Door (Polystyrene Core), Add For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add For Seamless Edge (Welded), Add	515.62	53.07



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST
08 13 13 13-0025 EA 2'-6" x 7'-2" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	528.80	55.49
For Type 304 Stainless Steel Door, Add	339.81	
For Type 316 Stainless Steel Door, Add	548.73	
For Embossed Panel, Add	100.28	
For Galvanized Steel, Add	62.67	
For Baked Enamel Finish, Add	191.93	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-29.21	
For >100, Deduct	-42.43	
For Insulated Door (Polystyrene Core), Add	41.78	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	104.46	
For Seamless Edge (Welded), Add	52.23	
08 13 13 13-0026 EA 2'-8" x 7'-2" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	535.04	55.49
For Type 304 Stainless Steel Door, Add	344.80	
For Type 316 Stainless Steel Door, Add	556.84	
For Embossed Panel, Add	101.78	
For Galvanized Steel, Add	63.61	
For Baked Enamel Finish, Add	193.00	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-29.53	
For >100, Deduct	-42.90	
For Insulated Door (Polystyrene Core), Add	42.41	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	106.02	
For Seamless Edge (Welded), Add	53.01	
08 13 13 13-0027 EA 2'-10" x 7'-2" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	539.95	56.69
For Type 304 Stainless Steel Door, Add	346.92	
For Type 316 Stainless Steel Door, Add	560.20	
For Embossed Panel, Add	102.37	
For Galvanized Steel, Add	63.98	
For Baked Enamel Finish, Add	196.00	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-29.83	
For >100, Deduct	-43.33	
For Insulated Door (Polystyrene Core), Add	42.66	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	106.64	
For Seamless Edge (Welded), Add	53.32	
08 13 13 13-0028 EA 3' x 7'-2" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	544.86	57.90
For Type 304 Stainless Steel Door, Add	349.04	
For Type 316 Stainless Steel Door, Add	563.57	
For Embossed Panel, Add	102.97	
For Galvanized Steel, Add	64.36	
For Baked Enamel Finish, Add	198.20	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-30.14	
For >100, Deduct	-43.76	
For Insulated Door (Polystyrene Core), Add	42.91	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	107.27	
For Seamless Edge (Welded), Add	53.63	
08 13 13 13-0029 EA 3'-4" x 7'-2" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	577.28	57.90
For Type 304 Stainless Steel Door, Add	374.97	
For Type 316 Stainless Steel Door, Add	605.71	
For Embossed Panel, Add	110.76	
For Galvanized Steel, Add	69.22	
For Baked Enamel Finish, Add	207.92	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-31.76	
For >100, Deduct	-46.19	
For Insulated Door (Polystyrene Core), Add	46.15	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	115.37	
For Seamless Edge (Welded), Add	57.69	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0030	EA		3'-6" x 7'-2" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	594.59	60.31
			For Type 304 Stainless Steel Door, Add	385.20	
			For Type 316 Stainless Steel Door, Add	622.18	
			For Embossed Panel, Add	113.75	
			For Galvanized Steel, Add	71.09	
			For Baked Enamel Finish, Add	214.57	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-32.75	
			For >100, Deduct	-47.61	
			For Insulated Door (Polystyrene Core), Add	47.40	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	118.49	
			For Seamless Edge (Welded), Add	59.25	
08 13 13 13-0031	EA		4' x 7'-2" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	654.13	65.14
			For Type 304 Stainless Steel Door, Add	425.59	
			For Type 316 Stainless Steel Door, Add	687.52	
			For Embossed Panel, Add	125.72	
			For Galvanized Steel, Add	78.58	
			For Baked Enamel Finish, Add	235.32	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-35.96	
			For >100, Deduct	-52.32	
			For Insulated Door (Polystyrene Core), Add	52.39	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	130.96	
			For Seamless Edge (Welded), Add	65.48	
08 13 13 13-0032			18 Gauge, Unrated, Hollow Metal Doors (08 13 13 13)		
08 13 13 13-0033			6'-8" High, 18 Gauge, Unrated, Hollow Metal Doors (08 13 13 13-0032)		
08 13 13 13-0034	EA		2' x 6'-8" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	527.01	53.07
			For 18 Gauge, Grade II, Heavy Duty, Add	84.17	
			For Type 304 Stainless Steel Door, Add	341.99	
			For Type 316 Stainless Steel Door, Add	552.41	
			For Embossed Panel, Add	101.00	
			For Galvanized Steel, Add	63.13	
			For Baked Enamel Finish, Add	189.95	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-29.00	
			For >100, Deduct	-42.18	
			For 2" Thick Door, Add	33.17	
			For Insulated Door (Polystyrene Core), Add	42.09	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	105.21	
			For Seamless Edge (Welded), Add	52.61	
			For Steel Stiffened, Add	105.21	
08 13 13 13-0035	EA		2'-4" x 6'-8" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	527.01	53.07
			For 18 Gauge, Grade II, Heavy Duty, Add	84.17	
			For Type 304 Stainless Steel Door, Add	341.99	
			For Type 316 Stainless Steel Door, Add	552.41	
			For Embossed Panel, Add	101.00	
			For Galvanized Steel, Add	63.13	
			For Baked Enamel Finish, Add	189.95	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-29.00	
			For >100, Deduct	-42.18	
			For 2" Thick Door, Add	33.17	
			For Insulated Door (Polystyrene Core), Add	42.09	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	105.21	
			For Seamless Edge (Welded), Add	52.61	
			For Steel Stiffened, Add	105.21	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0036	EA		2'-6" x 6'-8" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door.....	540.42	55.49
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	85.89	
			<i>For Type 304 Stainless Steel Door, Add</i>	349.11	
			<i>For Type 316 Stainless Steel Door, Add</i>	563.83	
			<i>For Embossed Panel, Add</i>	103.07	
			<i>For Galvanized Steel, Add</i>	64.42	
			<i>For Baked Enamel Finish, Add</i>	195.42	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-29.80	
			<i>For >100, Deduct</i>	-43.31	
			<i>For 2" Thick Door, Add</i>	33.91	
			<i>For Insulated Door (Polystyrene Core), Add</i>	42.95	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	107.36	
			<i>For Seamless Edge (Welded), Add</i>	53.68	
			<i>For Steel Stiffened, Add</i>	107.36	
08 13 13 13-0037	EA		2'-8" x 6'-8" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door.....	546.83	55.49
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	87.17	
			<i>For Type 304 Stainless Steel Door, Add</i>	354.24	
			<i>For Type 316 Stainless Steel Door, Add</i>	572.17	
			<i>For Embossed Panel, Add</i>	104.61	
			<i>For Galvanized Steel, Add</i>	65.38	
			<i>For Baked Enamel Finish, Add</i>	197.34	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-30.12	
			<i>For >100, Deduct</i>	-43.79	
			<i>For 2" Thick Door, Add</i>	34.37	
			<i>For Insulated Door (Polystyrene Core), Add</i>	43.59	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	108.97	
			<i>For Seamless Edge (Welded), Add</i>	54.48	
			<i>For Steel Stiffened, Add</i>	108.97	
08 13 13 13-0038	EA		2'-10" x 6'-8" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door.....	551.81	56.69
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	87.68	
			<i>For Type 304 Stainless Steel Door, Add</i>	356.41	
			<i>For Type 316 Stainless Steel Door, Add</i>	575.62	
			<i>For Embossed Panel, Add</i>	105.22	
			<i>For Galvanized Steel, Add</i>	65.76	
			<i>For Baked Enamel Finish, Add</i>	199.56	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-30.43	
			<i>For >100, Deduct</i>	-44.22	
			<i>For 2" Thick Door, Add</i>	34.62	
			<i>For Insulated Door (Polystyrene Core), Add</i>	43.84	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	109.61	
			<i>For Seamless Edge (Welded), Add</i>	54.80	
			<i>For Steel Stiffened, Add</i>	109.61	
08 13 13 13-0039	EA		3' x 6'-8" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door.....	556.79	57.90
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	88.20	
			<i>For Type 304 Stainless Steel Door, Add</i>	358.58	
			<i>For Type 316 Stainless Steel Door, Add</i>	579.08	
			<i>For Embossed Panel, Add</i>	105.84	
			<i>For Galvanized Steel, Add</i>	66.15	
			<i>For Baked Enamel Finish, Add</i>	201.78	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-30.73	
			<i>For >100, Deduct</i>	-44.65	
			<i>For 2" Thick Door, Add</i>	34.87	
			<i>For Insulated Door (Polystyrene Core), Add</i>	44.10	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	110.25	
			<i>For Seamless Edge (Welded), Add</i>	55.12	
			<i>For Steel Stiffened, Add</i>	110.25	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0040	EA		3'-4" x 6'-8" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	590.12	57.90
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	94.86	
			<i>For Type 304 Stainless Steel Door, Add</i>	385.25	
			<i>For Type 316 Stainless Steel Door, Add</i>	622.41	
			<i>For Embossed Panel, Add</i>	113.84	
			<i>For Galvanized Steel, Add</i>	71.15	
			<i>For Baked Enamel Finish, Add</i>	211.78	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-32.40	
			<i>For >100, Deduct</i>	-47.15	
			<i>For 2" Thick Door, Add</i>	37.28	
			<i>For Insulated Door (Polystyrene Core), Add</i>	47.43	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	118.58	
			<i>For Seamless Edge (Welded), Add</i>	59.29	
			<i>For Steel Stiffened, Add</i>	118.58	
08 13 13 13-0041	EA		3'-6" x 6'-8" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	607.77	60.31
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	97.43	
			<i>For Type 304 Stainless Steel Door, Add</i>	395.74	
			<i>For Type 316 Stainless Steel Door, Add</i>	639.31	
			<i>For Embossed Panel, Add</i>	116.91	
			<i>For Galvanized Steel, Add</i>	73.07	
			<i>For Baked Enamel Finish, Add</i>	218.52	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-33.40	
			<i>For >100, Deduct</i>	-48.60	
			<i>For 2" Thick Door, Add</i>	38.33	
			<i>For Insulated Door (Polystyrene Core), Add</i>	48.71	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	121.79	
			<i>For Seamless Edge (Welded), Add</i>	60.89	
			<i>For Steel Stiffened, Add</i>	121.79	
08 13 13 13-0042	EA		4' x 6'-8" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	668.70	65.14
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	107.68	
			<i>For Type 304 Stainless Steel Door, Add</i>	437.25	
			<i>For Type 316 Stainless Steel Door, Add</i>	706.46	
			<i>For Embossed Panel, Add</i>	129.22	
			<i>For Galvanized Steel, Add</i>	80.76	
			<i>For Baked Enamel Finish, Add</i>	239.69	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-36.69	
			<i>For >100, Deduct</i>	-53.41	
			<i>For 2" Thick Door, Add</i>	42.29	
			<i>For Insulated Door (Polystyrene Core), Add</i>	53.84	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	134.61	
			<i>For Seamless Edge (Welded), Add</i>	67.30	
			<i>For Steel Stiffened, Add</i>	134.61	
08 13 13 13-0043			7' High, 18 Gauge, Unrated, Hollow Metal Doors (08 13 13 13-0032)		
08 13 13 13-0044	EA		2' x 7' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door.....	536.99	53.07
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	86.17	
			<i>For Type 304 Stainless Steel Door, Add</i>	349.97	
			<i>For Type 316 Stainless Steel Door, Add</i>	565.39	
			<i>For Embossed Panel, Add</i>	103.40	
			<i>For Galvanized Steel, Add</i>	64.62	
			<i>For Baked Enamel Finish, Add</i>	192.95	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-29.50	
			<i>For >100, Deduct</i>	-42.93	
			<i>For 2" Thick Door, Add</i>	33.89	
			<i>For Insulated Door (Polystyrene Core), Add</i>	43.08	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	107.71	
			<i>For Seamless Edge (Welded), Add</i>	53.85	
			<i>For Steel Stiffened, Add</i>	107.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0045 EA 2'-4" x 7' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	536.99	53.07
For 18 Gauge, Grade II, Heavy Duty, Add	86.17	
For Type 304 Stainless Steel Door, Add	349.97	
For Type 316 Stainless Steel Door, Add	565.39	
For Embossed Panel, Add	103.40	
For Galvanized Steel, Add	64.62	
For Baked Enamel Finish, Add	192.95	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-29.50	
For >100, Deduct	-42.93	
For 2" Thick Door, Add	33.89	
For Insulated Door (Polystyrene Core), Add	43.08	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	107.71	
For Seamless Edge (Welded), Add	53.85	
For Steel Stiffened, Add	107.71	
08 13 13 13-0046 EA 2'-6" x 7' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	550.62	55.49
For 18 Gauge, Grade II, Heavy Duty, Add	87.93	
For Type 304 Stainless Steel Door, Add	357.27	
For Type 316 Stainless Steel Door, Add	577.09	
For Embossed Panel, Add	105.52	
For Galvanized Steel, Add	65.95	
For Baked Enamel Finish, Add	198.48	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-30.31	
For >100, Deduct	-44.07	
For 2" Thick Door, Add	34.65	
For Insulated Door (Polystyrene Core), Add	43.97	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	109.91	
For Seamless Edge (Welded), Add	54.96	
For Steel Stiffened, Add	109.91	
08 13 13 13-0047 EA 2'-8" x 7' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	557.18	55.49
For 18 Gauge, Grade II, Heavy Duty, Add	89.24	
For Type 304 Stainless Steel Door, Add	362.52	
For Type 316 Stainless Steel Door, Add	585.62	
For Embossed Panel, Add	107.09	
For Galvanized Steel, Add	66.93	
For Baked Enamel Finish, Add	200.45	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-30.63	
For >100, Deduct	-44.56	
For 2" Thick Door, Add	35.12	
For Insulated Door (Polystyrene Core), Add	44.62	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	111.55	
For Seamless Edge (Welded), Add	55.78	
For Steel Stiffened, Add	111.55	
08 13 13 13-0048 EA 2'-10" x 7' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	562.22	56.69
For 18 Gauge, Grade II, Heavy Duty, Add	89.77	
For Type 304 Stainless Steel Door, Add	364.73	
For Type 316 Stainless Steel Door, Add	589.15	
For Embossed Panel, Add	107.72	
For Galvanized Steel, Add	67.32	
For Baked Enamel Finish, Add	202.68	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-30.95	
For >100, Deduct	-45.00	
For 2" Thick Door, Add	35.37	
For Insulated Door (Polystyrene Core), Add	44.88	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	112.21	
For Seamless Edge (Welded), Add	56.10	
For Steel Stiffened, Add	112.21	

08 Openings
08 10 Doors And Frames
08 13 Metal Doors



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 13 13 13-0049	EA 3' x 7' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door.....	567.25	57.90
	<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	90.29	
	<i>For Type 304 Stainless Steel Door, Add</i>	366.95	
	<i>For Type 316 Stainless Steel Door, Add</i>	592.68	
	<i>For Embossed Panel, Add</i>	108.35	
	<i>For Galvanized Steel, Add</i>	67.72	
	<i>For Baked Enamel Finish, Add</i>	204.92	
	<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
	<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
	<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
	<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
	<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
	<i>For >50 To 100, Deduct</i>	-31.26	
	<i>For >100, Deduct</i>	-45.44	
	<i>For 2" Thick Door, Add</i>	35.63	
	<i>For Insulated Door (Polystyrene Core), Add</i>	45.15	
	<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	112.86	
	<i>For Seamless Edge (Welded), Add</i>	56.43	
	<i>For Steel Stiffened, Add</i>	112.86	
08 13 13 13-0050	EA 3'-4" x 7' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	601.38	57.90
	<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	97.12	
	<i>For Type 304 Stainless Steel Door, Add</i>	394.25	
	<i>For Type 316 Stainless Steel Door, Add</i>	637.04	
	<i>For Embossed Panel, Add</i>	116.54	
	<i>For Galvanized Steel, Add</i>	72.84	
	<i>For Baked Enamel Finish, Add</i>	215.15	
	<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
	<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
	<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
	<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
	<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
	<i>For >50 To 100, Deduct</i>	-32.96	
	<i>For >100, Deduct</i>	-48.00	
	<i>For 2" Thick Door, Add</i>	38.10	
	<i>For Insulated Door (Polystyrene Core), Add</i>	48.56	
	<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	121.40	
	<i>For Seamless Edge (Welded), Add</i>	60.70	
	<i>For Steel Stiffened, Add</i>	121.40	
08 13 13 13-0051	EA 3'-6" x 7' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	619.33	60.31
	<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	99.74	
	<i>For Type 304 Stainless Steel Door, Add</i>	404.99	
	<i>For Type 316 Stainless Steel Door, Add</i>	654.34	
	<i>For Embossed Panel, Add</i>	119.69	
	<i>For Galvanized Steel, Add</i>	74.81	
	<i>For Baked Enamel Finish, Add</i>	221.99	
	<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
	<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
	<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
	<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
	<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
	<i>For >50 To 100, Deduct</i>	-33.98	
	<i>For >100, Deduct</i>	-49.47	
	<i>For 2" Thick Door, Add</i>	39.17	
	<i>For Insulated Door (Polystyrene Core), Add</i>	49.87	
	<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	124.68	
	<i>For Seamless Edge (Welded), Add</i>	62.34	
	<i>For Steel Stiffened, Add</i>	124.68	
08 13 13 13-0052	EA 4' x 7' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door.....	681.48	65.14
	<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	110.24	
	<i>For Type 304 Stainless Steel Door, Add</i>	447.47	
	<i>For Type 316 Stainless Steel Door, Add</i>	723.07	
	<i>For Embossed Panel, Add</i>	132.29	
	<i>For Galvanized Steel, Add</i>	82.68	
	<i>For Baked Enamel Finish, Add</i>	243.53	
	<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
	<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
	<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
	<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
	<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
	<i>For >50 To 100, Deduct</i>	-37.33	
	<i>For >100, Deduct</i>	-54.37	
	<i>For 2" Thick Door, Add</i>	43.22	
	<i>For Insulated Door (Polystyrene Core), Add</i>	55.12	
	<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	137.80	
	<i>For Seamless Edge (Welded), Add</i>	68.90	
	<i>For Steel Stiffened, Add</i>	137.80	

08 13 13 13-0053 7'-2" High, 18 Gauge, Unrated, Hollow Metal Doors (08 13 13 13-0032)



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0054 EA 2' x 7'-2" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	546.98	53.07
For 18 Gauge, Grade II, Heavy Duty, Add	88.16	
For Type 304 Stainless Steel Door, Add	357.96	
For Type 316 Stainless Steel Door, Add	578.37	
For Embossed Panel, Add	105.80	
For Galvanized Steel, Add	66.12	
For Baked Enamel Finish, Add	195.94	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-30.00	
For >100, Deduct	-43.68	
For 2" Thick Door, Add	34.61	
For Insulated Door (Polystyrene Core), Add	44.08	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	110.21	
For Seamless Edge (Welded), Add	55.10	
For Steel Stiffened, Add	110.21	
08 13 13 13-0055 EA 2'-4" x 7'-2" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	546.98	53.07
For 18 Gauge, Grade II, Heavy Duty, Add	88.16	
For Type 304 Stainless Steel Door, Add	357.96	
For Type 316 Stainless Steel Door, Add	578.37	
For Embossed Panel, Add	105.80	
For Galvanized Steel, Add	66.12	
For Baked Enamel Finish, Add	195.94	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-30.00	
For >100, Deduct	-43.68	
For 2" Thick Door, Add	34.61	
For Insulated Door (Polystyrene Core), Add	44.08	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	110.21	
For Seamless Edge (Welded), Add	55.10	
For Steel Stiffened, Add	110.21	
08 13 13 13-0056 EA 2'-6" x 7'-2" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	560.81	55.49
For 18 Gauge, Grade II, Heavy Duty, Add	89.97	
For Type 304 Stainless Steel Door, Add	365.42	
For Type 316 Stainless Steel Door, Add	590.34	
For Embossed Panel, Add	107.96	
For Galvanized Steel, Add	67.48	
For Baked Enamel Finish, Add	201.53	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-30.81	
For >100, Deduct	-44.84	
For 2" Thick Door, Add	35.39	
For Insulated Door (Polystyrene Core), Add	44.98	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	112.46	
For Seamless Edge (Welded), Add	56.23	
For Steel Stiffened, Add	112.46	
08 13 13 13-0057 EA 2'-8" x 7'-2" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	567.52	55.49
For 18 Gauge, Grade II, Heavy Duty, Add	91.31	
For Type 304 Stainless Steel Door, Add	370.79	
For Type 316 Stainless Steel Door, Add	599.06	
For Embossed Panel, Add	109.57	
For Galvanized Steel, Add	68.48	
For Baked Enamel Finish, Add	203.55	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-31.15	
For >100, Deduct	-45.34	
For 2" Thick Door, Add	35.87	
For Insulated Door (Polystyrene Core), Add	45.66	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	114.14	
For Seamless Edge (Welded), Add	57.07	
For Steel Stiffened, Add	114.14	

08 Openings
08 10 Doors And Frames
08 13 Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0058	EA	3' x 7'-2" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door <i>For 18 Gauge, Grade II, Heavy Duty, Add</i> <i>For Type 304 Stainless Steel Door, Add</i> <i>For Type 316 Stainless Steel Door, Add</i> <i>For Embossed Panel, Add</i> <i>For Galvanized Steel, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i> <i>For 45 Minutes Rated Door And FM Label, Add</i> <i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i> <i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i> <i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 2" Thick Door, Add</i> <i>For Insulated Door (Polystyrene Core), Add</i> <i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i> <i>For Seamless Edge (Welded), Add</i> <i>For Steel Stiffened, Add</i>	577.72	57.90
08 13 13	13-0059	EA	3'-4" x 7'-2" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door <i>For 18 Gauge, Grade II, Heavy Duty, Add</i> <i>For Type 304 Stainless Steel Door, Add</i> <i>For Type 316 Stainless Steel Door, Add</i> <i>For Embossed Panel, Add</i> <i>For Galvanized Steel, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i> <i>For 45 Minutes Rated Door And FM Label, Add</i> <i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i> <i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i> <i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 2" Thick Door, Add</i> <i>For Insulated Door (Polystyrene Core), Add</i> <i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i> <i>For Seamless Edge (Welded), Add</i> <i>For Steel Stiffened, Add</i>	612.63	57.90
08 13 13	13-0060	EA	3'-6" x 7'-2" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door <i>For 18 Gauge, Grade II, Heavy Duty, Add</i> <i>For Type 304 Stainless Steel Door, Add</i> <i>For Type 316 Stainless Steel Door, Add</i> <i>For Embossed Panel, Add</i> <i>For Galvanized Steel, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i> <i>For 45 Minutes Rated Door And FM Label, Add</i> <i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i> <i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i> <i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 2" Thick Door, Add</i> <i>For Insulated Door (Polystyrene Core), Add</i> <i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i> <i>For Seamless Edge (Welded), Add</i> <i>For Steel Stiffened, Add</i>	630.89	60.31
08 13 13	13-0061	EA	4' x 7'-2" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door <i>For 18 Gauge, Grade II, Heavy Duty, Add</i> <i>For Type 304 Stainless Steel Door, Add</i> <i>For Type 316 Stainless Steel Door, Add</i> <i>For Embossed Panel, Add</i> <i>For Galvanized Steel, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i> <i>For 45 Minutes Rated Door And FM Label, Add</i> <i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i> <i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i> <i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 2" Thick Door, Add</i> <i>For Insulated Door (Polystyrene Core), Add</i> <i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i> <i>For Seamless Edge (Welded), Add</i> <i>For Steel Stiffened, Add</i>	694.25	65.14

08 13 13 13-0062 8' High, 18 Gauge, Unrated, Hollow Metal Doors (08 13 13 13-0032)



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0063 EA 2' x 8' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door.....	629.37	53.07
For 18 Gauge, Grade II, Heavy Duty, Add	104.64	
For Up To 1' Extra Height, Add	144.77	
For 1' To 1'-6" Extra Height, Add	276.20	
For Type 304 Stainless Steel Door, Add	423.88	
For Type 316 Stainless Steel Door, Add	685.48	
For Embossed Panel, Add	125.57	
For Galvanized Steel, Add	78.48	
For Baked Enamel Finish, Add	220.66	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-34.12	
For >100, Deduct	-49.86	
For 2" Thick Door, Add	40.59	
For Insulated Door (Polystyrene Core), Add	52.32	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	130.80	
For Seamless Edge (Welded), Add	65.40	
For Steel Stiffened, Add	130.80	
08 13 13 13-0064 EA 2'-4" x 8' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	629.37	53.07
For 18 Gauge, Grade II, Heavy Duty, Add	104.64	
For Up To 1' Extra Height, Add	144.77	
For 1' To 1'-6" Extra Height, Add	276.20	
For Type 304 Stainless Steel Door, Add	423.88	
For Type 316 Stainless Steel Door, Add	685.48	
For Embossed Panel, Add	125.57	
For Galvanized Steel, Add	78.48	
For Baked Enamel Finish, Add	220.66	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-34.12	
For >100, Deduct	-49.86	
For 2" Thick Door, Add	40.59	
For Insulated Door (Polystyrene Core), Add	52.32	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	130.80	
For Seamless Edge (Welded), Add	65.40	
For Steel Stiffened, Add	130.80	
08 13 13 13-0065 EA 2'-6" x 8' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	644.88	55.49
For 18 Gauge, Grade II, Heavy Duty, Add	106.78	
For Up To 1' Extra Height, Add	147.73	
For 1' To 1'-6" Extra Height, Add	281.85	
For Type 304 Stainless Steel Door, Add	432.68	
For Type 316 Stainless Steel Door, Add	699.63	
For Embossed Panel, Add	128.14	
For Galvanized Steel, Add	80.09	
For Baked Enamel Finish, Add	226.76	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-35.02	
For >100, Deduct	-51.14	
For 2" Thick Door, Add	41.48	
For Insulated Door (Polystyrene Core), Add	53.39	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	133.48	
For Seamless Edge (Welded), Add	66.74	
For Steel Stiffened, Add	133.48	
08 13 13 13-0066 EA 2'-8" x 8' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	652.85	55.49
For 18 Gauge, Grade II, Heavy Duty, Add	108.38	
For Up To 1' Extra Height, Add	149.94	
For 1' To 1'-6" Extra Height, Add	286.06	
For Type 304 Stainless Steel Door, Add	439.05	
For Type 316 Stainless Steel Door, Add	709.99	
For Embossed Panel, Add	130.05	
For Galvanized Steel, Add	81.28	
For Baked Enamel Finish, Add	229.15	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-35.42	
For >100, Deduct	-51.74	
For 2" Thick Door, Add	42.06	
For Insulated Door (Polystyrene Core), Add	54.19	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	135.47	
For Seamless Edge (Welded), Add	67.74	
For Steel Stiffened, Add	135.47	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0067	EA	2'-10" x 8' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	658.45	56.69
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	109.01	
			<i>For Up To 1' Extra Height, Add</i>	150.82	
			<i>For 1' To 1'-6" Extra Height, Add</i>	287.74	
			<i>For Type 304 Stainless Steel Door, Add</i>	441.72	
			<i>For Type 316 Stainless Steel Door, Add</i>	714.25	
			<i>For Embossed Panel, Add</i>	130.81	
			<i>For Galvanized Steel, Add</i>	81.76	
			<i>For Baked Enamel Finish, Add</i>	231.55	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-35.76	
			<i>For >100, Deduct</i>	-52.22	
			<i>For 2" Thick Door, Add</i>	42.35	
			<i>For Insulated Door (Polystyrene Core), Add</i>	54.51	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	136.27	
			<i>For Seamless Edge (Welded), Add</i>	68.13	
			<i>For Steel Stiffened, Add</i>	136.27	
08 13 13	13-0068	EA	3' x 8' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	664.05	57.90
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	109.65	
			<i>For Up To 1' Extra Height, Add</i>	151.70	
			<i>For 1' To 1'-6" Extra Height, Add</i>	289.42	
			<i>For Type 304 Stainless Steel Door, Add</i>	444.39	
			<i>For Type 316 Stainless Steel Door, Add</i>	718.52	
			<i>For Embossed Panel, Add</i>	131.58	
			<i>For Galvanized Steel, Add</i>	82.24	
			<i>For Baked Enamel Finish, Add</i>	233.96	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-36.10	
			<i>For >100, Deduct</i>	-52.70	
			<i>For 2" Thick Door, Add</i>	42.64	
			<i>For Insulated Door (Polystyrene Core), Add</i>	54.83	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	137.06	
			<i>For Seamless Edge (Welded), Add</i>	68.53	
			<i>For Steel Stiffened, Add</i>	137.06	
08 13 13	13-0069	EA	3'-4" x 8' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	705.49	57.90
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	117.94	
			<i>For Up To 1' Extra Height, Add</i>	163.17	
			<i>For 1' To 1'-6" Extra Height, Add</i>	311.30	
			<i>For Type 304 Stainless Steel Door, Add</i>	477.54	
			<i>For Type 316 Stainless Steel Door, Add</i>	772.39	
			<i>For Embossed Panel, Add</i>	141.53	
			<i>For Galvanized Steel, Add</i>	88.45	
			<i>For Baked Enamel Finish, Add</i>	246.39	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-38.17	
			<i>For >100, Deduct</i>	-55.81	
			<i>For 2" Thick Door, Add</i>	45.65	
			<i>For Insulated Door (Polystyrene Core), Add</i>	58.97	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	147.42	
			<i>For Seamless Edge (Welded), Add</i>	73.71	
			<i>For Steel Stiffened, Add</i>	147.42	
08 13 13	13-0070	EA	3'-6" x 8' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	726.26	60.31
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	121.13	
			<i>For Up To 1' Extra Height, Add</i>	167.58	
			<i>For 1' To 1'-6" Extra Height, Add</i>	319.71	
			<i>For Type 304 Stainless Steel Door, Add</i>	490.54	
			<i>For Type 316 Stainless Steel Door, Add</i>	793.35	
			<i>For Embossed Panel, Add</i>	145.35	
			<i>For Galvanized Steel, Add</i>	90.84	
			<i>For Baked Enamel Finish, Add</i>	254.07	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-39.33	
			<i>For >100, Deduct</i>	-57.49	
			<i>For 2" Thick Door, Add</i>	46.92	
			<i>For Insulated Door (Polystyrene Core), Add</i>	60.56	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	151.41	
			<i>For Seamless Edge (Welded), Add</i>	75.70	
			<i>For Steel Stiffened, Add</i>	151.41	



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0071 EA 4' x 8' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door.....	799.66	65.14
For 18 Gauge, Grade II, Heavy Duty, Add	133.88	
For Up To 1' Extra Height, Add	185.22	
For 1' To 1'-6" Extra Height, Add	353.37	
For Type 304 Stainless Steel Door, Add	542.02	
For Type 316 Stainless Steel Door, Add	876.71	
For Embossed Panel, Add	160.65	
For Galvanized Steel, Add	100.41	
For Baked Enamel Finish, Add	278.98	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-43.24	
For >100, Deduct	-63.23	
For 2" Thick Door, Add	51.79	
For Insulated Door (Polystyrene Core), Add	66.94	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	167.35	
For Seamless Edge (Welded), Add	83.67	
For Steel Stiffened, Add	167.35	
08 13 13 13-0072 16 Gauge, Unrated, Hollow Metal Doors (08 13 13 13)		
08 13 13 13-0073 6'-8" High, 16 Gauge, Unrated, Hollow Metal Doors (08 13 13 13-0072)		
08 13 13 13-0074 EA 2' x 6'-8" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	689.03	53.07
For 16 Gauge, Grade III, Extra Heavy Duty, Add	174.86	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	233.15	
For Type 304 Stainless Steel Door, Add	471.60	
For Type 316 Stainless Steel Door, Add	763.04	
For Embossed Panel, Add	139.89	
For Galvanized Steel, Add	87.43	
For Baked Enamel Finish, Add	238.56	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-37.11	
For >100, Deduct	-54.33	
For 2" Thick Door, Add	44.91	
For Insulated Door (Polystyrene Core), Add	58.29	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	145.72	
For Seamless Edge (Welded), Add	72.86	
For Steel Stiffened, Add	145.72	
08 13 13 13-0075 EA 2'-4" x 6'-8" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	689.03	53.07
For 16 Gauge, Grade III, Extra Heavy Duty, Add	174.86	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	233.15	
For Type 304 Stainless Steel Door, Add	471.60	
For Type 316 Stainless Steel Door, Add	763.04	
For Embossed Panel, Add	139.89	
For Galvanized Steel, Add	87.43	
For Baked Enamel Finish, Add	238.56	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-37.11	
For >100, Deduct	-54.33	
For 2" Thick Door, Add	44.91	
For Insulated Door (Polystyrene Core), Add	58.29	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	145.72	
For Seamless Edge (Welded), Add	72.86	
For Steel Stiffened, Add	145.72	
08 13 13 13-0076 EA 2'-6" x 6'-8" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	705.76	55.49
For 16 Gauge, Grade III, Extra Heavy Duty, Add	178.44	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	237.92	
For Type 304 Stainless Steel Door, Add	481.38	
For Type 316 Stainless Steel Door, Add	778.78	
For Embossed Panel, Add	142.75	
For Galvanized Steel, Add	89.22	
For Baked Enamel Finish, Add	245.02	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-38.06	
For >100, Deduct	-55.71	
For 2" Thick Door, Add	45.90	
For Insulated Door (Polystyrene Core), Add	59.48	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	148.70	
For Seamless Edge (Welded), Add	74.35	
For Steel Stiffened, Add	148.70	

08 Openings**08 10 Doors And Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

08 13 13 13-0077	EA 2'-8" x 6'-8" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	714.64	55.49
	For 16 Gauge, Grade III, Extra Heavy Duty, Add	181.10	
	For 14 Gauge, Grade III, Extra Heavy Duty, Add	241.47	
	For Type 304 Stainless Steel Door, Add	488.48	
	For Type 316 Stainless Steel Door, Add	790.32	
	For Embossed Panel, Add	144.88	
	For Galvanized Steel, Add	90.55	
	For Baked Enamel Finish, Add	247.68	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-38.51	
	For >100, Deduct	-56.37	
	For 2" Thick Door, Add	46.54	
	For Insulated Door (Polystyrene Core), Add	60.37	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	150.92	
	For Seamless Edge (Welded), Add	75.46	
	For Steel Stiffened, Add	150.92	
08 13 13 13-0078	EA 2'-10" x 6'-8" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	720.62	56.69
	For 16 Gauge, Grade III, Extra Heavy Duty, Add	182.17	
	For 14 Gauge, Grade III, Extra Heavy Duty, Add	242.89	
	For Type 304 Stainless Steel Door, Add	491.45	
	For Type 316 Stainless Steel Door, Add	795.07	
	For Embossed Panel, Add	145.74	
	For Galvanized Steel, Add	91.08	
	For Baked Enamel Finish, Add	250.20	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-38.87	
	For >100, Deduct	-56.88	
	For 2" Thick Door, Add	46.86	
	For Insulated Door (Polystyrene Core), Add	60.72	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	151.81	
	For Seamless Edge (Welded), Add	75.90	
	For Steel Stiffened, Add	151.81	
08 13 13 13-0079	EA 3' x 6'-8" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	726.57	57.90
	For 16 Gauge, Grade III, Extra Heavy Duty, Add	183.23	
	For 14 Gauge, Grade III, Extra Heavy Duty, Add	244.31	
	For Type 304 Stainless Steel Door, Add	494.41	
	For Type 316 Stainless Steel Door, Add	799.79	
	For Embossed Panel, Add	146.58	
	For Galvanized Steel, Add	91.62	
	For Baked Enamel Finish, Add	252.71	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-39.22	
	For >100, Deduct	-57.39	
	For 2" Thick Door, Add	47.18	
	For Insulated Door (Polystyrene Core), Add	61.08	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	152.69	
	For Seamless Edge (Welded), Add	76.35	
	For Steel Stiffened, Add	152.69	
08 13 13 13-0080	EA 3'-4" x 6'-8" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	772.74	57.90
	For 16 Gauge, Grade III, Extra Heavy Duty, Add	197.08	
	For 14 Gauge, Grade III, Extra Heavy Duty, Add	262.78	
	For Type 304 Stainless Steel Door, Add	531.34	
	For Type 316 Stainless Steel Door, Add	859.81	
	For Embossed Panel, Add	157.67	
	For Galvanized Steel, Add	98.54	
	For Baked Enamel Finish, Add	266.56	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-41.53	
	For >100, Deduct	-60.85	
	For 2" Thick Door, Add	50.52	
	For Insulated Door (Polystyrene Core), Add	65.69	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	164.24	
	For Seamless Edge (Welded), Add	82.12	
	For Steel Stiffened, Add	164.24	



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0081 EA 3'-6" x 6'-8" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door.....	795.32	60.31
For 16 Gauge, Grade III, Extra Heavy Duty, Add	202.41	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	269.88	
For Type 304 Stainless Steel Door, Add	545.78	
For Type 316 Stainless Steel Door, Add	883.13	
For Embossed Panel, Add	161.93	
For Galvanized Steel, Add	101.20	
For Baked Enamel Finish, Add	274.79	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-42.78	
For >100, Deduct	-62.66	
For 2" Thick Door, Add	51.93	
For Insulated Door (Polystyrene Core), Add	67.47	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	168.67	
For Seamless Edge (Welded), Add	84.34	
For Steel Stiffened, Add	168.67	
08 13 13 13-0082 EA 4' x 6'-8" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door.....	875.99	65.14
For 16 Gauge, Grade III, Extra Heavy Duty, Add	223.71	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	298.28	
For Type 304 Stainless Steel Door, Add	603.08	
For Type 316 Stainless Steel Door, Add	975.94	
For Embossed Panel, Add	178.97	
For Galvanized Steel, Add	111.86	
For Baked Enamel Finish, Add	301.88	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-47.06	
For >100, Deduct	-68.96	
For 2" Thick Door, Add	57.32	
For Insulated Door (Polystyrene Core), Add	74.57	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	186.43	
For Seamless Edge (Welded), Add	93.21	
For Steel Stiffened, Add	186.43	
08 13 13 13-0083 7' High, 16 Gauge, Unrated, Hollow Metal Doors (08 13 13 13-0072)		
08 13 13 13-0084 EA 2' x 7' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door.....	702.87	53.07
For 16 Gauge, Grade III, Extra Heavy Duty, Add	179.01	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	238.68	
For Type 304 Stainless Steel Door, Add	482.68	
For Type 316 Stainless Steel Door, Add	781.03	
For Embossed Panel, Add	143.21	
For Galvanized Steel, Add	89.51	
For Baked Enamel Finish, Add	242.71	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-37.80	
For >100, Deduct	-55.37	
For 2" Thick Door, Add	45.92	
For Insulated Door (Polystyrene Core), Add	59.67	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	149.18	
For Seamless Edge (Welded), Add	74.59	
For Steel Stiffened, Add	149.18	
08 13 13 13-0085 EA 2'-4" x 7' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door.....	702.87	53.07
For 16 Gauge, Grade III, Extra Heavy Duty, Add	179.01	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	238.68	
For Type 304 Stainless Steel Door, Add	482.68	
For Type 316 Stainless Steel Door, Add	781.03	
For Embossed Panel, Add	143.21	
For Galvanized Steel, Add	89.51	
For Baked Enamel Finish, Add	242.71	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-37.80	
For >100, Deduct	-55.37	
For 2" Thick Door, Add	45.92	
For Insulated Door (Polystyrene Core), Add	59.67	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	149.18	
For Seamless Edge (Welded), Add	74.59	
For Steel Stiffened, Add	149.18	

08 Openings
08 10 Doors And Frames
08 13 Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0086	EA	2'-6" x 7' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door <i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i> <i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i> <i>For Type 304 Stainless Steel Door, Add</i> <i>For Type 316 Stainless Steel Door, Add</i> <i>For Embossed Panel, Add</i> <i>For Galvanized Steel, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i> <i>For 45 Minutes Rated Door And FM Label, Add</i> <i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i> <i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i> <i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 2" Thick Door, Add</i> <i>For Insulated Door (Polystyrene Core), Add</i> <i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i> <i>For Seamless Edge (Welded), Add</i> <i>For Steel Stiffened, Add</i>	719.88 182.67 243.56 492.68 797.13 146.14 91.34 249.26 27.63 41.40 55.27 93.38 131.50 -38.77 -56.77 46.92 60.89 152.23 76.11 152.23	55.49
08 13 13	13-0087	EA	2'-8" x 7' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door <i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i> <i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i> <i>For Type 304 Stainless Steel Door, Add</i> <i>For Type 316 Stainless Steel Door, Add</i> <i>For Embossed Panel, Add</i> <i>For Galvanized Steel, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i> <i>For 45 Minutes Rated Door And FM Label, Add</i> <i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i> <i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i> <i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 2" Thick Door, Add</i> <i>For Insulated Door (Polystyrene Core), Add</i> <i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i> <i>For Seamless Edge (Welded), Add</i> <i>For Steel Stiffened, Add</i>	728.97 185.40 247.20 499.95 808.95 148.32 92.70 251.98 27.63 41.40 55.27 93.38 131.50 -39.22 -57.45 47.58 61.80 154.50 77.25 154.50	55.49
08 13 13	13-0088	EA	2'-10" x 7' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door <i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i> <i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i> <i>For Type 304 Stainless Steel Door, Add</i> <i>For Type 316 Stainless Steel Door, Add</i> <i>For Embossed Panel, Add</i> <i>For Galvanized Steel, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i> <i>For 45 Minutes Rated Door And FM Label, Add</i> <i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i> <i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i> <i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 2" Thick Door, Add</i> <i>For Insulated Door (Polystyrene Core), Add</i> <i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i> <i>For Seamless Edge (Welded), Add</i> <i>For Steel Stiffened, Add</i>	735.02 186.49 248.65 502.97 813.79 149.19 93.24 254.52 27.63 41.40 55.27 93.38 131.50 -39.59 -57.96 47.90 62.16 155.41 77.70 155.41	56.69
08 13 13	13-0089	EA	3' x 7' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door <i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i> <i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i> <i>For Type 304 Stainless Steel Door, Add</i> <i>For Type 316 Stainless Steel Door, Add</i> <i>For Embossed Panel, Add</i> <i>For Galvanized Steel, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i> <i>For 45 Minutes Rated Door And FM Label, Add</i> <i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i> <i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i> <i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 2" Thick Door, Add</i> <i>For Insulated Door (Polystyrene Core), Add</i> <i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i> <i>For Seamless Edge (Welded), Add</i> <i>For Steel Stiffened, Add</i>	741.06 187.58 250.10 506.00 818.63 150.06 93.79 257.06 27.63 41.40 55.27 93.38 131.50 -39.95 -58.47 48.23 62.53 156.32 78.16 156.32	57.90



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0090 EA 3'-4" x 7' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	788.32	57.90
For 16 Gauge, Grade III, Extra Heavy Duty, Add	201.76	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	269.01	
For Type 304 Stainless Steel Door, Add	543.81	
For Type 316 Stainless Steel Door, Add	880.07	
For Embossed Panel, Add	161.40	
For Galvanized Steel, Add	100.88	
For Baked Enamel Finish, Add	271.24	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-42.31	
For >100, Deduct	-62.02	
For 2" Thick Door, Add	51.65	
For Insulated Door (Polystyrene Core), Add	67.25	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	168.13	
For Seamless Edge (Welded), Add	84.07	
For Steel Stiffened, Add	168.13	
08 13 13 13-0091 EA 3'-6" x 7' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	811.33	60.31
For 16 Gauge, Grade III, Extra Heavy Duty, Add	207.21	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	276.28	
For Type 304 Stainless Steel Door, Add	558.59	
For Type 316 Stainless Steel Door, Add	903.94	
For Embossed Panel, Add	165.77	
For Galvanized Steel, Add	103.61	
For Baked Enamel Finish, Add	279.59	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-43.58	
For >100, Deduct	-63.87	
For 2" Thick Door, Add	53.09	
For Insulated Door (Polystyrene Core), Add	69.07	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	172.68	
For Seamless Edge (Welded), Add	86.34	
For Steel Stiffened, Add	172.68	
08 13 13 13-0092 EA 4' x 7' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	893.69	65.14
For 16 Gauge, Grade III, Extra Heavy Duty, Add	229.02	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	305.36	
For Type 304 Stainless Steel Door, Add	617.24	
For Type 316 Stainless Steel Door, Add	998.95	
For Embossed Panel, Add	183.22	
For Galvanized Steel, Add	114.51	
For Baked Enamel Finish, Add	307.19	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-47.94	
For >100, Deduct	-70.28	
For 2" Thick Door, Add	58.60	
For Insulated Door (Polystyrene Core), Add	76.34	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	190.85	
For Seamless Edge (Welded), Add	95.43	
For Steel Stiffened, Add	190.85	
08 13 13 13-0093 7'-2" High, 16 Gauge, Unrated, Hollow Metal Doors (08 13 13 13-0072)		
08 13 13 13-0094 EA 2' x 7'-2" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	716.70	53.07
For 16 Gauge, Grade III, Extra Heavy Duty, Add	183.16	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	244.22	
For Type 304 Stainless Steel Door, Add	493.74	
For Type 316 Stainless Steel Door, Add	799.01	
For Embossed Panel, Add	146.53	
For Galvanized Steel, Add	91.58	
For Baked Enamel Finish, Add	246.86	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-38.49	
For >100, Deduct	-56.41	
For 2" Thick Door, Add	46.92	
For Insulated Door (Polystyrene Core), Add	61.05	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	152.64	
For Seamless Edge (Welded), Add	76.32	
For Steel Stiffened, Add	152.64	

08 Openings
08 10 Doors And Frames
08 13 Metal Doors



MINOR TOTAL DIRECT DEMOLITION
 CSI UOM DESCRIPTION UNIT COST UNIT COST

08 13 13 13-0095	EA 2'-4" x 7'-2" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	716.70	53.07
	For 16 Gauge, Grade III, Extra Heavy Duty, Add	183.16	
	For 14 Gauge, Grade III, Extra Heavy Duty, Add	244.22	
	For Type 304 Stainless Steel Door, Add	493.74	
	For Type 316 Stainless Steel Door, Add	799.01	
	For Embossed Panel, Add	146.53	
	For Galvanized Steel, Add	91.58	
	For Baked Enamel Finish, Add	246.86	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-38.49	
	For >100, Deduct	-56.41	
	For 2" Thick Door, Add	46.92	
	For Insulated Door (Polystyrene Core), Add	61.05	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	152.64	
	For Seamless Edge (Welded), Add	76.32	
	For Steel Stiffened, Add	152.64	
08 13 13 13-0096	EA 2'-6" x 7'-2" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	734.00	55.49
	For 16 Gauge, Grade III, Extra Heavy Duty, Add	186.91	
	For 14 Gauge, Grade III, Extra Heavy Duty, Add	249.21	
	For Type 304 Stainless Steel Door, Add	503.97	
	For Type 316 Stainless Steel Door, Add	815.49	
	For Embossed Panel, Add	149.53	
	For Galvanized Steel, Add	93.45	
	For Baked Enamel Finish, Add	253.49	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-39.47	
	For >100, Deduct	-57.82	
	For 2" Thick Door, Add	47.94	
	For Insulated Door (Polystyrene Core), Add	62.30	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	155.76	
	For Seamless Edge (Welded), Add	77.88	
	For Steel Stiffened, Add	155.76	
08 13 13 13-0097	EA 2'-8" x 7'-2" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	743.29	55.49
	For 16 Gauge, Grade III, Extra Heavy Duty, Add	189.70	
	For 14 Gauge, Grade III, Extra Heavy Duty, Add	252.93	
	For Type 304 Stainless Steel Door, Add	511.40	
	For Type 316 Stainless Steel Door, Add	827.56	
	For Embossed Panel, Add	151.76	
	For Galvanized Steel, Add	94.85	
	For Baked Enamel Finish, Add	256.28	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-39.94	
	For >100, Deduct	-58.52	
	For 2" Thick Door, Add	48.62	
	For Insulated Door (Polystyrene Core), Add	63.23	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	158.08	
	For Seamless Edge (Welded), Add	79.04	
	For Steel Stiffened, Add	158.08	
08 13 13 13-0098	EA 2'-10" x 7'-2" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	749.44	56.69
	For 16 Gauge, Grade III, Extra Heavy Duty, Add	190.82	
	For 14 Gauge, Grade III, Extra Heavy Duty, Add	254.42	
	For Type 304 Stainless Steel Door, Add	514.51	
	For Type 316 Stainless Steel Door, Add	832.53	
	For Embossed Panel, Add	152.65	
	For Galvanized Steel, Add	95.41	
	For Baked Enamel Finish, Add	258.85	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-40.31	
	For >100, Deduct	-59.04	
	For 2" Thick Door, Add	48.95	
	For Insulated Door (Polystyrene Core), Add	63.61	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	159.01	
	For Seamless Edge (Welded), Add	79.51	
	For Steel Stiffened, Add	159.01	



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0099 EA 3' x 7'-2" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	755.56	57.90
For 16 Gauge, Grade III, Extra Heavy Duty, Add	191.93	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	255.90	
For Type 304 Stainless Steel Door, Add	517.60	
For Type 316 Stainless Steel Door, Add	837.48	
For Embossed Panel, Add	153.54	
For Galvanized Steel, Add	95.96	
For Baked Enamel Finish, Add	261.41	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-40.67	
For >100, Deduct	-59.56	
For 2" Thick Door, Add	49.28	
For Insulated Door (Polystyrene Core), Add	63.98	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	159.94	
For Seamless Edge (Welded), Add	79.97	
For Steel Stiffened, Add	159.94	
08 13 13 13-0100 EA 3'-4" x 7'-2" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	803.92	57.90
For 16 Gauge, Grade III, Extra Heavy Duty, Add	206.44	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	275.25	
For Type 304 Stainless Steel Door, Add	556.29	
For Type 316 Stainless Steel Door, Add	900.35	
For Embossed Panel, Add	165.15	
For Galvanized Steel, Add	103.22	
For Baked Enamel Finish, Add	275.92	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-43.09	
For >100, Deduct	-63.19	
For 2" Thick Door, Add	52.78	
For Insulated Door (Polystyrene Core), Add	68.81	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	172.03	
For Seamless Edge (Welded), Add	86.02	
For Steel Stiffened, Add	172.03	
08 13 13 13-0101 EA 3'-6" x 7'-2" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	827.34	60.31
For 16 Gauge, Grade III, Extra Heavy Duty, Add	212.01	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	282.68	
For Type 304 Stainless Steel Door, Add	571.40	
For Type 316 Stainless Steel Door, Add	924.75	
For Embossed Panel, Add	169.61	
For Galvanized Steel, Add	106.01	
For Baked Enamel Finish, Add	284.39	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-44.38	
For >100, Deduct	-65.07	
For 2" Thick Door, Add	54.25	
For Insulated Door (Polystyrene Core), Add	70.67	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	176.68	
For Seamless Edge (Welded), Add	88.34	
For Steel Stiffened, Add	176.68	
08 13 13 13-0102 EA 4' x 7'-2" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	911.38	65.14
For 16 Gauge, Grade III, Extra Heavy Duty, Add	234.33	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	312.44	
For Type 304 Stainless Steel Door, Add	631.39	
For Type 316 Stainless Steel Door, Add	1,021.94	
For Embossed Panel, Add	187.46	
For Galvanized Steel, Add	117.17	
For Baked Enamel Finish, Add	312.50	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-48.83	
For >100, Deduct	-71.61	
For 2" Thick Door, Add	59.89	
For Insulated Door (Polystyrene Core), Add	78.11	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	195.28	
For Seamless Edge (Welded), Add	97.64	
For Steel Stiffened, Add	195.28	

08 13 13 13-0103 8' High, 16 Gauge, Unrated, Hollow Metal Doors (08 13 13 13-0072)

08 Openings**08 10 Doors And Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

08 13 13 13-0104	EA 2' x 8' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door.....	830.80	53.07
	For 16 Gauge, Grade III, Extra Heavy Duty, Add	217.39	
	For 14 Gauge, Grade III, Extra Heavy Duty, Add	289.86	
	For Up To 1' Extra Height, Add	200.51	
	For Type 304 Stainless Steel Door, Add	585.02	
	For Type 316 Stainless Steel Door, Add	947.34	
	For Embossed Panel, Add	173.91	
	For Galvanized Steel, Add	108.70	
	For Baked Enamel Finish, Add	281.09	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-44.19	
	For >100, Deduct	-64.96	
	For 2" Thick Door, Add	55.19	
	For Insulated Door (Polystyrene Core), Add	72.46	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	181.16	
	For Seamless Edge (Welded), Add	90.58	
	For Steel Stiffened, Add	181.16	
08 13 13 13-0105	EA 2'-4" x 8' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	830.80	53.07
	For 16 Gauge, Grade III, Extra Heavy Duty, Add	217.39	
	For 14 Gauge, Grade III, Extra Heavy Duty, Add	289.86	
	For Up To 1' Extra Height, Add	200.51	
	For Type 304 Stainless Steel Door, Add	585.02	
	For Type 316 Stainless Steel Door, Add	947.34	
	For Embossed Panel, Add	173.91	
	For Galvanized Steel, Add	108.70	
	For Baked Enamel Finish, Add	281.09	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-44.19	
	For >100, Deduct	-64.96	
	For 2" Thick Door, Add	55.19	
	For Insulated Door (Polystyrene Core), Add	72.46	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	181.16	
	For Seamless Edge (Welded), Add	90.58	
	For Steel Stiffened, Add	181.16	
08 13 13 13-0106	EA 2'-6" x 8' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	850.44	55.49
	For 16 Gauge, Grade III, Extra Heavy Duty, Add	221.84	
	For 14 Gauge, Grade III, Extra Heavy Duty, Add	295.79	
	For Up To 1' Extra Height, Add	204.61	
	For Type 304 Stainless Steel Door, Add	597.12	
	For Type 316 Stainless Steel Door, Add	966.86	
	For Embossed Panel, Add	177.47	
	For Galvanized Steel, Add	110.92	
	For Baked Enamel Finish, Add	288.42	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-45.30	
	For >100, Deduct	-66.56	
	For 2" Thick Door, Add	56.39	
	For Insulated Door (Polystyrene Core), Add	73.95	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	184.87	
	For Seamless Edge (Welded), Add	92.43	
	For Steel Stiffened, Add	184.87	
08 13 13 13-0107	EA 2'-8" x 8' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	861.47	55.49
	For 16 Gauge, Grade III, Extra Heavy Duty, Add	225.15	
	For 14 Gauge, Grade III, Extra Heavy Duty, Add	300.20	
	For Up To 1' Extra Height, Add	207.66	
	For Type 304 Stainless Steel Door, Add	605.95	
	For Type 316 Stainless Steel Door, Add	981.20	
	For Embossed Panel, Add	180.12	
	For Galvanized Steel, Add	112.58	
	For Baked Enamel Finish, Add	291.73	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-45.85	
	For >100, Deduct	-67.38	
	For 2" Thick Door, Add	57.19	
	For Insulated Door (Polystyrene Core), Add	75.05	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	187.63	
	For Seamless Edge (Welded), Add	93.81	
	For Steel Stiffened, Add	187.63	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0108	EA			2'-10" x 8' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	868.30	56.69
				<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	226.47	
				<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	301.96	
				<i>For Up To 1' Extra Height, Add</i>	208.88	
				<i>For Type 304 Stainless Steel Door, Add</i>	609.60	
				<i>For Type 316 Stainless Steel Door, Add</i>	987.05	
				<i>For Embossed Panel, Add</i>	181.18	
				<i>For Galvanized Steel, Add</i>	113.24	
				<i>For Baked Enamel Finish, Add</i>	294.51	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-46.25	
				<i>For >100, Deduct</i>	-67.96	
				<i>For 2" Thick Door, Add</i>	57.57	
				<i>For Insulated Door (Polystyrene Core), Add</i>	75.49	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	188.73	
				<i>For Seamless Edge (Welded), Add</i>	94.36	
				<i>For Steel Stiffened, Add</i>	188.73	
08 13 13 13-0109	EA			3' x 8' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	875.13	57.90
				<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	227.80	
				<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	303.73	
				<i>For Up To 1' Extra Height, Add</i>	210.11	
				<i>For Type 304 Stainless Steel Door, Add</i>	613.25	
				<i>For Type 316 Stainless Steel Door, Add</i>	992.92	
				<i>For Embossed Panel, Add</i>	182.24	
				<i>For Galvanized Steel, Add</i>	113.90	
				<i>For Baked Enamel Finish, Add</i>	297.28	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-46.65	
				<i>For >100, Deduct</i>	-68.53	
				<i>For 2" Thick Door, Add</i>	57.95	
				<i>For Insulated Door (Polystyrene Core), Add</i>	75.93	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	189.83	
				<i>For Seamless Edge (Welded), Add</i>	94.92	
				<i>For Steel Stiffened, Add</i>	189.83	
08 13 13 13-0110	EA			3'-4" x 8' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	932.52	57.90
				<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	245.02	
				<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	326.69	
				<i>For Up To 1' Extra Height, Add</i>	225.99	
				<i>For Type 304 Stainless Steel Door, Add</i>	659.17	
				<i>For Type 316 Stainless Steel Door, Add</i>	1,067.53	
				<i>For Embossed Panel, Add</i>	196.01	
				<i>For Galvanized Steel, Add</i>	122.51	
				<i>For Baked Enamel Finish, Add</i>	314.50	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-49.52	
				<i>For >100, Deduct</i>	-72.83	
				<i>For 2" Thick Door, Add</i>	62.11	
				<i>For Insulated Door (Polystyrene Core), Add</i>	81.67	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	204.18	
				<i>For Seamless Edge (Welded), Add</i>	102.09	
				<i>For Steel Stiffened, Add</i>	204.18	
08 13 13 13-0111	EA			3'-6" x 8' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	959.43	60.31
				<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	251.64	
				<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	335.52	
				<i>For Up To 1' Extra Height, Add</i>	232.10	
				<i>For 1' To 1'-6" Extra Height, Add</i>	442.80	
				<i>For Type 304 Stainless Steel Door, Add</i>	677.07	
				<i>For Type 316 Stainless Steel Door, Add</i>	1,096.47	
				<i>For Embossed Panel, Add</i>	201.31	
				<i>For Galvanized Steel, Add</i>	125.82	
				<i>For Baked Enamel Finish, Add</i>	324.02	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-50.99	
				<i>For >100, Deduct</i>	-74.97	
				<i>For 2" Thick Door, Add</i>	63.83	
				<i>For Insulated Door (Polystyrene Core), Add</i>	83.88	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	209.70	
				<i>For Seamless Edge (Welded), Add</i>	104.85	
				<i>For Steel Stiffened, Add</i>	209.70	

08 Openings**08 10 Doors And Frames****08 13 Metal Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 13 13 13-0112	EA 4' x 8' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door.....	1,057.37	65.14
	For 16 Gauge, Grade III, Extra Heavy Duty, Add	278.13	
	For 14 Gauge, Grade III, Extra Heavy Duty, Add	370.84	
	For Up To 1' Extra Height, Add	256.53	
	For 1' To 1'-6" Extra Height, Add	489.41	
	For Type 304 Stainless Steel Door, Add	748.19	
	For Type 316 Stainless Steel Door, Add	1,211.73	
	For Embossed Panel, Add	222.50	
	For Galvanized Steel, Add	139.06	
	For Baked Enamel Finish, Add	356.30	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-56.13	
	For >100, Deduct	-82.56	
	For 2" Thick Door, Add	70.47	
	For Insulated Door (Polystyrene Core), Add	92.71	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	231.77	
	For Seamless Edge (Welded), Add	115.89	
	For Steel Stiffened, Add	231.77	
08 13 13 53	Custom Hollow Metal Doors (08 13 13)		
08 13 13 53-0001	Steel 18 Gauge 1-3/4" Unrated Door (08 13 13 53)		
08 13 13 53-0002	EA 2'-2" Or 2'-4" x 6'-9" x 1-3/4", 18 Gauge, Unrated, With Semicircular Head, Hollow Metal Door.....	1,533.08	120.63
	For 16 Gauge Door, Add	20.30	
08 13 13 53-0003	EA 2'-6" x 6'-9" x 1-3/4", 18 Gauge, Unrated, With Semicircular Head, Hollow Metal Door.....	1,607.44	144.75
	For 16 Gauge Door, Add	20.30	
08 13 73	Sliding Metal Doors (08 13)		
08 13 73 00-0001	Sliding Bypass Mirror Doors (08 13 73)		
	Note: Includes 3.0 mm thick, steel frameless safety backed mirrors with anti-jump rollers and guides.		
08 13 73 00-0002	EA 4' x 6' 8", Sliding Bypass Mirror Doors	325.66	72.38
08 13 73 00-0003	EA 5' x 6' 8", Sliding Bypass Mirror Doors	366.77	77.20
08 13 73 00-0004	EA 6' x 6' 8", Sliding Bypass Mirror Doors	407.88	82.02
08 13 73 00-0005	EA 8' x 6' 8", Sliding Bypass Mirror Doors	480.46	86.85
08 14	Wood Doors (08 10)		
	Note: Includes machining for all hardware, except mortised locks. Excludes frames, finish hardware (unless note states included). See CSI section 08 05 13 00-0031 for mortise preparation, 08 70 00 00-0000 for finish hardware.		
08 14 16	Flush Wood Doors (08 14)		
08 14 16 00-0001	1-3/8" Thick, Hollow Core (HC), Wood Doors (08 14 16)		
08 14 16 00-0002	Birch Faced Wood Door (08 14 16 00-0001)		
08 14 16 00-0003	EA 2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	224.65	53.07
	For >50 To 100, Deduct	-13.89	
	For >100, Deduct	-19.50	
08 14 16 00-0004	EA 2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	224.65	53.07
	For >50 To 100, Deduct	-13.89	
	For >100, Deduct	-19.50	
08 14 16 00-0005	EA 2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	237.86	55.49
	For >50 To 100, Deduct	-14.67	
	For >100, Deduct	-20.61	
08 14 16 00-0006	EA 2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	244.03	55.49
	For >50 To 100, Deduct	-14.98	
	For >100, Deduct	-21.08	
08 14 16 00-0007	EA 2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	245.48	55.49
	For >50 To 100, Deduct	-15.05	
	For >100, Deduct	-21.19	
08 14 16 00-0008	EA 3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	251.04	57.90
	For >50 To 100, Deduct	-15.45	
	For >100, Deduct	-21.72	
08 14 16 00-0009	EA 3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	264.25	57.90
	For >50 To 100, Deduct	-16.11	
	For >100, Deduct	-22.71	
08 14 16 00-0010	EA 3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	278.58	60.31
	For >50 To 100, Deduct	-16.94	
	For >100, Deduct	-23.91	
08 14 16 00-0011	EA 2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	231.56	53.07
	For >50 To 100, Deduct	-14.23	
	For >100, Deduct	-20.02	
08 14 16 00-0012	EA 2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	231.56	53.07
	For >50 To 100, Deduct	-14.23	
	For >100, Deduct	-20.02	
08 14 16 00-0013	EA 2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	245.25	55.49
	For >50 To 100, Deduct	-15.04	
	For >100, Deduct	-21.17	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0014	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	251.79 -15.36 -21.66	55.49
08 14 16 00-0015	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	253.32 -15.44 -21.77	55.49
08 14 16 00-0016	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	258.91 -15.84 -22.31	57.90
08 14 16 00-0017	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	272.88 -16.54 -23.36	57.90
08 14 16 00-0018	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	287.77 -17.40 -24.60	60.31
08 14 16 00-0019	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	256.00 -15.45 -21.85 31.47	53.07
08 14 16 00-0020	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	256.00 -15.45 -21.85 31.47	53.07
08 14 16 00-0021	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	271.44 -16.35 -23.13 33.70	55.49
08 14 16 00-0022	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	279.23 -16.74 -23.72 35.33	55.49
08 14 16 00-0023	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	281.07 -16.83 -23.85 35.72	55.49
08 14 16 00-0024	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	286.81 -17.24 -24.41 35.91	57.90
08 14 16 00-0025	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	303.51 -18.07 -25.66 39.42	57.90
08 14 16 00-0026	EA		3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	320.35 -19.03 -27.04 41.94	60.31
08 14 16 00-0027 Oak Faced Wood Door <small>(08 14 16 00-0001)</small>					
08 14 16 00-0028	EA		2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	252.72 -15.29 -21.61	53.07
08 14 16 00-0029	EA		2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	252.72 -15.29 -21.61	53.07
08 14 16 00-0030	EA		2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	267.92 -16.17 -22.87	55.49
08 14 16 00-0031	EA		2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	275.56 -16.55 -23.44	55.49
08 14 16 00-0032	EA		2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	276.91 -16.62 -23.54	55.49
08 14 16 00-0033	EA		3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	283.08 -17.05 -24.13	57.90
08 14 16 00-0034	EA		3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	299.40 -17.87 -25.35	57.90
08 14 16 00-0035	EA		3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	315.99 -18.82 -26.72	60.31
08 14 16 00-0036	EA		2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	261.24 -15.72 -22.25	53.07
08 14 16 00-0037	EA		2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	261.24 -15.72 -22.25	53.07
08 14 16 00-0038	EA		2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	277.05 -16.63 -23.55	55.49

08	Openings
08 10	Doors And Frames
08 14	Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0039	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door .....285.14	285.14	55.49
			<i>For >50 To 100, Deduct</i>	-17.03	
			<i>For >100, Deduct</i>	-24.16	
08 14 16 00-0040	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door .....286.56	286.56	55.49
			<i>For >50 To 100, Deduct</i>	-17.10	
			<i>For >100, Deduct</i>	-24.27	
08 14 16 00-0041	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door .....292.81	292.81	57.90
			<i>For >50 To 100, Deduct</i>	-17.54	
			<i>For >100, Deduct</i>	-24.86	
08 14 16 00-0042	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door .....310.08	310.08	57.90
			<i>For >50 To 100, Deduct</i>	-18.40	
			<i>For >100, Deduct</i>	-26.15	
08 14 16 00-0043	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door .....327.35	327.35	60.31
			<i>For >50 To 100, Deduct</i>	-19.38	
			<i>For >100, Deduct</i>	-27.57	
08 14 16 00-0044	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door .....291.50	291.50	53.07
			<i>For >50 To 100, Deduct</i>	-17.23	
			<i>For >100, Deduct</i>	-24.52	
			<i>For Up To 1' Extra Height, Add</i>	38.92	
08 14 16 00-0045	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door .....291.50	291.50	53.07
			<i>For >50 To 100, Deduct</i>	-17.23	
			<i>For >100, Deduct</i>	-24.52	
			<i>For Up To 1' Extra Height, Add</i>	38.92	
08 14 16 00-0046	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door .....309.44	309.44	55.49
			<i>For >50 To 100, Deduct</i>	-18.25	
			<i>For >100, Deduct</i>	-25.98	
			<i>For Up To 1' Extra Height, Add</i>	41.68	
08 14 16 00-0047	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door .....319.09	319.09	55.49
			<i>For >50 To 100, Deduct</i>	-18.73	
			<i>For >100, Deduct</i>	-26.71	
			<i>For Up To 1' Extra Height, Add</i>	43.71	
08 14 16 00-0048	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door .....320.80	320.80	55.49
			<i>For >50 To 100, Deduct</i>	-18.81	
			<i>For >100, Deduct</i>	-26.83	
			<i>For Up To 1' Extra Height, Add</i>	44.06	
08 14 16 00-0049	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door .....327.32	327.32	57.90
			<i>For >50 To 100, Deduct</i>	-19.26	
			<i>For >100, Deduct</i>	-27.44	
			<i>For Up To 1' Extra Height, Add</i>	44.42	
08 14 16 00-0050	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door .....347.97	347.97	57.90
			<i>For >50 To 100, Deduct</i>	-20.29	
			<i>For >100, Deduct</i>	-28.99	
			<i>For Up To 1' Extra Height, Add</i>	48.76	
08 14 16 00-0051	EA		3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door .....367.67	367.67	60.31
			<i>For >50 To 100, Deduct</i>	-21.40	
			<i>For >100, Deduct</i>	-30.59	
			<i>For Up To 1' Extra Height, Add</i>	51.88	
08 14 16 00-0052			Maple Faced Wood Door <small>(08 14 16 00-0001)</small>		
08 14 16 00-0053	EA		2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....282.04	282.04	53.07
			<i>For >50 To 100, Deduct</i>	-16.76	
			<i>For >100, Deduct</i>	-23.81	
08 14 16 00-0054	EA		2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....282.04	282.04	53.07
			<i>For >50 To 100, Deduct</i>	-16.76	
			<i>For >100, Deduct</i>	-23.81	
08 14 16 00-0055	EA		2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....299.30	299.30	55.49
			<i>For >50 To 100, Deduct</i>	-17.74	
			<i>For >100, Deduct</i>	-25.22	
08 14 16 00-0056	EA		2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....308.48	308.48	55.49
			<i>For >50 To 100, Deduct</i>	-18.20	
			<i>For >100, Deduct</i>	-25.91	
08 14 16 00-0057	EA		2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....310.10	310.10	55.49
			<i>For >50 To 100, Deduct</i>	-18.28	
			<i>For >100, Deduct</i>	-26.03	
08 14 16 00-0058	EA		3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....316.54	316.54	57.90
			<i>For >50 To 100, Deduct</i>	-18.72	
			<i>For >100, Deduct</i>	-26.64	
08 14 16 00-0059	EA		3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....336.12	336.12	57.90
			<i>For >50 To 100, Deduct</i>	-19.70	
			<i>For >100, Deduct</i>	-28.10	
08 14 16 00-0060	EA		3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....355.06	355.06	60.31
			<i>For >50 To 100, Deduct</i>	-20.77	
			<i>For >100, Deduct</i>	-29.65	
08 14 16 00-0061	EA		2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....292.26	292.26	53.07
			<i>For >50 To 100, Deduct</i>	-17.27	
			<i>For >100, Deduct</i>	-24.57	
08 14 16 00-0062	EA		2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....292.26	292.26	53.07
			<i>For >50 To 100, Deduct</i>	-17.27	
			<i>For >100, Deduct</i>	-24.57	
08 14 16 00-0063	EA		2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....310.27	310.27	55.49
			<i>For >50 To 100, Deduct</i>	-18.29	
			<i>For >100, Deduct</i>	-26.04	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0064	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	319.97	55.49
			<i>For >50 To 100, Deduct</i>	-18.77	
			<i>For >100, Deduct</i>	-26.77	
08 14 16 00-0065	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	321.68	55.49
			<i>For >50 To 100, Deduct</i>	-18.86	
			<i>For >100, Deduct</i>	-26.90	
08 14 16 00-0066	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	328.20	57.90
			<i>For >50 To 100, Deduct</i>	-19.31	
			<i>For >100, Deduct</i>	-27.51	
08 14 16 00-0067	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	348.93	57.90
			<i>For >50 To 100, Deduct</i>	-20.34	
			<i>For >100, Deduct</i>	-29.06	
08 14 16 00-0068	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	368.70	60.31
			<i>For >50 To 100, Deduct</i>	-21.45	
			<i>For >100, Deduct</i>	-30.67	
08 14 16 00-0069	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	328.56	53.07
			<i>For >50 To 100, Deduct</i>	-19.08	
			<i>For >100, Deduct</i>	-27.30	
			<i>For Up To 1' Extra Height, Add</i>	46.70	
08 14 16 00-0070	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	328.56	53.07
			<i>For >50 To 100, Deduct</i>	-19.08	
			<i>For >100, Deduct</i>	-27.30	
			<i>For Up To 1' Extra Height, Add</i>	46.70	
08 14 16 00-0071	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	349.12	55.49
			<i>For >50 To 100, Deduct</i>	-20.23	
			<i>For >100, Deduct</i>	-28.96	
			<i>For Up To 1' Extra Height, Add</i>	50.01	
08 14 16 00-0072	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	360.71	55.49
			<i>For >50 To 100, Deduct</i>	-20.81	
			<i>For >100, Deduct</i>	-29.83	
			<i>For Up To 1' Extra Height, Add</i>	52.45	
08 14 16 00-0073	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	362.76	55.49
			<i>For >50 To 100, Deduct</i>	-20.91	
			<i>For >100, Deduct</i>	-29.98	
			<i>For Up To 1' Extra Height, Add</i>	52.88	
08 14 16 00-0074	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	369.63	57.90
			<i>For >50 To 100, Deduct</i>	-21.38	
			<i>For >100, Deduct</i>	-30.62	
			<i>For Up To 1' Extra Height, Add</i>	53.30	
08 14 16 00-0075	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	394.42	57.90
			<i>For >50 To 100, Deduct</i>	-22.62	
			<i>For >100, Deduct</i>	-32.48	
			<i>For Up To 1' Extra Height, Add</i>	58.51	
08 14 16 00-0076	EA		3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	417.08	60.31
			<i>For >50 To 100, Deduct</i>	-23.87	
			<i>For >100, Deduct</i>	-34.30	
			<i>For Up To 1' Extra Height, Add</i>	62.25	
08 14 16 00-0077 Lauan Faced Wood Doors <small>(08 14 16 00-0001)</small>					
08 14 16 00-0078	EA		2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	194.76	53.07
			<i>For >50 To 100, Deduct</i>	-12.39	
			<i>For >100, Deduct</i>	-17.26	
08 14 16 00-0079	EA		2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	194.76	53.07
			<i>For >50 To 100, Deduct</i>	-12.39	
			<i>For >100, Deduct</i>	-17.26	
08 14 16 00-0080	EA		2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	205.57	55.49
			<i>For >50 To 100, Deduct</i>	-13.05	
			<i>For >100, Deduct</i>	-18.19	
08 14 16 00-0081	EA		2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	210.64	55.49
			<i>For >50 To 100, Deduct</i>	-13.31	
			<i>For >100, Deduct</i>	-18.57	
08 14 16 00-0082	EA		2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	212.43	55.49
			<i>For >50 To 100, Deduct</i>	-13.40	
			<i>For >100, Deduct</i>	-18.71	
08 14 16 00-0083	EA		3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	219.05	57.90
			<i>For >50 To 100, Deduct</i>	-13.85	
			<i>For >100, Deduct</i>	-19.32	
08 14 16 00-0084	EA		3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	228.92	57.90
			<i>For >50 To 100, Deduct</i>	-14.34	
			<i>For >100, Deduct</i>	-20.06	
08 14 16 00-0085	EA		3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	241.00	60.31
			<i>For >50 To 100, Deduct</i>	-15.07	
			<i>For >100, Deduct</i>	-21.09	
08 14 16 00-0086	EA		2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	199.91	53.07
			<i>For >50 To 100, Deduct</i>	-12.65	
			<i>For >100, Deduct</i>	-17.65	
08 14 16 00-0087	EA		2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	199.91	53.07
			<i>For >50 To 100, Deduct</i>	-12.65	
			<i>For >100, Deduct</i>	-17.65	
08 14 16 00-0088	EA		2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	211.08	55.49
			<i>For >50 To 100, Deduct</i>	-13.33	
			<i>For >100, Deduct</i>	-18.61	

08	Openings
08 10	Doors And Frames
08 14	Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0089	EA		2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	216.44	55.49
			<i>For >50 To 100, Deduct</i>	-13.60	
			<i>For >100, Deduct</i>	-19.01	
08 14 16 00-0090	EA		2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	218.34	55.49
			<i>For >50 To 100, Deduct</i>	-13.69	
			<i>For >100, Deduct</i>	-19.15	
08 14 16 00-0091	EA		3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	225.06	57.90
			<i>For >50 To 100, Deduct</i>	-14.15	
			<i>For >100, Deduct</i>	-19.77	
08 14 16 00-0092	EA		3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	235.51	57.90
			<i>For >50 To 100, Deduct</i>	-14.67	
			<i>For >100, Deduct</i>	-20.56	
08 14 16 00-0093	EA		3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	248.00	60.31
			<i>For >50 To 100, Deduct</i>	-15.42	
			<i>For >100, Deduct</i>	-21.62	
08 14 16 00-0094	EA		2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	218.20	53.07
			<i>For >50 To 100, Deduct</i>	-13.56	
			<i>For >100, Deduct</i>	-19.02	
			<i>For Up To 1' Extra Height, Add</i>	23.53	
08 14 16 00-0095	EA		2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	218.18	53.07
			<i>For >50 To 100, Deduct</i>	-13.56	
			<i>For >100, Deduct</i>	-19.02	
			<i>For Up To 1' Extra Height, Add</i>	23.52	
08 14 16 00-0096	EA		2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	230.61	55.49
			<i>For >50 To 100, Deduct</i>	-14.30	
			<i>For >100, Deduct</i>	-20.07	
			<i>For Up To 1' Extra Height, Add</i>	25.12	
08 14 16 00-0097	EA		2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	237.00	55.49
			<i>For >50 To 100, Deduct</i>	-14.62	
			<i>For >100, Deduct</i>	-20.55	
			<i>For Up To 1' Extra Height, Add</i>	26.47	
08 14 16 00-0098	EA		2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	239.28	55.49
			<i>For >50 To 100, Deduct</i>	-14.74	
			<i>For >100, Deduct</i>	-20.72	
			<i>For Up To 1' Extra Height, Add</i>	26.95	
08 14 16 00-0099	EA		3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	246.36	57.90
			<i>For >50 To 100, Deduct</i>	-15.21	
			<i>For >100, Deduct</i>	-21.37	
			<i>For Up To 1' Extra Height, Add</i>	27.42	
08 14 16 00-0100	EA		3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	258.86	57.90
			<i>For >50 To 100, Deduct</i>	-15.84	
			<i>For >100, Deduct</i>	-22.31	
			<i>For Up To 1' Extra Height, Add</i>	30.04	
08 14 16 00-0101	EA		3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	272.82	60.31
			<i>For >50 To 100, Deduct</i>	-16.66	
			<i>For >100, Deduct</i>	-23.48	
			<i>For Up To 1' Extra Height, Add</i>	31.96	
08 14 16 00-0102			Medium Density Overlay (MDO) Faced Wood Doors (08 14 16 00-0001)		
08 14 16 00-0103	EA		2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	197.16	53.07
			<i>For >50 To 100, Deduct</i>	-12.51	
			<i>For >100, Deduct</i>	-17.44	
08 14 16 00-0104	EA		2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	197.16	53.07
			<i>For >50 To 100, Deduct</i>	-12.51	
			<i>For >100, Deduct</i>	-17.44	
08 14 16 00-0105	EA		2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	208.61	55.49
			<i>For >50 To 100, Deduct</i>	-13.20	
			<i>For >100, Deduct</i>	-18.42	
08 14 16 00-0106	EA		2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	211.75	55.49
			<i>For >50 To 100, Deduct</i>	-13.36	
			<i>For >100, Deduct</i>	-18.66	
08 14 16 00-0107	EA		2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	214.91	55.49
			<i>For >50 To 100, Deduct</i>	-13.52	
			<i>For >100, Deduct</i>	-18.89	
08 14 16 00-0108	EA		3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	222.87	57.90
			<i>For >50 To 100, Deduct</i>	-14.04	
			<i>For >100, Deduct</i>	-19.61	
08 14 16 00-0109	EA		3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	234.65	57.90
			<i>For >50 To 100, Deduct</i>	-14.63	
			<i>For >100, Deduct</i>	-20.49	
08 14 16 00-0110	EA		3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	247.08	60.31
			<i>For >50 To 100, Deduct</i>	-15.37	
			<i>For >100, Deduct</i>	-21.55	
08 14 16 00-0111	EA		2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	202.45	53.07
			<i>For >50 To 100, Deduct</i>	-12.78	
			<i>For >100, Deduct</i>	-17.84	
08 14 16 00-0112	EA		2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	202.45	53.07
			<i>For >50 To 100, Deduct</i>	-12.78	
			<i>For >100, Deduct</i>	-17.84	
08 14 16 00-0113	EA		2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	214.28	55.49
			<i>For >50 To 100, Deduct</i>	-13.49	
			<i>For >100, Deduct</i>	-18.85	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0114	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	217.62	55.49
			<i>For >50 To 100, Deduct</i>	-13.66	
			<i>For >100, Deduct</i>	-19.10	
08 14 16 00-0115	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	220.96	55.49
			<i>For >50 To 100, Deduct</i>	-13.82	
			<i>For >100, Deduct</i>	-19.35	
08 14 16 00-0116	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	229.11	57.90
			<i>For >50 To 100, Deduct</i>	-14.35	
			<i>For >100, Deduct</i>	-20.08	
08 14 16 00-0117	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	241.57	57.90
			<i>For >50 To 100, Deduct</i>	-14.97	
			<i>For >100, Deduct</i>	-21.01	
08 14 16 00-0118	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	254.44	60.31
			<i>For >50 To 100, Deduct</i>	-15.74	
			<i>For >100, Deduct</i>	-22.10	
08 14 16 00-0119	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	221.22	53.07
			<i>For >50 To 100, Deduct</i>	-13.72	
			<i>For >100, Deduct</i>	-19.25	
			<i>For Up To 1' Extra Height, Add</i>	24.16	
08 14 16 00-0120	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	221.24	53.07
			<i>For >50 To 100, Deduct</i>	-13.72	
			<i>For >100, Deduct</i>	-19.25	
			<i>For Up To 1' Extra Height, Add</i>	24.17	
08 14 16 00-0121	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	234.43	55.49
			<i>For >50 To 100, Deduct</i>	-14.50	
			<i>For >100, Deduct</i>	-20.36	
			<i>For Up To 1' Extra Height, Add</i>	25.93	
08 14 16 00-0122	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	238.42	55.49
			<i>For >50 To 100, Deduct</i>	-14.70	
			<i>For >100, Deduct</i>	-20.66	
			<i>For Up To 1' Extra Height, Add</i>	26.76	
08 14 16 00-0123	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	242.42	55.49
			<i>For >50 To 100, Deduct</i>	-14.90	
			<i>For >100, Deduct</i>	-20.96	
			<i>For Up To 1' Extra Height, Add</i>	27.60	
08 14 16 00-0124	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	251.21	57.90
			<i>For >50 To 100, Deduct</i>	-15.46	
			<i>For >100, Deduct</i>	-21.74	
			<i>For Up To 1' Extra Height, Add</i>	28.44	
08 14 16 00-0125	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	266.11	57.90
			<i>For >50 To 100, Deduct</i>	-16.20	
			<i>For >100, Deduct</i>	-22.85	
			<i>For Up To 1' Extra Height, Add</i>	31.57	
08 14 16 00-0126	EA		3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	280.54	60.31
			<i>For >50 To 100, Deduct</i>	-17.04	
			<i>For >100, Deduct</i>	-24.06	
			<i>For Up To 1' Extra Height, Add</i>	33.58	
08 14 16 00-0127			1-3/4" Thick, Hollow Core (HC), Wood Doors <small>(08 14 16)</small>		
08 14 16 00-0128			Birch Faced Wood Doors <small>(08 14 16 00-0127)</small>		
08 14 16 00-0129	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	254.26	53.07
			<i>For >50 To 100, Deduct</i>	-15.37	
			<i>For >100, Deduct</i>	-21.72	
08 14 16 00-0130	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	254.26	53.07
			<i>For >50 To 100, Deduct</i>	-15.37	
			<i>For >100, Deduct</i>	-21.72	
08 14 16 00-0131	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	264.66	55.49
			<i>For >50 To 100, Deduct</i>	-16.01	
			<i>For >100, Deduct</i>	-22.62	
08 14 16 00-0132	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	266.74	55.49
			<i>For >50 To 100, Deduct</i>	-16.11	
			<i>For >100, Deduct</i>	-22.78	
08 14 16 00-0133	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	271.30	55.49
			<i>For >50 To 100, Deduct</i>	-16.34	
			<i>For >100, Deduct</i>	-23.12	
08 14 16 00-0134	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	280.68	57.90
			<i>For >50 To 100, Deduct</i>	-16.93	
			<i>For >100, Deduct</i>	-23.95	
08 14 16 00-0135	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	304.86	57.90
			<i>For >50 To 100, Deduct</i>	-18.14	
			<i>For >100, Deduct</i>	-25.76	
08 14 16 00-0136	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	358.76	60.31
			<i>For >50 To 100, Deduct</i>	-20.95	
			<i>For >100, Deduct</i>	-29.92	
08 14 16 00-0137	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	370.66	60.31
			<i>For >50 To 100, Deduct</i>	-21.55	
			<i>For >100, Deduct</i>	-30.82	
08 14 16 00-0138	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	394.47	60.31
			<i>For >50 To 100, Deduct</i>	-22.74	
			<i>For >100, Deduct</i>	-32.60	
08 14 16 00-0139	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	262.89	53.07
			<i>For >50 To 100, Deduct</i>	-15.80	
			<i>For >100, Deduct</i>	-22.37	

08	Openings
08 10	Doors And Frames
08 14	Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0140	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	262.89	53.07
			<i>For >50 To 100, Deduct</i>	-15.80	
			<i>For >100, Deduct</i>	-22.37	
08 14 16 00-0141	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	273.60	55.49
			<i>For >50 To 100, Deduct</i>	-16.45	
			<i>For >100, Deduct</i>	-23.29	
08 14 16 00-0142	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	275.81	55.49
			<i>For >50 To 100, Deduct</i>	-16.56	
			<i>For >100, Deduct</i>	-23.46	
08 14 16 00-0143	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	280.63	55.49
			<i>For >50 To 100, Deduct</i>	-16.81	
			<i>For >100, Deduct</i>	-23.82	
08 14 16 00-0144	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	290.27	57.90
			<i>For >50 To 100, Deduct</i>	-17.41	
			<i>For >100, Deduct</i>	-24.67	
08 14 16 00-0145	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	315.86	57.90
			<i>For >50 To 100, Deduct</i>	-18.69	
			<i>For >100, Deduct</i>	-26.58	
08 14 16 00-0146	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	372.62	60.31
			<i>For >50 To 100, Deduct</i>	-21.65	
			<i>For >100, Deduct</i>	-30.96	
08 14 16 00-0147	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	385.21	60.31
			<i>For >50 To 100, Deduct</i>	-22.28	
			<i>For >100, Deduct</i>	-31.91	
08 14 16 00-0148	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	410.42	60.31
			<i>For >50 To 100, Deduct</i>	-23.54	
			<i>For >100, Deduct</i>	-33.80	
08 14 16 00-0149	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	293.46	53.07
			<i>For >50 To 100, Deduct</i>	-17.33	
			<i>For >100, Deduct</i>	-24.66	
			<i>For Up To 1' Extra Height, Add</i>	39.33	
08 14 16 00-0150	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	293.46	53.07
			<i>For >50 To 100, Deduct</i>	-17.33	
			<i>For >100, Deduct</i>	-24.66	
			<i>For Up To 1' Extra Height, Add</i>	39.33	
08 14 16 00-0151	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	305.32	55.49
			<i>For >50 To 100, Deduct</i>	-18.04	
			<i>For >100, Deduct</i>	-25.67	
			<i>For Up To 1' Extra Height, Add</i>	40.81	
08 14 16 00-0152	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	307.94	55.49
			<i>For >50 To 100, Deduct</i>	-18.17	
			<i>For >100, Deduct</i>	-25.87	
			<i>For Up To 1' Extra Height, Add</i>	41.36	
08 14 16 00-0153	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	313.72	55.49
			<i>For >50 To 100, Deduct</i>	-18.46	
			<i>For >100, Deduct</i>	-26.30	
			<i>For Up To 1' Extra Height, Add</i>	42.58	
08 14 16 00-0154	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	324.29	57.90
			<i>For >50 To 100, Deduct</i>	-19.11	
			<i>For >100, Deduct</i>	-27.22	
			<i>For Up To 1' Extra Height, Add</i>	43.78	
08 14 16 00-0155	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	354.88	57.90
			<i>For >50 To 100, Deduct</i>	-20.64	
			<i>For >100, Deduct</i>	-29.51	
			<i>For Up To 1' Extra Height, Add</i>	50.21	
08 14 16 00-0156	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	421.76	60.31
			<i>For >50 To 100, Deduct</i>	-24.10	
			<i>For >100, Deduct</i>	-34.65	
			<i>For Up To 1' Extra Height, Add</i>	63.24	
08 14 16 00-0157	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	436.80	60.31
			<i>For >50 To 100, Deduct</i>	-24.86	
			<i>For >100, Deduct</i>	-35.78	
			<i>For Up To 1' Extra Height, Add</i>	66.40	
08 14 16 00-0158	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	466.93	60.31
			<i>For >50 To 100, Deduct</i>	-26.36	
			<i>For >100, Deduct</i>	-38.04	
			<i>For Up To 1' Extra Height, Add</i>	72.72	
08 14 16 00-0159			Oak Faced Wood Doors (08 14 16 00-0127)		
08 14 16 00-0160	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	301.05	53.07
			<i>For >50 To 100, Deduct</i>	-17.71	
			<i>For >100, Deduct</i>	-25.23	
08 14 16 00-0161	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	301.05	53.07
			<i>For >50 To 100, Deduct</i>	-17.71	
			<i>For >100, Deduct</i>	-25.23	
08 14 16 00-0162	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	313.18	55.49
			<i>For >50 To 100, Deduct</i>	-18.43	
			<i>For >100, Deduct</i>	-26.26	
08 14 16 00-0163	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	315.93	55.49
			<i>For >50 To 100, Deduct</i>	-18.57	
			<i>For >100, Deduct</i>	-26.47	
08 14 16 00-0164	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	321.93	55.49
			<i>For >50 To 100, Deduct</i>	-18.87	
			<i>For >100, Deduct</i>	-26.92	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0165	EA			3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	332.74 -19.53 -27.85	57.90
08 14 16 00-0166	EA			3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	364.56 -21.12 -30.24	57.90
08 14 16 00-0167	EA			3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	433.96 -24.71 -35.56	60.31
08 14 16 00-0168	EA			3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	449.64 -25.50 -36.74	60.31
08 14 16 00-0169	EA			4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	480.99 -27.07 -39.09	60.31
08 14 16 00-0170	EA			2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	312.39 -18.27 -26.08	53.07
08 14 16 00-0171	EA			2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	312.39 -18.27 -26.08	53.07
08 14 16 00-0172	EA			2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	324.95 -19.02 -27.15	55.49
08 14 16 00-0173	EA			2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	327.86 -19.17 -27.36	55.49
08 14 16 00-0174	EA			2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	334.20 -19.48 -27.84	55.49
08 14 16 00-0175	EA			3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	345.36 -20.16 -28.80	57.90
08 14 16 00-0176	EA			3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	379.03 -21.85 -31.32	57.90
08 14 16 00-0177	EA			3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	452.20 -25.63 -36.93	60.31
08 14 16 00-0178	EA			3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	468.79 -26.46 -38.18	60.31
08 14 16 00-0179	EA			4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	501.96 -28.11 -40.66	60.31
08 14 16 00-0180	EA			2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	352.59 -20.28 -29.10 51.75	53.07
08 14 16 00-0181	EA			2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	352.61 -20.28 -29.10 51.75	53.07
08 14 16 00-0182	EA			2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	366.68 -21.11 -30.28 53.70	55.49
08 14 16 00-0183	EA			2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	370.14 -21.28 -30.53 54.43	55.49
08 14 16 00-0184	EA			2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	377.73 -21.66 -31.10 56.02	55.49
08 14 16 00-0185	EA			3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	390.13 -22.40 -32.15 57.61	57.90
08 14 16 00-0186	EA			3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	430.38 -24.41 -35.17 66.06	57.90
08 14 16 00-0187	EA			3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	516.85 -28.86 -41.78 83.21	60.31
08 14 16 00-0188	EA			3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	536.69 -29.85 -43.27 87.37	60.31
08 14 16 00-0189	EA			4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	576.33 -31.83 -46.24 95.70	60.31

08 Openings
08 10 Doors And Frames
08 14 Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0190			Maple Faced Wood Doors <small>(08 14 16 00-0127)</small>		
08 14 16 00-0191	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	340.02	53.07
			<i>For >50 To 100, Deduct</i>	-19.66	
			<i>For >100, Deduct</i>	-28.16	
08 14 16 00-0192	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	340.02	53.07
			<i>For >50 To 100, Deduct</i>	-19.66	
			<i>For >100, Deduct</i>	-28.16	
08 14 16 00-0193	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	353.63	55.49
			<i>For >50 To 100, Deduct</i>	-20.46	
			<i>For >100, Deduct</i>	-29.30	
08 14 16 00-0194	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	357.06	55.49
			<i>For >50 To 100, Deduct</i>	-20.63	
			<i>For >100, Deduct</i>	-29.55	
08 14 16 00-0195	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	364.19	55.49
			<i>For >50 To 100, Deduct</i>	-20.98	
			<i>For >100, Deduct</i>	-30.09	
08 14 16 00-0196	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	376.12	57.90
			<i>For >50 To 100, Deduct</i>	-21.70	
			<i>For >100, Deduct</i>	-31.10	
08 14 16 00-0197	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	414.31	57.90
			<i>For >50 To 100, Deduct</i>	-23.61	
			<i>For >100, Deduct</i>	-33.97	
08 14 16 00-0198	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	477.93	60.31
			<i>For >50 To 100, Deduct</i>	-26.91	
			<i>For >100, Deduct</i>	-38.86	
08 14 16 00-0199	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	515.43	60.31
			<i>For >50 To 100, Deduct</i>	-28.79	
			<i>For >100, Deduct</i>	-41.67	
08 14 16 00-0200	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	553.06	60.31
			<i>For >50 To 100, Deduct</i>	-30.67	
			<i>For >100, Deduct</i>	-44.50	
08 14 16 00-0201	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	353.64	53.07
			<i>For >50 To 100, Deduct</i>	-20.34	
			<i>For >100, Deduct</i>	-29.18	
08 14 16 00-0202	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	353.64	53.07
			<i>For >50 To 100, Deduct</i>	-20.34	
			<i>For >100, Deduct</i>	-29.18	
08 14 16 00-0203	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	367.74	55.49
			<i>For >50 To 100, Deduct</i>	-21.16	
			<i>For >100, Deduct</i>	-30.35	
08 14 16 00-0204	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	371.39	55.49
			<i>For >50 To 100, Deduct</i>	-21.34	
			<i>For >100, Deduct</i>	-30.63	
08 14 16 00-0205	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	378.91	55.49
			<i>For >50 To 100, Deduct</i>	-21.72	
			<i>For >100, Deduct</i>	-31.19	
08 14 16 00-0206	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	391.26	57.90
			<i>For >50 To 100, Deduct</i>	-22.46	
			<i>For >100, Deduct</i>	-32.24	
08 14 16 00-0207	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	431.68	57.90
			<i>For >50 To 100, Deduct</i>	-24.48	
			<i>For >100, Deduct</i>	-35.27	
08 14 16 00-0208	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	498.63	60.31
			<i>For >50 To 100, Deduct</i>	-27.95	
			<i>For >100, Deduct</i>	-40.41	
08 14 16 00-0209	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	538.43	60.31
			<i>For >50 To 100, Deduct</i>	-29.94	
			<i>For >100, Deduct</i>	-43.40	
08 14 16 00-0210	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	578.22	60.31
			<i>For >50 To 100, Deduct</i>	-31.93	
			<i>For >100, Deduct</i>	-46.38	
08 14 16 00-0211	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	401.90	53.07
			<i>For >50 To 100, Deduct</i>	-22.75	
			<i>For >100, Deduct</i>	-32.80	
			<i>For Up To 1' Extra Height, Add</i>	62.11	
08 14 16 00-0212	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	401.90	53.07
			<i>For >50 To 100, Deduct</i>	-22.75	
			<i>For >100, Deduct</i>	-32.80	
			<i>For Up To 1' Extra Height, Add</i>	62.11	
08 14 16 00-0213	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	417.81	55.49
			<i>For >50 To 100, Deduct</i>	-23.66	
			<i>For >100, Deduct</i>	-34.11	
			<i>For Up To 1' Extra Height, Add</i>	64.44	
08 14 16 00-0214	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	422.17	55.49
			<i>For >50 To 100, Deduct</i>	-23.88	
			<i>For >100, Deduct</i>	-34.44	
			<i>For Up To 1' Extra Height, Add</i>	65.35	
08 14 16 00-0215	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	431.13	55.49
			<i>For >50 To 100, Deduct</i>	-24.33	
			<i>For >100, Deduct</i>	-35.11	
			<i>For Up To 1' Extra Height, Add</i>	67.23	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0216	EA			3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	444.98	57.90
				<i>For >50 To 100, Deduct</i>	-25.14	
				<i>For >100, Deduct</i>	-36.27	
				<i>For Up To 1' Extra Height, Add</i>	69.13	
08 14 16 00-0217	EA			3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	493.26	57.90
				<i>For >50 To 100, Deduct</i>	-27.56	
				<i>For >100, Deduct</i>	-39.89	
				<i>For Up To 1' Extra Height, Add</i>	79.27	
08 14 16 00-0218	EA			3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	572.36	60.31
				<i>For >50 To 100, Deduct</i>	-31.63	
				<i>For >100, Deduct</i>	-45.94	
				<i>For Up To 1' Extra Height, Add</i>	94.86	
08 14 16 00-0219	EA			3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	619.91	60.31
				<i>For >50 To 100, Deduct</i>	-34.01	
				<i>For >100, Deduct</i>	-49.51	
				<i>For Up To 1' Extra Height, Add</i>	104.85	
08 14 16 00-0220	EA			4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	667.48	60.31
				<i>For >50 To 100, Deduct</i>	-36.39	
				<i>For >100, Deduct</i>	-53.08	
				<i>For Up To 1' Extra Height, Add</i>	114.84	
08 14 16 00-0221 Walnut Faced Wood Doors (08 14 16 00-0127)						
08 14 16 00-0222	EA			2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	370.18	53.07
				<i>For >50 To 100, Deduct</i>	-21.16	
				<i>For >100, Deduct</i>	-30.42	
08 14 16 00-0223	EA			2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	370.18	53.07
				<i>For >50 To 100, Deduct</i>	-21.16	
				<i>For >100, Deduct</i>	-30.42	
08 14 16 00-0224	EA			2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	376.83	55.49
				<i>For >50 To 100, Deduct</i>	-21.62	
				<i>For >100, Deduct</i>	-31.04	
08 14 16 00-0225	EA			2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	388.53	55.49
				<i>For >50 To 100, Deduct</i>	-22.20	
				<i>For >100, Deduct</i>	-31.91	
08 14 16 00-0226	EA			2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	390.32	55.49
				<i>For >50 To 100, Deduct</i>	-22.29	
				<i>For >100, Deduct</i>	-32.05	
08 14 16 00-0227	EA			3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	396.94	57.90
				<i>For >50 To 100, Deduct</i>	-22.74	
				<i>For >100, Deduct</i>	-32.67	
08 14 16 00-0228	EA			3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	428.32	57.90
				<i>For >50 To 100, Deduct</i>	-24.31	
				<i>For >100, Deduct</i>	-35.02	
08 14 16 00-0229	EA			3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	514.16	60.31
				<i>For >50 To 100, Deduct</i>	-28.72	
				<i>For >100, Deduct</i>	-41.58	
08 14 16 00-0230	EA			3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	533.83	60.31
				<i>For >50 To 100, Deduct</i>	-29.71	
				<i>For >100, Deduct</i>	-43.05	
08 14 16 00-0231	EA			4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	573.22	60.31
				<i>For >50 To 100, Deduct</i>	-31.68	
				<i>For >100, Deduct</i>	-46.01	
08 14 16 00-0232	EA			2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	385.54	53.07
				<i>For >50 To 100, Deduct</i>	-21.93	
				<i>For >100, Deduct</i>	-31.57	
08 14 16 00-0233	EA			2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	385.54	53.07
				<i>For >50 To 100, Deduct</i>	-21.93	
				<i>For >100, Deduct</i>	-31.57	
08 14 16 00-0234	EA			2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	392.31	55.49
				<i>For >50 To 100, Deduct</i>	-22.39	
				<i>For >100, Deduct</i>	-32.20	
08 14 16 00-0235	EA			2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	404.68	55.49
				<i>For >50 To 100, Deduct</i>	-23.01	
				<i>For >100, Deduct</i>	-33.13	
08 14 16 00-0236	EA			2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	406.59	55.49
				<i>For >50 To 100, Deduct</i>	-23.10	
				<i>For >100, Deduct</i>	-33.27	
08 14 16 00-0237	EA			3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	413.30	57.90
				<i>For >50 To 100, Deduct</i>	-23.56	
				<i>For >100, Deduct</i>	-33.89	
08 14 16 00-0238	EA			3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	446.50	57.90
				<i>For >50 To 100, Deduct</i>	-25.22	
				<i>For >100, Deduct</i>	-36.38	
08 14 16 00-0239	EA			3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	537.06	60.31
				<i>For >50 To 100, Deduct</i>	-29.87	
				<i>For >100, Deduct</i>	-43.30	
08 14 16 00-0240	EA			3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	557.88	60.31
				<i>For >50 To 100, Deduct</i>	-30.91	
				<i>For >100, Deduct</i>	-44.86	
08 14 16 00-0241	EA			4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	599.55	60.31
				<i>For >50 To 100, Deduct</i>	-32.99	
				<i>For >100, Deduct</i>	-47.98	

08	Openings
08 10	Doors And Frames
08 14	Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0242	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	440.02	53.07
			<i>For >50 To 100, Deduct</i>	-24.66	
			<i>For >100, Deduct</i>	-35.66	
			<i>For Up To 1' Extra Height, Add</i>	70.11	
08 14 16 00-0243	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	440.02	53.07
			<i>For >50 To 100, Deduct</i>	-24.66	
			<i>For >100, Deduct</i>	-35.66	
			<i>For Up To 1' Extra Height, Add</i>	70.11	
08 14 16 00-0244	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	447.18	55.49
			<i>For >50 To 100, Deduct</i>	-25.13	
			<i>For >100, Deduct</i>	-36.31	
			<i>For Up To 1' Extra Height, Add</i>	70.60	
08 14 16 00-0245	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	461.95	55.49
			<i>For >50 To 100, Deduct</i>	-25.87	
			<i>For >100, Deduct</i>	-37.42	
			<i>For Up To 1' Extra Height, Add</i>	73.71	
08 14 16 00-0246	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	464.23	55.49
			<i>For >50 To 100, Deduct</i>	-25.99	
			<i>For >100, Deduct</i>	-37.59	
			<i>For Up To 1' Extra Height, Add</i>	74.18	
08 14 16 00-0247	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	471.31	57.90
			<i>For >50 To 100, Deduct</i>	-26.46	
			<i>For >100, Deduct</i>	-38.24	
			<i>For Up To 1' Extra Height, Add</i>	74.66	
08 14 16 00-0248	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	510.99	57.90
			<i>For >50 To 100, Deduct</i>	-28.44	
			<i>For >100, Deduct</i>	-41.22	
			<i>For Up To 1' Extra Height, Add</i>	82.99	
08 14 16 00-0249	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	618.27	60.31
			<i>For >50 To 100, Deduct</i>	-33.93	
			<i>For >100, Deduct</i>	-49.39	
			<i>For Up To 1' Extra Height, Add</i>	104.50	
08 14 16 00-0250	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	643.15	60.31
			<i>For >50 To 100, Deduct</i>	-35.17	
			<i>For >100, Deduct</i>	-51.25	
			<i>For Up To 1' Extra Height, Add</i>	109.73	
08 14 16 00-0251	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	692.93	60.31
			<i>For >50 To 100, Deduct</i>	-37.66	
			<i>For >100, Deduct</i>	-54.99	
			<i>For Up To 1' Extra Height, Add</i>	120.18	
08 14 16 00-0252			Lauan Faced Wood Doors <small>(08 14 16 00-0127)</small>		
08 14 16 00-0253	EA		2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	218.72	53.07
			<i>For >50 To 100, Deduct</i>	-13.59	
			<i>For >100, Deduct</i>	-19.06	
08 14 16 00-0254	EA		2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	218.72	53.07
			<i>For >50 To 100, Deduct</i>	-13.59	
			<i>For >100, Deduct</i>	-19.06	
08 14 16 00-0255	EA		2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	231.27	55.49
			<i>For >50 To 100, Deduct</i>	-14.34	
			<i>For >100, Deduct</i>	-20.12	
08 14 16 00-0256	EA		2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	237.57	55.49
			<i>For >50 To 100, Deduct</i>	-14.65	
			<i>For >100, Deduct</i>	-20.59	
08 14 16 00-0257	EA		2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	238.81	55.49
			<i>For >50 To 100, Deduct</i>	-14.71	
			<i>For >100, Deduct</i>	-20.69	
08 14 16 00-0258	EA		3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	244.89	57.90
			<i>For >50 To 100, Deduct</i>	-15.14	
			<i>For >100, Deduct</i>	-21.26	
08 14 16 00-0259	EA		3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	259.08	57.90
			<i>For >50 To 100, Deduct</i>	-15.85	
			<i>For >100, Deduct</i>	-22.33	
08 14 16 00-0260	EA		3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	282.21	60.31
			<i>For >50 To 100, Deduct</i>	-17.13	
			<i>For >100, Deduct</i>	-24.18	
08 14 16 00-0261	EA		3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	290.26	60.31
			<i>For >50 To 100, Deduct</i>	-17.53	
			<i>For >100, Deduct</i>	-24.79	
08 14 16 00-0262	EA		4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	306.43	60.31
			<i>For >50 To 100, Deduct</i>	-18.34	
			<i>For >100, Deduct</i>	-26.00	
08 14 16 00-0263	EA		2'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	225.26	53.07
			<i>For >50 To 100, Deduct</i>	-13.92	
			<i>For >100, Deduct</i>	-19.55	
08 14 16 00-0264	EA		2'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	225.26	53.07
			<i>For >50 To 100, Deduct</i>	-13.92	
			<i>For >100, Deduct</i>	-19.55	
08 14 16 00-0265	EA		2'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	238.28	55.49
			<i>For >50 To 100, Deduct</i>	-14.69	
			<i>For >100, Deduct</i>	-20.65	
08 14 16 00-0266	EA		2'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	244.94	55.49
			<i>For >50 To 100, Deduct</i>	-15.02	
			<i>For >100, Deduct</i>	-21.14	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0267	EA			2'-10" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	246.26	55.49
				<i>For >50 To 100, Deduct</i>	-15.09	
				<i>For >100, Deduct</i>	-21.24	
08 14 16 00-0268	EA			3'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	252.40	57.90
				<i>For >50 To 100, Deduct</i>	-15.52	
				<i>For >100, Deduct</i>	-21.83	
08 14 16 00-0269	EA			3'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	267.42	57.90
				<i>For >50 To 100, Deduct</i>	-16.27	
				<i>For >100, Deduct</i>	-22.95	
08 14 16 00-0270	EA			3'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	291.60	60.31
				<i>For >50 To 100, Deduct</i>	-17.60	
				<i>For >100, Deduct</i>	-24.89	
08 14 16 00-0271	EA			3'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	300.14	60.31
				<i>For >50 To 100, Deduct</i>	-18.02	
				<i>For >100, Deduct</i>	-25.53	
08 14 16 00-0272	EA			4'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	317.23	60.31
				<i>For >50 To 100, Deduct</i>	-18.88	
				<i>For >100, Deduct</i>	-26.81	
08 14 16 00-0273	EA			2'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	248.48	53.07
				<i>For >50 To 100, Deduct</i>	-15.08	
				<i>For >100, Deduct</i>	-21.29	
				<i>For Up To 1' Extra Height, Add</i>	29.89	
08 14 16 00-0274	EA			2'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	248.48	53.07
				<i>For >50 To 100, Deduct</i>	-15.08	
				<i>For >100, Deduct</i>	-21.29	
				<i>For Up To 1' Extra Height, Add</i>	29.89	
08 14 16 00-0275	EA			2'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	263.09	55.49
				<i>For >50 To 100, Deduct</i>	-15.93	
				<i>For >100, Deduct</i>	-22.51	
				<i>For Up To 1' Extra Height, Add</i>	31.95	
08 14 16 00-0276	EA			2'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	271.05	55.49
				<i>For >50 To 100, Deduct</i>	-16.33	
				<i>For >100, Deduct</i>	-23.10	
				<i>For Up To 1' Extra Height, Add</i>	33.62	
08 14 16 00-0277	EA			2'-10" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	272.64	55.49
				<i>For >50 To 100, Deduct</i>	-16.41	
				<i>For >100, Deduct</i>	-23.22	
				<i>For Up To 1' Extra Height, Add</i>	33.95	
08 14 16 00-0278	EA			3'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	279.04	57.90
				<i>For >50 To 100, Deduct</i>	-16.85	
				<i>For >100, Deduct</i>	-23.82	
				<i>For Up To 1' Extra Height, Add</i>	34.28	
08 14 16 00-0279	EA			3'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	297.00	57.90
				<i>For >50 To 100, Deduct</i>	-17.75	
				<i>For >100, Deduct</i>	-25.17	
				<i>For Up To 1' Extra Height, Add</i>	38.05	
08 14 16 00-0280	EA			3'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	324.93	60.31
				<i>For >50 To 100, Deduct</i>	-19.26	
				<i>For >100, Deduct</i>	-27.39	
				<i>For Up To 1' Extra Height, Add</i>	42.90	
08 14 16 00-0281	EA			3'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	335.14	60.31
				<i>For >50 To 100, Deduct</i>	-19.77	
				<i>For >100, Deduct</i>	-28.15	
				<i>For Up To 1' Extra Height, Add</i>	45.05	
08 14 16 00-0282	EA			4'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	355.57	60.31
				<i>For >50 To 100, Deduct</i>	-20.79	
				<i>For >100, Deduct</i>	-29.68	
				<i>For Up To 1' Extra Height, Add</i>	49.34	
08 14 16 00-0283				Medium Density Overlay (MDO) Faced Wood Doors <small>(08 14 16 00-0127)</small>		
08 14 16 00-0284	EA			2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	219.53	53.07
				<i>For >50 To 100, Deduct</i>	-13.63	
				<i>For >100, Deduct</i>	-19.12	
08 14 16 00-0285	EA			2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	219.55	53.07
				<i>For >50 To 100, Deduct</i>	-13.63	
				<i>For >100, Deduct</i>	-19.12	
08 14 16 00-0286	EA			2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	227.50	55.49
				<i>For >50 To 100, Deduct</i>	-14.15	
				<i>For >100, Deduct</i>	-19.84	
08 14 16 00-0287	EA			2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	233.82	55.49
				<i>For >50 To 100, Deduct</i>	-14.47	
				<i>For >100, Deduct</i>	-20.31	
08 14 16 00-0288	EA			2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	236.98	55.49
				<i>For >50 To 100, Deduct</i>	-14.62	
				<i>For >100, Deduct</i>	-20.55	
08 14 16 00-0289	EA			3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	244.92	57.90
				<i>For >50 To 100, Deduct</i>	-15.14	
				<i>For >100, Deduct</i>	-21.26	
08 14 16 00-0290	EA			3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	252.12	57.90
				<i>For >50 To 100, Deduct</i>	-15.50	
				<i>For >100, Deduct</i>	-21.80	
08 14 16 00-0291	EA			3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	280.37	60.31
				<i>For >50 To 100, Deduct</i>	-17.03	
				<i>For >100, Deduct</i>	-24.04	

08	Openings
08 10	Doors And Frames
08 14	Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0292	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	288.35	60.31
			<i>For >50 To 100, Deduct</i>	-17.43	
			<i>For >100, Deduct</i>	-24.64	
08 14 16 00-0293	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	304.35	60.31
			<i>For >50 To 100, Deduct</i>	-18.23	
			<i>For >100, Deduct</i>	-25.84	
08 14 16 00-0294	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	226.14	53.07
			<i>For >50 To 100, Deduct</i>	-13.96	
			<i>For >100, Deduct</i>	-19.61	
08 14 16 00-0295	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	226.14	53.07
			<i>For >50 To 100, Deduct</i>	-13.96	
			<i>For >100, Deduct</i>	-19.61	
08 14 16 00-0296	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	234.27	55.49
			<i>For >50 To 100, Deduct</i>	-14.49	
			<i>For >100, Deduct</i>	-20.34	
08 14 16 00-0297	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	240.96	55.49
			<i>For >50 To 100, Deduct</i>	-14.82	
			<i>For >100, Deduct</i>	-20.85	
08 14 16 00-0298	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	244.30	55.49
			<i>For >50 To 100, Deduct</i>	-14.99	
			<i>For >100, Deduct</i>	-21.10	
08 14 16 00-0299	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	252.44	57.90
			<i>For >50 To 100, Deduct</i>	-15.52	
			<i>For >100, Deduct</i>	-21.83	
08 14 16 00-0300	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	260.06	57.90
			<i>For >50 To 100, Deduct</i>	-15.90	
			<i>For >100, Deduct</i>	-22.40	
08 14 16 00-0301	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	289.68	60.31
			<i>For >50 To 100, Deduct</i>	-17.50	
			<i>For >100, Deduct</i>	-24.74	
08 14 16 00-0302	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	298.13	60.31
			<i>For >50 To 100, Deduct</i>	-17.92	
			<i>For >100, Deduct</i>	-25.38	
08 14 16 00-0303	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	315.03	60.31
			<i>For >50 To 100, Deduct</i>	-18.77	
			<i>For >100, Deduct</i>	-26.64	
08 14 16 00-0304	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	249.54	53.07
			<i>For >50 To 100, Deduct</i>	-15.13	
			<i>For >100, Deduct</i>	-21.37	
			<i>For Up To 1' Extra Height, Add</i>	30.11	
08 14 16 00-0305	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	249.54	53.07
			<i>For >50 To 100, Deduct</i>	-15.13	
			<i>For >100, Deduct</i>	-21.37	
			<i>For Up To 1' Extra Height, Add</i>	30.11	
08 14 16 00-0306	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	258.31	55.49
			<i>For >50 To 100, Deduct</i>	-15.69	
			<i>For >100, Deduct</i>	-22.15	
			<i>For Up To 1' Extra Height, Add</i>	30.94	
08 14 16 00-0307	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	266.30	55.49
			<i>For >50 To 100, Deduct</i>	-16.09	
			<i>For >100, Deduct</i>	-22.75	
			<i>For Up To 1' Extra Height, Add</i>	32.62	
08 14 16 00-0308	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	270.29	55.49
			<i>For >50 To 100, Deduct</i>	-16.29	
			<i>For >100, Deduct</i>	-23.05	
			<i>For Up To 1' Extra Height, Add</i>	33.46	
08 14 16 00-0309	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	279.09	57.90
			<i>For >50 To 100, Deduct</i>	-16.85	
			<i>For >100, Deduct</i>	-23.83	
			<i>For Up To 1' Extra Height, Add</i>	34.29	
08 14 16 00-0310	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	288.20	57.90
			<i>For >50 To 100, Deduct</i>	-17.31	
			<i>For >100, Deduct</i>	-24.51	
			<i>For Up To 1' Extra Height, Add</i>	36.20	
08 14 16 00-0311	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	322.65	60.31
			<i>For >50 To 100, Deduct</i>	-19.15	
			<i>For >100, Deduct</i>	-27.21	
			<i>For Up To 1' Extra Height, Add</i>	42.42	
08 14 16 00-0312	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	332.74	60.31
			<i>For >50 To 100, Deduct</i>	-19.65	
			<i>For >100, Deduct</i>	-27.97	
			<i>For Up To 1' Extra Height, Add</i>	44.54	
08 14 16 00-0313	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	352.95	60.31
			<i>For >50 To 100, Deduct</i>	-20.66	
			<i>For >100, Deduct</i>	-29.49	
			<i>For Up To 1' Extra Height, Add</i>	48.79	

08 14 16 00-0314 1-3/8" Thick, Particleboard Core (PC), Wood Doors (08 14 16)
 Note: PC = Particleboard, MDF, or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 16 00-0315 Birch Faced Wood Doors (08 14 16 00-0314)



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0316	EA			2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	257.03	53.07
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.02	
				<i>For Stave Lumber Core (SLC), Add</i>	113.15	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	67.89	
				<i>For >50 To 100, Deduct</i>	-15.51	
				<i>For >100, Deduct</i>	-21.93	
08 14 16 00-0317	EA			2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	257.06	53.07
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.02	
				<i>For Stave Lumber Core (SLC), Add</i>	113.18	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	67.91	
				<i>For >50 To 100, Deduct</i>	-15.51	
				<i>For >100, Deduct</i>	-21.93	
08 14 16 00-0318	EA			2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	269.78	55.49
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.18	
				<i>For Stave Lumber Core (SLC), Add</i>	119.11	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	71.46	
				<i>For >50 To 100, Deduct</i>	-16.26	
				<i>For >100, Deduct</i>	-23.01	
08 14 16 00-0319	EA			2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	277.69	55.49
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.33	
				<i>For Stave Lumber Core (SLC), Add</i>	125.04	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	75.02	
				<i>For >50 To 100, Deduct</i>	-16.66	
				<i>For >100, Deduct</i>	-23.60	
08 14 16 00-0320	EA			2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	282.52	55.49
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.43	
				<i>For Stave Lumber Core (SLC), Add</i>	128.66	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	77.20	
				<i>For >50 To 100, Deduct</i>	-16.90	
				<i>For >100, Deduct</i>	-23.96	
08 14 16 00-0321	EA			3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	292.20	57.90
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.53	
				<i>For Stave Lumber Core (SLC), Add</i>	132.30	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	79.38	
				<i>For >50 To 100, Deduct</i>	-17.51	
				<i>For >100, Deduct</i>	-24.81	
08 14 16 00-0322	EA			3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	311.55	57.90
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.92	
				<i>For Stave Lumber Core (SLC), Add</i>	146.81	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	88.09	
				<i>For >50 To 100, Deduct</i>	-18.47	
				<i>For >100, Deduct</i>	-26.26	
08 14 16 00-0323	EA			3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	328.89	60.31
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.17	
				<i>For Stave Lumber Core (SLC), Add</i>	156.20	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	93.72	
				<i>For >50 To 100, Deduct</i>	-19.46	
				<i>For >100, Deduct</i>	-27.68	
08 14 16 00-0324	EA			2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	265.82	53.07
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.19	
				<i>For Stave Lumber Core (SLC), Add</i>	119.75	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	71.85	
				<i>For >50 To 100, Deduct</i>	-15.95	
				<i>For >100, Deduct</i>	-22.59	
08 14 16 00-0325	EA			2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	265.82	53.07
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.19	
				<i>For Stave Lumber Core (SLC), Add</i>	119.75	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	71.85	
				<i>For >50 To 100, Deduct</i>	-15.95	
				<i>For >100, Deduct</i>	-22.59	
08 14 16 00-0326	EA			2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	279.02	55.49
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.36	
				<i>For Stave Lumber Core (SLC), Add</i>	126.04	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	75.62	
				<i>For >50 To 100, Deduct</i>	-16.73	
				<i>For >100, Deduct</i>	-23.70	
08 14 16 00-0327	EA			2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	287.40	55.49
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.53	
				<i>For Stave Lumber Core (SLC), Add</i>	132.32	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	79.39	
				<i>For >50 To 100, Deduct</i>	-17.14	
				<i>For >100, Deduct</i>	-24.33	
08 14 16 00-0328	EA			2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	292.51	55.49
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.63	
				<i>For Stave Lumber Core (SLC), Add</i>	136.16	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	81.69	
				<i>For >50 To 100, Deduct</i>	-17.40	
				<i>For >100, Deduct</i>	-24.71	
08 14 16 00-0329	EA			3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	302.46	57.90
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.73	
				<i>For Stave Lumber Core (SLC), Add</i>	140.00	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	84.00	
				<i>For >50 To 100, Deduct</i>	-18.02	
				<i>For >100, Deduct</i>	-25.58	

08 Openings**08 10 Doors And Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0330	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	322.94 -4.14 155.36 93.21 -19.04 -27.12	57.90
08 14 16 00-0331	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	341.02 -4.41 165.29 99.18 -20.07 -28.59	60.31
08 14 16 00-0332	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	296.96 -3.82 143.10 85.86 -17.50 -24.93 40.07	53.07
08 14 16 00-0333	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	296.96 -3.82 143.10 85.86 -17.50 -24.93 40.07	53.07
08 14 16 00-0334	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	311.79 -4.02 150.62 90.37 -18.36 -26.16 42.17	55.49
08 14 16 00-0335	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	321.81 -4.22 158.13 94.88 -18.86 -26.91 44.28	55.49
08 14 16 00-0336	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	327.91 -4.34 162.71 97.62 -19.17 -27.37 45.56	55.49
08 14 16 00-0337	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	338.86 -4.46 167.30 100.38 -19.84 -28.31 46.84	57.90
08 14 16 00-0338	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	363.33 -4.95 185.65 111.39 -21.06 -30.14 51.98	57.90
08 14 16 00-0339	EA		3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	383.99 -5.27 197.52 118.51 -22.22 -31.82 55.31	60.31
08 14 16 00-0340			Oak Faced Wood Doors <small>(08 14 16 00-0314)</small>		
08 14 16 00-0341	EA		2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	292.33 -3.72 139.63 83.78 -17.27 -24.58	53.07
08 14 16 00-0342	EA		2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	292.33 -3.72 139.63 83.78 -17.27 -24.58	53.07



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0343	EA		2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	306.94 -3.92 146.98 88.19 -18.12 -25.79	55.49
08 14 16 00-0344	EA		2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	316.71 -4.11 154.31 92.58 -18.61 -26.53	55.49
08 14 16 00-0345	EA		2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	322.66 -4.23 158.77 95.26 -18.91 -26.97	55.49
08 14 16 00-0346	EA		3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	333.47 -4.35 163.25 97.95 -19.57 -27.91	57.90
08 14 16 00-0347	EA		3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	357.36 -4.83 181.17 108.70 -20.76 -29.70	57.90
08 14 16 00-0348	EA		3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	377.62 -5.14 192.74 115.65 -21.90 -31.34	60.31
08 14 16 00-0349	EA		2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	303.16 -3.94 147.75 88.65 -17.81 -25.39	53.07
08 14 16 00-0350	EA		2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	303.16 -3.94 147.75 88.65 -17.81 -25.39	53.07
08 14 16 00-0351	EA		2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	318.35 -4.15 155.54 93.32 -18.69 -26.65	55.49
08 14 16 00-0352	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	328.69 -4.35 163.29 97.97 -19.21 -27.43	55.49
08 14 16 00-0353	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	334.99 -4.48 168.02 100.81 -19.52 -27.90	55.49
08 14 16 00-0354	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	346.14 -4.61 172.76 103.65 -20.20 -28.86	57.90
08 14 16 00-0355	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	371.42 -5.11 191.72 115.03 -21.47 -30.75	57.90
08 14 16 00-0356	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	392.58 -5.44 203.96 122.38 -22.64 -32.46	60.31

08 Openings
08 10 Doors And Frames
08 14 Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0357	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	341.57	53.07
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.71	
			<i>For Stave Lumber Core (SLC), Add</i>	176.56	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	105.93	
			<i>For >50 To 100, Deduct</i>	-19.73	
			<i>For >100, Deduct</i>	-28.27	
			<i>For Up To 1' Extra Height, Add</i>	49.44	
08 14 16 00-0358	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	341.57	53.07
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.71	
			<i>For Stave Lumber Core (SLC), Add</i>	176.56	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	105.93	
			<i>For >50 To 100, Deduct</i>	-19.73	
			<i>For >100, Deduct</i>	-28.27	
			<i>For Up To 1' Extra Height, Add</i>	49.44	
08 14 16 00-0359	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	358.80	55.49
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.96	
			<i>For Stave Lumber Core (SLC), Add</i>	185.87	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	111.52	
			<i>For >50 To 100, Deduct</i>	-20.71	
			<i>For >100, Deduct</i>	-29.68	
			<i>For Up To 1' Extra Height, Add</i>	52.04	
08 14 16 00-0360	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	371.14	55.49
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.20	
			<i>For Stave Lumber Core (SLC), Add</i>	195.13	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	117.08	
			<i>For >50 To 100, Deduct</i>	-21.33	
			<i>For >100, Deduct</i>	-30.61	
			<i>For Up To 1' Extra Height, Add</i>	54.64	
08 14 16 00-0361	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	378.66	55.49
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.35	
			<i>For Stave Lumber Core (SLC), Add</i>	200.77	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	120.46	
			<i>For >50 To 100, Deduct</i>	-21.71	
			<i>For >100, Deduct</i>	-31.17	
			<i>For Up To 1' Extra Height, Add</i>	56.21	
08 14 16 00-0362	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	391.06	57.90
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.51	
			<i>For Stave Lumber Core (SLC), Add</i>	206.45	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	123.87	
			<i>For >50 To 100, Deduct</i>	-22.45	
			<i>For >100, Deduct</i>	-32.22	
			<i>For Up To 1' Extra Height, Add</i>	57.80	
08 14 16 00-0363	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	421.27	57.90
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.11	
			<i>For Stave Lumber Core (SLC), Add</i>	229.10	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	137.46	
			<i>For >50 To 100, Deduct</i>	-23.96	
			<i>For >100, Deduct</i>	-34.49	
			<i>For Up To 1' Extra Height, Add</i>	64.15	
08 14 16 00-0364	EA		3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	445.62	60.31
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.50	
			<i>For Stave Lumber Core (SLC), Add</i>	243.74	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	146.25	
			<i>For >50 To 100, Deduct</i>	-25.30	
			<i>For >100, Deduct</i>	-36.44	
			<i>For Up To 1' Extra Height, Add</i>	68.25	
08 14 16 00-0365			Maple Faced Wood Doors <small>(08 14 16 00-0314)</small>		
08 14 16 00-0366	EA		2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	329.56	53.07
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.47	
			<i>For Stave Lumber Core (SLC), Add</i>	167.55	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	100.53	
			<i>For >50 To 100, Deduct</i>	-19.13	
			<i>For >100, Deduct</i>	-27.37	
08 14 16 00-0367	EA		2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	329.56	53.07
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.47	
			<i>For Stave Lumber Core (SLC), Add</i>	167.55	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	100.53	
			<i>For >50 To 100, Deduct</i>	-19.13	
			<i>For >100, Deduct</i>	-27.37	
08 14 16 00-0368	EA		2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	346.13	55.49
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.70	
			<i>For Stave Lumber Core (SLC), Add</i>	176.37	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	105.82	
			<i>For >50 To 100, Deduct</i>	-20.08	
			<i>For >100, Deduct</i>	-28.73	
08 14 16 00-0369	EA		2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	357.87	55.49
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.94	
			<i>For Stave Lumber Core (SLC), Add</i>	185.18	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	111.11	
			<i>For >50 To 100, Deduct</i>	-20.67	
			<i>For >100, Deduct</i>	-29.61	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0370	EA			2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	364.99 -5.08 190.52 114.31 -21.02 -30.15	55.49
08 14 16 00-0371	EA			3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	377.00 -5.22 195.90 117.54 -21.75 -31.17	57.90
08 14 16 00-0372	EA			3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	405.66 -5.80 217.40 130.44 -23.18 -33.32	57.90
08 14 16 00-0373	EA			3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	429.01 -6.17 231.29 138.77 -24.47 -35.19	60.31
08 14 16 00-0374	EA			2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	342.55 -4.73 177.29 106.38 -19.78 -28.35	53.07
08 14 16 00-0375	EA			2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	342.55 -4.73 177.29 106.38 -19.78 -28.35	53.07
08 14 16 00-0376	EA			2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	359.82 -4.98 186.64 111.98 -20.77 -29.76	55.49
08 14 16 00-0377	EA			2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	372.24 -5.23 195.95 117.57 -21.39 -30.69	55.49
08 14 16 00-0378	EA			2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	379.79 -5.38 201.62 120.97 -21.76 -31.26	55.49
08 14 16 00-0379	EA			3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	392.21 -5.53 207.31 124.38 -22.51 -32.31	57.90
08 14 16 00-0380	EA			3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	422.54 -6.13 230.06 138.03 -24.02 -34.59	57.90
08 14 16 00-0381	EA			3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	446.97 -6.53 244.76 146.85 -25.36 -36.54	60.31
08 14 16 00-0382	EA			2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	388.65 -5.65 211.87 127.12 -22.09 -31.80	53.07
08 14 16 00-0383	EA			2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	388.65 -5.65 211.87 127.12 -22.09 -31.80 59.32	53.07

08	Openings
08 10	Doors And Frames
08 14	Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0384	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	408.35	55.49
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.95	
			<i>For Stave Lumber Core (SLC), Add</i>	223.04	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	133.82	
			<i>For >50 To 100, Deduct</i>	-23.19	
			<i>For >100, Deduct</i>	-33.40	
			<i>For Up To 1' Extra Height, Add</i>	62.45	
08 14 16 00-0385	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	423.17	55.49
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.24	
			<i>For Stave Lumber Core (SLC), Add</i>	234.15	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	140.49	
			<i>For >50 To 100, Deduct</i>	-23.93	
			<i>For >100, Deduct</i>	-34.51	
			<i>For Up To 1' Extra Height, Add</i>	65.56	
08 14 16 00-0386	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	432.21	55.49
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.42	
			<i>For Stave Lumber Core (SLC), Add</i>	240.93	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	144.56	
			<i>For >50 To 100, Deduct</i>	-24.38	
			<i>For >100, Deduct</i>	-35.19	
			<i>For Up To 1' Extra Height, Add</i>	67.46	
08 14 16 00-0387	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	446.10	57.90
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.61	
			<i>For Stave Lumber Core (SLC), Add</i>	247.73	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	148.64	
			<i>For >50 To 100, Deduct</i>	-25.20	
			<i>For >100, Deduct</i>	-36.35	
			<i>For Up To 1' Extra Height, Add</i>	69.36	
08 14 16 00-0388	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	482.36	57.90
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.33	
			<i>For Stave Lumber Core (SLC), Add</i>	274.92	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	164.95	
			<i>For >50 To 100, Deduct</i>	-27.01	
			<i>For >100, Deduct</i>	-39.07	
			<i>For Up To 1' Extra Height, Add</i>	76.98	
08 14 16 00-0389	EA		3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	510.61	60.31
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.80	
			<i>For Stave Lumber Core (SLC), Add</i>	292.49	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	175.49	
			<i>For >50 To 100, Deduct</i>	-28.55	
			<i>For >100, Deduct</i>	-41.31	
			<i>For Up To 1' Extra Height, Add</i>	81.90	
08 14 16 00-0390			Lauan Faced Wood Doors <small>(08 14 16 00-0314)</small>		
08 14 16 00-0391	EA		2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	218.52	53.07
			<i>For >50 To 100, Deduct</i>	-13.58	
			<i>For >100, Deduct</i>	-19.04	
08 14 16 00-0392	EA		2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	218.52	53.07
			<i>For >50 To 100, Deduct</i>	-13.58	
			<i>For >100, Deduct</i>	-19.04	
08 14 16 00-0393	EA		2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	229.48	55.49
			<i>For >50 To 100, Deduct</i>	-14.25	
			<i>For >100, Deduct</i>	-19.99	
08 14 16 00-0394	EA		2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	235.68	55.49
			<i>For >50 To 100, Deduct</i>	-14.56	
			<i>For >100, Deduct</i>	-20.45	
08 14 16 00-0395	EA		2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	238.79	55.49
			<i>For >50 To 100, Deduct</i>	-14.71	
			<i>For >100, Deduct</i>	-20.68	
08 14 16 00-0396	EA		3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	246.76	57.90
			<i>For >50 To 100, Deduct</i>	-15.23	
			<i>For >100, Deduct</i>	-21.40	
08 14 16 00-0397	EA		3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	261.13	57.90
			<i>For >50 To 100, Deduct</i>	-15.95	
			<i>For >100, Deduct</i>	-22.48	
08 14 16 00-0398	EA		3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	277.36	60.31
			<i>For >50 To 100, Deduct</i>	-16.88	
			<i>For >100, Deduct</i>	-23.82	
08 14 16 00-0399	EA		2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	225.06	53.07
			<i>For >50 To 100, Deduct</i>	-13.91	
			<i>For >100, Deduct</i>	-19.53	
08 14 16 00-0400	EA		2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	225.06	53.07
			<i>For >50 To 100, Deduct</i>	-13.91	
			<i>For >100, Deduct</i>	-19.53	
08 14 16 00-0401	EA		2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	236.39	55.49
			<i>For >50 To 100, Deduct</i>	-14.59	
			<i>For >100, Deduct</i>	-20.50	
08 14 16 00-0402	EA		2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	242.94	55.49
			<i>For >50 To 100, Deduct</i>	-14.92	
			<i>For >100, Deduct</i>	-20.99	
08 14 16 00-0403	EA		2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	246.24	55.49
			<i>For >50 To 100, Deduct</i>	-15.09	
			<i>For >100, Deduct</i>	-21.24	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0404	EA			3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	254.37 -15.61 -21.97	57.90
08 14 16 00-0405	EA			3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	269.61 -16.38 -23.12	57.90
08 14 16 00-0406	EA			3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	286.47 -17.34 -24.50	60.31
08 14 16 00-0407	EA			2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	248.26 -15.07 -21.27 29.84	53.07
08 14 16 00-0408	EA			2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	248.26 -15.07 -21.27 29.84	53.07
08 14 16 00-0409	EA			2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	260.84 -15.82 -22.34 31.47	55.49
08 14 16 00-0410	EA			2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	268.68 -16.21 -22.93 33.12	55.49
08 14 16 00-0411	EA			2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	272.62 -16.41 -23.22 33.95	55.49
08 14 16 00-0412	EA			3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	281.39 -16.96 -24.00 34.77	57.90
08 14 16 00-0413	EA			3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	299.59 -17.87 -25.36 38.60	57.90
08 14 16 00-0414	EA			3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	318.80 -18.96 -26.93 41.62	60.31
08 14 16 00-0415 Medium Density Overlay (MDO) Faced Wood Doors <small>(08 14 16 00-0314)</small>						
08 14 16 00-0416	EA			2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	233.05 95.17 57.10 -14.31 -20.13	53.07
08 14 16 00-0417	EA			2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	233.05 95.17 57.10 -14.31 -20.13	53.07
08 14 16 00-0418	EA			2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	245.23 100.70 60.42 -15.04 -21.17	55.49
08 14 16 00-0419	EA			2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	252.58 106.21 63.72 -15.40 -21.72	55.49
08 14 16 00-0420	EA			2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	253.93 107.22 64.33 -15.47 -21.82	55.49
08 14 16 00-0421	EA			3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	260.13 108.25 64.95 -15.90 -22.40	57.90
08 14 16 00-0422	EA			3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	276.05 120.19 72.11 -16.70 -23.60	57.90
08 14 16 00-0423	EA			3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	309.91 141.96 85.18 -18.51 -26.26	60.31

08	Openings
08 10	Doors And Frames
08 14	Wood Doors



MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI UOM		UNIT COST	UNIT COST
08 14 16 00-0424	EA 2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	240.44	53.07
	For Stave Lumber Core (SLC), Add	100.71	
	For Structural Composite Lumber Core (SCLC), Add	60.43	
	For >50 To 100, Deduct	-14.68	
	For >100, Deduct	-20.69	
08 14 16 00-0425	EA 2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	240.45	53.07
	For Stave Lumber Core (SLC), Add	100.72	
	For Structural Composite Lumber Core (SCLC), Add	60.43	
	For >50 To 100, Deduct	-14.68	
	For >100, Deduct	-20.69	
08 14 16 00-0426	EA 2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	253.05	55.49
	For Stave Lumber Core (SLC), Add	106.56	
	For Structural Composite Lumber Core (SCLC), Add	63.94	
	For >50 To 100, Deduct	-15.43	
	For >100, Deduct	-21.75	
08 14 16 00-0427	EA 2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	260.82	55.49
	For Stave Lumber Core (SLC), Add	112.39	
	For Structural Composite Lumber Core (SCLC), Add	67.43	
	For >50 To 100, Deduct	-15.82	
	For >100, Deduct	-22.34	
08 14 16 00-0428	EA 2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	262.26	55.49
	For Stave Lumber Core (SLC), Add	113.47	
	For Structural Composite Lumber Core (SCLC), Add	68.08	
	For >50 To 100, Deduct	-15.89	
	For >100, Deduct	-22.44	
08 14 16 00-0429	EA 3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	268.53	57.90
	For Stave Lumber Core (SLC), Add	114.55	
	For Structural Composite Lumber Core (SCLC), Add	68.73	
	For >50 To 100, Deduct	-16.32	
	For >100, Deduct	-23.03	
08 14 16 00-0430	EA 3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	285.38	57.90
	For Stave Lumber Core (SLC), Add	127.19	
	For Structural Composite Lumber Core (SCLC), Add	76.31	
	For >50 To 100, Deduct	-17.16	
	For >100, Deduct	-24.30	
08 14 16 00-0431	EA 3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	320.94	60.31
	For Stave Lumber Core (SLC), Add	150.23	
	For Structural Composite Lumber Core (SCLC), Add	90.14	
	For >50 To 100, Deduct	-19.06	
	For >100, Deduct	-27.09	
08 14 16 00-0432	EA 2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	266.61	53.07
	For Stave Lumber Core (SLC), Add	120.34	
	For Structural Composite Lumber Core (SCLC), Add	72.20	
	For >50 To 100, Deduct	-15.98	
	For >100, Deduct	-22.65	
	For Up To 1' Extra Height, Add	33.69	
08 14 16 00-0433	EA 2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	266.63	53.07
	For Stave Lumber Core (SLC), Add	120.35	
	For Structural Composite Lumber Core (SCLC), Add	72.21	
	For >50 To 100, Deduct	-15.99	
	For >100, Deduct	-22.65	
	For Up To 1' Extra Height, Add	33.70	
08 14 16 00-0434	EA 2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	280.75	55.49
	For Stave Lumber Core (SLC), Add	127.34	
	For Structural Composite Lumber Core (SCLC), Add	76.40	
	For >50 To 100, Deduct	-16.81	
	For >100, Deduct	-23.83	
	For Up To 1' Extra Height, Add	35.65	
08 14 16 00-0435	EA 2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	290.04	55.49
	For Stave Lumber Core (SLC), Add	134.30	
	For Structural Composite Lumber Core (SCLC), Add	80.58	
	For >50 To 100, Deduct	-17.28	
	For >100, Deduct	-24.53	
	For Up To 1' Extra Height, Add	37.60	
08 14 16 00-0436	EA 2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	291.75	55.49
	For Stave Lumber Core (SLC), Add	135.59	
	For Structural Composite Lumber Core (SCLC), Add	81.35	
	For >50 To 100, Deduct	-17.36	
	For >100, Deduct	-24.66	
	For Up To 1' Extra Height, Add	37.96	
08 14 16 00-0437	EA 3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	298.32	57.90
	For Stave Lumber Core (SLC), Add	136.89	
	For Structural Composite Lumber Core (SCLC), Add	82.13	
	For >50 To 100, Deduct	-17.81	
	For >100, Deduct	-25.27	
	For Up To 1' Extra Height, Add	38.33	
08 14 16 00-0438	EA 3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	318.46	57.90
	For Stave Lumber Core (SLC), Add	152.00	
	For Structural Composite Lumber Core (SCLC), Add	91.20	
	For >50 To 100, Deduct	-18.82	
	For >100, Deduct	-26.78	
	For Up To 1' Extra Height, Add	42.56	



Openings	08	08
Doors And Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0439 EA 3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	360.00	60.31
For Stave Lumber Core (SLC), Add	179.53	
For Structural Composite Lumber Core (SCLC), Add	107.72	
For >50 To 100, Deduct	-21.02	
For >100, Deduct	-30.02	
For Up To 1' Extra Height, Add	50.27	
08 14 16 00-0440 1-3/4" Thick, Particleboard Core (PC), Wood Doors <small>(08 14 16)</small>		
Note: PC = Particleboard, MDF, or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 16 00-0441 Birch Faced Wood Doors <small>(08 14 16 00-0440)</small>		
08 14 16 00-0442 EA 2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	289.81	53.07
For 7 Ply Cold Press Construction, Deduct	-3.67	
For Stave Lumber Core (SLC), Add	137.74	
For Structural Composite Lumber Core (SCLC), Add	82.64	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.04	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	99.17	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	137.74	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	220.38	
For >50 To 100, Deduct	-17.14	
For >100, Deduct	-24.39	
08 14 16 00-0443 EA 2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	289.81	53.07
For 7 Ply Cold Press Construction, Deduct	-3.67	
For Stave Lumber Core (SLC), Add	137.74	
For Structural Composite Lumber Core (SCLC), Add	82.64	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.04	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	99.17	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	137.74	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	220.38	
For >50 To 100, Deduct	-17.14	
For >100, Deduct	-24.39	
08 14 16 00-0444 EA 2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	284.94	55.49
For 7 Ply Cold Press Construction, Deduct	-3.48	
For Stave Lumber Core (SLC), Add	130.48	
For Structural Composite Lumber Core (SCLC), Add	78.29	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	20.88	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	93.94	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	130.48	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	208.76	
For >50 To 100, Deduct	-17.02	
For >100, Deduct	-24.14	
08 14 16 00-0445 EA 2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	292.19	55.49
For 7 Ply Cold Press Construction, Deduct	-3.62	
For Stave Lumber Core (SLC), Add	135.92	
For Structural Composite Lumber Core (SCLC), Add	81.55	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	21.75	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	97.86	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	135.92	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	217.46	
For >50 To 100, Deduct	-17.38	
For >100, Deduct	-24.69	
08 14 16 00-0446 EA 2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	297.04	55.49
For 7 Ply Cold Press Construction, Deduct	-3.72	
For Stave Lumber Core (SLC), Add	139.55	
For Structural Composite Lumber Core (SCLC), Add	83.73	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.33	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	100.48	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	139.55	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	223.28	
For >50 To 100, Deduct	-17.63	
For >100, Deduct	-25.05	
08 14 16 00-0447 EA 3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	306.70	57.90
For 7 Ply Cold Press Construction, Deduct	-3.82	
For Stave Lumber Core (SLC), Add	143.18	
For Structural Composite Lumber Core (SCLC), Add	85.91	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.91	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	103.09	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	143.18	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	229.08	
For >50 To 100, Deduct	-18.23	
For >100, Deduct	-25.90	
08 14 16 00-0448 EA 3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	327.69	57.90
For 7 Ply Cold Press Construction, Deduct	-4.24	
For Stave Lumber Core (SLC), Add	158.92	
For Structural Composite Lumber Core (SCLC), Add	95.35	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.43	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	114.42	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	158.92	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	254.27	
For >50 To 100, Deduct	-19.28	
For >100, Deduct	-27.47	

08 Openings
08 10 Doors And Frames
08 14 Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0449	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	377.89	60.31
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.15	
			<i>For Stave Lumber Core (SLC), Add</i>	192.95	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	115.77	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	30.87	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	138.92	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	192.95	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	308.71	
			<i>For >50 To 100, Deduct</i>	-21.91	
			<i>For >100, Deduct</i>	-31.36	
08 14 16 00-0450	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	390.75	60.31
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.40	
			<i>For Stave Lumber Core (SLC), Add</i>	202.59	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	121.55	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	32.41	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	145.86	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	202.59	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	324.14	
			<i>For >50 To 100, Deduct</i>	-22.55	
			<i>For >100, Deduct</i>	-32.32	
08 14 16 00-0451	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	426.12	65.14
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.92	
			<i>For Stave Lumber Core (SLC), Add</i>	221.88	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	133.13	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	35.50	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	159.75	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	221.88	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	355.01	
			<i>For >50 To 100, Deduct</i>	-24.56	
			<i>For >100, Deduct</i>	-35.22	
08 14 16 00-0452	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	281.12	53.07
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.50	
			<i>For Stave Lumber Core (SLC), Add</i>	131.22	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	78.73	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	21.00	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	94.48	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	131.22	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	209.95	
			<i>For >50 To 100, Deduct</i>	-16.71	
			<i>For >100, Deduct</i>	-23.74	
08 14 16 00-0453	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	281.12	53.07
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.50	
			<i>For Stave Lumber Core (SLC), Add</i>	131.22	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	78.73	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	21.00	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	94.48	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	131.22	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	209.95	
			<i>For >50 To 100, Deduct</i>	-16.71	
			<i>For >100, Deduct</i>	-23.74	
08 14 16 00-0454	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	295.07	55.49
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.68	
			<i>For Stave Lumber Core (SLC), Add</i>	138.08	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	82.85	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	22.09	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	99.41	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	138.08	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	220.92	
			<i>For >50 To 100, Deduct</i>	-17.53	
			<i>For >100, Deduct</i>	-24.90	
08 14 16 00-0455	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	302.74	55.49
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.84	
			<i>For Stave Lumber Core (SLC), Add</i>	143.83	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	86.30	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	23.01	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	103.56	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	143.83	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	230.12	
			<i>For >50 To 100, Deduct</i>	-17.91	
			<i>For >100, Deduct</i>	-25.48	
08 14 16 00-0456	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	307.87	55.49
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.94	
			<i>For Stave Lumber Core (SLC), Add</i>	147.68	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	88.61	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	23.63	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	106.33	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	147.68	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	236.28	
			<i>For >50 To 100, Deduct</i>	-18.17	
			<i>For >100, Deduct</i>	-25.86	



Openings	08	08
Doors And Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0457 EA 3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	317.80 -4.04 151.50 90.90 24.24 109.08 151.50 242.40 -18.79 -26.73	57.90
08 14 16 00-0458 EA 3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	340.02 -4.48 168.17 100.90 26.91 121.08 168.17 269.06 -19.90 -28.40	57.90
08 14 16 00-0459 EA 3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	392.86 -5.44 204.17 122.50 32.67 147.00 204.17 326.68 -22.66 -32.48	60.31
08 14 16 00-0460 EA 3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	406.47 -5.72 214.38 128.63 34.30 154.35 214.38 343.01 -23.34 -33.50	60.31
08 14 16 00-0461 EA 4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	443.34 -6.26 234.80 140.88 37.57 169.05 234.80 375.67 -25.42 -36.51	65.14
08 14 16 00-0462 EA 2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	338.38 -4.64 174.17 104.50 27.87 125.40 174.17 278.66 -19.57 -28.03 48.77	53.07
08 14 16 00-0463 EA 2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	338.38 -4.64 174.17 104.50 27.87 125.40 174.17 278.66 -19.57 -28.03 48.77	53.07
08 14 16 00-0464 EA 2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	330.97 -4.40 165.00 99.00 26.40 118.80 165.00 264.00 -19.32 -27.60 46.20	55.49

08	Openings
08 10	Doors And Frames
08 14	Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0465	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....340.13	55.49	
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.58	
			<i>For Stave Lumber Core (SLC), Add</i>	171.87	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	103.12	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	27.50	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	123.75	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	171.87	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	274.99	
			<i>For >50 To 100, Deduct</i>	-19.78	
			<i>For >100, Deduct</i>	-28.28	
			<i>For Up To 1' Extra Height, Add</i>	48.12	
08 14 16 00-0466	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....346.25	55.49	
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.71	
			<i>For Stave Lumber Core (SLC), Add</i>	176.46	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	105.88	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	28.23	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	127.05	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	176.46	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	282.34	
			<i>For >50 To 100, Deduct</i>	-20.09	
			<i>For >100, Deduct</i>	-28.74	
			<i>For Up To 1' Extra Height, Add</i>	49.41	
08 14 16 00-0467	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....357.18	57.90	
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.83	
			<i>For Stave Lumber Core (SLC), Add</i>	181.04	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	108.62	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	28.97	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	130.35	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	181.04	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	289.66	
			<i>For >50 To 100, Deduct</i>	-20.75	
			<i>For >100, Deduct</i>	-29.68	
			<i>For Up To 1' Extra Height, Add</i>	50.69	
08 14 16 00-0468	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....383.74	57.90	
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.36	
			<i>For Stave Lumber Core (SLC), Add</i>	200.96	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	120.57	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	32.15	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	144.69	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	200.96	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	321.53	
			<i>For >50 To 100, Deduct</i>	-22.08	
			<i>For >100, Deduct</i>	-31.68	
			<i>For Up To 1' Extra Height, Add</i>	56.27	
08 14 16 00-0469	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....445.94	60.31	
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.51	
			<i>For Stave Lumber Core (SLC), Add</i>	243.98	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	146.39	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	39.04	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	175.67	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	243.98	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	390.37	
			<i>For >50 To 100, Deduct</i>	-25.31	
			<i>For >100, Deduct</i>	-36.46	
			<i>For Up To 1' Extra Height, Add</i>	68.32	
08 14 16 00-0470	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....462.20	60.31	
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.83	
			<i>For Stave Lumber Core (SLC), Add</i>	256.18	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	153.71	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	40.99	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	184.45	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	256.18	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	409.88	
			<i>For >50 To 100, Deduct</i>	-26.13	
			<i>For >100, Deduct</i>	-37.68	
			<i>For Up To 1' Extra Height, Add</i>	71.73	
08 14 16 00-0471	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....504.38	65.14	
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.48	
			<i>For Stave Lumber Core (SLC), Add</i>	280.58	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	168.35	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	44.89	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	202.01	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	280.58	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	448.92	
			<i>For >50 To 100, Deduct</i>	-28.48	
			<i>For >100, Deduct</i>	-41.09	
			<i>For Up To 1' Extra Height, Add</i>	78.56	

08 14 16 00-0472 Oak Faced Wood Doors (08 14 16 00-0440)



Openings	08	08
Doors And Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0473 EA 2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	354.21 -4.96 186.04 111.62 29.77 133.95 186.04 297.66 -20.36 -29.22	53.07
08 14 16 00-0474 EA 2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	354.21 -4.96 186.04 111.62 29.77 133.95 186.04 297.66 -20.36 -29.22	53.07
08 14 16 00-0475 EA 2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	359.02 -4.96 186.04 111.62 29.77 133.95 186.04 297.66 -20.73 -29.70	55.49
08 14 16 00-0476 EA 2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	361.56 -5.01 187.94 112.77 30.07 135.32 187.94 300.71 -20.85 -29.89	55.49
08 14 16 00-0477 EA 2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	362.72 -5.04 188.81 113.29 30.21 135.95 188.81 302.10 -20.91 -29.98	55.49
08 14 16 00-0478 EA 3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	368.70 -5.06 189.68 113.81 30.35 136.57 189.68 303.48 -21.33 -30.55	57.90
08 14 16 00-0479 EA 3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	396.48 -5.61 210.51 126.31 33.68 151.57 210.51 336.82 -22.72 -32.63	57.90
08 14 16 00-0480 EA 3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	472.83 -7.04 264.15 158.49 42.26 190.19 264.15 422.64 -26.66 -38.48	60.31

08 Openings

08 10 Doors And Frames

08 14 Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0481	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	490.69	60.31
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.40	
			<i>For Stave Lumber Core (SLC), Add</i>	277.55	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	166.53	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	44.41	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	199.83	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	277.55	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	444.07	
			<i>For >50 To 100, Deduct</i>	-27.55	
			<i>For >100, Deduct</i>	-39.82	
08 14 16 00-0482	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	535.32	65.14
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.10	
			<i>For Stave Lumber Core (SLC), Add</i>	303.78	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	182.27	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	48.60	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	218.72	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	303.78	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	486.05	
			<i>For >50 To 100, Deduct</i>	-30.02	
			<i>For >100, Deduct</i>	-43.41	
08 14 16 00-0483	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	368.63	53.07
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.25	
			<i>For Stave Lumber Core (SLC), Add</i>	196.85	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	118.11	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	31.50	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	141.73	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	196.85	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	314.96	
			<i>For >50 To 100, Deduct</i>	-21.09	
			<i>For >100, Deduct</i>	-30.30	
08 14 16 00-0484	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	368.63	53.07
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.25	
			<i>For Stave Lumber Core (SLC), Add</i>	196.85	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	118.11	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	31.50	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	141.73	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	196.85	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	314.96	
			<i>For >50 To 100, Deduct</i>	-21.09	
			<i>For >100, Deduct</i>	-30.30	
08 14 16 00-0485	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	373.44	55.49
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.25	
			<i>For Stave Lumber Core (SLC), Add</i>	196.85	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	118.11	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	31.50	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	141.73	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	196.85	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	314.96	
			<i>For >50 To 100, Deduct</i>	-21.45	
			<i>For >100, Deduct</i>	-30.78	
08 14 16 00-0486	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	376.14	55.49
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.30	
			<i>For Stave Lumber Core (SLC), Add</i>	198.88	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	119.33	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	31.82	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	143.19	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	198.88	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	318.20	
			<i>For >50 To 100, Deduct</i>	-21.58	
			<i>For >100, Deduct</i>	-30.98	
08 14 16 00-0487	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	377.36	55.49
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.33	
			<i>For Stave Lumber Core (SLC), Add</i>	199.79	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	119.88	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	31.97	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	143.85	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	199.79	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	319.67	
			<i>For >50 To 100, Deduct</i>	-21.64	
			<i>For >100, Deduct</i>	-31.08	
08 14 16 00-0488	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	383.42	57.90
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.35	
			<i>For Stave Lumber Core (SLC), Add</i>	200.72	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	120.43	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	32.11	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	144.51	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	200.72	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	321.14	
			<i>For >50 To 100, Deduct</i>	-22.07	
			<i>For >100, Deduct</i>	-31.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0489 EA 3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	412.81	57.90
For 7 Ply Cold Press Construction, Deduct	-5.94	
For Stave Lumber Core (SLC), Add	222.76	
For Structural Composite Lumber Core (SCLC), Add	133.65	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	35.64	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	160.39	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	222.76	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	356.41	
For >50 To 100, Deduct	-23.54	
For >100, Deduct	-33.86	
08 14 16 00-0490 EA 3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	493.34	60.31
For 7 Ply Cold Press Construction, Deduct	-7.45	
For Stave Lumber Core (SLC), Add	279.53	
For Structural Composite Lumber Core (SCLC), Add	167.72	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	44.73	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	201.26	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	279.53	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	447.25	
For >50 To 100, Deduct	-27.68	
For >100, Deduct	-40.02	
08 14 16 00-0491 EA 3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	512.22	60.31
For 7 Ply Cold Press Construction, Deduct	-7.83	
For Stave Lumber Core (SLC), Add	293.69	
For Structural Composite Lumber Core (SCLC), Add	176.22	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	46.99	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	211.46	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	293.69	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	469.91	
For >50 To 100, Deduct	-28.63	
For >100, Deduct	-41.43	
08 14 16 00-0492 EA 4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	558.89	65.14
For 7 Ply Cold Press Construction, Deduct	-8.57	
For Stave Lumber Core (SLC), Add	321.46	
For Structural Composite Lumber Core (SCLC), Add	192.87	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	51.43	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	231.45	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	321.46	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	514.33	
For >50 To 100, Deduct	-31.20	
For >100, Deduct	-45.17	
08 14 16 00-0493 EA 2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	419.81	53.07
For 7 Ply Cold Press Construction, Deduct	-6.27	
For Stave Lumber Core (SLC), Add	235.24	
For Structural Composite Lumber Core (SCLC), Add	141.14	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	37.64	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	169.37	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	235.24	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	376.38	
For >50 To 100, Deduct	-23.64	
For >100, Deduct	-34.14	
For Up To 1' Extra Height, Add	65.87	
08 14 16 00-0494 EA 2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	419.81	53.07
For 7 Ply Cold Press Construction, Deduct	-6.27	
For Stave Lumber Core (SLC), Add	235.24	
For Structural Composite Lumber Core (SCLC), Add	141.14	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	37.64	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	169.37	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	235.24	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	376.38	
For >50 To 100, Deduct	-23.64	
For >100, Deduct	-34.14	
For Up To 1' Extra Height, Add	65.87	
08 14 16 00-0495 EA 2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	424.62	55.49
For 7 Ply Cold Press Construction, Deduct	-6.27	
For Stave Lumber Core (SLC), Add	235.24	
For Structural Composite Lumber Core (SCLC), Add	141.14	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	37.64	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	169.37	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	235.24	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	376.38	
For >50 To 100, Deduct	-24.01	
For >100, Deduct	-34.62	
For Up To 1' Extra Height, Add	65.87	
08 14 16 00-0496 EA 2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	427.85	55.49
For 7 Ply Cold Press Construction, Deduct	-6.34	
For Stave Lumber Core (SLC), Add	237.66	
For Structural Composite Lumber Core (SCLC), Add	142.60	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.03	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	171.12	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	237.66	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	380.26	
For >50 To 100, Deduct	-24.17	
For >100, Deduct	-34.86	
For Up To 1' Extra Height, Add	66.54	

08 Openings**08 10 Doors And Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0497	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	429.32	55.49
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.37	
			<i>For Stave Lumber Core (SLC), Add</i>	238.76	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	143.26	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	38.20	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	171.91	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	238.76	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	382.02	
			<i>For >50 To 100, Deduct</i>	-24.24	
			<i>For >100, Deduct</i>	-34.97	
			<i>For Up To 1' Extra Height, Add</i>	66.85	
08 14 16 00-0498	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	435.60	57.90
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.40	
			<i>For Stave Lumber Core (SLC), Add</i>	239.85	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	143.91	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	38.38	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	172.69	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	239.85	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	383.76	
			<i>For >50 To 100, Deduct</i>	-24.68	
			<i>For >100, Deduct</i>	-35.57	
			<i>For Up To 1' Extra Height, Add</i>	67.16	
08 14 16 00-0499	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	470.72	57.90
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.10	
			<i>For Stave Lumber Core (SLC), Add</i>	266.19	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	159.71	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	42.59	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	191.66	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	266.19	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	425.90	
			<i>For >50 To 100, Deduct</i>	-26.43	
			<i>For >100, Deduct</i>	-38.20	
			<i>For Up To 1' Extra Height, Add</i>	74.53	
08 14 16 00-0500	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	566.02	60.31
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.91	
			<i>For Stave Lumber Core (SLC), Add</i>	334.04	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	200.43	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	53.45	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	240.51	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	334.04	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	534.47	
			<i>For >50 To 100, Deduct</i>	-31.32	
			<i>For >100, Deduct</i>	-45.47	
			<i>For Up To 1' Extra Height, Add</i>	93.53	
08 14 16 00-0501	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	588.58	60.31
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.36	
			<i>For Stave Lumber Core (SLC), Add</i>	350.96	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	210.58	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	56.15	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	252.69	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	350.96	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	561.54	
			<i>For >50 To 100, Deduct</i>	-32.44	
			<i>For >100, Deduct</i>	-47.16	
			<i>For Up To 1' Extra Height, Add</i>	98.27	
08 14 16 00-0502	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	642.47	65.14
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-10.24	
			<i>For Stave Lumber Core (SLC), Add</i>	384.14	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	230.49	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	61.46	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	276.58	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	384.14	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	614.63	
			<i>For >50 To 100, Deduct</i>	-35.38	
			<i>For >100, Deduct</i>	-51.44	
			<i>For Up To 1' Extra Height, Add</i>	107.56	
08 14 16 00-0503			Maple Faced Wood Doors (08 14 16 00-0440)		
08 14 16 00-0504	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	403.81	53.07
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.95	
			<i>For Stave Lumber Core (SLC), Add</i>	223.24	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	133.94	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	35.72	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	160.73	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	223.24	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	357.18	
			<i>For >50 To 100, Deduct</i>	-22.84	
			<i>For >100, Deduct</i>	-32.94	



Openings	08	08
Doors And Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0505 EA 2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	403.81 -5.95 223.24 133.94 35.72 160.73 223.24 357.18 -22.84 -32.94	53.07
08 14 16 00-0506 EA 2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	408.62 -5.95 223.24 133.94 35.72 160.73 223.24 357.18 -23.21 -33.42	55.49
08 14 16 00-0507 EA 2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	411.68 -6.01 225.53 135.32 36.09 162.38 225.53 360.85 -23.36 -33.65	55.49
08 14 16 00-0508 EA 2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	413.05 -6.04 226.56 135.94 36.25 163.12 226.56 362.50 -23.43 -33.75	55.49
08 14 16 00-0509 EA 3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	419.28 -6.07 227.61 136.57 36.42 163.88 227.61 364.18 -23.86 -34.34	57.90
08 14 16 00-0510 EA 3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	452.62 -6.74 252.62 151.57 40.42 181.88 252.62 404.18 -25.53 -36.84	57.90
08 14 16 00-0511 EA 3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	522.14 -8.03 301.13 180.68 48.18 216.82 301.13 481.81 -29.12 -42.18	60.31
08 14 16 00-0512 EA 3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	564.40 -8.88 332.83 199.70 53.25 239.64 332.83 532.52 -31.24 -45.35	60.31

08	Openings
08 10	Doors And Frames
08 14	Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0513	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....606.70	606.70	60.31
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.72	
			<i>For Stave Lumber Core (SLC), Add</i>	364.55	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	218.73	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	58.33	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	262.48	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	364.55	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	583.28	
			<i>For >50 To 100, Deduct</i>	-33.35	
			<i>For >100, Deduct</i>	-48.52	
08 14 16 00-0514	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....421.13	421.13	53.07
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.30	
			<i>For Stave Lumber Core (SLC), Add</i>	236.23	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	141.74	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	37.80	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	170.08	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	236.23	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	377.96	
			<i>For >50 To 100, Deduct</i>	-23.71	
			<i>For >100, Deduct</i>	-34.24	
08 14 16 00-0515	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....421.13	421.13	53.07
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.30	
			<i>For Stave Lumber Core (SLC), Add</i>	236.23	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	141.74	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	37.80	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	170.08	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	236.23	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	377.96	
			<i>For >50 To 100, Deduct</i>	-23.71	
			<i>For >100, Deduct</i>	-34.24	
08 14 16 00-0516	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....425.94	425.94	55.49
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.30	
			<i>For Stave Lumber Core (SLC), Add</i>	236.23	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	141.74	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	37.80	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	170.08	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	236.23	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	377.96	
			<i>For >50 To 100, Deduct</i>	-24.07	
			<i>For >100, Deduct</i>	-34.72	
08 14 16 00-0517	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....429.17	429.17	55.49
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.36	
			<i>For Stave Lumber Core (SLC), Add</i>	238.65	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	143.19	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	38.18	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	171.83	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	238.65	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	381.84	
			<i>For >50 To 100, Deduct</i>	-24.23	
			<i>For >100, Deduct</i>	-34.96	
08 14 16 00-0518	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....430.64	430.64	55.49
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.39	
			<i>For Stave Lumber Core (SLC), Add</i>	239.75	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	143.85	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	38.36	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	172.62	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	239.75	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	383.60	
			<i>For >50 To 100, Deduct</i>	-24.31	
			<i>For >100, Deduct</i>	-35.07	
08 14 16 00-0519	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....436.94	436.94	57.90
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.42	
			<i>For Stave Lumber Core (SLC), Add</i>	240.86	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	144.51	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	38.54	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	173.42	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	240.86	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	385.37	
			<i>For >50 To 100, Deduct</i>	-24.74	
			<i>For >100, Deduct</i>	-35.67	
08 14 16 00-0520	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....472.22	472.22	57.90
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.13	
			<i>For Stave Lumber Core (SLC), Add</i>	267.32	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	160.39	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	42.77	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	192.47	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	267.32	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	427.70	
			<i>For >50 To 100, Deduct</i>	-26.51	
			<i>For >100, Deduct</i>	-38.31	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0521	EA	3'-6" x 7' x 1-3/4"	Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	545.51 -8.50 318.66 191.20 50.99 229.44 318.66 509.86 -30.29 -43.93	60.31
08 14 16 00-0522	EA	3'-8" x 7' x 1-3/4"	Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	590.24 -9.39 352.21 211.32 56.35 253.59 352.21 563.53 -32.53 -47.28	60.31
08 14 16 00-0523	EA	4'-0" x 7' x 1-3/4"	Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	635.00 -10.29 385.78 231.47 61.72 277.76 385.78 617.24 -34.77 -50.64	60.31
08 14 16 00-0524	EA	2'-0" x 8' x 1-3/4"	Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	482.54 -7.53 282.29 169.37 45.17 203.25 282.29 451.66 -26.78 -38.84 79.04	53.07
08 14 16 00-0525	EA	2'-4" x 8' x 1-3/4"	Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	482.54 -7.53 282.29 169.37 45.17 203.25 282.29 451.66 -26.78 -38.84 79.04	53.07
08 14 16 00-0526	EA	2'-6" x 8' x 1-3/4"	Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	487.35 -7.53 282.29 169.37 45.17 203.25 282.29 451.66 -27.14 -39.33 79.04	55.49
08 14 16 00-0527	EA	2'-8" x 8' x 1-3/4"	Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	491.22 -7.61 285.19 171.11 45.63 205.34 285.19 456.30 -27.34 -39.62 79.85	55.49
08 14 16 00-0528	EA	2'-10" x 8' x 1-3/4"	Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	492.99 -7.64 286.52 171.91 45.84 206.29 286.52 458.42 -27.42 -39.75 80.22	55.49

08	Openings
08 10	Doors And Frames
08 14	Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0529	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	499.55	57.90
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.68	
			<i>For Stave Lumber Core (SLC), Add</i>	287.81	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	172.69	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	46.05	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	207.23	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	287.81	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	460.50	
			<i>For >50 To 100, Deduct</i>	-27.87	
			<i>For >100, Deduct</i>	-40.36	
			<i>For Up To 1' Extra Height, Add</i>	80.59	
08 14 16 00-0530	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	541.71	57.90
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.52	
			<i>For Stave Lumber Core (SLC), Add</i>	319.43	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	191.66	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	51.11	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	229.99	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	319.43	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	511.09	
			<i>For >50 To 100, Deduct</i>	-29.98	
			<i>For >100, Deduct</i>	-43.52	
			<i>For Up To 1' Extra Height, Add</i>	89.44	
08 14 16 00-0531	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	628.36	60.31
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-10.15	
			<i>For Stave Lumber Core (SLC), Add</i>	380.80	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	228.48	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	60.93	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	274.17	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	380.80	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	609.28	
			<i>For >50 To 100, Deduct</i>	-34.43	
			<i>For >100, Deduct</i>	-50.14	
			<i>For Up To 1' Extra Height, Add</i>	106.62	
08 14 16 00-0532	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	681.81	60.31
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-11.22	
			<i>For Stave Lumber Core (SLC), Add</i>	420.89	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	252.53	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	67.34	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	303.04	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	420.89	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	673.42	
			<i>For >50 To 100, Deduct</i>	-37.11	
			<i>For >100, Deduct</i>	-54.15	
			<i>For Up To 1' Extra Height, Add</i>	117.85	
08 14 16 00-0533	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	735.28	60.31
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-12.29	
			<i>For Stave Lumber Core (SLC), Add</i>	460.99	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	276.59	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	73.76	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	331.91	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	460.99	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	737.58	
			<i>For >50 To 100, Deduct</i>	-39.78	
			<i>For >100, Deduct</i>	-58.16	
			<i>For Up To 1' Extra Height, Add</i>	129.08	
08 14 16 00-0534			Walnut Faced Wood Doors <small>(08 14 16 00-0440)</small>		
08 14 16 00-0535	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	486.73	53.07
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.61	
			<i>For Stave Lumber Core (SLC), Add</i>	285.43	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	171.26	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	45.67	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	205.51	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	285.43	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	456.68	
			<i>For >50 To 100, Deduct</i>	-26.99	
			<i>For >100, Deduct</i>	-39.16	
08 14 16 00-0536	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	486.73	53.07
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.61	
			<i>For Stave Lumber Core (SLC), Add</i>	285.43	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	171.26	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	45.67	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	205.51	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	285.43	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	456.68	
			<i>For >50 To 100, Deduct</i>	-26.99	
			<i>For >100, Deduct</i>	-39.16	



Openings	08	08
Doors And Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0537 EA 2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	491.66	55.49
For 7 Ply Cold Press Construction, Deduct	-7.61	
For Stave Lumber Core (SLC), Add	285.52	
For Structural Composite Lumber Core (SCLC), Add	171.31	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	45.68	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	205.57	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	285.52	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	456.83	
For >50 To 100, Deduct	-27.36	
For >100, Deduct	-39.65	
08 14 16 00-0538 EA 2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	495.58	55.49
For 7 Ply Cold Press Construction, Deduct	-7.69	
For Stave Lumber Core (SLC), Add	288.46	
For Structural Composite Lumber Core (SCLC), Add	173.07	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	46.15	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	207.69	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	288.46	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	461.53	
For >50 To 100, Deduct	-27.55	
For >100, Deduct	-39.94	
08 14 16 00-0539 EA 2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	505.85	55.49
For 7 Ply Cold Press Construction, Deduct	-7.90	
For Stave Lumber Core (SLC), Add	296.16	
For Structural Composite Lumber Core (SCLC), Add	177.70	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	47.39	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	213.24	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	296.16	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	473.86	
For >50 To 100, Deduct	-28.07	
For >100, Deduct	-40.71	
08 14 16 00-0540 EA 3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	520.91	57.90
For 7 Ply Cold Press Construction, Deduct	-8.10	
For Stave Lumber Core (SLC), Add	303.83	
For Structural Composite Lumber Core (SCLC), Add	182.30	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	48.61	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	218.76	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	303.83	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	486.13	
For >50 To 100, Deduct	-28.94	
For >100, Deduct	-41.96	
08 14 16 00-0541 EA 3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	547.52	57.90
For 7 Ply Cold Press Construction, Deduct	-8.63	
For Stave Lumber Core (SLC), Add	323.79	
For Structural Composite Lumber Core (SCLC), Add	194.27	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	51.81	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	233.13	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	323.79	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	518.06	
For >50 To 100, Deduct	-30.27	
For >100, Deduct	-43.96	
08 14 16 00-0542 EA 3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	664.64	60.31
For 7 Ply Cold Press Construction, Deduct	-10.88	
For Stave Lumber Core (SLC), Add	408.01	
For Structural Composite Lumber Core (SCLC), Add	244.80	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	65.28	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	293.77	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	408.01	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	652.81	
For >50 To 100, Deduct	-36.25	
For >100, Deduct	-52.86	
08 14 16 00-0543 EA 3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	691.83	60.31
For 7 Ply Cold Press Construction, Deduct	-11.42	
For Stave Lumber Core (SLC), Add	428.40	
For Structural Composite Lumber Core (SCLC), Add	257.04	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	68.54	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	308.45	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	428.40	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	685.44	
For >50 To 100, Deduct	-37.61	
For >100, Deduct	-54.90	
08 14 16 00-0544 EA 4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	746.26	60.31
For 7 Ply Cold Press Construction, Deduct	-12.51	
For Stave Lumber Core (SLC), Add	469.22	
For Structural Composite Lumber Core (SCLC), Add	281.53	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	75.08	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	337.84	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	469.22	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	750.76	
For >50 To 100, Deduct	-40.33	
For >100, Deduct	-58.99	

08 Openings
08 10 Doors And Frames
08 14 Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0545	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	508.87 -8.05 302.03 181.22 48.33 217.46 302.03 483.25 -28.10 -40.82	53.07
08 14 16 00-0546	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	508.87 -8.05 302.03 181.22 48.33 217.46 302.03 483.25 -28.10 -40.82	53.07
08 14 16 00-0547	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	513.81 -8.06 302.13 181.28 48.34 217.53 302.13 483.41 -28.46 -41.31	55.49
08 14 16 00-0548	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	517.97 -8.14 305.25 183.15 48.84 219.78 305.25 488.40 -28.67 -41.62	55.49
08 14 16 00-0549	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	528.82 -8.36 313.39 188.03 50.14 225.64 313.39 501.42 -29.22 -42.44	55.49
08 14 16 00-0550	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	544.48 -8.57 321.51 192.91 51.44 231.49 321.51 514.42 -30.12 -43.73	57.90
08 14 16 00-0551	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	572.65 -9.14 342.64 205.58 54.82 246.70 342.64 548.22 -31.53 -45.84	57.90
08 14 16 00-0552	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	696.29 -11.51 431.75 259.05 69.08 310.86 431.75 690.79 -37.83 -55.24	60.31



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0553	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	725.07 -12.09 453.33 272.00 72.53 326.40 453.33 725.33 -39.27 -57.40	60.31
08 14 16 00-0554	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	782.66 -13.24 496.52 297.91 79.44 357.50 496.52 794.44 -42.15 -61.72	60.31
08 14 16 00-0555	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	587.41 -9.63 360.94 216.56 57.75 259.88 360.94 577.50 -32.02 -46.71 101.06	53.07
08 14 16 00-0556	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	587.41 -9.63 360.94 216.56 57.75 259.88 360.94 577.50 -32.02 -46.71 101.06	53.07
08 14 16 00-0557	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	592.37 -9.63 361.05 216.63 57.77 259.96 361.05 577.68 -32.39 -47.20 101.09	55.49
08 14 16 00-0558	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	597.34 -9.73 364.78 218.87 58.36 262.64 364.78 583.64 -32.64 -47.57 102.14	55.49
08 14 16 00-0559	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	610.30 -9.99 374.50 224.70 59.92 269.64 374.50 599.20 -33.29 -48.55 104.86	55.49
08 14 16 00-0560	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	628.08 -10.25 384.21 230.53 61.47 276.63 384.21 614.74 -34.30 -50.00 107.58	57.90

08 Openings
08 10 Doors And Frames
08 14 Wood Doors



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 14 16 00-0561	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For Up To 1' Extra Height, Add	661.74 -10.92 409.46 245.67 65.51 294.81 409.46 655.13 -35.98 -52.53 114.65	57.90
08 14 16 00-0562	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For Up To 1' Extra Height, Add	808.55 -13.76 515.94 309.56 82.55 371.48 515.94 825.50 -43.44 -63.66 144.46	60.31
08 14 16 00-0563	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For Up To 1' Extra Height, Add	842.94 -14.45 541.73 325.04 86.68 390.05 541.73 866.77 -45.16 -66.24 151.69	60.31
08 14 16 00-0564	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For Up To 1' Extra Height, Add	911.75 -15.82 593.34 356.00 94.93 427.20 593.34 949.34 -48.60 -71.40 166.14	60.31
08 14 16 00-0565 Lauan Faced Wood Doors <small>(08 14 16 00-0440)</small>				
08 14 16 00-0566	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	259.11 18.35 82.59 114.71 183.54 -15.61 -22.09	53.07
08 14 16 00-0567	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	259.11 18.35 82.59 114.71 183.54 -15.61 -22.09	53.07
08 14 16 00-0568	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	264.36 18.41 82.83 115.04 184.07 -15.99 -22.60	55.49
08 14 16 00-0569	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	268.77 18.94 85.21 118.35 189.36 -16.21 -22.93	55.49
08 14 16 00-0570	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	270.37 19.13 86.08 119.55 191.28 -16.29 -23.05	55.49



Openings	08	08
Doors And Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0571 EA 3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	276.79 19.32 86.93 120.74 193.19 -16.73 -23.65	57.90
08 14 16 00-0572 EA 3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	291.34 21.06 94.79 131.66 210.65 -17.46 -24.75	57.90
08 14 16 00-0573 EA 3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	308.69 22.57 101.55 141.05 225.67 -18.45 -26.17	60.31
08 14 16 00-0574 EA 3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	318.09 23.70 106.63 148.10 236.95 -18.92 -26.87	60.31
08 14 16 00-0575 EA 4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	336.91 25.95 116.79 162.21 259.54 -19.86 -28.28	60.31
08 14 16 00-0576 EA 2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	268.01 19.42 87.40 121.39 194.22 -16.05 -22.75	53.07
08 14 16 00-0577 EA 2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	268.01 19.42 87.40 121.39 194.22 -16.05 -22.75	53.07
08 14 16 00-0578 EA 2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	273.29 19.48 87.65 121.74 194.78 -16.44 -23.27	55.49
08 14 16 00-0579 EA 2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	277.95 20.04 90.17 125.24 200.38 -16.67 -23.62	55.49
08 14 16 00-0580 EA 2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	279.65 20.24 91.09 126.51 202.42 -16.76 -23.75	55.49
08 14 16 00-0581 EA 3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	286.16 20.44 91.99 127.77 204.43 -17.20 -24.36	57.90
08 14 16 00-0582 EA 3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	301.55 22.29 100.31 139.31 222.90 -17.97 -25.51	57.90

08 Openings
08 10 Doors And Frames
08 14 Wood Doors



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0583 EA 3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	319.63	60.31
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	23.88	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	107.46	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	149.25	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	238.80	
<i>For >50 To 100, Deduct</i>	-19.00	
<i>For >100, Deduct</i>	-26.99	
08 14 16 00-0584 EA 3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	329.58	60.31
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	25.07	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	112.83	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	156.71	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	250.74	
<i>For >50 To 100, Deduct</i>	-19.49	
<i>For >100, Deduct</i>	-27.73	
08 14 16 00-0585 EA 4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	349.50	60.31
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	27.46	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	123.59	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	171.65	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	274.64	
<i>For >50 To 100, Deduct</i>	-20.49	
<i>For >100, Deduct</i>	-29.23	
08 14 16 00-0586 EA 2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	299.56	53.07
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	23.21	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	104.44	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	145.05	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	232.08	
<i>For >50 To 100, Deduct</i>	-17.63	
<i>For >100, Deduct</i>	-25.12	
<i>For Up To 1' Extra Height, Add</i>	40.61	
08 14 16 00-0587 EA 2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	299.56	53.07
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	23.21	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	104.44	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	145.05	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	232.08	
<i>For >50 To 100, Deduct</i>	-17.63	
<i>For >100, Deduct</i>	-25.12	
<i>For Up To 1' Extra Height, Add</i>	40.61	
08 14 16 00-0588 EA 2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	304.93	55.49
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	23.28	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	104.74	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	145.47	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	232.75	
<i>For >50 To 100, Deduct</i>	-18.02	
<i>For >100, Deduct</i>	-25.64	
<i>For Up To 1' Extra Height, Add</i>	40.73	
08 14 16 00-0589 EA 2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	310.51	55.49
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	23.94	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	107.75	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	149.66	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	239.45	
<i>For >50 To 100, Deduct</i>	-18.30	
<i>For >100, Deduct</i>	-26.06	
<i>For Up To 1' Extra Height, Add</i>	41.90	
08 14 16 00-0590 EA 2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	312.55	55.49
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	24.19	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	108.85	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	151.19	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	241.90	
<i>For >50 To 100, Deduct</i>	-18.40	
<i>For >100, Deduct</i>	-26.22	
<i>For Up To 1' Extra Height, Add</i>	42.33	
08 14 16 00-0591 EA 3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	319.39	57.90
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	24.43	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	109.94	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	152.69	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	244.31	
<i>For >50 To 100, Deduct</i>	-18.86	
<i>For >100, Deduct</i>	-26.85	
<i>For Up To 1' Extra Height, Add</i>	42.75	
08 14 16 00-0592 EA 3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	337.78	57.90
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	26.64	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	119.87	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	166.49	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	266.38	
<i>For >50 To 100, Deduct</i>	-19.78	
<i>For >100, Deduct</i>	-28.23	
<i>For Up To 1' Extra Height, Add</i>	46.62	
08 14 16 00-0593 EA 3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	358.44	60.31
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	28.54	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	128.42	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	178.36	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	285.37	
<i>For >50 To 100, Deduct</i>	-20.94	
<i>For >100, Deduct</i>	-29.90	
<i>For Up To 1' Extra Height, Add</i>	49.94	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0594	EA		3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	370.32 29.96 134.83 187.27 299.63 -21.53 -30.79 52.43	60.31
08 14 16 00-0595	EA		4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	394.13 32.82 147.69 205.13 328.20 -22.72 -32.58 57.44	60.31
08 14 16 00-0596 Medium Density Overlay (MDO) Wood Doors (08 14 16 00-0440)					
08 14 16 00-0597	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	265.60 119.58 71.75 19.13 -15.93 -22.57	53.07
08 14 16 00-0598	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	265.60 119.58 71.75 19.13 -15.93 -22.57	53.07
08 14 16 00-0599	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	279.65 126.51 75.91 20.24 -16.76 -23.75	55.49
08 14 16 00-0600	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	288.86 133.42 80.05 21.35 -17.22 -24.44	55.49
08 14 16 00-0601	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	290.57 134.70 80.82 21.55 -17.30 -24.57	55.49
08 14 16 00-0602	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	297.14 136.01 81.60 21.76 -17.75 -25.18	57.90
08 14 16 00-0603	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	317.13 151.00 90.60 24.16 -18.75 -26.68	57.90
08 14 16 00-0604	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	358.46 178.37 107.02 28.54 -20.94 -29.90	60.31
08 14 16 00-0605	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	370.37 187.31 112.38 29.97 -21.53 -30.79	60.31
08 14 16 00-0606	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	394.13 205.13 123.08 32.82 -22.72 -32.58	60.31
08 14 16 00-0607	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	274.89 126.55 75.93 20.25 -16.40 -23.27	53.07

08	Openings
08 10	Doors And Frames
08 14	Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0608	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	274.89	53.07
			<i>For Stave Lumber Core (SLC), Add</i>	126.55	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	75.93	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	20.25	
			<i>For >50 To 100, Deduct</i>	-16.40	
			<i>For >100, Deduct</i>	-23.27	
08 14 16 00-0609	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	289.47	55.49
			<i>For Stave Lumber Core (SLC), Add</i>	133.88	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	80.33	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	21.42	
			<i>For >50 To 100, Deduct</i>	-17.25	
			<i>For >100, Deduct</i>	-24.48	
08 14 16 00-0610	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	299.22	55.49
			<i>For Stave Lumber Core (SLC), Add</i>	141.19	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	84.71	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	22.59	
			<i>For >50 To 100, Deduct</i>	-17.74	
			<i>For >100, Deduct</i>	-25.22	
08 14 16 00-0611	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	301.03	55.49
			<i>For Stave Lumber Core (SLC), Add</i>	142.55	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	85.53	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	22.81	
			<i>For >50 To 100, Deduct</i>	-17.83	
			<i>For >100, Deduct</i>	-25.35	
08 14 16 00-0612	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	307.70	57.90
			<i>For Stave Lumber Core (SLC), Add</i>	143.93	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	86.36	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	23.03	
			<i>For >50 To 100, Deduct</i>	-18.28	
			<i>For >100, Deduct</i>	-25.97	
08 14 16 00-0613	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	328.84	57.90
			<i>For Stave Lumber Core (SLC), Add</i>	159.78	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	95.87	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	25.56	
			<i>For >50 To 100, Deduct</i>	-19.34	
			<i>For >100, Deduct</i>	-27.56	
08 14 16 00-0614	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	372.30	60.31
			<i>For Stave Lumber Core (SLC), Add</i>	188.75	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	113.25	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	30.20	
			<i>For >50 To 100, Deduct</i>	-21.63	
			<i>For >100, Deduct</i>	-30.94	
08 14 16 00-0615	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	384.89	60.31
			<i>For Stave Lumber Core (SLC), Add</i>	198.20	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	118.92	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	31.71	
			<i>For >50 To 100, Deduct</i>	-22.26	
			<i>For >100, Deduct</i>	-31.88	
08 14 16 00-0616	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	410.05	60.31
			<i>For Stave Lumber Core (SLC), Add</i>	217.07	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	130.24	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	34.73	
			<i>For >50 To 100, Deduct</i>	-23.52	
			<i>For >100, Deduct</i>	-33.77	
08 14 16 00-0617	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	307.79	53.07
			<i>For Stave Lumber Core (SLC), Add</i>	151.22	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	90.73	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	24.20	
			<i>For >50 To 100, Deduct</i>	-18.04	
			<i>For >100, Deduct</i>	-25.74	
			<i>For Up To 1' Extra Height, Add</i>	42.34	
08 14 16 00-0618	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	307.79	53.07
			<i>For Stave Lumber Core (SLC), Add</i>	151.22	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	90.73	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	24.20	
			<i>For >50 To 100, Deduct</i>	-18.04	
			<i>For >100, Deduct</i>	-25.74	
			<i>For Up To 1' Extra Height, Add</i>	42.34	
08 14 16 00-0619	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	324.28	55.49
			<i>For Stave Lumber Core (SLC), Add</i>	159.98	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	95.99	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	25.60	
			<i>For >50 To 100, Deduct</i>	-18.99	
			<i>For >100, Deduct</i>	-27.10	
			<i>For Up To 1' Extra Height, Add</i>	44.80	
08 14 16 00-0620	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	335.94	55.49
			<i>For Stave Lumber Core (SLC), Add</i>	168.73	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	101.24	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	27.00	
			<i>For >50 To 100, Deduct</i>	-19.57	
			<i>For >100, Deduct</i>	-27.97	
			<i>For Up To 1' Extra Height, Add</i>	47.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0621 EA 2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	338.10	55.49
For Stave Lumber Core (SLC), Add	170.35	
For Structural Composite Lumber Core (SCLC), Add	102.21	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	27.26	
For >50 To 100, Deduct	-19.68	
For >100, Deduct	-28.13	
For Up To 1' Extra Height, Add	47.70	
08 14 16 00-0622 EA 3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	345.13	57.90
For Stave Lumber Core (SLC), Add	172.00	
For Structural Composite Lumber Core (SCLC), Add	103.20	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	27.52	
For >50 To 100, Deduct	-20.15	
For >100, Deduct	-28.78	
For Up To 1' Extra Height, Add	48.16	
08 14 16 00-0623 EA 3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	370.39	57.90
For Stave Lumber Core (SLC), Add	190.94	
For Structural Composite Lumber Core (SCLC), Add	114.57	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	30.55	
For >50 To 100, Deduct	-21.41	
For >100, Deduct	-30.67	
For Up To 1' Extra Height, Add	53.46	
08 14 16 00-0624 EA 3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	421.37	60.31
For Stave Lumber Core (SLC), Add	225.56	
For Structural Composite Lumber Core (SCLC), Add	135.33	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	36.09	
For >50 To 100, Deduct	-24.08	
For >100, Deduct	-34.62	
For Up To 1' Extra Height, Add	63.16	
08 14 16 00-0625 EA 3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	436.43	60.31
For Stave Lumber Core (SLC), Add	236.85	
For Structural Composite Lumber Core (SCLC), Add	142.11	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	37.90	
For >50 To 100, Deduct	-24.84	
For >100, Deduct	-35.75	
For Up To 1' Extra Height, Add	66.32	
08 14 16 00-0626 EA 4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	466.49	60.31
For Stave Lumber Core (SLC), Add	259.40	
For Structural Composite Lumber Core (SCLC), Add	155.64	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	41.50	
For >50 To 100, Deduct	-26.34	
For >100, Deduct	-38.00	
For Up To 1' Extra Height, Add	72.63	
08 14 16 00-0627 Manufacturer Prefinished Options For Flush Wood Doors (08 14 16)		
08 14 16 00-0628 EA Clear Or Colored Catalyzed Polyurethane Factory Finish For Flush Wood Door	40.84	
Note: Includes any standard manufacturer color on six sides.		
For Custom Color To Match Non Standard Manufacturer Finish, Add	13.60	
08 14 23 Clad Wood Doors (08 14)		
08 14 23 13 Metal-Faced Wood Doors (08 14 23)		
See CSI section 08 70 00 00-0000 for finish hardware.		
08 14 23 13-0001 24 Gauge Metal Clad Door, 1-3/4" Thick, Solid Staved Wood Core (08 14 23 13)		
08 14 23 13-0002 EA 2' 6" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	585.80	118.69
08 14 23 13-0003 EA 2' 8" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	626.68	130.28
08 14 23 13-0004 EA 2' 10" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	674.04	143.78
08 14 23 13-0005 EA 3'-0" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	703.94	148.61
08 14 23 13-0006 EA 3' 4" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	754.07	163.57
08 14 23 13-0007 EA 3' 8" x 7' x 1-3/4" Thick, Metal Clad Door, Solid Staved Wood Core, Flush Type Door	815.41	168.87
08 14 23 16 Plastic-Laminate-Faced Wood Doors (08 14 23)		
08 14 23 16-0001 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Doors (08 14 23 16)		
Note: PC = Particleboard, MDF, or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 23 16-0002 EA 2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	202.20	53.07
For Structural Composite Lumber Core (SCLC), Add	43.22	
For 5 Ply Construction, Add	3.36	
For >50 To 100, Deduct	-12.76	
For >100, Deduct	-17.82	
08 14 23 16-0003 EA 2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	202.20	53.07
For Structural Composite Lumber Core (SCLC), Add	43.22	
For 5 Ply Construction, Add	3.36	
For >50 To 100, Deduct	-12.76	
For >100, Deduct	-17.82	

08 Openings

08 10 Doors And Frames

08 14 Wood Doors



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 14 23 16-0004	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For 5 Ply Construction, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	212.29 45.59 3.55 -13.39 -18.70	55.49
08 14 23 16-0005	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For 5 Ply Construction, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	217.57 47.97 3.73 -13.65 -19.09	55.49
08 14 23 16-0006	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For 5 Ply Construction, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	220.23 49.17 3.82 -13.79 -19.29	55.49
08 14 23 16-0007	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For 5 Ply Construction, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	227.71 50.36 3.92 -14.28 -19.97	57.90
08 14 23 16-0008	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For 5 Ply Construction, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	240.02 55.90 4.35 -14.90 -20.90	57.90
08 14 23 16-0009	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For 5 Ply Construction, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	252.80 59.48 4.63 -15.66 -21.98	60.31
08 14 23 16-0010	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For 5 Ply Construction, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	207.78 45.73 3.56 -13.04 -18.24	53.07
08 14 23 16-0011	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For 5 Ply Construction, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	207.78 45.73 3.56 -13.04 -18.24	53.07
08 14 23 16-0012	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For 5 Ply Construction, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	218.19 48.25 3.75 -13.68 -19.14	55.49
08 14 23 16-0013	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For 5 Ply Construction, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	223.77 50.76 3.95 -13.96 -19.56	55.49
08 14 23 16-0014	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For 5 Ply Construction, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	226.59 52.03 4.05 -14.10 -19.77	55.49
08 14 23 16-0015	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For 5 Ply Construction, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	234.23 53.29 4.15 -14.61 -20.46	57.90
08 14 23 16-0016	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For 5 Ply Construction, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	247.25 59.15 4.60 -15.26 -21.44	57.90
08 14 23 16-0017	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For 5 Ply Construction, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	260.49 62.94 4.90 -16.04 -22.55	60.31



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0018 EA 2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	227.60	53.07
<i>For Structural Composite Lumber Core (SCLC), Add</i>	54.65	
<i>For 5 Ply Construction, Add</i>	4.25	
<i>For >50 To 100, Deduct</i>	-14.03	
<i>For >100, Deduct</i>	-19.72	
08 14 23 16-0019 EA 2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	227.60	53.07
<i>For Structural Composite Lumber Core (SCLC), Add</i>	54.65	
<i>For 5 Ply Construction, Add</i>	4.25	
<i>For >50 To 100, Deduct</i>	-14.03	
<i>For >100, Deduct</i>	-19.72	
08 14 23 16-0020 EA 2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	239.09	55.49
<i>For Structural Composite Lumber Core (SCLC), Add</i>	57.65	
<i>For 5 Ply Construction, Add</i>	4.48	
<i>For >50 To 100, Deduct</i>	-14.73	
<i>For >100, Deduct</i>	-20.71	
08 14 23 16-0021 EA 2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	245.77	55.49
<i>For Structural Composite Lumber Core (SCLC), Add</i>	60.66	
<i>For 5 Ply Construction, Add</i>	4.72	
<i>For >50 To 100, Deduct</i>	-15.06	
<i>For >100, Deduct</i>	-21.21	
08 14 23 16-0022 EA 2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	249.14	55.49
<i>For Structural Composite Lumber Core (SCLC), Add</i>	62.18	
<i>For 5 Ply Construction, Add</i>	4.84	
<i>For >50 To 100, Deduct</i>	-15.23	
<i>For >100, Deduct</i>	-21.46	
08 14 23 16-0023 EA 3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	257.32	57.90
<i>For Structural Composite Lumber Core (SCLC), Add</i>	63.68	
<i>For 5 Ply Construction, Add</i>	4.95	
<i>For >50 To 100, Deduct</i>	-15.76	
<i>For >100, Deduct</i>	-22.19	
08 14 23 16-0024 EA 3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	272.88	57.90
<i>For Structural Composite Lumber Core (SCLC), Add</i>	70.69	
<i>For 5 Ply Construction, Add</i>	5.50	
<i>For >50 To 100, Deduct</i>	-16.54	
<i>For >100, Deduct</i>	-23.36	
08 14 23 16-0025 EA 3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	287.76	60.31
<i>For Structural Composite Lumber Core (SCLC), Add</i>	75.21	
<i>For 5 Ply Construction, Add</i>	5.85	
<i>For >50 To 100, Deduct</i>	-17.40	
<i>For >100, Deduct</i>	-24.60	
08 14 23 16-0026 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Doors <small>(08 14 23 16)</small>		
Note: PC = Particleboard, MDF, or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 23 16-0027 EA 2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	269.78	53.07
<i>For 5 Ply Construction, Add</i>	5.73	
<i>For Stave Lumber Core (SLC), Add</i>	122.72	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	73.63	
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	19.63	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	88.35	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	122.72	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	196.34	
<i>For >50 To 100, Deduct</i>	-16.14	
<i>For >100, Deduct</i>	-22.89	
08 14 23 16-0028 EA 2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	269.77	53.07
<i>For 5 Ply Construction, Add</i>	5.73	
<i>For Stave Lumber Core (SLC), Add</i>	122.71	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	73.62	
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	19.63	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	88.35	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	122.71	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	196.33	
<i>For >50 To 100, Deduct</i>	-16.14	
<i>For >100, Deduct</i>	-22.89	

08	Openings
08 10	Doors And Frames
08 14	Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0029	EA		2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	279.70	55.49
			For 5 Ply Construction, Add	5.91	
			For Stave Lumber Core (SLC), Add	126.55	
			For Structural Composite Lumber Core (SCLC), Add	75.93	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	20.25	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	91.11	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	126.55	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	202.48	
			For >50 To 100, Deduct	-16.76	
			For >100, Deduct	-23.75	
08 14 23 16-0030	EA		2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	279.70	55.49
			For 5 Ply Construction, Add	5.91	
			For Stave Lumber Core (SLC), Add	126.55	
			For Structural Composite Lumber Core (SCLC), Add	75.93	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	20.25	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	91.11	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	126.55	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	202.48	
			For >50 To 100, Deduct	-16.76	
			For >100, Deduct	-23.75	
08 14 23 16-0031	EA		2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	289.83	55.49
			For 5 Ply Construction, Add	6.26	
			For Stave Lumber Core (SLC), Add	134.15	
			For Structural Composite Lumber Core (SCLC), Add	80.49	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	21.46	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	96.58	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	134.15	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	214.63	
			For >50 To 100, Deduct	-17.27	
			For >100, Deduct	-24.51	
08 14 23 16-0032	EA		3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	304.79	57.90
			For 5 Ply Construction, Add	6.61	
			For Stave Lumber Core (SLC), Add	141.74	
			For Structural Composite Lumber Core (SCLC), Add	85.05	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.68	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	102.05	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	141.74	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	226.79	
			For >50 To 100, Deduct	-18.13	
			For >100, Deduct	-25.75	
08 14 23 16-0033	EA		3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	315.15	57.90
			For 5 Ply Construction, Add	6.98	
			For Stave Lumber Core (SLC), Add	149.51	
			For Structural Composite Lumber Core (SCLC), Add	89.71	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.92	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	107.65	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	149.51	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	239.22	
			For >50 To 100, Deduct	-18.65	
			For >100, Deduct	-26.53	
08 14 23 16-0034	EA		3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	325.15	60.31
			For 5 Ply Construction, Add	7.16	
			For Stave Lumber Core (SLC), Add	153.39	
			For Structural Composite Lumber Core (SCLC), Add	92.03	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.54	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	110.44	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	153.39	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	245.42	
			For >50 To 100, Deduct	-19.27	
			For >100, Deduct	-27.40	
08 14 23 16-0035	EA		3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	335.37	60.31
			For 5 Ply Construction, Add	7.52	
			For Stave Lumber Core (SLC), Add	161.06	
			For Structural Composite Lumber Core (SCLC), Add	96.63	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.77	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	115.96	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	161.06	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	257.69	
			For >50 To 100, Deduct	-19.78	
			For >100, Deduct	-28.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0036 EA 4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	365.48	65.14
<i>For 5 Ply Construction, Add</i>	8.23	
<i>For Stave Lumber Core (SLC), Add</i>	176.40	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	105.84	
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	28.22	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	127.01	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	176.40	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	282.24	
<i>For >50 To 100, Deduct</i>	-21.53	
<i>For >100, Deduct</i>	-30.67	
08 14 23 16-0037 EA 2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	279.30	53.07
<i>For 5 Ply Construction, Add</i>	6.06	
<i>For Stave Lumber Core (SLC), Add</i>	129.86	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	77.91	
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	20.78	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	93.50	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	129.86	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	207.77	
<i>For >50 To 100, Deduct</i>	-16.62	
<i>For >100, Deduct</i>	-23.60	
08 14 23 16-0038 EA 2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	279.29	53.07
<i>For 5 Ply Construction, Add</i>	6.06	
<i>For Stave Lumber Core (SLC), Add</i>	129.85	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	77.91	
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	20.78	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	93.49	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	129.85	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	207.76	
<i>For >50 To 100, Deduct</i>	-16.62	
<i>For >100, Deduct</i>	-23.60	
08 14 23 16-0039 EA 2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	289.52	55.49
<i>For 5 Ply Construction, Add</i>	6.25	
<i>For Stave Lumber Core (SLC), Add</i>	133.91	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	80.35	
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	21.43	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	96.42	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	133.91	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	214.26	
<i>For >50 To 100, Deduct</i>	-17.25	
<i>For >100, Deduct</i>	-24.49	
08 14 23 16-0040 EA 2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	289.52	55.49
<i>For 5 Ply Construction, Add</i>	6.25	
<i>For Stave Lumber Core (SLC), Add</i>	133.91	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	80.35	
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	21.43	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	96.42	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	133.91	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	214.26	
<i>For >50 To 100, Deduct</i>	-17.25	
<i>For >100, Deduct</i>	-24.49	
08 14 23 16-0041 EA 2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	300.24	55.49
<i>For 5 Ply Construction, Add</i>	6.62	
<i>For Stave Lumber Core (SLC), Add</i>	141.95	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	85.17	
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	22.71	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	102.21	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	141.95	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	227.12	
<i>For >50 To 100, Deduct</i>	-17.79	
<i>For >100, Deduct</i>	-25.29	
08 14 23 16-0042 EA 3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	315.79	57.90
<i>For 5 Ply Construction, Add</i>	7.00	
<i>For Stave Lumber Core (SLC), Add</i>	149.99	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	90.00	
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	24.00	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	107.99	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	149.99	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	239.99	
<i>For >50 To 100, Deduct</i>	-18.68	
<i>For >100, Deduct</i>	-26.58	

08	Openings
08 10	Doors And Frames
08 14	Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0043	EA		3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	326.75	57.90
			For 5 Ply Construction, Add	7.38	
			For Stave Lumber Core (SLC), Add	158.21	
			For Structural Composite Lumber Core (SCLC), Add	94.93	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.31	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	113.91	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	158.21	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	253.14	
			For >50 To 100, Deduct	-19.23	
			For >100, Deduct	-27.40	
08 14 23 16-0044	EA		3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	337.05	60.31
			For 5 Ply Construction, Add	7.57	
			For Stave Lumber Core (SLC), Add	162.32	
			For Structural Composite Lumber Core (SCLC), Add	97.39	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.97	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	116.87	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	162.32	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	259.70	
			For >50 To 100, Deduct	-19.87	
			For >100, Deduct	-28.29	
08 14 23 16-0045	EA		3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	347.87	60.31
			For 5 Ply Construction, Add	7.95	
			For Stave Lumber Core (SLC), Add	170.43	
			For Structural Composite Lumber Core (SCLC), Add	102.26	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	27.27	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	122.71	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	170.43	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	272.69	
			For >50 To 100, Deduct	-20.41	
			For >100, Deduct	-29.11	
08 14 23 16-0046	EA		4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	379.16	65.14
			For 5 Ply Construction, Add	8.71	
			For Stave Lumber Core (SLC), Add	186.66	
			For Structural Composite Lumber Core (SCLC), Add	112.00	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.87	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	134.40	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	186.66	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	298.66	
			For >50 To 100, Deduct	-22.22	
			For >100, Deduct	-31.69	
08 14 23 16-0047	EA		2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	313.06	53.07
			For 5 Ply Construction, Add	7.24	
			For Stave Lumber Core (SLC), Add	155.18	
			For Structural Composite Lumber Core (SCLC), Add	93.11	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.83	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	111.73	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	155.18	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	248.28	
			For >50 To 100, Deduct	-18.31	
			For >100, Deduct	-26.13	
08 14 23 16-0048	EA		2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	313.05	53.07
			For 5 Ply Construction, Add	7.24	
			For Stave Lumber Core (SLC), Add	155.17	
			For Structural Composite Lumber Core (SCLC), Add	93.10	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.83	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	111.72	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	155.17	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	248.27	
			For >50 To 100, Deduct	-18.31	
			For >100, Deduct	-26.13	
08 14 23 16-0049	EA		2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	324.33	55.49
			For 5 Ply Construction, Add	7.47	
			For Stave Lumber Core (SLC), Add	160.02	
			For Structural Composite Lumber Core (SCLC), Add	96.01	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.60	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	115.21	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	160.02	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	256.03	
			For >50 To 100, Deduct	-18.99	
			For >100, Deduct	-27.10	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0050	EA			2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	324.33	55.49
				For 5 Ply Construction, Add	7.47	
				For Stave Lumber Core (SLC), Add	160.02	
				For Structural Composite Lumber Core (SCLC), Add	96.01	
				For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.60	
				For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	115.21	
				For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	160.02	
				For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	256.03	
				For >50 To 100, Deduct	-18.99	
				For >100, Deduct	-27.10	
08 14 23 16-0051	EA			2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	337.14	55.49
				For 5 Ply Construction, Add	7.92	
				For Stave Lumber Core (SLC), Add	169.63	
				For Structural Composite Lumber Core (SCLC), Add	101.78	
				For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	27.14	
				For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	122.13	
				For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	169.63	
				For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	271.40	
				For >50 To 100, Deduct	-19.63	
				For >100, Deduct	-28.06	
08 14 23 16-0052	EA			3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	354.79	57.90
				For 5 Ply Construction, Add	8.36	
				For Stave Lumber Core (SLC), Add	179.24	
				For Structural Composite Lumber Core (SCLC), Add	107.55	
				For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	28.68	
				For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	129.05	
				For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	179.24	
				For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	286.79	
				For >50 To 100, Deduct	-20.63	
				For >100, Deduct	-29.50	
08 14 23 16-0053	EA			3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	367.88	57.90
				For 5 Ply Construction, Add	8.82	
				For Stave Lumber Core (SLC), Add	189.06	
				For Structural Composite Lumber Core (SCLC), Add	113.44	
				For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	30.25	
				For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	136.12	
				For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	189.06	
				For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	302.50	
				For >50 To 100, Deduct	-21.29	
				For >100, Deduct	-30.49	
08 14 23 16-0054	EA			3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	379.25	60.31
				For 5 Ply Construction, Add	9.05	
				For Stave Lumber Core (SLC), Add	193.97	
				For Structural Composite Lumber Core (SCLC), Add	116.38	
				For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	31.03	
				For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	139.65	
				For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	193.97	
				For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	310.34	
				For >50 To 100, Deduct	-21.98	
				For >100, Deduct	-31.46	
08 14 23 16-0055	EA			3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	392.18	60.31
				For 5 Ply Construction, Add	9.50	
				For Stave Lumber Core (SLC), Add	203.66	
				For Structural Composite Lumber Core (SCLC), Add	122.20	
				For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	32.59	
				For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	146.64	
				For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	203.66	
				For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	325.86	
				For >50 To 100, Deduct	-22.62	
				For >100, Deduct	-32.43	
08 14 23 16-0056	EA			4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	427.69	65.14
				For 5 Ply Construction, Add	10.41	
				For Stave Lumber Core (SLC), Add	223.06	
				For Structural Composite Lumber Core (SCLC), Add	133.83	
				For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	35.69	
				For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	160.60	
				For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	223.06	
				For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	356.89	
				For >50 To 100, Deduct	-24.64	
				For >100, Deduct	-35.33	

08 14 23 19 Molded-Hardboard-Faced Wood Doors (08 14 23)

08 14 23 19-0001 1-3/8" Thick, Hollow Core (HC), Hardboard (HDF) Faced Wood Doors (08 14 23)

08 14 23 19-0002	EA			2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door	197.16	53.07
				For >50 To 100, Deduct	-12.51	
				For >100, Deduct	-17.44	

08	Openings
08 10	Doors And Frames
08 14	Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0003	EA		2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door.....	197.16	53.07
			<i>For >50 To 100, Deduct</i>	-12.51	
			<i>For >100, Deduct</i>	-17.44	
08 14 23 19-0004	EA		2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door.....	208.61	55.49
			<i>For >50 To 100, Deduct</i>	-13.20	
			<i>For >100, Deduct</i>	-18.42	
08 14 23 19-0005	EA		2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door.....	211.77	55.49
			<i>For >50 To 100, Deduct</i>	-13.36	
			<i>For >100, Deduct</i>	-18.66	
08 14 23 19-0006	EA		2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door.....	214.91	55.49
			<i>For >50 To 100, Deduct</i>	-13.52	
			<i>For >100, Deduct</i>	-18.89	
08 14 23 19-0007	EA		3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door.....	222.90	57.90
			<i>For >50 To 100, Deduct</i>	-14.04	
			<i>For >100, Deduct</i>	-19.61	
08 14 23 19-0008	EA		3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door.....	234.65	57.90
			<i>For >50 To 100, Deduct</i>	-14.63	
			<i>For >100, Deduct</i>	-20.49	
08 14 23 19-0009	EA		3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door.....	247.10	60.31
			<i>For >50 To 100, Deduct</i>	-15.37	
			<i>For >100, Deduct</i>	-21.55	
08 14 23 19-0010	EA		2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door.....	202.45	53.07
			<i>For >50 To 100, Deduct</i>	-12.78	
			<i>For >100, Deduct</i>	-17.84	
08 14 23 19-0011	EA		2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door.....	202.45	53.07
			<i>For >50 To 100, Deduct</i>	-12.78	
			<i>For >100, Deduct</i>	-17.84	
08 14 23 19-0012	EA		2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door.....	214.29	55.49
			<i>For >50 To 100, Deduct</i>	-13.49	
			<i>For >100, Deduct</i>	-18.85	
08 14 23 19-0013	EA		2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door.....	217.63	55.49
			<i>For >50 To 100, Deduct</i>	-13.66	
			<i>For >100, Deduct</i>	-19.10	
08 14 23 19-0014	EA		2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door.....	220.96	55.49
			<i>For >50 To 100, Deduct</i>	-13.82	
			<i>For >100, Deduct</i>	-19.35	
08 14 23 19-0015	EA		3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door.....	229.12	57.90
			<i>For >50 To 100, Deduct</i>	-14.35	
			<i>For >100, Deduct</i>	-20.08	
08 14 23 19-0016	EA		3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door.....	241.56	57.90
			<i>For >50 To 100, Deduct</i>	-14.97	
			<i>For >100, Deduct</i>	-21.01	
08 14 23 19-0017	EA		3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door.....	254.45	60.31
			<i>For >50 To 100, Deduct</i>	-15.74	
			<i>For >100, Deduct</i>	-22.10	
08 14 23 19-0018	EA		2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door.....	221.24	53.07
			<i>For >50 To 100, Deduct</i>	-13.72	
			<i>For >100, Deduct</i>	-19.25	
08 14 23 19-0019	EA		2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door.....	221.24	53.07
			<i>For >50 To 100, Deduct</i>	-13.72	
			<i>For >100, Deduct</i>	-19.25	
08 14 23 19-0020	EA		2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door.....	234.45	55.49
			<i>For >50 To 100, Deduct</i>	-14.50	
			<i>For >100, Deduct</i>	-20.36	
08 14 23 19-0021	EA		2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door.....	238.42	55.49
			<i>For >50 To 100, Deduct</i>	-14.70	
			<i>For >100, Deduct</i>	-20.66	
08 14 23 19-0022	EA		2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door.....	242.42	55.49
			<i>For >50 To 100, Deduct</i>	-14.90	
			<i>For >100, Deduct</i>	-20.96	
08 14 23 19-0023	EA		3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door.....	251.21	57.90
			<i>For >50 To 100, Deduct</i>	-15.46	
			<i>For >100, Deduct</i>	-21.74	
08 14 23 19-0024	EA		3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door.....	266.08	57.90
			<i>For >50 To 100, Deduct</i>	-16.20	
			<i>For >100, Deduct</i>	-22.85	
08 14 23 19-0025	EA		3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door.....	280.54	60.31
			<i>For >50 To 100, Deduct</i>	-17.04	
			<i>For >100, Deduct</i>	-24.06	
08 14 23 19-0026			1-3/4" Thick, Hollow Core (HC), Hardboard (HDF) Faced Wood Doors <small>(08 14 23 19)</small>		
08 14 23 19-0027	EA		2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door.....	219.55	53.07
			<i>For >50 To 100, Deduct</i>	-13.63	
			<i>For >100, Deduct</i>	-19.12	
08 14 23 19-0028	EA		2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door.....	219.55	53.07
			<i>For >50 To 100, Deduct</i>	-13.63	
			<i>For >100, Deduct</i>	-19.12	
08 14 23 19-0029	EA		2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door.....	227.50	55.49
			<i>For >50 To 100, Deduct</i>	-14.15	
			<i>For >100, Deduct</i>	-19.84	
08 14 23 19-0030	EA		2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door.....	233.82	55.49
			<i>For >50 To 100, Deduct</i>	-14.47	
			<i>For >100, Deduct</i>	-20.31	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0031	EA			2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	236.98 -14.62 -20.55	55.49
08 14 23 19-0032	EA			3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	244.92 -15.14 -21.26	57.90
08 14 23 19-0033	EA			3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	252.12 -15.50 -21.80	57.90
08 14 23 19-0034	EA			3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	280.37 -17.03 -24.04	60.31
08 14 23 19-0035	EA			3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	288.35 -17.43 -24.64	60.31
08 14 23 19-0036	EA			4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	304.35 -18.23 -25.84	60.31
08 14 23 19-0037	EA			2'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	226.14 -13.96 -19.61	53.07
08 14 23 19-0038	EA			2'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	226.14 -13.96 -19.61	53.07
08 14 23 19-0039	EA			2'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	234.28 -14.49 -20.35	55.49
08 14 23 19-0040	EA			2'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	240.97 -14.82 -20.85	55.49
08 14 23 19-0041	EA			2'-10" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	244.30 -14.99 -21.10	55.49
08 14 23 19-0042	EA			3'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	252.44 -15.52 -21.83	57.90
08 14 23 19-0043	EA			3'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	260.06 -15.90 -22.40	57.90
08 14 23 19-0044	EA			3'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	289.68 -17.50 -24.74	60.31
08 14 23 19-0045	EA			3'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	298.13 -17.92 -25.38	60.31
08 14 23 19-0046	EA			4'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	315.03 -18.77 -26.64	60.31
08 14 23 19-0047	EA			2'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	249.54 -15.13 -21.37	53.07
08 14 23 19-0048	EA			2'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	249.54 -15.13 -21.37	53.07
08 14 23 19-0049	EA			2'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	258.34 -15.69 -22.15	55.49
08 14 23 19-0050	EA			2'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	266.32 -16.09 -22.75	55.49
08 14 23 19-0051	EA			2'-10" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	270.29 -16.29 -23.05	55.49
08 14 23 19-0052	EA			3'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	279.09 -16.85 -23.83	57.90
08 14 23 19-0053	EA			3'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	288.18 -17.30 -24.51	57.90
08 14 23 19-0054	EA			3'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	322.65 -19.15 -27.21	60.31
08 14 23 19-0055	EA			3'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	332.74 -19.65 -27.97	60.31
08 14 23 19-0056	EA			4'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	352.95 -20.66 -29.49	60.31

08 14 23 19-0057 1-3/8" Thick, Particleboard Core (PC), Hardboard (HDF) Faced Wood Doors

(08 14 23 19)

Note: PC = Particleboard, MDF, or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08	Openings
08 10	Doors And Frames
08 14	Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0058	EA		2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door.....	233.05	53.07
			<i>For >50 To 100, Deduct</i>	-14.31	
			<i>For >100, Deduct</i>	-20.13	
08 14 23 19-0059	EA		2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door.....	233.05	53.07
			<i>For >50 To 100, Deduct</i>	-14.31	
			<i>For >100, Deduct</i>	-20.13	
08 14 23 19-0060	EA		2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door.....	245.23	55.49
			<i>For >50 To 100, Deduct</i>	-15.04	
			<i>For >100, Deduct</i>	-21.17	
08 14 23 19-0061	EA		2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door.....	252.58	55.49
			<i>For >50 To 100, Deduct</i>	-15.40	
			<i>For >100, Deduct</i>	-21.72	
08 14 23 19-0062	EA		2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door	253.93	55.49
			<i>For >50 To 100, Deduct</i>	-15.47	
			<i>For >100, Deduct</i>	-21.82	
08 14 23 19-0063	EA		3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door.....	260.13	57.90
			<i>For >50 To 100, Deduct</i>	-15.90	
			<i>For >100, Deduct</i>	-22.40	
08 14 23 19-0064	EA		3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door.....	276.05	57.90
			<i>For >50 To 100, Deduct</i>	-16.70	
			<i>For >100, Deduct</i>	-23.60	
08 14 23 19-0065	EA		3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door.....	309.91	60.31
			<i>For >50 To 100, Deduct</i>	-18.51	
			<i>For >100, Deduct</i>	-26.26	
08 14 23 19-0066	EA		2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door.....	240.45	53.07
			<i>For >50 To 100, Deduct</i>	-14.68	
			<i>For >100, Deduct</i>	-20.69	
08 14 23 19-0067	EA		2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door.....	240.45	53.07
			<i>For >50 To 100, Deduct</i>	-14.68	
			<i>For >100, Deduct</i>	-20.69	
08 14 23 19-0068	EA		2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door.....	253.05	55.49
			<i>For >50 To 100, Deduct</i>	-15.43	
			<i>For >100, Deduct</i>	-21.75	
08 14 23 19-0069	EA		2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door.....	260.81	55.49
			<i>For >50 To 100, Deduct</i>	-15.81	
			<i>For >100, Deduct</i>	-22.34	
08 14 23 19-0070	EA		2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door.....	262.26	55.49
			<i>For >50 To 100, Deduct</i>	-15.89	
			<i>For >100, Deduct</i>	-22.44	
08 14 23 19-0071	EA		3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door.....	268.53	57.90
			<i>For >50 To 100, Deduct</i>	-16.32	
			<i>For >100, Deduct</i>	-23.03	
08 14 23 19-0072	EA		3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door.....	285.39	57.90
			<i>For >50 To 100, Deduct</i>	-17.16	
			<i>For >100, Deduct</i>	-24.30	
08 14 23 19-0073	EA		3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door.....	320.93	60.31
			<i>For >50 To 100, Deduct</i>	-19.06	
			<i>For >100, Deduct</i>	-27.09	
08 14 23 19-0074	EA		2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door.....	266.63	53.07
			<i>For >50 To 100, Deduct</i>	-15.99	
			<i>For >100, Deduct</i>	-22.65	
08 14 23 19-0075	EA		2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door.....	266.63	53.07
			<i>For >50 To 100, Deduct</i>	-15.99	
			<i>For >100, Deduct</i>	-22.65	
08 14 23 19-0076	EA		2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door.....	280.75	55.49
			<i>For >50 To 100, Deduct</i>	-16.81	
			<i>For >100, Deduct</i>	-23.83	
08 14 23 19-0077	EA		2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door.....	290.04	55.49
			<i>For >50 To 100, Deduct</i>	-17.28	
			<i>For >100, Deduct</i>	-24.53	
08 14 23 19-0078	EA		2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door.....	291.75	55.49
			<i>For >50 To 100, Deduct</i>	-17.36	
			<i>For >100, Deduct</i>	-24.66	
08 14 23 19-0079	EA		3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door.....	298.32	57.90
			<i>For >50 To 100, Deduct</i>	-17.81	
			<i>For >100, Deduct</i>	-25.27	
08 14 23 19-0080	EA		3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door.....	318.46	57.90
			<i>For >50 To 100, Deduct</i>	-18.82	
			<i>For >100, Deduct</i>	-26.78	
08 14 23 19-0081	EA		3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door.....	360.00	60.31
			<i>For >50 To 100, Deduct</i>	-21.02	
			<i>For >100, Deduct</i>	-30.02	
08 14 23 19-0082			1-3/4" Thick, Particleboard Core (PC), Hardboard (HDF) Faced Wood Doors <small>(08 14 23 19)</small>		
			Note: PC = Particleboard, MDF, or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 23 19-0083	EA		2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door.....	265.60	53.07
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	19.13	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	86.10	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	119.58	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	191.33	
			<i>For >50 To 100, Deduct</i>	-15.93	
			<i>For >100, Deduct</i>	-22.57	



Openings	08	08
Doors And Frames	08 10	
Wood Doors	08 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0084	EA		2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	265.60 19.13 86.10 119.58 191.33 -15.93 -22.57	53.07
08 14 23 19-0085	EA		2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	279.65 20.24 91.09 126.51 202.42 -16.76 -23.75	55.49
08 14 23 19-0086	EA		2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	288.86 21.35 96.06 133.42 213.47 -17.22 -24.44	55.49
08 14 23 19-0087	EA		2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	290.57 21.55 96.98 134.70 215.52 -17.30 -24.57	55.49
08 14 23 19-0088	EA		3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	297.14 21.76 97.92 136.01 217.61 -17.75 -25.18	57.90
08 14 23 19-0089	EA		3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	317.13 24.16 108.72 151.00 241.60 -18.75 -26.68	57.90
08 14 23 19-0090	EA		3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	358.46 28.54 128.43 178.37 285.40 -20.94 -29.90	60.31
08 14 23 19-0091	EA		3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	370.37 29.97 134.86 187.31 299.69 -21.53 -30.79	60.31
08 14 23 19-0092	EA		4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	394.13 32.82 147.69 205.13 328.20 -22.72 -32.58	60.31
08 14 23 19-0093	EA		2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	274.89 20.25 91.11 126.55 202.48 -16.40 -23.27	53.07
08 14 23 19-0094	EA		2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	274.89 20.25 91.11 126.55 202.48 -16.40 -23.27	53.07
08 14 23 19-0095	EA		2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	289.47 21.42 96.39 133.88 214.20 -17.25 -24.48	55.49

08 Openings
08 10 Doors And Frames
08 14 Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0096	EA		2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door.....	299.22	55.49
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	22.59	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	101.66	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	141.19	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	225.90	
			<i>For >50 To 100, Deduct</i>	-17.74	
			<i>For >100, Deduct</i>	-25.22	
08 14 23 19-0097	EA		2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door.....	301.03	55.49
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	22.81	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	102.63	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	142.55	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	228.07	
			<i>For >50 To 100, Deduct</i>	-17.83	
			<i>For >100, Deduct</i>	-25.35	
08 14 23 19-0098	EA		3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door.....	307.70	57.90
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	23.03	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	103.63	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	143.93	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	230.28	
			<i>For >50 To 100, Deduct</i>	-18.28	
			<i>For >100, Deduct</i>	-25.97	
08 14 23 19-0099	EA		3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door.....	328.84	57.90
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	25.56	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	115.04	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	159.78	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	255.65	
			<i>For >50 To 100, Deduct</i>	-19.34	
			<i>For >100, Deduct</i>	-27.56	
08 14 23 19-0100	EA		3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door.....	372.30	60.31
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	30.20	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	135.90	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	188.75	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	302.00	
			<i>For >50 To 100, Deduct</i>	-21.63	
			<i>For >100, Deduct</i>	-30.94	
08 14 23 19-0101	EA		3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door.....	384.89	60.31
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	31.71	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	142.70	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	198.20	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	317.11	
			<i>For >50 To 100, Deduct</i>	-22.26	
			<i>For >100, Deduct</i>	-31.88	
08 14 23 19-0102	EA		4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door.....	410.05	60.31
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	34.73	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	156.29	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	217.07	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	347.30	
			<i>For >50 To 100, Deduct</i>	-23.52	
			<i>For >100, Deduct</i>	-33.77	
08 14 23 19-0103	EA		2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door.....	307.79	53.07
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	24.20	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	108.88	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	151.22	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	241.96	
			<i>For >50 To 100, Deduct</i>	-18.04	
			<i>For >100, Deduct</i>	-25.74	
08 14 23 19-0104	EA		2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door.....	307.79	53.07
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	24.20	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	108.88	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	151.22	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	241.96	
			<i>For >50 To 100, Deduct</i>	-18.04	
			<i>For >100, Deduct</i>	-25.74	
08 14 23 19-0105	EA		2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door.....	324.28	55.49
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	25.60	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	115.19	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	159.98	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	255.97	
			<i>For >50 To 100, Deduct</i>	-18.99	
			<i>For >100, Deduct</i>	-27.10	
08 14 23 19-0106	EA		2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door.....	335.94	55.49
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	27.00	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	121.48	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	168.73	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	269.96	
			<i>For >50 To 100, Deduct</i>	-19.57	
			<i>For >100, Deduct</i>	-27.97	
08 14 23 19-0107	EA		2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door.....	338.10	55.49
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	27.26	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	122.65	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	170.35	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	272.56	
			<i>For >50 To 100, Deduct</i>	-19.68	
			<i>For >100, Deduct</i>	-28.13	



Openings	08	08
Doors And Frames	08 10	
Wood Doors	08 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23	19-0108	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door..... <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	345.13 27.52 123.84 172.00 275.20 -20.15 -28.78	57.90
08 14 23	19-0109	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door..... <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	370.39 30.55 137.48 190.94 305.51 -21.41 -30.67	57.90
08 14 23	19-0110	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door..... <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	421.37 36.09 162.40 225.56 360.89 -24.08 -34.62	60.31
08 14 23	19-0111	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door..... <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	436.43 37.90 170.53 236.85 378.96 -24.84 -35.75	60.31
08 14 23	19-0112	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Hardboard (HDF) Faced Wood Door..... <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	466.49 41.50 186.76 259.40 415.03 -26.34 -38.00	60.31

08 14 66 Wood Screen Doors (08 14)

08 14 66 00-0001	Wood Screen Storm Door, Residential Grade (08 14 66)			
Note: Includes frame, trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).				
08 14 66 00-0002	EA	2'-8" x 6'-8" Wood Screen Door, Residential, With Frame, Trim, Hardware.....	435.02	138.96
08 14 66 00-0003	EA	3' x 6'-8" Wood Screen Door, Residential, With Frame, Trim, Hardware	456.46	154.40
08 14 66 00-0004	EA	2'-8" x 7" Wood Screen Door, Residential, With Frame, Trim, Hardware	435.02	138.96
08 14 66 00-0005	EA	3' x 7" Wood Screen Door, Residential, With Frame, Trim, Hardware	456.46	154.40

08 14 73 Sliding Wood Doors (08 14)

08 14 73 00-0001	Sliding Pocket Door (08 14 73)			
Note: Includes unfinished door, frame and trim, and all mounting and door hardware. See CSI section 08 14 73 00-0055 for accessories to be added.				
08 14 73 00-0002	Birch Faced Pocket Door (08 14 73 00-0001)			
Note: Includes door, frame and trim, and all mounting and door hardware.				
08 14 73 00-0003	1-3/8" Thick, Birch Faced Wood Pocket Door (08 14 73 00-0002)			
See CSI section 08 14 73 00-0055 for all jamba and track hardware.				
08 14 73 00-0004	6'-8" High, 1-3/8" Thick, Birch Faced Wood Pocket Door (08 14 73 00-0003)			
08 14 73 00-0005	EA	2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	471.72 111.55 162.48 236.85 385.18	33.78
08 14 73 00-0006	EA	2'-4" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	486.34 114.26 166.42 242.59 394.52	36.19
08 14 73 00-0007	EA	2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	503.41 117.64 171.34 249.77 406.20	38.60
08 14 73 00-0008	EA	2'-8" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	515.58 119.67 174.30 254.08 413.20	41.02
08 14 73 00-0009	EA	2'-10" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	532.67 123.05 179.22 261.26 424.88	43.43

08	Openings
08 10	Doors And Frames
08 14	Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0010	EA		3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	547.30	45.83
			<i>For Oak, Add</i>	125.75	
			<i>For Ash/Hickory, Add</i>	183.16	
			<i>For Walnut, Add</i>	267.00	
			<i>For Cherry, Add</i>	434.22	
08 14 73 00-0011	EA		4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	929.00	60.31
			<i>For Oak, Add</i>	223.11	
			<i>For Ash/Hickory, Add</i>	324.96	
			<i>For Walnut, Add</i>	473.70	
			<i>For Cherry, Add</i>	770.38	
08 14 73 00-0012	EA		5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	982.73	65.14
			<i>For Oak, Add</i>	235.28	
			<i>For Ash/Hickory, Add</i>	342.69	
			<i>For Walnut, Add</i>	499.54	
			<i>For Cherry, Add</i>	812.39	
08 14 73 00-0013	EA		6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,051.19	69.97
			<i>For Oak, Add</i>	251.51	
			<i>For Ash/Hickory, Add</i>	366.32	
			<i>For Walnut, Add</i>	533.99	
			<i>For Cherry, Add</i>	868.42	
08 14 73 00-0014			7' High, 1-3/8" Thick Birch Faced Wood Pocket Door <small>(08 14 73 00-0003)</small>		
08 14 73 00-0015	EA		2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	557.46	33.78
			<i>For Oak, Add</i>	114.64	
			<i>For Ash/Hickory, Add</i>	114.64	
			<i>For Walnut, Add</i>	188.62	
			<i>For Cherry, Add</i>	354.21	
08 14 73 00-0016	EA		2'-4" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	584.33	36.19
			<i>For Oak, Add</i>	119.80	
			<i>For Ash/Hickory, Add</i>	119.80	
			<i>For Walnut, Add</i>	197.11	
			<i>For Cherry, Add</i>	370.15	
08 14 73 00-0017	EA		2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	603.84	38.60
			<i>For Oak, Add</i>	123.24	
			<i>For Ash/Hickory, Add</i>	123.24	
			<i>For Walnut, Add</i>	202.76	
			<i>For Cherry, Add</i>	380.78	
08 14 73 00-0018	EA		2'-8" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	620.91	41.02
			<i>For Oak, Add</i>	126.10	
			<i>For Ash/Hickory, Add</i>	126.10	
			<i>For Walnut, Add</i>	207.48	
			<i>For Cherry, Add</i>	389.63	
08 14 73 00-0019	EA		2'-10" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	635.55	43.43
			<i>For Oak, Add</i>	128.40	
			<i>For Ash/Hickory, Add</i>	128.40	
			<i>For Walnut, Add</i>	211.25	
			<i>For Cherry, Add</i>	396.72	
08 14 73 00-0020	EA		3'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	655.08	45.83
			<i>For Oak, Add</i>	131.84	
			<i>For Ash/Hickory, Add</i>	131.84	
			<i>For Walnut, Add</i>	216.91	
			<i>For Cherry, Add</i>	407.35	
08 14 73 00-0021	EA		4' Wide, Two 2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,100.47	60.31
			<i>For Oak, Add</i>	229.28	
			<i>For Ash/Hickory, Add</i>	229.28	
			<i>For Walnut, Add</i>	377.24	
			<i>For Cherry, Add</i>	708.42	
08 14 73 00-0022	EA		5' Wide, Two 2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,183.60	65.14
			<i>For Oak, Add</i>	246.48	
			<i>For Ash/Hickory, Add</i>	246.48	
			<i>For Walnut, Add</i>	405.53	
			<i>For Cherry, Add</i>	761.56	
08 14 73 00-0023	EA		6' Wide, Two 3' x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,266.76	69.97
			<i>For Oak, Add</i>	263.68	
			<i>For Ash/Hickory, Add</i>	263.68	
			<i>For Walnut, Add</i>	433.83	
			<i>For Cherry, Add</i>	814.69	
08 14 73 00-0024			1-3/4" Thick, Birch Faced Wood Pocket Door <small>(08 14 73 00-0002)</small>		
			See CSI section 08 14 73 00-0055 for all jambs and track hardware.		
08 14 73 00-0025			6'-8" High, 1-3/4" Thick Birch Faced Wood Pocket Door <small>(08 14 73 00-0024)</small>		
08 14 73 00-0026	EA		2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	704.44	33.78
			<i>For Oak, Add</i>	149.03	
			<i>For Ash/Hickory, Add</i>	149.03	
			<i>For Walnut, Add</i>	245.21	
			<i>For Cherry, Add</i>	460.48	
08 14 73 00-0027	EA		2'-4" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	738.65	36.19
			<i>For Oak, Add</i>	155.91	
			<i>For Ash/Hickory, Add</i>	155.91	
			<i>For Walnut, Add</i>	256.52	
			<i>For Cherry, Add</i>	481.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0028 EA 2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	758.17	38.60
<i>For Oak, Add</i>	159.35	
<i>For Ash/Hickory, Add</i>	159.35	
<i>For Walnut, Add</i>	262.18	
<i>For Cherry, Add</i>	492.36	
08 14 73 00-0029 EA 2'-8" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	780.14	41.02
<i>For Oak, Add</i>	163.36	
<i>For Ash/Hickory, Add</i>	163.36	
<i>For Walnut, Add</i>	268.78	
<i>For Cherry, Add</i>	504.76	
08 14 73 00-0030 EA 2'-10" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	799.67	43.43
<i>For Oak, Add</i>	166.80	
<i>For Ash/Hickory, Add</i>	166.80	
<i>For Walnut, Add</i>	274.44	
<i>For Cherry, Add</i>	515.38	
08 14 73 00-0031 EA 3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	819.20	45.83
<i>For Oak, Add</i>	170.24	
<i>For Ash/Hickory, Add</i>	170.24	
<i>For Walnut, Add</i>	280.10	
<i>For Cherry, Add</i>	526.00	
08 14 73 00-0032 EA 4' Wide, Two 2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,394.42	60.31
<i>For Oak, Add</i>	298.07	
<i>For Ash/Hickory, Add</i>	298.07	
<i>For Walnut, Add</i>	490.41	
<i>For Cherry, Add</i>	920.95	
08 14 73 00-0033 EA 5' Wide, Two 2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,492.25	65.14
<i>For Oak, Add</i>	318.70	
<i>For Ash/Hickory, Add</i>	318.70	
<i>For Walnut, Add</i>	524.36	
<i>For Cherry, Add</i>	984.71	
08 14 73 00-0034 EA 6' Wide, Two 3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,595.00	69.97
<i>For Oak, Add</i>	340.48	
<i>For Ash/Hickory, Add</i>	340.48	
<i>For Walnut, Add</i>	560.20	
<i>For Cherry, Add</i>	1,052.01	
08 14 73 00-0035 7' High, 1-3/4" Thick Birch Faced Wood Pocket Door <small>(08 14 73 00-0024)</small>		
08 14 73 00-0036 EA 2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	753.43	33.78
<i>For Oak, Add</i>	160.50	
<i>For Ash/Hickory, Add</i>	160.50	
<i>For Walnut, Add</i>	264.07	
<i>For Cherry, Add</i>	495.90	
08 14 73 00-0037 EA 2'-4" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	792.54	36.19
<i>For Oak, Add</i>	168.52	
<i>For Ash/Hickory, Add</i>	168.52	
<i>For Walnut, Add</i>	277.27	
<i>For Cherry, Add</i>	520.69	
08 14 73 00-0038 EA 2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	814.51	38.60
<i>For Oak, Add</i>	172.54	
<i>For Ash/Hickory, Add</i>	172.54	
<i>For Walnut, Add</i>	283.87	
<i>For Cherry, Add</i>	533.09	
08 14 73 00-0039 EA 2'-8" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	836.48	41.02
<i>For Oak, Add</i>	176.55	
<i>For Ash/Hickory, Add</i>	176.55	
<i>For Walnut, Add</i>	290.47	
<i>For Cherry, Add</i>	545.49	
08 14 73 00-0040 EA 2'-10" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	856.01	43.43
<i>For Oak, Add</i>	179.99	
<i>For Ash/Hickory, Add</i>	179.99	
<i>For Walnut, Add</i>	296.13	
<i>For Cherry, Add</i>	556.11	
08 14 73 00-0041 EA 3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	877.99	45.83
<i>For Oak, Add</i>	184.00	
<i>For Ash/Hickory, Add</i>	184.00	
<i>For Walnut, Add</i>	302.73	
<i>For Cherry, Add</i>	568.51	
08 14 73 00-0042 EA 4' Wide, Two 2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,492.41	60.31
<i>For Oak, Add</i>	321.00	
<i>For Ash/Hickory, Add</i>	321.00	
<i>For Walnut, Add</i>	528.14	
<i>For Cherry, Add</i>	991.80	
08 14 73 00-0043 EA 5' Wide, Two 2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,604.93	65.14
<i>For Oak, Add</i>	345.07	
<i>For Ash/Hickory, Add</i>	345.07	
<i>For Walnut, Add</i>	567.74	
<i>For Cherry, Add</i>	1,066.18	
08 14 73 00-0044 EA 6' Wide, Two 3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,712.58	69.97
<i>For Oak, Add</i>	368.00	
<i>For Ash/Hickory, Add</i>	368.00	
<i>For Walnut, Add</i>	605.47	
<i>For Cherry, Add</i>	1,137.02	

08 14 73 00-0045 8' High, 1-3/4" Thick Birch Faced Wood Pocket Door (08 14 73 00-0024)

08 Openings**08 10 Doors And Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0046	EA		2'-0" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	802.42	33.78
			For Oak, Add	171.96	
			For Ash/Hickory, Add	171.96	
			For Walnut, Add	282.93	
			For Cherry, Add	531.32	
08 14 73 00-0047	EA		2'-4" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	841.53	36.19
			For Oak, Add	179.99	
			For Ash/Hickory, Add	179.99	
			For Walnut, Add	296.13	
			For Cherry, Add	556.11	
08 14 73 00-0048	EA		2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	865.95	38.60
			For Oak, Add	184.57	
			For Ash/Hickory, Add	184.57	
			For Walnut, Add	303.68	
			For Cherry, Add	570.28	
08 14 73 00-0049	EA		2'-8" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	890.37	41.02
			For Oak, Add	189.16	
			For Ash/Hickory, Add	189.16	
			For Walnut, Add	311.22	
			For Cherry, Add	584.45	
08 14 73 00-0050	EA		2'-10" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	909.91	43.43
			For Oak, Add	192.60	
			For Ash/Hickory, Add	192.60	
			For Walnut, Add	316.88	
			For Cherry, Add	595.08	
08 14 73 00-0051	EA		3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	934.33	45.83
			For Oak, Add	197.18	
			For Ash/Hickory, Add	197.18	
			For Walnut, Add	324.42	
			For Cherry, Add	609.24	
08 14 73 00-0052	EA		4' Wide, Two 2'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,590.39	60.31
			For Oak, Add	343.92	
			For Ash/Hickory, Add	343.92	
			For Walnut, Add	565.86	
			For Cherry, Add	1,062.64	
08 14 73 00-0053	EA		5' Wide, Two 2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,707.81	65.14
			For Oak, Add	369.14	
			For Ash/Hickory, Add	369.14	
			For Walnut, Add	607.35	
			For Cherry, Add	1,140.56	
08 14 73 00-0054	EA		6' Wide, Two 3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,825.26	69.97
			For Oak, Add	394.36	
			For Ash/Hickory, Add	394.36	
			For Walnut, Add	648.85	
			For Cherry, Add	1,218.49	
08 14 73 00-0055			Accessories (08 14 73 00-0001)		
08 14 73 00-0056			Jamb Replacement (08 14 73 00-0055)		
08 14 73 00-0057	EA		4-9/16 Or 4-3/4" Birch Jamb Replacement For Pocket Doors.....	102.51	
			For Oak, Add	6.13	
			For Ash/Hickory, Add	9.60	
			For Walnut, Add	21.00	
			For Cherry, Add	33.26	
08 14 73 00-0058	EA		5-1/4" Birch Jamb Replacement For Pocket Doors.....	104.26	
			For Oak, Add	6.33	
			For Ash/Hickory, Add	9.91	
			For Walnut, Add	21.68	
			For Cherry, Add	34.33	
08 14 73 00-0059	EA		6-9/16" Or 6-3/4" Birch Jamb Replacement For Pocket Doors	115.63	
			For Oak, Add	7.61	
			For Ash/Hickory, Add	11.93	
			For Walnut, Add	26.08	
			For Cherry, Add	41.30	
08 14 73 00-0060			Track And Hardware Replacement Kits (08 14 73 00-0055)		
			Note: For double doors, use 2 appropriate sized hardware and 1 converging kit.		
08 14 73 00-0061	EA		Up To 2'-6" x 6'-8" Door Track And Hardware Replacement For Pocket Door	262.14	
08 14 73 00-0062	EA		2'-8" x 6'-8" Door Track And Hardware Replacement For Pocket Door	264.51	
08 14 73 00-0063	EA		3'-0" x 6'-8" Door Track And Hardware Replacement For Pocket Door	269.26	
08 14 73 00-0064	EA		Up To 2'-6" x 7' Door Track And Hardware Replacement For Pocket Door	314.32	
08 14 73 00-0065	EA		2'-8" x 7' Door Track And Hardware Replacement For Pocket Door	316.70	
08 14 73 00-0066	EA		3'-0" x 7' Door Track And Hardware Replacement For Pocket Door	321.44	
08 14 73 00-0067	EA		Up To 2'-6" x 8' Door Track And Hardware	338.04	
08 14 73 00-0068	EA		2'-8" x 8' Door Track And Hardware Replacement For Pocket Door	340.42	
08 14 73 00-0069	EA		3'-0" x 8' Door Track And Hardware Replacement For Pocket Door	345.16	
08 14 73 00-0070	EA		Double Door Converging Kit For Pocket Door	38.20	
08 14 73 00-0071			Bi-Pass Doors (08 14 73)		
			Note: Includes unfinished doors, fascia track, hangers, door guide, door stop, and pulls. 125 LB maximum door weight (each opening).		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0072 Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors <small>(08 14 73 00-0071)</small>						
	08 14 73 00-0073	EA		4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors.....	300.91	77.17
	08 14 73 00-0074	EA		5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors.....	328.89	82.00
	08 14 73 00-0075	EA		6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors.....	357.15	86.82
	08 14 73 00-0076	EA		8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors.....	473.53	91.65
08 14 73 00-0077 Flush, Hollow Core (HC), Luan Faced Wood Bi-Pass Doors <small>(08 14 73 00-0071)</small>						
	08 14 73 00-0078	EA		4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Pass Doors.....	283.94	77.17
	08 14 73 00-0079	EA		5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Pass Doors.....	302.41	82.00
	08 14 73 00-0080	EA		6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Pass Doors.....	328.02	86.82
	08 14 73 00-0081	EA		8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Pass Doors.....	439.57	91.65
08 14 73 00-0082 Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors <small>(08 14 73 00-0071)</small>						
	08 14 73 00-0083	EA		4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors.....	301.39	77.17
	08 14 73 00-0084	EA		5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors.....	327.71	82.00
	08 14 73 00-0085	EA		6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors.....	355.19	86.82
	08 14 73 00-0086	EA		8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors.....	474.48	91.65
08 14 76 Bifolding Wood Doors <small>(08 14)</small>						
08 14 76 00-0001 Bi-Fold Wood Doors <small>(08 14 76)</small>						
Note: Includes doors, track, top and bottom pivots, door guide, track stop, panel hinge, bottom pivot bracket, top pivot lock, and 4-door aligner (when necessary). Excludes door frame and knobs.						
08 14 76 00-0002 Flush, Hollow Core (HC), Luan Faced Wood Bi-Fold Doors <small>(08 14 76 00-0001)</small>						
	08 14 76 00-0003	EA		2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Fold Doors.....	157.31	57.88
	08 14 76 00-0004	EA		2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Fold Doors.....	166.96	62.71
	08 14 76 00-0005	EA		2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Fold Doors.....	179.39	67.53
	08 14 76 00-0006	EA		3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Fold Doors.....	189.03	72.36
	08 14 76 00-0007	EA		4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Fold Doors.....	234.11	77.17
	08 14 76 00-0008	EA		5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Fold Doors.....	243.76	82.00
	08 14 76 00-0009	EA		6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Fold Doors.....	259.27	86.82
08 14 76 00-0010 Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors <small>(08 14 76 00-0001)</small>						
	08 14 76 00-0011	EA		2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors.....	164.10	57.88
	08 14 76 00-0012	EA		2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors.....	175.97	62.71
	08 14 76 00-0013	EA		2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors.....	189.89	67.53
	08 14 76 00-0014	EA		3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors.....	199.53	72.36
	08 14 76 00-0015	EA		4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors.....	248.62	77.17
	08 14 76 00-0016	EA		5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors.....	266.39	82.00
	08 14 76 00-0017	EA		6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors.....	284.99	86.82
08 14 76 00-0018 Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors <small>(08 14 76 00-0001)</small>						
	08 14 76 00-0019	EA		2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	164.41	57.88
	08 14 76 00-0020	EA		2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	180.31	62.71
	08 14 76 00-0021	EA		2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	193.89	67.53
	08 14 76 00-0022	EA		3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	203.53	72.36
	08 14 76 00-0023	EA		4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	252.13	77.17
	08 14 76 00-0024	EA		5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	263.18	82.00
	08 14 76 00-0025	EA		6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	284.99	86.82
08 14 76 00-0026 Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors <small>(08 14 76 00-0001)</small>						
	08 14 76 00-0027	EA		2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	365.95	57.88
	08 14 76 00-0028	EA		2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	416.03	62.71
	08 14 76 00-0029	EA		2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	472.66	67.53
	08 14 76 00-0030	EA		3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	482.30	72.36
	08 14 76 00-0031	EA		4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	654.74	77.17
	08 14 76 00-0032	EA		5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	745.23	82.00
	08 14 76 00-0033	EA		6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	848.83	86.82
08 14 76 00-0034 Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors <small>(08 14 76 00-0001)</small>						
	08 14 76 00-0035	EA		2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	458.82	57.88
	08 14 76 00-0036	EA		2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	497.97	62.71
	08 14 76 00-0037	EA		2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	543.67	67.53
	08 14 76 00-0038	EA		3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	553.31	72.36
	08 14 76 00-0039	EA		4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	840.47	77.17
	08 14 76 00-0040	EA		5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	909.12	82.00
	08 14 76 00-0041	EA		6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	990.86	86.82

08	Openings
08 10	Doors And Frames
08 14	Wood Doors



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 76 00-0042	Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors <small>(08 14 76 00-0001)</small>			
08 14 76 00-0043	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	159.70	57.88
08 14 76 00-0044	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	172.14	62.71
08 14 76 00-0045	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	187.69	67.53
08 14 76 00-0046	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	192.36	72.36
08 14 76 00-0047	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	230.18	77.17
08 14 76 00-0048	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	247.62	82.00
08 14 76 00-0049	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	274.12	86.82

08 15 Plastic Doors (08 10)

Note: Includes machining for all hardware, except mortised locks. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 15 13 Laminated Plastic Doors (08 15)

See CSI section 08 70 00 00-0000 for finish hardware.

08 15 13 00-0001	Laminated Plastic Doors <small>(08 15 13)</small>			
Note: 0.125" acrylic/PVC thermoplastic face sheet over 1-1/2" x 1-1/2" x 16 gauge welded steel tube framework and a core of resin impregnated Kraft honeycomb (Urethane insulation). Panel capping channel to be 304 stainless steel.				
08 15 13 00-0002	EA	Door, Plastic Clad 1-3/8", 1/6 X 6/8	250.55	48.25
08 15 13 00-0003	EA	Door, Plastic Clad 1-3/4", 1/6 X 6/8	250.55	48.25
08 15 13 00-0004	EA	Door, Plastic Clad 1-3/8", 1/6 X 7/0	250.55	48.25
08 15 13 00-0005	EA	Door, Plastic Clad 1-3/4", 1/6 X 7/0	250.55	48.25
08 15 13 00-0006	EA	Door, Plastic Clad 1-3/8", 2/0 X 6/8	260.21	53.07
08 15 13 00-0007	EA	Door, Plastic Clad 1-3/4", 2/0 X 6/8	260.21	53.07
08 15 13 00-0008	EA	Door, Plastic Clad 1-3/8", 2/0 X 7/0	260.21	53.07
08 15 13 00-0009	EA	Door, Plastic Clad 1-3/4", 2/0 X 7/0	260.21	53.07
08 15 13 00-0010	EA	Door, Plastic Clad 1-3/8", 2/6 X 6/8	280.93	55.49
08 15 13 00-0011	EA	Door, Plastic Clad 1-3/4", 2/6 X 6/8	280.93	55.49
08 15 13 00-0012	EA	Door, Plastic Clad 1-3/8", 2/6 X 7/0	280.93	53.07
08 15 13 00-0013	EA	Door, Plastic Clad 1-3/4", 2/6 X 7/0	280.93	55.49
08 15 13 00-0014	EA	Door, Plastic Clad 1-3/8", 3/0 X 6/8	301.67	57.90
08 15 13 00-0015	EA	Door, Plastic Clad 1-3/4", 3/0 X 6/8	301.67	57.90
08 15 13 00-0016	EA	Door, Plastic Clad 1-3/8", 3/0 X 7/0	301.67	57.90
08 15 13 00-0017	EA	Door, Plastic Clad 1-3/4", 3/0 X 7/0	301.67	57.90
08 15 13 00-0018	EA	Door, Plastic Clad 1-3/8", 3/6 X 6/8	331.62	60.31
08 15 13 00-0019	EA	Door, Plastic Clad 1-3/4", 3/6 X 6/8	331.62	60.31
08 15 13 00-0020	EA	Door, Plastic Clad 1-3/8", 3/6 X 7/0	331.62	60.31
08 15 13 00-0021	EA	Door, Plastic Clad 1-3/4", 3/6 X 7/0	331.62	60.31
08 15 13 00-0022	EA	Door, Plastic Clad 1-3/8", 4/0 X 6/8	373.92	65.14
08 15 13 00-0023	EA	Door, Plastic Clad 1-3/4", 4/0 X 6/8	373.92	65.14
08 15 13 00-0024	EA	Door, Plastic Clad 1-3/8", 4/0 X 7/0	373.92	65.14
08 15 13 00-0025	EA	Door, Plastic Clad 1-3/4", 4/0 X 7/0	373.92	65.14

08 16 Composite Doors (08 10)

Note: Includes machining for all hardware. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 16 13 Fiberglass Doors (08 16)

See CSI section 08 70 00 00-0000 for finish hardware.

08 16 13 00-0001	Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Frames And Doors <small>(08 16 13)</small>			
08 16 13 00-0002	Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0001)</small>			
08 16 13 00-0003	Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0002)</small>			
Note: White, tan, brown or gray finish. Includes factory hardware prep and 25 Mil resin rich gel coat.				
08 16 13 00-0004	Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0003)</small>			
Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.				
08 16 13 00-0005	6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0004)</small>			
08 16 13 00-0006	EA	3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	2,009.95	57.90
		For Custom Color Finish, Add	103.09	
		For Stainless Steel Continuous Hinge, Add	229.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0007 EA 3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,144.88 103.09 229.46	60.31
08 16 13 00-0008 EA 4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,350.78 103.09 229.46	65.14
08 16 13 00-0009 7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0004)		
08 16 13 00-0010 EA 3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,009.95 103.09 229.46	57.90
08 16 13 00-0011 EA 3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,197.80 103.09 229.46	60.31
08 16 13 00-0012 EA 4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,407.00 103.09 229.46	65.14
08 16 13 00-0013 Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0003) Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0014 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0013)		
08 16 13 00-0015 6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0014)		
08 16 13 00-0016 EA 3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,380.40 103.09 229.46	57.90
08 16 13 00-0017 EA 3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,430.43 103.09 229.46	60.31
08 16 13 00-0018 EA 4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,769.74 103.09 229.46	65.14
08 16 13 00-0019 7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0014)		
08 16 13 00-0020 EA 3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,380.40 103.09 229.46	57.90
08 16 13 00-0021 EA 3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,602.43 103.09 229.46	60.31
08 16 13 00-0022 EA 4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,833.68 103.09 229.46	65.14
08 16 13 00-0023 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0013)		
08 16 13 00-0024 6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0023)		
08 16 13 00-0025 EA 3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,380.40 103.09 229.46	57.90
08 16 13 00-0026 EA 3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,430.43 103.09 229.46	60.31
08 16 13 00-0027 EA 4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,769.74 103.09 229.46	65.14
08 16 13 00-0028 7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0023)		

08	Openings
08 10	Doors And Frames
08 16	Composite Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0029	EA		3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,380.40	57.90
			<i>For Custom Color Finish, Add</i>	103.09	
			<i>For Stainless Steel Continuous Hinge, Add</i>	229.46	
08 16 13 00-0030	EA		3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,602.43	60.31
			<i>For Custom Color Finish, Add</i>	103.09	
			<i>For Stainless Steel Continuous Hinge, Add</i>	229.46	
08 16 13 00-0031	EA		4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,833.68	65.14
			<i>For Custom Color Finish, Add</i>	103.09	
			<i>For Stainless Steel Continuous Hinge, Add</i>	229.46	
08 16 13 00-0032			90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0013)		
08 16 13 00-0033			6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0032)		
08 16 13 00-0034	EA		3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,380.40	57.90
			<i>For Custom Color Finish, Add</i>	103.09	
			<i>For Stainless Steel Continuous Hinge, Add</i>	229.46	
08 16 13 00-0035	EA		3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,430.43	60.31
			<i>For Custom Color Finish, Add</i>	103.09	
			<i>For Stainless Steel Continuous Hinge, Add</i>	229.46	
08 16 13 00-0036	EA		4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,769.74	65.14
			<i>For Custom Color Finish, Add</i>	103.09	
			<i>For Stainless Steel Continuous Hinge, Add</i>	229.46	
08 16 13 00-0037			7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0032)		
08 16 13 00-0038	EA		3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,380.40	57.90
			<i>For Custom Color Finish, Add</i>	103.09	
			<i>For Stainless Steel Continuous Hinge, Add</i>	229.46	
08 16 13 00-0039	EA		3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,602.43	60.31
			<i>For Custom Color Finish, Add</i>	103.09	
			<i>For Stainless Steel Continuous Hinge, Add</i>	229.46	
08 16 13 00-0040	EA		4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,833.68	65.14
			<i>For Custom Color Finish, Add</i>	103.09	
			<i>For Stainless Steel Continuous Hinge, Add</i>	229.46	
08 16 13 00-0041			Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0003) Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0042			6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0041)		
08 16 13 00-0043	EA		3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,123.51	57.90
			<i>For Custom Color Finish, Add</i>	103.09	
			<i>For Stainless Steel Continuous Hinge, Add</i>	229.46	
08 16 13 00-0044			7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0041)		
08 16 13 00-0045	EA		3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,123.51	57.90
			<i>For Custom Color Finish, Add</i>	103.09	
			<i>For Stainless Steel Continuous Hinge, Add</i>	229.46	
08 16 13 00-0046			Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Chem-Pruf) (08 16 13 00-0002)		
08 16 13 00-0047	SI		1/4" Tempered, Factory Installed Vision Glass (Chem-Pruf).....	0.28	
08 16 13 00-0048	SI		1/4" Laminated, Factory Installed Vision Glass (Chem-Pruf).....	0.29	
08 16 13 00-0049	SI		1/4" Wire, Factory Installed Vision Glass (Chem-Pruf).....	0.38	
08 16 13 00-0050	SI		1/2" Insulated, Factory Installed Vision Glass (Chem-Pruf).....	0.36	
08 16 13 00-0051	SI		Factory Installed Molded Louver (Chem-Pruf).....	0.73	
08 16 13 00-0052	SI		Factory Installed Molded Louver With Insect Screen (Chem-Pruf).....	0.81	
08 16 13 00-0053	LF		Weather Strip (Chem-Pruf).....	7.72	
08 16 13 00-0054	LF		Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Chem-Pruf).....	9.92	
08 16 13 00-0055	LF		1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Chem-Pruf).....	20.95	
08 16 13 00-0056	LF		Fiberglass Reinforced Polyester (FRP) Door Sweep (Chem-Pruf).....	23.15	
08 16 13 00-0057	LF		2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Chem-Pruf).....	45.20	



Openings	08	08
Doors And Frames	08 10	
Composite Doors	08 16	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0058 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0001)</small>		
08 16 13 00-0059 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0058)</small> Note: White, tan, brown or gray finish. Includes factory hardware prep.		
08 16 13 00-0060 Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0059)</small> Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0061 6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0060)</small>		
08 16 13 00-0062 EA 3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	1,543.11	57.90
For Custom Color Finish, Add	103.09	
For Stainless Steel Continuous Hinge, Add	229.46	
08 16 13 00-0063 EA 3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	1,565.29	60.31
For Custom Color Finish, Add	103.09	
For Stainless Steel Continuous Hinge, Add	229.46	
08 16 13 00-0064 EA 4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	1,641.64	65.14
For Custom Color Finish, Add	103.09	
For Stainless Steel Continuous Hinge, Add	229.46	
08 16 13 00-0065 7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0060)</small>		
08 16 13 00-0066 EA 3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	1,543.11	57.90
For Custom Color Finish, Add	103.09	
For Stainless Steel Continuous Hinge, Add	229.46	
08 16 13 00-0067 EA 3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	1,631.99	60.31
For Custom Color Finish, Add	103.09	
For Stainless Steel Continuous Hinge, Add	229.46	
08 16 13 00-0068 EA 4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	1,641.64	65.14
For Custom Color Finish, Add	103.09	
For Stainless Steel Continuous Hinge, Add	229.46	
08 16 13 00-0069 Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0059)</small> Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0070 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0069)</small>		
08 16 13 00-0071 6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0070)</small>		
08 16 13 00-0072 EA 3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,543.66	57.90
For Custom Color Finish, Add	103.09	
For Stainless Steel Continuous Hinge, Add	229.46	
08 16 13 00-0073 EA 3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,596.52	60.31
For Custom Color Finish, Add	103.09	
For Stainless Steel Continuous Hinge, Add	229.46	
08 16 13 00-0074 EA 4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,720.89	65.14
For Custom Color Finish, Add	103.09	
For Stainless Steel Continuous Hinge, Add	229.46	
08 16 13 00-0075 7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0070)</small>		
08 16 13 00-0076 EA 3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,543.66	57.90
For Custom Color Finish, Add	103.09	
For Stainless Steel Continuous Hinge, Add	229.46	
08 16 13 00-0077 EA 3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,615.19	60.31
For Custom Color Finish, Add	103.09	
For Stainless Steel Continuous Hinge, Add	229.46	
08 16 13 00-0078 EA 4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,778.26	65.14
For Custom Color Finish, Add	103.09	
For Stainless Steel Continuous Hinge, Add	229.46	
08 16 13 00-0079 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0069)</small>		

08 Openings**08 10 Doors And Frames****08 16 Composite Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0080			6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0079)		
08 16 13 00-0081	EA		3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,543.66	57.90
			<i>For Custom Color Finish, Add</i>	103.09	
			<i>For Stainless Steel Continuous Hinge, Add</i>	229.46	
08 16 13 00-0082	EA		3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,596.52	60.31
			<i>For Custom Color Finish, Add</i>	103.09	
			<i>For Stainless Steel Continuous Hinge, Add</i>	229.46	
08 16 13 00-0083	EA		4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,720.89	65.14
			<i>For Custom Color Finish, Add</i>	103.09	
			<i>For Stainless Steel Continuous Hinge, Add</i>	229.46	
08 16 13 00-0084			7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0079)		
08 16 13 00-0085	EA		3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,543.66	57.90
			<i>For Custom Color Finish, Add</i>	103.09	
			<i>For Stainless Steel Continuous Hinge, Add</i>	229.46	
08 16 13 00-0086	EA		3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,615.19	60.31
			<i>For Custom Color Finish, Add</i>	103.09	
			<i>For Stainless Steel Continuous Hinge, Add</i>	229.46	
08 16 13 00-0087	EA		4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,778.26	65.14
			<i>For Custom Color Finish, Add</i>	103.09	
			<i>For Stainless Steel Continuous Hinge, Add</i>	229.46	
08 16 13 00-0088			90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0069)		
08 16 13 00-0089			6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0088)		
08 16 13 00-0090	EA		3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,543.66	57.90
			<i>For Custom Color Finish, Add</i>	103.09	
			<i>For Stainless Steel Continuous Hinge, Add</i>	229.46	
08 16 13 00-0091	EA		3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,596.52	60.31
			<i>For Custom Color Finish, Add</i>	103.09	
			<i>For Stainless Steel Continuous Hinge, Add</i>	229.46	
08 16 13 00-0092	EA		4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,720.89	65.14
			<i>For Custom Color Finish, Add</i>	103.09	
			<i>For Stainless Steel Continuous Hinge, Add</i>	229.46	
08 16 13 00-0093			7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0088)		
08 16 13 00-0094	EA		3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,543.66	57.90
			<i>For Custom Color Finish, Add</i>	103.09	
			<i>For Stainless Steel Continuous Hinge, Add</i>	229.46	
08 16 13 00-0095	EA		3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,615.19	60.31
			<i>For Custom Color Finish, Add</i>	103.09	
			<i>For Stainless Steel Continuous Hinge, Add</i>	229.46	
08 16 13 00-0096	EA		4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,778.26	65.14
			<i>For Custom Color Finish, Add</i>	103.09	
			<i>For Stainless Steel Continuous Hinge, Add</i>	229.46	
08 16 13 00-0097			Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0059)		
			Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0098			6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0097)		
08 16 13 00-0099	EA		3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	1,743.22	57.90
			<i>For Custom Color Finish, Add</i>	103.09	
			<i>For Stainless Steel Continuous Hinge, Add</i>	229.46	
08 16 13 00-0100			7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0097)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0101	EA		3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	1,743.22 103.09 229.46	57.90
08 16 13 00-0102 Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Skule Door) <small>(08 16 13 00-0058)</small>					
08 16 13 00-0103	SI		1/4" Tempered, Factory Installed Vision Glass (Skule Door).....	0.63	
08 16 13 00-0104	SI		1/4" Laminated, Factory Installed Vision Glass (Skule Door).....	0.65	
08 16 13 00-0105	SI		1/4" Wire, Factory Installed Vision Glass (Skule Door).....	0.69	
08 16 13 00-0106	SI		1/2" Insulated, Factory Installed Vision Glass (Skule Door).....	0.98	
08 16 13 00-0107	SI		Factory Installed Molded Louver (Skule Door).....	0.39	
08 16 13 00-0108	SI		Factory Installed Molded Louver With Insect Screen (Skule Door).....	0.62	
08 16 13 00-0109	LF		Weather Strip (Skule Door).....	5.34	
08 16 13 00-0110	LF		Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Skule Door).....	6.67	
08 16 13 00-0111	LF		1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Skule Door).....	21.34	
08 16 13 00-0112	LF		Fiberglass Reinforced Polyester (FRP) Door Sweep (Skule Door).....	76.04	
08 16 13 00-0113	LF		2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Skule Door).....	29.35	
08 17 Integrated Door Opening Assemblies <small>(08 10)</small>					
08 17 23 Integrated Metal Door Opening Assemblies <small>(08 17)</small>					
08 17 23 00-0001 Pre-Hung Interior Door Units <small>(08 17 23)</small>					
Note: All prehung doors include door, frame, and trim, all mounting hardware (standard duty ball bearing hinges). Excludes lockset. See CSI section 08 70 00 00-0000 for finish hardware.					
08 17 23 00-0002 Hollow Core Doors, 1-3/8" Thick <small>(08 17 23 00-0001)</small>					
08 17 23 00-0003 Birch Faced <small>(08 17 23 00-0002)</small>					
08 17 23 00-0004	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	349.42 54.91	60.31
08 17 23 00-0005	EA		2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	363.48 58.28	60.31
08 17 23 00-0006	EA		2'-8" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	382.38 61.66	62.73
08 17 23 00-0007	EA		3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	391.38 62.66	65.14
08 17 23 00-0008	EA		3'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	416.88 68.78	65.14
08 17 23 00-0009	EA		3'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	440.06 73.19	67.55
08 17 23 00-0010	EA		Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	655.41 109.82	98.92
08 17 23 00-0011	EA		Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	698.02 116.58	106.16
08 17 23 00-0012	EA		Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	748.98 125.33	113.39
08 17 23 00-0013 Lauan Faced <small>(08 17 23 00-0002)</small>					
08 17 23 00-0014	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door..... <i>For 8' Door Height, Add</i>	319.49 47.73	60.31
08 17 23 00-0015	EA		2'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door..... <i>For 8' Door Height, Add</i>	332.98 50.96	60.31
08 17 23 00-0016	EA		2'-8" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door..... <i>For 8' Door Height, Add</i>	349.17 53.69	62.73
08 17 23 00-0017	EA		3' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door..... <i>For 8' Door Height, Add</i>	362.03 55.62	65.14
08 17 23 00-0018	EA		3'-4" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door..... <i>For 8' Door Height, Add</i>	384.19 60.94	65.14
08 17 23 00-0019	EA		3'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door..... <i>For 8' Door Height, Add</i>	405.25 64.83	67.55
08 17 23 00-0020	EA		Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door..... <i>For 8' Door Height, Add</i>	595.56 95.46	98.92
08 17 23 00-0021	EA		Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door..... <i>For 8' Door Height, Add</i>	636.94 101.92	106.16
08 17 23 00-0022	EA		Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door..... <i>For 8' Door Height, Add</i>	690.34 111.25	113.39
08 17 23 00-0023 Tempered Hardboard Faced <small>(08 17 23 00-0002)</small>					
08 17 23 00-0024	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	276.52 37.41	60.31
08 17 23 00-0025	EA		2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	287.89 40.14	60.31
08 17 23 00-0026	EA		2'-8" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	298.11 41.44	62.73
08 17 23 00-0027	EA		3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	313.72 44.03	65.14
08 17 23 00-0028	EA		3'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	333.88 48.87	65.14

08 Openings**08 10 Doors And Frames****08 17 Integrated Door Opening Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0029	EA		3'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	351.76 52.00	67.55
08 17 23 00-0030	EA		Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	509.61 74.83	98.92
08 17 23 00-0031	EA		Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	546.80 80.28	106.16
08 17 23 00-0032	EA		Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	593.65 88.05	113.39
08 17 23 00-0033			Solid Core Doors, 1-3/8" Thick (08 17 23 00-0001)		
08 17 23 00-0034			Birch Faced (08 17 23 00-0033)		
08 17 23 00-0035	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	457.52 80.85	60.31
08 17 23 00-0036	EA		2'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	475.24 85.11	60.31
08 17 23 00-0037	EA		2'-8" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	497.74 89.35	62.73
08 17 23 00-0038	EA		3' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	524.13 94.53	65.14
08 17 23 00-0039	EA		3'-4" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	567.38 104.91	65.14
08 17 23 00-0040	EA		3'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	610.43 114.08	67.55
08 17 23 00-0041	EA		Pair 2' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	871.62 161.71	98.92
08 17 23 00-0042	EA		Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	921.52 170.22	106.16
08 17 23 00-0043	EA		Pair 3' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	1,014.48 189.05	113.39
08 17 23 00-0044			Lauan Faced (08 17 23 00-0033)		
08 17 23 00-0045	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	412.31 70.00	60.31
08 17 23 00-0046	EA		2'-6" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	428.34 73.85	60.31
08 17 23 00-0047	EA		2'-8" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	449.18 77.70	62.73
08 17 23 00-0048	EA		3' x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door..... <i>For 8' Door Height, Add</i>	470.18 81.58	65.14
08 17 23 00-0049	EA		3'-4" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	507.57 90.55	65.14
08 17 23 00-0050	EA		3'-6" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	536.55 96.35	67.55
08 17 23 00-0051	EA		Pair 2' x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	781.17 140.00	98.92
08 17 23 00-0052	EA		Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	827.73 147.71	106.16
08 17 23 00-0053	EA		Pair 3' x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	906.59 163.16	113.39
08 17 23 00-0054			Tempered Hardboard Faced (08 17 23 00-0033)		
08 17 23 00-0055	EA		2'-0" - 2'-4" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	372.03 60.34	60.31
08 17 23 00-0056	EA		2'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	386.59 63.83	60.31
08 17 23 00-0057	EA		2'-8" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	406.01 67.33	62.73
08 17 23 00-0058	EA		3' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	416.23 68.63	65.14
08 17 23 00-0059	EA		3'-4" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	447.77 76.20	65.14
08 17 23 00-0060	EA		3'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	472.94 81.08	67.55
08 17 23 00-0061	PR		Pair 2' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	700.63 120.67	98.92
08 17 23 00-0062	PR		Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	744.20 127.66	106.16
08 17 23 00-0063	PR		Pair 3' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	798.68 137.26	113.39
08 17 23 00-0064			Hollow Core Doors, 1-3/4" Thick (08 17 23 00-0001)		
08 17 23 00-0065			Birch Faced (08 17 23 00-0064)		
08 17 23 00-0066	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door <i>For 8' Door Height, Add</i>	406.59 68.63	60.31
08 17 23 00-0067	EA		2'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door <i>For 8' Door Height, Add</i>	417.38 71.22	60.31
08 17 23 00-0068	EA		2'-8" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door <i>For 8' Door Height, Add</i>	426.19 72.18	62.73



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0069 EA 3' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	448.60 76.40	65.14
08 17 23 00-0070 EA 3'-4" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door <i>For 8' Door Height, Add</i>	495.30 87.61	65.14
08 17 23 00-0071 EA 3'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door <i>For 8' Door Height, Add</i>	554.69 100.70	67.55
08 17 23 00-0072 EA Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door <i>For 8' Door Height, Add</i>	769.77 137.26	98.92
08 17 23 00-0073 EA Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	805.79 142.44	106.16
08 17 23 00-0074 EA Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door <i>For 8' Door Height, Add</i>	863.46 152.80	113.39
08 17 23 00-0075 Luan Faced <small>(08 17 23 00-0064)</small>		
08 17 23 00-0076 EA 2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Luan Faced Door <i>For 8' Door Height, Add</i>	373.25 60.63	60.31
08 17 23 00-0077 EA 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Luan Faced Door <i>For 8' Door Height, Add</i>	390.66 64.81	60.31
08 17 23 00-0078 EA 2'-8" x 7' x 1-3/4" Prehung Hollow Core, Luan Faced Door <i>For 8' Door Height, Add</i>	409.61 68.20	62.73
08 17 23 00-0079 EA 3' x 7' x 1-3/4" Prehung Hollow Core, Luan Faced Door..... <i>For 8' Door Height, Add</i>	420.02 69.54	65.14
08 17 23 00-0080 EA 3'-4" x 7' x 1-3/4" Prehung Hollow Core, Luan Faced Door <i>For 8' Door Height, Add</i>	451.88 77.19	65.14
08 17 23 00-0081 EA 3'-6" x 7' x 1-3/4" Prehung Hollow Core, Luan Faced Door <i>For 8' Door Height, Add</i>	477.29 82.12	67.55
08 17 23 00-0082 EA Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Luan Faced Door <i>For 8' Door Height, Add</i>	703.09 121.26	98.92
08 17 23 00-0083 EA Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Luan Faced Door..... <i>For 8' Door Height, Add</i>	752.36 129.62	106.16
08 17 23 00-0084 EA Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Luan Faced Door <i>For 8' Door Height, Add</i>	806.29 139.08	113.39
08 17 23 00-0085 Tempered Hardboard Faced <small>(08 17 23 00-0064)</small>		
08 17 23 00-0086 EA 2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	314.85 46.61	60.31
08 17 23 00-0087 EA 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	320.27 47.91	60.31
08 17 23 00-0088 EA 2'-8" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	335.88 50.50	62.73
08 17 23 00-0089 EA 3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	351.50 53.10	65.14
08 17 23 00-0090 EA 3'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	363.82 56.05	65.14
08 17 23 00-0091 EA 3'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	383.62 59.64	67.55
08 17 23 00-0092 EA Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	586.26 93.23	98.92
08 17 23 00-0093 EA Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	611.57 95.83	106.16
08 17 23 00-0094 EA Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	669.24 106.19	113.39
08 17 23 00-0095 Solid Core Doors, 1-3/4" Thick <small>(08 17 23 00-0001)</small>		
08 17 23 00-0096 Birch Faced <small>(08 17 23 00-0095)</small>		
08 17 23 00-0097 EA 2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	509.11 93.24	60.31
08 17 23 00-0098 EA 2'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	525.28 97.12	60.31
08 17 23 00-0099 EA 2'-8" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	535.52 98.42	62.73
08 17 23 00-0100 EA 3' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	556.51 102.30	65.14
08 17 23 00-0101 EA 3'-4" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	603.40 113.55	65.14
08 17 23 00-0102 EA 3'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	655.58 124.92	67.55
08 17 23 00-0103 EA Pair 2' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	974.79 186.48	98.92
08 17 23 00-0104 EA Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	1,021.60 194.23	106.16
08 17 23 00-0105 EA Pair 3' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	1,079.26 204.60	113.39
08 17 23 00-0106 Luan Faced <small>(08 17 23 00-0095)</small>		
08 17 23 00-0107 EA 2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Luan Faced Door <i>For 8' Door Height, Add</i>	517.65 95.28	60.31

08 Openings**08 10 Doors And Frames****08 17 Integrated Door Opening Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0108	EA		2'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	518.80 95.56	60.31
08 17 23 00-0109	EA		2'-8" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	535.06 98.31	62.73
08 17 23 00-0110	EA		3' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	548.16 100.29	65.14
08 17 23 00-0111	EA		3'-4" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	585.93 109.36	65.14
08 17 23 00-0112	EA		3'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	619.92 116.35	67.55
08 17 23 00-0113	EA		Pair 2' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	991.88 190.57	98.92
08 17 23 00-0114	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	1,008.63 191.12	106.16
08 17 23 00-0115	EA		Pair 3' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	1,062.56 200.59	113.39
08 17 23 00-0116			Tempered Hardboard Faced <small>(08 17 23 00-0095)</small>		
08 17 23 00-0117	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	428.17 73.81	60.31
08 17 23 00-0118	EA		2'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	433.55 75.10	60.31
08 17 23 00-0119	EA		2'-8" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	443.79 76.40	62.73
08 17 23 00-0120	EA		3' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	459.41 78.99	65.14
08 17 23 00-0121	EA		3'-4" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	483.55 84.78	65.14
08 17 23 00-0122	EA		3'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	511.00 90.21	67.55
08 17 23 00-0123	EA		Pair 2' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	812.90 147.62	98.92
08 17 23 00-0124	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	838.15 150.21	106.16
08 17 23 00-0125	EA		Pair 3' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	885.03 157.98	113.39
08 17 23 00-0126			Oak Or Maple Faced <small>(08 17 23 00-0095)</small>		
08 17 23 00-0127	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For 8' Door Height, Add</i>	609.09 117.23	60.31
08 17 23 00-0128	EA		2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For 8' Door Height, Add</i>	612.08 117.95	60.31
08 17 23 00-0129	EA		2'-8" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For 8' Door Height, Add</i>	642.14 124.01	62.73
08 17 23 00-0130	EA		3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For 8' Door Height, Add</i>	653.57 125.59	65.14
08 17 23 00-0131	EA		3'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For 8' Door Height, Add</i>	710.29 139.20	65.14
08 17 23 00-0132	EA		3'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For 8' Door Height, Add</i>	782.33 155.34	67.55
08 17 23 00-0133	EA		Pair 2' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For 8' Door Height, Add</i>	1,174.76 234.47	98.92
08 17 23 00-0134	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For 8' Door Height, Add</i>	1,195.21 235.90	106.16
08 17 23 00-0135	EA		Pair 3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For 8' Door Height, Add</i>	1,273.36 251.18	113.39
08 17 23 00-0136			Walnut Faced <small>(08 17 23 00-0095)</small>		
08 17 23 00-0137	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For 8' Door Height, Add</i>	761.64 153.84	60.31
08 17 23 00-0138	EA		2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For 8' Door Height, Add</i>	788.30 160.24	60.31
08 17 23 00-0139	EA		2'-8" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For 8' Door Height, Add</i>	802.05 162.38	62.73
08 17 23 00-0140	EA		3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For 8' Door Height, Add</i>	833.56 168.79	65.14
08 17 23 00-0141	EA		3'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For 8' Door Height, Add</i>	910.93 187.36	65.14
08 17 23 00-0142	EA		3'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For 8' Door Height, Add</i>	993.90 206.11	67.55
08 17 23 00-0143	EA		Pair 2' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For 8' Door Height, Add</i>	1,479.86 307.69	98.92
08 17 23 00-0144	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For 8' Door Height, Add</i>	1,547.62 320.48	106.16
08 17 23 00-0145	EA		Pair 3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For 8' Door Height, Add</i>	1,633.36 337.58	113.39

08 30 Specialty Doors And Frames (08)

Note: Includes caulk, sealant and mounting anchors.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 31 Access Doors And Panels (08 30)

See CSI section 07 72 33 00-0000 for roof hatches, 23 33 33 00-0000 for duct-mounted access doors.

08 31 13 Access Doors And Frames (08 31)

08 31 13 00-0001 Stainless Steel Access Doors (08 31 13)

08 31 13 00-0002 Fire Rated Stainless Steel Access Doors (08 31 13 00-0001)

08 31 13 00-0003	EA	12" x 12" Fire Rated Stainless Steel Access Door With Cam Latch	337.25	50.47
08 31 13 00-0004	EA	12" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	391.46	53.77
08 31 13 00-0005	EA	18" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	455.89	56.87
08 31 13 00-0006	EA	24" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	525.03	59.75
08 31 13 00-0007	EA	24" x 24" Fire Rated Stainless Steel Access Door With Cam Latch	536.88	60.06
08 31 13 00-0008	EA	24" x 36" Fire Rated Stainless Steel Access Door With Cam Latch	694.14	61.92

08 31 13 00-0009 Stainless Steel Access Doors (08 31 13 00-0001)

08 31 13 00-0010	EA	8" x 8" Stainless Steel Access Door With Cam Latch	141.00	38.71
08 31 13 00-0011	EA	12" x 12" Stainless Steel Access Door With Cam Latch	167.18	50.47
08 31 13 00-0012	EA	12" x 18" Stainless Steel Access Door With Cam Latch	233.98	53.77
08 31 13 00-0013	EA	18" x 18" Stainless Steel Access Door With Cam Latch	250.97	56.87
08 31 13 00-0014	EA	24" x 18" Stainless Steel Access Door With Cam Latch	289.95	59.75
08 31 13 00-0015	EA	24" x 24" Stainless Steel Access Door With Cam Latch	328.64	60.06

08 31 13 00-0016 Steel Access Doors (08 31 13)

Note: Includes paintable powder coated finish.

08 31 13 00-0017 Insulated Fire Rated Steel Access Doors (08 31 13 00-0016)

08 31 13 00-0018	EA	12" x 12" Insulated Fire Rated Steel Access Door With Cam Latch	210.45	50.77
08 31 13 00-0019	EA	12" x 18" Insulated Fire Rated Steel Access Door With Cam Latch	257.76	53.77
08 31 13 00-0020	EA	18" x 18" Insulated Fire Rated Steel Access Door With Cam Latch	258.57	56.87
08 31 13 00-0021	EA	24" x 18" Insulated Fire Rated Steel Access Door With Cam Latch	304.80	60.06
08 31 13 00-0022	EA	24" x 24" Insulated Fire Rated Steel Access Door With Cam Latch	317.77	60.06
08 31 13 00-0023	EA	24" x 36" Insulated Fire Rated Steel Access Door With Cam Latch	417.78	61.92
08 31 13 00-0024	EA	24" x 48" Insulated Fire Rated Steel Access Door With Cam Latch	479.13	64.50
08 31 13 00-0025	EA	36" x 36" Insulated Fire Rated Steel Access Door With Cam Latch	586.46	64.50
08 31 13 00-0026	EA	48" x 48" Insulated Fire Rated Steel Access Door With Cam Latch	750.55	77.40

08 31 13 00-0027 Steel Access Doors (08 31 13 00-0016)

08 31 13 00-0028	EA	8" x 8" Steel Access Door With Cam Latch	114.48	38.91
08 31 13 00-0029	EA	12" x 12" Steel Access Door With Cam Latch	122.55	50.77
08 31 13 00-0030	EA	12" x 18" Steel Access Door With Cam Latch	139.63	53.77
08 31 13 00-0031	EA	18" x 18" Steel Access Door With Cam Latch	144.04	56.87
08 31 13 00-0032	EA	24" x 18" Steel Access Door With Cam Latch	168.66	60.06
08 31 13 00-0033	EA	24" x 24" Steel Access Door With Cam Latch	172.23	60.06
08 31 13 00-0034	EA	24" x 36" Steel Access Door With Cam Latch	222.54	61.92
08 31 13 00-0035	EA	36" x 36" Steel Access Door With Cam Latch	287.38	64.50

08 31 13 00-0036 Steel Recessed Access Doors For Drywall Application (08 31 13)

Note: Includes paintable powder coated finish.

08 31 13 00-0037	EA	8" x 8" Recessed Steel Access Door With Cam Latch	157.36	38.71
		<i>For Recessed Doors In Acoustical Tile, Add</i>	18.97	
08 31 13 00-0038	EA	12" x 12" Recessed Steel Access Door With Cam Latch	165.05	41.49
		<i>For Recessed Doors In Acoustical Tile, Add</i>	20.85	
08 31 13 00-0039	EA	12" x 18" Recessed Steel Access Door With Cam Latch	177.14	43.86
		<i>For Recessed Doors In Acoustical Tile, Add</i>	21.70	
08 31 13 00-0040	EA	18" x 18" Recessed Steel Access Door With Cam Latch	205.99	46.44
		<i>For Recessed Doors In Acoustical Tile, Add</i>	20.19	
08 31 13 00-0041	EA	24" x 18" Recessed Steel Access Door With Cam Latch	216.79	49.02
		<i>For Recessed Doors In Acoustical Tile, Add</i>	21.41	
08 31 13 00-0042	EA	24" x 24" Recessed Steel Access Door With Cam Latch	235.65	49.02
		<i>For Recessed Doors In Acoustical Tile, Add</i>	18.59	
08 31 13 00-0043	EA	24" x 36" Recessed Steel Access Door With Cam Latch	293.85	61.92
		<i>For Recessed Doors In Acoustical Tile, Add</i>	24.04	
08 31 13 00-0044	EA	36" x 36" Recessed Steel Access Door With Cam Latch	411.01	64.50
		<i>For Recessed Doors In Acoustical Tile, Add</i>	9.30	

08 31 13 00-0045 Steel Crawl Space Doors And Frames (08 31 13)

Note: Includes paintable powder coated finish.

08 31 13 00-0046	EA	24" x 24" Steel Crawl Space Door With Cam Latch	182.64	65.33
08 31 13 00-0047	EA	30" x 24" Steel Crawl Space Door With Cam Latch	253.18	79.16
08 31 13 00-0048	EA	30" x 30" Steel Crawl Space Door With Cam Latch	283.01	85.97

08 32 Sliding Glass Doors (08 30)

Note: Includes stock frames, trim, necessary anchors and Usual hardware.

08 32 13 Sliding Aluminum-Framed Glass Doors (08 32)



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 32 13 00-0001	Residential Sliding Aluminum-Framed Glass Doors (08 32 13)		
08 32 13 00-0002	5/8" Insulating Glass, Sliding Aluminum-Framed Glass Doors (08 32 13 00-0001)		
08 32 13 00-0003	SF Up To 6' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware.....	22.43	4.34
	For Custom Quality, Add	2.74	
	For Tempered Glass, Add	1.42	
	For Anodized Or Colored Aluminum Frames, Add	1.97	
08 32 13 00-0004	SF >6' Up To 12' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware.....	17.16	2.70
	For Custom Quality, Add	2.62	
	For Tempered Glass, Add	1.42	
	For Anodized Or Colored Aluminum Frames, Add	1.88	
08 32 13 00-0005	1" Insulating Glass, Sliding Aluminum-Framed Glass Doors (08 32 13 00-0001)		
08 32 13 00-0006	SF Up To 6' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware.....	24.39	4.34
	For Custom Quality, Add	3.23	
	For Tempered Glass, Add	1.42	
	For Anodized Or Colored Aluminum Frames, Add	2.32	
08 32 13 00-0007	SF >6' Up To 12' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware.....	19.09	2.70
	For Custom Quality, Add	3.10	
	For Tempered Glass, Add	1.42	
	For Anodized Or Colored Aluminum Frames, Add	2.23	
08 32 19	Sliding Wood-Framed Glass Doors (08 32)		
08 32 19 00-0001	Residential Wood Sliding Doors With 5/8" Glass (08 32 19)		
08 32 19 00-0002	EA 6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware.....	1,824.95	130.28
08 32 19 00-0003	EA 8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware.....	2,227.88	159.23
08 32 19 00-0004	EA 9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware.....	2,574.39	183.35
08 32 19 00-0005	EA 6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware.....	2,006.97	130.28
08 32 19 00-0006	EA 8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware.....	2,462.98	159.23
08 32 19 00-0007	EA 9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware.....	2,865.33	183.35
08 33	Coiling Doors And Grilles (08 30)		
08 33 13	Coiling Counter Doors (08 33)		
08 33 13 00-0001	Overhead Rolling Counter Doors (08 33 13)		
08 33 13 00-0002	Galvanized Steel Overhead Rolling Counter Doors (08 33 13 00-0001) Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0003	EA 4' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650).....	4,449.56	359.77
	For Motor Operator (With Safety Reverse), Add	739.94	
08 33 13 00-0004	EA 6' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650).....	4,664.72	359.77
	For Motor Operator (With Safety Reverse), Add	739.94	
08 33 13 00-0005	EA 8' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650).....	5,032.81	382.25
	For Motor Operator (With Safety Reverse), Add	744.48	
08 33 13 00-0006	EA 10' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650).....	5,421.88	449.71
	For Motor Operator (With Safety Reverse), Add	761.87	
08 33 13 00-0007	EA 4' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650).....	5,417.78	359.77
	For Motor Operator (With Safety Reverse), Add	739.94	
08 33 13 00-0008	EA 6' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650).....	5,679.08	399.70
	For Motor Operator (With Safety Reverse), Add	749.94	
08 33 13 00-0009	EA 8' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650).....	5,826.63	415.71
	For Motor Operator (With Safety Reverse), Add	753.93	
08 33 13 00-0010	EA 10' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650).....	6,180.54	449.71
	For Motor Operator (With Safety Reverse), Add	762.43	
08 33 13 00-0011	Stainless Steel Overhead Rolling Counter Doors (08 33 13 00-0001) Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0012	EA 4' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651).....	4,987.46	359.77
	For Motor Operator (With Safety Reverse), Add	739.94	
08 33 13 00-0013	EA 6' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651).....	5,579.15	359.77
	For Motor Operator (With Safety Reverse), Add	739.94	
08 33 13 00-0014	EA 8' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651).....	5,732.08	382.25
	For Motor Operator (With Safety Reverse), Add	744.48	
08 33 13 00-0015	EA 10' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651).....	6,981.79	449.71
	For Motor Operator (With Safety Reverse), Add	761.87	
08 33 13 00-0016	EA 4' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651).....	5,955.68	359.77
	For Motor Operator (With Safety Reverse), Add	739.94	
08 33 13 00-0017	EA 6' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651).....	6,163.19	399.70
	For Motor Operator (With Safety Reverse), Add	749.94	
08 33 13 00-0018	EA 8' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651).....	6,310.74	415.71
	For Motor Operator (With Safety Reverse), Add	753.93	
08 33 13 00-0019	EA 10' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651).....	8,009.40	449.71
	For Motor Operator (With Safety Reverse), Add	762.43	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0020				Aluminum Overhead Rolling Counter Doors <small>(08 33 13 00-0001)</small> Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
	08 33 13 00-0021	EA		4' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) <i>For Motor Operator (With Safety Reverse), Add</i>	4,879.88 739.94	359.77
	08 33 13 00-0022	EA		6' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) <i>For Motor Operator (With Safety Reverse), Add</i>	5,095.04 739.94	359.77
	08 33 13 00-0023	EA		8' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) <i>For Motor Operator (With Safety Reverse), Add</i>	5,678.29 744.48	382.25
	08 33 13 00-0024	EA		10' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) <i>For Motor Operator (With Safety Reverse), Add</i>	6,712.84 761.87	449.71
	08 33 13 00-0025	EA		4' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) <i>For Motor Operator (With Safety Reverse), Add</i>	5,848.10 739.94	359.77
	08 33 13 00-0026	EA		6' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) <i>For Motor Operator (With Safety Reverse), Add</i>	6,109.40 749.94	399.70
	08 33 13 00-0027	EA		8' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) <i>For Motor Operator (With Safety Reverse), Add</i>	6,283.84 753.93	415.71
	08 33 13 00-0028	EA		10' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) <i>For Motor Operator (With Safety Reverse), Add</i>	7,901.82 762.43	449.71
08 33 13 00-0029				Galvanized Steel Overhead Rolling Counter Fire Doors <small>(08 33 13 00-0001)</small> Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
	08 33 13 00-0030	EA		4' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) <i>For Motor Operator (With Safety Reverse), Add</i>	5,740.52 739.94	359.77
	08 33 13 00-0031	EA		6' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) <i>For Motor Operator (With Safety Reverse), Add</i>	6,063.26 739.94	359.77
	08 33 13 00-0032	EA		8' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) <i>For Motor Operator (With Safety Reverse), Add</i>	6,538.93 744.48	382.25
	08 33 13 00-0033	EA		10' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) <i>For Motor Operator (With Safety Reverse), Add</i>	7,035.58 761.87	449.71
	08 33 13 00-0034	EA		4' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) <i>For Motor Operator (With Safety Reverse), Add</i>	6,386.00 739.94	359.77
	08 33 13 00-0035	EA		6' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) <i>For Motor Operator (With Safety Reverse), Add</i>	6,701.09 749.94	399.70
	08 33 13 00-0036	EA		8' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) <i>For Motor Operator (With Safety Reverse), Add</i>	6,956.22 753.93	415.71
	08 33 13 00-0037	EA		10' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) <i>For Motor Operator (With Safety Reverse), Add</i>	7,148.76 762.43	449.71
08 33 13 00-0038				Stainless Steel Overhead Rolling Counter Fire Doors <small>(08 33 13 00-0001)</small> Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
	08 33 13 00-0039	EA		4' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) <i>For Motor Operator (With Safety Reverse), Add</i>	6,493.58 739.94	359.77
	08 33 13 00-0040	EA		6' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) <i>For Motor Operator (With Safety Reverse), Add</i>	7,354.22 739.94	359.77
	08 33 13 00-0041	EA		8' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) <i>For Motor Operator (With Safety Reverse), Add</i>	7,507.15 744.48	382.25
	08 33 13 00-0042	EA		10' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) <i>For Motor Operator (With Safety Reverse), Add</i>	9,187.18 761.87	449.71
	08 33 13 00-0043	EA		4' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) <i>For Motor Operator (With Safety Reverse), Add</i>	7,031.48 739.94	359.77
	08 33 13 00-0044	EA		6' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) <i>For Motor Operator (With Safety Reverse), Add</i>	7,292.78 749.94	399.70
	08 33 13 00-0045	EA		8' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) <i>For Motor Operator (With Safety Reverse), Add</i>	7,547.91 753.93	415.71
	08 33 13 00-0046	EA		10' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) <i>For Motor Operator (With Safety Reverse), Add</i>	9,300.36 762.43	449.71
08 33 13 00-0047				Integral Frame And Sill, Overhead Rolling Counter Doors <small>(08 33 13)</small>		
08 33 13 00-0048				Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill <small>(08 33 13 00-0047)</small> Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodization finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
	08 33 13 00-0049	EA		4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655) <i>For Motor Operator (With Safety Reverse), Add</i>	9,290.66 739.94	359.77

08	Openings
08 30	Specialty Doors And Frames
08 33	Coiling Doors And Grilles



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0050 EA 6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	9,505.82	359.77
<i>For Motor Operator (With Safety Reverse), Add</i>	739.94	
08 33 13 00-0051 EA 8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	9,766.33	382.25
<i>For Motor Operator (With Safety Reverse), Add</i>	744.48	
08 33 13 00-0052 EA 10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	10,155.40	449.71
<i>For Motor Operator (With Safety Reverse), Add</i>	761.87	
08 33 13 00-0053 EA 4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	9,613.40	359.77
<i>For Motor Operator (With Safety Reverse), Add</i>	739.94	
08 33 13 00-0054 EA 6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	9,928.49	399.70
<i>For Motor Operator (With Safety Reverse), Add</i>	749.94	
08 33 13 00-0055 EA 8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	10,183.62	415.71
<i>For Motor Operator (With Safety Reverse), Add</i>	753.93	
08 33 13 00-0056 EA 10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	11,344.38	449.71
<i>For Motor Operator (With Safety Reverse), Add</i>	762.43	
08 33 13 00-0057 Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill <small>(08 33 13 00-0047)</small>		
Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodization finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0058 EA 4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	8,214.86	359.77
<i>For Motor Operator (With Safety Reverse), Add</i>	739.94	
08 33 13 00-0059 EA 6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	8,430.02	359.77
<i>For Motor Operator (With Safety Reverse), Add</i>	739.94	
08 33 13 00-0060 EA 8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	8,690.53	382.25
<i>For Motor Operator (With Safety Reverse), Add</i>	744.48	
08 33 13 00-0061 EA 10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	9,079.60	449.71
<i>For Motor Operator (With Safety Reverse), Add</i>	761.87	
08 33 13 00-0062 EA 4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	9,183.08	359.77
<i>For Motor Operator (With Safety Reverse), Add</i>	739.94	
08 33 13 00-0063 EA 6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	9,498.17	399.70
<i>For Motor Operator (With Safety Reverse), Add</i>	749.94	
08 33 13 00-0064 EA 8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	9,860.88	415.71
<i>For Motor Operator (With Safety Reverse), Add</i>	753.93	
08 33 13 00-0065 EA 10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	10,161.00	449.71
<i>For Motor Operator (With Safety Reverse), Add</i>	762.43	
08 33 13 00-0066 Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill <small>(08 33 13 00-0047)</small>		
Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non- galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0067 EA 4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	12,733.22	359.77
<i>For Motor Operator (With Safety Reverse), Add</i>	739.94	
08 33 13 00-0068 EA 6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	13,809.02	359.77
<i>For Motor Operator (With Safety Reverse), Add</i>	739.94	
08 33 13 00-0069 EA 8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	16,005.97	382.25
<i>For Motor Operator (With Safety Reverse), Add</i>	744.48	
08 33 13 00-0070 EA 10' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	17,255.68	449.71
<i>For Motor Operator (With Safety Reverse), Add</i>	761.87	
08 33 13 00-0071 EA 4' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	14,346.92	359.77
<i>For Motor Operator (With Safety Reverse), Add</i>	739.94	
08 33 13 00-0072 EA 6' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	15,522.65	399.70
<i>For Motor Operator (With Safety Reverse), Add</i>	749.94	
08 33 13 00-0073 EA 8' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	17,176.32	415.71
<i>For Motor Operator (With Safety Reverse), Add</i>	753.93	
08 33 13 00-0074 EA 10' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	19,412.88	449.71
<i>For Motor Operator (With Safety Reverse), Add</i>	762.43	



		MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0075		Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill <small>(08 33 13 00-0047)</small>				
		Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.				
08 33 13 00-0076	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)			10,796.78	359.77
		<i>For Motor Operator (With Safety Reverse), Add</i>			739.94	
08 33 13 00-0077	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)			11,011.94	359.77
		<i>For Motor Operator (With Safety Reverse), Add</i>			739.94	
08 33 13 00-0078	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)			11,487.61	382.25
		<i>For Motor Operator (With Safety Reverse), Add</i>			744.48	
08 33 13 00-0079	EA	10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)			12,414.58	449.71
		<i>For Motor Operator (With Safety Reverse), Add</i>			761.87	
08 33 13 00-0080	EA	4' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)			11,442.26	359.77
		<i>For Motor Operator (With Safety Reverse), Add</i>			739.94	
08 33 13 00-0081	EA	6' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)			12,187.67	399.70
		<i>For Motor Operator (With Safety Reverse), Add</i>			749.94	
08 33 13 00-0082	EA	8' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)			12,873.12	415.71
		<i>For Motor Operator (With Safety Reverse), Add</i>			753.93	
08 33 13 00-0083	EA	10' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)			15,109.68	449.71
		<i>For Motor Operator (With Safety Reverse), Add</i>			762.43	
08 33 13 00-0084		Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood <small>(08 33 13 00-0047)</small>				
		Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.				
08 33 13 00-0085	EA	4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)			15,422.72	359.77
		<i>For Motor Operator (With Safety Reverse), Add</i>			739.94	
08 33 13 00-0086	EA	6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)			15,960.62	359.77
		<i>For Motor Operator (With Safety Reverse), Add</i>			739.94	
08 33 13 00-0087	EA	8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)			18,157.57	382.25
		<i>For Motor Operator (With Safety Reverse), Add</i>			744.48	
08 33 13 00-0088		Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood <small>(08 33 13 00-0047)</small>				
		Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.				
08 33 13 00-0089	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)			11,657.42	359.77
		<i>For Motor Operator (With Safety Reverse), Add</i>			739.94	
08 33 13 00-0090	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)			15,960.62	359.77
		<i>For Motor Operator (With Safety Reverse), Add</i>			739.94	
08 33 13 00-0091	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)			18,157.57	382.25
		<i>For Motor Operator (With Safety Reverse), Add</i>			744.48	
08 33 13 00-0092		Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood <small>(08 33 13 00-0047)</small>				
		Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.				
08 33 13 00-0093	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)			10,151.30	359.77
		<i>For Motor Operator (With Safety Reverse), Add</i>			739.94	
08 33 13 00-0094	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)			11,442.26	359.77
		<i>For Motor Operator (With Safety Reverse), Add</i>			739.94	
08 33 13 00-0095	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)			12,240.67	382.25
		<i>For Motor Operator (With Safety Reverse), Add</i>			744.48	

08	Openings
08 30	Specialty Doors And Frames
08 33	Coiling Doors And Grilles



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 33 13 00-0096 EA 10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662) <i>For Motor Operator (With Safety Reverse), Add</i>	13,490.38 761.87	449.71
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08 33 23 Overhead Coiling Doors (08 33)

Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0871 for forklift.

08 33 23 11 Overhead Coiling Doors (08 33 23)

08 33 23 11-0001 Galvanized Steel Overhead Coiling Doors (Width x Height) (08 33 23 11)

Note: Includes necessary anchors, track, and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 23 11-0002 26 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)

08 33 23 11-0003 EA 4' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	733.71	265.37
08 33 23 11-0004 EA 4' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	809.94	289.50
08 33 23 11-0005 EA 5' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	806.67	289.50
08 33 23 11-0006 EA 5' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	887.23	313.63
08 33 23 11-0007 EA 6' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	879.70	313.63
08 33 23 11-0008 EA 6' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	959.88	337.75
08 33 23 11-0009 EA 6' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,052.53	361.88
08 33 23 11-0010 EA 8' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	923.73	313.63
08 33 23 11-0011 EA 8' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	995.42	337.75
08 33 23 11-0012 EA 8' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,077.41	361.88
08 33 23 11-0013 EA 8' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,190.92	386.00
08 33 23 11-0014 EA 10' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,121.10	386.00
08 33 23 11-0015 EA 10' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,169.43	386.00
08 33 23 11-0016 EA 10' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,282.17	410.13
08 33 23 11-0017 EA 10' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,363.61	434.26

08 33 23 11-0018 24 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)

Note: With curtain hood (barrel cover).

08 33 23 11-0019 EA 8' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,169.54	313.63
<i>For Insulated, Add</i>	1,203.76	
08 33 23 11-0020 EA 8' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,271.10	337.75
<i>For Insulated, Add</i>	1,247.36	
08 33 23 11-0021 EA 8' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,523.96	386.00
<i>For Insulated, Add</i>	1,371.86	
08 33 23 11-0022 EA 8' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,686.60	386.00
<i>For Insulated, Add</i>	1,493.84	
08 33 23 11-0023 EA 10' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,463.14	386.00
<i>For Insulated, Add</i>	1,326.25	
08 33 23 11-0024 EA 10' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,584.71	386.00
<i>For Insulated, Add</i>	1,417.43	
08 33 23 11-0025 EA 10' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,802.68	434.26
<i>For Insulated, Add</i>	1,515.83	
08 33 23 11-0026 EA 10' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,977.90	434.26
<i>For Insulated, Add</i>	1,647.25	
08 33 23 11-0027 EA 12' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,718.82	434.26
<i>For Insulated, Add</i>	1,452.94	
08 33 23 11-0028 EA 12' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,956.26	482.50
<i>For Insulated, Add</i>	1,565.82	
08 33 23 11-0029 EA 12' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,338.37	603.13
<i>For Insulated, Add</i>	1,689.56	
08 33 23 11-0030 EA 12' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,594.31	603.13
<i>For Insulated, Add</i>	1,881.51	
08 33 23 11-0031 EA 14' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,567.66	603.13
<i>For Insulated, Add</i>	1,861.53	
08 33 23 11-0032 EA 14' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,860.83	603.13
<i>For Insulated, Add</i>	2,081.40	
08 33 23 11-0033 EA 14' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,171.78	603.13
<i>For Insulated, Add</i>	2,314.62	

08 33 23 11-0034 22 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)

Note: With curtain hood (barrel cover).

08 33 23 11-0035 EA 4' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	1,907.84	289.50
<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	199.33	
<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	332.22	
<i>For Insulated, Add</i>	1,040.09	
08 33 23 11-0036 EA 4' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,089.06	313.63
<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	219.27	
<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	365.45	
<i>For Insulated, Add</i>	1,143.38	
08 33 23 11-0037 EA 4' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,225.13	337.75
<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	232.43	
<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	387.39	
<i>For Insulated, Add</i>	1,212.82	
08 33 23 11-0038 EA 6' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,104.80	313.63
<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	221.63	
<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	369.38	
<i>For Insulated, Add</i>	1,155.19	



Openings	08	08
Specialty Doors And Frames	08 30	
Coiling Doors And Grilles	08 33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0039	EA		6' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	2,300.86 243.79 406.32 1,269.62	337.75
08 33 23 11-0040	EA		6' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	2,533.04 264.15 440.26 1,378.67	386.00
08 33 23 11-0041	EA		6' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	3,047.33 326.83 544.72 1,699.30	434.26
08 33 23 11-0042	EA		6' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	3,561.75 389.51 649.19 2,019.94	482.50
08 33 23 11-0043	EA		8' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	2,261.32 245.11 408.51 1,272.58	313.63
08 33 23 11-0044	EA		8' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	2,569.45 269.62 449.36 1,405.98	386.00
08 33 23 11-0045	EA		8' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	2,911.09 291.91 486.52 1,531.94	482.50
08 33 23 11-0046	EA		8' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	3,406.63 351.79 586.32 1,838.55	530.76
08 33 23 11-0047	EA		8' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	3,902.59 411.66 686.10 2,145.16	579.00
08 33 23 11-0048	EA		10' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	2,964.10 296.24 493.74 1,555.40	494.57
08 33 23 11-0049	EA		10' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	3,401.38 329.27 548.78 1,736.82	603.13
08 33 23 11-0050	EA		10' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	4,060.10 391.93 653.22 2,068.20	723.75
08 33 23 11-0051	EA		10' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	4,767.50 454.59 757.66 2,403.24	868.50
08 33 23 11-0052	EA		10' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	5,521.79 509.72 849.53 2,707.85	1,061.51
08 33 23 11-0053	EA		10' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	6,080.83 564.83 941.39 2,997.82	1,158.01
08 33 23 11-0054	EA		10' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	6,640.84 619.95 1,033.26 3,287.86	1,254.51
08 33 23 11-0055	EA		10' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	7,200.51 674.84 1,124.73 3,576.82	1,351.01
08 33 23 11-0056	EA		12' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	3,368.09 331.49 552.48 1,744.29	579.00
08 33 23 11-0057	EA		12' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	3,885.49 365.74 609.57 1,937.24	723.75
08 33 23 11-0058	EA		12' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	4,631.54 448.72 747.87 2,366.62	820.25
08 33 23 11-0059	EA		12' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	5,474.71 531.70 886.17 2,803.27	965.00

08 Openings
08 30 Specialty Doors And Frames
08 33 Coiling Doors And Grilles



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0060	EA		12' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	6,336.40 603.17 1,005.28 3,189.49	1,158.01
08 33 23 11-0061	EA		12' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	7,005.38 674.64 1,124.39 3,561.26	1,254.51
08 33 23 11-0062	EA		12' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	7,772.74 746.10 1,243.50 3,940.41	1,399.26
08 33 23 11-0063	EA		12' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	8,539.44 817.56 1,362.61 4,319.50	1,544.01
08 33 23 11-0064 20 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)					
Note: With curtain hood (barrel cover)					
08 33 23 11-0065	EA		14' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	4,271.37 423.62 2,226.65	723.75
08 33 23 11-0066	EA		14' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	4,847.65 481.14 2,528.70	820.25
08 33 23 11-0067	EA		14' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	5,526.27 553.96 2,907.28	916.76
08 33 23 11-0068	EA		14' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	6,142.07 617.21 3,238.11	1,013.26
08 33 23 11-0069	EA		14' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	6,983.79 685.69 3,609.39	1,206.25
08 33 23 11-0070	EA		14' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	7,632.46 754.07 3,965.76	1,302.76
08 33 23 11-0071	EA		14' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	9,068.14 925.79 4,846.18	1,447.50
08 33 23 11-0072	EA		14' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	10,499.51 1,097.52 5,726.28	1,592.26
08 33 23 11-0073	EA		16' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	5,268.76 529.78 2,779.18	868.50
08 33 23 11-0074	EA		16' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	5,913.96 597.59 3,132.71	965.00
08 33 23 11-0075	EA		16' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	6,593.35 656.09 3,446.90	1,109.76
08 33 23 11-0076	EA		16' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	7,289.69 717.28 3,774.50	1,254.51
08 33 23 11-0077	EA		16' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	7,943.10 786.23 4,133.76	1,351.01
08 33 23 11-0078	EA		16' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	8,695.06 869.83 4,566.37	1,447.50
08 33 23 11-0079	EA		16' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	9,794.22 1,005.78 5,260.58	1,544.01
08 33 23 11-0080	EA		16' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	10,903.29 1,143.14 5,961.89	1,640.51
08 33 23 11-0081	EA		18' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	5,821.95 554.74 2,932.97	1,061.51
08 33 23 11-0082	EA		18' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	6,406.03 613.61 3,241.72	1,158.01
08 33 23 11-0083	EA		18' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	7,333.67 709.25 3,741.67	1,302.76
08 33 23 11-0084	EA		18' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	8,142.02 786.88 4,151.59	1,447.50
08 33 23 11-0085	EA		18' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	8,857.15 865.22 4,557.78	1,544.01
08 33 23 11-0086	EA		18' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	9,573.40 943.66 4,964.47	1,640.51



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0087 EA 18' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	10,848.62 1,105.86 5,790.00	1,737.01
08 33 23 11-0088 EA 18' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	12,148.70 1,272.34 6,636.68	1,833.51
08 33 23 11-0089 EA 20' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	6,521.45 630.93 3,328.28	1,158.01
08 33 23 11-0090 EA 20' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	7,567.44 758.94 3,982.81	1,254.51
 08 33 23 11-0091 18 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)		
Note: With curtain hood (barrel cover).		
08 33 23 11-0092 EA 20' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	8,954.46 4,826.70	1,399.26
08 33 23 11-0093 EA 20' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	10,103.64 5,557.33	1,495.76
08 33 23 11-0094 EA 20' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	11,419.67 6,413.57	1,592.26
08 33 23 11-0095 EA 20' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	12,892.95 7,388.97	1,688.77
08 33 23 11-0096 EA 20' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	14,371.71 8,369.84	1,785.26
08 33 23 11-0097 EA 20' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	15,881.69 9,370.79	1,881.76
08 33 23 11-0098 EA 22' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	7,273.85 3,762.62	1,254.51
08 33 23 11-0099 EA 22' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	8,480.65 4,536.92	1,351.01
08 33 23 11-0100 EA 22' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	9,966.59 5,454.54	1,495.76
08 33 23 11-0101 EA 22' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	11,457.95 6,445.11	1,592.26
08 33 23 11-0102 EA 22' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	12,960.92 7,439.95	1,688.77
08 33 23 11-0103 EA 22' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	14,616.13 8,553.15	1,785.26
08 33 23 11-0104 EA 22' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	16,281.51 9,670.66	1,881.76
08 33 23 11-0105 EA 22' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	17,932.74 10,779.96	1,978.26
08 33 23 11-0106 EA 24' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	7,964.66 4,149.93	1,351.01
08 33 23 11-0107 EA 24' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	8,851.76 4,683.90	1,447.50
08 33 23 11-0108 EA 24' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	10,789.60 5,943.85	1,592.26
08 33 23 11-0109 EA 24' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	12,460.49 7,064.62	1,688.77
08 33 23 11-0110 EA 24' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	14,060.28 8,136.26	1,785.26
08 33 23 11-0111 EA 24' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	15,822.27 9,326.23	1,881.76
08 33 23 11-0112 EA 24' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	17,873.39 10,735.45	1,978.26
08 33 23 11-0113 EA 24' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	19,983.72 12,184.95	2,074.76
 08 33 23 11-0114 Aluminum Overhead Coiling Doors (Width x Height) (08 33 23 11)		
Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
 08 33 23 11-0115 0.04" Aluminum Overhead Coiling Doors (08 33 23 11-0114)		
08 33 23 11-0116 EA 4' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	1,600.76	289.50
08 33 23 11-0117 EA 4' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	1,749.26	313.63
08 33 23 11-0118 EA 4' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,171.37	337.75
08 33 23 11-0119 EA 6' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	1,951.72	313.63
08 33 23 11-0120 EA 6' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,123.95	337.75
08 33 23 11-0121 EA 6' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,344.35	386.00
08 33 23 11-0122 EA 6' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,601.93	434.26
08 33 23 11-0123 EA 6' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,862.33	482.50
08 33 23 11-0124 EA 8' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,104.68	313.63
08 33 23 11-0125 EA 8' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,417.17	386.00
08 33 23 11-0126 EA 8' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,780.53	482.50
08 33 23 11-0127 EA 8' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,038.23	530.76
08 33 23 11-0128 EA 8' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,297.26	579.00
08 33 23 11-0129 EA 10' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,841.93	506.62
08 33 23 11-0130 EA 10' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,201.45	603.13
08 33 23 11-0131 EA 10' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,647.78	723.75
08 33 23 11-0132 EA 10' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,143.95	868.50



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0204	Removal And Reinstallation Of Roll-Up Door And Support (08 33 23 11)	Note: Includes storage, cleaning and supply materials.		
08 33 23 11-0205	SF Removal And Reinstallation Of Metal Roll-up Door And Supports.....		20.59	
08 33 23 13	Overhead Rapid Coiling Doors (08 33 23)	Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0871 for forklift.		
08 33 23 13-0001	2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13)	Note: Rytec® PredaDoor® PD500. Door panel is 2-ply multi-filament Rilon. Includes full width vision panel. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Drive system is a 3 phase, variable-speed AC Drive with brake and absolute encoder. Opens at 50" per second and closes at 21" per second.		
08 33 23 13-0002	2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0001)			
08 33 23 13-0003	6' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0002)			
08 33 23 13-0004	EA 6' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		10,573.03	386.00
08 33 23 13-0005	EA 6' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		10,748.05	402.41
08 33 23 13-0006	EA 6' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		10,949.02	418.81
08 33 23 13-0007	EA 6' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		11,226.74	435.22
08 33 23 13-0008	EA 6' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		11,510.10	451.62
08 33 23 13-0009	EA 6' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		11,983.08	468.03
08 33 23 13-0010	EA 6' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		12,320.62	484.43
08 33 23 13-0011	7' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0002)			
08 33 23 13-0012	EA 7' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		10,785.30	402.41
08 33 23 13-0013	EA 7' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		11,006.58	418.81
08 33 23 13-0014	EA 7' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		11,283.17	435.22
08 33 23 13-0015	EA 7' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		11,575.57	451.62
08 33 23 13-0016	EA 7' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		11,959.38	468.03
08 33 23 13-0017	EA 7' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		12,421.07	484.43
08 33 23 13-0018	EA 7' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		12,786.83	500.84
08 33 23 13-0019	8' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0002)			
08 33 23 13-0020	EA 8' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		11,042.69	418.81
08 33 23 13-0021	EA 8' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		11,318.16	435.22
08 33 23 13-0022	EA 8' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		11,621.84	451.62
08 33 23 13-0023	EA 8' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		12,016.94	468.03
08 33 23 13-0024	EA 8' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		12,373.67	484.43
08 33 23 13-0025	EA 8' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		12,876.00	500.84
08 33 23 13-0026	EA 8' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		13,289.15	517.24
08 33 23 13-0027	9' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0002)			
08 33 23 13-0028	EA 9' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		11,355.40	435.22
08 33 23 13-0029	EA 9' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		11,656.83	451.62
08 33 23 13-0030	EA 9' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		12,051.93	468.03
08 33 23 13-0031	EA 9' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		12,419.94	484.43
08 33 23 13-0032	EA 9' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		12,806.02	500.84
08 33 23 13-0033	EA 9' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		13,206.76	517.24
08 33 23 13-0034	EA 9' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		13,645.88	533.64
08 33 23 13-0035	10' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0002)			
08 33 23 13-0036	EA 10' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		11,686.17	451.62
08 33 23 13-0037	EA 10' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		12,089.17	468.03
08 33 23 13-0038	EA 10' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		12,453.80	484.43
08 33 23 13-0039	EA 10' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		12,843.27	500.84
08 33 23 13-0040	EA 10' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		13,274.48	517.24
08 33 23 13-0041	EA 10' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		13,665.98	533.64
08 33 23 13-0042	EA 10' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		14,095.16	550.05
08 33 23 13-0043	11' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0002)			
08 33 23 13-0044	EA 11' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		12,110.62	468.03
08 33 23 13-0045	EA 11' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		12,484.27	484.43
08 33 23 13-0046	EA 11' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		12,878.25	500.84
08 33 23 13-0047	EA 11' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		13,310.60	517.24
08 33 23 13-0048	EA 11' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		13,596.22	533.64
08 33 23 13-0049	EA 11' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		14,156.10	550.05

08	Openings
08 30	Specialty Doors And Frames
08 33	Coiling Doors And Grilles



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0050 EA 11' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	14,615.53	566.45
08 33 23 13-0051 12' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0002)		
08 33 23 13-0052 EA 12' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,494.43	484.43
08 33 23 13-0053 EA 12' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,898.57	500.84
08 33 23 13-0054 EA 12' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,338.81	517.24
08 33 23 13-0055 EA 12' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,634.60	533.64
08 33 23 13-0056 EA 12' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	14,021.79	550.05
08 33 23 13-0057 EA 12' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	14,667.45	566.45
08 33 23 13-0058 EA 12' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	15,117.85	582.87
08 33 23 13-0059 Rytec® PredaDoor® Door Options (08 33 23 13-0001)		
08 33 23 13-0060 EA Up To 10' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors.....	366.80	96.50
08 33 23 13-0061 EA >10' To 15' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors.....	609.46	96.50
08 33 23 13-0062 SF Upgrade To 3-Ply Rilon Panel Material For Rytec® PredaDoor® High-Speed Rolling Doors.....	9.14	
08 33 23 13-0063 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0063)		
Note: Rytec® Fast-Seal® FS1000. Door panel is heavy-duty 3-ply multi-filament Rilon. Independent opening and closing speeds up to 50" per second. Side frames are fully bolted together, reinforced with front and rear wind bar guides and full height vinyl weather seal on either side of the door panel. Counterbalance system consists of guided counterweights custom-sized to provide to provide proper balancing of each door system. The independent tension system maintains constant panel tensioning. The drive system is a 3 phase, variable speed AC drive motor with brake and absolute encoder. Bottom bar breaks away in either direction without damage to the bar, safety astragal, or side covers.		
08 33 23 13-0064 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0063)		
08 33 23 13-0065 8' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0064)		
08 33 23 13-0066 EA 8' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	15,557.07	579.00
<i>For NEMA 4X Control Box, Add 675.00</i>		
<i>For 2 Speed Motor, 60" Open, 30" Close, Add 1,100.00</i>		
<i>For AC Variable Speed Motor And Controls, Add 2,750.00</i>		
<i>For 304 Stainless Steel Side Frame Tower, Add 2,200.00</i>		
<i>For 316 Stainless Steel Side Frame Tower, Add 3,300.00</i>		
08 33 23 13-0067 EA 8' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,268.19	595.40
<i>For NEMA 4X Control Box, Add 675.00</i>		
<i>For 2 Speed Motor, 60" Open, 30" Close, Add 1,100.00</i>		
<i>For AC Variable Speed Motor And Controls, Add 2,750.00</i>		
<i>For 304 Stainless Steel Side Frame Tower, Add 2,200.00</i>		
<i>For 316 Stainless Steel Side Frame Tower, Add 3,300.00</i>		
08 33 23 13-0068 EA 8' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,886.76	611.81
<i>For NEMA 4X Control Box, Add 675.00</i>		
<i>For 2 Speed Motor, 60" Open, 30" Close, Add 1,100.00</i>		
<i>For AC Variable Speed Motor And Controls, Add 2,750.00</i>		
<i>For 304 Stainless Steel Side Frame Tower, Add 2,200.00</i>		
<i>For 316 Stainless Steel Side Frame Tower, Add 3,300.00</i>		
08 33 23 13-0069 EA 8' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	17,552.73	628.22
<i>For NEMA 4X Control Box, Add 675.00</i>		
<i>For 2 Speed Motor, 60" Open, 30" Close, Add 1,100.00</i>		
<i>For AC Variable Speed Motor And Controls, Add 2,750.00</i>		
<i>For 304 Stainless Steel Side Frame Tower, Add 2,200.00</i>		
<i>For 316 Stainless Steel Side Frame Tower, Add 3,300.00</i>		
08 33 23 13-0070 EA 8' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	18,308.99	644.63
<i>For NEMA 4X Control Box, Add 675.00</i>		
<i>For 2 Speed Motor, 60" Open, 30" Close, Add 1,100.00</i>		
<i>For AC Variable Speed Motor And Controls, Add 2,750.00</i>		
<i>For 304 Stainless Steel Side Frame Tower, Add 2,200.00</i>		
<i>For 316 Stainless Steel Side Frame Tower, Add 3,300.00</i>		
08 33 23 13-0071 EA 8' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	18,701.83	661.03
<i>For NEMA 4X Control Box, Add 675.00</i>		
<i>For 2 Speed Motor, 60" Open, 30" Close, Add 1,100.00</i>		
<i>For AC Variable Speed Motor And Controls, Add 2,750.00</i>		
<i>For 304 Stainless Steel Side Frame Tower, Add 2,200.00</i>		
<i>For 316 Stainless Steel Side Frame Tower, Add 3,300.00</i>		
08 33 23 13-0072 EA 8' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	19,320.40	677.44
<i>For NEMA 4X Control Box, Add 675.00</i>		
<i>For 2 Speed Motor, 60" Open, 30" Close, Add 1,100.00</i>		
<i>For AC Variable Speed Motor And Controls, Add 2,750.00</i>		
<i>For 304 Stainless Steel Side Frame Tower, Add 2,200.00</i>		
<i>For 316 Stainless Steel Side Frame Tower, Add 3,300.00</i>		
08 33 23 13-0073 9' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0064)		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	13-0074	EA		9' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	16,268.19 675.00 1,100.00 2,750.00 3,300.00 4,950.00	595.40
08 33 23	13-0075	EA		9' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	16,886.76 675.00 1,100.00 2,750.00 3,300.00 4,950.00	611.81
08 33 23	13-0076	EA		9' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	17,552.73 675.00 1,100.00 2,750.00 3,300.00 4,950.00	628.22
08 33 23	13-0077	EA		9' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	18,308.99 675.00 1,100.00 2,750.00 3,300.00 4,950.00	644.63
08 33 23	13-0078	EA		9' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	18,701.83 675.00 1,100.00 2,750.00 3,300.00 4,950.00	661.03
08 33 23	13-0079	EA		9' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	19,320.40 675.00 1,100.00 2,750.00 3,300.00 4,950.00	677.44
08 33 23	13-0080	EA		9' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	20,120.67 675.00 1,100.00 2,750.00 3,300.00 4,950.00	693.84
08 33 23 13-0081 10' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) <small>(08 33 23 13-0064)</small>						
08 33 23	13-0082	EA		10' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	16,886.76 675.00 1,100.00 2,750.00 3,300.00 4,950.00	611.81
08 33 23	13-0083	EA		10' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	17,552.73 675.00 1,100.00 2,750.00 3,300.00 4,950.00	628.22
08 33 23	13-0084	EA		10' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	18,308.99 675.00 1,100.00 2,750.00 3,300.00 4,950.00	644.63
08 33 23	13-0085	EA		10' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	18,701.83 675.00 1,100.00 2,750.00 3,300.00 4,950.00	661.03
08 33 23	13-0086	EA		10' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	19,320.40 675.00 1,100.00 2,750.00 3,300.00 4,950.00	677.44
08 33 23	13-0087	EA		10' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	20,120.67 675.00 1,100.00 2,750.00 3,300.00 4,950.00	693.84

08	Openings
08 30	Specialty Doors And Frames
08 33	Coiling Doors And Grilles



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0088	EA		10' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	20,875.81	710.25
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
08 33 23 13-0089			11' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0064)		
08 33 23 13-0090	EA		11' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	17,552.73	628.22
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00	
08 33 23 13-0091	EA		11' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	18,308.99	644.63
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00	
08 33 23 13-0092	EA		11' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	18,701.83	661.03
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00	
08 33 23 13-0093	EA		11' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	19,320.40	677.44
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00	
08 33 23 13-0094	EA		11' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	20,120.67	693.84
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00	
08 33 23 13-0095	EA		11' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	20,875.81	710.25
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00	
08 33 23 13-0096	EA		11' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	21,721.24	726.65
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00	
08 33 23 13-0097			12' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0064)		
08 33 23 13-0098	EA		12' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	18,308.99	644.63
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00	
08 33 23 13-0099	EA		12' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	18,701.83	661.03
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00	
08 33 23 13-0100	EA		12' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	19,320.40	677.44
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00	
08 33 23 13-0101	EA		12' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	20,120.67	693.84
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
08 33 23	13-0102	EA		12' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	20,875.81 675.00 1,100.00 2,750.00 4,400.00 6,600.00	710.25	
08 33 23	13-0103	EA		12' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	21,721.24 675.00 1,100.00 2,750.00 4,400.00 6,600.00	726.65	
08 33 23	13-0104	EA		12' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	22,326.26 675.00 1,100.00 2,750.00 4,400.00 6,600.00	743.06	
08 33 23	13-0105	13' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) <small>(08 33 23 13-0064)</small>					
08 33 23	13-0106	EA		13' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	19,166.83 675.00 1,100.00 2,750.00 5,480.00 7,370.00	661.03	
08 33 23	13-0107	EA		13' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	19,960.34 675.00 1,100.00 2,750.00 5,480.00 7,370.00	677.44	
08 33 23	13-0108	EA		13' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	20,712.07 675.00 1,100.00 2,750.00 5,480.00 7,370.00	693.84	
08 33 23	13-0109	EA		13' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	21,586.85 675.00 1,100.00 2,750.00 5,480.00 7,370.00	710.25	
08 33 23	13-0110	EA		13' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	22,458.23 675.00 1,100.00 2,750.00 5,480.00 7,370.00	726.65	
08 33 23	13-0111	EA		13' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	23,102.76 675.00 1,100.00 2,750.00 5,480.00 7,370.00	743.06	
08 33 23	13-0112	EA		13' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	23,590.41 675.00 1,100.00 2,750.00 5,480.00 7,370.00	759.46	
08 33 23	13-0113	14' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) <small>(08 33 23 13-0064)</small>					
08 33 23	13-0114	EA		14' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	19,960.34 675.00 1,100.00 2,750.00 5,480.00 7,370.00	677.44	
08 33 23	13-0115	EA		14' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	20,712.07 675.00 1,100.00 2,750.00 5,480.00 7,370.00	693.84	

08	Openings
08 30	Specialty Doors And Frames
08 33	Coiling Doors And Grilles



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0116 EA 14' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	21,586.85 675.00 1,100.00 2,750.00 5,480.00 7,370.00	710.25
08 33 23 13-0117 EA 14' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	22,458.23 675.00 1,100.00 2,750.00 5,480.00 7,370.00	726.65
08 33 23 13-0118 EA 14' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	23,102.76 675.00 1,100.00 2,750.00 5,480.00 7,370.00	743.06
08 33 23 13-0119 EA 14' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	23,590.41 675.00 1,100.00 2,750.00 5,480.00 7,370.00	759.46
08 33 23 13-0120 EA 14' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	24,319.58 675.00 1,100.00 2,750.00 5,480.00 7,370.00	775.87
08 33 23 13-0121 Rytec® Fast-Seal® Door Options (08 33 23 13-0063)		
08 33 23 13-0122 LF Strapped Windbar For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Multiply linear foot price x width of door.	33.86	
08 33 23 13-0123 EA Up To 10' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	366.80	
08 33 23 13-0124 EA >10' To 15' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors.....	609.46	
08 33 23 13-0125 EA >15' To 20' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors.....	896.26	
08 33 23 13-0126 EA One 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	214.44	
08 33 23 13-0127 EA Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	423.24	
08 33 23 13-0128 EA Three 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	536.10	
08 33 23 13-0129 EA Four 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	846.47	
08 33 23 13-0130 EA One 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	248.30	
08 33 23 13-0131 EA Two 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	490.95	
08 33 23 13-0132 EA Three 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	609.46	
08 33 23 13-0133 EA Four 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	981.91	
08 33 23 13-0134 Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) (08 33 23 13) Note: Door panels are double-walled aluminum slats that are 6" high x 1-3/16" thick. Width is variable. Side frames are galvanized steel with full height weatherseal on both sides. There are extension springs in each column for counterbalance. The drive system is a 2 HP, 208,230/460 Volt, three-phase motor with variable speed AC drive. Opening and closing speeds up to 60" per second.		
08 33 23 13-0135 Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) (08 33 23 13-0134)		
08 33 23 13-0136 8' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0135)		
08 33 23 13-0137 EA 8' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	22,169.72	772.01
08 33 23 13-0138 EA 8' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	22,813.12	788.41
08 33 23 13-0139 EA 8' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	23,456.52	804.82
08 33 23 13-0140 EA 8' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,101.05	821.22
08 33 23 13-0141 EA 8' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,744.45	837.62
08 33 23 13-0142 EA 8' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	25,387.85	854.03
08 33 23 13-0143 EA 8' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,251.29	870.43
08 33 23 13-0144 9' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0135)		
08 33 23 13-0145 EA 9' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	22,813.12	788.41



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0146 EA 9' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	23,456.52	804.82
08 33 23 13-0147 EA 9' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	24,101.05	821.22
08 33 23 13-0148 EA 9' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	24,744.45	837.62
08 33 23 13-0149 EA 9' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	25,387.85	854.03
08 33 23 13-0150 EA 9' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	26,031.24	870.43
08 33 23 13-0151 EA 9' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	27,894.69	886.84
08 33 23 13-0152 10' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 23 13-0135)</small>		
08 33 23 13-0153 EA 10' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	23,456.52	804.82
08 33 23 13-0154 EA 10' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	24,101.05	821.22
08 33 23 13-0155 EA 10' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	24,744.45	837.62
08 33 23 13-0156 EA 10' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	25,387.85	854.03
08 33 23 13-0157 EA 10' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	26,031.24	870.43
08 33 23 13-0158 EA 10' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	26,674.64	886.84
08 33 23 13-0159 EA 10' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	28,538.09	903.24
08 33 23 13-0160 11' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 23 13-0135)</small>		
08 33 23 13-0161 EA 11' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	24,101.05	821.22
08 33 23 13-0162 EA 11' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	24,744.45	837.62
08 33 23 13-0163 EA 11' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	25,387.85	854.03
08 33 23 13-0164 EA 11' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	26,031.24	870.43
08 33 23 13-0165 EA 11' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	26,674.64	886.84
08 33 23 13-0166 EA 11' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	27,318.04	903.24
08 33 23 13-0167 EA 11' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	29,180.37	919.65
08 33 23 13-0168 12' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 23 13-0135)</small>		
08 33 23 13-0169 EA 12' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	24,744.45	837.62
08 33 23 13-0170 EA 12' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	25,387.85	854.03
08 33 23 13-0171 EA 12' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	26,031.24	870.43
08 33 23 13-0172 EA 12' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	26,674.64	886.84
08 33 23 13-0173 EA 12' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	27,318.04	903.24
08 33 23 13-0174 EA 12' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	27,961.45	919.65
08 33 23 13-0175 EA 12' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	29,824.90	936.05
08 33 23 13-0176 13' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 23 13-0135)</small>		
08 33 23 13-0177 EA 13' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	25,387.85	854.03
08 33 23 13-0178 EA 13' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	26,031.24	870.43
08 33 23 13-0179 EA 13' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	26,674.64	886.84
08 33 23 13-0180 EA 13' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	27,318.04	903.24
08 33 23 13-0181 EA 13' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	27,961.45	919.65
08 33 23 13-0182 EA 13' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	28,604.85	936.05
08 33 23 13-0183 EA 13' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	30,468.29	952.46
08 33 23 13-0184 14' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 23 13-0135)</small>		
08 33 23 13-0185 EA 14' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	27,251.29	870.43
08 33 23 13-0186 EA 14' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	27,894.69	886.84
08 33 23 13-0187 EA 14' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	28,538.09	903.24
08 33 23 13-0188 EA 14' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	29,180.37	919.65
08 33 23 13-0189 EA 14' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	29,824.90	936.05
08 33 23 13-0190 EA 14' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	30,468.29	952.46
08 33 23 13-0191 EA 14' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	31,106.04	968.86
08 33 23 13-0192 Rytec® Spiral® Door Options <small>(08 33 23 13-0134)</small>		
08 33 23 13-0193 EA Insulated Slats For Rytec® Spiral® High-Speed Rolling Doors.....	366.80	
Note: Per door price.		
08 33 23 13-0194 EA Up To 13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors.....	248.30	
Note: Maximum of 4 per door.		
08 33 23 13-0195 EA >13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors.....	366.80	
Note: Maximum of 4 per door.		
08 33 23 13-0196 EA Right Hand Motor Mount For Rytec® Spiral® High-Speed Rolling Doors.....	705.96	48.25
08 33 23 13-0197 EA Up To 13' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors.....	2,021.38	96.50
08 33 23 13-0198 EA >13' To 16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors.....	3,607.11	96.50
08 33 23 13-0199 EA >16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors.....	4,098.06	96.50
08 33 23 13-0200 Activation And Control Box Options For High Speed Doors <small>(08 33 23 13)</small>		
08 33 23 13-0201 EA Pull Cord For High-Speed Rolling Doors.....	186.79	48.25

08	Openings
08 30	Specialty Doors And Frames
08 33	Coiling Doors And Grilles



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0202	EA		Emergency Stop, Pushbutton Control For High-Speed Rolling Doors	138.54	24.12
08 33 23 13-0203	EA		NEMA 4 Mushroom Remote Pushbutton Control For High-Speed Rolling Doors	172.40	24.12
08 33 23 13-0204	EA		On/Off Key Switch, Remote Control For High-Speed Rolling Doors	183.69	24.12
08 33 23 13-0205	EA		Open/Close/Stop, Remote Pushbutton Control For High-Speed Rolling Doors	324.76	24.12
08 33 23 13-0206	EA		Radio Control For High-Speed Rolling Doors	511.55	43.43
			Note: Includes one receiver and two transmitters.		
08 33 23 13-0207	EA		Floor Loop For High-Speed Rolling Doors	704.55	
			Note: Excludes sealant.		
08 33 23 13-0208	EA		Reflective Type Photo Eye For High-Speed Rolling Doors	443.51	43.43
08 33 23 13-0209	EA		Thru-Beam Type Photo Eye For High-Speed Rolling Doors	573.63	43.43
08 33 23 13-0210	EA		Motion Detector For High-Speed Rolling Doors	486.78	28.95
08 33 23 13-0211	EA		Remote Warning Horn For High-Speed Rolling Doors	344.80	48.25
			Note: Includes wall box and mounting hardware.		
08 33 23 13-0212	EA		Remote Strobe Light For High-Speed Rolling Doors	463.30	48.25
			Note: Includes wall box and mounting hardware.		
08 33 23 13-0213	EA		Remote Warning Horn And Strobe Light For High-Speed Rolling Doors	525.38	48.25
			Note: Includes wall box and mounting hardware.		
08 33 23 13-0214	EA		Red And Green Red Light For High-Speed Rolling Doors	649.53	48.25
			Note: Includes mounting hardware.		

08 33 26 Overhead Coiling Grilles (08 33)

Note: Includes curtains, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required.
Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0871 for forklift.

08 33 26 00-0001 Steel Overhead Coiling Grilles (Width x Height) (08 33 26)

08 33 26 00-0002	EA	4' x 4', Steel Overhead Coiling Grilles, Manual Lift	2,178.07	157.39
		For Staggered Brick Pattern, Add	43.21	
		For Lexan Lattice Pattern, Add	259.25	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	87.11	
		For Staggered Brick Pattern, Add	155.08	
08 33 26 00-0003	EA	6' x 4', Steel Overhead Coiling Grilles, Manual Lift	2,399.11	157.39
		For Staggered Brick Pattern, Add	48.74	
		For Lexan Lattice Pattern, Add	292.41	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	119.88	
		For Staggered Brick Pattern, Add	210.39	
08 33 26 00-0004	EA	8' x 4', Steel Overhead Coiling Grilles, Manual Lift	2,772.10	209.84
		For Staggered Brick Pattern, Add	54.31	
		For Lexan Lattice Pattern, Add	325.87	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	152.65	
		For Staggered Brick Pattern, Add	265.70	
08 33 26 00-0005	EA	12' x 4', Steel Overhead Coiling Grilles, Manual Lift	3,304.05	209.84
		For Staggered Brick Pattern, Add	67.61	
		For Lexan Lattice Pattern, Add	405.67	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	218.18	
		For Staggered Brick Pattern, Add	376.31	
08 33 26 00-0006	EA	16' x 4', Steel Overhead Coiling Grilles, Manual Lift	4,475.31	314.80
		For Staggered Brick Pattern, Add	89.40	
		For Lexan Lattice Pattern, Add	536.38	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	326.85	
		For Staggered Brick Pattern, Add	496.21	
08 33 26 00-0007	EA	20' x 4', Steel Overhead Coiling Grilles, Manual Lift	5,646.56	419.58
		For Staggered Brick Pattern, Add	111.18	
		For Lexan Lattice Pattern, Add	667.10	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	435.52	
		For Staggered Brick Pattern, Add	616.11	
08 33 26 00-0008	EA	24' x 4', Steel Overhead Coiling Grilles, Manual Lift	7,047.14	503.68
		For Staggered Brick Pattern, Add	140.14	
		For Lexan Lattice Pattern, Add	840.86	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	522.63	
		For Staggered Brick Pattern, Add	637.09	
08 33 26 00-0009	EA	30' x 4', Steel Overhead Coiling Grilles, Manual Lift	8,650.90	629.60
		For Staggered Brick Pattern, Add	171.30	
		For Lexan Lattice Pattern, Add	1,027.81	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	611.72	
		For Staggered Brick Pattern, Add	731.31	
08 33 26 00-0010	EA	4' x 6', Steel Overhead Coiling Grilles, Manual Lift	2,346.80	157.39
		For Staggered Brick Pattern, Add	47.43	
		For Lexan Lattice Pattern, Add	284.56	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	130.65	
		For Staggered Brick Pattern, Add	180.18	
08 33 26 00-0011	EA	6' x 6', Steel Overhead Coiling Grilles, Manual Lift	2,664.26	157.39
		For Staggered Brick Pattern, Add	55.36	
		For Lexan Lattice Pattern, Add	332.18	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	195.96	
		For Staggered Brick Pattern, Add	245.05	
08 33 26 00-0012	EA	8' x 6', Steel Overhead Coiling Grilles, Manual Lift	3,001.42	209.93
		For Staggered Brick Pattern, Add	60.05	
		For Lexan Lattice Pattern, Add	360.27	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	261.26	
		For Staggered Brick Pattern, Add	309.92	
08 33 26 00-0013	EA	12' x 6', Steel Overhead Coiling Grilles, Manual Lift	3,614.32	209.93
		For Staggered Brick Pattern, Add	75.37	
		For Lexan Lattice Pattern, Add	452.21	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	391.97	
		For Staggered Brick Pattern, Add	439.64	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0014	EA		16' x 6', Steel Overhead Coiling Grilles, Manual Lift <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	4,910.51 100.28 601.66 522.63 605.23	314.80
08 33 26 00-0015	EA		20' x 6', Steel Overhead Coiling Grilles, Manual Lift <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	6,203.48 125.19 751.12 653.30 770.81	419.58
08 33 26 00-0016	EA		24' x 6', Steel Overhead Coiling Grilles, Manual Lift <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	7,772.99 158.29 949.74 783.95 888.59	503.68
08 33 26 00-0017	EA		30' x 6', Steel Overhead Coiling Grilles, Manual Lift <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	9,373.84 189.38 1,136.25 912.73 996.17	629.60
08 33 26 00-0018	EA		4' x 8', Steel Overhead Coiling Grilles, Manual Lift <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	2,688.69 53.74 322.42 174.21 235.82	188.88
08 33 26 00-0019	EA		6' x 8', Steel Overhead Coiling Grilles, Manual Lift <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	3,072.22 63.33 379.95 261.32 319.37	188.88
08 33 26 00-0020	EA		8' x 8', Steel Overhead Coiling Grilles, Manual Lift <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	3,688.30 75.33 451.96 348.42 402.93	236.10
08 33 26 00-0021	EA		12' x 8', Steel Overhead Coiling Grilles, Manual Lift <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	4,241.41 89.15 534.93 436.11 570.03	236.10
08 33 26 00-0022	EA		16' x 8', Steel Overhead Coiling Grilles, Manual Lift <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	5,785.71 117.62 705.70 696.85 803.87	377.76
08 33 26 00-0023	EA		20' x 8', Steel Overhead Coiling Grilles, Manual Lift <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	7,189.62 146.08 876.48 871.06 1,037.71	472.19
08 33 26 00-0024	EA		24' x 8', Steel Overhead Coiling Grilles, Manual Lift <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	9,090.54 186.82 1,120.93 1,045.27 1,167.29	566.64
08 33 26 00-0025	EA		30' x 8', Steel Overhead Coiling Grilles, Manual Lift <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	11,083.02 227.77 1,366.59 1,210.66 1,273.08	692.55
08 33 26 00-0026	EA		4' x 10', Steel Overhead Coiling Grilles, Manual Lift <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	2,966.67 60.69 364.12 217.76 280.16	188.88
08 33 26 00-0027	EA		6' x 10', Steel Overhead Coiling Grilles, Manual Lift <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	3,474.97 73.39 440.36 326.64 397.84	188.88
08 33 26 00-0028	EA		8' x 10', Steel Overhead Coiling Grilles, Manual Lift <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	4,135.52 86.56 519.35 435.53 515.53	236.10
08 33 26 00-0029	EA		12' x 10', Steel Overhead Coiling Grilles, Manual Lift <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	4,828.21 103.87 623.25 653.30 750.89	236.10
08 33 26 00-0030	EA		16' x 10', Steel Overhead Coiling Grilles, Manual Lift <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	6,555.60 136.86 821.18 871.06 1,035.38	377.76

08 Openings**08 30 Specialty Doors And Frames****08 33 Coiling Doors And Grilles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0031	EA		20' x 10', Steel Overhead Coiling Grilles, Manual Lift	8,140.52	472.19
			<i>For Staggered Brick Pattern, Add</i>	169.85	
			<i>For Lexan Lattice Pattern, Add</i>	1,019.11	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,088.82	
			<i>For Staggered Brick Pattern, Add</i>	1,319.86	
08 33 26 00-0032	EA		24' x 10', Steel Overhead Coiling Grilles, Manual Lift	10,239.44	566.64
			<i>For Staggered Brick Pattern, Add</i>	215.54	
			<i>For Lexan Lattice Pattern, Add</i>	1,293.27	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,306.75	
			<i>For Staggered Brick Pattern, Add</i>	1,528.50	
08 33 26 00-0033	EA		30' x 10', Steel Overhead Coiling Grilles, Manual Lift	12,857.04	692.55
			<i>For Staggered Brick Pattern, Add</i>	272.12	
			<i>For Lexan Lattice Pattern, Add</i>	1,632.69	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,530.01	
			<i>For Staggered Brick Pattern, Add</i>	1,712.26	
08 33 26 00-0034	EA		4' x 12', Steel Overhead Coiling Grilles, Manual Lift	3,285.01	188.88
			<i>For Staggered Brick Pattern, Add</i>	68.64	
			<i>For Lexan Lattice Pattern, Add</i>	411.87	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	261.32	
			<i>For Staggered Brick Pattern, Add</i>	323.86	
08 33 26 00-0035	EA		6' x 12', Steel Overhead Coiling Grilles, Manual Lift	3,377.16	188.88
			<i>For Staggered Brick Pattern, Add</i>	70.95	
			<i>For Lexan Lattice Pattern, Add</i>	425.69	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	391.97	
			<i>For Staggered Brick Pattern, Add</i>	475.00	
08 33 26 00-0036	EA		8' x 12', Steel Overhead Coiling Grilles, Manual Lift	4,106.76	236.10
			<i>For Staggered Brick Pattern, Add</i>	85.79	
			<i>For Lexan Lattice Pattern, Add</i>	514.73	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	522.62	
			<i>For Staggered Brick Pattern, Add</i>	626.14	
08 33 26 00-0037	EA		12' x 12', Steel Overhead Coiling Grilles, Manual Lift	5,491.92	236.10
			<i>For Staggered Brick Pattern, Add</i>	120.42	
			<i>For Lexan Lattice Pattern, Add</i>	722.50	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	783.92	
			<i>For Staggered Brick Pattern, Add</i>	928.42	
08 33 26 00-0038	EA		16' x 12', Steel Overhead Coiling Grilles, Manual Lift	7,643.90	377.76
			<i>For Staggered Brick Pattern, Add</i>	164.07	
			<i>For Lexan Lattice Pattern, Add</i>	984.43	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,045.26	
			<i>For Staggered Brick Pattern, Add</i>	1,290.78	
08 33 26 00-0039	EA		20' x 12', Steel Overhead Coiling Grilles, Manual Lift	9,655.47	472.19
			<i>For Staggered Brick Pattern, Add</i>	207.73	
			<i>For Lexan Lattice Pattern, Add</i>	1,246.35	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,306.58	
			<i>For Staggered Brick Pattern, Add</i>	1,653.13	
08 33 26 00-0040	EA		24' x 12', Steel Overhead Coiling Grilles, Manual Lift	11,711.71	566.64
			<i>For Staggered Brick Pattern, Add</i>	252.35	
			<i>For Lexan Lattice Pattern, Add</i>	1,514.11	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,567.90	
			<i>For Staggered Brick Pattern, Add</i>	1,747.96	
08 33 26 00-0041	EA		30' x 12', Steel Overhead Coiling Grilles, Manual Lift	14,609.79	692.55
			<i>For Staggered Brick Pattern, Add</i>	315.93	
			<i>For Lexan Lattice Pattern, Add</i>	1,895.61	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,816.97	
			<i>For Staggered Brick Pattern, Add</i>	1,904.43	
08 33 26 00-0042	EA		4' x 14', Steel Overhead Coiling Grilles, Manual Lift	3,854.38	188.88
			<i>For Staggered Brick Pattern, Add</i>	82.88	
			<i>For Lexan Lattice Pattern, Add</i>	497.27	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	304.75	
			<i>For Staggered Brick Pattern, Add</i>	599.01	
08 33 26 00-0043	EA		6' x 14', Steel Overhead Coiling Grilles, Manual Lift	4,476.02	188.88
			<i>For Staggered Brick Pattern, Add</i>	98.42	
			<i>For Lexan Lattice Pattern, Add</i>	590.52	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	457.23	
			<i>For Staggered Brick Pattern, Add</i>	735.51	
08 33 26 00-0044	EA		8' x 14', Steel Overhead Coiling Grilles, Manual Lift	5,238.50	236.10
			<i>For Staggered Brick Pattern, Add</i>	114.13	
			<i>For Lexan Lattice Pattern, Add</i>	684.79	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	609.69	
			<i>For Staggered Brick Pattern, Add</i>	856.44	
08 33 26 00-0045	EA		12' x 14', Steel Overhead Coiling Grilles, Manual Lift	6,544.36	236.10
			<i>For Staggered Brick Pattern, Add</i>	146.78	
			<i>For Lexan Lattice Pattern, Add</i>	880.67	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	914.61	
			<i>For Staggered Brick Pattern, Add</i>	1,086.03	
08 33 26 00-0046	EA		16' x 14', Steel Overhead Coiling Grilles, Manual Lift	8,729.74	377.76
			<i>For Staggered Brick Pattern, Add</i>	191.22	
			<i>For Lexan Lattice Pattern, Add</i>	1,147.31	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,219.48	
			<i>For Staggered Brick Pattern, Add</i>	1,452.90	
08 33 26 00-0047	EA		20' x 14', Steel Overhead Coiling Grilles, Manual Lift	10,772.72	472.19
			<i>For Staggered Brick Pattern, Add</i>	235.66	
			<i>For Lexan Lattice Pattern, Add</i>	1,413.94	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,524.34	
			<i>For Staggered Brick Pattern, Add</i>	1,819.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0048 EA 24' x 14', Steel Overhead Coiling Grilles, Manual Lift <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	12,871.69 281.35 1,688.10 1,829.21 2,063.84	566.64
08 33 26 00-0049 EA 30' x 14', Steel Overhead Coiling Grilles, Manual Lift <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	16,499.54 363.18 2,179.07 2,159.41 2,358.03	692.55
08 33 26 00-0050 Coiling Grilles Accessories (08 33 26)		
08 33 26 00-0051 LF For Overhead Framed Rolling Grille Supports.....	87.53	
08 33 36 Side Coiling Grilles (08 33)		
08 33 36 00-0001 Steel Side Coiling Grilles (Width x Height) (08 33 36)		
08 33 36 00-0002 EA 12' x 8', Steel Side Coiling Grilles, Manually Operated <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	5,563.13 101.35 608.10 522.63 570.03	528.14
08 33 36 00-0003 EA 18' x 8', Steel Side Coiling Grilles, Manually Operated <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	7,890.78 148.81 892.86 801.67 913.00	678.44
08 33 36 00-0004 EA 24' x 8', Steel Side Coiling Grilles, Manually Operated <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	10,262.12 195.45 1,172.71 1,045.27 1,167.29	855.44
08 33 36 00-0005 EA 30' x 8', Steel Side Coiling Grilles, Manually Operated <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	12,471.90 244.31 1,465.88 1,210.66 1,273.08	944.39
08 33 36 00-0006 EA 12' x 10', Steel Side Coiling Grilles, Manually Operated <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	6,784.36 126.60 759.60 653.30 750.89	602.17
08 33 36 00-0007 EA 18' x 10', Steel Side Coiling Grilles, Manually Operated <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	9,655.88 186.12 1,116.74 962.14 1,140.22	773.42
08 33 36 00-0008 EA 24' x 10', Steel Side Coiling Grilles, Manually Operated <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	12,381.19 239.87 1,439.23 1,306.75 1,528.50	974.88
08 33 36 00-0009 EA 30' x 10', Steel Side Coiling Grilles, Manually Operated <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	15,300.82 305.30 1,831.82 1,530.01 1,712.26	1,076.60
08 33 36 00-0010 EA 12' x 12', Steel Side Coiling Grilles, Manually Operated <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	8,016.94 151.96 911.78 783.92 928.42	678.44
08 33 36 00-0011 EA 18' x 12', Steel Side Coiling Grilles, Manually Operated <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	11,418.08 222.99 1,337.95 1,157.47 1,415.61	871.36
08 33 36 00-0012 EA 24' x 12', Steel Side Coiling Grilles, Manually Operated <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	14,850.06 293.18 1,759.06 1,567.90 1,747.96	1,098.64
08 33 36 00-0013 EA 30' x 12', Steel Side Coiling Grilles, Manually Operated <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	18,123.49 366.47 2,198.83 1,816.97 1,904.43	1,211.97
08 33 36 00-0014 EA 12' x 14', Steel Side Coiling Grilles, Manually Operated <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	9,248.80 177.68 1,066.10 914.61 1,086.03	750.12

08 Openings**08 30 Specialty Doors And Frames****08 33 Coiling Doors And Grilles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 36 00-0015	EA		18' x 14', Steel Side Coiling Grilles, Manually Operated <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	13,188.21 260.31 1,561.83 1,322.85 1,572.84	963.28
08 33 36 00-0016	EA		24' x 14', Steel Side Coiling Grilles, Manually Operated <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	17,140.89 342.04 2,052.24 1,829.21 2,063.84	1,214.48
08 33 36 00-0017	EA		30' x 14', Steel Side Coiling Grilles, Manually Operated <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	20,923.68 427.33 2,563.97 2,159.41 2,358.03	1,341.04
08 33 43 Overhead Coiling Smoke Curtains (08 33)					
08 33 43 00-0001 Elevator Smoke Guard (08 33 43)					
08 33 43 00-0002	EA		Elevator Smoke Guard, 55" Width Housing (Smoke Guard 400).....	8,836.72	528.14
08 33 43 00-0003	EA		Elevator Smoke Guard, 64" Width Housing (Smoke Guard 400).....	9,146.92	528.14
08 33 43 00-0004	EA		Elevator Smoke Guard, 73" Width Housing (Smoke Guard 400).....	9,457.12	528.14
08 34 Special Function Doors (08 34)					
08 34 13 Cold Storage Doors (08 34)					
08 34 13 00-0001 Vertical Sliding Doors (08 34 13)					
Note: Doors to be filled with 4" F.I.P. polyurethane.					
08 34 13 00-0002	EA		7'-0" x 8'-0" Single Leaf Vertical Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane..... <i>For Adjusting Height Of Door To Fit Opening <7' Height, Add</i>	10,385.44 364.03	729.47
08 34 13 00-0003	EA		7'-0" x 9'-0" Bi-Pass Vertical Sliding Cold Storage Door, Filled With 4" Foam In Place (FIP) Polyurethane <i>For Adjusting Height Of Door To Fit Opening <7' Height, Add</i>	13,339.33 463.04	926.08
08 34 13 00-0004 Horizontal Sliding Doors (08 34 13)					
Note: Doors to be filled with 4" F.I.P. polyurethane.					
08 34 13 00-0005	EA		6'-0" x 9'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	8,349.01	582.59
08 34 13 00-0006	EA		7'-0" x 9'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	9,405.01	656.96
08 34 13 00-0007	EA		7'-0" x 9'-0" Bi-Parting Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane.....	12,128.63	865.79
08 34 13 00-0008	EA		5'-0" x 7'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	7,233.49	529.35
08 34 13 00-0009 Horizontal Hinge Type (08 34 13)					
Note: Doors to be filled with 4" F.I.P. polyurethane.					
08 34 13 00-0010	EA		3'-0" x 7'-0" Swinging Cold Storage Door, Filled With 4" Foam In Place (FIP) Polyurethane.....	4,913.60	344.32
08 34 16 Hangar Doors (08 34)					
08 34 16 00-0001	SF		70' To 120' Wide X To 20' High Hanger Door 25' Panels..... Note: Includes motorized opener and special hardware.	51.64	14.50
08 34 16 00-0002	SF		120' To 180' Wide X To 20' High Hanger Door 25' Panels..... Note: Includes motorized opener and special hardware.	46.71	14.50
08 34 16 00-0003	SF		120' To 180' Wide X 20-40' High Hanger Door 25' Panels..... Note: Includes motorized opener and special hardware.	46.74	3.11
08 34 16 00-0004	SF		120' To 180' Wide X 40-60' High Hanger Door 25' Panels..... Note: Includes motorized opener and special hardware.	48.14	2.07
08 34 16 00-0005	SF		120' To 180' Wide X 60-80' High Hanger Door 25' Panels..... Note: Includes motorized opener and special hardware.	50.63	2.07
08 34 16 00-0006	SF		120' To 180' Wide x >80' High Hanger Door 25' Panels Note: Includes motorized opener and special hardware.	78.77	2.07
08 34 23 Sidewalk and Basement Doors (08 34)					
08 34 23 00-0001 Drainage Doors (08 34 23)					
08 34 23 00-0002 Single Leaf Aluminum Drainage Doors (08 34 23 00-0001)					
Note: Bilco - J Series.					
08 34 23 00-0003	EA		2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,042.01	171.87
08 34 23 00-0004	EA		2' 6" x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,277.71	179.59
08 34 23 00-0005	EA		3' x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,355.99	183.45
08 34 23 00-0006	EA		3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,493.60	187.30
08 34 23 00-0007	EA		3' 6" x 3' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,738.76	196.96
08 34 23 00-0008	EA		2' 6" x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,771.56	192.42
08 34 23 00-0009	EA		3' x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,969.45	196.96
08 34 23 00-0010	EA		2' 6" x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,055.32	201.49
08 34 23 00-0011	EA		3' x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,253.22	206.03
08 34 23 00-0012	EA		3' x 6' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,613.34	217.61



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0013				Double Leaf Aluminum Drainage Doors (08 34 23 00-0001) Note: Bilco - JD Series.		
	EA			4' x 2' 6" Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,101.12	192.42
	EA			4' x 4' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,207.09	206.03
	EA			4' x 6' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,795.50	229.18
	EA			5' x 5' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,874.59	229.18
08 34 23 00-0018				Single Leaf Aluminum H2O Drainage Doors (08 34 23 00-0001) Note: Bilco - J H2O Series.		
	EA			2' x 2' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	1,654.99	171.87
	EA			2' 6" x 2' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	1,930.24	179.59
	EA			3' x 2' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,100.82	183.45
	EA			3' x 3' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,376.85	187.30
	EA			3' 6" x 3' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,747.26	196.96
08 34 23 00-0024				Double Leaf Aluminum H2O Drainage Doors (08 34 23 00-0001) Note: Bilco - JD H2O Series.		
	EA			4' x 2' 6" Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-1ALH2O)	2,747.06	192.42
	EA			4' x 4' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-2ALH2O)	3,670.33	206.03
	EA			4' x 6' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-3ALH2O)	5,214.47	229.18
	EA			5' x 5' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-4ALH2O)	4,911.27	229.18
08 34 23 00-0029				Single Leaf Steel Drainage Doors (08 34 23 00-0001) Note: Bilco - J Series.		
	EA			2' x 2' Single Leaf Steel Floor, Vault Or Sidewalk Door (Bilco J-1)	1,248.16	171.87
	EA			2' 6" x 2' 6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-2)	1,311.11	179.59
	EA			3' x 2' 6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-3)	1,456.29	183.45
	EA			3' x 3' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-4)	1,608.82	187.30
	EA			3' 6" x 3' 6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-5)	1,865.41	196.96
	EA			2' 6" x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-6)	1,777.95	192.42
	EA			3' x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-7)	2,019.49	196.96
	EA			2' 6" x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-8)	2,011.58	201.49
	EA			3' x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-9)	2,238.45	206.03
	EA			3' x 6' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-10)	2,387.89	217.61
08 34 23 00-0040				Double Leaf Steel Drainage Doors (08 34 23 00-0001) Note: Bilco - JD Series.		
	EA			4' x 2' 6" Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco JD-1)	2,174.15	192.42
	EA			4' x 4' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco JD-2)	2,282.47	206.03
	EA			4' x 6' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco JD-3)	2,838.15	229.18
	EA			5' x 5' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco JD-4)	2,918.86	229.18
08 34 23 00-0045				Single Leaf Steel H2O Drainage Doors (08 34 23 00-0001) Note: Bilco - J H2O Series.		
	EA			2' x 2' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco J-1H2O)	2,099.25	171.87
	EA			2' 6" x 2' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco J-2H2O)	2,220.90	179.59
	EA			3' x 2' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco J-3H2O)	2,300.07	183.45
	EA			3' x 3' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco J-4H2O)	2,702.06	187.30
	EA			3' 6" x 3' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco J-5H2O)	3,178.77	196.96
08 34 23 00-0051				Double Leaf Steel H2O Drainage Doors (08 34 23 00-0001) Note: Bilco - JD H2O Series.		
	EA			4' x 2' 6" Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-1H2O)	3,494.81	192.42
	EA			4' x 4' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-2H2O)	3,903.95	206.03
	EA			4' x 6' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-3H2O)	5,780.29	229.18
	EA			5' x 5' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-4H2O)	5,633.55	229.18
08 34 23 00-0056				Single Leaf Aluminum Drainage Door (08 34 23 00-0001) Note: Bilco - J-R (Odor Resistant).		
	EA			2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant (Bilco J-1ALR)	1,644.89	171.87
	EA			2' 6" x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant (Bilco J-2ALR)	1,961.54	179.59
	EA			3' x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant (Bilco J-3ALR)	2,083.10	183.45
	EA			3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant (Bilco J-4ALR)	2,206.91	187.30
	EA			3' 6" x 3' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant (Bilco J-5ALR)	2,501.94	196.96
08 34 23 00-0062				Non-Drainage Doors (08 34 23)		
08 34 23 00-0063				Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062) Note: Bilco - Q Series.		
	EA			2' x 2' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-1AL)	1,002.56	171.87
	EA			2' 6" x 2' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-2AL)	1,211.80	179.59
	EA			2' 6" x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-3AL)	1,296.73	183.45
	EA			3' x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-4AL)	1,348.62	187.30

08	Openings
08 30	Specialty Doors And Frames
08 34	Special Function Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0068	EA		3' 6" x 3' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-5AL).....	1,692.62	196.96
08 34 23 00-0069	EA		2' 6" x 4' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-6AL).....	1,527.73	192.42
08 34 23 00-0070	EA		3' x 4' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-7AL).....	1,705.81	196.96
08 34 23 00-0071	EA		2' 6" x 5' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-8AL).....	1,910.20	201.49
08 34 23 00-0072	EA		3' x 5' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-9AL).....	2,022.61	206.03
08 34 23 00-0073	EA		3' x 6' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-10AL).....	2,297.23	217.61
08 34 23 00-0074			Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062) Note: Bilco - K Series.		
08 34 23 00-0075	EA		2' x 2' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco K-1).....	824.59	171.87
08 34 23 00-0076	EA		2' 6" x 2' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco K-2).....	987.70	179.59
08 34 23 00-0077	EA		3' x 2' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco K-3).....	1,092.40	183.45
08 34 23 00-0078	EA		3' x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco K-4).....	1,164.07	187.30
08 34 23 00-0079	EA		3' 6" x 3' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco K-5).....	1,349.88	196.96
08 34 23 00-0080			Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062) Note: Bilco - QD Series.		
08 34 23 00-0081	EA		4' x 2' 6" Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco QD-1AL).....	1,936.38	192.42
08 34 23 00-0082			Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062) Note: Bilco - KD Series.		
08 34 23 00-0083	EA		4' x 4' Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door.....	1,857.83	206.03
08 34 23 00-0084	EA		4' x 6' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco KD-3).....	2,604.45	229.18
08 34 23 00-0085	EA		5' x 5' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco KD-4).....	2,657.18	229.18
08 34 23 00-0086			Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062) Note: Bilco - T Series.		
08 34 23 00-0087	EA		2' x 2' Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco T-1).....	903.69	171.87
08 34 23 00-0088	EA		2' 6" x 2' 6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco T-2).....	1,053.61	179.59
08 34 23 00-0089	EA		3' x 2' 6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco T-3).....	1,125.35	183.45
08 34 23 00-0090	EA		3' x 3' Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco T-4).....	1,229.98	187.30
08 34 23 00-0091	EA		3' 6" x 3' 6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco T-5).....	1,435.57	196.96
08 34 23 00-0092			Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062) Note: Bilco - TD Series.		
08 34 23 00-0093	EA		4' x 4' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco TD-2).....	1,969.88	206.03
08 34 23 00-0094	EA		4' x 6' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco TD-3).....	2,742.87	229.18
08 34 23 00-0095	EA		5' x 5' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco TD-4).....	2,782.41	229.18
08 34 23 00-0096			Single Leaf Steel Non-Drainage Doors (08 34 23 00-0062) Note: Bilco - Q Series.		
08 34 23 00-0097	EA		2' x 2' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-1).....	866.72	171.87
08 34 23 00-0098	EA		2' 6" x 2' 6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-2).....	966.28	179.59
08 34 23 00-0099	EA		3' x 2' 6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-3).....	1,082.16	183.45
08 34 23 00-0100	EA		3' x 3' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-4).....	1,146.62	187.30
08 34 23 00-0101	EA		3' 6" x 3' 6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-5).....	1,379.22	196.96
08 34 23 00-0102	EA		2' 6" x 4' Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door.....	1,300.69	187.30
08 34 23 00-0103			Double Leaf Steel Non-Drainage Doors (08 34 23 00-0062) Note: Bilco - QD Series.		
08 34 23 00-0104	EA		4' x 2' 6" Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco QD-1).....	1,711.92	192.42
08 34 23 00-0105			Basement Doors (08 34 23) Note: 12 gauge primed steel, center opening, includes assembly and installation hardware.		
08 34 23 00-0106	EA		45-1/4" Wide x 65-1/4" Long, Sloped Wall Basement Door, Factory Primed Metal (Bilco Classic Series).....	1,213.88	217.13
08 34 23 00-0107	EA		30" High x 47" Wide x 58" Long, Basement Door (Bilco Classic Series).....	996.74	164.54
08 34 23 00-0108	EA		22" High x 51" Wide x 64" Long, Basement Door (Bilco Classic Series).....	1,039.84	180.94
08 34 23 00-0109	EA		19-1/2" High x 55" Wide x 72" Long, Basement Door (Bilco Classic Series).....	1,110.94	193.00
08 34 23 00-0110	EA		52" High x 51" Wide x 43-1/4" Long, Basement Door (Bilco Classic Series).....	1,231.08	217.13
08 34 49			Radiation Shielding Doors And Frames (08 34)		
08 34 49 13			Neutron Shielding Doors And Frames (08 34 49)		
08 34 49 13-0001			Lead Lined Doors And Frames (08 34 49 13)		
08 34 49 13-0002	SF		1/16" Thick Laminated Lead In Wood Door.....	100.79	9.65
08 34 49 13-0003	SF		1/8" Thick Laminated Lead In Wood Door.....	123.79	9.65
08 34 49 13-0004	LF		1/16" Thick Lead Lined Door Frame.....	109.50	9.65
08 34 49 13-0005	LF		1/8" Thick Lead Lined Door Frame.....	117.16	9.65
08 34 53			Security Doors And Frames (08 34)		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 53 00-0001				Metal Security Doors, Bullet Resistant <small>(08 34 53)</small>		
				Note: Includes door, frame, hardware hinges, lockset and cylinder, all UL 753 Listed.		
				08 34 53 00-0002 SF Metal Security Door	47.98	7.38
				08 34 53 00-0003 EA Up To 3' x 7' (.38 caliber) Medium-Small Arms Metal Security Door	1,940.60	368.31
				08 34 53 00-0004 EA Up To 3' x 7' (.44 caliber) Super-Small Arms Metal Security Door.....	2,281.12	390.98
08 34 53 00-0005				Metal Security Doors <small>(08 34 53)</small>		
				Note: Includes standard pitcher handle latch, pneumatic closure, hinges and baked enamel finish.		
				08 34 53 00-0006 EA Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-501-28-O)	721.84	67.46
				Note: Top and bottom section are #12 mesh 0.028" stainless steel wire cloth with a bottom kick plate.		
				08 34 53 00-0007 EA Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-503-28-O)	721.84	67.46
				Note: Top section is #12 mesh 0.028" stainless steel wire cloth and bottom section is a double kick panel.		
				08 34 53 00-0008 EA Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-504-28-O)	1,015.32	67.46
				Note: Top section includes 1/8" tempered sash unit and #12 mesh 0.028" stainless steel wire cloth. Bottom section is a double kick panel.		
08 34 56 Security Gates <small>(08 34)</small>						
08 34 56 00-0001				Pivoting Double Folding Gate <small>(08 34 56)</small>		
				Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.		
				08 34 56 00-0002 EA 6' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	851.34	183.55
				08 34 56 00-0003 EA 8' To 10' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	955.92	206.49
				08 34 56 00-0004 EA 8' To 10' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,031.16	229.44
				08 34 56 00-0005 EA 8' To 10' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,135.72	252.38
				08 34 56 00-0006 EA 10' To 12' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	958.52	185.84
				08 34 56 00-0007 EA 10' To 12' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,033.95	208.79
				08 34 56 00-0008 EA 10' To 12' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,133.87	231.73
				08 34 56 00-0009 EA 10' To 12' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,214.21	254.67
				08 34 56 00-0010 EA 12' To 14' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,007.11	188.14
				08 34 56 00-0011 EA 12' To 14' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,082.28	211.08
				08 34 56 00-0012 EA 12' To 14' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,141.99	222.55
				08 34 56 00-0013 EA 12' To 14' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,201.94	234.03
				08 34 56 00-0014 EA 12' To 14' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,284.52	256.97
				08 34 56 00-0015 EA 14' To 16' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,099.83	190.43
				08 34 56 00-0016 EA 14' To 16' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,174.73	213.38
				08 34 56 00-0017 EA 14' To 16' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,241.72	224.85
				08 34 56 00-0018 EA 14' To 16' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,324.15	236.32
				08 34 56 00-0019 EA 14' To 16' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,442.96	259.26
				08 34 56 00-0020 EA 16' To 18' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,241.20	195.02
				08 34 56 00-0021 EA 16' To 18' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,335.28	220.26
				08 34 56 00-0022 EA 16' To 18' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,436.12	234.03
				08 34 56 00-0023 EA 16' To 18' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,494.90	240.91
08 34 56 00-0024				Pivoting Single Folding Gate <small>(08 34 56)</small>		
				Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.		
				08 34 56 00-0025 EA 5' To 6' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	579.81	128.48
				08 34 56 00-0026 EA 5' To 6' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	618.33	133.07
				08 34 56 00-0027 EA 5' To 6' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	656.85	137.66
				08 34 56 00-0028 EA 5' To 6' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	704.57	146.84
				08 34 56 00-0029 EA 5' To 6' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	737.60	156.02
				08 34 56 00-0030 EA 6' To 7' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate.....	618.20	133.07
				08 34 56 00-0031 EA 6' To 7' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	656.91	137.66
				08 34 56 00-0032 EA 6' To 7' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	695.44	142.25
				08 34 56 00-0033 EA 6' To 7' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	743.11	151.43
				08 34 56 00-0034 EA 6' To 7' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	776.34	160.61
				08 34 56 00-0035 EA 7' To 8' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate.....	671.38	137.66
				08 34 56 00-0036 EA 7' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	710.12	142.25
				08 34 56 00-0037 EA 7' To 8' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	748.57	146.84
				08 34 56 00-0038 EA 7' To 8' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	796.39	156.02
				08 34 56 00-0039 EA 7' To 8' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	844.31	165.19
08 34 56 00-0040				Window Gates, Expands From 2' To 4' <small>(08 34 56)</small>		
				Note: Includes padlock hasp and galvanized finish. Excludes padlock.		
				08 34 56 00-0041 EA 33" High Window Gate, Up To 4' Wide Opening.....	234.90	50.48
				08 34 56 00-0042 EA 37" High Window Gate, Up To 4' Wide Opening.....	244.08	55.06
				08 34 56 00-0043 EA 40" High Window Gate, Up To 4' Wide Opening.....	244.08	55.06
				08 34 56 00-0044 EA 43" High Window Gate, Up To 4' Wide Opening.....	253.84	59.65
				08 34 56 00-0045 EA 46" High Window Gate, Up To 4' Wide Opening.....	253.84	59.65
				08 34 56 00-0046 EA 49" High Window Gate, Up To 4' Wide Opening.....	263.01	64.24
				08 34 56 00-0047 EA 51" High Window Gate, Up To 4' Wide Opening.....	263.02	64.24
				08 34 56 00-0048 EA 53" High Window Gate, Up To 4' Wide Opening.....	272.19	68.83
				08 34 56 00-0049 EA 55" High Window Gate, Up To 4' Wide Opening.....	272.19	68.83
				08 34 56 00-0050 EA 57" High Window Gate, Up To 4' Wide Opening.....	281.37	73.42
				08 34 56 00-0051 EA 59" High Window Gate, Up To 4' Wide Opening.....	281.37	73.42

08	Openings
08 30	Specialty Doors And Frames
08 34	Special Function Doors



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 34 56 00-0052	Pivoting Door Gate, Expands From 2' To 4' (08 34 56) Note: Includes padlock hasp and galvanized finish. Excludes padlock.		
08 34 56 00-0053	EA 61" High Pivoting Door Gate, Up To 4' Wide Opening	290.55	78.01
08 34 56 00-0054	EA 63" High Pivoting Door Gate, Up To 4' Wide Opening	292.34	78.01
08 34 56 00-0055	EA 66" High Pivoting Door Gate, Up To 4' Wide Opening	303.89	82.60
08 34 56 00-0056	EA 71" High Pivoting Door Gate, Up To 4' Wide Opening	315.45	87.19
08 34 56 00-0057	EA 73" High Pivoting Door Gate, Up To 4' Wide Opening	317.82	87.19
08 34 56 00-0058	EA 76" High Pivoting Door Gate, Up To 4' Wide Opening	329.38	91.77
08 34 56 00-0059	EA 79" High Pivoting Door Gate, Up To 4' Wide Opening	331.76	91.77
08 34 56 00-0060	EA 81" High Pivoting Door Gate, Up To 4' Wide Opening	342.58	96.36
08 34 56 00-0061	EA 83" High Pivoting Door Gate, Up To 4' Wide Opening	345.69	96.36

08 34 73 Sound Control Door Assemblies (08 34)

08 34 73 13 Metal Sound Control Door Assemblies (08 34 73)

08 34 73 13-0001	Steel Acoustical Door Assembly (08 34 73 13) Note: Includes seal.		
08 34 73 13-0002	Steel Acoustical Doors (08 34 73 13-0001) Note: Includes hinges.		
08 34 73 13-0003	EA 3' x 7', 14 Gauge, STC 50, Steel Acoustical Door (Unrated)..... For 60 Minutes Fire Rated, Add For 3" x 33" Vision Lite, Add For 20" x 64" Vision Lite, Add	2,925.90 169.74 1,179.46 1,262.15	57.90
08 34 73 13-0004	EA 3'-6" x 7', 14 Gauge, STC 52, Steel Acoustical Door (Unrated) For 60 Minutes Fire Rated, Add For 3" x 33" Vision Lite, Add For 20" x 64" Vision Lite, Add	3,100.46 169.74 1,179.46 1,262.15	60.31
08 34 73 13-0005	EA 4' x 7', 14 Gauge, STC 53, Steel Acoustical Door (Unrated)..... For 60 Minutes Fire Rated, Add For 3" x 33" Vision Lite, Add For 20" x 64" Vision Lite, Add	3,279.85 169.74 1,179.46 1,262.15	65.14
08 34 73 13-0006	PR Pair 3' x 7', 14 Gauge, STC 50, Steel Acoustical Doors (Unrated)..... For 1 Hour Fire Rated, Add For 3" x 33" Windows, Add For 20" x 64" Windows, Add	5,840.21 339.47 2,358.91 2,524.30	110.01

08 34 73 13-0007 Steel Acoustical Door Frames (08 34 73 13-0001)

08 34 73 13-0008	EA 3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,395.23	96.50
08 34 73 13-0009	EA 3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,457.61	96.50
08 34 73 13-0010	EA 3' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,520.00	96.50
08 34 73 13-0011	EA 3' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,582.38	96.50
08 34 73 13-0012	EA 3'-6" x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,739.50	106.16
08 34 73 13-0013	EA 3'-6" x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,809.14	106.16
08 34 73 13-0014	EA 3'-6" x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	2,871.52	106.16
08 34 73 13-0015	EA 3'-6" x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	2,948.89	106.16
08 34 73 13-0016	EA 4' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,090.07	110.97
08 34 73 13-0017	EA 4' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,152.46	110.97
08 34 73 13-0018	EA 4' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,214.84	110.97
08 34 73 13-0019	EA 4' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,284.47	110.97
08 34 73 13-0020	EA 6' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	5,470.68	125.45
08 34 73 13-0021	EA 6' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	5,530.16	125.45
08 34 73 13-0022	EA 6' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	5,594.00	125.45
08 34 73 13-0023	EA 6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	5,659.28	125.45

08 34 73 16 Wood Sound Control Door Assemblies (08 34 73)

08 34 73 16-0001	Wood Acoustical Door Assembly (08 34 73 16) Note: Includes the prefinished door, frame, hinges and seals.		
08 34 73 16-0002	EA 3' x 7' x 1-3/4" Thick, STC 40, Wood Acoustical Door System (Unrated).....	2,926.51	173.70
08 34 73 16-0003	EA 3' x 7' x 1-3/4" Thick, STC 49, Wood Acoustical Door System (Unrated).....	4,014.57	173.70

08 36 Panel Doors (08 30)

08 36 13 Sectional Doors (08 36)

Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0871 for forklift.

08 36 13 00-0001	Sectional Wood Overhead Doors (Width x Height) (08 36 13)		
08 36 13 00-0002	Wood Sectional Overhead Doors (08 36 13 00-0001) Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.		
08 36 13 00-0003	EA 8' x 8', Wood Sectional Door, Manual Lift	3,130.78	386.00
08 36 13 00-0004	EA 10' x 10', Wood Sectional Door, Manual Lift	3,943.84	428.46
08 36 13 00-0005	EA 12' x 12', Wood Sectional Door, Manual Lift	5,065.90	513.38
08 36 13 00-0006	EA 14' x 14', Wood Sectional Door, Manual Lift	7,448.01	594.44



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				08 36 13 00-0007 EA 12' x 16', Wood Sectional Door, Manual Lift	7,869.68	772.01
				08 36 13 00-0008 EA 20' x 8', Wood Sectional Door, Manual Lift	7,267.98	965.00
				08 36 13 00-0009 EA 20' x 16', Wood Sectional Door, Manual Lift	13,738.66	1,286.36
08 36 13 00-0010				Residential Grade, Wood Sectional Overhead Doors (08 36 13 00-0001) Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.		
				08 36 13 00-0011 EA 9' x 7', Residential Grade, Wood Sectional Door, Manual Lift.....	1,622.38	193.00
				For Hardboard Face, Add	115.00	
				For Insulation, Add	117.00	
				For Motor Operator With Remote Controls, Add	421.24	
				For Each Glass Vision Panel In Door, Add	50.00	
				08 36 13 00-0012 EA 16' x 7', Residential Grade, Wood Sectional Door, Manual Lift.....	2,642.04	193.00
				For Hardboard Face, Add	115.00	
				For Insulation, Add	117.00	
				For Motor Operator With Remote Controls, Add	449.93	
				For Each Glass Vision Panel In Door, Add	50.00	
08 36 13 00-0013				Sectional Metal Overhead Doors (Width x Height) (08 36 13) Note: Includes tracks and all hardware.		
08 36 13 00-0014				Galvanized Steel Sectional Overhead Doors (08 36 13 00-0013)		
08 36 13 00-0015				Non-Insulated, 24 Gauge Galvanized Steel Sectional Doors (08 36 13 00-0014) Note: Includes 2" door, tracks and hardware. Excludes frame.		
				08 36 13 00-0016 EA 8' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,241.70	337.75
				For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	82.10	
				For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	141.55	
				For Aluminum, Mill Finish, Add	64.55	
				For Aluminum, Anodized Finish, Add	180.61	
				08 36 13 00-0017 EA 8' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,455.53	386.00
				For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	99.11	
				For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	170.88	
				For Aluminum, Mill Finish, Add	77.92	
				For Aluminum, Anodized Finish, Add	218.04	
				08 36 13 00-0018 EA 8' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,800.70	482.50
				For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	121.18	
				For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	208.93	
				For Aluminum, Mill Finish, Add	95.27	
				For Aluminum, Anodized Finish, Add	266.59	
				08 36 13 00-0019 EA 10' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,403.27	386.00
				For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	91.53	
				For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	157.82	
				For Aluminum, Mill Finish, Add	71.96	
				For Aluminum, Anodized Finish, Add	201.37	
				08 36 13 00-0020 EA 10' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,733.77	482.50
				For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	111.47	
				For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	192.19	
				For Aluminum, Mill Finish, Add	87.64	
				For Aluminum, Anodized Finish, Add	245.24	
				08 36 13 00-0021 EA 10' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,194.72	627.25
				For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	136.33	
				For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	235.05	
				For Aluminum, Mill Finish, Add	107.18	
				For Aluminum, Anodized Finish, Add	299.93	
				08 36 13 00-0022 EA 10' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,614.40	772.01
				For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	155.21	
				For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	267.60	
				For Aluminum, Mill Finish, Add	122.02	
				For Aluminum, Anodized Finish, Add	341.45	
				08 36 13 00-0023 EA 12' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,689.78	482.50
				For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	105.09	
				For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	181.20	
				For Aluminum, Mill Finish, Add	82.62	
				For Aluminum, Anodized Finish, Add	231.20	
				08 36 13 00-0024 EA 12' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,128.72	627.25
				For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	126.76	
				For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	218.55	
				For Aluminum, Mill Finish, Add	99.66	
				For Aluminum, Anodized Finish, Add	278.87	
				08 36 13 00-0025 EA 12' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,602.47	772.01
				For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	153.48	
				For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	264.62	
				For Aluminum, Mill Finish, Add	120.66	
				For Aluminum, Anodized Finish, Add	337.65	
				08 36 13 00-0026 EA 12' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,074.41	916.76
				For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	179.93	
				For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	310.23	
				For Aluminum, Mill Finish, Add	141.46	
				For Aluminum, Anodized Finish, Add	395.85	
				08 36 13 00-0027 EA 12' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,679.51	1,109.76
				For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	211.70	
				For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	365.00	
				For Aluminum, Mill Finish, Add	166.44	
				For Aluminum, Anodized Finish, Add	465.74	

08	Openings
08 30	Specialty Doors And Frames
08 36	Panel Doors



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0028 EA 14' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,041.63	627.25
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	114.13	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	196.78	
For Aluminum, Mill Finish, Add	89.73	
For Aluminum, Anodized Finish, Add	251.09	
08 36 13 00-0029 EA 14' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,511.72	772.01
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	140.32	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	241.93	
For Aluminum, Mill Finish, Add	110.32	
For Aluminum, Anodized Finish, Add	308.70	
08 36 13 00-0030 EA 14' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,107.66	965.00
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	170.76	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	294.41	
For Aluminum, Mill Finish, Add	134.25	
For Aluminum, Anodized Finish, Add	375.67	
08 36 13 00-0031 EA 14' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,581.41	1,109.76
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	197.48	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	340.48	
For Aluminum, Mill Finish, Add	155.26	
For Aluminum, Anodized Finish, Add	434.45	
08 36 13 00-0032 EA 14' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,103.77	1,254.51
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	231.24	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	398.69	
For Aluminum, Mill Finish, Add	181.80	
For Aluminum, Anodized Finish, Add	508.73	
08 36 13 00-0033 EA 16' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,479.63	772.01
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	135.66	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	233.91	
For Aluminum, Mill Finish, Add	106.66	
For Aluminum, Anodized Finish, Add	298.46	
08 36 13 00-0034 EA 16' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,073.74	965.00
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	165.84	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	285.93	
For Aluminum, Mill Finish, Add	130.38	
For Aluminum, Anodized Finish, Add	364.85	
08 36 13 00-0035 EA 16' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,598.82	1,109.76
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	200.00	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	344.83	
For Aluminum, Mill Finish, Add	157.24	
For Aluminum, Anodized Finish, Add	440.00	
08 36 13 00-0036 EA 16' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,241.28	1,254.51
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	251.18	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	433.07	
For Aluminum, Mill Finish, Add	197.48	
For Aluminum, Anodized Finish, Add	552.59	
08 36 13 00-0037 EA 16' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,930.74	1,447.50
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	295.18	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	508.93	
For Aluminum, Mill Finish, Add	232.07	
For Aluminum, Anodized Finish, Add	649.39	
08 36 13 00-0038 EA 18' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,144.34	965.00
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	176.08	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	303.58	
For Aluminum, Mill Finish, Add	138.43	
For Aluminum, Anodized Finish, Add	387.37	
08 36 13 00-0039 EA 18' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,725.34	1,109.76
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	218.35	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	376.46	
For Aluminum, Mill Finish, Add	171.67	
For Aluminum, Anodized Finish, Add	480.36	
08 36 13 00-0040 EA 18' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,442.96	1,254.51
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	280.42	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	483.49	
For Aluminum, Mill Finish, Add	220.47	
For Aluminum, Anodized Finish, Add	616.93	
08 36 13 00-0041 EA 18' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,133.34	1,447.50
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	324.55	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	559.58	
For Aluminum, Mill Finish, Add	255.17	
For Aluminum, Anodized Finish, Add	714.02	
08 36 13 00-0042 EA 18' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,880.55	1,640.51
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	376.93	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	649.88	
For Aluminum, Mill Finish, Add	296.34	
For Aluminum, Anodized Finish, Add	829.24	
08 36 13 00-0043 EA 20' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,581.41	1,109.76
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	197.48	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	340.48	
For Aluminum, Mill Finish, Add	155.26	
For Aluminum, Anodized Finish, Add	434.45	
08 36 13 00-0044 EA 20' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,162.45	1,254.51
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	239.75	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	413.36	
For Aluminum, Mill Finish, Add	188.49	
For Aluminum, Anodized Finish, Add	527.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0045 EA 20' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,062.75	1,447.50
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	314.32	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	541.93	
<i>For Aluminum, Mill Finish, Add</i>	247.12	
<i>For Aluminum, Anodized Finish, Add</i>	691.50	
08 36 13 00-0046 EA 20' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,753.12	1,640.51
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	358.45	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	618.02	
<i>For Aluminum, Mill Finish, Add</i>	281.82	
<i>For Aluminum, Anodized Finish, Add</i>	788.59	
08 36 13 00-0047 EA 20' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,962.37	1,833.51
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	477.82	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	823.83	
<i>For Aluminum, Mill Finish, Add</i>	375.67	
<i>For Aluminum, Anodized Finish, Add</i>	1,051.21	
08 36 13 00-0048 EA 22' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,001.09	1,254.51
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	216.35	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	373.02	
<i>For Aluminum, Mill Finish, Add</i>	170.10	
<i>For Aluminum, Anodized Finish, Add</i>	475.97	
08 36 13 00-0049 EA 22' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,865.66	1,447.50
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	285.74	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	492.66	
<i>For Aluminum, Mill Finish, Add</i>	224.65	
<i>For Aluminum, Anodized Finish, Add</i>	628.63	
08 36 13 00-0050 EA 22' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,711.87	1,640.51
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	352.47	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	607.71	
<i>For Aluminum, Mill Finish, Add</i>	277.11	
<i>For Aluminum, Anodized Finish, Add</i>	775.43	
08 36 13 00-0051 EA 22' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,666.26	1,833.51
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	434.89	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	749.80	
<i>For Aluminum, Mill Finish, Add</i>	341.91	
<i>For Aluminum, Anodized Finish, Add</i>	956.75	
08 36 13 00-0052 EA 22' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,487.68	2,026.51
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	498.03	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	858.67	
<i>For Aluminum, Mill Finish, Add</i>	391.55	
<i>For Aluminum, Anodized Finish, Add</i>	1,095.66	
08 36 13 00-0053 EA 24' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,476.05	1,447.50
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	229.25	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	395.26	
<i>For Aluminum, Mill Finish, Add</i>	180.24	
<i>For Aluminum, Anodized Finish, Add</i>	504.35	
08 36 13 00-0054 EA 24' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,369.00	1,640.51
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	302.75	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	521.99	
<i>For Aluminum, Mill Finish, Add</i>	238.03	
<i>For Aluminum, Anodized Finish, Add</i>	666.06	
08 36 13 00-0055 EA 24' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,420.57	1,833.51
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	399.26	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	688.38	
<i>For Aluminum, Mill Finish, Add</i>	313.90	
<i>For Aluminum, Anodized Finish, Add</i>	878.37	
08 36 13 00-0056 EA 24' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,161.33	2,026.51
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	450.70	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	777.08	
<i>For Aluminum, Mill Finish, Add</i>	354.35	
<i>For Aluminum, Anodized Finish, Add</i>	991.55	
08 36 13 00-0057 EA 24' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,999.28	2,219.51
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	516.24	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	890.07	
<i>For Aluminum, Mill Finish, Add</i>	405.87	
<i>For Aluminum, Anodized Finish, Add</i>	1,135.72	
08 36 13 00-0058 Insulated, 24 Gauge Galvanized Steel Sectional Doors <small>(08 36 13 00-0014)</small>		
<small>Note: Includes 2" door with polystyrene insulation, 26 gauge interior cover, tracks and hardware. Excludes frame.</small>		
08 36 13 00-0059 EA 8' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,511.48	337.75
<i>For Aluminum, Mill Finish, Add</i>	95.30	
<i>For Aluminum, Anodized Finish, Add</i>	266.67	
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	41.80	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	183.91	
08 36 13 00-0060 EA 8' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,790.39	386.00
<i>For Aluminum, Mill Finish, Add</i>	116.10	
<i>For Aluminum, Anodized Finish, Add</i>	324.86	
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	50.92	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	224.04	
08 36 13 00-0061 EA 8' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,204.67	482.50
<i>For Aluminum, Mill Finish, Add</i>	141.32	
<i>For Aluminum, Anodized Finish, Add</i>	395.45	
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	61.98	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	272.73	

08 Openings**08 30 Specialty Doors And Frames****08 36 Panel Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0062	EA		10' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,753.20	386.00
			<i>For Aluminum, Mill Finish, Add</i>	111.86	
			<i>For Aluminum, Anodized Finish, Add</i>	313.00	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	49.06	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	215.86	
08 36 13 00-0063	EA		10' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,158.86	482.50
			<i>For Aluminum, Mill Finish, Add</i>	136.10	
			<i>For Aluminum, Anodized Finish, Add</i>	380.84	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	59.69	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	262.65	
08 36 13 00-0064	EA		10' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,753.52	627.25
			<i>For Aluminum, Mill Finish, Add</i>	170.89	
			<i>For Aluminum, Anodized Finish, Add</i>	478.18	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	74.95	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	329.78	
08 36 13 00-0065	EA		10' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,224.56	772.01
			<i>For Aluminum, Mill Finish, Add</i>	191.58	
			<i>For Aluminum, Anodized Finish, Add</i>	536.10	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	84.03	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	369.72	
08 36 13 00-0066	EA		12' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,088.84	482.50
			<i>For Aluminum, Mill Finish, Add</i>	128.12	
			<i>For Aluminum, Anodized Finish, Add</i>	358.50	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	56.19	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	247.24	
08 36 13 00-0067	EA		12' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,621.26	627.25
			<i>For Aluminum, Mill Finish, Add</i>	155.81	
			<i>For Aluminum, Anodized Finish, Add</i>	435.99	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	68.34	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	300.69	
08 36 13 00-0068	EA		12' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,201.23	772.01
			<i>For Aluminum, Mill Finish, Add</i>	188.92	
			<i>For Aluminum, Anodized Finish, Add</i>	528.65	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	82.86	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	364.59	
08 36 13 00-0069	EA		12' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,752.66	916.76
			<i>For Aluminum, Mill Finish, Add</i>	218.78	
			<i>For Aluminum, Anodized Finish, Add</i>	612.21	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	95.96	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	422.21	
08 36 13 00-0070	EA		12' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,553.60	1,109.76
			<i>For Aluminum, Mill Finish, Add</i>	266.09	
			<i>For Aluminum, Anodized Finish, Add</i>	744.58	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	116.71	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	513.50	
08 36 13 00-0071	EA		14' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,518.39	627.25
			<i>For Aluminum, Mill Finish, Add</i>	144.08	
			<i>For Aluminum, Anodized Finish, Add</i>	403.18	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	63.19	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	278.05	
08 36 13 00-0072	EA		14' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,119.10	772.01
			<i>For Aluminum, Mill Finish, Add</i>	179.56	
			<i>For Aluminum, Anodized Finish, Add</i>	502.45	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	78.75	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	346.52	
08 36 13 00-0073	EA		14' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,812.00	965.00
			<i>For Aluminum, Mill Finish, Add</i>	214.55	
			<i>For Aluminum, Anodized Finish, Add</i>	600.35	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	94.10	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	414.04	
08 36 13 00-0074	EA		14' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,474.06	1,109.76
			<i>For Aluminum, Mill Finish, Add</i>	257.02	
			<i>For Aluminum, Anodized Finish, Add</i>	719.20	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	112.73	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	496.00	
08 36 13 00-0075	EA		14' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,122.33	1,254.51
			<i>For Aluminum, Mill Finish, Add</i>	297.92	
			<i>For Aluminum, Anodized Finish, Add</i>	833.65	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	130.67	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	574.93	
08 36 13 00-0076	EA		16' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,030.06	772.01
			<i>For Aluminum, Mill Finish, Add</i>	169.41	
			<i>For Aluminum, Anodized Finish, Add</i>	474.05	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	74.30	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	326.93	
08 36 13 00-0077	EA		16' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,881.16	965.00
			<i>For Aluminum, Mill Finish, Add</i>	222.43	
			<i>For Aluminum, Anodized Finish, Add</i>	622.41	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	97.56	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	429.25	
08 36 13 00-0078	EA		16' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,520.74	1,109.76
			<i>For Aluminum, Mill Finish, Add</i>	262.34	
			<i>For Aluminum, Anodized Finish, Add</i>	734.10	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	115.06	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	506.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0079 EA 16' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,163.82	1,254.51
<i>For Aluminum, Mill Finish, Add</i>	302.65	
<i>For Aluminum, Anodized Finish, Add</i>	846.88	
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	132.74	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	584.06	
08 36 13 00-0080 EA 18' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,082.35	1,447.50
<i>For Aluminum, Mill Finish, Add</i>	363.35	
<i>For Aluminum, Anodized Finish, Add</i>	1,016.76	
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	159.37	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	701.21	
08 36 13 00-0081 EA 18' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,545.74	965.00
<i>For Aluminum, Mill Finish, Add</i>	184.19	
<i>For Aluminum, Anodized Finish, Add</i>	515.41	
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	80.79	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	355.46	
08 36 13 00-0082 EA 18' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,336.61	1,109.76
<i>For Aluminum, Mill Finish, Add</i>	241.35	
<i>For Aluminum, Anodized Finish, Add</i>	675.36	
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	105.86	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	465.76	
08 36 13 00-0083 EA 18' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,011.67	1,254.51
<i>For Aluminum, Mill Finish, Add</i>	285.30	
<i>For Aluminum, Anodized Finish, Add</i>	798.35	
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	125.13	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	550.59	
08 36 13 00-0084 EA 18' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,170.53	1,447.50
<i>For Aluminum, Mill Finish, Add</i>	373.41	
<i>For Aluminum, Anodized Finish, Add</i>	1,044.88	
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	163.78	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	720.61	
08 36 13 00-0085 EA 18' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,797.72	1,640.51
<i>For Aluminum, Mill Finish, Add</i>	400.90	
<i>For Aluminum, Anodized Finish, Add</i>	1,121.82	
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	175.83	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	773.67	
08 36 13 00-0086 EA 20' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,320.18	1,109.76
<i>For Aluminum, Mill Finish, Add</i>	239.48	
<i>For Aluminum, Anodized Finish, Add</i>	670.12	
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	105.03	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	462.15	
08 36 13 00-0087 EA 20' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,049.71	1,254.51
<i>For Aluminum, Mill Finish, Add</i>	289.64	
<i>For Aluminum, Anodized Finish, Add</i>	810.48	
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	127.04	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	558.95	
08 36 13 00-0088 EA 20' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,347.74	1,447.50
<i>For Aluminum, Mill Finish, Add</i>	393.61	
<i>For Aluminum, Anodized Finish, Add</i>	1,101.41	
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	172.64	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	759.60	
08 36 13 00-0089 EA 20' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,955.92	1,640.51
<i>For Aluminum, Mill Finish, Add</i>	418.94	
<i>For Aluminum, Anodized Finish, Add</i>	1,172.29	
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	183.74	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	808.47	
08 36 13 00-0090 EA 20' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,030.91	1,833.51
<i>For Aluminum, Mill Finish, Add</i>	497.48	
<i>For Aluminum, Anodized Finish, Add</i>	1,392.07	
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	218.19	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	960.05	
08 36 13 00-0091 EA 22' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,765.30	1,254.51
<i>For Aluminum, Mill Finish, Add</i>	257.22	
<i>For Aluminum, Anodized Finish, Add</i>	719.76	
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	112.81	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	496.38	
08 36 13 00-0092 EA 22' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,820.42	1,447.50
<i>For Aluminum, Mill Finish, Add</i>	333.49	
<i>For Aluminum, Anodized Finish, Add</i>	933.20	
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	146.27	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	643.59	
08 36 13 00-0093 EA 22' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,860.84	1,640.51
<i>For Aluminum, Mill Finish, Add</i>	408.10	
<i>For Aluminum, Anodized Finish, Add</i>	1,141.96	
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	178.99	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	787.56	
08 36 13 00-0094 EA 22' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,703.28	1,833.51
<i>For Aluminum, Mill Finish, Add</i>	460.13	
<i>For Aluminum, Anodized Finish, Add</i>	1,287.56	
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	201.81	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	887.97	
08 36 13 00-0095 EA 22' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,743.65	2,026.51
<i>For Aluminum, Mill Finish, Add</i>	534.73	
<i>For Aluminum, Anodized Finish, Add</i>	1,496.31	
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	234.53	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,031.94	

08 Openings**08 30 Specialty Doors And Frames****08 36 Panel Doors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0096 EA 24' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,342.36	1,447.50
For Aluminum, Mill Finish, Add	279.00	
For Aluminum, Anodized Finish, Add	780.70	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	122.37	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	538.41	
08 36 13 00-0097 EA 24' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,493.44	1,640.51
For Aluminum, Mill Finish, Add	366.21	
For Aluminum, Anodized Finish, Add	1,024.76	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	160.62	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	706.73	
08 36 13 00-0098 EA 24' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,484.58	1,833.51
For Aluminum, Mill Finish, Add	435.20	
For Aluminum, Anodized Finish, Add	1,217.79	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	190.88	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	839.86	
08 36 13 00-0099 EA 24' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,526.68	2,026.51
For Aluminum, Mill Finish, Add	510.00	
For Aluminum, Anodized Finish, Add	1,427.10	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	223.68	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	984.21	
08 36 13 00-0100 EA 24' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	9,554.12	2,219.51
For Aluminum, Mill Finish, Add	583.12	
For Aluminum, Anodized Finish, Add	1,631.72	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	255.76	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	1,125.32	
08 36 13 00-0101 Residential Grade, Galvanized Steel Sectional Overhead Doors (08 36 13 00-0013)		
Note: Includes track and hardware. Excludes frame.		
08 36 13 00-0102 EA 9' x 7', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift.....	1,012.30	193.00
For Aluminum And Fiberglass, Add	164.24	
For Each Glass Vision Panel In Door, Add	27.00	
For Insulated Door, Add	280.79	
08 36 13 00-0103 EA 9' x 8', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift.....	1,107.38	193.00
For Aluminum And Fiberglass, Add	193.71	
For Each Glass Vision Panel In Door, Add	27.00	
For Insulated Door, Add	331.19	
08 36 13 00-0104 EA 16' x 7', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift.....	1,426.95	220.80
For Aluminum And Fiberglass, Add	271.61	
For Each Glass Vision Panel In Door, Add	27.00	
For Insulated Door, Add	464.36	
08 36 13 00-0105 EA 16' x 8', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift.....	1,576.35	220.80
For Aluminum And Fiberglass, Add	317.92	
For Each Glass Vision Panel In Door, Add	27.00	
For Insulated Door, Add	543.54	
08 36 13 00-0106 Remove And Reinstall Sectional Metal Overhead Doors And Supports (08 36 13 00-0013)		
Note: Includes storage, cleaning and supply materials.		
08 36 13 00-0107 SF Removal And Reinstallation Of Sectional Metal Overhead Door And Supports.....	13.78	
08 36 13 00-0108 Sectional Fiberglass Overhead Doors (Width x Height) (08 36 13)		
08 36 13 00-0109 Fiberglass Sectional Overhead Doors (08 36 13 00-0108)		
08 36 13 00-0110 Non-Insulated, Fiberglass Sectional Doors (08 36 13 00-0109)		
Note: Includes 2" door, tracks and hardware. Excludes frame.		
08 36 13 00-0111 EA 8' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	1,433.14	337.75
08 36 13 00-0112 EA 8' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	1,685.31	386.00
08 36 13 00-0113 EA 8' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	2,021.58	482.50
08 36 13 00-0114 EA 10' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	1,670.35	386.00
08 36 13 00-0115 EA 10' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	1,964.89	434.26
08 36 13 00-0116 EA 10' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	2,515.76	603.13
08 36 13 00-0117 EA 10' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	3,068.58	772.01
08 36 13 00-0118 EA 12' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	2,000.40	482.50
08 36 13 00-0119 EA 12' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	2,507.04	603.13
08 36 13 00-0120 EA 12' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	3,008.42	723.75
08 36 13 00-0121 EA 12' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	3,750.38	965.00
08 36 13 00-0122 EA 12' x 16', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	4,398.53	1,158.01
08 36 13 00-0123 EA 14' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	2,523.25	675.51
08 36 13 00-0124 EA 14' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	3,016.25	772.01
08 36 13 00-0125 EA 14' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	3,705.53	965.00
08 36 13 00-0126 EA 14' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	4,393.55	1,158.01
08 36 13 00-0127 EA 14' x 16', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	4,890.10	1,254.51
08 36 13 00-0128 EA 16' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	2,870.47	772.01
08 36 13 00-0129 EA 16' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	3,392.76	868.50
08 36 13 00-0130 EA 16' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	4,116.00	1,061.51
08 36 13 00-0131 EA 16' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	4,831.54	1,254.51
08 36 13 00-0132 EA 16' x 16', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	5,355.50	1,351.01

08 36 13 00-0133 Insulated, Fiberglass Sectional Doors (08 36 13 00-0109)

Note: Includes 2" door with polystyrene insulation, tracks and hardware. Excludes frame.



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0134	EA			8' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	1,683.13	337.75
08 36 13 00-0135	EA			8' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	1,986.69	386.00
08 36 13 00-0136	EA			8' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	2,370.25	482.50
08 36 13 00-0137	EA			10' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	1,966.81	386.00
08 36 13 00-0138	EA			10' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	2,326.72	434.26
08 36 13 00-0139	EA			10' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	2,947.90	603.13
08 36 13 00-0140	EA			10' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,571.85	772.01
08 36 13 00-0141	EA			12' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	2,342.08	482.50
08 36 13 00-0142	EA			12' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	2,936.30	603.13
08 36 13 00-0143	EA			12' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,523.62	723.75
08 36 13 00-0144	EA			12' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	4,351.10	965.00
08 36 13 00-0145	EA			12' x 16', Insulated, Fiberglass Sectional Door, Manual Lift.....	5,086.01	1,158.01
08 36 13 00-0146	EA			14' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	2,910.16	675.51
08 36 13 00-0147	EA			14' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,502.25	772.01
08 36 13 00-0148	EA			14' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	4,291.44	965.00
08 36 13 00-0149	EA			14' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	5,079.38	1,158.01
08 36 13 00-0150	EA			14' x 16', Insulated, Fiberglass Sectional Door, Manual Lift.....	5,676.26	1,254.51
08 36 13 00-0151	EA			16' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,308.36	772.01
08 36 13 00-0152	EA			16' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,939.21	868.50
08 36 13 00-0153	EA			16' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	4,773.46	1,061.51
08 36 13 00-0154	EA			16' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	5,598.38	1,254.51
08 36 13 00-0155	EA			16' x 16', Insulated, Fiberglass Sectional Door, Manual Lift.....	6,231.29	1,351.01
08 36 13 00-0156				Sectional Overhead Door Accessories (08 36 13)		
08 36 13 00-0157				Sectional Overhead Door Accessories (08 36 13 00-0156)		
08 36 13 00-0158	LF			Flap Seal For Sectional Overhead Doors.....	3.38	
08 36 13 00-0159	LF			Weather Seal At Top Of Door For Sectional Overhead Doors.....	4.82	
08 36 13 00-0160	LF			Astragal Only, Weather Strip At Bottom Of Door For Sectional Overhead Doors.....	2.81	
08 36 13 00-0161	EA			Cylinder Lock For Sectional Overhead Doors.....	279.55	
08 36 13 00-0162	EA			Manual Chain Hoist For Sectional Overhead Doors.....	461.36	
08 36 13 00-0163	EA			Electric Chain Lift Operator For Sectional Overhead Doors.....	1,845.48	
				Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 36 13 00-0164	EA			1/2 HP Trolley Operator For Sectional Overhead Doors.....	840.07	
				Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 36 13 00-0165	SF			Up To 2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors.....	21.01	
				Note: Additional cost for factory supplied.		
08 36 13 00-0166	SF			>2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors.....	13.10	
				Note: Additional cost for factory supplied.		
08 36 13 00-0167	SF			Up To 2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors.....	21.96	
				Note: Additional cost for factory supplied.		
08 36 13 00-0168	SF			>2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors.....	14.97	
				Note: Additional cost for factory supplied.		
08 36 13 00-0169	SF			Up To 2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors.....	35.33	
				Note: Additional cost for factory supplied.		
08 36 13 00-0170	SF			>2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors.....	23.85	
				Note: Additional cost for factory supplied.		
08 36 13 00-0171	EA			Vertical Lift Track For Sectional Overhead Doors Up To 12' High Door.....	389.30	
				Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.		
08 36 13 00-0172	EA			Vertical Lift Track For Sectional Overhead Doors >12' To 16' High Door.....	602.86	
				Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.		
08 36 13 00-0173	EA			Vertical Lift Track For Sectional Overhead Doors >16' To 20' High Door.....	912.27	
				Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.		
08 36 13 00-0174	SF			25,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors.....	0.95	
				Note: Additional cost for factory supplied/installed spring. Per SF of Door.		
08 36 13 00-0175	SF			50,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors.....	1.22	
				Note: Additional cost for factory supplied/installed spring. Per SF of Door.		
08 36 13 00-0176	SF			100,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors.....	1.61	
				Note: Additional cost for factory supplied/installed spring. Per SF of Door.		
08 36 13 00-0177				Sectional Overhead Door Accessories (Overhead Door Company) (08 36 13 00-0156)		
				See CSI section 08 33 23 11-0202 for safety edge bottom bar.		
08 38				Traffic Doors (08 30)		
08 38 13				Flexible Strip Doors (08 38)		
08 38 13 00-0001				Clear Polyvinyl Chloride (PVC) Strip Doors (08 38 13)		
08 38 13 00-0002	SF			8" Smooth Strip, 0.080" Thick, 50% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	10.19	4.83
				For Cooler/Freezer Doors, USDA Grade, Add	0.54	
				Note: Low temperature to -40 degree F.		
				For Ribbed Strip Material, Add	1.13	
08 38 13 00-0003	SF			8" Smooth Strip, 0.080" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	12.87	5.31
				For Cooler/Freezer Doors, USDA Grade, Add	0.76	
				Note: Low temperature to -40 degree F.		
				For Ribbed Strip Material, Add	1.59	
08 38 13 00-0004	SF			12" Smooth Strip, 0.120" Thick, 66% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	11.58	4.83
				For Cooler/Freezer Doors, USDA Grade, Add	0.68	
				Note: Low temperature to -40 degree F.		
				For Ribbed Strip Material, Add	1.42	

08	Openings
08 30	Specialty Doors And Frames
08 38	Traffic Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 13 00-0005	SF		12" Smooth Strip, 0.120" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door..... <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i> <i>For Ribbed Strip Material, Add</i>	13.79 0.85 1.78	5.31
08 38 13 00-0006	SF		16" Smooth Strip, 0.160" Thick, 75% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door..... <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i> <i>For Ribbed Strip Material, Add</i>	13.41 0.86 1.80	4.83
08 38 13 00-0007			Clear Polyvinyl Chloride (PVC) Replacement Strips (08 38 13)		
08 38 13 00-0008	EA		8" Smooth Strip, 0.080" Thick, 7' Long, Replacement Strip..... <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i> <i>For Ribbed Strip Material, Add</i>	26.80 1.72 3.60	9.65
08 38 13 00-0009	EA		8" Smooth Strip, 0.080" Thick, 8' Long, Replacement Strip..... <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i> <i>For Ribbed Strip Material, Add</i>	29.38 1.97 4.14	9.65
08 38 13 00-0010	EA		12" Smooth Strip, 0.120" Thick, 8' Long, Replacement Strip..... <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i> <i>For Ribbed Strip Material, Add</i>	54.38 4.47 9.39	9.65
08 38 13 00-0011	EA		12" Smooth Strip, 0.120" Thick, 10' Long, Replacement Strip..... <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i> <i>For Ribbed Strip Material, Add</i>	65.23 5.56 11.67	9.65
08 38 13 00-0012	EA		12" Smooth Strip, 0.120" Thick, 12' Long, Replacement Strip..... <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i> <i>For Ribbed Strip Material, Add</i>	76.45 6.68 14.03	9.65
08 38 13 00-0013	EA		16" Smooth Strip, 0.160" Thick, 15' Long, Replacement Strip..... <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i> <i>For Ribbed Strip Material, Add</i>	125.37 11.57 24.30	9.65
08 38 16			Flexible Traffic Doors (08 38)		
			<i>Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.</i>		
08 38 16 00-0001			0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (TMI Mega-Pro) (08 38 16)		
08 38 16 00-0002			Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (08 38 16 00-0001)		
08 38 16 00-0003			Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (08 38 16 00-0002)		
08 38 16 00-0004	EA		72" x 84" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	1,823.21	96.50
08 38 16 00-0005	EA		72" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	1,963.34	96.50
08 38 16 00-0006	EA		96" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	4,002.60	110.97
08 38 16 00-0007	EA		96" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	4,487.98	120.63
08 38 16 00-0008	EA		108" x 108" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	6,913.08	120.63
08 38 16 00-0009	EA		108" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	7,226.80	120.63
08 38 16 00-0010	EA		120" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	8,053.56	144.75
08 38 16 00-0011			Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (08 38 16 00-0002)		
08 38 16 00-0012	EA		72" x 84" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	2,018.29	96.50
08 38 16 00-0013	EA		72" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	2,174.34	96.50
08 38 16 00-0014	EA		96" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	4,721.17	110.97
08 38 16 00-0015	EA		96" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	5,203.37	120.63
08 38 16 00-0016	EA		108" x 108" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	7,733.53	120.63
08 38 16 00-0017	EA		108" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	8,052.65	120.63
08 38 16 00-0018	EA		120" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	8,972.34	144.75
08 38 16 00-0019			0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (Eliason FMP) (08 38 16) <i>Note: Includes pebble embossed finish and a 14" x 16" vinyl window.</i>		
08 38 16 00-0020			Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (08 38 16 00-0019)		
08 38 16 00-0021			84" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (08 38 16 00-0020)		



Openings	08	08
Specialty Doors And Frames	08 30	
Traffic Doors	08 38	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 16 00-0022	EA		24" To 36" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	917.96	53.07
08 38 16 00-0023	EA		40" To 44" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	986.35	53.07
08 38 16 00-0024			96" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors <small>(08 38 16 00-0020)</small>		
08 38 16 00-0025	EA		24" To 36" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	986.35	53.07
08 38 16 00-0026	EA		40" To 44" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	1,005.63	53.07
08 38 16 00-0027			Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors <small>(08 38 16 00-0019)</small>		
08 38 16 00-0028			84" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors <small>(08 38 16 00-0027)</small>		
08 38 16 00-0029	EA		48" To 72" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	1,806.97	91.68
08 38 16 00-0030	EA		80" To 88" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	1,943.73	91.68
08 38 16 00-0031			96" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors <small>(08 38 16 00-0027)</small>		
08 38 16 00-0032	EA		48" To 72" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	1,943.73	91.68
08 38 16 00-0033	EA		80" To 88" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	1,982.31	91.68
08 38 19			Rigid Traffic Doors <small>(08 38)</small>		
			Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.		
08 38 19 00-0001			0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (Eliason LWP-3) <small>(08 38 19)</small>		
			Note: Includes delta formed vertical edges and a 9" x 14" acrylic window.		
08 38 19 00-0002			Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors <small>(08 38 19 00-0001)</small>		
08 38 19 00-0003			84" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors <small>(08 38 19 00-0002)</small>		
08 38 19 00-0004	EA		24" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	470.85	53.07
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0005	EA		28" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	502.41	53.07
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0006	EA		30" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	519.51	55.49
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0007	EA		32" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	538.80	55.49
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0008	EA		36" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	562.94	57.90
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0009	EA		40" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	605.02	57.90
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0010	EA		42" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	631.74	65.14
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0011			96" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors <small>(08 38 19 00-0002)</small>		
08 38 19 00-0012	EA		24" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	525.20	53.07
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	

08	Openings
08 30	Specialty Doors And Frames
08 38	Traffic Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0013	EA		28" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	549.75	53.07
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0014	EA		30" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	568.61	55.49
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0015	EA		32" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	582.63	55.49
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0016	EA		36" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	634.83	57.90
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0017	EA		40" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	645.35	57.90
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0018	EA		42" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	670.32	65.14
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0019			Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors <small>(08 38 19 00-0001)</small>		
08 38 19 00-0020			84" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors <small>(08 38 19 00-0019)</small>		
08 38 19 00-0021	EA		48" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	912.73	91.68
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0022	EA		56" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	975.86	91.68
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0023	EA		60" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,000.40	91.68
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0024	EA		64" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,038.98	91.68
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0025	EA		72" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,087.23	96.50
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0026	EA		80" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,171.40	96.50
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0027	EA		84" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,195.94	96.50
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0028			96" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors <small>(08 38 19 00-0019)</small>		
08 38 19 00-0029	EA		48" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,021.45	91.68
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0030	EA		56" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,070.54	91.68
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0031	EA		60" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,098.59	91.68
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0032	EA		64" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,126.65	91.68
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0033	EA		72" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,231.01	96.50
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0034	EA		80" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,252.05	96.50
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0035	EA		84" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,273.09	96.50
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0036			3/4" Thick, Polymer Cell Core Impact Traffic Doors (Eliason P-11 Plus) <small>(08 38 19)</small>		
			Note: Includes 0.125" thick thermoplastic exterior finish, 14 gauge back channel and a 14" x 16" acrylic window.		
08 38 19 00-0037			Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0036)</small>		
08 38 19 00-0038			84" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0037)</small>		
08 38 19 00-0039	EA		24" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	793.47	53.07
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0040	EA		28" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	875.88	53.07
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0041	EA		30" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	914.03	55.49
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0042	EA		32" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	949.10	55.49
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0043	EA		36" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	964.47	57.90
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0044	EA		40" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,036.36	57.90
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0045	EA		42" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,115.68	65.14
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0046	EA		44" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,127.95	65.14
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0047			96" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0037)</small>		
08 38 19 00-0048	EA		24" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	863.61	53.07
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0049	EA		28" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	949.53	53.07
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0050	EA		30" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	987.67	55.49
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0051	EA		32" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,031.51	55.49
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0052	EA		36" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,067.92	57.90
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0053	EA		40" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,138.05	57.90
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	

08 Openings**08 30 Specialty Doors And Frames****08 38 Traffic Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0054	EA		42" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,180.56 6.00 19.00	65.14
08 38 19 00-0055	EA		44" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,224.39 6.00 19.00	65.14
08 38 19 00-0056			Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0036)</small>		
08 38 19 00-0057			84" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0056)</small>		
08 38 19 00-0058	EA		48" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,557.99 6.00 19.00	91.68
08 38 19 00-0059	EA		56" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,722.81 6.00 19.00	91.68
08 38 19 00-0060	EA		60" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,789.43 6.00 19.00	91.68
08 38 19 00-0061	EA		64" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,859.57 6.00 19.00	91.68
08 38 19 00-0062	EA		72" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,890.29 6.00 19.00	96.50
08 38 19 00-0063	EA		80" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,034.07 6.00 19.00	96.50
08 38 19 00-0064	EA		84" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,163.82 6.00 19.00	96.50
08 38 19 00-0065	EA		88" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,188.37 6.00 19.00	96.50
08 38 19 00-0066			96" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0056)</small>		
08 38 19 00-0067	EA		48" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,698.26 6.00 19.00	91.68
08 38 19 00-0068	EA		56" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,870.09 6.00 19.00	91.68
08 38 19 00-0069	EA		60" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,936.72 6.00 19.00	91.68
08 38 19 00-0070	EA		64" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,024.39 6.00 19.00	91.68
08 38 19 00-0071	EA		72" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,097.19 6.00 19.00	96.50
08 38 19 00-0072	EA		80" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,237.46 6.00 19.00	96.50
08 38 19 00-0073	EA		84" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,293.57 6.00 19.00	96.50
08 38 19 00-0074	EA		88" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,381.24 6.00 19.00	96.50
08 38 19 00-0075			3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (Eliason PMP-2) <small>(08 38 19)</small> Note: Includes textured finish, 16 gauge back channel and a 14" x 16" window.		
08 38 19 00-0076			Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors <small>(08 38 19 00-0075)</small>		
08 38 19 00-0077			84" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors <small>(08 38 19 00-0076)</small>		
08 38 19 00-0078	EA		24" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	835.55 6.00 19.00	53.07
08 38 19 00-0079	EA		28" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	940.76 6.00 19.00	53.07
08 38 19 00-0080	EA		30" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	973.64 6.00 19.00	55.49



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 38 19 00-0081	EA		32" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	984.16 6.00 19.00	55.49
	08 38 19 00-0082	EA		36" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	999.53 6.00 19.00	57.90
	08 38 19 00-0083	EA		40" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,097.72 6.00 19.00	57.90
	08 38 19 00-0084	EA		42" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,192.83 6.00 19.00	65.14
	08 38 19 00-0085	EA		44" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,205.10 6.00 19.00	65.14
08 38 19 00-0086				96" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors <small>(08 38 19 00-0076)</small>		
	08 38 19 00-0087	EA		24" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	858.35 6.00 19.00	53.07
	08 38 19 00-0088	EA		28" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	988.10 6.00 19.00	53.07
	08 38 19 00-0089	EA		30" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,022.74 6.00 19.00	55.49
	08 38 19 00-0090	EA		32" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,036.77 6.00 19.00	55.49
	08 38 19 00-0091	EA		36" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,045.12 6.00 19.00	57.90
	08 38 19 00-0092	EA		40" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,117.01 6.00 19.00	57.90
	08 38 19 00-0093	EA		42" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,210.36 6.00 19.00	65.14
	08 38 19 00-0094	EA		44" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,224.39 6.00 19.00	65.14
08 38 19 00-0095				Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors <small>(08 38 19 00-0075)</small>		
08 38 19 00-0096				84" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors <small>(08 38 19 00-0095)</small>		
	08 38 19 00-0097	EA		48" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,642.15 6.00 19.00	91.68
	08 38 19 00-0098	EA		56" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,852.56 6.00 19.00	91.68
	08 38 19 00-0099	EA		60" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,908.67 6.00 19.00	91.68
	08 38 19 00-0100	EA		64" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,929.71 6.00 19.00	91.68
	08 38 19 00-0101	EA		72" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,960.43 6.00 19.00	96.50
	08 38 19 00-0102	EA		80" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,156.81 6.00 19.00	96.50
	08 38 19 00-0103	EA		84" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,318.12 6.00 19.00	96.50
	08 38 19 00-0104	EA		88" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,342.67 6.00 19.00	96.50
08 38 19 00-0105				96" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors <small>(08 38 19 00-0095)</small>		
	08 38 19 00-0106	EA		48" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,687.74 6.00 19.00	91.68

08	Openings
08 30	Specialty Doors And Frames
08 38	Traffic Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0107	EA		56" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,947.24 6.00 19.00	91.68
08 38 19 00-0108	EA		60" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,006.86 6.00 19.00	91.68
08 38 19 00-0109	EA		64" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,034.91 6.00 19.00	91.68
08 38 19 00-0110	EA		72" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,051.60 6.00 19.00	96.50
08 38 19 00-0111	EA		80" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,195.38 6.00 19.00	96.50
08 38 19 00-0112	EA		84" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,353.19 6.00 19.00	96.50
08 38 19 00-0113	EA		88" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,381.24 6.00 19.00	96.50
08 38 19 00-0114			1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (Eliaison SCP-2) <small>(08 38 19)</small> Note: Includes 0.032" tempered aluminum alloy top panel, 48" high 16 gauge stainless steel front and galvanized back base plate, 14 gauge galvanized steel back channel and a 9" x 14" window.		
08 38 19 00-0115			Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors <small>(08 38 19 00-0114)</small>		
08 38 19 00-0116			84" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors <small>(08 38 19 00-0115)</small>		
08 38 19 00-0117	EA		24" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,045.96 22.00 28.00 41.00	53.07
08 38 19 00-0118	EA		28" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,138.89 22.00 28.00 41.00	53.07
08 38 19 00-0119	EA		30" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,168.27 22.00 28.00 41.00	55.49
08 38 19 00-0120	EA		32" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,191.06 22.00 28.00 41.00	55.49
08 38 19 00-0121	EA		36" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,234.49 22.00 28.00 41.00	57.90
08 38 19 00-0122	EA		40" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,278.32 22.00 28.00 41.00	57.90
08 38 19 00-0123	EA		42" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,327.84 22.00 28.00 41.00	65.14
08 38 19 00-0124	EA		44" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,357.65 22.00 28.00 41.00	65.14
08 38 19 00-0125			96" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors <small>(08 38 19 00-0115)</small>		
08 38 19 00-0126	EA		24" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,124.87 22.00 28.00 41.00	53.07
08 38 19 00-0127	EA		28" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,223.06 22.00 28.00 41.00	53.07
08 38 19 00-0128	EA		30" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,254.19 22.00 28.00 41.00	55.49



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0129	EA			32" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,266.46	55.49
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0130	EA			36" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,306.38	57.90
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0131	EA			40" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,364.24	57.90
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0132	EA			42" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,406.75	65.14
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0133	EA			44" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,436.55	65.14
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0134				Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic		
				Doors <small>(08 38 19 00-0114)</small>		
08 38 19 00-0135				84" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact		
				Traffic Doors <small>(08 38 19 00-0134)</small>		
08 38 19 00-0136	EA			48" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,062.96	91.68
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0137	EA			56" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,248.83	91.68
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0138	EA			60" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,297.92	91.68
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0139	EA			64" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,343.51	91.68
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0140	EA			72" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,430.34	96.50
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0141	EA			80" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,518.01	96.50
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0142	EA			84" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,588.14	96.50
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0143	EA			88" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,647.76	96.50
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0144				96" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact		
				Traffic Doors <small>(08 38 19 00-0134)</small>		
08 38 19 00-0145	EA			48" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,220.77	91.68
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0146	EA			56" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,417.15	91.68
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0147	EA			60" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,469.75	91.68
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0148	EA			64" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,494.30	91.68
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0149	EA			72" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,574.12	96.50
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	

08	Openings
08 30	Specialty Doors And Frames
08 38	Traffic Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0150	EA		80" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,689.84	96.50
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0151	EA		84" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,745.95	96.50
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0152	EA		88" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,805.57	96.50
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0153			1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (Eliaison HCP-10) (08 38 19) Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window and 18" high easy spring bumpers.		
08 38 19 00-0154			Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0153)		
08 38 19 00-0155			84" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0154)		
08 38 19 00-0156	EA		24" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,028.43	53.07
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0157	EA		28" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,079.28	53.07
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0158	EA		30" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,129.70	55.49
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0159	EA		32" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,159.50	55.49
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0160	EA		36" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,238.00	57.90
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0161	EA		40" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,297.61	57.90
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0162	EA		42" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,359.40	65.14
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0163	EA		44" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,415.51	65.14
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0164			90" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0154)		
08 38 19 00-0165	EA		24" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,063.50	53.07
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0166	EA		28" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,124.87	53.07
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0167	EA		30" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,159.50	55.49
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0168	EA		32" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,201.58	55.49
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0169	EA		36" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,285.34	57.90
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0170	EA		40" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,357.23	57.90
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0171	EA		42" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,415.51	65.14
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0172	EA		44" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,468.11	65.14
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0173			96" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0154)		
08 38 19 00-0174	EA		24" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,152.92	53.07
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0175	EA		28" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,165.19	53.07
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 38 19 00-0176	EA		30" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,220.87	55.49
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0177	EA		32" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,259.45	55.49
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0178	EA		36" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,344.95	57.90
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0179	EA		40" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,430.87	57.90
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0180	EA		42" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,485.65	65.14
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0181	EA		44" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,538.25	65.14
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0182			Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0153)</small>		
	08 38 19 00-0183			84" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0182)</small>		
	08 38 19 00-0184	EA		48" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,027.90	91.68
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0185	EA		56" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,129.59	91.68
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0186	EA		60" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,220.77	91.68
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0187	EA		64" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,280.39	91.68
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0188	EA		72" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,437.35	96.50
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0189	EA		80" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,556.58	96.50
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0190	EA		84" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,651.27	96.50
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0191	EA		88" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,763.48	96.50
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0192			90" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0182)</small>		
	08 38 19 00-0193	EA		48" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,098.03	91.68
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0194	EA		56" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,220.77	91.68
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0195	EA		60" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,280.39	91.68
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0196	EA		64" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,364.55	91.68
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0197	EA		72" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,532.04	96.50
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0198	EA		80" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,675.81	96.50
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0199	EA		84" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,763.48	96.50
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0200	EA		88" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,868.69	96.50
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	
	08 38 19 00-0201			96" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0182)</small>		
	08 38 19 00-0202	EA		48" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,276.88	91.68
				<i>For Each 15" x 20" Window, Add</i>	6.00	
				<i>For Each 18" x 30" Window, Add</i>	19.00	

08	Openings
08 30	Specialty Doors And Frames
08 38	Traffic Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0203	EA		56" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,301.43	91.68
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0204	EA		60" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,403.12	91.68
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0205	EA		64" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,480.27	91.68
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0206	EA		72" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,651.27	96.50
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0207	EA		80" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,823.10	96.50
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0208	EA		84" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,903.76	96.50
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0209	EA		88" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,008.96	96.50
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0210			1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (Eliason HFG-10) <small>(08 38 19 00-0210)</small>		
			Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window, 18" high easy spring bumpers, and perimeter gasketing.		
08 38 19 00-0211			Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0210)</small>		
08 38 19 00-0212			84" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0211)</small>		
08 38 19 00-0213	EA		24" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,028.43	53.07
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0214	EA		28" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,079.28	53.07
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0215	EA		30" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,129.70	55.49
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0216	EA		32" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,159.50	55.49
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0217	EA		36" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,238.00	57.90
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0218	EA		40" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,297.61	57.90
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0219	EA		42" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,359.40	65.14
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0220	EA		44" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,415.51	65.14
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0221			90" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0211)</small>		
08 38 19 00-0222	EA		24" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,063.50	53.07
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0223	EA		28" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,124.87	53.07
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0224	EA		30" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,159.50	55.49
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0225	EA		32" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,201.58	55.49
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0226	EA		36" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,285.34	57.90
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0227	EA		40" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,357.23	57.90
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0228	EA		42" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,415.51	65.14
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0229	EA		44" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,468.11	65.14
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	



Openings	08	08
Specialty Doors And Frames	08 30	
Traffic Doors	08 38	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0230 96" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0211)</small>		
08 38 19 00-0231 EA 24" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,152.92	53.07
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0232 EA 28" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,165.19	53.07
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0233 EA 30" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,220.87	55.49
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0234 EA 32" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,259.45	55.49
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0235 EA 36" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,344.95	57.90
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0236 EA 40" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,430.87	57.90
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0237 EA 42" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,485.65	65.14
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0238 EA 44" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	1,538.25	65.14
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0239 Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0210)</small>		
08 38 19 00-0240 84" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0239)</small>		
08 38 19 00-0241 EA 48" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,027.90	91.68
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0242 EA 56" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,129.59	91.68
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0243 EA 60" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,220.77	91.68
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0244 EA 64" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,280.39	91.68
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0245 EA 72" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,437.35	96.50
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0246 EA 80" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,556.58	96.50
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0247 EA 84" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,651.27	96.50
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0248 EA 88" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,763.48	96.50
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0249 90" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0239)</small>		
08 38 19 00-0250 EA 48" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,098.03	91.68
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0251 EA 56" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,220.77	91.68
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0252 EA 60" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,280.39	91.68
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0253 EA 64" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,364.55	91.68
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0254 EA 72" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,532.04	96.50
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0255 EA 80" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,675.81	96.50
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0256 EA 84" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	2,763.48	96.50
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	

08 Openings**08 30 Specialty Doors And Frames****08 38 Traffic Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0257	EA		88" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,868.69 6.00 19.00	96.50
08 38 19 00-0258			96" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (08 38 19 00-0239)		
08 38 19 00-0259	EA		48" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,276.88 6.00 19.00	91.68
08 38 19 00-0260	EA		56" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,301.43 6.00 19.00	91.68
08 38 19 00-0261	EA		60" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,403.12 6.00 19.00	91.68
08 38 19 00-0262	EA		64" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,480.27 6.00 19.00	91.68
08 38 19 00-0263	EA		72" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,651.27 6.00 19.00	96.50
08 38 19 00-0264	EA		80" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,823.10 6.00 19.00	96.50
08 38 19 00-0265	EA		84" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,903.76 6.00 19.00	96.50
08 38 19 00-0266	EA		88" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,008.96 6.00 19.00	96.50
08 38 19 00-0267			Rigid Impact Traffic Door Accessories (08 38 19)		
08 38 19 00-0268			Bumper Strips For Impact Traffic Doors (08 38 19 00-0267) Note: Includes two bumpers per set.		
08 38 19 00-0269	SET		24" Wide, Bumper Strips For Impact Traffic Doors	103.48	38.60
08 38 19 00-0270	SET		30" Wide, Bumper Strips For Impact Traffic Doors	112.24	38.60
08 38 19 00-0271	SET		36" Wide, Bumper Strips For Impact Traffic Doors	119.26	38.60
08 38 19 00-0272	SET		48" Wide, Bumper Strips For Impact Traffic Doors	131.53	38.60
08 38 19 00-0273			Easy Spring Bumpers For Impact Traffic Doors (08 38 19 00-0267) Note: Includes two bumpers per set.		
08 38 19 00-0274	SET		18" Height, Easy Spring Bumpers For Impact Traffic Doors	245.50	38.60
08 38 19 00-0275	SET		24" Height, Easy Spring Bumpers For Impact Traffic Doors	319.14	38.60
08 38 19 00-0276	SET		36" Height, Easy Spring Bumpers For Impact Traffic Doors	461.17	38.60
08 38 19 00-0277	SET		42" Height, Easy Spring Bumpers For Impact Traffic Doors	529.55	38.60
08 38 19 00-0278	SET		48" Height, Easy Spring Bumpers For Impact Traffic Doors	599.69	38.60
08 38 19 00-0279			Scuff Plates For Impact Traffic Doors (08 38 19 00-0267) Note: Includes two 0.090" thermoplastic plates per set.		
08 38 19 00-0280			12" High, Scuff Plates For Impact Traffic Doors (08 38 19 00-0279)		
08 38 19 00-0281	SET		24" Wide x 12" High, Impact Traffic Door Scuff Plates.....	119.26	38.60
08 38 19 00-0282	SET		30" Wide x 12" High, Impact Traffic Door Scuff Plates.....	126.27	38.60
08 38 19 00-0283	SET		36" Wide x 12" High, Impact Traffic Door Scuff Plates.....	135.04	38.60
08 38 19 00-0284	SET		42" Wide x 12" High, Impact Traffic Door Scuff Plates.....	147.31	38.60
08 38 19 00-0285	SET		48" Wide x 12" High, Impact Traffic Door Scuff Plates.....	154.32	38.60
08 38 19 00-0286			24" High, Scuff Plates For Impact Traffic Doors (08 38 19 00-0279)		
08 38 19 00-0287	SET		24" Wide x 24" High, Impact Traffic Door Scuff Plates.....	154.32	38.60
08 38 19 00-0288	SET		30" Wide x 24" High, Impact Traffic Door Scuff Plates.....	185.89	38.60
08 38 19 00-0289	SET		36" Wide x 24" High, Impact Traffic Door Scuff Plates.....	203.42	38.60
08 38 19 00-0290	SET		42" Wide x 24" High, Impact Traffic Door Scuff Plates.....	227.97	38.60
08 38 19 00-0291	SET		48" Wide x 24" High, Impact Traffic Door Scuff Plates.....	243.75	38.60
08 38 19 00-0292			30" High, Scuff Plates For Impact Traffic Doors (08 38 19 00-0279)		
08 38 19 00-0293	SET		24" Wide x 30" High, Impact Traffic Door Scuff Plates.....	185.89	38.60
08 38 19 00-0294	SET		30" Wide x 30" High, Impact Traffic Door Scuff Plates.....	213.94	38.60
08 38 19 00-0295	SET		36" Wide x 30" High, Impact Traffic Door Scuff Plates.....	234.98	38.60
08 38 19 00-0296	SET		42" Wide x 30" High, Impact Traffic Door Scuff Plates.....	273.56	38.60
08 38 19 00-0297	SET		48" Wide x 30" High, Impact Traffic Door Scuff Plates.....	299.86	38.60
08 38 19 00-0298			36" High, Scuff Plates For Impact Traffic Doors (08 38 19 00-0279)		
08 38 19 00-0299	SET		24" Wide x 36" High, Impact Traffic Door Scuff Plates.....	203.42	38.60
08 38 19 00-0300	SET		30" Wide x 36" High, Impact Traffic Door Scuff Plates.....	234.98	38.60



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0301 SET 36" Wide x 36" High, Impact Traffic Door Scuff Plates	270.05	38.60
08 38 19 00-0302 SET 42" Wide x 36" High, Impact Traffic Door Scuff Plates	289.34	38.60
08 38 19 00-0303 SET 48" Wide x 36" High, Impact Traffic Door Scuff Plates	319.14	38.60
08 38 19 00-0304 48" High, Scuff Plates For Impact Traffic Doors (08 38 19 00-0279)		
08 38 19 00-0305 SET 24" Wide x 48" High, Impact Traffic Door Scuff Plates	243.75	38.60
08 38 19 00-0306 SET 30" Wide x 48" High, Impact Traffic Door Scuff Plates	299.86	38.60
08 38 19 00-0307 SET 36" Wide x 48" High, Impact Traffic Door Scuff Plates	319.14	38.60
08 38 19 00-0308 SET 42" Wide x 48" High, Impact Traffic Door Scuff Plates	355.97	38.60
08 38 19 00-0309 SET 48" Wide x 48" High, Impact Traffic Door Scuff Plates	396.29	38.60
08 38 19 00-0310 Base Plates For Impact Traffic Doors (08 38 19 00-0267)		
Note: Includes two base plates per set.		
08 38 19 00-0311 Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0310)		
08 38 19 00-0312 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)		
08 38 19 00-0313 SET 24" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	115.75	38.60
08 38 19 00-0314 SET 30" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	122.76	38.60
08 38 19 00-0315 SET 36" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	126.27	38.60
08 38 19 00-0316 SET 42" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	142.05	38.60
08 38 19 00-0317 SET 48" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	149.06	38.60
08 38 19 00-0318 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)		
08 38 19 00-0319 SET 24" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	142.05	38.60
08 38 19 00-0320 SET 30" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	152.57	38.60
08 38 19 00-0321 SET 36" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	163.09	38.60
08 38 19 00-0322 SET 42" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	171.86	38.60
08 38 19 00-0323 SET 48" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	185.89	38.60
08 38 19 00-0324 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)		
08 38 19 00-0325 SET 24" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	159.58	38.60
08 38 19 00-0326 SET 30" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	168.35	38.60
08 38 19 00-0327 SET 36" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	189.39	38.60
08 38 19 00-0328 SET 42" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	212.19	38.60
08 38 19 00-0329 SET 48" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	222.71	38.60
08 38 19 00-0330 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)		
08 38 19 00-0331 SET 24" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	168.35	38.60
08 38 19 00-0332 SET 30" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	185.89	38.60
08 38 19 00-0333 SET 36" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	212.19	38.60
08 38 19 00-0334 SET 42" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	233.23	38.60
08 38 19 00-0335 SET 48" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	245.50	38.60
08 38 19 00-0336 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)		
08 38 19 00-0337 SET 24" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	208.68	38.60
08 38 19 00-0338 SET 30" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	233.23	38.60
08 38 19 00-0339 SET 36" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	266.54	38.60
08 38 19 00-0340 SET 42" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	282.32	38.60
08 38 19 00-0341 SET 48" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	303.36	38.60
08 38 19 00-0342 Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0310)		
08 38 19 00-0343 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)		
08 38 19 00-0344 SET 24" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	147.31	38.60
08 38 19 00-0345 SET 30" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	154.32	38.60
08 38 19 00-0346 SET 36" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	175.37	38.60
08 38 19 00-0347 SET 42" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	259.53	38.60
08 38 19 00-0348 SET 48" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	215.69	38.60
08 38 19 00-0349 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)		
08 38 19 00-0350 SET 24" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	196.41	38.60
08 38 19 00-0351 SET 30" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	227.97	38.60
08 38 19 00-0352 SET 36" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	259.53	38.60
08 38 19 00-0353 SET 42" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	298.10	38.60
08 38 19 00-0354 SET 48" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	333.17	38.60
08 38 19 00-0355 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)		

08	Openings
08 30	Specialty Doors And Frames
08 38	Traffic Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0356	SET		24" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	220.95	38.60
08 38 19 00-0357	SET		30" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	263.04	38.60
08 38 19 00-0358	SET		36" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	301.61	38.60
08 38 19 00-0359	SET		42" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	341.94	38.60
08 38 19 00-0360	SET		48" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	389.28	38.60
08 38 19 00-0361			36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors ⁽⁰⁸		
			^{38 19 00-0342)}		
08 38 19 00-0362	SET		24" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	252.51	38.60
08 38 19 00-0363	SET		30" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	298.10	38.60
08 38 19 00-0364	SET		36" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	350.71	38.60
08 38 19 00-0365	SET		42" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	401.55	38.60
08 38 19 00-0366	SET		48" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	445.39	38.60
08 38 19 00-0367			48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors ⁽⁰⁸		
			^{38 19 00-0342)}		
08 38 19 00-0368	SET		24" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	308.62	38.60
08 38 19 00-0369	SET		30" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	417.33	38.60
08 38 19 00-0370	SET		36" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	445.39	38.60
08 38 19 00-0371	SET		42" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	529.55	38.60
08 38 19 00-0372	SET		48" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	578.65	38.60
08 38 19 00-0373			One Galvanized And One Stainless Steel, 18 Gauge Base Plates For		
			Impact Traffic Doors ^(08 38 19 00-0310)		
08 38 19 00-0374			12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates		
			For Impact Traffic Doors ^(08 38 19 00-0373)		
08 38 19 00-0375	SET		24" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	133.28	38.60
08 38 19 00-0376	SET		30" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	142.05	38.60
08 38 19 00-0377	SET		36" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	152.57	38.60
08 38 19 00-0378	SET		42" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	164.84	38.60
08 38 19 00-0379	SET		48" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	184.13	38.60
08 38 19 00-0380			24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates		
			For Impact Traffic Doors ^(08 38 19 00-0373)		
08 38 19 00-0381	SET		24" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	171.86	38.60
08 38 19 00-0382	SET		30" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	192.90	38.60
08 38 19 00-0383	SET		36" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	213.94	38.60
08 38 19 00-0384	SET		42" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	236.73	38.60
08 38 19 00-0385	SET		48" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	263.04	38.60
08 38 19 00-0386			30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates		
			For Impact Traffic Doors ^(08 38 19 00-0373)		
08 38 19 00-0387	SET		24" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	192.90	38.60
08 38 19 00-0388	SET		30" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	219.20	38.60
08 38 19 00-0389	SET		36" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	249.01	38.60
08 38 19 00-0390	SET		42" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	285.83	38.60
08 38 19 00-0391	SET		48" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	310.38	38.60
08 38 19 00-0392			36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates		
			For Impact Traffic Doors ^(08 38 19 00-0373)		
08 38 19 00-0393	SET		24" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	213.94	38.60
08 38 19 00-0394	SET		30" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	249.01	38.60
08 38 19 00-0395	SET		36" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	285.83	38.60
08 38 19 00-0396	SET		42" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	322.65	38.60
08 38 19 00-0397	SET		48" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	348.95	38.60
08 38 19 00-0398			48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates		
			For Impact Traffic Doors ^(08 38 19 00-0373)		
08 38 19 00-0399	SET		24" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	263.04	38.60
08 38 19 00-0400	SET		30" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	317.39	38.60
08 38 19 00-0401	SET		36" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	348.95	38.60
08 38 19 00-0402	SET		42" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	412.07	38.60
08 38 19 00-0403	SET		48" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	429.61	38.60
08 38 19 00-0404			Jamb Guards For Impact Traffic Doors ^(08 38 19 00-0267)		
08 38 19 00-0405	EA		3" x 9", Jamb Guard For Impact Traffic Doors	179.75	48.25
08 38 19 00-0406	EA		5" x 18", Jamb Guard For Impact Traffic Doors	232.36	48.25
08 38 19 00-0407	EA		5" x 18", Stainless Steel Jamb Guard For Impact Traffic Doors.....	425.23	48.25



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0408			Other Impact Traffic Door Accessories (08 38 19 00-0267)		
08 38 19 00-0409	EA		Push Plate For Impact Traffic Doors.....	52.17	24.12
08 38 19 00-0410	EA		Pull Handle For Impact Traffic Doors.....	64.45	24.12
08 38 19 00-0411	EA		Deadbolt Lock For Impact Traffic Doors	139.84	24.12
08 38 19 00-0412	PR		Lock Hole Reinforcements For Impact Traffic Doors	171.41	24.12
08 38 19 00-0413	PR		Padlock Brackets For Impact Traffic Doors.....	76.72	24.12
08 38 19 00-0414			Impact Traffic Door Knock Down Frames (08 38 19)		
			Note: Frames are 16 gauge galvanized steel with reinforcement at hardware locations.		
08 38 19 00-0415			Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0414)		
08 38 19 00-0416			84" Height, Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0415)		
08 38 19 00-0417	EA		24" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	457.92	72.38
08 38 19 00-0418	EA		28" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	532.06	79.61
08 38 19 00-0419	EA		30" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	547.65	84.44
08 38 19 00-0420	EA		32" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	567.34	91.68
08 38 19 00-0421	EA		36" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	583.71	96.50
08 38 19 00-0422	EA		40" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	609.44	101.33
08 38 19 00-0423	EA		42" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	629.85	106.16
08 38 19 00-0424	EA		44" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	645.40	110.97
08 38 19 00-0425			90" Height, Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0415)		
08 38 19 00-0426	EA		24" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	465.74	72.38
08 38 19 00-0427	EA		28" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	541.37	79.61
08 38 19 00-0428	EA		30" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	557.13	84.44
08 38 19 00-0429	EA		32" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	576.94	91.68
08 38 19 00-0430	EA		36" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	593.48	96.50
08 38 19 00-0431	EA		40" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	619.61	101.33
08 38 19 00-0432	EA		42" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	640.29	106.16
08 38 19 00-0433	EA		44" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	655.99	110.97
08 38 19 00-0434			96" Height, Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0415)		
08 38 19 00-0435	EA		24" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	476.14	72.38
08 38 19 00-0436	EA		28" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	553.75	79.61
08 38 19 00-0437	EA		30" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	569.70	84.44
08 38 19 00-0438	EA		32" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	586.61	91.68
08 38 19 00-0439	EA		36" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	606.45	96.50
08 38 19 00-0440	EA		40" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	629.78	101.33
08 38 19 00-0441	EA		42" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	654.16	106.16
08 38 19 00-0442	EA		44" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	670.82	108.56
08 38 19 00-0443			Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0414)		
08 38 19 00-0444			84" Height, Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0443)		
08 38 19 00-0445	EA		48" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	654.43	110.97
08 38 19 00-0446	EA		56" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	666.87	112.90
08 38 19 00-0447	EA		60" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	678.98	115.80
08 38 19 00-0448	EA		64" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	698.71	120.63
08 38 19 00-0449	EA		72" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	713.18	125.45
08 38 19 00-0450	EA		80" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	733.35	126.42
08 38 19 00-0451	EA		84" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	747.85	127.87
08 38 19 00-0452	EA		88" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	766.11	130.28
08 38 19 00-0453			90" Height, Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0443)		
08 38 19 00-0454	EA		48" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	665.23	110.97
08 38 19 00-0455	EA		56" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	677.83	112.90
08 38 19 00-0456	EA		60" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	690.17	115.80
08 38 19 00-0457	EA		64" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	710.14	120.63
08 38 19 00-0458	EA		72" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	724.76	125.45
08 38 19 00-0459	EA		80" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	745.36	126.42
08 38 19 00-0460	EA		84" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	760.15	127.87
08 38 19 00-0461	EA		88" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	778.75	130.28
08 38 19 00-0462			96" Height, Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0443)		
08 38 19 00-0463	EA		48" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	677.83	110.97
08 38 19 00-0464	EA		56" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	688.77	112.90
08 38 19 00-0465	EA		60" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	705.02	115.80
08 38 19 00-0466	EA		64" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	721.58	120.63
08 38 19 00-0467	EA		72" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	740.10	125.45
08 38 19 00-0468	EA		80" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	763.07	126.42
08 38 19 00-0469	EA		84" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	776.49	127.87
08 38 19 00-0470	EA		88" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	795.60	130.28

08 Openings**08 40 Entrances, Storefronts, And Curtain Walls****08 38 Traffic Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
08 40 Entrances, Storefronts, And Curtain Walls (08)**08 42 Entrances** (08 40)**08 42 13 Aluminum-Framed Entrances** (08 42)**08 42 13 00-0001 Aluminum Framed Entrance Doors** (08 42 13)

Note: Includes frame, trim, necessary anchors, tempered glass, standard hardware (hinges, pull handle, push plate, threshold, door sweep) and prepared for panic device. Fixed doors mullion (on pairs). Excludes exit device and closer. Special-Lite. See CSI section 08 71 11 00-2087 for exit device, 08 71 11 00-2235 for closer.

08 42 13 00-0002	EA	3' x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-14).....	4,144.82	599.91
		<i>For 8' High Door, Add</i>	373.22	
		<i>For 10' High Door, Add</i>	811.35	
		<i>For 1" Insulated Glazing, Add</i>	69.21	
08 42 13 00-0003	EA	3'-6" x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-14).....	4,165.85	599.91
		<i>For 8' High Door, Add</i>	375.64	
		<i>For 10' High Door, Add</i>	816.61	
		<i>For 1" Insulated Glazing, Add</i>	69.21	
08 42 13 00-0004	PR	6' x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-14).....	6,969.70	899.69
		<i>For 8' High Door, Add</i>	646.67	
		<i>For 10' High Door, Add</i>	1,405.82	
		<i>For 1" Insulated Glazing, Add</i>	138.42	
08 42 13 00-0005	PR	7' x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-14).....	8,004.37	899.69
		<i>For 8' High Door, Add</i>	765.66	
		<i>For 10' High Door, Add</i>	1,664.48	
		<i>For 1" Insulated Glazing, Add</i>	138.42	
08 42 13 00-0006	EA	3' x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-15).....	4,586.45	599.91
		<i>For 8' High Door, Add</i>	424.01	
		<i>For 10' High Door, Add</i>	921.76	
		<i>For 1" Insulated Glazing, Add</i>	69.21	
08 42 13 00-0007	EA	3'-6" x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-15).....	4,634.82	599.91
		<i>For 8' High Door, Add</i>	429.57	
		<i>For 10' High Door, Add</i>	933.85	
		<i>For 1" Insulated Glazing, Add</i>	69.21	
08 42 13 00-0008	PR	6' x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-15).....	7,804.58	899.69
		<i>For 8' High Door, Add</i>	742.69	
		<i>For 10' High Door, Add</i>	1,614.54	
		<i>For 1" Insulated Glazing, Add</i>	138.42	
08 42 13 00-0009	PR	7' x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-15).....	8,814.88	899.69
		<i>For 8' High Door, Add</i>	858.87	
		<i>For 10' High Door, Add</i>	1,867.11	
		<i>For 1" Insulated Glazing, Add</i>	138.42	

08 42 26 All-Glass Entrances (08 42)**08 42 26 00-0001 Full Glass Entrance Doors** (08 42 26)

Note: Includes trim, necessary anchors, tempered glass, and standard hardware (hinges, handle, push plate, lock, closer). Excludes panic devices.

08 42 26 00-0002	EA	3' x 7' x 1/2" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware.....	3,189.00	224.85
		<i>For Anodized Color, Add</i>	412.12	
		<i>For Stainless Steel, Add</i>	1,488.23	
		<i>For 8' High Door, Add</i>	263.30	
		<i>For 10' High Door, Add</i>	572.40	
		<i>For 1" Insulated Glazing, Add</i>	69.21	
08 42 26 00-0003	PR	6' x 7' x 1/2" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware (Per Pair 3' x 7' x 1/2").....	5,607.90	269.83
		<i>For Anodized Color, Add</i>	778.14	
		<i>For Stainless Steel, Add</i>	2,809.96	
		<i>For 8' High Door, Add</i>	497.15	
		<i>For 10' High Door, Add</i>	1,080.75	
		<i>For 1" Insulated Glazing, Add</i>	138.42	
08 42 26 00-0004	EA	3' x 7' x 5/8" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware.....	3,601.48	224.85
		<i>For Anodized Color, Add</i>	486.37	
		<i>For Stainless Steel, Add</i>	1,756.34	
		<i>For 8' High Door, Add</i>	310.74	
		<i>For 10' High Door, Add</i>	675.52	
		<i>For 1" Insulated Glazing, Add</i>	69.21	
08 42 26 00-0005	PR	6' x 7' x 5/8" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware (Per Pair 3' x 7' x 5/8").....	6,496.00	269.83
		<i>For Anodized Color, Add</i>	938.00	
		<i>For Stainless Steel, Add</i>	3,387.22	
		<i>For 8' High Door, Add</i>	599.28	
		<i>For 10' High Door, Add</i>	1,302.78	
		<i>For 1" Insulated Glazing, Add</i>	138.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 26 00-0006 EA 3' x 7' x 3/4" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware.....	4,012.34	224.85
<i>For Anodized Color, Add</i>	560.33	
<i>For Stainless Steel, Add</i>	2,023.40	
<i>For 8' High Door, Add</i>	357.99	
<i>For 10' High Door, Add</i>	778.23	
<i>For 1" Insulated Glazing, Add</i>	69.21	
08 42 26 00-0007 PR 6' x 7' x 3/4" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware (Per Pair 3' x 7' x 3/4").....	7,382.64	269.83
<i>For Anodized Color, Add</i>	1,097.60	
<i>For Stainless Steel, Add</i>	3,963.54	
<i>For 8' High Door, Add</i>	701.24	
<i>For 10' High Door, Add</i>	1,524.44	
<i>For 1" Insulated Glazing, Add</i>	138.42	
08 42 26 00-0008 EA 3' x 7' x 1" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware	4,835.66	224.85
<i>For Anodized Color, Add</i>	708.52	
<i>For Stainless Steel, Add</i>	2,558.56	
<i>For 8' High Door, Add</i>	452.67	
<i>For 10' High Door, Add</i>	984.06	
<i>For 1" Insulated Glazing, Add</i>	69.21	
08 42 26 00-0009 PR 6' x 7' x 1" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware (Per Pair 3' x 7' x 1").....	9,157.38	269.83
<i>For Anodized Color, Add</i>	1,417.05	
<i>For Stainless Steel, Add</i>	5,117.12	
<i>For 8' High Door, Add</i>	905.34	
<i>For 10' High Door, Add</i>	1,968.12	
<i>For 1" Insulated Glazing, Add</i>	138.42	
08 42 26 00-0010 Frames For Full Glass Doors (08 42 26)		
08 42 26 00-0011 LF Glass Entrance Door, Light Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head	19.52	2.70
08 42 26 00-0012 LF Glass Entrance Door, Heavy Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head	25.43	3.60
08 42 29 Automatic Entrances (08 42)		
08 42 29 23 Sliding Automatic Entrances (08 42 29)		
Note: Power-operated automatic sliding doors may be used as emergency egress doors as they can "break-out" in the direction of egress. Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.		
08 42 29 23-0001 Bronze Finished Framed Sliding Automatic Entrances (08 42 29 23)		
08 42 29 23-0002 2 Panel, Bronze Finished Framed Sliding Automatic Entrance (08 42 29 23-0001)		
Note: Single sliding.		
08 42 29 23-0003 EA 5'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	1,407.70	89.95
<i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i>	92.09	
<i>For Emergency Egress On All Panels, Add</i>	245.56	
08 42 29 23-0004 EA 6'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	1,580.54	121.42
<i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i>	100.33	
<i>For Emergency Egress On All Panels, Add</i>	267.54	
08 42 29 23-0005 EA 7'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	1,721.49	134.91
<i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i>	108.87	
<i>For Emergency Egress On All Panels, Add</i>	290.33	
08 42 29 23-0006 EA 8'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	1,858.76	148.41
<i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i>	117.15	
<i>For Emergency Egress On All Panels, Add</i>	312.39	
08 42 29 23-0007 EA 10'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	2,430.90	179.88
<i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i>	155.33	
<i>For Emergency Egress On All Panels, Add</i>	414.23	
08 42 29 23-0008 EA 12'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	2,542.75	211.37
<i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i>	159.00	
<i>For Emergency Egress On All Panels, Add</i>	424.00	
08 42 29 23-0009 EA 15'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	3,369.31	242.84
<i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i>	216.27	
<i>For Emergency Egress On All Panels, Add</i>	576.73	
08 42 29 23-0010 4 Panel, Bronze Finished Framed Sliding Automatic Entrance (08 42 29 23-0001)		
Note: Bi-parting.		
08 42 29 23-0011 EA 12'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	2,852.60	224.85
<i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i>	180.22	
<i>For Emergency Egress On All Panels, Add</i>	480.58	
08 42 29 23-0012 EA 14'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	3,128.33	247.34
<i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i>	197.52	
<i>For Emergency Egress On All Panels, Add</i>	526.73	
08 42 29 23-0013 EA 16'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	3,404.07	269.83
<i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i>	214.83	
<i>For Emergency Egress On All Panels, Add</i>	572.88	
08 42 29 23-0014 EA 18'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	4,090.34	292.31
<i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i>	262.93	
<i>For Emergency Egress On All Panels, Add</i>	701.14	
08 42 29 23-0015 EA 20'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	4,776.60	314.71
<i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i>	311.03	
<i>For Emergency Egress On All Panels, Add</i>	829.40	
08 42 29 23-0016 Aluminum Finished Framed Sliding Automatic Entrances (08 42 29 23)		

08 Openings**08 40 Entrances, Storefronts, And Curtain Walls****08 42 Entrances**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 29 23-0017			2 Panel, Aluminum Finished Framed Sliding Automatic Entrance (08 42 29 23-0016) Note: Single sliding.		
08 42 29 23-0018	EA		5'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	1,292.03 83.41 222.43	89.95
08 42 29 23-0019	EA		6'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	1,454.53 90.88 242.34	121.42
08 42 29 23-0020	EA		7'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	1,582.61 98.46 262.56	134.91
08 42 29 23-0021	EA		8'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	1,711.61 106.11 282.96	148.41
08 42 29 23-0022	EA		10'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	2,235.79 140.70 375.20	179.88
08 42 29 23-0023	EA		12'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	2,343.03 144.02 384.06	211.37
08 42 29 23-0024	EA		15'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	3,097.68 195.90 522.40	242.84
08 42 29 23-0025			4 Panel, Aluminum Finished Framed Sliding Automatic Entrance (08 42 29 23-0016) Note: Bi-parting.		
08 42 29 23-0026	EA		12'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	2,626.24 163.24 435.31	224.85
08 42 29 23-0027	EA		14'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	2,880.22 178.92 477.11	247.34
08 42 29 23-0028	EA		16'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	3,134.21 194.59 518.91	269.83
08 42 29 23-0029	EA		18'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	3,760.08 238.16 635.09	292.31
08 42 29 23-0030	EA		20'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	4,385.94 281.73 751.27	314.71
08 42 29 23-0031			Stainless Steel Framed Sliding Automatic Entrances (08 42 29 23)		
08 42 29 23-0032			2 Panel, Stainless Steel Framed Sliding Automatic Entrance (08 42 29 23-0031) Note: Single sliding.		
08 42 29 23-0033	EA		5'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	1,603.20 106.75 284.66	89.95
08 42 29 23-0034	EA		6'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	1,793.56 116.30 310.14	121.42
08 42 29 23-0035	EA		7'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	2,080.49 135.80 362.13	134.91
08 42 29 23-0036	EA		8'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	2,383.19 156.48 417.28	148.41
08 42 29 23-0037	EA		10'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	2,760.71 180.07 480.19	179.88
08 42 29 23-0038	EA		12'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	2,880.32 184.32 491.52	211.37
08 42 29 23-0039	EA		15'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	3,828.51 250.71 668.57	242.84
08 42 29 23-0040			4 Panel, Stainless Steel Framed Sliding Automatic Entrance (08 42 29 23-0031) Note: Bi-parting.		
08 42 29 23-0041	EA		12'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	3,235.23 208.91 557.10	224.85
08 42 29 23-0042	EA		14'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	3,547.70 228.98 610.60	247.34
08 42 29 23-0043	EA		16'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	3,860.17 249.04 664.10	269.83
08 42 29 23-0044	EA		18'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	4,648.57 304.80 812.79	292.31



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 29 23-0045 EA 20'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add</i>	5,436.96 360.55 961.47	314.80
08 42 29 23-0046 Accessories For Sliding Automatic Entrances (08 42 29 23) See CSI section 08 42 29 33-0006 for eye operators.		
08 42 29 23-0047 EA Automatic 2 Panel Sliding Door Motor, Activation Eye Or Push Button Controls..... <i>Note: Includes motor for pair of sliding doors (2 panels).</i>	4,066.85	965.00
08 42 29 23-0048 EA Automatic 4 Panel Sliding Door Motor, Activation Eye Or Push Button Controls..... <i>Note: Includes motor for pair of sliding doors (4 panel).</i>	6,686.17	1,447.50
08 42 29 33 Swinging Automatic Entrances (08 42 29) <i>Note: Excludes glazing.</i>		
08 42 29 33-0001 Swing Door Operators, Up To 350 LB Panel Weight (08 42 29 33) <i>Note: Includes electro-mechanical swinging door operator and electrical controls, aluminum header, connecting hardware, actuating controls, and on/off/hold open switch. Excludes activation device, doors, and power connection. Stanley Magic Force or equal.</i>		
08 42 29 33-0002 EA Concealed Single Door Swing Door Operator, Up To 350 LB Panel <i>Note: For new storefront or existing concealed operator installations.</i>	2,886.09	482.51
08 42 29 33-0003 EA Concealed Pair Of Doors Swing Door Operator, Up To 350 LB Panel <i>Note: For new storefront or existing concealed operator installations.</i>	4,807.75	643.38
08 42 29 33-0004 EA Exposed Single Door Swing Door Operator, Up To 350 LB Panel	2,387.29	386.00
08 42 29 33-0005 EA Exposed Pair Of Doors Swing Door Operator, Up To 350 LB Panel	4,195.05	579.01
08 42 29 33-0006 Activation Devices For Door Operators (08 42 29 33)		
08 42 29 33-0007 EA Overhead Active Infrared Presence Detector For Door Operators (MS Sedco DH97) <i>Note: Includes wiring harness and relays.</i>	382.18	38.60
08 42 29 33-0008 EA On Door Active Infrared Presence Detector For Door Operator (Stanley Sentrex RS)..... <i>Note: Includes wiring harness and relays.</i>	338.94	38.60
08 42 29 33-0009 EA Microwave Motion Sensor For Door Operator (MS Sedco D38)..... <i>Note: Includes wiring harness and relays.</i>	342.39	38.60
08 42 29 33-0010 EA Push Plate For Door Operator (MS Sedco 59 Series)..... <i>Note: Excludes wiring from operator to push plate.</i>	135.25	38.60
08 42 29 33-0011 EA Jamb Mounted Push Button For Door Operator (MS Sedco 425 Series) <i>Note: Excludes wiring from operator to push button.</i>	115.18	38.60
08 42 29 33-0012 EA Radio Control System For Door Operator (MS Sedco Clearpath) <i>Note: Includes receiver and two push plate transmitters.</i>	579.89	96.51
<i>For Single Transmitter (Includes Receiver, One Push Plate Transmitter, And One Jamb Mounted Push Button), Deduct</i>	-64.00	
08 42 29 33-0013 EA Combination Digital Camera/Motion Detector For Door Operators (Stanley StanVision) <i>Note: Includes wiring harness and relays.</i>	826.82	48.25
08 42 29 33-0014 EA Guard Rail For Door With Operator	179.80	48.25
08 42 33 Revolving Door Entrances (08 42)		
08 42 33 00-0001 Aluminum Revolving Doors (08 42 33) <i>Note: Includes 3/4" tempered glass.</i>		
08 42 33 00-0002 EA 4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware..... <i>For Automatic Controls, Add For Powder Coated, Add</i>	25,845.62 7,560.49 879.14	4,928.11
08 42 33 00-0003 EA 5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware..... <i>For Automatic Controls, Add For Powder Coated, Add</i>	35,476.56 8,915.73 1,104.74	7,392.27
08 42 33 00-0004 EA 6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware..... <i>For Automatic Controls, Add For Powder Coated, Add</i>	52,232.75 9,728.88 1,953.64	8,870.69
08 42 33 00-0005 EA 4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware..... <i>For Automatic Controls, Add For Powder Coated, Add</i>	28,724.33 7,837.07 984.54	5,420.87
08 42 33 00-0006 EA 5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware..... <i>For Automatic Controls, Add For Powder Coated, Add</i>	39,194.27 9,285.34 1,237.19	8,131.76
08 42 33 00-0007 EA 6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware..... <i>For Automatic Controls, Add For Powder Coated, Add</i>	58,300.24 10,270.97 2,187.86	9,757.76
08 42 33 00-0008 Stainless Steel Revolving Doors (08 42 33) <i>Note: Includes 3/4" tempered glass.</i>		
08 42 33 00-0009 EA 4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware..... <i>For Automatic Controls, Add</i>	26,428.39 7,560.49	4,928.11
08 42 33 00-0010 EA 5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware..... <i>For Automatic Controls, Add</i>	36,208.88 8,915.73	7,392.27
08 42 33 00-0011 EA 6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware..... <i>For Automatic Controls, Add</i>	53,527.80 9,728.88	8,870.69
08 42 33 00-0012 EA 4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware..... <i>For Automatic Controls, Add</i>	29,378.53 7,837.07	5,420.87
08 42 33 00-0013 EA 5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware..... <i>For Automatic Controls, Add</i>	40,016.34 9,285.34	8,131.76

08 Openings**08 40 Entrances, Storefronts, And Curtain Walls****08 42 Entrances**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 33 00-0014	EA		6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware <i>For Automatic Controls, Add</i>	59,754.01 10,270.97	9,757.76
08 42 33 00-0015			Bronze Revolving Doors (08 42 33) Note: Includes 3/4" tempered glass.		
08 42 33 00-0016	EA		4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware <i>For Automatic Controls, Add</i>	24,373.17 7,560.49	4,928.11
08 42 33 00-0017	EA		5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware <i>For Automatic Controls, Add</i>	33,626.26 8,915.73	7,392.27
08 42 33 00-0018	EA		6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware <i>For Automatic Controls, Add</i>	48,960.64 9,728.88	8,870.69
08 42 33 00-0019	EA		4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware <i>For Automatic Controls, Add</i>	27,076.68 7,837.07	5,420.87
08 42 33 00-0020	EA		5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware <i>For Automatic Controls, Add</i>	37,123.80 9,285.34	8,131.76
08 42 33 00-0021	EA		6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware <i>For Automatic Controls, Add</i>	54,638.79 10,270.97	9,757.76
08 42 36			Balanced Door Entrances (08 42)		
08 42 36 00-0001			Balanced Doors, With Glass (08 42 36) Note: Includes 3/4" tempered glass, check and door guide, top pivot with bearing, torsion bar closer spring, bottom arm, semi-automatic hold open device, floor box, door roller guide, bottom pivot, top arm.		
08 42 36 00-0002	EA		2'-6" x 7'-0" Balanced Door, Stainless Steel..... <i>For Bronze Instead Of Stainless Steel, Deduct</i> <i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i> <i>For Tinted Glass, Add</i> <i>For Aluminum, Painted Finish, Deduct</i>	12,722.81 -3,011.46 1,204.59 602.29 -3,613.76	270.70
08 42 36 00-0003	EA		3'-0" x 7'-0" Balanced Door, Stainless Steel..... <i>For Bronze Instead Of Stainless Steel, Deduct</i> <i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i> <i>For Tinted Glass, Add</i> <i>For Aluminum, Painted Finish, Deduct</i>	13,212.00 -3,133.76 1,253.50 626.75 -3,760.51	270.70
08 42 36 00-0004	EA		3'-6" x 7'-0" Balanced Door, Stainless Steel..... <i>For Bronze Instead Of Stainless Steel, Deduct</i> <i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i> <i>For Tinted Glass, Add</i> <i>For Aluminum, Painted Finish, Deduct</i>	14,400.09 -3,430.78 1,372.31 686.16 -4,116.94	270.70
08 42 36 00-0005	EA		4'-0" x 7'-0" Balanced Door, Stainless Steel..... <i>For Bronze Instead Of Stainless Steel, Deduct</i> <i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i> <i>For Tinted Glass, Add</i> <i>For Aluminum, Painted Finish, Deduct</i>	15,797.89 -3,780.23 1,512.09 756.05 -4,536.28	270.70
08 42 36 00-0006	PR		Pair 3'-0" x 7'-0" Balanced Door, Stainless Steel <i>For Bronze Instead Of Stainless Steel, Deduct</i> <i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i> <i>For Tinted Glass, Add</i> <i>For Aluminum, Painted Finish, Deduct</i>	26,356.34 -6,267.53 2,507.01 1,253.51 -7,521.03	514.50
08 43			Storefronts (08 40)		
08 43 13			Aluminum-Framed Storefronts (08 43)		
08 43 13 00-0001			Aluminum Storefront Framing Assembly (08 43 13) Note: Includes frames, fasteners and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. See CSI section 08 43 13 00-0083 for reinforcing steel (where required), 08 81 23 23-0045 for laminated glazing, 08 81 23 23-0051 for insulated glazing.		
08 43 13 00-0002			1-3/4" x 4-1/2" Frame, Aluminum Storefront Framing Assembly (08 43 13 00-0001) Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0003	SF		5' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	18.70 0.52 1.56	6.60
08 43 13 00-0004	SF		6' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	16.81 0.47 1.40	5.95
08 43 13 00-0005	SF		7' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	15.45 0.43 1.29	5.47
08 43 13 00-0006	SF		8' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	14.45 0.40 1.20	5.13
08 43 13 00-0007	SF		9' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	13.66 0.38 1.13	4.86
08 43 13 00-0008	SF		10' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	13.03 0.36 1.08	4.64
08 43 13 00-0009	SF		11' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	12.51 0.35 1.04	4.46



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0010 SF 12' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	12.09 0.33 1.00	4.31
08 43 13 00-0011 1-3/4" x 4-1/2" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly <small>(08 43 13 00-0001)</small> Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0012 SF 5' High With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	24.38 0.68 2.04	8.63
08 43 13 00-0013 SF 6' High With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	21.52 0.60 1.80	7.65
08 43 13 00-0014 SF 7' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	19.58 0.54 1.63	6.92
08 43 13 00-0015 SF 8' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	18.05 0.50 1.50	6.39
08 43 13 00-0016 SF 9' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	16.87 0.47 1.40	5.94
08 43 13 00-0017 SF 10' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	15.87 0.44 1.32	5.67
08 43 13 00-0018 SF 11' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	15.15 0.42 1.25	5.39
08 43 13 00-0019 SF 12' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	14.50 0.40 1.20	5.13
08 43 13 00-0020 1-3/4" x 4-1/2" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly <small>(08 43 13 00-0001)</small> Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0021 SF 5' High With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	30.10 0.84 2.52	10.62
08 43 13 00-0022 SF 6' High With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	26.34 0.73 2.20	9.27
08 43 13 00-0023 SF 7' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	23.63 0.66 1.97	8.36
08 43 13 00-0024 SF 8' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	21.60 0.60 1.80	7.65
08 43 13 00-0025 SF 9' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	19.97 0.56 1.67	7.10
08 43 13 00-0026 SF 10' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	18.73 0.52 1.56	6.65
08 43 13 00-0027 SF 11' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	17.71 0.49 1.47	6.30
08 43 13 00-0028 SF 12' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	16.86 0.47 1.40	6.03

08 Openings**08 40 Entrances, Storefronts, And Curtain Walls****08 43 Storefronts**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 43 13 00-0029		2" x 4-1/2" Frame, Aluminum Storefront Framing Assembly <small>(08 43 13 00-0001)</small>			
		Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.			
08 43 13 00-0030	SF	5' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	19.31		6.92
		For Various Color Class I Anodized Finish, Add	0.53		
		For Black Color Class I Anodized Finish, Add	1.60		
08 43 13 00-0031	SF	6' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	17.39		6.21
		For Various Color Class I Anodized Finish, Add	0.48		
		For Black Color Class I Anodized Finish, Add	1.43		
08 43 13 00-0032	SF	7' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	15.89		5.76
		For Various Color Class I Anodized Finish, Add	0.44		
		For Black Color Class I Anodized Finish, Add	1.31		
08 43 13 00-0033	SF	8' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	14.85		5.39
		For Various Color Class I Anodized Finish, Add	0.41		
		For Black Color Class I Anodized Finish, Add	1.22		
08 43 13 00-0034	SF	9' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	14.02		5.04
		For Various Color Class I Anodized Finish, Add	0.38		
		For Black Color Class I Anodized Finish, Add	1.15		
08 43 13 00-0035	SF	10' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	13.43		4.86
		For Various Color Class I Anodized Finish, Add	0.36		
		For Black Color Class I Anodized Finish, Add	1.09		
08 43 13 00-0036	SF	11' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	12.80		4.68
		For Various Color Class I Anodized Finish, Add	0.35		
		For Black Color Class I Anodized Finish, Add	1.04		
08 43 13 00-0037	SF	12' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	12.41		4.50
		For Various Color Class I Anodized Finish, Add	0.33		
		For Black Color Class I Anodized Finish, Add	1.00		
08 43 13 00-0038		2" x 4-1/2" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly <small>(08 43 13 00-0001)</small>			
		Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.			
08 43 13 00-0039	SF	5' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	25.75		9.36
		For Various Color Class I Anodized Finish, Add	0.69		
		For Black Color Class I Anodized Finish, Add	2.08		
08 43 13 00-0040	SF	6' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	22.65		8.27
		For Various Color Class I Anodized Finish, Add	0.61		
		For Black Color Class I Anodized Finish, Add	1.83		
08 43 13 00-0041	SF	7' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	20.49		7.47
		For Various Color Class I Anodized Finish, Add	0.55		
		For Black Color Class I Anodized Finish, Add	1.65		
08 43 13 00-0042	SF	8' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	18.85		6.92
		For Various Color Class I Anodized Finish, Add	0.51		
		For Black Color Class I Anodized Finish, Add	1.52		
08 43 13 00-0043	SF	9' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	17.64		6.48
		For Various Color Class I Anodized Finish, Add	0.47		
		For Black Color Class I Anodized Finish, Add	1.41		
08 43 13 00-0044	SF	10' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	16.56		6.12
		For Various Color Class I Anodized Finish, Add	0.44		
		For Black Color Class I Anodized Finish, Add	1.33		
08 43 13 00-0045	SF	11' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	15.72		5.76
		For Various Color Class I Anodized Finish, Add	0.42		
		For Black Color Class I Anodized Finish, Add	1.26		
08 43 13 00-0046	SF	12' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	15.05		5.48
		For Various Color Class I Anodized Finish, Add	0.40		
		For Black Color Class I Anodized Finish, Add	1.20		
08 43 13 00-0047		2" x 4-1/2" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly <small>(08 43 13 00-0001)</small>			
		Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.			
08 43 13 00-0048	SF	5' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	31.01		11.15
		For Various Color Class I Anodized Finish, Add	0.85		
		For Black Color Class I Anodized Finish, Add	2.55		
08 43 13 00-0049	SF	6' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	27.12		9.71
		For Various Color Class I Anodized Finish, Add	0.74		
		For Black Color Class I Anodized Finish, Add	2.23		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0050 SF 7' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	24.28	8.72
<i>For Various Color Class I Anodized Finish, Add</i>	0.66	
<i>For Black Color Class I Anodized Finish, Add</i>	1.99	
08 43 13 00-0051 SF 8' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	22.23	8.01
<i>For Various Color Class I Anodized Finish, Add</i>	0.60	
<i>For Black Color Class I Anodized Finish, Add</i>	1.81	
08 43 13 00-0052 SF 9' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	20.56	7.38
<i>For Various Color Class I Anodized Finish, Add</i>	0.56	
<i>For Black Color Class I Anodized Finish, Add</i>	1.68	
08 43 13 00-0053 SF 10' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	19.24	6.92
<i>For Various Color Class I Anodized Finish, Add</i>	0.52	
<i>For Black Color Class I Anodized Finish, Add</i>	1.57	
08 43 13 00-0054 SF 11' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	18.19	6.57
<i>For Various Color Class I Anodized Finish, Add</i>	0.49	
<i>For Black Color Class I Anodized Finish, Add</i>	1.48	
08 43 13 00-0055 SF 12' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	17.25	6.30
<i>For Various Color Class I Anodized Finish, Add</i>	0.47	
<i>For Black Color Class I Anodized Finish, Add</i>	1.40	
08 43 13 00-0056 2-1/2" x 5" Frame, Aluminum Storefront Framing Assembly <small>(08 43 13 00-0001)</small>		
<small>Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.</small>		
08 43 13 00-0057 SF 5' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	23.23	7.10
<i>For Various Color Class I Anodized Finish, Add</i>	0.75	
<i>For Black Color Class I Anodized Finish, Add</i>	2.25	
08 43 13 00-0058 SF 6' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	20.88	6.39
<i>For Various Color Class I Anodized Finish, Add</i>	0.68	
<i>For Black Color Class I Anodized Finish, Add</i>	2.03	
08 43 13 00-0059 SF 7' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	19.27	5.85
<i>For Various Color Class I Anodized Finish, Add</i>	0.62	
<i>For Black Color Class I Anodized Finish, Add</i>	1.86	
08 43 13 00-0060 SF 8' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	18.05	5.48
<i>For Various Color Class I Anodized Finish, Add</i>	0.58	
<i>For Black Color Class I Anodized Finish, Add</i>	1.74	
08 43 13 00-0061 SF 9' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	17.08	5.21
<i>For Various Color Class I Anodized Finish, Add</i>	0.55	
<i>For Black Color Class I Anodized Finish, Add</i>	1.65	
08 43 13 00-0062 SF 10' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	16.30	4.95
<i>For Various Color Class I Anodized Finish, Add</i>	0.52	
<i>For Black Color Class I Anodized Finish, Add</i>	1.57	
08 43 13 00-0063 SF 11' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	15.69	4.77
<i>For Various Color Class I Anodized Finish, Add</i>	0.50	
<i>For Black Color Class I Anodized Finish, Add</i>	1.51	
08 43 13 00-0064 SF 12' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	15.12	4.59
<i>For Various Color Class I Anodized Finish, Add</i>	0.49	
<i>For Black Color Class I Anodized Finish, Add</i>	1.46	
08 43 13 00-0065 2-1/2" x 5" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly <small>(08 43 13 00-0001)</small>		
<small>Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.</small>		
08 43 13 00-0066 SF 5' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	30.78	9.53
<i>For Various Color Class I Anodized Finish, Add</i>	0.98	
<i>For Black Color Class I Anodized Finish, Add</i>	2.93	
08 43 13 00-0067 SF 6' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	27.18	8.45
<i>For Various Color Class I Anodized Finish, Add</i>	0.86	
<i>For Black Color Class I Anodized Finish, Add</i>	2.59	
08 43 13 00-0068 SF 7' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	24.66	7.65
<i>For Various Color Class I Anodized Finish, Add</i>	0.78	
<i>For Black Color Class I Anodized Finish, Add</i>	2.35	
08 43 13 00-0069 SF 8' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	22.76	7.01
<i>For Various Color Class I Anodized Finish, Add</i>	0.72	
<i>For Black Color Class I Anodized Finish, Add</i>	2.17	
08 43 13 00-0070 SF 9' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	21.25	6.57
<i>For Various Color Class I Anodized Finish, Add</i>	0.68	
<i>For Black Color Class I Anodized Finish, Add</i>	2.03	
08 43 13 00-0071 SF 10' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	20.09	6.21
<i>For Various Color Class I Anodized Finish, Add</i>	0.64	
<i>For Black Color Class I Anodized Finish, Add</i>	1.92	

08 Openings**08 40 Entrances, Storefronts, And Curtain Walls****08 43 Storefronts**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0072	SF		11' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	19.12	5.94
			<i>For Various Color Class I Anodized Finish, Add</i>	0.61	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.82	
08 43 13 00-0073	SF		12' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	18.23	5.67
			<i>For Various Color Class I Anodized Finish, Add</i>	0.58	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.74	
08 43 13 00-0074			2-1/2" x 5" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly <small>(08 43 13 00-0001)</small>		
			Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0075	SF		5' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	36.91	11.15
			<i>For Various Color Class I Anodized Finish, Add</i>	1.21	
			<i>For Black Color Class I Anodized Finish, Add</i>	3.62	
08 43 13 00-0076	SF		6' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	32.50	9.89
			<i>For Various Color Class I Anodized Finish, Add</i>	1.05	
			<i>For Black Color Class I Anodized Finish, Add</i>	3.16	
08 43 13 00-0077	SF		7' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	29.17	8.91
			<i>For Various Color Class I Anodized Finish, Add</i>	0.95	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.84	
08 43 13 00-0078	SF		8' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	26.75	8.09
			<i>For Various Color Class I Anodized Finish, Add</i>	0.87	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.60	
08 43 13 00-0079	SF		9' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	24.79	7.56
			<i>For Various Color Class I Anodized Finish, Add</i>	0.80	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.41	
08 43 13 00-0080	SF		10' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	23.24	7.10
			<i>For Various Color Class I Anodized Finish, Add</i>	0.75	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.26	
08 43 13 00-0081	SF		11' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	21.91	6.65
			<i>For Various Color Class I Anodized Finish, Add</i>	0.71	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.13	
08 43 13 00-0082	SF		12' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	20.89	6.39
			<i>For Various Color Class I Anodized Finish, Add</i>	0.68	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.03	
08 43 13 00-0083			Accessories For Aluminum Storefront Framing Assembly <small>(08 43 13 00-0001)</small>		
08 43 13 00-0084	LF		For 3/4" x 4-3/16" x 10 Gauge Galvanized Steel Reinforcing, Storefront Framing.....	24.01	5.99
08 43 13 00-0085	LF		For 1-1/4" x 4-3/16" x 10 Gauge Galvanized Steel Reinforcing, Storefront Framing.....	27.22	6.58
08 43 13 00-0086	LF		For 1-7/16" x 4-5/8" x 1/4" Steel Reinforcing, Storefront Framing.....	39.80	7.24
08 43 19			Stainless-Steel-Framed Storefronts <small>(08 43)</small>		
08 43 19 00-0001			Stainless Steel Storefront Framing Assembly <small>(08 43 19)</small>		
			Note: Includes frames, reinforcing and accessories. Excludes doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. Per SF of opening area. See CSI section 08 81 23 23-0051 for insulated glazing.		
08 43 19 00-0002	SF		Stainless Steel Storefront Framing Assembly.....	38.81	4.50
			<i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i>	3.20	
08 44			Curtain Wall And Glazed Assemblies <small>(08 44)</small>		
08 44 13			Glazed Aluminum Curtain Walls <small>(08 44)</small>		
08 44 13 00-0001			Curtain Walls <small>(08 44 13)</small>		
08 44 13 00-0002			Coping Sections <small>(08 44 13 00-0001)</small>		
08 44 13 00-0003	LF		Curtain Wall, 1/8" x 8" Coping Section Shaped (3") Aluminum System Framing Section.....	41.28	2.70
			<i>For Bronze Anodized Aluminum, Add</i>	3.83	
			<i>For Stainless Steel, Add</i>	16.09	
			<i>For Black Anodized Finish, Add</i>	6.89	
08 44 13 00-0004	LF		Curtain Wall, 1/8" x 9" Coping Section Shaped (4") Aluminum System Framing Section.....	42.64	2.70
			<i>For Bronze Anodized Aluminum, Add</i>	4.03	
			<i>For Stainless Steel, Add</i>	16.91	
			<i>For Black Anodized Finish, Add</i>	7.25	
08 44 13 00-0005	LF		Curtain Wall, 1/8" x 12-1/2" Coping Section Shaped (5-1/2") Aluminum Framing Section.....	51.54	3.60
			<i>For Bronze Anodized Aluminum, Add</i>	4.78	
			<i>For Stainless Steel, Add</i>	20.11	
			<i>For Black Anodized Finish, Add</i>	8.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 44 13 00-0006 Sill Section <small>(08 44 13 00-0001)</small>		
08 44 13 00-0007 LF Aluminum Curtain Wall, 1/8" x 6" Sill Section Shaped Aluminum System Framing Section	33.24	1.80
<i>For Bronze Anodized Aluminum, Add</i>	3.32	
<i>For Stainless Steel, Add</i>	13.83	
<i>For Black Anodized Finish, Add</i>	5.98	
08 44 13 00-0008 LF Aluminum Curtain Wall, 1/8" x 7" Sill Section Shaped Aluminum System Framing Section	35.60	1.80
<i>For Bronze Anodized Aluminum, Add</i>	3.67	
<i>For Stainless Steel, Add</i>	15.25	
<i>For Black Anodized Finish, Add</i>	6.61	
08 44 13 00-0009 LF Aluminum Curtain Wall, 1/8" x 8-1/2" Sill Section Shaped Aluminum System Framing Section	38.00	1.80
<i>For Bronze Anodized Aluminum, Add</i>	4.03	
<i>For Stainless Steel, Add</i>	16.69	
<i>For Black Anodized Finish, Add</i>	7.26	
08 44 13 00-0010 Aluminum Column Covers <small>(08 44 13 00-0001)</small>		
Note: Includes all clips and fasteners.		
08 44 13 00-0011 LF Aluminum Column Covers, 1/8" x 26", Shaped	81.05	4.50
<i>For Bronze Anodized Aluminum, Add</i>	8.36	
<i>For Stainless Steel, Add</i>	34.69	
<i>For Black Anodized Finish, Add</i>	15.04	
08 44 13 00-0012 LF Aluminum Column Covers, 1/8" x 34", Shaped	97.97	4.50
<i>For Bronze Anodized Aluminum, Add</i>	10.67	
<i>For Stainless Steel, Add</i>	44.01	
<i>For Black Anodized Finish, Add</i>	19.20	
08 44 13 00-0013 LF Aluminum Column Covers, 1/8" x 38", Shaped	104.28	4.50
<i>For Bronze Anodized Aluminum, Add</i>	11.61	
<i>For Stainless Steel, Add</i>	47.80	
<i>For Black Anodized Finish, Add</i>	20.91	
08 44 13 00-0014 Spandrel Covers <small>(08 44 13 00-0001)</small>		
Note: Where exterior facing only is described in the following the interior face will be tempered hardboard (to be painted).		
08 44 13 00-0015 SF 1" Spandrel Cover, Aluminum Both Faces	31.72	1.80
<i>For Bronze Anodized Aluminum, Add</i>	3.62	
<i>For Stainless Steel, Add</i>	14.87	
<i>For Black Anodized Finish, Add</i>	6.52	
08 44 13 00-0016 SF 1" Spandrel Cover, Aluminum Exterior Face	28.14	1.80
<i>For Bronze Anodized Aluminum, Add</i>	3.09	
<i>For Stainless Steel, Add</i>	12.73	
<i>For Black Anodized Finish, Add</i>	5.56	
08 44 13 00-0017 SF 1" Spandrel Cover, Epoxy Both Faces	57.82	1.80
<i>For Bronze Anodized Aluminum, Add</i>	7.54	
<i>For Stainless Steel, Add</i>	30.53	
<i>For Black Anodized Finish, Add</i>	13.57	
08 44 13 00-0018 SF 1" Spandrel Cover, Epoxy Exterior Face Only	47.71	1.80
<i>For Bronze Anodized Aluminum, Add</i>	6.02	
<i>For Stainless Steel, Add</i>	24.47	
<i>For Black Anodized Finish, Add</i>	10.84	
08 44 13 00-0019 SF 2" Spandrel Cover, Aluminum Both Faces	36.02	1.80
<i>For Bronze Anodized Aluminum, Add</i>	3.98	
<i>For Stainless Steel, Add</i>	16.38	
<i>For Black Anodized Finish, Add</i>	7.16	
08 44 13 00-0020 SF 2" Spandrel Cover, Aluminum Exterior Face	32.63	1.80
<i>For Bronze Anodized Aluminum, Add</i>	3.47	
<i>For Stainless Steel, Add</i>	14.34	
<i>For Black Anodized Finish, Add</i>	6.24	
08 44 13 00-0021 SF 2" Spandrel Cover, Epoxy Both Faces	66.40	1.80
<i>For Bronze Anodized Aluminum, Add</i>	8.53	
<i>For Stainless Steel, Add</i>	34.60	
<i>For Black Anodized Finish, Add</i>	15.36	
08 44 13 00-0022 SF 2" Spandrel Cover, Epoxy Exterior Face Only	54.74	1.80
<i>For Bronze Anodized Aluminum, Add</i>	6.78	
<i>For Stainless Steel, Add</i>	27.61	
<i>For Black Anodized Finish, Add</i>	12.21	
08 44 13 00-0023 Curtain Wall, Aluminum System Framing Sections <small>(08 44 13 00-0001)</small>		
Note: The prices are based on stock shapes of anodized aluminum, plain color and of 0.125" thickness.		
08 44 13 00-0024 LF Aluminum System Curtain Wall, 1-1/2" x 3" Jamb Aluminum Framed Window Walls	44.65	1.80
<i>For Bronze Anodized Aluminum, Add</i>	5.63	
<i>For Stainless Steel, Add</i>	22.87	
<i>For Black Anodized Finish, Add</i>	10.13	
08 44 13 00-0025 LF Aluminum System Curtain Wall, 1-1/2" x 3" Head Aluminum Framed Window Walls	44.52	1.80
<i>For Bronze Anodized Aluminum, Add</i>	5.63	
<i>For Stainless Steel, Add</i>	22.86	
<i>For Black Anodized Finish, Add</i>	10.13	
08 44 13 00-0026 LF Aluminum System Curtain Wall, 1-1/2" x 3" Mullion Aluminum Framed Window Walls	44.52	1.80
<i>For Bronze Anodized Aluminum, Add</i>	5.63	
<i>For Stainless Steel, Add</i>	22.86	
<i>For Black Anodized Finish, Add</i>	10.13	
<i>For Corner Mullion, Add</i>	10.43	

08 Openings**08 40 Entrances, Storefronts, And Curtain Walls****08 44 Curtain Wall And Glazed Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 44 13 00-0027	LF		Aluminum System Curtain Wall, 2" x 4" Jamb Aluminum Framed Window Walls.....	55.63	3.60
			<i>For Bronze Anodized Aluminum, Add</i>	6.72	
			<i>For Stainless Steel, Add</i>	27.44	
			<i>For Black Anodized Finish, Add</i>	12.10	
08 44 13 00-0028	LF		Aluminum System Curtain Wall, 2" x 4" Horizontal Aluminum Framed Window Walls.....	55.63	3.60
			<i>For Bronze Anodized Aluminum, Add</i>	6.72	
			<i>For Stainless Steel, Add</i>	27.44	
			<i>For Black Anodized Finish, Add</i>	12.10	
08 44 13 00-0029	LF		Aluminum System Curtain Wall, 2" x 4" Mullion Aluminum Framed Window Walls	55.63	3.60
			<i>For Bronze Anodized Aluminum, Add</i>	6.72	
			<i>For Stainless Steel, Add</i>	27.44	
			<i>For Black Anodized Finish, Add</i>	12.10	
			<i>For Corner Mullion, Add</i>	12.83	
08 44 13 00-0030	LF		Aluminum System Curtain Wall, 2" x 6" Jamb Aluminum Framed Window Walls.....	61.13	3.95
			<i>For Bronze Anodized Aluminum, Add</i>	7.37	
			<i>For Stainless Steel, Add</i>	30.08	
			<i>For Black Anodized Finish, Add</i>	13.27	
08 44 13 00-0031	LF		Aluminum System Curtain Wall, 2" x 6" Horizontal Aluminum Framed Window Walls.....	61.13	3.95
			<i>For Bronze Anodized Aluminum, Add</i>	7.37	
			<i>For Stainless Steel, Add</i>	30.08	
			<i>For Black Anodized Finish, Add</i>	13.27	
08 44 13 00-0032	LF		Aluminum System Curtain Wall, 2" x 6" Mullion Aluminum Framed Window Walls	61.13	3.95
			<i>For Bronze Anodized Aluminum, Add</i>	7.37	
			<i>For Stainless Steel, Add</i>	30.08	
			<i>For Black Anodized Finish, Add</i>	13.27	
			<i>For Corner Mullion, Add</i>	14.08	
08 44 13 00-0033	LF		Aluminum System Curtain Wall, 3" x 5-1/2" Jamb Aluminum Framed Window Walls.....	66.78	4.50
			<i>For Bronze Anodized Aluminum, Add</i>	8.02	
			<i>For Stainless Steel, Add</i>	32.74	
			<i>For Black Anodized Finish, Add</i>	14.43	
08 44 13 00-0034	LF		Aluminum System Curtain Wall, 3" x 5-1/2" Horizontal Aluminum Framed Window Walls	66.78	4.50
			<i>For Bronze Anodized Aluminum, Add</i>	8.02	
			<i>For Stainless Steel, Add</i>	32.74	
			<i>For Black Anodized Finish, Add</i>	14.43	
08 44 13 00-0035	LF		Aluminum System Curtain Wall, 3" x 5-1/2" Mullion Aluminum Framed Window Walls	66.78	4.50
			<i>For Bronze Anodized Aluminum, Add</i>	8.02	
			<i>For Stainless Steel, Add</i>	32.74	
			<i>For Black Anodized Finish, Add</i>	14.43	
			<i>For Corner Mullion, Add</i>	15.36	
08 44 13 00-0036	LF		Aluminum System Curtain Wall, 3" x 6-3/4" Jamb Aluminum Framed Window Walls.....	74.83	4.86
			<i>For Bronze Anodized Aluminum, Add</i>	9.04	
			<i>For Stainless Steel, Add</i>	36.90	
			<i>For Black Anodized Finish, Add</i>	16.28	
08 44 13 00-0037	LF		Aluminum System Curtain Wall, 3" x 6-3/4" Horizontal Aluminum Framed Window Walls	74.83	4.86
			<i>For Bronze Anodized Aluminum, Add</i>	9.04	
			<i>For Stainless Steel, Add</i>	36.90	
			<i>For Black Anodized Finish, Add</i>	16.28	
08 44 13 00-0038	LF		Aluminum System Curtain Wall, 3" x 6-3/4" Mullion Aluminum Framed Window Walls	74.83	4.86
			<i>For Bronze Anodized Aluminum, Add</i>	9.04	
			<i>For Stainless Steel, Add</i>	36.90	
			<i>For Black Anodized Finish, Add</i>	16.28	
			<i>For Corner Mullion, Add</i>	17.25	
08 44 13 00-0039	LF		Aluminum System Curtain Wall, 3" x 8-3/4" Jamb Aluminum Framed Window Walls.....	85.91	5.39
			<i>For Bronze Anodized Aluminum, Add</i>	10.38	
			<i>For Stainless Steel, Add</i>	42.37	
			<i>For Black Anodized Finish, Add</i>	18.69	
08 44 13 00-0040	LF		Aluminum System Curtain Wall, 3" x 8-3/4" Horizontal Aluminum Framed Window Walls	85.91	5.39
			<i>For Bronze Anodized Aluminum, Add</i>	10.38	
			<i>For Stainless Steel, Add</i>	42.37	
			<i>For Black Anodized Finish, Add</i>	18.69	
08 44 13 00-0041	LF		Aluminum System Curtain Wall, 3" x 8-3/4" Mullion Aluminum Framed Window Walls	85.91	5.39
			<i>For Bronze Anodized Aluminum, Add</i>	10.38	
			<i>For Stainless Steel, Add</i>	42.37	
			<i>For Black Anodized Finish, Add</i>	18.69	
			<i>For Corner Mullion, Add</i>	19.81	

08 44 26 Structural Glass Curtain Walls (08 44)**08 44 26 16 Metal Framed Point Supported Glass Curtain Walls (08 44 26)****08 44 26 16-0001 Centria Exterior Closure Components (08 44 26 16)**

08 44 26 16-0002	SF		Centria CS-260, 210 Single Skin Metal Panel	49.15	16.94
			Note: Metal Panels include panel system base, vertical joints, vertical joint covers, foam and metal closure for vertical joints, clips and attachments. Includes extruded aluminum coping with two coats of 70% Mica Kynar finish factory installed.		
08 44 26 16-0003	SF		Centria Formawall Insulated Metal Panels.....	71.26	14.12
			Note: Includes two coats of 70% Mica Kynar finish factory installed. Includes base extrusion and coping extrusions.		
08 44 26 16-0004	LF		Centria Formawall Insulated Metal Panels Radius Column	117.38	23.54
			Note: Includes radius coping.		
08 44 26 16-0005	LF		Centria Formawall Insulated Metal Panels Coping	23.47	4.71
08 44 26 16-0006	SF		Centria Formawavue 3000 Thru Tube Window System Without Glass	86.21	22.59
			Note: 20 PSF wind load with 70% Mica Kynar two coat finish factory installed.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 44 26 16-0007 SF Centria Formawavue 3000 Insulated Vision Units 13.09 Note: Vision insulated units to be 1" clear tempered insulated units with PPG Solarban 60 low-e coating on the #2 surface.	13.09	
08 44 26 16-0008 SF Centria Formawavue 3000 Insulated Silkscreen Pattern Units 25.32 Note: Silkscreen units to be 1" clear tempered insulated units with PPG Solarban 60 low-e coating on the #2 surface and manufacturers standard silk screen (dots or lines) pattern on inboard lite.	25.32	
08 44 26 16-0009 LF Centria Integrated Louver System 166.18 Note: Factory installed 70% Mica Kynar two coat finish. Excludes blank-off panels or insect screens.	166.18	14.12
08 44 26 16-0010 LF Centria Integrated Sunshade System 792.17 Note: Factory installed 70% Mica Kynar two coat finish.	792.17	99.78
08 44 26 16-0011 Kalwall Exterior Closure Components (08 44 26 16)		
08 44 26 16-0012 SF Kalwall Translucent Panel System Standard 100.34 Note: 25 PSF wind load. Factory installed 70% Mica Kynar two coat finish.	100.34	18.83
08 44 26 16-0013 SF Kalwall Translucent Panel System High Impact 103.96	103.96	18.83
08 44 26 16-0014 EA Wind Clips 210.97 Note: 2 per connection to steel tube includes all welding, fasteners, prep, and clean up.	210.97	
08 44 26 16-0015 EA Sill Angle With Welded Support Angles For The Kalwall System 246.14 Note: Includes all welding, fasteners, prep, and clean up.	246.14	
08 44 26 16-0016 EA Kalwall Head Channel At Coping (Galvanized 16 Gauge 2 x 4.5") 11.25	11.25	
08 44 26 16-0017 EA Kalwall Head Channel At Corners (Galvanized 16 Gauge 2 x 4.5") 49.23	49.23	
08 45 Translucent Wall And Roof Assemblies (08 40)		
08 45 23 Fiberglass-Sandwich-Panel Assemblies (08 45)		
08 45 23 00-0001 Translucent Fiberglass Sandwich-Panels 2-3/4" Thick (08 45 23)		
08 45 23 00-0002 SF <5,000 SF Translucent Fiberglass Sandwich-Panel 2-3/4" Thick, Metal Framed 54.15 For Aluminum Frame, Add 4.69	54.15	4.87
08 45 23 00-0003 SF >5,000 SF Translucent Fiberglass Sandwich-Panel 2-3/4" Thick, Metal Framed 49.37 For Aluminum Frame, Add 4.32	49.37	4.14
08 50 Windows (08)		
Note: Includes hardware, caulk, sealant and mounting anchors. Operable windows include weather stripping. Demolition includes removal of frame, glass and insect screens.		
08 51 Metal Windows (08 50)		
08 51 13 Aluminum Windows (08 51)		
Note: All units are of standard brushed finish. See CSI section 08 80 00 00-0000 for glazing.		
08 51 13 00-0001 Aluminum Windows (08 51 13)		
Note: Includes standard acrylic paint finish. Excludes glazing, panning and aluminum trim.		
08 51 13 00-0002 Single Hung Aluminum Windows (08 51 13 00-0001)		
08 51 13 00-0003 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400) (08 51 13 00-0002)		
08 51 13 00-0004 EA Up To 6 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400) 353.90 For Installation In Concrete Or Masonry, Add 35.87 For 50% Fluoropolymer Finish (Acrynar), Add 3.99 For 70% Fluoropolymer Finish (Duramar), Add 11.97 For Clear Anodized Finish, Add 9.98 For Color Anodized Finish, Add 13.97	353.90	92.64
08 51 13 00-0005 EA >6 To 10 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400) 394.34 For Installation In Concrete Or Masonry, Add 38.57 For 50% Fluoropolymer Finish (Acrynar), Add 4.61 For 70% Fluoropolymer Finish (Duramar), Add 13.82 For Clear Anodized Finish, Add 11.51 For Color Anodized Finish, Add 16.12	394.34	98.43
08 51 13 00-0006 EA >10 To 15 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400) 429.43 For Installation In Concrete Or Masonry, Add 41.13 For 50% Fluoropolymer Finish (Acrynar), Add 5.11 For 70% Fluoropolymer Finish (Duramar), Add 15.34 For Clear Anodized Finish, Add 12.79 For Color Anodized Finish, Add 17.90	429.43	104.22
08 51 13 00-0007 EA >15 To 20 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400) 459.17 For Installation In Concrete Or Masonry, Add 43.57 For 50% Fluoropolymer Finish (Acrynar), Add 5.52 For 70% Fluoropolymer Finish (Duramar), Add 16.55 For Clear Anodized Finish, Add 13.79 For Color Anodized Finish, Add 19.31	459.17	110.01
08 51 13 00-0008 EA >20 To 30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400) 521.04 For Installation In Concrete Or Masonry, Add 46.80 For 50% Fluoropolymer Finish (Acrynar), Add 6.56 For 70% Fluoropolymer Finish (Duramar), Add 19.68 For Clear Anodized Finish, Add 16.40 For Color Anodized Finish, Add 22.96	521.04	115.80

08 Openings

08 50 Windows

08 51 Metal Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0009	SF		>30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	16.73	3.47
			<i>For Installation In Concrete Or Masonry, Add</i>	1.43	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.22	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	0.66	
			<i>For Clear Anodized Finish, Add</i>	0.55	
			<i>For Color Anodized Finish, Add</i>	0.77	
08 51 13 00-0010			3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100) <small>(08 51 13 00-0002)</small>		
08 51 13 00-0011	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	495.82	92.64
			<i>For Installation In Concrete Or Masonry, Add</i>	39.42	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	6.83	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	20.49	
			<i>For Clear Anodized Finish, Add</i>	17.07	
			<i>For Color Anodized Finish, Add</i>	23.90	
08 51 13 00-0012	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	548.32	98.43
			<i>For Installation In Concrete Or Masonry, Add</i>	42.42	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	7.69	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	23.06	
			<i>For Clear Anodized Finish, Add</i>	19.21	
			<i>For Color Anodized Finish, Add</i>	26.90	
08 51 13 00-0013	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	592.78	104.22
			<i>For Installation In Concrete Or Masonry, Add</i>	45.22	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	8.38	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	25.14	
			<i>For Clear Anodized Finish, Add</i>	20.95	
			<i>For Color Anodized Finish, Add</i>	29.34	
08 51 13 00-0014	EA		>15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	635.91	110.01
			<i>For Installation In Concrete Or Masonry, Add</i>	47.98	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	9.05	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	27.15	
			<i>For Clear Anodized Finish, Add</i>	22.63	
			<i>For Color Anodized Finish, Add</i>	31.68	
08 51 13 00-0015	EA		>20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	745.97	115.80
			<i>For Installation In Concrete Or Masonry, Add</i>	52.42	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	11.06	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	33.18	
			<i>For Clear Anodized Finish, Add</i>	27.65	
			<i>For Color Anodized Finish, Add</i>	38.71	
08 51 13 00-0016	SF		>30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	24.23	3.47
			<i>For Installation In Concrete Or Masonry, Add</i>	1.62	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.37	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	1.11	
			<i>For Clear Anodized Finish, Add</i>	0.92	
			<i>For Color Anodized Finish, Add</i>	1.29	
08 51 13 00-0017			3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) <small>(08 51 13 00-0002)</small>		
08 51 13 00-0018	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	519.93	92.64
			<i>For Installation In Concrete Or Masonry, Add</i>	40.02	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	7.31	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	21.93	
			<i>For Clear Anodized Finish, Add</i>	18.28	
			<i>For Color Anodized Finish, Add</i>	25.59	
08 51 13 00-0019	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	581.79	98.43
			<i>For Installation In Concrete Or Masonry, Add</i>	43.25	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	8.35	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	25.06	
			<i>For Clear Anodized Finish, Add</i>	20.89	
			<i>For Color Anodized Finish, Add</i>	29.24	
08 51 13 00-0020	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	632.95	104.22
			<i>For Installation In Concrete Or Masonry, Add</i>	46.22	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	9.19	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	27.56	
			<i>For Clear Anodized Finish, Add</i>	22.96	
			<i>For Color Anodized Finish, Add</i>	32.15	
08 51 13 00-0021	EA		>15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	682.77	110.01
			<i>For Installation In Concrete Or Masonry, Add</i>	49.16	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	9.99	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	29.97	
			<i>For Clear Anodized Finish, Add</i>	24.97	
			<i>For Color Anodized Finish, Add</i>	34.96	
08 51 13 00-0022	EA		>20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	803.55	115.80
			<i>For Installation In Concrete Or Masonry, Add</i>	53.86	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	12.21	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	36.63	
			<i>For Clear Anodized Finish, Add</i>	30.53	
			<i>For Color Anodized Finish, Add</i>	42.74	



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0023 SF >30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	26.14	3.47
For Installation In Concrete Or Masonry, Add	1.67	
For 50% Fluoropolymer Finish (Acrynar), Add	0.41	
For 70% Fluoropolymer Finish (Duramar), Add	1.22	
For Clear Anodized Finish, Add	1.02	
For Color Anodized Finish, Add	1.42	
08 51 13 00-0024 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) (08 51 13 00-0002)		
08 51 13 00-0025 EA Up To 6 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	565.45	92.64
For Installation In Concrete Or Masonry, Add	41.16	
For 50% Fluoropolymer Finish (Acrynar), Add	8.22	
For 70% Fluoropolymer Finish (Duramar), Add	24.66	
For Clear Anodized Finish, Add	20.55	
For Color Anodized Finish, Add	28.77	
08 51 13 00-0026 EA >6 To 10 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	644.72	98.43
For Installation In Concrete Or Masonry, Add	44.83	
For 50% Fluoropolymer Finish (Acrynar), Add	9.61	
For 70% Fluoropolymer Finish (Duramar), Add	28.84	
For Clear Anodized Finish, Add	24.03	
For Color Anodized Finish, Add	33.65	
08 51 13 00-0027 EA >10 To 15 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	697.22	104.22
For Installation In Concrete Or Masonry, Add	47.83	
For 50% Fluoropolymer Finish (Acrynar), Add	10.47	
For 70% Fluoropolymer Finish (Duramar), Add	31.41	
For Clear Anodized Finish, Add	26.18	
For Color Anodized Finish, Add	36.65	
08 51 13 00-0028 EA >15 To 20 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	747.04	110.01
For Installation In Concrete Or Masonry, Add	50.76	
For 50% Fluoropolymer Finish (Acrynar), Add	11.27	
For 70% Fluoropolymer Finish (Duramar), Add	33.82	
For Clear Anodized Finish, Add	28.18	
For Color Anodized Finish, Add	39.46	
08 51 13 00-0029 EA >20 To 30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	858.44	115.80
For Installation In Concrete Or Masonry, Add	55.24	
For 50% Fluoropolymer Finish (Acrynar), Add	13.31	
For 70% Fluoropolymer Finish (Duramar), Add	39.93	
For Clear Anodized Finish, Add	33.27	
For Color Anodized Finish, Add	46.58	
08 51 13 00-0030 SF >30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	27.98	3.47
For Installation In Concrete Or Masonry, Add	1.71	
For 50% Fluoropolymer Finish (Acrynar), Add	0.44	
For 70% Fluoropolymer Finish (Duramar), Add	1.33	
For Clear Anodized Finish, Add	1.11	
For Color Anodized Finish, Add	1.55	
08 51 13 00-0031 Double Hung Aluminum Windows (08 51 13 00-0001)		
08 51 13 00-0032 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000) (08 51 13 00-0031)		
08 51 13 00-0033 EA Up To 6 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	390.05	92.64
For Installation In Concrete Or Masonry, Add	36.77	
For 50% Fluoropolymer Finish (Acrynar), Add	4.71	
For 70% Fluoropolymer Finish (Duramar), Add	14.14	
For Clear Anodized Finish, Add	11.78	
For Color Anodized Finish, Add	16.50	
08 51 13 00-0034 EA >6 To 10 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	429.16	98.43
For Installation In Concrete Or Masonry, Add	39.44	
For 50% Fluoropolymer Finish (Acrynar), Add	5.30	
For 70% Fluoropolymer Finish (Duramar), Add	15.91	
For Clear Anodized Finish, Add	13.26	
For Color Anodized Finish, Add	18.56	
08 51 13 00-0035 EA >10 To 15 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	462.91	104.22
For Installation In Concrete Or Masonry, Add	41.97	
For 50% Fluoropolymer Finish (Acrynar), Add	5.78	
For 70% Fluoropolymer Finish (Duramar), Add	17.35	
For Clear Anodized Finish, Add	14.46	
For Color Anodized Finish, Add	20.24	
08 51 13 00-0036 EA >15 To 20 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	498.00	110.01
For Installation In Concrete Or Masonry, Add	44.54	
For 50% Fluoropolymer Finish (Acrynar), Add	6.29	
For 70% Fluoropolymer Finish (Duramar), Add	18.88	
For Clear Anodized Finish, Add	15.73	
For Color Anodized Finish, Add	22.03	
08 51 13 00-0037 EA >20 To 30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	573.25	115.80
For Installation In Concrete Or Masonry, Add	48.11	
For 50% Fluoropolymer Finish (Acrynar), Add	7.61	
For 70% Fluoropolymer Finish (Duramar), Add	22.82	
For Clear Anodized Finish, Add	19.01	
For Color Anodized Finish, Add	26.62	

08 Openings**08 50 Windows**

08 51 Metal Windows



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 51 13 00-0038	SF	>30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	18.47		3.47
		<i>For Installation In Concrete Or Masonry, Add</i>	1.48		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.25		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	0.76		
		<i>For Clear Anodized Finish, Add</i>	0.63		
		<i>For Color Anodized Finish, Add</i>	0.89		
08 51 13 00-0039 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000) (08 51 13 00-0031)					
08 51 13 00-0040	EA	Up To 6 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	466.37		92.64
		<i>For Installation In Concrete Or Masonry, Add</i>	38.68		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	6.24		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	18.72		
		<i>For Clear Anodized Finish, Add</i>	15.60		
		<i>For Color Anodized Finish, Add</i>	21.84		
08 51 13 00-0041	EA	>6 To 10 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	534.93		98.43
		<i>For Installation In Concrete Or Masonry, Add</i>	42.08		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	7.42		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	22.25		
		<i>For Clear Anodized Finish, Add</i>	18.54		
		<i>For Color Anodized Finish, Add</i>	25.96		
08 51 13 00-0042	EA	>10 To 15 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	591.44		104.22
		<i>For Installation In Concrete Or Masonry, Add</i>	45.18		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	8.35		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	25.06		
		<i>For Clear Anodized Finish, Add</i>	20.89		
		<i>For Color Anodized Finish, Add</i>	29.24		
08 51 13 00-0043	EA	>15 To 20 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	654.65		110.01
		<i>For Installation In Concrete Or Masonry, Add</i>	48.45		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	9.43		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	28.28		
		<i>For Clear Anodized Finish, Add</i>	23.57		
		<i>For Color Anodized Finish, Add</i>	32.99		
08 51 13 00-0044	EA	>20 To 30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	767.40		115.80
		<i>For Installation In Concrete Or Masonry, Add</i>	52.96		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	11.49		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	34.46		
		<i>For Clear Anodized Finish, Add</i>	28.72		
		<i>For Color Anodized Finish, Add</i>	40.21		
08 51 13 00-0045	SF	>30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	24.94		3.47
		<i>For Installation In Concrete Or Masonry, Add</i>	1.64		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.38		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	1.15		
		<i>For Clear Anodized Finish, Add</i>	0.96		
		<i>For Color Anodized Finish, Add</i>	1.34		
08 51 13 00-0046 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400) (08 51 13 00-0031)					
08 51 13 00-0047	EA	Up To 6 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400).....	572.14		92.64
		<i>For Installation In Concrete Or Masonry, Add</i>	41.32		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	8.35		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	25.06		
		<i>For Clear Anodized Finish, Add</i>	20.89		
		<i>For Color Anodized Finish, Add</i>	29.24		
08 51 13 00-0048	EA	>6 To 10 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400).....	651.42		98.43
		<i>For Installation In Concrete Or Masonry, Add</i>	44.99		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	9.75		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	29.24		
		<i>For Clear Anodized Finish, Add</i>	24.37		
		<i>For Color Anodized Finish, Add</i>	34.12		
08 51 13 00-0049	EA	>10 To 15 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400).....	718.64		104.22
		<i>For Installation In Concrete Or Masonry, Add</i>	48.36		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	10.90		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	32.70		
		<i>For Clear Anodized Finish, Add</i>	27.25		
		<i>For Color Anodized Finish, Add</i>	38.15		
08 51 13 00-0050	EA	>15 To 20 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400).....	784.53		110.01
		<i>For Installation In Concrete Or Masonry, Add</i>	51.70		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	12.02		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	36.07		
		<i>For Clear Anodized Finish, Add</i>	30.06		
		<i>For Color Anodized Finish, Add</i>	42.08		
08 51 13 00-0051	EA	>20 To 30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400).....	937.44		115.80
		<i>For Installation In Concrete Or Masonry, Add</i>	57.21		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	14.89		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	44.67		
		<i>For Clear Anodized Finish, Add</i>	37.22		
		<i>For Color Anodized Finish, Add</i>	52.11		



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0052 SF >30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400).....	30.60	3.47
For Installation In Concrete Or Masonry, Add	1.78	
For 50% Fluoropolymer Finish (Acrynar), Add	0.50	
For 70% Fluoropolymer Finish (Duranar), Add	1.49	
For Clear Anodized Finish, Add	1.24	
For Color Anodized Finish, Add	1.74	
08 51 13 00-0053 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900) (08 51 13 00-0031)		
08 51 13 00-0054 EA Up To 10 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	864.31	98.43
For Installation In Concrete Or Masonry, Add	50.32	
For 50% Fluoropolymer Finish (Acrynar), Add	14.01	
For 70% Fluoropolymer Finish (Duranar), Add	42.02	
For Clear Anodized Finish, Add	35.01	
For Color Anodized Finish, Add	49.02	
08 51 13 00-0055 EA >10 To 15 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	944.92	104.22
For Installation In Concrete Or Masonry, Add	54.02	
For 50% Fluoropolymer Finish (Acrynar), Add	15.42	
For 70% Fluoropolymer Finish (Duranar), Add	46.27	
For Clear Anodized Finish, Add	38.56	
For Color Anodized Finish, Add	53.99	
08 51 13 00-0056 EA >15 To 20 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	1,038.92	110.01
For Installation In Concrete Or Masonry, Add	58.06	
For 50% Fluoropolymer Finish (Acrynar), Add	17.11	
For 70% Fluoropolymer Finish (Duranar), Add	51.33	
For Clear Anodized Finish, Add	42.78	
For Color Anodized Finish, Add	59.89	
08 51 13 00-0057 EA >20 To 30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	1,194.51	115.80
For Installation In Concrete Or Masonry, Add	63.64	
For 50% Fluoropolymer Finish (Acrynar), Add	20.03	
For 70% Fluoropolymer Finish (Duranar), Add	60.09	
For Clear Anodized Finish, Add	50.08	
For Color Anodized Finish, Add	70.11	
08 51 13 00-0058 SF >30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	39.13	3.47
For Installation In Concrete Or Masonry, Add	1.99	
For 50% Fluoropolymer Finish (Acrynar), Add	0.67	
For 70% Fluoropolymer Finish (Duranar), Add	2.00	
For Clear Anodized Finish, Add	1.67	
For Color Anodized Finish, Add	2.33	
08 51 13 00-0059 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600) (08 51 13 00-0031)		
08 51 13 00-0060 EA Up To 10 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	1,166.90	98.43
For Installation In Concrete Or Masonry, Add	57.88	
For 50% Fluoropolymer Finish (Acrynar), Add	20.06	
For 70% Fluoropolymer Finish (Duranar), Add	60.17	
For Clear Anodized Finish, Add	50.14	
For Color Anodized Finish, Add	70.20	
08 51 13 00-0061 EA >10 To 15 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	1,256.89	104.22
For Installation In Concrete Or Masonry, Add	61.82	
For 50% Fluoropolymer Finish (Acrynar), Add	21.66	
For 70% Fluoropolymer Finish (Duranar), Add	64.99	
For Clear Anodized Finish, Add	54.16	
For Color Anodized Finish, Add	75.82	
08 51 13 00-0062 EA >15 To 20 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	1,358.92	110.01
For Installation In Concrete Or Masonry, Add	66.06	
For 50% Fluoropolymer Finish (Acrynar), Add	23.51	
For 70% Fluoropolymer Finish (Duranar), Add	70.53	
For Clear Anodized Finish, Add	58.78	
For Color Anodized Finish, Add	82.29	
08 51 13 00-0063 EA >20 To 30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	1,533.26	115.80
For Installation In Concrete Or Masonry, Add	72.11	
For 50% Fluoropolymer Finish (Acrynar), Add	26.81	
For 70% Fluoropolymer Finish (Duranar), Add	80.42	
For Clear Anodized Finish, Add	67.01	
For Color Anodized Finish, Add	93.82	
08 51 13 00-0064 SF >30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	50.51	3.47
For Installation In Concrete Or Masonry, Add	2.28	
For 50% Fluoropolymer Finish (Acrynar), Add	0.89	
For 70% Fluoropolymer Finish (Duranar), Add	2.68	
For Clear Anodized Finish, Add	2.24	
For Color Anodized Finish, Add	3.13	
08 51 13 00-0065 Horizontal Sliding Aluminum Windows (08 51 13 00-0001)		
08 51 13 00-0066 One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Windows (08 51 13 00-0065)		
08 51 13 00-0067 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) (08 51 13 00-0066)		

08 Openings

08 50 Windows

08 51 Metal Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0068	EA		Up To 6 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	360.59	92.64
			<i>For Installation In Concrete Or Masonry, Add</i>	36.03	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	4.12	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	12.37	
			<i>For Clear Anodized Finish, Add</i>	10.31	
			<i>For Color Anodized Finish, Add</i>	14.43	
08 51 13 00-0069	EA		>6 To 10 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	402.38	98.43
			<i>For Installation In Concrete Or Masonry, Add</i>	38.77	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	4.77	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	14.30	
			<i>For Clear Anodized Finish, Add</i>	11.92	
			<i>For Color Anodized Finish, Add</i>	16.68	
08 51 13 00-0070	EA		>10 To 15 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	434.79	104.22
			<i>For Installation In Concrete Or Masonry, Add</i>	41.27	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	5.22	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	15.67	
			<i>For Clear Anodized Finish, Add</i>	13.05	
			<i>For Color Anodized Finish, Add</i>	18.28	
08 51 13 00-0071	EA		>15 To 20 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	468.54	110.01
			<i>For Installation In Concrete Or Masonry, Add</i>	43.80	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	5.70	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	17.11	
			<i>For Clear Anodized Finish, Add</i>	14.26	
			<i>For Color Anodized Finish, Add</i>	19.96	
08 51 13 00-0072	EA		>20 To 30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	533.09	115.80
			<i>For Installation In Concrete Or Masonry, Add</i>	47.10	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	6.80	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	20.41	
			<i>For Clear Anodized Finish, Add</i>	17.00	
			<i>For Color Anodized Finish, Add</i>	23.81	
08 51 13 00-0073	SF		>30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	17.13	3.47
			<i>For Installation In Concrete Or Masonry, Add</i>	1.44	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.23	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	0.68	
			<i>For Clear Anodized Finish, Add</i>	0.57	
			<i>For Color Anodized Finish, Add</i>	0.79	
08 51 13 00-0074			3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) <small>(08 51 13 00-0066)</small>		
08 51 13 00-0075	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	530.64	92.64
			<i>For Installation In Concrete Or Masonry, Add</i>	40.29	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	7.52	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	22.57	
			<i>For Clear Anodized Finish, Add</i>	18.81	
			<i>For Color Anodized Finish, Add</i>	26.34	
08 51 13 00-0076	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	593.84	98.43
			<i>For Installation In Concrete Or Masonry, Add</i>	43.55	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	8.60	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	25.79	
			<i>For Clear Anodized Finish, Add</i>	21.49	
			<i>For Color Anodized Finish, Add</i>	30.09	
08 51 13 00-0077	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	645.00	104.22
			<i>For Installation In Concrete Or Masonry, Add</i>	46.52	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	9.43	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	28.28	
			<i>For Clear Anodized Finish, Add</i>	23.57	
			<i>For Color Anodized Finish, Add</i>	32.99	
08 51 13 00-0078	EA		>15 To 20 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	694.82	110.01
			<i>For Installation In Concrete Or Masonry, Add</i>	49.46	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	10.23	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	30.69	
			<i>For Clear Anodized Finish, Add</i>	25.57	
			<i>For Color Anodized Finish, Add</i>	35.80	
08 51 13 00-0079	EA		>20 To 30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	798.19	115.80
			<i>For Installation In Concrete Or Masonry, Add</i>	53.73	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	12.10	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	36.31	
			<i>For Clear Anodized Finish, Add</i>	30.26	
			<i>For Color Anodized Finish, Add</i>	42.36	



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0080	SF	>30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	.....	25.97	3.47
		<i>For Installation In Concrete Or Masonry, Add</i>		1.66	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		0.40	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		1.21	
		<i>For Clear Anodized Finish, Add</i>		1.01	
		<i>For Color Anodized Finish, Add</i>		1.41	
08 51 13 00-0081		Two Rolling Sashes, Horizontal Sliding Aluminum Windows	(08 51 13 00-0065)		
08 51 13 00-0082		3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	(08 51 13 00-0081)		
08 51 13 00-0083	EA	Up To 6 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	.....	395.41	92.64
		<i>For Installation In Concrete Or Masonry, Add</i>		36.91	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		4.62	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		14.46	
		<i>For Clear Anodized Finish, Add</i>		12.05	
		<i>For Color Anodized Finish, Add</i>		16.87	
08 51 13 00-0084	EA	>6 To 10 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	.....	447.90	98.43
		<i>For Installation In Concrete Or Masonry, Add</i>		39.91	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		5.68	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		17.03	
		<i>For Clear Anodized Finish, Add</i>		14.19	
		<i>For Color Anodized Finish, Add</i>		19.87	
08 51 13 00-0085	EA	>10 To 15 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	.....	484.33	104.22
		<i>For Installation In Concrete Or Masonry, Add</i>		42.51	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		6.21	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		18.64	
		<i>For Clear Anodized Finish, Add</i>		15.53	
		<i>For Color Anodized Finish, Add</i>		21.74	
08 51 13 00-0086	EA	>15 To 20 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	.....	515.40	110.01
		<i>For Installation In Concrete Or Masonry, Add</i>		44.97	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		6.64	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		19.92	
		<i>For Clear Anodized Finish, Add</i>		16.60	
		<i>For Color Anodized Finish, Add</i>		23.24	
08 51 13 00-0087	EA	>20 To 30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	.....	587.98	115.80
		<i>For Installation In Concrete Or Masonry, Add</i>		48.47	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		7.90	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		23.70	
		<i>For Clear Anodized Finish, Add</i>		19.75	
		<i>For Color Anodized Finish, Add</i>		27.65	
08 51 13 00-0088	SF	>30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	.....	18.95	3.47
		<i>For Installation In Concrete Or Masonry, Add</i>		1.49	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		0.26	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		0.79	
		<i>For Clear Anodized Finish, Add</i>		0.66	
		<i>For Color Anodized Finish, Add</i>		0.92	
08 51 13 00-0089		Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Windows	(08 51 13 00-0065)		
08 51 13 00-0090		4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	(08 51 13 00-0089)		
08 51 13 00-0091	EA	Up To 12 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	.....	902.86	92.64
		<i>For Installation In Concrete Or Masonry, Add</i>		49.59	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		14.97	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		44.91	
		<i>For Clear Anodized Finish, Add</i>		37.42	
		<i>For Color Anodized Finish, Add</i>		52.39	
08 51 13 00-0092	EA	>12 To 18 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	.....	1,039.45	107.11
		<i>For Installation In Concrete Or Masonry, Add</i>		57.23	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		17.22	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		51.66	
		<i>For Clear Anodized Finish, Add</i>		43.05	
		<i>For Color Anodized Finish, Add</i>		60.27	
08 51 13 00-0093	EA	>18 To 24 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	.....	1,121.41	112.90
		<i>For Installation In Concrete Or Masonry, Add</i>		60.97	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		18.66	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		55.99	
		<i>For Clear Anodized Finish, Add</i>		46.66	
		<i>For Color Anodized Finish, Add</i>		65.33	

08 Openings

08 50 Windows

08 51 Metal Windows



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0094 EA >24 To 40 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	1,349.04	127.38
For Installation In Concrete Or Masonry, Add	70.88	
For 50% Fluoropolymer Finish (Acrynar), Add	22.73	
For 70% Fluoropolymer Finish (Duranar), Add	68.20	
For Clear Anodized Finish, Add	56.84	
For Color Anodized Finish, Add	79.57	
08 51 13 00-0095 EA >40 To 60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	1,556.07	144.75
For Installation In Concrete Or Masonry, Add	81.12	
For 50% Fluoropolymer Finish (Acrynar), Add	26.30	
For 70% Fluoropolymer Finish (Duranar), Add	78.89	
For Clear Anodized Finish, Add	65.74	
For Color Anodized Finish, Add	92.04	
08 51 13 00-0096 SF >60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	27.69	3.47
For Installation In Concrete Or Masonry, Add	1.71	
For 50% Fluoropolymer Finish (Acrynar), Add	0.44	
For 70% Fluoropolymer Finish (Duranar), Add	1.31	
For Clear Anodized Finish, Add	1.10	
For Color Anodized Finish, Add	1.53	
08 51 13 00-0097 Fixed Aluminum Windows (08 51 13 00-0001)		
08 51 13 00-0098 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) (08 51 13 00-0097)		
08 51 13 00-0099 EA Up To 6 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	297.66	92.64
For Installation In Concrete Or Masonry, Add	34.46	
For 50% Fluoropolymer Finish (Acrynar), Add	2.87	
For 70% Fluoropolymer Finish (Duranar), Add	8.60	
For Clear Anodized Finish, Add	7.16	
For Color Anodized Finish, Add	10.03	
08 51 13 00-0100 EA >6 To 10 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	334.09	98.43
For Installation In Concrete Or Masonry, Add	37.06	
For 50% Fluoropolymer Finish (Acrynar), Add	3.40	
For 70% Fluoropolymer Finish (Duranar), Add	10.20	
For Clear Anodized Finish, Add	8.50	
For Color Anodized Finish, Add	11.90	
08 51 13 00-0101 EA >10 To 15 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	353.12	104.22
For Installation In Concrete Or Masonry, Add	39.23	
For 50% Fluoropolymer Finish (Acrynar), Add	3.59	
For 70% Fluoropolymer Finish (Duranar), Add	10.77	
For Clear Anodized Finish, Add	8.97	
For Color Anodized Finish, Add	12.56	
08 51 13 00-0102 EA >15 To 20 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	372.14	110.01
For Installation In Concrete Or Masonry, Add	41.39	
For 50% Fluoropolymer Finish (Acrynar), Add	3.78	
For 70% Fluoropolymer Finish (Duranar), Add	11.33	
For Clear Anodized Finish, Add	9.44	
For Color Anodized Finish, Add	13.22	
08 51 13 00-0103 EA >20 To 30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	468.82	115.80
For Installation In Concrete Or Masonry, Add	45.50	
For 50% Fluoropolymer Finish (Acrynar), Add	5.52	
For 70% Fluoropolymer Finish (Duranar), Add	16.55	
For Clear Anodized Finish, Add	13.79	
For Color Anodized Finish, Add	19.31	
08 51 13 00-0104 SF >30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	14.99	3.47
For Installation In Concrete Or Masonry, Add	1.39	
For 50% Fluoropolymer Finish (Acrynar), Add	0.18	
For 70% Fluoropolymer Finish (Duranar), Add	0.55	
For Clear Anodized Finish, Add	0.46	
For Color Anodized Finish, Add	0.64	
08 51 13 00-0105 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) (08 51 13 00-0097)		
08 51 13 00-0106 EA Up To 6 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800).....	356.58	92.64
For Installation In Concrete Or Masonry, Add	35.93	
For 50% Fluoropolymer Finish (Acrynar), Add	4.04	
For 70% Fluoropolymer Finish (Duranar), Add	12.13	
For Clear Anodized Finish, Add	10.11	
For Color Anodized Finish, Add	14.15	
08 51 13 00-0107 EA >6 To 10 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800).....	402.38	98.43
For Installation In Concrete Or Masonry, Add	38.77	
For 50% Fluoropolymer Finish (Acrynar), Add	4.77	
For 70% Fluoropolymer Finish (Duranar), Add	14.30	
For Clear Anodized Finish, Add	11.92	
For Color Anodized Finish, Add	16.68	
08 51 13 00-0108 EA >10 To 15 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800).....	432.11	104.22
For Installation In Concrete Or Masonry, Add	41.20	
For 50% Fluoropolymer Finish (Acrynar), Add	5.17	
For 70% Fluoropolymer Finish (Duranar), Add	15.50	
For Clear Anodized Finish, Add	12.92	
For Color Anodized Finish, Add	18.09	



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51	13 00-0109	EA	>15 To 20 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)..... <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	463.18 43.67 5.60 16.79 13.99 19.59	110.01
08 51	13 00-0110	EA	>20 To 30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)..... <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	587.98 48.47 7.90 23.70 19.75 27.65	115.80
08 51	13 00-0111	SF	>30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)..... <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	18.95 1.49 0.26 0.79 0.66 0.92	3.47
08 51 13 00-0112 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100) (08 51 13					
08 51	13 00-0113	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	316.41 34.93 3.24 9.72 8.10 11.34	92.64
08 51	13 00-0114	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)..... <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	362.21 37.76 3.96 11.89 9.91 13.87	98.43
08 51	13 00-0115	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)..... <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	389.27 40.13 4.31 12.93 10.78 15.09	104.22
08 51	13 00-0116	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)..... <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	417.66 42.53 4.69 14.06 11.72 16.40	110.01
08 51	13 00-0117	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)..... <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	535.76 47.17 6.86 20.57 17.14 23.99	115.80
08 51	13 00-0118	SF	>30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	17.21 1.44 0.23 0.69 0.57 0.80	3.47
08 51 13 00-0119 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500) (08 51 13 00-					
08 51	13 00-0120	EA	Up To 6 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	315.07 34.90 3.21 9.64 8.03 11.25	92.64
08 51	13 00-0121	EA	>6 To 10 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	356.85 37.63 3.86 11.57 9.64 13.50	98.43
08 51	13 00-0122	EA	>10 To 15 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)..... <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	383.91 40.00 4.20 12.61 10.51 14.71	104.22
08 51	13 00-0123	EA	>15 To 20 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)..... <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	412.31 42.39 4.58 13.74 11.45 16.03	110.01

08 Openings

08 50 Windows

08 51 Metal Windows



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0124 EA >20 To 30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	530.41	115.80
For Installation In Concrete Or Masonry, Add	47.04	
For 50% Fluoropolymer Finish (Acrynar), Add	6.75	
For 70% Fluoropolymer Finish (Duranar), Add	20.24	
For Clear Anodized Finish, Add	16.87	
For Color Anodized Finish, Add	23.62	
08 51 13 00-0125 SF >30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	17.04	3.47
For Installation In Concrete Or Masonry, Add	1.44	
For 50% Fluoropolymer Finish (Acrynar), Add	0.23	
For 70% Fluoropolymer Finish (Duranar), Add	0.68	
For Clear Anodized Finish, Add	0.56	
For Color Anodized Finish, Add	0.79	
08 51 13 00-0126 Projected Aluminum Windows (08 51 13 00-0001)		
08 51 13 00-0127 Single Vent, Projected Aluminum Windows (08 51 13 00-0126)		
08 51 13 00-0128 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250) (08 51 13 00-0127)		
08 51 13 00-0129 EA Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	398.35	92.64
For Installation In Concrete Or Masonry, Add	36.98	
For 50% Fluoropolymer Finish (Acrynar), Add	4.88	
For 70% Fluoropolymer Finish (Duranar), Add	14.64	
For Clear Anodized Finish, Add	12.20	
For Color Anodized Finish, Add	17.08	
08 51 13 00-0130 EA >6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	430.36	98.43
For Installation In Concrete Or Masonry, Add	39.47	
For 50% Fluoropolymer Finish (Acrynar), Add	5.33	
For 70% Fluoropolymer Finish (Duranar), Add	15.98	
For Clear Anodized Finish, Add	13.32	
For Color Anodized Finish, Add	18.64	
08 51 13 00-0131 EA >10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	466.92	104.22
For Installation In Concrete Or Masonry, Add	42.07	
For 50% Fluoropolymer Finish (Acrynar), Add	5.86	
For 70% Fluoropolymer Finish (Duranar), Add	17.59	
For Clear Anodized Finish, Add	14.66	
For Color Anodized Finish, Add	20.53	
08 51 13 00-0132 SF >15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	25.34	3.47
For Installation In Concrete Or Masonry, Add	1.65	
For 50% Fluoropolymer Finish (Acrynar), Add	0.39	
For 70% Fluoropolymer Finish (Duranar), Add	1.17	
For Clear Anodized Finish, Add	0.98	
For Color Anodized Finish, Add	1.37	
08 51 13 00-0133 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) (08 51 13 00-0127)		
08 51 13 00-0134 EA Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	516.73	92.64
For Installation In Concrete Or Masonry, Add	39.94	
For 50% Fluoropolymer Finish (Acrynar), Add	7.25	
For 70% Fluoropolymer Finish (Duranar), Add	21.74	
For Clear Anodized Finish, Add	18.12	
For Color Anodized Finish, Add	25.36	
08 51 13 00-0135 EA >6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	568.28	98.43
For Installation In Concrete Or Masonry, Add	42.92	
For 50% Fluoropolymer Finish (Acrynar), Add	8.08	
For 70% Fluoropolymer Finish (Duranar), Add	24.25	
For Clear Anodized Finish, Add	20.21	
For Color Anodized Finish, Add	28.30	
08 51 13 00-0136 EA >10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	627.59	104.22
For Installation In Concrete Or Masonry, Add	46.09	
For 50% Fluoropolymer Finish (Acrynar), Add	9.08	
For 70% Fluoropolymer Finish (Duranar), Add	27.23	
For Clear Anodized Finish, Add	22.69	
For Color Anodized Finish, Add	31.77	
08 51 13 00-0137 SF >15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	36.05	3.47
For Installation In Concrete Or Masonry, Add	1.91	
For 50% Fluoropolymer Finish (Acrynar), Add	0.61	
For 70% Fluoropolymer Finish (Duranar), Add	1.82	
For Clear Anodized Finish, Add	1.51	
For Color Anodized Finish, Add	2.12	
08 51 13 00-0138 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) (08 51 13 00-0127)		
08 51 13 00-0139 EA Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	561.12	92.64
For Installation In Concrete Or Masonry, Add	41.05	
For 50% Fluoropolymer Finish (Acrynar), Add	8.13	
For 70% Fluoropolymer Finish (Duranar), Add	24.40	
For Clear Anodized Finish, Add	20.34	
For Color Anodized Finish, Add	28.47	



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0140	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	.....	619.99	98.43
		<i>For Installation In Concrete Or Masonry, Add</i>		44.21	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		9.12	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		27.36	
		<i>For Clear Anodized Finish, Add</i>		22.80	
		<i>For Color Anodized Finish, Add</i>		31.92	
08 51 13 00-0141	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	.....	687.85	104.22
		<i>For Installation In Concrete Or Masonry, Add</i>		47.59	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		10.28	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		30.85	
		<i>For Clear Anodized Finish, Add</i>		25.71	
		<i>For Color Anodized Finish, Add</i>		35.99	
08 51 13 00-0142	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	.....	40.07	3.47
		<i>For Installation In Concrete Or Masonry, Add</i>		2.02	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		0.69	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		2.06	
		<i>For Clear Anodized Finish, Add</i>		1.71	
		<i>For Color Anodized Finish, Add</i>		2.40	
08 51 13 00-0143 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600) (08 51 13 00-0127)					
08 51 13 00-0144	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600)	.....	591.70	92.64
		<i>For Installation In Concrete Or Masonry, Add</i>		41.81	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		8.75	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		26.24	
		<i>For Clear Anodized Finish, Add</i>		21.87	
		<i>For Color Anodized Finish, Add</i>		30.61	
08 51 13 00-0145	EA	>6 To 10 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	.....	655.62	98.43
		<i>For Installation In Concrete Or Masonry, Add</i>		45.10	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		9.83	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		29.49	
		<i>For Clear Anodized Finish, Add</i>		24.58	
		<i>For Color Anodized Finish, Add</i>		34.41	
08 51 13 00-0146	EA	>10 To 15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	.....	729.35	104.22
		<i>For Installation In Concrete Or Masonry, Add</i>		48.63	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		11.11	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		33.34	
		<i>For Clear Anodized Finish, Add</i>		27.78	
		<i>For Color Anodized Finish, Add</i>		38.90	
08 51 13 00-0147	SF	>15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	.....	42.84	3.47
		<i>For Installation In Concrete Or Masonry, Add</i>		2.08	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		0.74	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		2.22	
		<i>For Clear Anodized Finish, Add</i>		1.85	
		<i>For Color Anodized Finish, Add</i>		2.59	
08 51 13 00-0148 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750) (08 51 13 00-0127)					
08 51 13 00-0149	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	.....	587.75	92.64
		<i>For Installation In Concrete Or Masonry, Add</i>		41.71	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		8.67	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		26.00	
		<i>For Clear Anodized Finish, Add</i>		21.67	
		<i>For Color Anodized Finish, Add</i>		30.33	
08 51 13 00-0150	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	.....	651.03	98.43
		<i>For Installation In Concrete Or Masonry, Add</i>		44.98	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		9.74	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		29.22	
		<i>For Clear Anodized Finish, Add</i>		24.35	
		<i>For Color Anodized Finish, Add</i>		34.09	
08 51 13 00-0151	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	.....	724.00	104.22
		<i>For Installation In Concrete Or Masonry, Add</i>		48.50	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		11.01	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		33.02	
		<i>For Clear Anodized Finish, Add</i>		27.52	
		<i>For Color Anodized Finish, Add</i>		38.52	
08 51 13 00-0152	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	.....	42.48	3.47
		<i>For Installation In Concrete Or Masonry, Add</i>		2.08	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		0.73	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		2.20	
		<i>For Clear Anodized Finish, Add</i>		1.83	
		<i>For Color Anodized Finish, Add</i>		2.57	
08 51 13 00-0153 Fixed Over Vent, Projected Aluminum Windows (08 51 13 00-0126)					

08 Openings

08 50 Windows

08 51 Metal Windows



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 51 13 00-0154		2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) <small>(08 51 13 00-0153)</small>			
08 51 13 00-0155	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	527.58		92.64
		<i>For Installation In Concrete Or Masonry, Add</i>	40.21		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	7.46		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	22.39		
		<i>For Clear Anodized Finish, Add</i>	18.66		
		<i>For Color Anodized Finish, Add</i>	26.12		
08 51 13 00-0156	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	580.92		98.43
		<i>For Installation In Concrete Or Masonry, Add</i>	43.23		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	8.34		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	25.01		
		<i>For Clear Anodized Finish, Add</i>	20.84		
		<i>For Color Anodized Finish, Add</i>	29.18		
08 51 13 00-0157	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	642.32		104.22
		<i>For Installation In Concrete Or Masonry, Add</i>	46.46		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	9.37		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	28.12		
		<i>For Clear Anodized Finish, Add</i>	23.43		
		<i>For Color Anodized Finish, Add</i>	32.80		
08 51 13 00-0158	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	36.99		3.47
		<i>For Installation In Concrete Or Masonry, Add</i>	1.94		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.62		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	1.87		
		<i>For Clear Anodized Finish, Add</i>	1.56		
		<i>For Color Anodized Finish, Add</i>	2.18		
08 51 13 00-0159		2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) <small>(08 51 13 00-0153)</small>			
08 51 13 00-0160	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	715.02		92.64
		<i>For Installation In Concrete Or Masonry, Add</i>	44.90		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	11.21		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	33.64		
		<i>For Clear Anodized Finish, Add</i>	28.03		
		<i>For Color Anodized Finish, Add</i>	39.24		
08 51 13 00-0161	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	799.29		98.43
		<i>For Installation In Concrete Or Masonry, Add</i>	48.69		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	12.70		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	38.11		
		<i>For Clear Anodized Finish, Add</i>	31.76		
		<i>For Color Anodized Finish, Add</i>	44.47		
08 51 13 00-0162	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	896.72		104.22
		<i>For Installation In Concrete Or Masonry, Add</i>	52.82		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	14.46		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	43.38		
		<i>For Clear Anodized Finish, Add</i>	36.15		
		<i>For Color Anodized Finish, Add</i>	50.61		
08 51 13 00-0163	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	53.99		3.47
		<i>For Installation In Concrete Or Masonry, Add</i>	2.36		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.96		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	2.89		
		<i>For Clear Anodized Finish, Add</i>	2.41		
		<i>For Color Anodized Finish, Add</i>	3.37		
08 51 13 00-0164		3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) <small>(08 51 13 00-0153)</small>			
08 51 13 00-0165	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	754.48		92.64
		<i>For Installation In Concrete Or Masonry, Add</i>	45.88		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	12.00		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	36.00		
		<i>For Clear Anodized Finish, Add</i>	30.00		
		<i>For Color Anodized Finish, Add</i>	42.01		
08 51 13 00-0166	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	845.25		98.43
		<i>For Installation In Concrete Or Masonry, Add</i>	49.84		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	13.62		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	40.87		
		<i>For Clear Anodized Finish, Add</i>	34.06		
		<i>For Color Anodized Finish, Add</i>	47.68		



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0167	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	950.27	104.22
			<i>For Installation In Concrete Or Masonry, Add</i>	54.15	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	15.53	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	46.59	
			<i>For Clear Anodized Finish, Add</i>	38.83	
			<i>For Color Anodized Finish, Add</i>	54.36	
08 51 13 00-0168	SF		>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	57.47	3.47
			<i>For Installation In Concrete Or Masonry, Add</i>	2.45	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	1.03	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	3.10	
			<i>For Clear Anodized Finish, Add</i>	2.58	
			<i>For Color Anodized Finish, Add</i>	3.62	
08 51 13 00-0169			3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600) <small>(08 51 13 00-0153)</small>		
08 51 13 00-0170	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	750.54	92.64
			<i>For Installation In Concrete Or Masonry, Add</i>	45.78	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	11.92	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	35.77	
			<i>For Clear Anodized Finish, Add</i>	29.81	
			<i>For Color Anodized Finish, Add</i>	41.73	
08 51 13 00-0171	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	840.66	98.43
			<i>For Installation In Concrete Or Masonry, Add</i>	49.73	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	13.53	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	40.60	
			<i>For Clear Anodized Finish, Add</i>	33.83	
			<i>For Color Anodized Finish, Add</i>	47.36	
08 51 13 00-0172	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	944.92	104.22
			<i>For Installation In Concrete Or Masonry, Add</i>	54.02	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	15.42	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	46.27	
			<i>For Clear Anodized Finish, Add</i>	38.56	
			<i>For Color Anodized Finish, Add</i>	53.99	
08 51 13 00-0173	SF		>15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	57.20	3.47
			<i>For Installation In Concrete Or Masonry, Add</i>	2.44	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	1.03	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	3.08	
			<i>For Clear Anodized Finish, Add</i>	2.57	
			<i>For Color Anodized Finish, Add</i>	3.60	
08 51 13 00-0174			4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) <small>(08 51 13 00-0153)</small>		
08 51 13 00-0175	EA		Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	811.70	92.64
			<i>For Installation In Concrete Or Masonry, Add</i>	47.31	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	13.15	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	39.44	
			<i>For Clear Anodized Finish, Add</i>	32.87	
			<i>For Color Anodized Finish, Add</i>	46.01	
08 51 13 00-0176	EA		>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	911.92	98.43
			<i>For Installation In Concrete Or Masonry, Add</i>	51.51	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	14.96	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	44.87	
			<i>For Clear Anodized Finish, Add</i>	37.39	
			<i>For Color Anodized Finish, Add</i>	52.35	
08 51 13 00-0177	EA		>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	1,027.93	104.22
			<i>For Installation In Concrete Or Masonry, Add</i>	56.10	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	17.08	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	51.25	
			<i>For Clear Anodized Finish, Add</i>	42.71	
			<i>For Color Anodized Finish, Add</i>	59.80	
08 51 13 00-0178	SF		>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	62.69	3.47
			<i>For Installation In Concrete Or Masonry, Add</i>	2.58	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	1.14	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	3.41	
			<i>For Clear Anodized Finish, Add</i>	2.85	
			<i>For Color Anodized Finish, Add</i>	3.98	
08 51 13 00-0179			Casement Aluminum Windows <small>(08 51 13 00-0001)</small>		
08 51 13 00-0180			Single Vent, Casement Aluminum Windows <small>(08 51 13 00-0179)</small>		
08 51 13 00-0181			2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) <small>(08 51 13 00-0180)</small>		

08 Openings**08 50 Windows****08 51 Metal Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0182	EA		Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220).....	446.69	92.64
			<i>For Installation In Concrete Or Masonry, Add</i>	38.19	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	5.85	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	17.54	
			<i>For Clear Anodized Finish, Add</i>	14.61	
			<i>For Color Anodized Finish, Add</i>	20.46	
08 51 13 00-0183	EA		>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220).....	486.68	98.43
			<i>For Installation In Concrete Or Masonry, Add</i>	40.88	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	6.45	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	19.36	
			<i>For Clear Anodized Finish, Add</i>	16.13	
			<i>For Color Anodized Finish, Add</i>	22.58	
08 51 13 00-0184	EA		>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220).....	532.53	104.22
			<i>For Installation In Concrete Or Masonry, Add</i>	43.71	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	7.18	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	21.53	
			<i>For Clear Anodized Finish, Add</i>	17.94	
			<i>For Color Anodized Finish, Add</i>	25.12	
08 51 13 00-0185	SF		>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220).....	29.72	3.47
			<i>For Installation In Concrete Or Masonry, Add</i>	1.76	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.48	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	1.44	
			<i>For Clear Anodized Finish, Add</i>	1.20	
			<i>For Color Anodized Finish, Add</i>	1.68	
08 51 13 00-0186			2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) (08 51 13 00-0180)		
08 51 13 00-0187	EA		Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200).....	626.24	92.64
			<i>For Installation In Concrete Or Masonry, Add</i>	42.68	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	9.44	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	28.31	
			<i>For Clear Anodized Finish, Add</i>	23.59	
			<i>For Color Anodized Finish, Add</i>	33.03	
08 51 13 00-0188	EA		>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200).....	695.84	98.43
			<i>For Installation In Concrete Or Masonry, Add</i>	46.10	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	10.64	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	31.91	
			<i>For Clear Anodized Finish, Add</i>	26.59	
			<i>For Color Anodized Finish, Add</i>	37.23	
08 51 13 00-0189	EA		>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200).....	776.21	104.22
			<i>For Installation In Concrete Or Masonry, Add</i>	49.80	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	12.05	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	36.15	
			<i>For Clear Anodized Finish, Add</i>	30.13	
			<i>For Color Anodized Finish, Add</i>	42.18	
08 51 13 00-0190	SF		>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200).....	45.96	3.47
			<i>For Installation In Concrete Or Masonry, Add</i>	2.16	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.80	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	2.41	
			<i>For Clear Anodized Finish, Add</i>	2.01	
			<i>For Color Anodized Finish, Add</i>	2.81	
08 51 13 00-0191			3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200) (08 51 13 00-0180)		
08 51 13 00-0192	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200).....	629.19	92.64
			<i>For Installation In Concrete Or Masonry, Add</i>	42.75	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	9.50	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	28.49	
			<i>For Clear Anodized Finish, Add</i>	23.74	
			<i>For Color Anodized Finish, Add</i>	33.24	
08 51 13 00-0193	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200).....	699.30	98.43
			<i>For Installation In Concrete Or Masonry, Add</i>	46.19	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	10.71	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	32.12	
			<i>For Clear Anodized Finish, Add</i>	26.76	
			<i>For Color Anodized Finish, Add</i>	37.47	
08 51 13 00-0194	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200).....	780.23	104.22
			<i>For Installation In Concrete Or Masonry, Add</i>	49.90	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	12.13	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	36.39	
			<i>For Clear Anodized Finish, Add</i>	30.33	
			<i>For Color Anodized Finish, Add</i>	42.46	



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0195 SF >15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200).....	46.23	3.47
For Installation In Concrete Or Masonry, Add	2.17	
For 50% Fluoropolymer Finish (Acrynar), Add	0.81	
For 70% Fluoropolymer Finish (Duramar), Add	2.43	
For Clear Anodized Finish, Add	2.02	
For Color Anodized Finish, Add	2.83	
08 51 13 00-0196 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720) (08 51 13 00-0180)		
08 51 13 00-0197 EA Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720).....	659.78	92.64
For Installation In Concrete Or Masonry, Add	43.51	
For 50% Fluoropolymer Finish (Acrynar), Add	10.11	
For 70% Fluoropolymer Finish (Duramar), Add	30.32	
For Clear Anodized Finish, Add	25.27	
For Color Anodized Finish, Add	35.38	
08 51 13 00-0198 EA >6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720).....	734.93	98.43
For Installation In Concrete Or Masonry, Add	47.08	
For 50% Fluoropolymer Finish (Acrynar), Add	11.42	
For 70% Fluoropolymer Finish (Duramar), Add	34.25	
For Clear Anodized Finish, Add	28.54	
For Color Anodized Finish, Add	39.96	
08 51 13 00-0199 EA >10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720).....	821.74	104.22
For Installation In Concrete Or Masonry, Add	50.94	
For 50% Fluoropolymer Finish (Acrynar), Add	12.96	
For 70% Fluoropolymer Finish (Duramar), Add	38.88	
For Clear Anodized Finish, Add	32.40	
For Color Anodized Finish, Add	45.36	
08 51 13 00-0200 SF >15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720).....	49.00	3.47
For Installation In Concrete Or Masonry, Add	2.24	
For 50% Fluoropolymer Finish (Acrynar), Add	0.86	
For 70% Fluoropolymer Finish (Duramar), Add	2.59	
For Clear Anodized Finish, Add	2.16	
For Color Anodized Finish, Add	3.02	
08 51 13 00-0201 Fixed Over Vent, Casement Aluminum Windows (08 51 13 00-0179)		
08 51 13 00-0202 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220) (08 51 13 00-0201)		
08 51 13 00-0203 EA Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220).....	500.95	92.64
For Installation In Concrete Or Masonry, Add	39.54	
For 50% Fluoropolymer Finish (Acrynar), Add	6.93	
For 70% Fluoropolymer Finish (Duramar), Add	20.79	
For Clear Anodized Finish, Add	17.33	
For Color Anodized Finish, Add	24.26	
08 51 13 00-0204 EA >6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220).....	549.89	98.43
For Installation In Concrete Or Masonry, Add	42.46	
For 50% Fluoropolymer Finish (Acrynar), Add	7.72	
For 70% Fluoropolymer Finish (Duramar), Add	23.15	
For Clear Anodized Finish, Add	19.29	
For Color Anodized Finish, Add	27.01	
08 51 13 00-0205 EA >10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220).....	606.17	104.22
For Installation In Concrete Or Masonry, Add	45.55	
For 50% Fluoropolymer Finish (Acrynar), Add	8.65	
For 70% Fluoropolymer Finish (Duramar), Add	25.95	
For Clear Anodized Finish, Add	21.62	
For Color Anodized Finish, Add	30.27	
08 51 13 00-0206 SF >15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220).....	34.62	3.47
For Installation In Concrete Or Masonry, Add	1.88	
For 50% Fluoropolymer Finish (Acrynar), Add	0.58	
For 70% Fluoropolymer Finish (Duramar), Add	1.73	
For Clear Anodized Finish, Add	1.44	
For Color Anodized Finish, Add	2.02	
08 51 13 00-0207 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) (08 51 13 00-0201)		
08 51 13 00-0208 EA Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200).....	680.49	92.64
For Installation In Concrete Or Masonry, Add	44.03	
For 50% Fluoropolymer Finish (Acrynar), Add	10.52	
For 70% Fluoropolymer Finish (Duramar), Add	31.57	
For Clear Anodized Finish, Add	26.30	
For Color Anodized Finish, Add	36.83	
08 51 13 00-0209 EA >6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200).....	759.05	98.43
For Installation In Concrete Or Masonry, Add	47.69	
For 50% Fluoropolymer Finish (Acrynar), Add	11.90	
For 70% Fluoropolymer Finish (Duramar), Add	35.70	
For Clear Anodized Finish, Add	29.75	
For Color Anodized Finish, Add	41.65	

08 Openings

08 50 Windows

08 51 Metal Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0210	EA		>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	849.85	104.22
			<i>For Installation In Concrete Or Masonry, Add</i>	51.64	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	13.52	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	40.57	
			<i>For Clear Anodized Finish, Add</i>	33.81	
			<i>For Color Anodized Finish, Add</i>	47.33	
08 51 13 00-0211	SF		>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	50.87	3.47
			<i>For Installation In Concrete Or Masonry, Add</i>	2.29	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.90	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	2.70	
			<i>For Clear Anodized Finish, Add</i>	2.25	
			<i>For Color Anodized Finish, Add</i>	3.16	
08 51 13 00-0212			3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) <small>(08 51 13 00-0201)</small>		
08 51 13 00-0213	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	746.59	92.64
			<i>For Installation In Concrete Or Masonry, Add</i>	45.68	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	11.84	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	35.53	
			<i>For Clear Anodized Finish, Add</i>	29.61	
			<i>For Color Anodized Finish, Add</i>	41.45	
08 51 13 00-0214	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	836.07	98.43
			<i>For Installation In Concrete Or Masonry, Add</i>	49.61	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	13.44	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	40.32	
			<i>For Clear Anodized Finish, Add</i>	33.60	
			<i>For Color Anodized Finish, Add</i>	47.04	
08 51 13 00-0215	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	939.56	104.22
			<i>For Installation In Concrete Or Masonry, Add</i>	53.89	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	15.32	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	45.95	
			<i>For Clear Anodized Finish, Add</i>	38.29	
			<i>For Color Anodized Finish, Add</i>	53.61	
08 51 13 00-0216	SF		>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	56.84	3.47
			<i>For Installation In Concrete Or Masonry, Add</i>	2.43	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	1.02	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	3.06	
			<i>For Clear Anodized Finish, Add</i>	2.55	
			<i>For Color Anodized Finish, Add</i>	3.57	
08 51 13 00-0217			4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720) <small>(08 51 13 00-0201)</small>		
08 51 13 00-0218	EA		Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	806.76	92.64
			<i>For Installation In Concrete Or Masonry, Add</i>	47.19	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	13.05	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	39.14	
			<i>For Clear Anodized Finish, Add</i>	32.62	
			<i>For Color Anodized Finish, Add</i>	45.67	
08 51 13 00-0219	EA		>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	906.17	98.43
			<i>For Installation In Concrete Or Masonry, Add</i>	51.36	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	14.84	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	44.53	
			<i>For Clear Anodized Finish, Add</i>	37.11	
			<i>For Color Anodized Finish, Add</i>	51.95	
08 51 13 00-0220	EA		>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	1,021.24	104.22
			<i>For Installation In Concrete Or Masonry, Add</i>	55.93	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	16.95	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	50.85	
			<i>For Clear Anodized Finish, Add</i>	42.38	
			<i>For Color Anodized Finish, Add</i>	59.33	
08 51 13 00-0221	SF		>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	62.29	3.47
			<i>For Installation In Concrete Or Masonry, Add</i>	2.57	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	1.13	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	3.39	
			<i>For Clear Anodized Finish, Add</i>	2.83	
			<i>For Color Anodized Finish, Add</i>	3.96	
08 51 13 00-0222			Aluminum Window Accessories <small>(08 51 13)</small>		
08 51 13 00-0223			Aluminum Window Mullions <small>(08 51 13 00-0222)</small>		



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0224 LF Integral Mullions For Aluminum Windows..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	16.56 0.17 0.51 0.43 0.60	4.34
08 51 13 00-0225 Aluminum Window Panning (08 51 13 00-0222) Note: Panning price is determined by window size. For windows greater than 30 square feet multiply window square footage by square foot price.		
08 51 13 00-0226 EA Up To 6 SF Window, Aluminum Window Panning..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	160.45 2.02 6.06 5.05 7.07	35.66
08 51 13 00-0227 EA >6 To 10 SF Window, Aluminum Window Panning..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	229.28 2.60 7.81 6.51 9.12	59.42
08 51 13 00-0228 EA >10 To 15 SF Window, Aluminum Window Panning..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	290.98 2.85 8.54 7.12 9.97	89.13
08 51 13 00-0229 EA >15 To 20 SF Window, Aluminum Window Panning..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	355.11 3.14 9.42 7.85 10.99	118.85
08 51 13 00-0230 EA >20 To 30 SF Window, Aluminum Window Panning..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	482.13 3.70 11.10 9.25 12.95	178.28
08 51 13 00-0231 SF >30 SF Window, Aluminum Window Panning..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	18.16 0.12 0.35 0.29 0.40	7.43
08 51 13 00-0232 Aluminum Window Muntins, Grilles Or Dividers (08 51 13 00-0222)		
08 51 13 00-0233 SF Applied (Per Side) Muntins Grilles Or Dividers For Aluminum Windows..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	6.34 0.01 0.03 0.03 0.04	4.34
08 51 13 00-0234 SF Internal Only (Between Glass) Muntins, Grilles Or Dividers For Aluminum Windows..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	7.92 0.04 0.13 0.11 0.15	4.34
08 51 13 00-0235 SF Simulated Divided Lite Muntins Grilles Or Dividers For Aluminum Windows..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	17.52 0.06 0.18 0.15 0.21	4.34
08 51 13 00-0236 SF True Divided Lite Muntins Grilles Or Dividers For Aluminum Windows..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	20.66 0.09 0.26 0.21 0.30	4.34
08 51 13 00-0237 Other Aluminum Window Accessories (08 51 13 00-0222)		
08 51 13 00-0238 EA Roto Operator For Casement Aluminum Windows.....	115.45	19.29
08 51 13 00-0239 EA Head And Sill Automatic Locks For Hung Aluminum Windows.....	61.89	19.29
08 51 19 Stainless-Steel Windows (08 51) See CSI section 08 80 00 00-0000 for glazing.		
08 51 19 00-0001 Stainless Steel Windows Types (08 51 19)		
08 51 19 00-0002 Industrial (08 51 19 00-0001)		
08 51 19 00-0003 SF Stainless Steel Window With Horizontal Pivot Sash..... <i>For Heavy Commercial Grade (HC-40), Add</i> <i>For Non Stock Custom Sizes, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	82.98 34.45 7.33 3.76	5.79
08 51 19 00-0004 SF Stainless Steel Window, Fixed Sash..... <i>For Heavy Commercial Grade (HC-40), Add</i> <i>For Non Stock Custom Sizes, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	62.29 25.14 5.26 3.25	5.79

08 Openings**08 50 Windows****08 51 Metal Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 19 00-0005			Projected Sash (08 51 19 00-0001)		
08 51 19 00-0006	SF		Commercial Projected Sash Window - 40% Vented Stainless Steel.....	86.84	5.79
			<i>For Heavy Commercial Grade (HC-40), Add</i>	36.18	
			<i>For Non Stock Custom Sizes, Add</i>	7.72	
			<i>For Installation In Concrete Or Masonry, Add</i>	3.86	
08 51 19 00-0007	SF		Intermediate Projected Sash Window - 40% Vented Stainless Steel.....	95.99	5.79
			<i>For Heavy Commercial Grade (HC-40), Add</i>	40.30	
			<i>For Non Stock Custom Sizes, Add</i>	8.63	
			<i>For Installation In Concrete Or Masonry, Add</i>	4.09	
08 51 19 00-0008			Other Type Sash (08 51 19 00-0001)		
08 51 19 00-0009	SF		Double Hung Stainless Steel Window Sash	105.12	5.79
			<i>For Heavy Commercial Grade (HC-40), Add</i>	44.41	
			<i>For Non Stock Custom Sizes, Add</i>	9.55	
			<i>For Installation In Concrete Or Masonry, Add</i>	4.32	
08 51 19 00-0010	SF		Single Hung Stainless Steel Window Sash.....	74.03	5.79
			<i>For Heavy Commercial Grade (HC-40), Add</i>	30.42	
			<i>For Non Stock Custom Sizes, Add</i>	6.44	
			<i>For Installation In Concrete Or Masonry, Add</i>	3.54	
08 51 19 00-0011	SF		Stainless Steel Picture Window Sash	61.67	5.79
			<i>For Heavy Commercial Grade (HC-40), Add</i>	24.86	
			<i>For Non Stock Custom Sizes, Add</i>	5.20	
			<i>For Installation In Concrete Or Masonry, Add</i>	3.23	
08 51 19 00-0012	SF		Sliding Stainless Steel Window.....	108.47	5.79
			<i>For Heavy Commercial Grade (HC-40), Add</i>	45.92	
			<i>For Non Stock Custom Sizes, Add</i>	9.88	
			<i>For Installation In Concrete Or Masonry, Add</i>	4.40	
08 51 19 00-0013			Casements (08 51 19 00-0001)		
08 51 19 00-0014	SF		Stainless Steel Window Casements, 100% Vented Operable, Factory Primed.....	94.09	5.79
			<i>For Heavy Commercial Grade (HC-40), Add</i>	39.45	
			<i>For Non Stock Custom Sizes, Add</i>	8.44	
			<i>For Installation In Concrete Or Masonry, Add</i>	4.04	
08 51 19 00-0015	SF		Stainless Steel Window Casements, 50% Vented Operable, Factory Primed	81.23	5.79
			<i>For Heavy Commercial Grade (HC-40), Add</i>	33.66	
			<i>For Non Stock Custom Sizes, Add</i>	7.16	
			<i>For Installation In Concrete Or Masonry, Add</i>	3.72	
08 51 19 00-0016	SF		Stainless Steel Window Casements, Fixed Sash, Factory Primed	56.96	5.79
			<i>For Heavy Commercial Grade (HC-40), Add</i>	22.74	
			<i>For Non Stock Custom Sizes, Add</i>	4.73	
			<i>For Installation In Concrete Or Masonry, Add</i>	3.11	
08 51 23			Steel Windows (08 51)		
			Note: All sashes are factory primed. See CSI section 08 80 00 00-0000 for glazing.		
08 51 23 00-0001			Steel Windows (08 51 23)		
08 51 23 00-0002			Industrial (08 51 23 00-0001)		
08 51 23 00-0003	SF		Industrial Steel Window With Horizontal Pivot Sash	43.49	5.79
			<i>For Double Glazing Sash, Add</i>	20.88	
			<i>For Bonderized Finish, Add</i>	12.86	
			<i>For Installation In Concrete Or Masonry, Add</i>	2.78	
08 51 23 00-0004	SF		Industrial Steel Window, Fixed Sash.....	39.15	5.79
			<i>For Double Glazing Sash, Add</i>	18.28	
			<i>For Bonderized Finish, Add</i>	11.21	
			<i>For Installation In Concrete Or Masonry, Add</i>	2.67	
08 51 23 00-0005	SF		Industrial Steel Window, Operable Security Sash.....	61.27	5.79
			<i>For Double Glazing Sash, Add</i>	31.55	
			<i>For Bonderized Finish, Add</i>	19.62	
			<i>For Installation In Concrete Or Masonry, Add</i>	3.22	
08 51 23 00-0006	SF		Industrial Steel Window, Fixed Security Sash.....	52.60	5.79
			<i>For Double Glazing Sash, Add</i>	26.35	
			<i>For Bonderized Finish, Add</i>	16.32	
			<i>For Installation In Concrete Or Masonry, Add</i>	3.00	
08 51 23 00-0007			Projected Sash (08 51 23 00-0001)		
08 51 23 00-0008	SF		Commercial Projected Sash Window - 40% Vented Steel.....	49.95	5.79
			<i>For Double Glazing Sash, Add</i>	24.76	
			<i>For Bonderized Finish, Add</i>	15.31	
			<i>For Installation In Concrete Or Masonry, Add</i>	2.94	
08 51 23 00-0009	SF		Intermediate Projected Sash Window - 40% Vented Steel	54.72	5.79
			<i>For Double Glazing Sash, Add</i>	27.62	
			<i>For Bonderized Finish, Add</i>	17.13	
			<i>For Installation In Concrete Or Masonry, Add</i>	3.06	
08 51 23 00-0010			Other Type Sash (08 51 23 00-0001)		



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 23 00-0011	SF		Double Hung Steel Window Sash..... <i>For Double Glazing Sash, Add</i> <i>For Bonderized Finish, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	63.14 32.67 20.33 3.27	5.79
08 51 23 00-0012	SF		Steel Picture Window Sash..... <i>For Double Glazing Sash, Add</i> <i>For Bonderized Finish, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	29.18 12.30 7.42 2.42	5.79
08 51 23 00-0013	SF		Fire Rated Double Hung Steel Window Sash <i>For Double Glazing Sash, Add</i> <i>For Bonderized Finish, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	65.02 33.80 21.04 3.31	7.24
08 51 23 00-0014	SF		Single Hung Steel Window Sash <i>For Double Glazing Sash, Add</i> <i>For Bonderized Finish, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	45.73 22.23 13.71 2.83	5.79
08 51 23 00-0015			Casements (08 51 23 00-0001)		
08 51 23 00-0016	SF		Steel Window Casements, 100% Vented Operable, Factory Primed <i>For Double Glazing Sash, Add</i> <i>For Bonderized Finish, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	56.98 28.98 17.99 3.11	2.90
08 51 23 00-0017	SF		Steel Window Casements, 50% Vented Operable, Factory Primed <i>For Double Glazing Sash, Add</i> <i>For Bonderized Finish, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	49.77 24.65 15.25 2.93	2.90
08 51 23 00-0018	SF		Steel Window Casements, Fixed Sash, Factory Primed..... <i>For Double Glazing Sash, Add</i> <i>For Bonderized Finish, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	36.16 16.49 10.07 2.59	4.34
08 51 23 00-0019			Mullions (08 51 23 00-0001)		
08 51 23 00-0020	LF		Open Faced Steel Mullion.....	22.33	4.34
08 51 23 00-0021	LF		Covered Steel Mullions.....	35.96	4.34
08 51 23 00-0022			Removal And Reinstallation Of Metal Window And Frame (08 51 23) Note: Steel or aluminum frame. Includes storage, cleaning and supply materials, caulk and sealants.		
08 51 23 00-0023	SF		Removal And Reinstallation Of Metal Window And Frame.....	14.89	
08 51 69			Metal Storm Windows (08 51)		
08 51 69 00-0001			Storm Windows (08 51 69)		
08 51 69 00-0002	SF		Double Hung, Aluminum, Combination Storm And Screen..... <i>For Installation In Concrete Or Masonry, Add</i>	25.78 1.32	2.90
08 52			Wood Windows (08 50)		
08 52 11			Wood Windows (08 52)		
08 52 11 00-0001			Sash-Only Replacement Kits For Double Hung Wood Windows (08 52 11) Note: Includes demo of the existing sashes and jamb liners. Includes two sashes, jamb liners, insulated glass and all hardware needed for installation. Includes primed pine wood interior and exterior. Excludes window frame, trim, insect screens and grilles.		
08 52 11 00-0002			30" Height, Sash-Only Replacement Kits For Double Hung Wood Windows (08 52 11 00-0001)		
08 52 11 00-0003	EA		20" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	248.64 18.54 19.87	
08 52 11 00-0004	EA		24" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	263.56 19.88 21.30	
08 52 11 00-0005	EA		28" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	279.45 21.34 22.87	
08 52 11 00-0006	EA		30" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	287.87 22.14 23.73	
08 52 11 00-0007	EA		32" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	295.34 22.81 24.44	
08 52 11 00-0008	EA		34" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	304.72 23.75 25.44	
08 52 11 00-0009	EA		36" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	309.34 24.02 25.73	
08 52 11 00-0010	EA		40" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	328.06 25.88 27.73	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0011	EA		44" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	343.94 27.35 29.30	
08 52 11 00-0012			34" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 11 00-0001)</small>		
08 52 11 00-0013	EA		20" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	263.56 19.88 21.30	
08 52 11 00-0014	EA		24" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	279.45 21.34 22.87	
08 52 11 00-0015	EA		28" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	292.64 22.81 24.44	
08 52 11 00-0016	EA		30" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	304.72 23.75 25.44	
08 52 11 00-0017	EA		32" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	312.17 24.41 26.16	
08 52 11 00-0018	EA		34" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	320.60 25.21 27.01	
08 52 11 00-0019	EA		36" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	328.06 25.88 27.73	
08 52 11 00-0020	EA		40" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	343.94 27.35 29.30	
08 52 11 00-0021	EA		44" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	359.84 28.81 30.87	
08 52 11 00-0022			36" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 11 00-0001)</small>		
08 52 11 00-0023	EA		20" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	270.63 20.68 22.15	
08 52 11 00-0024	EA		24" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	286.52 22.14 23.73	
08 52 11 00-0025	EA		28" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	303.36 23.75 25.44	
08 52 11 00-0026	EA		30" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	310.82 24.41 26.16	
08 52 11 00-0027	EA		32" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	319.25 25.21 27.01	
08 52 11 00-0028	EA		34" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	326.70 25.88 27.73	
08 52 11 00-0029	EA		36" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	335.13 26.68 28.59	
08 52 11 00-0030	EA		40" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	350.06 28.01 30.02	
08 52 11 00-0031	EA		44" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	365.95 29.48 31.59	
08 52 11 00-0032			38" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 11 00-0001)</small>		
08 52 11 00-0033	EA		20" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	280.81 21.34 22.87	
08 52 11 00-0034	EA		24" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	296.69 22.81 24.44	
08 52 11 00-0035	EA		28" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	313.53 24.41 26.16	
08 52 11 00-0036	EA		30" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	321.94 25.21 27.01	
08 52 11 00-0037	EA		32" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	329.41 25.88 27.73	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0038 EA 34" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	337.83	
For Low-E Insulated Glass, Add	26.68	
For Aluminum Clad Exterior, Add	28.59	
08 52 11 00-0039 EA 36" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	345.29	
For Low-E Insulated Glass, Add	27.35	
For Aluminum Clad Exterior, Add	29.30	
08 52 11 00-0040 EA 40" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	361.19	
For Low-E Insulated Glass, Add	28.81	
For Aluminum Clad Exterior, Add	30.87	
08 52 11 00-0041 EA 44" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	377.07	
For Low-E Insulated Glass, Add	30.28	
For Aluminum Clad Exterior, Add	32.45	
08 52 11 00-0042 46" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
<small>(08 52 11 00-0001)</small>		
08 52 11 00-0043 EA 20" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	312.17	
For Low-E Insulated Glass, Add	24.41	
For Aluminum Clad Exterior, Add	26.16	
08 52 11 00-0044 EA 24" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	328.06	
For Low-E Insulated Glass, Add	25.88	
For Aluminum Clad Exterior, Add	27.73	
08 52 11 00-0045 EA 28" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	343.94	
For Low-E Insulated Glass, Add	27.35	
For Aluminum Clad Exterior, Add	29.30	
08 52 11 00-0046 EA 30" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	351.41	
For Low-E Insulated Glass, Add	28.01	
For Aluminum Clad Exterior, Add	30.02	
08 52 11 00-0047 EA 32" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	359.84	
For Low-E Insulated Glass, Add	28.81	
For Aluminum Clad Exterior, Add	30.87	
08 52 11 00-0048 EA 34" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	367.29	
For Low-E Insulated Glass, Add	29.48	
For Aluminum Clad Exterior, Add	31.59	
08 52 11 00-0049 EA 36" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	375.72	
For Low-E Insulated Glass, Add	30.28	
For Aluminum Clad Exterior, Add	32.45	
08 52 11 00-0050 EA 40" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	391.60	
For Low-E Insulated Glass, Add	31.75	
For Aluminum Clad Exterior, Add	34.02	
08 52 11 00-0051 EA 44" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	408.44	
For Low-E Insulated Glass, Add	33.35	
For Aluminum Clad Exterior, Add	35.73	
08 52 11 00-0052 48" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
<small>(08 52 11 00-0001)</small>		
08 52 11 00-0053 EA 20" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	319.25	
For Low-E Insulated Glass, Add	25.21	
For Aluminum Clad Exterior, Add	27.01	
08 52 11 00-0054 EA 24" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	335.13	
For Low-E Insulated Glass, Add	26.68	
For Aluminum Clad Exterior, Add	28.59	
08 52 11 00-0055 EA 28" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	350.06	
For Low-E Insulated Glass, Add	28.01	
For Aluminum Clad Exterior, Add	30.02	
08 52 11 00-0056 EA 30" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	358.48	
For Low-E Insulated Glass, Add	28.81	
For Aluminum Clad Exterior, Add	30.87	
08 52 11 00-0057 EA 32" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	365.95	
For Low-E Insulated Glass, Add	29.48	
For Aluminum Clad Exterior, Add	31.59	
08 52 11 00-0058 EA 34" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	374.37	
For Low-E Insulated Glass, Add	30.28	
For Aluminum Clad Exterior, Add	32.45	
08 52 11 00-0059 EA 36" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	381.83	
For Low-E Insulated Glass, Add	30.95	
For Aluminum Clad Exterior, Add	33.16	
08 52 11 00-0060 EA 40" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	398.68	
For Low-E Insulated Glass, Add	32.55	
For Aluminum Clad Exterior, Add	34.88	
08 52 11 00-0061 EA 44" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	414.56	
For Low-E Insulated Glass, Add	34.02	
For Aluminum Clad Exterior, Add	36.45	
08 52 11 00-0062 50" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
<small>(08 52 11 00-0001)</small>		
08 52 11 00-0063 EA 20" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	329.41	
For Low-E Insulated Glass, Add	25.88	
For Aluminum Clad Exterior, Add	27.73	
08 52 11 00-0064 EA 24" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	345.29	
For Low-E Insulated Glass, Add	27.35	
For Aluminum Clad Exterior, Add	29.30	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0065	EA		28" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	361.19	
			<i>For Low-E Insulated Glass, Add</i>	28.81	
			<i>For Aluminum Clad Exterior, Add</i>	30.87	
08 52 11 00-0066	EA		30" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	368.65	
			<i>For Low-E Insulated Glass, Add</i>	29.48	
			<i>For Aluminum Clad Exterior, Add</i>	31.59	
08 52 11 00-0067	EA		32" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	377.07	
			<i>For Low-E Insulated Glass, Add</i>	30.28	
			<i>For Aluminum Clad Exterior, Add</i>	32.45	
08 52 11 00-0068	EA		34" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	384.53	
			<i>For Low-E Insulated Glass, Add</i>	30.95	
			<i>For Aluminum Clad Exterior, Add</i>	33.16	
08 52 11 00-0069	EA		36" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	392.96	
			<i>For Low-E Insulated Glass, Add</i>	31.75	
			<i>For Aluminum Clad Exterior, Add</i>	34.02	
08 52 11 00-0070	EA		40" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	409.79	
			<i>For Low-E Insulated Glass, Add</i>	33.35	
			<i>For Aluminum Clad Exterior, Add</i>	35.73	
08 52 11 00-0071	EA		44" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	425.68	
			<i>For Low-E Insulated Glass, Add</i>	34.82	
			<i>For Aluminum Clad Exterior, Add</i>	37.30	
08 52 11 00-0072			54" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
			<small>(08 52 11 00-0001)</small>		
08 52 11 00-0073	EA		20" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	345.29	
			<i>For Low-E Insulated Glass, Add</i>	27.35	
			<i>For Aluminum Clad Exterior, Add</i>	29.30	
08 52 11 00-0074	EA		24" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	361.19	
			<i>For Low-E Insulated Glass, Add</i>	28.81	
			<i>For Aluminum Clad Exterior, Add</i>	30.87	
08 52 11 00-0075	EA		28" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	377.07	
			<i>For Low-E Insulated Glass, Add</i>	30.28	
			<i>For Aluminum Clad Exterior, Add</i>	32.45	
08 52 11 00-0076	EA		30" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	384.53	
			<i>For Low-E Insulated Glass, Add</i>	30.95	
			<i>For Aluminum Clad Exterior, Add</i>	33.16	
08 52 11 00-0077	EA		32" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	392.96	
			<i>For Low-E Insulated Glass, Add</i>	31.75	
			<i>For Aluminum Clad Exterior, Add</i>	34.02	
08 52 11 00-0078	EA		34" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	401.37	
			<i>For Low-E Insulated Glass, Add</i>	32.55	
			<i>For Aluminum Clad Exterior, Add</i>	34.88	
08 52 11 00-0079	EA		36" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	409.79	
			<i>For Low-E Insulated Glass, Add</i>	33.35	
			<i>For Aluminum Clad Exterior, Add</i>	35.73	
08 52 11 00-0080	EA		40" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	425.68	
			<i>For Low-E Insulated Glass, Add</i>	34.82	
			<i>For Aluminum Clad Exterior, Add</i>	37.30	
08 52 11 00-0081	EA		44" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	441.57	
			<i>For Low-E Insulated Glass, Add</i>	36.29	
			<i>For Aluminum Clad Exterior, Add</i>	38.88	
08 52 11 00-0082			58" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
			<small>(08 52 11 00-0001)</small>		
08 52 11 00-0083	EA		20" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	359.84	
			<i>For Low-E Insulated Glass, Add</i>	28.81	
			<i>For Aluminum Clad Exterior, Add</i>	30.87	
08 52 11 00-0084	EA		24" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	375.72	
			<i>For Low-E Insulated Glass, Add</i>	30.28	
			<i>For Aluminum Clad Exterior, Add</i>	32.45	
08 52 11 00-0085	EA		28" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	391.60	
			<i>For Low-E Insulated Glass, Add</i>	31.75	
			<i>For Aluminum Clad Exterior, Add</i>	34.02	
08 52 11 00-0086	EA		30" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	400.02	
			<i>For Low-E Insulated Glass, Add</i>	32.55	
			<i>For Aluminum Clad Exterior, Add</i>	34.88	
08 52 11 00-0087	EA		32" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	408.44	
			<i>For Low-E Insulated Glass, Add</i>	33.35	
			<i>For Aluminum Clad Exterior, Add</i>	35.73	
08 52 11 00-0088	EA		34" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	415.91	
			<i>For Low-E Insulated Glass, Add</i>	34.02	
			<i>For Aluminum Clad Exterior, Add</i>	36.45	
08 52 11 00-0089	EA		36" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	424.32	
			<i>For Low-E Insulated Glass, Add</i>	34.82	
			<i>For Aluminum Clad Exterior, Add</i>	37.30	
08 52 11 00-0090	EA		40" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	440.22	
			<i>For Low-E Insulated Glass, Add</i>	36.29	
			<i>For Aluminum Clad Exterior, Add</i>	38.88	
08 52 11 00-0091	EA		44" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	455.14	
			<i>For Low-E Insulated Glass, Add</i>	37.62	
			<i>For Aluminum Clad Exterior, Add</i>	40.31	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0092 60" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 11 00-0001)</small>		
08 52 11 00-0093 EA 20" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	365.95	
For Low-E Insulated Glass, Add	29.48	
For Aluminum Clad Exterior, Add	31.59	
08 52 11 00-0094 EA 24" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	381.83	
For Low-E Insulated Glass, Add	30.95	
For Aluminum Clad Exterior, Add	33.16	
08 52 11 00-0095 EA 28" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	398.68	
For Low-E Insulated Glass, Add	32.55	
For Aluminum Clad Exterior, Add	34.88	
08 52 11 00-0096 EA 30" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	407.08	
For Low-E Insulated Glass, Add	33.35	
For Aluminum Clad Exterior, Add	35.73	
08 52 11 00-0097 EA 32" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	414.56	
For Low-E Insulated Glass, Add	34.02	
For Aluminum Clad Exterior, Add	36.45	
08 52 11 00-0098 EA 34" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	422.97	
For Low-E Insulated Glass, Add	34.82	
For Aluminum Clad Exterior, Add	37.30	
08 52 11 00-0099 EA 36" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	430.45	
For Low-E Insulated Glass, Add	35.48	
For Aluminum Clad Exterior, Add	38.02	
08 52 11 00-0100 EA 40" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	446.33	
For Low-E Insulated Glass, Add	36.95	
For Aluminum Clad Exterior, Add	39.59	
08 52 11 00-0101 EA 44" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	462.21	
For Low-E Insulated Glass, Add	38.42	
For Aluminum Clad Exterior, Add	41.16	
08 52 11 00-0102 62" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 11 00-0001)</small>		
08 52 11 00-0103 EA 20" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	377.07	
For Low-E Insulated Glass, Add	30.28	
For Aluminum Clad Exterior, Add	32.45	
08 52 11 00-0104 EA 24" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	392.96	
For Low-E Insulated Glass, Add	31.75	
For Aluminum Clad Exterior, Add	34.02	
08 52 11 00-0105 EA 28" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	409.79	
For Low-E Insulated Glass, Add	33.35	
For Aluminum Clad Exterior, Add	35.73	
08 52 11 00-0106 EA 30" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	417.26	
For Low-E Insulated Glass, Add	34.02	
For Aluminum Clad Exterior, Add	36.45	
08 52 11 00-0107 EA 32" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	425.68	
For Low-E Insulated Glass, Add	34.82	
For Aluminum Clad Exterior, Add	37.30	
08 52 11 00-0108 EA 34" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	433.14	
For Low-E Insulated Glass, Add	35.48	
For Aluminum Clad Exterior, Add	38.02	
08 52 11 00-0109 EA 36" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	441.57	
For Low-E Insulated Glass, Add	36.29	
For Aluminum Clad Exterior, Add	38.88	
08 52 11 00-0110 EA 40" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	456.49	
For Low-E Insulated Glass, Add	37.62	
For Aluminum Clad Exterior, Add	40.31	
08 52 11 00-0111 EA 44" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	472.39	
For Low-E Insulated Glass, Add	39.09	
For Aluminum Clad Exterior, Add	41.88	
08 52 11 00-0112 66" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 11 00-0001)</small>		
08 52 11 00-0113 EA 20" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	392.96	
For Low-E Insulated Glass, Add	31.75	
For Aluminum Clad Exterior, Add	34.02	
08 52 11 00-0114 EA 24" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	409.79	
For Low-E Insulated Glass, Add	33.35	
For Aluminum Clad Exterior, Add	35.73	
08 52 11 00-0115 EA 28" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	425.68	
For Low-E Insulated Glass, Add	34.82	
For Aluminum Clad Exterior, Add	37.30	
08 52 11 00-0116 EA 30" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	433.14	
For Low-E Insulated Glass, Add	35.48	
For Aluminum Clad Exterior, Add	38.02	
08 52 11 00-0117 EA 32" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	441.57	
For Low-E Insulated Glass, Add	36.29	
For Aluminum Clad Exterior, Add	38.88	
08 52 11 00-0118 EA 34" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	449.03	
For Low-E Insulated Glass, Add	36.95	
For Aluminum Clad Exterior, Add	39.59	
08 52 11 00-0119 EA 36" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	456.49	
For Low-E Insulated Glass, Add	37.62	
For Aluminum Clad Exterior, Add	40.31	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0120	EA		40" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	472.39 39.09 41.88	
08 52 11 00-0121	EA		44" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	488.27 40.55 43.45	
08 52 11 00-0122 70" Height, Sash-Only Replacement Kits For Double Hung Wood Windows					
08 52 11 00-0123	EA		20" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	408.44 33.35 35.73	
08 52 11 00-0124	EA		24" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	424.32 34.82 37.30	
08 52 11 00-0125	EA		28" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	440.22 36.29 38.88	
08 52 11 00-0126	EA		30" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	447.67 36.95 39.59	
08 52 11 00-0127	EA		32" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	455.14 37.62 40.31	
08 52 11 00-0128	EA		34" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	466.39 38.82 41.59	
08 52 11 00-0129	EA		36" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	472.02 39.23 42.03	
08 52 11 00-0130	EA		40" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	486.92 40.55 43.45	
08 52 11 00-0131	EA		44" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	503.75 42.15 45.17	
08 52 11 00-0132 74" Height, Sash-Only Replacement Kits For Double Hung Wood Windows					
08 52 11 00-0133	EA		20" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	425.68 34.82 37.30	
08 52 11 00-0134	EA		24" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	441.57 36.29 38.88	
08 52 11 00-0135	EA		28" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	456.49 37.62 40.31	
08 52 11 00-0136	EA		30" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	464.91 38.42 41.16	
08 52 11 00-0137	EA		32" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	472.39 39.09 41.88	
08 52 11 00-0138	EA		34" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	480.80 39.89 42.74	
08 52 11 00-0139	EA		36" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	488.27 40.55 43.45	
08 52 11 00-0140	EA		40" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	505.11 42.15 45.17	
08 52 11 00-0141	EA		44" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	520.99 43.62 46.74	
08 52 11 00-0142 78" Height, Sash-Only Replacement Kits For Double Hung Wood Windows					
08 52 11 00-0143	EA		20" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	446.97 36.29 38.88	
08 52 11 00-0144	EA		24" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	461.90 37.62 40.31	
08 52 11 00-0145	EA		28" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	477.79 39.09 41.88	
08 52 11 00-0146	EA		30" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	486.20 39.89 42.74	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0147 EA 32" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	493.68 40.55 43.45	
08 52 11 00-0148 EA 34" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	502.08 41.35 44.31	
08 52 11 00-0149 EA 36" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	510.51 42.15 45.17	
08 52 11 00-0150 EA 40" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	526.39 43.62 46.74	
08 52 11 00-0151 EA 44" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	542.27 45.09 48.31	
08 52 11 00-0152 Commercial And Institutional Heavy Double Hung Windows <small>(08 52 11)</small> Note: With true divided lites. Performance grade DP 40 in NWWDA I.S. 2-93. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting.		
08 52 11 00-0153 SF Up To 21 SF Double Hung Wood Window With True Divided Lite <i>For Insulating Glass, Add</i>	77.52 4.54	12.07
08 52 11 00-0154 SF 21 To 40 SF Double Hung Wood Window With True Divided Lite <i>For Insulating Glass, Add</i>	74.62 4.06	13.41
08 52 11 00-0155 SF 40 SF And Over Double Hung Wood Window With True Divided Lite <i>For Insulating Glass, Add</i>	72.23 3.58	15.05
08 52 11 00-0156 Architectural And Historic Reproduction Wood Windows <small>(08 52 11)</small> Note: Fixed casement, awning, and double hung. With true divided lites. Casement performance grade DP 40; awning performance grade DP 25; double hung performance grade DP 30. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting.		
08 52 11 00-0157 SF Up To 21 SF Architectural And Historic Reproduction Wood Window <i>For Insulating Glass, Add</i>	83.14 5.02	12.06
08 52 11 00-0158 SF 21 To 40 SF Architectural And Historic Reproduction Wood Window <i>For Insulating Glass, Add</i>	77.66 4.32	13.41
08 52 11 00-0159 SF 40 SF And Over Architectural And Historic Reproduction Wood Window <i>For Insulating Glass, Add</i>	74.01 3.73	15.05
08 52 11 00-0160 Removal And Reinstallation Of Wood Window And Frame <small>(08 52 11)</small> Note: Includes storage, cleaning and supply materials.		
08 52 11 00-0161 SF Removal And Reinstallation Of Wood Windows And Frames.....	29.72	
08 52 16 Plastic-Clad Wood Windows <small>(08 52)</small>		
08 52 16 00-0001 Double Hung Wood Clad Windows <small>(08 52 16)</small>		
08 52 16 00-0002 Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0001)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0003 35-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0002)</small>		
08 52 16 00-0004 EA 23-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	309.65 26.50 44.17	44.39
08 52 16 00-0005 EA 27-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	327.84 28.22 47.04	46.32
08 52 16 00-0006 EA 31-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	344.83 29.80 49.67	48.25
08 52 16 00-0007 EA 35-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	361.82 31.38 52.29	50.18
08 52 16 00-0008 41-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0002)</small>		
08 52 16 00-0009 EA 23-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	335.74 28.94 48.23	47.28
08 52 16 00-0010 EA 27-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	353.92 30.66 51.10	49.21
08 52 16 00-0011 EA 31-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	370.92 32.24 53.73	51.14

08 Openings**08 50 Windows**

08 52 Wood Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0012	EA		35-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	387.92 33.81 56.35	53.07
08 52 16 00-0013			47-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)		
08 52 16 00-0014	EA		23-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	361.82 31.38 52.29	50.18
08 52 16 00-0015	EA		27-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	378.82 32.95 54.92	52.11
08 52 16 00-0016	EA		31-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	397.00 34.67 57.78	54.04
08 52 16 00-0017	EA		35-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	414.00 36.25 60.41	55.97
08 52 16 00-0018			53-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)		
08 52 16 00-0019	EA		23-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	387.92 33.81 56.35	53.07
08 52 16 00-0020	EA		27-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	404.90 35.39 58.98	55.00
08 52 16 00-0021	EA		31-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	421.90 36.96 61.61	56.93
08 52 16 00-0022	EA		35-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	440.08 38.68 64.47	58.86
08 52 16 00-0023			56-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)		
08 52 16 00-0024	EA		19-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	383.37 33.38 55.64	53.07
08 52 16 00-0025	EA		23-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	400.35 34.96 58.26	54.52
08 52 16 00-0026	EA		27-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	418.54 36.68 61.13	56.93
08 52 16 00-0027	EA		31-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	435.53 38.25 63.75	58.86
08 52 16 00-0028	EA		35-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	452.53 39.83 66.38	60.80
08 52 16 00-0029	EA		39-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	469.53 41.40 69.01	62.73
08 52 16 00-0030			59-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)		
08 52 16 00-0031	EA		19-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	397.00 34.67 57.78	54.04
08 52 16 00-0032	EA		23-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	414.00 36.25 60.41	55.97
08 52 16 00-0033	EA		27-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	430.99 37.82 63.04	57.90
08 52 16 00-0034	EA		31-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	447.98 39.40 65.66	59.83
08 52 16 00-0035	EA		35-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	464.98 40.98 68.29	61.76
08 52 16 00-0036	EA		39-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	483.16 42.69 71.16	63.69



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0037 65-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0002)</small>		
08 52 16 00-0038 EA 23-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	440.08	58.86
For Low-E Insulated Glass, Add	38.68	
For Tempered Clear Insulated Glass, Add	64.47	
08 52 16 00-0039 EA 27-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	457.08	60.80
For Low-E Insulated Glass, Add	40.26	
For Tempered Clear Insulated Glass, Add	67.10	
08 52 16 00-0040 EA 31-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	474.07	62.73
For Low-E Insulated Glass, Add	41.83	
For Tempered Clear Insulated Glass, Add	69.72	
08 52 16 00-0041 EA 35-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	491.06	64.66
For Low-E Insulated Glass, Add	43.41	
For Tempered Clear Insulated Glass, Add	72.35	
08 52 16 00-0042 71-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0002)</small>		
08 52 16 00-0043 EA 23-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	464.98	61.76
For Low-E Insulated Glass, Add	40.98	
For Tempered Clear Insulated Glass, Add	68.29	
08 52 16 00-0044 EA 27-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	483.16	63.69
For Low-E Insulated Glass, Add	42.69	
For Tempered Clear Insulated Glass, Add	71.16	
08 52 16 00-0045 EA 31-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	500.16	65.62
For Low-E Insulated Glass, Add	44.27	
For Tempered Clear Insulated Glass, Add	73.78	
08 52 16 00-0046 EA 35-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	517.16	67.55
For Low-E Insulated Glass, Add	45.85	
For Tempered Clear Insulated Glass, Add	76.41	
08 52 16 00-0047 Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0001)</small>		
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0048 36-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0049 EA 21-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	380.32	44.39
For Tempered Low-E Insulated Glass, Add	58.50	
08 52 16 00-0050 EA 25-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	403.29	45.83
For Tempered Low-E Insulated Glass, Add	62.32	
08 52 16 00-0051 EA 29-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	427.44	47.76
For Tempered Low-E Insulated Glass, Add	66.38	
08 52 16 00-0052 EA 31-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	440.12	49.21
For Tempered Low-E Insulated Glass, Add	68.53	
08 52 16 00-0053 EA 33-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	451.60	50.18
For Tempered Low-E Insulated Glass, Add	70.44	
08 52 16 00-0054 EA 35-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	463.08	51.14
For Tempered Low-E Insulated Glass, Add	72.35	
08 52 16 00-0055 EA 37-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	475.76	51.62
For Tempered Low-E Insulated Glass, Add	74.50	
08 52 16 00-0056 EA 41-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	498.71	53.56
For Tempered Low-E Insulated Glass, Add	78.32	
08 52 16 00-0057 EA 45-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	522.87	55.49
For Tempered Low-E Insulated Glass, Add	82.38	
08 52 16 00-0058 40-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0059 EA 21-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	403.29	46.32
For Tempered Low-E Insulated Glass, Add	62.32	
08 52 16 00-0060 EA 25-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	427.44	47.76
For Tempered Low-E Insulated Glass, Add	66.38	
08 52 16 00-0061 EA 29-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	451.60	49.69
For Tempered Low-E Insulated Glass, Add	70.44	
08 52 16 00-0062 EA 31-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	463.08	51.14
For Tempered Low-E Insulated Glass, Add	72.35	
08 52 16 00-0063 EA 33-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	475.76	52.11
For Tempered Low-E Insulated Glass, Add	74.50	
08 52 16 00-0064 EA 35-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	487.24	53.07
For Tempered Low-E Insulated Glass, Add	76.41	
08 52 16 00-0065 EA 37-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	498.71	53.56
For Tempered Low-E Insulated Glass, Add	78.32	
08 52 16 00-0066 EA 41-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	522.87	55.49
For Tempered Low-E Insulated Glass, Add	82.38	
08 52 16 00-0067 EA 45-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	547.02	57.42
For Tempered Low-E Insulated Glass, Add	86.44	
08 52 16 00-0068 44-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0069 EA 21-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	427.44	48.25
For Tempered Low-E Insulated Glass, Add	66.38	
08 52 16 00-0070 EA 25-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	451.60	49.69
For Tempered Low-E Insulated Glass, Add	70.44	
08 52 16 00-0071 EA 29-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	475.76	51.62
For Tempered Low-E Insulated Glass, Add	74.50	
08 52 16 00-0072 EA 31-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	487.24	53.07
For Tempered Low-E Insulated Glass, Add	76.41	
08 52 16 00-0073 EA 33-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	498.71	54.04
For Tempered Low-E Insulated Glass, Add	78.32	
08 52 16 00-0074 EA 35-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	511.38	55.00
For Tempered Low-E Insulated Glass, Add	80.47	
08 52 16 00-0075 EA 37-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	522.87	55.49
For Tempered Low-E Insulated Glass, Add	82.38	
08 52 16 00-0076 EA 41-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	547.02	57.42
For Tempered Low-E Insulated Glass, Add	86.44	
08 52 16 00-0077 EA 45-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	571.18	59.35
For Tempered Low-E Insulated Glass, Add	90.50	
08 52 16 00-0078 48-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)		
08 52 16 00-0079 EA 21-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	451.60	50.18
For Tempered Low-E Insulated Glass, Add	70.44	
08 52 16 00-0080 EA 25-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	475.76	51.62
For Tempered Low-E Insulated Glass, Add	74.50	
08 52 16 00-0081 EA 29-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	498.71	53.56
For Tempered Low-E Insulated Glass, Add	78.32	
08 52 16 00-0082 EA 31-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	511.38	55.00
For Tempered Low-E Insulated Glass, Add	80.47	
08 52 16 00-0083 EA 33-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	522.87	55.97
For Tempered Low-E Insulated Glass, Add	82.38	
08 52 16 00-0084 EA 35-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	534.35	56.93
For Tempered Low-E Insulated Glass, Add	84.29	
08 52 16 00-0085 EA 37-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	547.02	57.42
For Tempered Low-E Insulated Glass, Add	86.44	
08 52 16 00-0086 EA 41-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	571.18	59.35
For Tempered Low-E Insulated Glass, Add	90.50	
08 52 16 00-0087 EA 45-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	594.15	61.28
For Tempered Low-E Insulated Glass, Add	94.32	
08 52 16 00-0088 52-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)		
08 52 16 00-0089 EA 21-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	475.76	52.11
For Tempered Low-E Insulated Glass, Add	74.50	
08 52 16 00-0090 EA 25-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	498.71	53.56
For Tempered Low-E Insulated Glass, Add	78.32	
08 52 16 00-0091 EA 29-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	522.87	55.49
For Tempered Low-E Insulated Glass, Add	82.38	
08 52 16 00-0092 EA 31-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	534.35	56.93
For Tempered Low-E Insulated Glass, Add	84.29	
08 52 16 00-0093 EA 33-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	547.02	57.90
For Tempered Low-E Insulated Glass, Add	86.44	
08 52 16 00-0094 EA 35-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	558.50	58.86
For Tempered Low-E Insulated Glass, Add	88.35	
08 52 16 00-0095 EA 37-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	571.18	59.35
For Tempered Low-E Insulated Glass, Add	90.50	
08 52 16 00-0096 EA 41-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	594.15	61.28
For Tempered Low-E Insulated Glass, Add	94.32	
08 52 16 00-0097 EA 45-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	618.31	63.21
For Tempered Low-E Insulated Glass, Add	98.38	
08 52 16 00-0098 56-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)		
08 52 16 00-0099 EA 21-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	498.71	54.04
For Tempered Low-E Insulated Glass, Add	78.32	
08 52 16 00-0100 EA 25-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	522.87	55.49
For Tempered Low-E Insulated Glass, Add	82.38	
08 52 16 00-0101 EA 29-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	547.02	57.42
For Tempered Low-E Insulated Glass, Add	86.44	
08 52 16 00-0102 EA 31-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	558.50	58.86
For Tempered Low-E Insulated Glass, Add	88.35	
08 52 16 00-0103 EA 33-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	571.18	59.83
For Tempered Low-E Insulated Glass, Add	90.50	
08 52 16 00-0104 EA 35-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	582.67	60.80
For Tempered Low-E Insulated Glass, Add	92.41	
08 52 16 00-0105 EA 37-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	594.15	61.28
For Tempered Low-E Insulated Glass, Add	94.32	
08 52 16 00-0106 EA 41-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	618.31	63.21
For Tempered Low-E Insulated Glass, Add	98.38	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0107	EA		45-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	642.46 102.44	65.14
08 52 16 00-0108			60-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0109	EA		21-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	522.87 82.38	55.97
08 52 16 00-0110	EA		25-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	547.02 86.44	57.42
08 52 16 00-0111	EA		29-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	571.18 90.50	59.35
08 52 16 00-0112	EA		31-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	582.67 92.41	60.80
08 52 16 00-0113	EA		33-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	594.15 94.32	61.76
08 52 16 00-0114	EA		35-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	606.83 96.47	62.73
08 52 16 00-0115	EA		37-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	618.31 98.38	63.21
08 52 16 00-0116	EA		41-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	642.46 102.44	65.14
08 52 16 00-0117	EA		45-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	665.43 106.26	67.07
08 52 16 00-0118			64-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0119	EA		21-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	547.02 86.44	57.90
08 52 16 00-0120	EA		25-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	571.18 90.50	59.35
08 52 16 00-0121	EA		29-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	594.15 94.32	61.28
08 52 16 00-0122	EA		31-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	606.83 96.47	62.73
08 52 16 00-0123	EA		33-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	618.31 98.38	63.69
08 52 16 00-0124	EA		35-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	629.79 100.29	64.66
08 52 16 00-0125	EA		37-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	642.46 102.44	65.14
08 52 16 00-0126	EA		41-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	665.43 106.26	67.07
08 52 16 00-0127	EA		45-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	689.57 110.32	69.00
08 52 16 00-0128			68-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0129	EA		21-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	571.18 90.50	59.83
08 52 16 00-0130	EA		25-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	594.15 94.32	61.28
08 52 16 00-0131	EA		29-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	618.31 98.38	63.21
08 52 16 00-0132	EA		31-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	629.79 100.29	64.66
08 52 16 00-0133	EA		33-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	642.46 102.44	65.62
08 52 16 00-0134	EA		35-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	653.94 104.35	66.59
08 52 16 00-0135	EA		37-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	665.43 106.26	67.07
08 52 16 00-0136	EA		41-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	689.57 110.32	69.00
08 52 16 00-0137	EA		45-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	713.73 114.38	70.93
08 52 16 00-0138			72-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0139	EA		21-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	594.15 94.32	61.76
08 52 16 00-0140	EA		25-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	618.31 98.38	63.21
08 52 16 00-0141	EA		29-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	642.46 102.44	65.14
08 52 16 00-0142	EA		31-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	653.94 104.35	66.59
08 52 16 00-0143	EA		33-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	665.43 106.26	67.55

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
08 52 16 00-0144	EA	35-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	678.10		68.52
		<i>For Tempered Low-E Insulated Glass, Add</i>	<i>108.41</i>		
08 52 16 00-0145	EA	37-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	689.57		69.00
		<i>For Tempered Low-E Insulated Glass, Add</i>	<i>110.32</i>		
08 52 16 00-0146	EA	41-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	713.73		70.93
		<i>For Tempered Low-E Insulated Glass, Add</i>	<i>114.38</i>		
08 52 16 00-0147	EA	45-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	737.88		72.86
		<i>For Tempered Low-E Insulated Glass, Add</i>	<i>118.43</i>		
08 52 16 00-0148		76-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>			
08 52 16 00-0149	EA	21-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	618.31		63.69
		<i>For Tempered Low-E Insulated Glass, Add</i>	<i>98.38</i>		
08 52 16 00-0150	EA	25-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	642.46		65.14
		<i>For Tempered Low-E Insulated Glass, Add</i>	<i>102.44</i>		
08 52 16 00-0151	EA	29-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	665.43		67.07
		<i>For Tempered Low-E Insulated Glass, Add</i>	<i>106.26</i>		
08 52 16 00-0152	EA	31-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	678.10		68.52
		<i>For Tempered Low-E Insulated Glass, Add</i>	<i>108.41</i>		
08 52 16 00-0153	EA	33-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	689.57		69.48
		<i>For Tempered Low-E Insulated Glass, Add</i>	<i>110.32</i>		
08 52 16 00-0154	EA	35-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	702.25		70.45
		<i>For Tempered Low-E Insulated Glass, Add</i>	<i>112.47</i>		
08 52 16 00-0155	EA	37-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	713.73		70.93
		<i>For Tempered Low-E Insulated Glass, Add</i>	<i>114.38</i>		
08 52 16 00-0156	EA	41-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	737.88		72.86
		<i>For Tempered Low-E Insulated Glass, Add</i>	<i>118.43</i>		
08 52 16 00-0157	EA	45-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	760.86		74.79
		<i>For Tempered Low-E Insulated Glass, Add</i>	<i>122.26</i>		
08 52 16 00-0158		84-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>			
08 52 16 00-0159	EA	21-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	949.57		67.55
		<i>For Tempered Low-E Insulated Glass, Add</i>	<i>163.09</i>		
08 52 16 00-0160	EA	25-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	983.27		69.00
		<i>For Tempered Low-E Insulated Glass, Add</i>	<i>169.06</i>		
08 52 16 00-0161	EA	29-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,016.98		70.93
		<i>For Tempered Low-E Insulated Glass, Add</i>	<i>175.03</i>		
08 52 16 00-0162	EA	31-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,033.24		72.38
		<i>For Tempered Low-E Insulated Glass, Add</i>	<i>177.89</i>		
08 52 16 00-0163	EA	33-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,050.69		73.34
		<i>For Tempered Low-E Insulated Glass, Add</i>	<i>181.00</i>		
08 52 16 00-0164	EA	35-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,066.94		74.31
		<i>For Tempered Low-E Insulated Glass, Add</i>	<i>183.86</i>		
08 52 16 00-0165	EA	37-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,083.21		74.79
		<i>For Tempered Low-E Insulated Glass, Add</i>	<i>186.73</i>		
08 52 16 00-0166	EA	41-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,116.92		76.71
		<i>For Tempered Low-E Insulated Glass, Add</i>	<i>192.70</i>		
08 52 16 00-0167	EA	45-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,150.62		78.64
		<i>For Tempered Low-E Insulated Glass, Add</i>	<i>198.66</i>		
08 52 16 00-0168		88-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>			
08 52 16 00-0169	EA	21-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	983.27		69.48
		<i>For Tempered Low-E Insulated Glass, Add</i>	<i>169.06</i>		
08 52 16 00-0170	EA	25-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,016.98		70.93
		<i>For Tempered Low-E Insulated Glass, Add</i>	<i>175.03</i>		
08 52 16 00-0171	EA	29-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,050.69		72.86
		<i>For Tempered Low-E Insulated Glass, Add</i>	<i>181.00</i>		
08 52 16 00-0172	EA	31-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,066.94		74.31
		<i>For Tempered Low-E Insulated Glass, Add</i>	<i>183.86</i>		
08 52 16 00-0173	EA	33-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,083.21		75.28
		<i>For Tempered Low-E Insulated Glass, Add</i>	<i>186.73</i>		
08 52 16 00-0174	EA	35-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,100.66		76.24
		<i>For Tempered Low-E Insulated Glass, Add</i>	<i>189.83</i>		
08 52 16 00-0175	EA	37-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,116.92		76.71
		<i>For Tempered Low-E Insulated Glass, Add</i>	<i>192.70</i>		
08 52 16 00-0176	EA	41-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,150.62		78.64
		<i>For Tempered Low-E Insulated Glass, Add</i>	<i>198.66</i>		
08 52 16 00-0177	EA	45-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,184.33		80.57
		<i>For Tempered Low-E Insulated Glass, Add</i>	<i>204.63</i>		
08 52 16 00-0178		Casement Wood Clad Windows <small>(08 52 16)</small>			
08 52 16 00-0179		Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0178)</small>			
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.			



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0180 One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0179)</small>		
08 52 16 00-0181 24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0180)</small>		
08 52 16 00-0182 EA 17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	242.91	36.67
<i>For Tempered Clear Insulated Glass, Add</i>	<i>34.11</i>	
08 52 16 00-0183 EA 20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	256.39	37.64
<i>For Tempered Clear Insulated Glass, Add</i>	<i>36.22</i>	
08 52 16 00-0184 EA 24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	271.70	39.57
<i>For Tempered Clear Insulated Glass, Add</i>	<i>38.51</i>	
08 52 16 00-0185 EA 28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	285.95	41.50
<i>For Tempered Clear Insulated Glass, Add</i>	<i>40.59</i>	
08 52 16 00-0186 28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0180)</small>		
08 52 16 00-0187 EA 17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	260.00	38.60
<i>For Tempered Clear Insulated Glass, Add</i>	<i>36.75</i>	
08 52 16 00-0188 EA 20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	273.47	39.57
<i>For Tempered Clear Insulated Glass, Add</i>	<i>38.87</i>	
08 52 16 00-0189 EA 24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	288.79	41.50
<i>For Tempered Clear Insulated Glass, Add</i>	<i>41.16</i>	
08 52 16 00-0190 EA 28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	297.18	43.43
<i>For Tempered Clear Insulated Glass, Add</i>	<i>42.07</i>	
08 52 16 00-0191 EA 31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	314.29	45.36
<i>For Tempered Clear Insulated Glass, Add</i>	<i>44.91</i>	
08 52 16 00-0192 35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0180)</small>		
08 52 16 00-0193 EA 17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	290.55	41.50
<i>For Tempered Clear Insulated Glass, Add</i>	<i>41.51</i>	
08 52 16 00-0194 EA 20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	304.90	43.43
<i>For Tempered Clear Insulated Glass, Add</i>	<i>43.80</i>	
08 52 16 00-0195 EA 24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	320.23	44.88
<i>For Tempered Clear Insulated Glass, Add</i>	<i>46.10</i>	
08 52 16 00-0196 EA 28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	343.49	46.80
<i>For Tempered Clear Insulated Glass, Add</i>	<i>49.98</i>	
08 52 16 00-0197 EA 31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	365.31	48.25
<i>For Tempered Clear Insulated Glass, Add</i>	<i>53.76</i>	
08 52 16 00-0198 EA 35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	386.22	49.21
<i>For Tempered Clear Insulated Glass, Add</i>	<i>57.56</i>	
08 52 16 00-0199 40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0180)</small>		
08 52 16 00-0200 EA 17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	311.24	44.39
<i>For Tempered Clear Insulated Glass, Add</i>	<i>44.69</i>	
08 52 16 00-0201 EA 20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	324.72	45.36
<i>For Tempered Clear Insulated Glass, Add</i>	<i>46.80</i>	
08 52 16 00-0202 EA 24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	340.04	47.28
<i>For Tempered Clear Insulated Glass, Add</i>	<i>49.09</i>	
08 52 16 00-0203 EA 28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	373.00	49.21
<i>For Tempered Clear Insulated Glass, Add</i>	<i>54.91</i>	
08 52 16 00-0204 EA 31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	395.81	51.14
<i>For Tempered Clear Insulated Glass, Add</i>	<i>58.90</i>	
08 52 16 00-0205 EA 35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	417.67	53.07
<i>For Tempered Clear Insulated Glass, Add</i>	<i>62.50</i>	
08 52 16 00-0206 48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0180)</small>		
08 52 16 00-0207 EA 17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	341.01	48.25
<i>For Tempered Clear Insulated Glass, Add</i>	<i>49.09</i>	
08 52 16 00-0208 EA 20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	355.36	49.21
<i>For Tempered Clear Insulated Glass, Add</i>	<i>51.39</i>	
08 52 16 00-0209 EA 24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	370.68	51.14
<i>For Tempered Clear Insulated Glass, Add</i>	<i>53.68</i>	
08 52 16 00-0210 EA 28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	415.55	53.07
<i>For Tempered Clear Insulated Glass, Add</i>	<i>61.88</i>	
08 52 16 00-0211 EA 31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	433.65	55.00
<i>For Tempered Clear Insulated Glass, Add</i>	<i>64.92</i>	
08 52 16 00-0212 EA 35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	460.64	56.93
<i>For Tempered Clear Insulated Glass, Add</i>	<i>69.55</i>	
08 52 16 00-0213 52-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0180)</small>		

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0214 EA 17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	360.74	50.18
For Tempered Clear Insulated Glass, Add	52.27	
08 52 16 00-0215 EA 20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	374.21	51.14
For Tempered Clear Insulated Glass, Add	54.38	
08 52 16 00-0216 EA 24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	389.54	53.07
For Tempered Clear Insulated Glass, Add	56.68	
08 52 16 00-0217 EA 28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	444.53	55.00
For Tempered Clear Insulated Glass, Add	66.90	
08 52 16 00-0218 EA 31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	470.99	56.93
For Tempered Clear Insulated Glass, Add	71.62	
08 52 16 00-0219 EA 35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	489.19	58.86
For Tempered Clear Insulated Glass, Add	74.49	
08 52 16 00-0220 59-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)		
08 52 16 00-0221 EA 17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	389.54	53.07
For Tempered Clear Insulated Glass, Add	56.68	
08 52 16 00-0222 EA 20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	403.88	55.00
For Tempered Clear Insulated Glass, Add	58.97	
08 52 16 00-0223 EA 24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	419.21	56.45
For Tempered Clear Insulated Glass, Add	61.26	
08 52 16 00-0224 EA 28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	486.54	58.38
For Tempered Clear Insulated Glass, Add	73.96	
08 52 16 00-0225 EA 31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	505.65	59.83
For Tempered Clear Insulated Glass, Add	77.20	
08 52 16 00-0226 EA 35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	531.22	61.76
For Tempered Clear Insulated Glass, Add	81.54	
08 52 16 00-0227 64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)		
08 52 16 00-0228 EA 17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	410.22	55.97
For Tempered Clear Insulated Glass, Add	59.85	
08 52 16 00-0229 EA 20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	423.70	56.93
For Tempered Clear Insulated Glass, Add	61.97	
08 52 16 00-0230 EA 24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	439.02	58.86
For Tempered Clear Insulated Glass, Add	64.26	
08 52 16 00-0231 EA 28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	516.06	60.80
For Tempered Clear Insulated Glass, Add	78.89	
08 52 16 00-0232 EA 31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	533.92	62.73
For Tempered Clear Insulated Glass, Add	81.89	
08 52 16 00-0233 EA 35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	560.73	64.66
For Tempered Clear Insulated Glass, Add	86.48	
08 52 16 00-0234 71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)		
08 52 16 00-0235 EA 17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	439.02	58.86
For Tempered Clear Insulated Glass, Add	64.26	
08 52 16 00-0236 EA 20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	453.39	60.80
For Tempered Clear Insulated Glass, Add	66.55	
08 52 16 00-0237 EA 24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	468.71	62.24
For Tempered Clear Insulated Glass, Add	68.84	
08 52 16 00-0238 EA 28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	558.09	64.17
For Tempered Clear Insulated Glass, Add	85.95	
08 52 16 00-0239 EA 31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	579.73	65.62
For Tempered Clear Insulated Glass, Add	89.70	
08 52 16 00-0240 EA 35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	602.76	67.55
For Tempered Clear Insulated Glass, Add	93.53	
08 52 16 00-0241 Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0179)		
08 52 16 00-0242 24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0243 EA 40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	421.10	47.28
For Tempered Clear Insulated Glass, Add	65.31	
08 52 16 00-0244 EA 48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	476.57	51.14
For Tempered Clear Insulated Glass, Add	74.86	
08 52 16 00-0245 EA 56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	540.33	55.00
For Tempered Clear Insulated Glass, Add	86.06	
08 52 16 00-0246 28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0247 EA 40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	452.94	49.21
For Tempered Clear Insulated Glass, Add	70.90	
08 52 16 00-0248 EA 48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	508.41	53.07
For Tempered Clear Insulated Glass, Add	80.45	



		Openings	08
		Windows	08 50
		Wood Windows	08 52

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0249	EA		56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	572.17 91.66	56.93
08 52 16 00-0250 35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0241)</small>					
08 52 16 00-0251	EA		33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	449.19 70.15	49.21
08 52 16 00-0252	EA		40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	505.32 80.03	53.07
08 52 16 00-0253	EA		48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	564.17 90.25	56.93
08 52 16 00-0254	EA		56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	631.85 102.24	60.31
08 52 16 00-0255	EA		62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	677.43 110.20	63.21
08 52 16 00-0256	EA		71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	753.01 123.58	67.55
08 52 16 00-0257 40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0241)</small>					
08 52 16 00-0258	EA		33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	488.41 77.03	51.62
08 52 16 00-0259	EA		40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	544.53 86.90	55.00
08 52 16 00-0260	EA		48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	603.38 97.13	58.86
08 52 16 00-0261	EA		56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	671.06 109.12	62.73
08 52 16 00-0262	EA		62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	721.31 118.01	65.62
08 52 16 00-0263	EA		71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	927.10 157.44	69.97
08 52 16 00-0264 48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0241)</small>					
08 52 16 00-0265	EA		33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	546.37 87.08	55.49
08 52 16 00-0266	EA		40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	603.38 97.13	58.86
08 52 16 00-0267	EA		48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	662.24 107.36	62.73
08 52 16 00-0268	EA		56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	729.91 119.35	66.59
08 52 16 00-0269	EA		62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	778.13 127.83	69.48
08 52 16 00-0270	EA		71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	851.06 140.68	73.83
08 52 16 00-0271 52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0241)</small>					
08 52 16 00-0272	EA		33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	584.61 93.96	57.42
08 52 16 00-0273	EA		40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	640.75 103.83	60.80
08 52 16 00-0274	EA		48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	693.06 112.75	64.66
08 52 16 00-0275	EA		56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	767.28 126.05	68.52
08 52 16 00-0276	EA		62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	817.71 134.98	71.41
08 52 16 00-0277	EA		71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	889.32 147.56	75.76
08 52 16 00-0278 59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0241)</small>					
08 52 16 00-0279	EA		33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	641.63 104.01	60.80
08 52 16 00-0280	EA		40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	697.76 113.88	64.66
08 52 16 00-0281	EA		48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	756.62 124.11	68.52
08 52 16 00-0282	EA		56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	824.28 136.10	71.90
08 52 16 00-0283	EA		62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	874.72 145.03	74.79

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0284 EA 71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	945.44 157.44	79.13
08 52 16 00-0285 64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0286 EA 33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	680.84 110.88	63.21
08 52 16 00-0287 EA 40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	736.97 120.76	66.59
08 52 16 00-0288 EA 48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	796.70 131.16	70.45
08 52 16 00-0289 EA 56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	864.37 143.15	74.31
08 52 16 00-0290 71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0291 EA 33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	737.85 120.94	66.59
08 52 16 00-0292 EA 40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	793.97 130.81	70.45
08 52 16 00-0293 EA 48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	852.83 141.04	74.31
08 52 16 00-0294 EA 56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	920.51 153.03	77.68
08 52 16 00-0295 One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0179)		
08 52 16 00-0296 24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		
08 52 16 00-0297 EA 71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	657.83 106.67	62.24
08 52 16 00-0298 EA 84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	762.16 125.02	68.52
08 52 16 00-0299 28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		
08 52 16 00-0300 EA 71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	696.61 113.65	64.17
08 52 16 00-0301 EA 84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	794.39 130.70	70.45
08 52 16 00-0302 35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		
08 52 16 00-0303 EA 61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	671.23 109.16	62.73
08 52 16 00-0304 EA 71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	754.77 123.93	67.55
08 52 16 00-0305 EA 84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	858.12 142.10	74.31
08 52 16 00-0306 40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		
08 52 16 00-0307 EA 61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	708.65 115.67	65.62
08 52 16 00-0308 EA 71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	794.85 130.99	69.97
08 52 16 00-0309 EA 84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	897.33 148.97	76.24
08 52 16 00-0310 48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		



	Openings	08
	Windows	08 50
	Wood Windows	08 52

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0311	EA		71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	852.83	73.83
			<i>For Tempered Clear Insulated Glass, Add</i>	141.04	
08 52 16 00-0312	EA		84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	955.30	80.09
			<i>For Tempered Clear Insulated Glass, Add</i>	159.02	
08 52 16 00-0313			52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0295)</small>		
08 52 16 00-0314	EA		71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	891.08	75.76
			<i>For Tempered Clear Insulated Glass, Add</i>	147.91	
08 52 16 00-0315	EA		84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	993.55	82.02
			<i>For Tempered Clear Insulated Glass, Add</i>	165.90	
08 52 16 00-0316			59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0295)</small>		
08 52 16 00-0317	EA		71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	947.20	79.13
			<i>For Tempered Clear Insulated Glass, Add</i>	157.79	
08 52 16 00-0318	EA		84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,050.55	85.88
			<i>For Tempered Clear Insulated Glass, Add</i>	175.95	
08 52 16 00-0319			Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0178)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0320			One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0319)</small>		
08 52 16 00-0321			24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0320)</small>		
08 52 16 00-0322	EA		17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	283.91	36.67
			<i>For Tempered Low-E Insulated Glass, Add</i>	42.31	
08 52 16 00-0323	EA		20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	300.03	37.64
			<i>For Tempered Low-E Insulated Glass, Add</i>	44.95	
08 52 16 00-0324	EA		24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	318.21	39.57
			<i>For Tempered Low-E Insulated Glass, Add</i>	47.82	
08 52 16 00-0325	EA		28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	335.06	41.50
			<i>For Tempered Low-E Insulated Glass, Add</i>	50.41	
08 52 16 00-0326			28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0320)</small>		
08 52 16 00-0327	EA		17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	304.30	38.60
			<i>For Tempered Low-E Insulated Glass, Add</i>	45.61	
08 52 16 00-0328	EA		20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	320.41	39.57
			<i>For Tempered Low-E Insulated Glass, Add</i>	48.26	
08 52 16 00-0329	EA		24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	338.60	41.50
			<i>For Tempered Low-E Insulated Glass, Add</i>	51.12	
08 52 16 00-0330	EA		28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	348.12	43.43
			<i>For Tempered Low-E Insulated Glass, Add</i>	52.25	
08 52 16 00-0331	EA		31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	368.78	45.36
			<i>For Tempered Low-E Insulated Glass, Add</i>	55.81	
08 52 16 00-0332			35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0320)</small>		
08 52 16 00-0333	EA		17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	340.80	41.50
			<i>For Tempered Low-E Insulated Glass, Add</i>	51.56	
08 52 16 00-0334	EA		20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	358.02	43.43
			<i>For Tempered Low-E Insulated Glass, Add</i>	54.43	
08 52 16 00-0335	EA		24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	376.22	44.88
			<i>For Tempered Low-E Insulated Glass, Add</i>	57.29	
08 52 16 00-0336	EA		28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	404.32	46.80
			<i>For Tempered Low-E Insulated Glass, Add</i>	62.14	
08 52 16 00-0337	EA		31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	430.87	48.25
			<i>For Tempered Low-E Insulated Glass, Add</i>	66.87	
08 52 16 00-0338	EA		35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	456.53	49.21
			<i>For Tempered Low-E Insulated Glass, Add</i>	71.62	
08 52 16 00-0339			40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0320)</small>		
08 52 16 00-0340	EA		17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	365.46	44.39
			<i>For Tempered Low-E Insulated Glass, Add</i>	55.53	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0341	EA		20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	381.59	45.36
			<i>For Tempered Low-E Insulated Glass, Add</i>	58.18	
08 52 16 00-0342	EA		24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	399.77	47.28
			<i>For Tempered Low-E Insulated Glass, Add</i>	61.04	
08 52 16 00-0343	EA		28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	440.00	49.21
			<i>For Tempered Low-E Insulated Glass, Add</i>	68.31	
08 52 16 00-0344	EA		31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	467.79	51.14
			<i>For Tempered Low-E Insulated Glass, Add</i>	73.29	
08 52 16 00-0345	EA		35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	494.15	53.07
			<i>For Tempered Low-E Insulated Glass, Add</i>	77.79	
08 52 16 00-0346 48" Height, One Operating Sash, Casement Wood Clad Windows					
(Andersen 400 Series) (08 52 16 00-0320)					
08 52 16 00-0347	EA		17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	400.74	48.25
			<i>For Tempered Low-E Insulated Glass, Add</i>	61.04	
08 52 16 00-0348	EA		20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	417.96	49.21
			<i>For Tempered Low-E Insulated Glass, Add</i>	63.91	
08 52 16 00-0349	EA		24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	436.15	51.14
			<i>For Tempered Low-E Insulated Glass, Add</i>	66.77	
08 52 16 00-0350	EA		28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	491.26	53.07
			<i>For Tempered Low-E Insulated Glass, Add</i>	77.02	
08 52 16 00-0351	EA		31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	513.16	55.00
			<i>For Tempered Low-E Insulated Glass, Add</i>	80.82	
08 52 16 00-0352	EA		35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	545.94	56.93
			<i>For Tempered Low-E Insulated Glass, Add</i>	86.61	
08 52 16 00-0353 52-13/16" Height, One Operating Sash, Casement Wood Clad Windows					
(Andersen 400 Series) (08 52 16 00-0320)					
08 52 16 00-0354	EA		17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	424.44	50.18
			<i>For Tempered Low-E Insulated Glass, Add</i>	65.01	
08 52 16 00-0355	EA		20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	440.56	51.14
			<i>For Tempered Low-E Insulated Glass, Add</i>	67.65	
08 52 16 00-0356	EA		24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	458.75	53.07
			<i>For Tempered Low-E Insulated Glass, Add</i>	70.52	
08 52 16 00-0357	EA		28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	526.52	55.00
			<i>For Tempered Low-E Insulated Glass, Add</i>	83.30	
08 52 16 00-0358	EA		31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	558.88	56.93
			<i>For Tempered Low-E Insulated Glass, Add</i>	89.20	
08 52 16 00-0359	EA		35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	580.66	58.86
			<i>For Tempered Low-E Insulated Glass, Add</i>	92.78	
08 52 16 00-0360 59-7/8" Height, One Operating Sash, Casement Wood Clad Windows					
(Andersen 400 Series) (08 52 16 00-0320)					
08 52 16 00-0361	EA		17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	458.75	53.07
			<i>For Tempered Low-E Insulated Glass, Add</i>	70.52	
08 52 16 00-0362	EA		20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	475.96	55.00
			<i>For Tempered Low-E Insulated Glass, Add</i>	73.38	
08 52 16 00-0363	EA		24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	494.15	56.45
			<i>For Tempered Low-E Insulated Glass, Add</i>	76.25	
08 52 16 00-0364	EA		28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	577.36	58.38
			<i>For Tempered Low-E Insulated Glass, Add</i>	92.12	
08 52 16 00-0365	EA		31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	600.51	59.83
			<i>For Tempered Low-E Insulated Glass, Add</i>	96.17	
08 52 16 00-0366	EA		35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	631.50	61.76
			<i>For Tempered Low-E Insulated Glass, Add</i>	101.60	
08 52 16 00-0367 64-13/16" Height, One Operating Sash, Casement Wood Clad Windows					
(Andersen 400 Series) (08 52 16 00-0320)					
08 52 16 00-0368	EA		17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	483.40	55.97
			<i>For Tempered Low-E Insulated Glass, Add</i>	74.49	
08 52 16 00-0369	EA		20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	499.52	56.93
			<i>For Tempered Low-E Insulated Glass, Add</i>	77.13	
08 52 16 00-0370	EA		24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	517.71	58.86
			<i>For Tempered Low-E Insulated Glass, Add</i>	80.00	
08 52 16 00-0371	EA		28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	613.04	60.80
			<i>For Tempered Low-E Insulated Glass, Add</i>	98.29	
08 52 16 00-0372	EA		31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	634.64	62.73
			<i>For Tempered Low-E Insulated Glass, Add</i>	102.03	
08 52 16 00-0373	EA		35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	667.19	64.66
			<i>For Tempered Low-E Insulated Glass, Add</i>	107.77	
08 52 16 00-0374 71-7/8" Height, One Operating Sash, Casement Wood Clad Windows					
(Andersen 400 Series) (08 52 16 00-0320)					
08 52 16 00-0375	EA		17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	517.71	58.86
			<i>For Tempered Low-E Insulated Glass, Add</i>	80.00	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0376	EA		20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	534.94 82.86	60.80
08 52 16 00-0377	EA		24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	553.13 85.73	62.24
08 52 16 00-0378	EA		28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	663.89 107.11	64.17
08 52 16 00-0379	EA		31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	690.21 111.79	65.62
08 52 16 00-0380	EA		35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	718.03 116.58	67.55
08 52 16 00-0381			Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0319)		
08 52 16 00-0382			24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)		
08 52 16 00-0383	EA		40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	499.46 80.98	47.28
08 52 16 00-0384	EA		48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	566.86 92.91	51.14
08 52 16 00-0385	EA		56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	644.64 106.93	55.00
08 52 16 00-0386			28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)		
08 52 16 00-0387	EA		40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	538.30 87.97	49.21
08 52 16 00-0388	EA		48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	605.71 99.91	53.07
08 52 16 00-0389	EA		56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	683.47 113.92	56.93
08 52 16 00-0390			35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)		
08 52 16 00-0391	EA		33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	533.61 87.04	49.21
08 52 16 00-0392	EA		40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	602.08 99.38	53.07
08 52 16 00-0393	EA		48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	673.71 112.16	56.93
08 52 16 00-0394	EA		56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	756.39 127.15	60.31
08 52 16 00-0395	EA		62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	811.91 137.10	63.21
08 52 16 00-0396	EA		71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	904.21 153.82	67.55
08 52 16 00-0397			40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)		
08 52 16 00-0398	EA		33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	581.42 95.63	51.62
08 52 16 00-0399	EA		40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	649.89 107.98	55.00
08 52 16 00-0400	EA		48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	721.53 120.76	58.86
08 52 16 00-0401	EA		56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	804.19 135.75	62.73
08 52 16 00-0402	EA		62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	865.55 146.86	65.62
08 52 16 00-0403	EA		71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,120.62 196.14	69.97
08 52 16 00-0404			48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)		
08 52 16 00-0405	EA		33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	651.95 108.20	55.49
08 52 16 00-0406	EA		40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	721.53 120.76	58.86
08 52 16 00-0407	EA		48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	793.16 133.54	62.73
08 52 16 00-0408	EA		56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	875.83 148.53	66.59
08 52 16 00-0409	EA		62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	934.65 159.14	69.48
08 52 16 00-0410	EA		71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,023.65 175.20	73.83

08 Openings

08 50 Windows

08 52 Wood Windows

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0411			52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0381)</small>		
08 52 16 00-0412	EA		33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	698.79	57.42
			<i>For Tempered Low-E Insulated Glass, Add</i>	116.79	
08 52 16 00-0413	EA		40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	767.26	60.80
			<i>For Tempered Low-E Insulated Glass, Add</i>	129.13	
08 52 16 00-0414	EA		48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	832.36	64.66
			<i>For Tempered Low-E Insulated Glass, Add</i>	140.61	
08 52 16 00-0415	EA		56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	921.57	68.52
			<i>For Tempered Low-E Insulated Glass, Add</i>	156.91	
08 52 16 00-0416	EA		62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	983.15	71.41
			<i>For Tempered Low-E Insulated Glass, Add</i>	168.07	
08 52 16 00-0417	EA		71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,070.50	75.76
			<i>For Tempered Low-E Insulated Glass, Add</i>	183.80	
08 52 16 00-0418			59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0381)</small>		
08 52 16 00-0419	EA		33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	768.37	60.80
			<i>For Tempered Low-E Insulated Glass, Add</i>	129.36	
08 52 16 00-0420	EA		40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	836.84	64.66
			<i>For Tempered Low-E Insulated Glass, Add</i>	141.70	
08 52 16 00-0421	EA		48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	908.48	68.52
			<i>For Tempered Low-E Insulated Glass, Add</i>	154.48	
08 52 16 00-0422	EA		56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	991.13	71.90
			<i>For Tempered Low-E Insulated Glass, Add</i>	169.47	
08 52 16 00-0423	EA		62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,052.73	74.79
			<i>For Tempered Low-E Insulated Glass, Add</i>	180.63	
08 52 16 00-0424	EA		71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,138.96	79.13
			<i>For Tempered Low-E Insulated Glass, Add</i>	196.14	
08 52 16 00-0425			64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0381)</small>		
08 52 16 00-0426	EA		33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	816.18	63.21
			<i>For Tempered Low-E Insulated Glass, Add</i>	137.95	
08 52 16 00-0427	EA		40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	884.64	66.59
			<i>For Tempered Low-E Insulated Glass, Add</i>	150.29	
08 52 16 00-0428	EA		48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	957.38	70.45
			<i>For Tempered Low-E Insulated Glass, Add</i>	163.30	
08 52 16 00-0429	EA		56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,040.04	74.31
			<i>For Tempered Low-E Insulated Glass, Add</i>	178.29	
08 52 16 00-0430			71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0381)</small>		
08 52 16 00-0431	EA		33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	885.74	66.59
			<i>For Tempered Low-E Insulated Glass, Add</i>	150.51	
08 52 16 00-0432	EA		40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	954.21	70.45
			<i>For Tempered Low-E Insulated Glass, Add</i>	162.86	
08 52 16 00-0433	EA		48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,025.85	74.31
			<i>For Tempered Low-E Insulated Glass, Add</i>	175.64	
08 52 16 00-0434	EA		56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,108.52	77.68
			<i>For Tempered Low-E Insulated Glass, Add</i>	190.63	
08 52 16 00-0435			One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0319)</small>		
08 52 16 00-0436			24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0435)</small>		
08 52 16 00-0437	EA		71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	789.53	62.24
			<i>For Tempered Low-E Insulated Glass, Add</i>	133.01	
08 52 16 00-0438	EA		84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	915.17	68.52
			<i>For Tempered Low-E Insulated Glass, Add</i>	155.63	
08 52 16 00-0439			28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0435)</small>		
08 52 16 00-0440	EA		71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	835.40	64.17
			<i>For Tempered Low-E Insulated Glass, Add</i>	141.41	
08 52 16 00-0441	EA		84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	954.50	70.45
			<i>For Tempered Low-E Insulated Glass, Add</i>	162.72	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0442 35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0435)</small>		
08 52 16 00-0443 EA 61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	804.41	62.73
For Tempered Low-E Insulated Glass, Add	135.79	
08 52 16 00-0444 EA 71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	906.42	67.55
For Tempered Low-E Insulated Glass, Add	154.26	
08 52 16 00-0445 EA 84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,032.46	74.31
For Tempered Low-E Insulated Glass, Add	176.96	
08 52 16 00-0446 40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0435)</small>		
08 52 16 00-0447 EA 61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	849.97	65.62
For Tempered Low-E Insulated Glass, Add	143.94	
08 52 16 00-0448 EA 71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	955.31	69.97
For Tempered Low-E Insulated Glass, Add	163.08	
08 52 16 00-0449 EA 84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,080.27	76.24
For Tempered Low-E Insulated Glass, Add	165.56	
08 52 16 00-0450 48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0435)</small>		
08 52 16 00-0451 EA 71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,025.85	73.83
For Tempered Low-E Insulated Glass, Add	175.64	
08 52 16 00-0452 EA 84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,150.81	80.09
For Tempered Low-E Insulated Glass, Add	198.12	
08 52 16 00-0453 52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0435)</small>		
08 52 16 00-0454 EA 71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,072.70	75.76
For Tempered Low-E Insulated Glass, Add	184.24	
08 52 16 00-0455 EA 84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,197.65	82.02
For Tempered Low-E Insulated Glass, Add	206.72	
08 52 16 00-0456 59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0435)</small>		
08 52 16 00-0457 EA 71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,141.17	79.13
For Tempered Low-E Insulated Glass, Add	196.58	
08 52 16 00-0458 EA 84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,267.22	85.88
For Tempered Low-E Insulated Glass, Add	219.28	
08 52 16 00-0459 Awning Wood Clad Windows <small>(08 52 16)</small>		
08 52 16 00-0460 Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0459)</small>		
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0461 Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0460)</small>		
08 52 16 00-0462 17" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0463 EA 24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	263.29	39.57
For Tempered Clear Insulated Glass, Add	36.83	
08 52 16 00-0464 EA 28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	281.26	41.50
For Tempered Clear Insulated Glass, Add	39.65	
08 52 16 00-0465 EA 31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	295.87	42.95
For Tempered Clear Insulated Glass, Add	42.00	
08 52 16 00-0466 EA 35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	314.47	44.88
For Tempered Clear Insulated Glass, Add	44.94	
08 52 16 00-0467 EA 40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	336.04	47.28
For Tempered Clear Insulated Glass, Add	48.29	
08 52 16 00-0468 EA 48" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	369.33	51.14
For Tempered Clear Insulated Glass, Add	53.41	
08 52 16 00-0469 EA 52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	389.95	53.07
For Tempered Clear Insulated Glass, Add	56.76	
08 52 16 00-0470 EA 59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	420.50	56.93
For Tempered Clear Insulated Glass, Add	61.52	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0471	EA		64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	432.87 63.03	58.86
08 52 16 00-0472	EA		71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	463.13 67.73	62.24
08 52 16 00-0473 20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0461)					
08 52 16 00-0474	EA		24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	277.20 39.04	41.50
08 52 16 00-0475	EA		28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	296.49 42.12	43.43
08 52 16 00-0476	EA		31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	309.24 44.09	44.39
08 52 16 00-0477	EA		35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	329.70 47.41	46.32
08 52 16 00-0478	EA		40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	351.29 50.76	49.21
08 52 16 00-0479	EA		48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	383.69 55.70	52.59
08 52 16 00-0480	EA		52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	404.29 59.05	55.00
08 52 16 00-0481	EA		59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	435.74 63.99	57.90
08 52 16 00-0482	EA		64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	447.09 65.29	60.80
08 52 16 00-0483	EA		71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	478.21 70.17	63.69
08 52 16 00-0484	EA		84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	714.66 114.95	70.45
08 52 16 00-0485 24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0461)					
08 52 16 00-0486	EA		24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	294.73 41.77	43.43
08 52 16 00-0487	EA		28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	312.71 44.59	45.36
08 52 16 00-0488	EA		31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	325.06 46.48	46.32
08 52 16 00-0489	EA		35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	345.91 49.88	48.25
08 52 16 00-0490	EA		40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	367.49 53.23	51.14
08 52 16 00-0491	EA		48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	400.77 58.35	54.52
08 52 16 00-0492	EA		52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	421.38 61.70	56.93
08 52 16 00-0493	EA		59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	452.82 66.63	59.83
08 52 16 00-0494	EA		64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	463.13 67.73	62.73
08 52 16 00-0495	EA		71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	493.35 72.42	65.62
08 52 16 00-0496	EA		84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	750.67 121.38	72.38
08 52 16 00-0497 28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0461)					
08 52 16 00-0498	EA		24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	295.96 41.24	45.36
08 52 16 00-0499	EA		28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	322.74 45.83	47.28
08 52 16 00-0500	EA		31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	340.14 48.73	48.25
08 52 16 00-0501	EA		35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	371.81 54.29	50.18
08 52 16 00-0502	EA		40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	403.97 59.76	53.07
08 52 16 00-0503	EA		48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	451.35 67.69	56.45
08 52 16 00-0504	EA		52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	481.66 72.98	58.86
08 52 16 00-0505	EA		59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	528.10 80.92	61.76
08 52 16 00-0506	EA		64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	546.21 83.57	64.66
08 52 16 00-0507	EA		71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	591.27 91.23	67.55
08 52 16 00-0508	EA		84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	771.05 124.68	74.31



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0509			31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0510	EA		28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	340.14 48.73	48.25
08 52 16 00-0511	EA		31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	358.74 51.87	49.69
08 52 16 00-0512	EA		35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	384.28 56.20	51.62
08 52 16 00-0513	EA		40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	413.03 60.99	54.04
08 52 16 00-0514	EA		48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	455.15 67.87	57.90
08 52 16 00-0515	EA		52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	483.68 72.80	59.83
08 52 16 00-0516	EA		59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	524.84 79.68	63.69
08 52 16 00-0517	EA		64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	553.59 84.47	65.62
08 52 16 00-0518	EA		71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	595.48 91.50	69.00
08 52 16 00-0519	EA		84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	819.41 133.77	75.28
08 52 16 00-0520			35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0521	EA		31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	384.28 56.20	51.62
08 52 16 00-0522	EA		35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	420.00 62.58	53.56
08 52 16 00-0523	EA		40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	452.16 68.04	55.97
08 52 16 00-0524	EA		48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	499.55 75.98	59.83
08 52 16 00-0525	EA		52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	530.74 81.44	61.76
08 52 16 00-0526	EA		59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	576.30 89.20	65.62
08 52 16 00-0527	EA		64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	512.06 75.39	67.55
08 52 16 00-0528	EA		71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	548.39 81.31	70.93
08 52 16 00-0529			40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0530	EA		35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	446.87 66.99	55.97
08 52 16 00-0531	EA		40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	499.30 76.51	58.86
08 52 16 00-0532			48" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0533	EA		35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	526.00 81.27	59.83
08 52 16 00-0534	EA		40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	579.32 90.97	62.73
08 52 16 00-0535	EA		48" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	657.57 105.07	66.10
08 52 16 00-0536			59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0537	EA		35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	643.99 102.74	65.14
08 52 16 00-0538	EA		40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	690.93 111.16	67.55
08 52 16 00-0539			71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0540	EA		24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	699.69 113.69	65.62
08 52 16 00-0541	EA		35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	726.37 116.90	70.93
08 52 16 00-0542	EA		40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	799.71 130.61	73.34

08 Openings

08 50 Windows

08 52 Wood Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0543	EA		48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	875.76 144.27	77.20
08 52 16 00-0544			Stationary, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0460)</small>		
08 52 16 00-0545			17" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0544)</small>		
08 52 16 00-0546	EA		24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	235.96 31.37	39.57
08 52 16 00-0547	EA		28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	253.05 34.01	41.50
08 52 16 00-0548	EA		31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	264.46 35.72	42.95
08 52 16 00-0549	EA		35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	282.73 38.60	44.88
08 52 16 00-0550	EA		40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	302.54 41.59	47.28
08 52 16 00-0551	EA		48" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	333.18 46.18	51.14
08 52 16 00-0552	EA		31-1/2" x 16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	351.16 49.00	53.07
08 52 16 00-0553	EA		59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	379.94 53.41	56.93
08 52 16 00-0554	EA		64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	399.76 56.41	58.86
08 52 16 00-0555	EA		71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	428.56 60.81	62.24
08 52 16 00-0556			20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0544)</small>		
08 52 16 00-0557	EA		24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	249.43 33.48	41.50
08 52 16 00-0558	EA		28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	266.52 36.13	43.43
08 52 16 00-0559	EA		31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	277.09 37.66	44.39
08 52 16 00-0560	EA		35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	297.08 40.89	46.32
08 52 16 00-0561	EA		40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	316.90 43.89	49.21
08 52 16 00-0562	EA		48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	346.66 48.29	52.59
08 52 16 00-0563	EA		52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	365.50 51.29	55.00
08 52 16 00-0564	EA		59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	393.42 55.52	57.90
08 52 16 00-0565	EA		64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	414.12 58.70	60.80
08 52 16 00-0566	EA		71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	442.03 62.93	63.69
08 52 16 00-0567			24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0544)</small>		
08 52 16 00-0568	EA		24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	264.76 35.78	43.43
08 52 16 00-0569	EA		28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	281.85 38.42	45.36
08 52 16 00-0570	EA		31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	291.41 39.75	46.32
08 52 16 00-0571	EA		35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	311.52 43.00	48.25
08 52 16 00-0572	EA		40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	331.34 46.00	51.14
08 52 16 00-0573	EA		48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	361.09 50.41	54.52
08 52 16 00-0574	EA		52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	379.94 53.41	56.93
08 52 16 00-0575	EA		59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	408.74 57.82	59.83
08 52 16 00-0576	EA		64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	428.56 60.81	62.73
08 52 16 00-0577	EA		71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	457.35 65.22	65.62
08 52 16 00-0578			28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0544)</small>		
08 52 16 00-0579	EA		24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	267.74 35.60	45.36



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0580	EA		28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	290.12 39.30	47.28
08 52 16 00-0581	EA		31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	302.75 41.25	48.25
08 52 16 00-0582	EA		35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	315.38 43.00	50.18
08 52 16 00-0583	EA		40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	356.36 50.23	53.07
08 52 16 00-0584	EA		48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	394.93 56.41	56.45
08 52 16 00-0585	EA		52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	419.95 60.64	58.86
08 52 16 00-0586	EA		59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	457.57 66.81	61.76
08 52 16 00-0587	EA		64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	484.44 71.22	64.66
08 52 16 00-0588	EA		71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	522.05 77.39	67.55
08 52 16 00-0589			31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0544)</small>		
08 52 16 00-0590	EA		28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	302.75 41.25	48.25
08 52 16 00-0591	EA		31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	318.36 43.79	49.69
08 52 16 00-0592	EA		35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	339.42 47.23	51.62
08 52 16 00-0593	EA		40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	363.68 51.12	54.04
08 52 16 00-0594	EA		48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	399.07 56.65	57.90
08 52 16 00-0595	EA		52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	422.37 60.54	59.83
08 52 16 00-0596	EA		59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	456.79 66.07	63.69
08 52 16 00-0597	EA		64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	480.31 69.81	65.62
08 52 16 00-0598	EA		71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	514.72 75.35	69.00
08 52 16 00-0599			35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0544)</small>		
08 52 16 00-0600	EA		31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	339.42 47.23	51.62
08 52 16 00-0601	EA		35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	369.74 52.53	53.56
08 52 16 00-0602	EA		40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	395.73 56.76	55.97
08 52 16 00-0603	EA		48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	435.19 63.11	59.83
08 52 16 00-0604	EA		52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	460.21 67.34	61.76
08 52 16 00-0605	EA		59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	497.83 73.51	65.62
08 52 16 00-0606	EA		64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	523.82 77.74	67.55
08 52 16 00-0607	EA		71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	561.42 83.91	70.93
08 52 16 00-0608			Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0459)</small>		
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.					
08 52 16 00-0609			Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0608)</small>		
08 52 16 00-0610			17" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0611	EA		24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	306.94 45.56	39.57
08 52 16 00-0612	EA		28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	328.43 49.09	41.50
08 52 16 00-0613	EA		31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	345.97 52.02	42.95
08 52 16 00-0614	EA		35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	368.25 55.70	44.88
08 52 16 00-0615	EA		40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	394.01 59.89	47.28
08 52 16 00-0616	EA		48" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	433.69 66.28	51.14
08 52 16 00-0617	EA		52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	458.50 70.47	53.07

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0618	EA		59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	495.00	56.93
			<i>For Tempered Low-E Insulated Glass, Add</i>	76.42	
08 52 16 00-0619	EA		64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	509.26	58.86
			<i>For Tempered Low-E Insulated Glass, Add</i>	78.31	
08 52 16 00-0620	EA		71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	545.40	62.24
			<i>For Tempered Low-E Insulated Glass, Add</i>	84.18	
08 52 16 00-0621			20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0622	EA		24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	323.60	41.50
			<i>For Tempered Low-E Insulated Glass, Add</i>	48.32	
08 52 16 00-0623	EA		28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	346.75	43.43
			<i>For Tempered Low-E Insulated Glass, Add</i>	52.17	
08 52 16 00-0624	EA		31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	361.95	44.39
			<i>For Tempered Low-E Insulated Glass, Add</i>	54.63	
08 52 16 00-0625	EA		35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	386.57	46.32
			<i>For Tempered Low-E Insulated Glass, Add</i>	58.79	
08 52 16 00-0626	EA		40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	412.34	49.21
			<i>For Tempered Low-E Insulated Glass, Add</i>	62.97	
08 52 16 00-0627	EA		48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	450.92	52.59
			<i>For Tempered Low-E Insulated Glass, Add</i>	69.15	
08 52 16 00-0628	EA		52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	475.71	55.00
			<i>For Tempered Low-E Insulated Glass, Add</i>	73.33	
08 52 16 00-0629	EA		59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	513.32	57.90
			<i>For Tempered Low-E Insulated Glass, Add</i>	79.50	
08 52 16 00-0630	EA		64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	526.30	60.80
			<i>For Tempered Low-E Insulated Glass, Add</i>	81.13	
08 52 16 00-0631	EA		71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	563.52	63.69
			<i>For Tempered Low-E Insulated Glass, Add</i>	87.23	
08 52 16 00-0632	EA		84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	855.94	70.45
			<i>For Tempered Low-E Insulated Glass, Add</i>	143.20	
08 52 16 00-0633			24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0634	EA		24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	344.54	43.43
			<i>For Tempered Low-E Insulated Glass, Add</i>	51.73	
08 52 16 00-0635	EA		28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	366.05	45.36
			<i>For Tempered Low-E Insulated Glass, Add</i>	55.26	
08 52 16 00-0636	EA		31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	380.77	46.32
			<i>For Tempered Low-E Insulated Glass, Add</i>	57.63	
08 52 16 00-0637	EA		35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	405.86	48.25
			<i>For Tempered Low-E Insulated Glass, Add</i>	61.87	
08 52 16 00-0638	EA		40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	431.63	51.14
			<i>For Tempered Low-E Insulated Glass, Add</i>	66.06	
08 52 16 00-0639	EA		48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	471.30	54.52
			<i>For Tempered Low-E Insulated Glass, Add</i>	72.45	
08 52 16 00-0640	EA		52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	496.10	56.93
			<i>For Tempered Low-E Insulated Glass, Add</i>	76.64	
08 52 16 00-0641	EA		59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	533.72	59.83
			<i>For Tempered Low-E Insulated Glass, Add</i>	82.81	
08 52 16 00-0642	EA		64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	545.40	62.73
			<i>For Tempered Low-E Insulated Glass, Add</i>	84.18	
08 52 16 00-0643	EA		71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	581.48	65.62
			<i>For Tempered Low-E Insulated Glass, Add</i>	90.05	
08 52 16 00-0644	EA		84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	899.99	72.38
			<i>For Tempered Low-E Insulated Glass, Add</i>	151.24	
08 52 16 00-0645			28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0646	EA		24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	345.11	45.36
			<i>For Tempered Low-E Insulated Glass, Add</i>	51.07	
08 52 16 00-0647	EA		28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	377.62	47.28
			<i>For Tempered Low-E Insulated Glass, Add</i>	56.80	
08 52 16 00-0648	EA		31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	398.65	48.25
			<i>For Tempered Low-E Insulated Glass, Add</i>	60.43	
08 52 16 00-0649	EA		35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	437.27	50.18
			<i>For Tempered Low-E Insulated Glass, Add</i>	67.38	
08 52 16 00-0650	EA		40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	476.27	53.07
			<i>For Tempered Low-E Insulated Glass, Add</i>	74.22	
08 52 16 00-0651	EA		48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	533.57	56.45
			<i>For Tempered Low-E Insulated Glass, Add</i>	84.13	
08 52 16 00-0652	EA		52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	570.49	58.86
			<i>For Tempered Low-E Insulated Glass, Add</i>	90.75	
08 52 16 00-0653	EA		59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	626.84	61.76
			<i>For Tempered Low-E Insulated Glass, Add</i>	100.66	
08 52 16 00-0654	EA		64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	648.27	64.66
			<i>For Tempered Low-E Insulated Glass, Add</i>	103.98	
08 52 16 00-0655	EA		71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	798.89	67.55
			<i>For Tempered Low-E Insulated Glass, Add</i>	132.76	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0656	EA		84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	924.50 155.37	74.31
08 52 16 00-0657			31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0658	EA		28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	398.65 60.43	48.25
08 52 16 00-0659	EA		31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	421.18 64.36	49.69
08 52 16 00-0660	EA		35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	452.14 69.78	51.62
08 52 16 00-0661	EA		40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	486.87 75.76	54.04
08 52 16 00-0662	EA		48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	537.58 84.36	57.90
08 52 16 00-0663	EA		52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	572.29 90.53	59.83
08 52 16 00-0664	EA		59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	622.04 99.12	63.69
08 52 16 00-0665	EA		64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	656.77 105.11	65.62
08 52 16 00-0666	EA		71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	707.45 113.89	69.00
08 52 16 00-0667	EA		84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	984.23 166.74	75.28
08 52 16 00-0668			35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0669	EA		31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	452.14 69.78	51.62
08 52 16 00-0670	EA		35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	495.82 77.74	53.56
08 52 16 00-0671	EA		40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	534.81 84.57	55.97
08 52 16 00-0672	EA		48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	592.13 94.49	59.83
08 52 16 00-0673	EA		52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	630.15 101.33	61.76
08 52 16 00-0674	EA		59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	685.40 111.02	65.62
08 52 16 00-0675	EA		64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	603.89 93.76	67.55
08 52 16 00-0676	EA		71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	647.63 101.16	70.93
08 52 16 00-0677			40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0678	EA		35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	523.37 83.25	55.97
08 52 16 00-0679	EA		40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	595.43 95.15	59.83
08 52 16 00-0680			48" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0681	EA		35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	625.19 101.11	59.83
08 52 16 00-0682	EA		40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	690.63 113.23	62.73
08 52 16 00-0683	EA		48" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	786.52 130.86	66.10
08 52 16 00-0684			59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0685	EA		35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	770.02 127.95	65.14
08 52 16 00-0686	EA		40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	827.49 138.48	67.55
08 52 16 00-0687			71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0688	EA		24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	839.41 141.63	65.62
08 52 16 00-0689	EA		35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	870.11 145.65	70.93

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0690	EA		40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	960.56	73.34
			<i>For Tempered Low-E Insulated Glass, Add</i>	162.78	
08 52 16 00-0691	EA		48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,053.70	77.20
			<i>For Tempered Low-E Insulated Glass, Add</i>	179.86	
08 52 16 00-0692			Stationary, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0608)		
08 52 16 00-0693			17" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)		
08 52 16 00-0694	EA		24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	272.77	39.57
			<i>For Tempered Low-E Insulated Glass, Add</i>	38.73	
08 52 16 00-0695	EA		28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	293.16	41.50
			<i>For Tempered Low-E Insulated Glass, Add</i>	42.03	
08 52 16 00-0696	EA		31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	306.71	42.95
			<i>For Tempered Low-E Insulated Glass, Add</i>	44.17	
08 52 16 00-0697	EA		35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	328.58	44.88
			<i>For Tempered Low-E Insulated Glass, Add</i>	47.77	
08 52 16 00-0698	EA		40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	352.13	47.28
			<i>For Tempered Low-E Insulated Glass, Add</i>	51.51	
08 52 16 00-0699	EA		48" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	388.51	51.14
			<i>For Tempered Low-E Insulated Glass, Add</i>	57.24	
08 52 16 00-0700	EA		52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	410.01	53.07
			<i>For Tempered Low-E Insulated Glass, Add</i>	60.77	
08 52 16 00-0701	EA		59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	444.30	56.93
			<i>For Tempered Low-E Insulated Glass, Add</i>	66.28	
08 52 16 00-0702	EA		64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series).....	467.87	58.86
			<i>For Tempered Low-E Insulated Glass, Add</i>	70.03	
08 52 16 00-0703	EA		71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	502.18	62.24
			<i>For Tempered Low-E Insulated Glass, Add</i>	75.54	
08 52 16 00-0704			20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0692)		
08 52 16 00-0705	EA		24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	288.89	41.50
			<i>For Tempered Low-E Insulated Glass, Add</i>	41.37	
08 52 16 00-0706	EA		28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	309.28	43.43
			<i>For Tempered Low-E Insulated Glass, Add</i>	44.68	
08 52 16 00-0707	EA		31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	321.76	44.39
			<i>For Tempered Low-E Insulated Glass, Add</i>	46.60	
08 52 16 00-0708	EA		35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	345.79	46.32
			<i>For Tempered Low-E Insulated Glass, Add</i>	50.63	
08 52 16 00-0709	EA		40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	369.36	49.21
			<i>For Tempered Low-E Insulated Glass, Add</i>	54.38	
08 52 16 00-0710	EA		48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	404.63	52.59
			<i>For Tempered Low-E Insulated Glass, Add</i>	59.89	
08 52 16 00-0711	EA		52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	427.22	55.00
			<i>For Tempered Low-E Insulated Glass, Add</i>	63.64	
08 52 16 00-0712	EA		59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	460.43	57.90
			<i>For Tempered Low-E Insulated Glass, Add</i>	68.93	
08 52 16 00-0713	EA		64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	485.09	60.80
			<i>For Tempered Low-E Insulated Glass, Add</i>	72.89	
08 52 16 00-0714	EA		71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	518.29	63.69
			<i>For Tempered Low-E Insulated Glass, Add</i>	78.18	
08 52 16 00-0715			24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0692)		
08 52 16 00-0716	EA		24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	307.07	43.43
			<i>For Tempered Low-E Insulated Glass, Add</i>	44.24	
08 52 16 00-0717	EA		28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	327.48	45.36
			<i>For Tempered Low-E Insulated Glass, Add</i>	47.55	
08 52 16 00-0718	EA		31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	338.71	46.32
			<i>For Tempered Low-E Insulated Glass, Add</i>	49.21	
08 52 16 00-0719	EA		35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	362.88	48.25
			<i>For Tempered Low-E Insulated Glass, Add</i>	53.28	
08 52 16 00-0720	EA		40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	386.44	51.14
			<i>For Tempered Low-E Insulated Glass, Add</i>	57.02	
08 52 16 00-0721	EA		48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	421.71	54.52
			<i>For Tempered Low-E Insulated Glass, Add</i>	62.53	
08 52 16 00-0722	EA		52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	444.30	56.93
			<i>For Tempered Low-E Insulated Glass, Add</i>	66.28	
08 52 16 00-0723	EA		59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	478.61	59.83
			<i>For Tempered Low-E Insulated Glass, Add</i>	71.79	
08 52 16 00-0724	EA		64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	502.18	62.73
			<i>For Tempered Low-E Insulated Glass, Add</i>	75.54	
08 52 16 00-0725	EA		71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	536.48	65.62
			<i>For Tempered Low-E Insulated Glass, Add</i>	81.05	
08 52 16 00-0726			28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0692)		



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0727	EA		24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	309.84 44.02	45.36
08 52 16 00-0728	EA		28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	336.85 48.65	47.28
08 52 16 00-0729	EA		31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	351.91 51.08	48.25
08 52 16 00-0730	EA		35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	366.74 53.28	50.18
08 52 16 00-0731	EA		40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	416.75 62.31	53.07
08 52 16 00-0732	EA		48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	463.04 70.03	56.45
08 52 16 00-0733	EA		52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	493.35 75.32	58.86
08 52 16 00-0734	EA		59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	538.68 83.03	61.76
08 52 16 00-0735	EA		64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	571.06 88.54	64.66
08 52 16 00-0736	EA		71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	616.39 96.26	67.55
08 52 16 00-0737			31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0692)</small>		
08 52 16 00-0738	EA		28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	351.91 51.08	48.25
08 52 16 00-0739	EA		31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	370.70 54.26	49.69
08 52 16 00-0740	EA		35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	396.06 58.56	51.62
08 52 16 00-0741	EA		40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	425.18 63.42	54.04
08 52 16 00-0742	EA		48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	467.48 70.34	57.90
08 52 16 00-0743	EA		52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	495.65 75.20	59.83
08 52 16 00-0744	EA		59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	536.99 82.11	63.69
08 52 16 00-0745	EA		64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	565.17 86.79	65.62
08 52 16 00-0746	EA		71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	606.51 93.70	69.00
08 52 16 00-0747			35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0692)</small>		
08 52 16 00-0748	EA		31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	396.06 58.56	51.62
08 52 16 00-0749	EA		35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	433.00 65.18	53.56
08 52 16 00-0750	EA		40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	464.28 70.47	55.97
08 52 16 00-0751	EA		48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	511.67 78.40	59.83
08 52 16 00-0752	EA		52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	541.98 83.69	61.76
08 52 16 00-0753	EA		59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	587.32 91.41	65.62
08 52 16 00-0754	EA		64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	618.60 96.70	67.55
08 52 16 00-0755	EA		71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	663.91 104.41	70.93
08 52 16 00-0756			Horizontal Sliding Wood Clad Windows <small>(08 52 16)</small>		
08 52 16 00-0757			One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0756)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0758			17-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0757)</small>		
08 52 16 00-0759	EA		47-1/2" x 17-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	327.66 45.27	51.14
08 52 16 00-0760			23-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0757)</small>		
08 52 16 00-0761	EA		35-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	302.28 41.35	47.28

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0762 EA 47-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	351.94 48.97	54.04
08 52 16 00-0763 35-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)		
08 52 16 00-0764 EA 35-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	351.94 48.97	54.04
08 52 16 00-0765 EA 47-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	401.60 56.58	59.83
08 52 16 00-0766 EA 59-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	451.27 64.20	65.14
08 52 16 00-0767 EA 71-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	500.93 71.82	70.93
08 52 16 00-0768 41-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)		
08 52 16 00-0769 EA 35-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	377.31 52.88	56.93
08 52 16 00-0770 EA 47-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	425.90 60.28	62.73
08 52 16 00-0771 EA 59-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	475.56 67.90	68.04
08 52 16 00-0772 EA 71-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	563.30 83.13	73.83
08 52 16 00-0773 47-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)		
08 52 16 00-0774 EA 35-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	401.60 56.58	59.83
08 52 16 00-0775 EA 47-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	451.27 64.20	65.62
08 52 16 00-0776 EA 59-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	500.93 71.82	70.93
08 52 16 00-0777 EA 71-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	550.60 79.43	76.71
08 52 16 00-0778 53-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)		
08 52 16 00-0779 EA 47-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	475.56 67.90	68.52
08 52 16 00-0780 EA 59-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	525.22 75.52	73.83
08 52 16 00-0781 EA 71-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	574.89 83.13	79.61
08 52 16 00-0782 59-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)		
08 52 16 00-0783 EA 47-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	500.93 71.82	71.41
08 52 16 00-0784 EA 59-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	550.60 79.43	76.71
08 52 16 00-0785 EA 71-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	600.35 87.07	82.51
08 52 16 00-0786 Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0756) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0787 22-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0785)		
08 52 16 00-0788 EA 35-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	684.10 117.71	47.28
08 52 16 00-0789 EA 47-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	812.10 141.00	54.04
08 52 16 00-0790 35-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)		
08 52 16 00-0791 EA 35-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	821.89 142.96	54.04
08 52 16 00-0792 EA 47-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	950.99 166.46	59.83



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0793 EA 59-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,079.01	65.14
For Tempered Low-E Insulated Glass, Add	189.75	
08 52 16 00-0794 EA 71-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,207.00	70.93
For Tempered Low-E Insulated Glass, Add	213.03	
08 52 16 00-0795 41-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)		
08 52 16 00-0796 EA 35-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	886.44	56.93
For Tempered Low-E Insulated Glass, Add	154.71	
08 52 16 00-0797 EA 47-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,014.46	62.73
For Tempered Low-E Insulated Glass, Add	177.99	
08 52 16 00-0798 EA 59-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,143.55	68.04
For Tempered Low-E Insulated Glass, Add	201.50	
08 52 16 00-0799 EA 71-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,271.55	73.83
For Tempered Low-E Insulated Glass, Add	224.78	
08 52 16 00-0800 47-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)		
08 52 16 00-0801 EA 35-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	950.99	59.83
For Tempered Low-E Insulated Glass, Add	166.46	
08 52 16 00-0802 EA 47-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,079.01	65.62
For Tempered Low-E Insulated Glass, Add	189.75	
08 52 16 00-0803 EA 59-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,207.00	70.93
For Tempered Low-E Insulated Glass, Add	213.03	
08 52 16 00-0804 EA 71-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,336.11	76.71
For Tempered Low-E Insulated Glass, Add	236.53	
08 52 16 00-0805 59-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)		
08 52 16 00-0806 EA 35-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,079.01	65.62
For Tempered Low-E Insulated Glass, Add	189.75	
08 52 16 00-0807 EA 47-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,207.00	71.41
For Tempered Low-E Insulated Glass, Add	213.03	
08 52 16 00-0808 EA 59-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,336.11	76.71
For Tempered Low-E Insulated Glass, Add	236.53	
08 52 16 00-0809 EA 71-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,464.12	82.51
For Tempered Low-E Insulated Glass, Add	259.82	
08 52 16 00-0810 Picture Wood Clad Windows (08 52 16)		
08 52 16 00-0811 Picture Wood Clad Windows For Awning And Casement Windows (08 52 16 00-0810)		
08 52 16 00-0812 Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0811)		
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0813 12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)		
08 52 16 00-0814 EA 40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	256.75	38.60
For Tempered Clear Insulated Glass, Add	35.91	
08 52 16 00-0815 EA 48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	298.48	42.46
For Tempered Clear Insulated Glass, Add	42.71	
08 52 16 00-0816 EA 52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	316.58	44.39
For Tempered Clear Insulated Glass, Add	45.56	
08 52 16 00-0817 EA 59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	343.12	48.25
For Tempered Clear Insulated Glass, Add	49.52	
08 52 16 00-0818 EA 64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	361.38	50.18
For Tempered Clear Insulated Glass, Add	52.20	
08 52 16 00-0819 EA 71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	387.91	54.04
For Tempered Clear Insulated Glass, Add	56.16	
08 52 16 00-0820 35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)		
08 52 16 00-0821 EA 35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	288.28	47.28
For Tempered Clear Insulated Glass, Add	38.74	
08 52 16 00-0822 EA 40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	329.71	50.18
For Tempered Clear Insulated Glass, Add	46.06	
08 52 16 00-0823 EA 48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	390.98	53.56
For Tempered Clear Insulated Glass, Add	56.77	
08 52 16 00-0824 EA 52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	430.55	55.49
For Tempered Clear Insulated Glass, Add	63.92	
08 52 16 00-0825 EA 59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	489.97	58.86
For Tempered Clear Insulated Glass, Add	74.45	
08 52 16 00-0826 EA 64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	531.40	61.28
For Tempered Clear Insulated Glass, Add	81.77	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0827 EA 71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	769.36 128.01	64.66
08 52 16 00-0828 40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)		
08 52 16 00-0829 EA 35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	329.71 46.06	50.18
08 52 16 00-0830 EA 40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	371.13 53.38	52.11
08 52 16 00-0831 EA 48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	432.41 64.09	55.97
08 52 16 00-0832 EA 52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	471.98 71.24	57.90
08 52 16 00-0833 EA 59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	531.40 81.77	61.76
08 52 16 00-0834 EA 64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	572.82 89.09	63.69
08 52 16 00-0835 EA 71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	632.25 99.62	67.55
08 52 16 00-0836 48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)		
08 52 16 00-0837 EA 35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	390.98 56.77	54.04
08 52 16 00-0838 EA 40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	432.41 64.09	55.97
08 52 16 00-0839 EA 48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	493.69 74.81	59.83
08 52 16 00-0840 EA 52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	533.26 81.95	61.76
08 52 16 00-0841 EA 59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	592.68 92.48	65.62
08 52 16 00-0842 EA 64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	634.11 99.80	67.55
08 52 16 00-0843 EA 71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	693.52 110.33	71.41
08 52 16 00-0844 52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)		
08 52 16 00-0845 EA 35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	430.55 63.92	55.97
08 52 16 00-0846 EA 40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	471.98 71.24	57.90
08 52 16 00-0847 EA 48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	533.26 81.95	61.76
08 52 16 00-0848 EA 52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	572.82 89.09	63.69
08 52 16 00-0849 EA 59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	632.25 99.62	67.55
08 52 16 00-0850 EA 64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	673.67 106.94	69.48
08 52 16 00-0851 EA 71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	785.76 128.01	73.34
08 52 16 00-0852 59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)		
08 52 16 00-0853 EA 35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	489.97 74.45	58.86
08 52 16 00-0854 EA 40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	531.40 81.77	61.76
08 52 16 00-0855 EA 48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	592.68 92.48	65.14
08 52 16 00-0856 EA 52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	632.25 99.62	67.07
08 52 16 00-0857 EA 59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	691.67 110.16	70.45
08 52 16 00-0858 EA 64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	733.09 117.48	72.86
08 52 16 00-0859 EA 71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	792.52 128.01	76.24
08 52 16 00-0860 64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)		
08 52 16 00-0861 EA 35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	531.40 81.77	61.76



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0862	EA		40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	572.82 89.09	63.69
08 52 16 00-0863	EA		48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	634.11 99.80	67.55
08 52 16 00-0864	EA		52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	673.67 106.94	69.48
08 52 16 00-0865	EA		59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	785.76 128.01	73.34
08 52 16 00-0866			71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)		
08 52 16 00-0867	EA		35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	590.82 92.30	64.66
08 52 16 00-0868	EA		40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	632.25 99.62	67.55
08 52 16 00-0869	EA		48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	693.52 110.33	70.93
08 52 16 00-0870	EA		52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	733.09 117.48	72.86
08 52 16 00-0871	EA		59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	792.52 128.01	76.24
08 52 16 00-0872			Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0811)		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0873			12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0874	EA		40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	298.87 44.33	38.60
08 52 16 00-0875	EA		48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	348.58 52.73	42.46
08 52 16 00-0876	EA		52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	370.02 56.25	44.39
08 52 16 00-0877	EA		59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	401.19 61.13	48.25
08 52 16 00-0878	EA		64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	422.61 64.45	50.18
08 52 16 00-0879	EA		71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	453.77 69.33	54.04
08 52 16 00-0880			35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0881	EA		35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	333.72 47.83	47.28
08 52 16 00-0882	EA		40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	383.73 56.87	50.18
08 52 16 00-0883	EA		48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	457.57 70.09	53.56
08 52 16 00-0884	EA		52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	505.51 78.91	55.49
08 52 16 00-0885	EA		59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	577.29 91.91	58.86
08 52 16 00-0886	EA		64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	627.31 100.95	61.28
08 52 16 00-0887	EA		71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	919.49 158.04	64.66
08 52 16 00-0888			40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0889	EA		35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	383.73 56.87	50.18
08 52 16 00-0890	EA		40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	433.74 65.90	52.11
08 52 16 00-0891	EA		48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	507.58 79.13	55.97
08 52 16 00-0892	EA		52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	555.52 87.94	57.90
08 52 16 00-0893	EA		59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	627.31 100.95	61.76
08 52 16 00-0894	EA		64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	677.31 109.99	63.69
08 52 16 00-0895	EA		71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	749.09 122.99	67.55

08 Openings

08 50 Windows

08 52 Wood Windows

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0896			48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) <small>(08 52 16 00-0872)</small>		
08 52 16 00-0897	EA		35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	457.57	54.04
			<i>For Tempered Low-E Insulated Glass, Add</i>	70.09	
08 52 16 00-0898	EA		40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	507.58	55.97
			<i>For Tempered Low-E Insulated Glass, Add</i>	79.13	
08 52 16 00-0899	EA		48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	581.43	59.83
			<i>For Tempered Low-E Insulated Glass, Add</i>	92.35	
08 52 16 00-0900	EA		52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	629.37	61.76
			<i>For Tempered Low-E Insulated Glass, Add</i>	101.17	
08 52 16 00-0901	EA		59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	701.15	65.62
			<i>For Tempered Low-E Insulated Glass, Add</i>	114.17	
08 52 16 00-0902	EA		64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	751.16	67.55
			<i>For Tempered Low-E Insulated Glass, Add</i>	123.21	
08 52 16 00-0903	EA		71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	822.93	71.41
			<i>For Tempered Low-E Insulated Glass, Add</i>	136.22	
08 52 16 00-0904			52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) <small>(08 52 16 00-0872)</small>		
08 52 16 00-0905	EA		35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	505.51	55.97
			<i>For Tempered Low-E Insulated Glass, Add</i>	78.91	
08 52 16 00-0906	EA		40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	555.52	57.90
			<i>For Tempered Low-E Insulated Glass, Add</i>	87.94	
08 52 16 00-0907	EA		48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	629.37	61.76
			<i>For Tempered Low-E Insulated Glass, Add</i>	101.17	
08 52 16 00-0908	EA		52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	677.31	63.69
			<i>For Tempered Low-E Insulated Glass, Add</i>	109.99	
08 52 16 00-0909	EA		59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	749.09	67.55
			<i>For Tempered Low-E Insulated Glass, Add</i>	122.99	
08 52 16 00-0910	EA		64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	799.10	69.48
			<i>For Tempered Low-E Insulated Glass, Add</i>	132.03	
08 52 16 00-0911	EA		71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	935.89	73.34
			<i>For Tempered Low-E Insulated Glass, Add</i>	158.04	
08 52 16 00-0912			59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) <small>(08 52 16 00-0872)</small>		
08 52 16 00-0913	EA		35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	577.29	58.86
			<i>For Tempered Low-E Insulated Glass, Add</i>	91.91	
08 52 16 00-0914	EA		40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	627.31	61.76
			<i>For Tempered Low-E Insulated Glass, Add</i>	100.95	
08 52 16 00-0915	EA		48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	701.15	65.14
			<i>For Tempered Low-E Insulated Glass, Add</i>	114.17	
08 52 16 00-0916	EA		52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	749.09	67.07
			<i>For Tempered Low-E Insulated Glass, Add</i>	122.99	
08 52 16 00-0917	EA		59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	820.86	70.45
			<i>For Tempered Low-E Insulated Glass, Add</i>	135.99	
08 52 16 00-0918	EA		64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	870.87	72.86
			<i>For Tempered Low-E Insulated Glass, Add</i>	145.03	
08 52 16 00-0919	EA		71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	942.65	76.24
			<i>For Tempered Low-E Insulated Glass, Add</i>	158.04	
08 52 16 00-0920			64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) <small>(08 52 16 00-0872)</small>		
08 52 16 00-0921	EA		35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	627.31	61.76
			<i>For Tempered Low-E Insulated Glass, Add</i>	100.95	
08 52 16 00-0922	EA		40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	677.31	63.69
			<i>For Tempered Low-E Insulated Glass, Add</i>	109.99	
08 52 16 00-0923	EA		48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	751.16	67.55
			<i>For Tempered Low-E Insulated Glass, Add</i>	123.21	
08 52 16 00-0924	EA		52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	799.10	69.48
			<i>For Tempered Low-E Insulated Glass, Add</i>	132.03	
08 52 16 00-0925	EA		59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	935.89	73.34
			<i>For Tempered Low-E Insulated Glass, Add</i>	158.04	
08 52 16 00-0926			71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) <small>(08 52 16 00-0872)</small>		
08 52 16 00-0927	EA		35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	699.08	64.66
			<i>For Tempered Low-E Insulated Glass, Add</i>	113.95	
08 52 16 00-0928	EA		40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	749.09	67.55
			<i>For Tempered Low-E Insulated Glass, Add</i>	122.99	
08 52 16 00-0929	EA		48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	822.93	70.93
			<i>For Tempered Low-E Insulated Glass, Add</i>	136.22	
08 52 16 00-0930	EA		52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	870.87	72.86
			<i>For Tempered Low-E Insulated Glass, Add</i>	145.03	
08 52 16 00-0931	EA		59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	942.65	76.24
			<i>For Tempered Low-E Insulated Glass, Add</i>	158.04	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0932 Picture Wood Clad Windows For Double Hung Windows <small>(08 52 16 00-0810)</small>		
08 52 16 00-0933 Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) <small>(08 52 16 00-0932)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0934 35-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) <small>(08 52 16 00-0933)</small>		
08 52 16 00-0935 EA 56-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) For Tempered Clear Insulated Glass, Add	369.64 49.80	60.31
08 52 16 00-0936 EA 59-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) For Tempered Clear Insulated Glass, Add	379.37 51.17	61.76
08 52 16 00-0937 47-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) <small>(08 52 16 00-0933)</small>		
08 52 16 00-0938 EA 47-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) For Tempered Clear Insulated Glass, Add	379.37 51.17	61.76
08 52 16 00-0939 EA 71-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) For Tempered Clear Insulated Glass, Add	459.16 62.50	73.34
08 52 16 00-0940 53-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) <small>(08 52 16 00-0933)</small>		
08 52 16 00-0941 EA 56-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) For Tempered Clear Insulated Glass, Add	429.97 58.40	69.00
08 52 16 00-0942 EA 59-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) For Tempered Clear Insulated Glass, Add	439.70 59.76	70.45
08 52 16 00-0943 56-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) <small>(08 52 16 00-0933)</small>		
08 52 16 00-0944 EA 35-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) For Tempered Clear Insulated Glass, Add	369.64 49.80	60.80
08 52 16 00-0945 EA 53-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) For Tempered Clear Insulated Glass, Add	429.97 58.40	69.00
08 52 16 00-0946 59-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) <small>(08 52 16 00-0933)</small>		
08 52 16 00-0947 EA 35-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) For Tempered Clear Insulated Glass, Add	379.37 51.17	61.76
08 52 16 00-0948 EA 53-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) For Tempered Clear Insulated Glass, Add	439.70 59.76	70.45
08 52 16 00-0949 EA 59-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) For Tempered Clear Insulated Glass, Add	459.16 62.50	73.34
08 52 16 00-0950 EA 65-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) For Tempered Clear Insulated Glass, Add	479.60 65.43	76.24
08 52 16 00-0951 65-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) <small>(08 52 16 00-0933)</small>		
08 52 16 00-0952 EA 59-1/2" x 65-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) For Tempered Clear Insulated Glass, Add	479.60 65.43	76.24
08 52 16 00-0953 71-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) <small>(08 52 16 00-0933)</small>		
08 52 16 00-0954 EA 47-1/2" x 71-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) For Tempered Clear Insulated Glass, Add	459.16 62.50	73.34
08 52 16 00-0955 Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) <small>(08 52 16 00-0932)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0956 48-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) <small>(08 52 16 00-0955)</small>		
08 52 16 00-0957 EA 12" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	396.36 61.13	45.36
08 52 16 00-0958 EA 37-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	549.38 86.91	57.90
08 52 16 00-0959 EA 41-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	572.77 90.82	59.35
08 52 16 00-0960 EA 47-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	607.86 96.67	62.24

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0961	EA		51-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	631.25 100.58	64.66
08 52 16 00-0962	EA		59-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	679.01 108.59	68.04
08 52 16 00-0963	EA		67-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	726.76 116.60	72.38
08 52 16 00-0964			52-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)		
08 52 16 00-0965	EA		12" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	420.73 65.23	47.28
08 52 16 00-0966	EA		37-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	572.77 90.82	59.83
08 52 16 00-0967	EA		41-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	597.15 94.92	61.28
08 52 16 00-0968	EA		47-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	631.25 100.58	64.17
08 52 16 00-0969	EA		51-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	655.62 104.68	66.59
08 52 16 00-0970	EA		59-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	703.37 112.69	69.97
08 52 16 00-0971	EA		67-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	751.13 120.70	74.31
08 52 16 00-0972			56-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)		
08 52 16 00-0973	EA		12" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	444.12 69.14	49.21
08 52 16 00-0974	EA		37-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	597.15 94.92	61.76
08 52 16 00-0975	EA		41-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	620.54 98.82	63.21
08 52 16 00-0976	EA		47-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	655.62 104.68	66.10
08 52 16 00-0977	EA		51-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	679.01 108.59	68.52
08 52 16 00-0978	EA		59-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	726.76 116.60	71.90
08 52 16 00-0979	EA		67-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	775.50 124.80	76.24
08 52 16 00-0980			60-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)		
08 52 16 00-0981	EA		12" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	468.48 73.24	51.14
08 52 16 00-0982	EA		37-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	620.54 98.82	63.69
08 52 16 00-0983	EA		41-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	644.90 102.92	65.14
08 52 16 00-0984	EA		47-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	679.01 108.59	68.04
08 52 16 00-0985	EA		51-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	703.37 112.69	70.45
08 52 16 00-0986	EA		59-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	751.13 120.70	73.83
08 52 16 00-0987	EA		67-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	798.89 128.70	78.16
08 52 16 00-0988			64-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)		
08 52 16 00-0989	EA		12" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	491.88 77.14	53.07
08 52 16 00-0990	EA		37-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	644.90 102.92	65.62
08 52 16 00-0991	EA		41-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	669.27 107.03	67.07
08 52 16 00-0992	EA		47-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	703.37 112.69	69.97
08 52 16 00-0993	EA		51-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	726.76 116.60	72.38
08 52 16 00-0994	EA		59-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	775.50 124.80	75.76
08 52 16 00-0995	EA		67-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	823.26 132.81	80.09



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0996 68-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)		
08 52 16 00-0997 EA 12" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	516.24 81.25	55.00
08 52 16 00-0998 EA 37-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	669.27 107.03	67.55
08 52 16 00-0999 EA 41-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	692.65 110.93	69.00
08 52 16 00-1000 EA 47-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	726.76 116.60	71.90
08 52 16 00-1001 EA 51-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	751.13 120.70	74.31
08 52 16 00-1002 EA 59-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	798.89 128.70	77.68
08 52 16 00-1003 EA 67-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	846.65 136.71	82.02
08 52 16 00-1004 72-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)		
08 52 16 00-1005 EA 12" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	539.63 85.15	56.93
08 52 16 00-1006 EA 37-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	692.65 110.93	69.48
08 52 16 00-1007 EA 41-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	717.02 115.03	70.93
08 52 16 00-1008 EA 47-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	751.13 120.70	73.83
08 52 16 00-1009 EA 51-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	775.50 124.80	76.24
08 52 16 00-1010 EA 59-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	823.26 132.81	79.61
08 52 16 00-1011 EA 67-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	871.02 140.81	83.95
08 52 16 00-1012 76-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)		
08 52 16 00-1013 EA 12" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	564.00 89.25	58.86
08 52 16 00-1014 EA 37-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	717.02 115.03	71.41
08 52 16 00-1015 EA 41-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	740.41 118.94	72.86
08 52 16 00-1016 EA 47-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	775.50 124.80	75.76
08 52 16 00-1017 EA 51-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	798.89 128.70	78.16
08 52 16 00-1018 EA 59-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	846.65 136.71	81.54
08 52 16 00-1019 EA 67-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	894.40 144.72	85.88
08 52 16 00-1020 Picture Wood Clad Windows For Horizontal Sliding Windows (08 52 16 00-0810)		
08 52 16 00-1021 Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1020) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-1022 35-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)		
08 52 16 00-1023 EA 56-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	369.64 49.80	60.31
08 52 16 00-1024 EA 59-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	379.37 51.17	61.76
08 52 16 00-1025 47-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)		
08 52 16 00-1026 EA 47-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	379.37 51.17	61.76
08 52 16 00-1027 EA 71-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	459.16 62.50	73.34
08 52 16 00-1028 53-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)		
08 52 16 00-1029 EA 56-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	429.97 58.40	69.00

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1030 EA 59-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	439.70 59.76	70.45
08 52 16 00-1031 56-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)		
08 52 16 00-1032 EA 35-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	369.64 49.80	60.80
08 52 16 00-1033 EA 53-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	429.97 58.40	69.00
08 52 16 00-1034 59-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)		
08 52 16 00-1035 EA 35-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	379.37 51.17	61.76
08 52 16 00-1036 EA 53-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	439.70 59.76	70.45
08 52 16 00-1037 EA 59-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	459.16 62.50	73.34
08 52 16 00-1038 EA 65-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	479.60 65.43	76.24
08 52 16 00-1039 65-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)		
08 52 16 00-1040 EA 59-1/2" x 65-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	479.60 65.43	76.24
08 52 16 00-1041 71-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)		
08 52 16 00-1042 EA 47-1/2" x 71-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	459.16 62.50	73.34
08 52 16 00-1043 Basement Wood Clad Windows (08 52 16)		
08 52 16 00-1044 Basement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-1043) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware, Low-E insulated glass and insect screens. Excludes grilles.		
08 52 16 00-1045 EA 32-1/4" x 15-3/4", Basement Wood Clad Window (Andersen 400 Series).....	200.52	38.60
08 52 16 00-1046 EA 32-1/4" x 19-3/4", Basement Wood Clad Window (Andersen 400 Series).....	209.78	38.60
08 52 16 00-1047 EA 32-1/4" x 23-3/4", Basement Wood Clad Window (Andersen 400 Series).....	217.93	38.60
08 52 16 00-1048 Factory Installed Grilles For Wood Clad Windows (08 52 16)		
08 52 16 00-1049 Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows (08 52 16 00-1048)		
08 52 16 00-1050 EA Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	24.10	
08 52 16 00-1051 EA >9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	35.51	
08 52 16 00-1052 EA >18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	48.19	
08 52 16 00-1053 EA >24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	60.87	
08 52 16 00-1054 EA >36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	86.24	
08 52 16 00-1055 Fixed Exterior And Removable Interior Grilles, Factory Installed Grilles For Wood Clad Windows (08 52 16 00-1048)		
08 52 16 00-1056 EA Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	38.55	
08 52 16 00-1057 EA >9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	56.82	
08 52 16 00-1058 EA >18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	77.11	
08 52 16 00-1059 EA >24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	97.40	
08 52 16 00-1060 EA >36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	137.98	
08 52 16 00-1061 Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows (08 52 16 00-1048)		
08 52 16 00-1062 EA Up To 9 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows.....	46.26	
08 52 16 00-1063 EA >9 To 18 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows.....	68.18	
08 52 16 00-1064 EA >18 To 24 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows.....	92.53	
08 52 16 00-1065 EA >24 To 36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows.....	116.88	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1066 EA >36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	165.58	
08 52 16 00-1067 Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows (08 52 16 00-1048)		
08 52 16 00-1068 EA Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	55.52	
08 52 16 00-1069 EA >9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	81.81	
08 52 16 00-1070 EA >18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	111.03	
08 52 16 00-1071 EA >24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	140.25	
08 52 16 00-1072 EA >36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	198.69	
08 52 66 Wood Window Screens (08 52)		
08 52 66 00-0001 Insect Screens For Wood Clad Windows (08 52 66)		
08 52 66 00-0002 EA Up To 6 SF, Insect Screen For Wood Clad Windows	34.91	7.01
08 52 66 00-0003 EA >6 To 9 SF, Insect Screen For Wood Clad Windows	40.88	7.01
08 52 66 00-0004 EA >9 To 12 SF, Insect Screen For Wood Clad Windows	43.87	7.01
08 52 66 00-0005 EA >12 To 15 SF, Insect Screen For Wood Clad Windows	49.84	7.01
08 52 66 00-0006 EA >15 To 20 SF, Insect Screen For Wood Clad Windows	61.78	7.01
08 52 66 00-0007 EA >20 To 25 SF, Insect Screen For Wood Clad Windows	67.75	7.01
08 52 66 00-0008 EA >25 To 30 SF, Insect Screen For Wood Clad Windows	73.72	7.01
08 52 66 00-0009 EA >30 To 35 SF, Insect Screen For Wood Clad Windows	79.68	7.01
08 52 66 00-0010 SF >35 SF, Insect Screen For Wood Clad Windows	2.40	0.14
08 53 Plastic Windows (08 50)		
08 53 13 Vinyl Windows (08 53)		
08 53 13 00-0001 Single Hung Vinyl Windows (08 53 13)		
08 53 13 00-0002 New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0001)		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0003 34" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)		
08 53 13 00-0004 EA 24" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	188.97	44.39
For Colored Vinyl, Add 10.02		
For Tinted Glass, Add 12.02		
For Low-E Insulated Glass, Add 25.05		
For Obscure Glass, Add 27.55		
08 53 13 00-0005 EA 28" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	198.42	46.32
For Colored Vinyl, Add 10.58		
For Tinted Glass, Add 12.69		
For Low-E Insulated Glass, Add 26.45		
For Obscure Glass, Add 29.09		
08 53 13 00-0006 EA 30" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	202.50	47.28
For Colored Vinyl, Add 10.79		
For Tinted Glass, Add 12.95		
For Low-E Insulated Glass, Add 26.98		
For Obscure Glass, Add 29.68		
08 53 13 00-0007 EA 32" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	206.87	48.25
For Colored Vinyl, Add 11.04		
For Tinted Glass, Add 13.24		
For Low-E Insulated Glass, Add 27.59		
For Obscure Glass, Add 30.35		
08 53 13 00-0008 EA 36" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	217.56	50.18
For Colored Vinyl, Add 11.72		
For Tinted Glass, Add 14.06		
For Low-E Insulated Glass, Add 29.30		
For Obscure Glass, Add 32.23		
08 53 13 00-0009 EA 44" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	235.60	54.04
For Colored Vinyl, Add 12.75		
For Tinted Glass, Add 15.30		
For Low-E Insulated Glass, Add 31.88		
For Obscure Glass, Add 35.07		
08 53 13 00-0010 36" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)		
08 53 13 00-0011 EA 24" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	192.87	45.36
For Colored Vinyl, Add 10.22		
For Tinted Glass, Add 12.26		
For Low-E Insulated Glass, Add 25.54		
For Obscure Glass, Add 28.09		

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0012	EA		28" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	202.31	46.32
			<i>For Colored Vinyl, Add</i>	10.77	
			<i>For Tinted Glass, Add</i>	12.93	
			<i>For Low-E Insulated Glass, Add</i>	26.94	
			<i>For Obscure Glass, Add</i>	29.63	
08 53 13 00-0013	EA		30" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	206.40	48.25
			<i>For Colored Vinyl, Add</i>	10.99	
			<i>For Tinted Glass, Add</i>	13.19	
			<i>For Low-E Insulated Glass, Add</i>	27.48	
			<i>For Obscure Glass, Add</i>	30.22	
08 53 13 00-0014	EA		32" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	210.77	49.21
			<i>For Colored Vinyl, Add</i>	11.23	
			<i>For Tinted Glass, Add</i>	13.48	
			<i>For Low-E Insulated Glass, Add</i>	28.09	
			<i>For Obscure Glass, Add</i>	30.89	
08 53 13 00-0015	EA		36" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	221.45	51.14
			<i>For Colored Vinyl, Add</i>	11.92	
			<i>For Tinted Glass, Add</i>	14.30	
			<i>For Low-E Insulated Glass, Add</i>	29.79	
			<i>For Obscure Glass, Add</i>	32.77	
08 53 13 00-0016	EA		44" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	239.49	55.00
			<i>For Colored Vinyl, Add</i>	12.95	
			<i>For Tinted Glass, Add</i>	15.54	
			<i>For Low-E Insulated Glass, Add</i>	32.37	
			<i>For Obscure Glass, Add</i>	35.61	
08 53 13 00-0017			38" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0018	EA		24" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	196.67	46.32
			<i>For Colored Vinyl, Add</i>	10.40	
			<i>For Tinted Glass, Add</i>	12.48	
			<i>For Low-E Insulated Glass, Add</i>	26.01	
			<i>For Obscure Glass, Add</i>	28.61	
08 53 13 00-0019	EA		28" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	206.11	48.25
			<i>For Colored Vinyl, Add</i>	10.96	
			<i>For Tinted Glass, Add</i>	13.15	
			<i>For Low-E Insulated Glass, Add</i>	27.40	
			<i>For Obscure Glass, Add</i>	30.14	
08 53 13 00-0020	EA		30" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	210.33	49.21
			<i>For Colored Vinyl, Add</i>	11.19	
			<i>For Tinted Glass, Add</i>	13.43	
			<i>For Low-E Insulated Glass, Add</i>	27.98	
			<i>For Obscure Glass, Add</i>	30.77	
08 53 13 00-0021	EA		32" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	214.69	50.18
			<i>For Colored Vinyl, Add</i>	11.43	
			<i>For Tinted Glass, Add</i>	13.72	
			<i>For Low-E Insulated Glass, Add</i>	28.58	
			<i>For Obscure Glass, Add</i>	31.44	
08 53 13 00-0022	EA		36" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	225.52	52.11
			<i>For Colored Vinyl, Add</i>	12.13	
			<i>For Tinted Glass, Add</i>	14.56	
			<i>For Low-E Insulated Glass, Add</i>	30.33	
			<i>For Obscure Glass, Add</i>	33.36	
08 53 13 00-0023	EA		44" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	243.75	55.97
			<i>For Colored Vinyl, Add</i>	13.18	
			<i>For Tinted Glass, Add</i>	15.82	
			<i>For Low-E Insulated Glass, Add</i>	32.95	
			<i>For Obscure Glass, Add</i>	36.25	
08 53 13 00-0024			44" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0025	EA		24" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	208.25	49.21
			<i>For Colored Vinyl, Add</i>	10.98	
			<i>For Tinted Glass, Add</i>	13.18	
			<i>For Low-E Insulated Glass, Add</i>	27.46	
			<i>For Obscure Glass, Add</i>	30.20	
08 53 13 00-0026	EA		28" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	217.69	51.14
			<i>For Colored Vinyl, Add</i>	11.54	
			<i>For Tinted Glass, Add</i>	13.85	
			<i>For Low-E Insulated Glass, Add</i>	28.85	
			<i>For Obscure Glass, Add</i>	31.74	
08 53 13 00-0027	EA		30" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	222.31	52.11
			<i>For Colored Vinyl, Add</i>	11.81	
			<i>For Tinted Glass, Add</i>	14.17	
			<i>For Low-E Insulated Glass, Add</i>	29.52	
			<i>For Obscure Glass, Add</i>	32.47	
08 53 13 00-0028	EA		32" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	226.69	53.07
			<i>For Colored Vinyl, Add</i>	12.05	
			<i>For Tinted Glass, Add</i>	14.46	
			<i>For Low-E Insulated Glass, Add</i>	30.13	
			<i>For Obscure Glass, Add</i>	33.15	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0029	EA		36" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	237.92	55.00
			<i>For Colored Vinyl, Add</i>	12.79	
			<i>For Tinted Glass, Add</i>	15.35	
			<i>For Low-E Insulated Glass, Add</i>	31.98	
			<i>For Obscure Glass, Add</i>	35.18	
08 53 13 00-0030	EA		44" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	256.67	58.86
			<i>For Colored Vinyl, Add</i>	13.89	
			<i>For Tinted Glass, Add</i>	16.67	
			<i>For Low-E Insulated Glass, Add</i>	34.74	
			<i>For Obscure Glass, Add</i>	38.21	
08 53 13 00-0031			46" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0032	EA		24" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	212.15	50.18
			<i>For Colored Vinyl, Add</i>	11.18	
			<i>For Tinted Glass, Add</i>	13.41	
			<i>For Low-E Insulated Glass, Add</i>	27.95	
			<i>For Obscure Glass, Add</i>	30.74	
08 53 13 00-0033	EA		28" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	221.59	52.11
			<i>For Colored Vinyl, Add</i>	11.74	
			<i>For Tinted Glass, Add</i>	14.08	
			<i>For Low-E Insulated Glass, Add</i>	29.34	
			<i>For Obscure Glass, Add</i>	32.28	
08 53 13 00-0034	EA		30" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	226.35	53.07
			<i>For Colored Vinyl, Add</i>	12.02	
			<i>For Tinted Glass, Add</i>	14.42	
			<i>For Low-E Insulated Glass, Add</i>	30.05	
			<i>For Obscure Glass, Add</i>	33.05	
08 53 13 00-0035	EA		32" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	230.70	54.04
			<i>For Colored Vinyl, Add</i>	12.26	
			<i>For Tinted Glass, Add</i>	14.71	
			<i>For Low-E Insulated Glass, Add</i>	30.66	
			<i>For Obscure Glass, Add</i>	33.72	
08 53 13 00-0036	EA		36" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	242.07	55.97
			<i>For Colored Vinyl, Add</i>	13.01	
			<i>For Tinted Glass, Add</i>	15.62	
			<i>For Low-E Insulated Glass, Add</i>	32.53	
			<i>For Obscure Glass, Add</i>	35.79	
08 53 13 00-0037	EA		44" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	261.00	59.83
			<i>For Colored Vinyl, Add</i>	14.13	
			<i>For Tinted Glass, Add</i>	16.96	
			<i>For Low-E Insulated Glass, Add</i>	35.34	
			<i>For Obscure Glass, Add</i>	38.87	
08 53 13 00-0038			48" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0039	EA		24" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	216.07	51.14
			<i>For Colored Vinyl, Add</i>	11.38	
			<i>For Tinted Glass, Add</i>	13.65	
			<i>For Low-E Insulated Glass, Add</i>	28.45	
			<i>For Obscure Glass, Add</i>	31.29	
08 53 13 00-0040	EA		28" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	225.53	53.07
			<i>For Colored Vinyl, Add</i>	11.94	
			<i>For Tinted Glass, Add</i>	14.32	
			<i>For Low-E Insulated Glass, Add</i>	29.84	
			<i>For Obscure Glass, Add</i>	32.83	
08 53 13 00-0041	EA		30" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	230.39	54.04
			<i>For Colored Vinyl, Add</i>	12.23	
			<i>For Tinted Glass, Add</i>	14.68	
			<i>For Low-E Insulated Glass, Add</i>	30.58	
			<i>For Obscure Glass, Add</i>	33.64	
08 53 13 00-0042	EA		32" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	234.76	55.00
			<i>For Colored Vinyl, Add</i>	12.48	
			<i>For Tinted Glass, Add</i>	14.97	
			<i>For Low-E Insulated Glass, Add</i>	31.19	
			<i>For Obscure Glass, Add</i>	34.31	
08 53 13 00-0043	EA		36" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	246.26	56.93
			<i>For Colored Vinyl, Add</i>	13.24	
			<i>For Tinted Glass, Add</i>	15.89	
			<i>For Low-E Insulated Glass, Add</i>	33.10	
			<i>For Obscure Glass, Add</i>	36.41	
08 53 13 00-0044	EA		44" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	265.37	60.80
			<i>For Colored Vinyl, Add</i>	14.38	
			<i>For Tinted Glass, Add</i>	17.25	
			<i>For Low-E Insulated Glass, Add</i>	35.95	
			<i>For Obscure Glass, Add</i>	39.54	
08 53 13 00-0045			50" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0046	EA		24" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	219.88	52.11
			<i>For Colored Vinyl, Add</i>	11.57	
			<i>For Tinted Glass, Add</i>	13.88	
			<i>For Low-E Insulated Glass, Add</i>	28.92	
			<i>For Obscure Glass, Add</i>	31.81	
08 53 13 00-0047	EA		28" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	229.32	54.04
			<i>For Colored Vinyl, Add</i>	12.12	
			<i>For Tinted Glass, Add</i>	14.55	
			<i>For Low-E Insulated Glass, Add</i>	30.31	
			<i>For Obscure Glass, Add</i>	33.34	
08 53 13 00-0048	EA		30" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	234.33	55.00
			<i>For Colored Vinyl, Add</i>	12.43	
			<i>For Tinted Glass, Add</i>	14.92	
			<i>For Low-E Insulated Glass, Add</i>	31.08	
			<i>For Obscure Glass, Add</i>	34.19	
08 53 13 00-0049	EA		32" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	238.70	55.97
			<i>For Colored Vinyl, Add</i>	12.68	
			<i>For Tinted Glass, Add</i>	15.21	
			<i>For Low-E Insulated Glass, Add</i>	31.69	
			<i>For Obscure Glass, Add</i>	34.86	
08 53 13 00-0050	EA		36" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	250.33	57.90
			<i>For Colored Vinyl, Add</i>	13.45	
			<i>For Tinted Glass, Add</i>	16.14	
			<i>For Low-E Insulated Glass, Add</i>	33.63	
			<i>For Obscure Glass, Add</i>	37.00	
08 53 13 00-0051	EA		44" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	269.61	61.76
			<i>For Colored Vinyl, Add</i>	14.61	
			<i>For Tinted Glass, Add</i>	17.53	
			<i>For Low-E Insulated Glass, Add</i>	36.52	
			<i>For Obscure Glass, Add</i>	40.17	
08 53 13 00-0052			52" Height, New Construction, Single Hung Vinyl Windows (Silver Line		
			2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0053	EA		24" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	223.70	53.07
			<i>For Colored Vinyl, Add</i>	11.75	
			<i>For Tinted Glass, Add</i>	14.10	
			<i>For Low-E Insulated Glass, Add</i>	29.39	
			<i>For Obscure Glass, Add</i>	32.32	
08 53 13 00-0054	EA		28" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	233.14	55.00
			<i>For Colored Vinyl, Add</i>	12.31	
			<i>For Tinted Glass, Add</i>	14.78	
			<i>For Low-E Insulated Glass, Add</i>	30.78	
			<i>For Obscure Glass, Add</i>	33.86	
08 53 13 00-0055	EA		30" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	238.29	55.97
			<i>For Colored Vinyl, Add</i>	12.64	
			<i>For Tinted Glass, Add</i>	15.16	
			<i>For Low-E Insulated Glass, Add</i>	31.59	
			<i>For Obscure Glass, Add</i>	34.75	
08 53 13 00-0056	EA		32" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	242.66	56.93
			<i>For Colored Vinyl, Add</i>	12.88	
			<i>For Tinted Glass, Add</i>	15.45	
			<i>For Low-E Insulated Glass, Add</i>	32.20	
			<i>For Obscure Glass, Add</i>	35.42	
08 53 13 00-0057	EA		36" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	254.43	58.86
			<i>For Colored Vinyl, Add</i>	13.67	
			<i>For Tinted Glass, Add</i>	16.40	
			<i>For Low-E Insulated Glass, Add</i>	34.18	
			<i>For Obscure Glass, Add</i>	37.59	
08 53 13 00-0058	EA		44" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	273.89	62.73
			<i>For Colored Vinyl, Add</i>	14.84	
			<i>For Tinted Glass, Add</i>	17.81	
			<i>For Low-E Insulated Glass, Add</i>	37.11	
			<i>For Obscure Glass, Add</i>	40.82	
08 53 13 00-0059			54" Height, New Construction, Single Hung Vinyl Windows (Silver Line		
			2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0060	EA		24" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	227.51	54.04
			<i>For Colored Vinyl, Add</i>	11.94	
			<i>For Tinted Glass, Add</i>	14.33	
			<i>For Low-E Insulated Glass, Add</i>	29.86	
			<i>For Obscure Glass, Add</i>	32.84	
08 53 13 00-0061	EA		28" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	236.96	55.97
			<i>For Colored Vinyl, Add</i>	12.50	
			<i>For Tinted Glass, Add</i>	15.00	
			<i>For Low-E Insulated Glass, Add</i>	31.26	
			<i>For Obscure Glass, Add</i>	34.38	
08 53 13 00-0062	EA		30" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	242.24	56.93
			<i>For Colored Vinyl, Add</i>	12.84	
			<i>For Tinted Glass, Add</i>	15.40	
			<i>For Low-E Insulated Glass, Add</i>	32.09	
			<i>For Obscure Glass, Add</i>	35.30	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0063	EA		32" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	246.60	57.90
			<i>For Colored Vinyl, Add</i>	13.08	
			<i>For Tinted Glass, Add</i>	15.70	
			<i>For Low-E Insulated Glass, Add</i>	32.70	
			<i>For Obscure Glass, Add</i>	35.97	
08 53 13 00-0064	EA		36" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	258.50	59.83
			<i>For Colored Vinyl, Add</i>	13.88	
			<i>For Tinted Glass, Add</i>	16.66	
			<i>For Low-E Insulated Glass, Add</i>	34.71	
			<i>For Obscure Glass, Add</i>	38.18	
08 53 13 00-0065	EA		44" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	278.13	63.69
			<i>For Colored Vinyl, Add</i>	15.08	
			<i>For Tinted Glass, Add</i>	18.09	
			<i>For Low-E Insulated Glass, Add</i>	37.69	
			<i>For Obscure Glass, Add</i>	41.46	
08 53 13 00-0066			60" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0067	EA		24" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	239.20	56.93
			<i>For Colored Vinyl, Add</i>	12.53	
			<i>For Tinted Glass, Add</i>	15.04	
			<i>For Low-E Insulated Glass, Add</i>	31.33	
			<i>For Obscure Glass, Add</i>	34.47	
08 53 13 00-0068	EA		28" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	248.64	58.86
			<i>For Colored Vinyl, Add</i>	13.09	
			<i>For Tinted Glass, Add</i>	15.71	
			<i>For Low-E Insulated Glass, Add</i>	32.73	
			<i>For Obscure Glass, Add</i>	36.00	
08 53 13 00-0069	EA		30" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	254.30	59.83
			<i>For Colored Vinyl, Add</i>	13.46	
			<i>For Tinted Glass, Add</i>	16.16	
			<i>For Low-E Insulated Glass, Add</i>	33.66	
			<i>For Obscure Glass, Add</i>	37.03	
08 53 13 00-0070	EA		32" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	258.67	60.80
			<i>For Colored Vinyl, Add</i>	13.71	
			<i>For Tinted Glass, Add</i>	16.45	
			<i>For Low-E Insulated Glass, Add</i>	34.27	
			<i>For Obscure Glass, Add</i>	37.70	
08 53 13 00-0071	EA		36" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	270.98	62.73
			<i>For Colored Vinyl, Add</i>	14.55	
			<i>For Tinted Glass, Add</i>	17.46	
			<i>For Low-E Insulated Glass, Add</i>	36.38	
			<i>For Obscure Glass, Add</i>	40.02	
08 53 13 00-0072	EA		44" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	291.14	66.59
			<i>For Colored Vinyl, Add</i>	15.80	
			<i>For Tinted Glass, Add</i>	18.96	
			<i>For Low-E Insulated Glass, Add</i>	39.49	
			<i>For Obscure Glass, Add</i>	43.44	
08 53 13 00-0073			62" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0074	EA		24" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	243.02	57.90
			<i>For Colored Vinyl, Add</i>	12.72	
			<i>For Tinted Glass, Add</i>	15.27	
			<i>For Low-E Insulated Glass, Add</i>	31.81	
			<i>For Obscure Glass, Add</i>	34.99	
08 53 13 00-0075	EA		28" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	252.46	59.83
			<i>For Colored Vinyl, Add</i>	13.28	
			<i>For Tinted Glass, Add</i>	15.94	
			<i>For Low-E Insulated Glass, Add</i>	33.20	
			<i>For Obscure Glass, Add</i>	36.52	
08 53 13 00-0076	EA		30" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	258.28	60.80
			<i>For Colored Vinyl, Add</i>	13.67	
			<i>For Tinted Glass, Add</i>	16.40	
			<i>For Low-E Insulated Glass, Add</i>	34.17	
			<i>For Obscure Glass, Add</i>	37.59	
08 53 13 00-0077	EA		32" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	262.65	61.76
			<i>For Colored Vinyl, Add</i>	13.91	
			<i>For Tinted Glass, Add</i>	16.70	
			<i>For Low-E Insulated Glass, Add</i>	34.78	
			<i>For Obscure Glass, Add</i>	38.26	
08 53 13 00-0078	EA		36" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	275.08	63.69
			<i>For Colored Vinyl, Add</i>	14.77	
			<i>For Tinted Glass, Add</i>	17.72	
			<i>For Low-E Insulated Glass, Add</i>	36.93	
			<i>For Obscure Glass, Add</i>	40.62	
08 53 13 00-0079	EA		44" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	295.44	67.55
			<i>For Colored Vinyl, Add</i>	16.03	
			<i>For Tinted Glass, Add</i>	19.24	
			<i>For Low-E Insulated Glass, Add</i>	40.08	
			<i>For Obscure Glass, Add</i>	44.09	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0080			66" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0081	EA		24" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	250.75	59.83
			For Colored Vinyl, Add	13.11	
			For Tinted Glass, Add	15.73	
			For Low-E Insulated Glass, Add	32.77	
			For Obscure Glass, Add	36.05	
08 53 13 00-0082	EA		28" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	260.19	61.76
			For Colored Vinyl, Add	13.67	
			For Tinted Glass, Add	16.40	
			For Low-E Insulated Glass, Add	34.17	
			For Obscure Glass, Add	37.58	
08 53 13 00-0083	EA		30" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	266.26	62.73
			For Colored Vinyl, Add	14.08	
			For Tinted Glass, Add	16.90	
			For Low-E Insulated Glass, Add	35.20	
			For Obscure Glass, Add	38.72	
08 53 13 00-0084	EA		32" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	270.63	63.69
			For Colored Vinyl, Add	14.33	
			For Tinted Glass, Add	17.19	
			For Low-E Insulated Glass, Add	35.81	
			For Obscure Glass, Add	39.39	
08 53 13 00-0085	EA		36" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	283.34	65.62
			For Colored Vinyl, Add	15.21	
			For Tinted Glass, Add	18.25	
			For Low-E Insulated Glass, Add	38.03	
			For Obscure Glass, Add	41.83	
08 53 13 00-0086	EA		44" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	304.03	69.48
			For Colored Vinyl, Add	16.51	
			For Tinted Glass, Add	19.81	
			For Low-E Insulated Glass, Add	41.27	
			For Obscure Glass, Add	45.39	
08 53 13 00-0087			72" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0088	EA		24" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	262.44	62.73
			For Colored Vinyl, Add	13.70	
			For Tinted Glass, Add	16.44	
			For Low-E Insulated Glass, Add	34.25	
			For Obscure Glass, Add	37.67	
08 53 13 00-0089	EA		28" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	271.88	64.66
			For Colored Vinyl, Add	14.26	
			For Tinted Glass, Add	17.11	
			For Low-E Insulated Glass, Add	35.64	
			For Obscure Glass, Add	39.21	
08 53 13 00-0090	EA		30" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	277.95	65.62
			For Colored Vinyl, Add	14.67	
			For Tinted Glass, Add	17.61	
			For Low-E Insulated Glass, Add	36.68	
			For Obscure Glass, Add	40.35	
08 53 13 00-0091	EA		32" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	282.32	66.59
			For Colored Vinyl, Add	14.92	
			For Tinted Glass, Add	17.90	
			For Low-E Insulated Glass, Add	37.29	
			For Obscure Glass, Add	41.02	
08 53 13 00-0092	EA		36" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	295.04	68.52
			For Colored Vinyl, Add	15.80	
			For Tinted Glass, Add	18.96	
			For Low-E Insulated Glass, Add	39.50	
			For Obscure Glass, Add	43.45	
08 53 13 00-0093	EA		44" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	315.72	72.38
			For Colored Vinyl, Add	17.10	
			For Tinted Glass, Add	20.52	
			For Low-E Insulated Glass, Add	42.74	
			For Obscure Glass, Add	47.02	
08 53 13 00-0094			Replacement, Single Hung Vinyl Windows (Silver Line 2000) <small>(08 53 13 00-0001)</small>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0095	EA		Up To 73" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	262.10	50.66
			For Colored Vinyl, Add	16.08	
			For Tinted Glass, Add	19.29	
			For Low-E Insulated Glass, Add	40.19	
			For Obscure Glass, Add	44.21	
08 53 13 00-0096	EA		>73" To 83" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	287.24	55.49
			For Colored Vinyl, Add	17.63	
			For Tinted Glass, Add	21.15	
			For Low-E Insulated Glass, Add	44.07	
			For Obscure Glass, Add	48.47	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0097 EA >83" To 93" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	310.82	60.31
For Colored Vinyl, Add	19.02	
For Tinted Glass, Add	22.82	
For Low-E Insulated Glass, Add	47.55	
For Obscure Glass, Add	52.30	
08 53 13 00-0098 EA >93" To 101" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	328.89	65.14
For Colored Vinyl, Add	19.86	
For Tinted Glass, Add	23.83	
For Low-E Insulated Glass, Add	49.65	
For Obscure Glass, Add	54.62	
08 53 13 00-0099 EA >101" To 110" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	347.57	69.97
For Colored Vinyl, Add	20.77	
For Tinted Glass, Add	24.92	
For Low-E Insulated Glass, Add	51.91	
For Obscure Glass, Add	57.10	
08 53 13 00-0100 EA >110" To 120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	376.11	74.79
For Colored Vinyl, Add	22.65	
For Tinted Glass, Add	27.18	
For Low-E Insulated Glass, Add	56.63	
For Obscure Glass, Add	62.30	
08 53 13 00-0101 UI >120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	3.15	0.62
For Colored Vinyl, Add	0.19	
For Tinted Glass, Add	0.23	
For Low-E Insulated Glass, Add	0.47	
For Obscure Glass, Add	0.52	
08 53 13 00-0102 Double Hung Vinyl Windows (08 53 13)		
08 53 13 00-0103 New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0102)		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0104 34" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)		
08 53 13 00-0105 EA 24" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	249.49	44.39
For Colored Vinyl, Add	16.07	
For Tinted Glass, Add	19.29	
For Low-E Insulated Glass, Add	40.18	
For Obscure Glass, Add	44.20	
08 53 13 00-0106 EA 28" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	258.93	46.32
For Colored Vinyl, Add	16.63	
For Tinted Glass, Add	19.95	
For Low-E Insulated Glass, Add	41.57	
For Obscure Glass, Add	45.73	
08 53 13 00-0107 EA 30" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	263.54	47.28
For Colored Vinyl, Add	16.90	
For Tinted Glass, Add	20.28	
For Low-E Insulated Glass, Add	42.24	
For Obscure Glass, Add	46.47	
08 53 13 00-0108 EA 32" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	267.91	48.25
For Colored Vinyl, Add	17.14	
For Tinted Glass, Add	20.57	
For Low-E Insulated Glass, Add	42.85	
For Obscure Glass, Add	47.14	
08 53 13 00-0109 EA 36" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	278.07	50.18
For Colored Vinyl, Add	17.77	
For Tinted Glass, Add	21.33	
For Low-E Insulated Glass, Add	44.43	
For Obscure Glass, Add	48.87	
08 53 13 00-0110 EA 44" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	295.44	54.04
For Colored Vinyl, Add	18.74	
For Tinted Glass, Add	22.48	
For Low-E Insulated Glass, Add	46.84	
For Obscure Glass, Add	51.52	
08 53 13 00-0111 36" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)		
08 53 13 00-0112 EA 24" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	253.39	45.36
For Colored Vinyl, Add	16.27	
For Tinted Glass, Add	19.52	
For Low-E Insulated Glass, Add	40.67	
For Obscure Glass, Add	44.74	
08 53 13 00-0113 EA 28" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	262.83	47.28
For Colored Vinyl, Add	16.83	
For Tinted Glass, Add	20.19	
For Low-E Insulated Glass, Add	42.07	
For Obscure Glass, Add	46.27	
08 53 13 00-0114 EA 30" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	267.43	48.25
For Colored Vinyl, Add	17.09	
For Tinted Glass, Add	20.51	
For Low-E Insulated Glass, Add	42.73	
For Obscure Glass, Add	47.01	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0115	EA		32" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	271.80	49.21
			<i>For Colored Vinyl, Add</i>	17.34	
			<i>For Tinted Glass, Add</i>	20.80	
			<i>For Low-E Insulated Glass, Add</i>	43.34	
			<i>For Obscure Glass, Add</i>	47.68	
08 53 13 00-0116	EA		36" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	281.97	51.14
			<i>For Colored Vinyl, Add</i>	17.97	
			<i>For Tinted Glass, Add</i>	21.56	
			<i>For Low-E Insulated Glass, Add</i>	44.92	
			<i>For Obscure Glass, Add</i>	49.41	
08 53 13 00-0117	EA		44" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	299.33	55.00
			<i>For Colored Vinyl, Add</i>	18.93	
			<i>For Tinted Glass, Add</i>	22.72	
			<i>For Low-E Insulated Glass, Add</i>	47.33	
			<i>For Obscure Glass, Add</i>	52.06	
08 53 13 00-0118			38" Height, New Construction, Double Hung Vinyl Windows (Silver Line		
			3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0119	EA		24" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	257.00	46.32
			<i>For Colored Vinyl, Add</i>	16.44	
			<i>For Tinted Glass, Add</i>	19.72	
			<i>For Low-E Insulated Glass, Add</i>	41.09	
			<i>For Obscure Glass, Add</i>	45.20	
08 53 13 00-0120	EA		28" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	266.44	48.25
			<i>For Colored Vinyl, Add</i>	16.99	
			<i>For Tinted Glass, Add</i>	20.39	
			<i>For Low-E Insulated Glass, Add</i>	42.49	
			<i>For Obscure Glass, Add</i>	46.73	
08 53 13 00-0121	EA		30" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	271.16	49.21
			<i>For Colored Vinyl, Add</i>	17.27	
			<i>For Tinted Glass, Add</i>	20.73	
			<i>For Low-E Insulated Glass, Add</i>	43.18	
			<i>For Obscure Glass, Add</i>	47.50	
08 53 13 00-0122	EA		32" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	275.53	50.18
			<i>For Colored Vinyl, Add</i>	17.52	
			<i>For Tinted Glass, Add</i>	21.02	
			<i>For Low-E Insulated Glass, Add</i>	43.79	
			<i>For Obscure Glass, Add</i>	48.17	
08 53 13 00-0123	EA		36" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	285.85	52.11
			<i>For Colored Vinyl, Add</i>	18.16	
			<i>For Tinted Glass, Add</i>	21.80	
			<i>For Low-E Insulated Glass, Add</i>	45.41	
			<i>For Obscure Glass, Add</i>	49.95	
08 53 13 00-0124	EA		44" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	303.37	55.97
			<i>For Colored Vinyl, Add</i>	19.14	
			<i>For Tinted Glass, Add</i>	22.97	
			<i>For Low-E Insulated Glass, Add</i>	47.86	
			<i>For Obscure Glass, Add</i>	52.64	
08 53 13 00-0125			44" Height, New Construction, Double Hung Vinyl Windows (Silver Line		
			3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0126	EA		24" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	268.91	49.21
			<i>For Colored Vinyl, Add</i>	17.05	
			<i>For Tinted Glass, Add</i>	20.46	
			<i>For Low-E Insulated Glass, Add</i>	42.62	
			<i>For Obscure Glass, Add</i>	46.88	
08 53 13 00-0127	EA		28" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	278.35	51.14
			<i>For Colored Vinyl, Add</i>	17.61	
			<i>For Tinted Glass, Add</i>	21.13	
			<i>For Low-E Insulated Glass, Add</i>	44.02	
			<i>For Obscure Glass, Add</i>	48.42	
08 53 13 00-0128	EA		30" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	282.42	52.11
			<i>For Colored Vinyl, Add</i>	17.82	
			<i>For Tinted Glass, Add</i>	21.38	
			<i>For Low-E Insulated Glass, Add</i>	44.55	
			<i>For Obscure Glass, Add</i>	49.01	
08 53 13 00-0129	EA		32" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	286.80	53.07
			<i>For Colored Vinyl, Add</i>	18.06	
			<i>For Tinted Glass, Add</i>	21.68	
			<i>For Low-E Insulated Glass, Add</i>	45.16	
			<i>For Obscure Glass, Add</i>	49.68	
08 53 13 00-0130	EA		36" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	297.46	55.00
			<i>For Colored Vinyl, Add</i>	18.75	
			<i>For Tinted Glass, Add</i>	22.49	
			<i>For Low-E Insulated Glass, Add</i>	46.86	
			<i>For Obscure Glass, Add</i>	51.55	
08 53 13 00-0131	EA		44" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	315.77	58.86
			<i>For Colored Vinyl, Add</i>	19.80	
			<i>For Tinted Glass, Add</i>	23.76	
			<i>For Low-E Insulated Glass, Add</i>	49.51	
			<i>For Obscure Glass, Add</i>	54.46	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0132 46" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0133 EA 24" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	272.51	50.18
For Colored Vinyl, Add	17.22	
For Tinted Glass, Add	20.66	
For Low-E Insulated Glass, Add	43.04	
For Obscure Glass, Add	47.34	
08 53 13 00-0134 EA 28" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	281.95	52.11
For Colored Vinyl, Add	17.77	
For Tinted Glass, Add	21.33	
For Low-E Insulated Glass, Add	44.43	
For Obscure Glass, Add	48.88	
08 53 13 00-0135 EA 30" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	286.20	53.07
For Colored Vinyl, Add	18.00	
For Tinted Glass, Add	21.60	
For Low-E Insulated Glass, Add	45.01	
For Obscure Glass, Add	49.51	
08 53 13 00-0136 EA 32" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	290.56	54.04
For Colored Vinyl, Add	18.25	
For Tinted Glass, Add	21.90	
For Low-E Insulated Glass, Add	45.62	
For Obscure Glass, Add	50.18	
08 53 13 00-0137 EA 36" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	301.34	55.97
For Colored Vinyl, Add	18.94	
For Tinted Glass, Add	22.73	
For Low-E Insulated Glass, Add	47.35	
For Obscure Glass, Add	52.09	
08 53 13 00-0138 EA 44" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	320.12	59.83
For Colored Vinyl, Add	20.05	
For Tinted Glass, Add	24.06	
For Low-E Insulated Glass, Add	50.12	
For Obscure Glass, Add	55.13	
08 53 13 00-0139 48" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0140 EA 24" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	276.13	51.14
For Colored Vinyl, Add	17.38	
For Tinted Glass, Add	20.86	
For Low-E Insulated Glass, Add	43.46	
For Obscure Glass, Add	47.81	
08 53 13 00-0141 EA 28" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	285.59	53.07
For Colored Vinyl, Add	17.94	
For Tinted Glass, Add	21.53	
For Low-E Insulated Glass, Add	44.86	
For Obscure Glass, Add	49.34	
08 53 13 00-0142 EA 30" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	289.92	54.04
For Colored Vinyl, Add	18.18	
For Tinted Glass, Add	21.62	
For Low-E Insulated Glass, Add	45.46	
For Obscure Glass, Add	50.01	
08 53 13 00-0143 EA 32" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	294.28	55.00
For Colored Vinyl, Add	18.43	
For Tinted Glass, Add	22.11	
For Low-E Insulated Glass, Add	46.07	
For Obscure Glass, Add	50.67	
08 53 13 00-0144 EA 36" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	305.22	56.93
For Colored Vinyl, Add	19.14	
For Tinted Glass, Add	22.96	
For Low-E Insulated Glass, Add	47.84	
For Obscure Glass, Add	52.62	
08 53 13 00-0145 EA 44" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	324.41	60.80
For Colored Vinyl, Add	20.28	
For Tinted Glass, Add	24.34	
For Low-E Insulated Glass, Add	50.71	
For Obscure Glass, Add	55.78	
08 53 13 00-0146 50" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0147 EA 24" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	279.73	52.11
For Colored Vinyl, Add	17.55	
For Tinted Glass, Add	21.06	
For Low-E Insulated Glass, Add	43.88	
For Obscure Glass, Add	48.27	
08 53 13 00-0148 EA 28" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	289.18	54.04
For Colored Vinyl, Add	18.11	
For Tinted Glass, Add	21.73	
For Low-E Insulated Glass, Add	45.28	
For Obscure Glass, Add	49.80	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0149	EA		30" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	293.67	55.00
			<i>For Colored Vinyl, Add</i>	18.37	
			<i>For Tinted Glass, Add</i>	22.04	
			<i>For Low-E Insulated Glass, Add</i>	45.92	
			<i>For Obscure Glass, Add</i>	50.51	
08 53 13 00-0150	EA		32" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	298.04	55.97
			<i>For Colored Vinyl, Add</i>	18.61	
			<i>For Tinted Glass, Add</i>	22.33	
			<i>For Low-E Insulated Glass, Add</i>	46.53	
			<i>For Obscure Glass, Add</i>	51.18	
08 53 13 00-0151	EA		36" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	309.10	57.90
			<i>For Colored Vinyl, Add</i>	19.33	
			<i>For Tinted Glass, Add</i>	23.20	
			<i>For Low-E Insulated Glass, Add</i>	48.33	
			<i>For Obscure Glass, Add</i>	53.16	
08 53 13 00-0152	EA		44" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	328.75	61.76
			<i>For Colored Vinyl, Add</i>	20.52	
			<i>For Tinted Glass, Add</i>	24.63	
			<i>For Low-E Insulated Glass, Add</i>	51.31	
			<i>For Obscure Glass, Add</i>	56.44	
08 53 13 00-0153			52" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0154	EA		24" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	283.36	53.07
			<i>For Colored Vinyl, Add</i>	17.72	
			<i>For Tinted Glass, Add</i>	21.26	
			<i>For Low-E Insulated Glass, Add</i>	44.30	
			<i>For Obscure Glass, Add</i>	48.73	
08 53 13 00-0155	EA		28" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	292.79	55.00
			<i>For Colored Vinyl, Add</i>	18.28	
			<i>For Tinted Glass, Add</i>	21.93	
			<i>For Low-E Insulated Glass, Add</i>	45.70	
			<i>For Obscure Glass, Add</i>	50.26	
08 53 13 00-0156	EA		30" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	297.39	55.97
			<i>For Colored Vinyl, Add</i>	18.55	
			<i>For Tinted Glass, Add</i>	22.25	
			<i>For Low-E Insulated Glass, Add</i>	46.36	
			<i>For Obscure Glass, Add</i>	51.00	
08 53 13 00-0157	EA		32" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	301.76	56.93
			<i>For Colored Vinyl, Add</i>	18.79	
			<i>For Tinted Glass, Add</i>	22.55	
			<i>For Low-E Insulated Glass, Add</i>	46.97	
			<i>For Obscure Glass, Add</i>	51.67	
08 53 13 00-0158	EA		36" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	313.25	58.86
			<i>For Colored Vinyl, Add</i>	19.55	
			<i>For Tinted Glass, Add</i>	23.46	
			<i>For Low-E Insulated Glass, Add</i>	48.88	
			<i>For Obscure Glass, Add</i>	53.77	
08 53 13 00-0159	EA		44" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	333.02	62.73
			<i>For Colored Vinyl, Add</i>	20.76	
			<i>For Tinted Glass, Add</i>	24.91	
			<i>For Low-E Insulated Glass, Add</i>	51.89	
			<i>For Obscure Glass, Add</i>	57.08	
08 53 13 00-0160			54" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0161	EA		24" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	286.97	54.04
			<i>For Colored Vinyl, Add</i>	17.89	
			<i>For Tinted Glass, Add</i>	21.47	
			<i>For Low-E Insulated Glass, Add</i>	44.72	
			<i>For Obscure Glass, Add</i>	49.19	
08 53 13 00-0162	EA		28" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	296.42	55.97
			<i>For Colored Vinyl, Add</i>	18.45	
			<i>For Tinted Glass, Add</i>	22.14	
			<i>For Low-E Insulated Glass, Add</i>	46.12	
			<i>For Obscure Glass, Add</i>	50.73	
08 53 13 00-0163	EA		30" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	301.16	56.93
			<i>For Colored Vinyl, Add</i>	18.73	
			<i>For Tinted Glass, Add</i>	22.47	
			<i>For Low-E Insulated Glass, Add</i>	46.82	
			<i>For Obscure Glass, Add</i>	51.50	
08 53 13 00-0164	EA		32" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	305.53	57.90
			<i>For Colored Vinyl, Add</i>	18.97	
			<i>For Tinted Glass, Add</i>	22.77	
			<i>For Low-E Insulated Glass, Add</i>	47.43	
			<i>For Obscure Glass, Add</i>	52.18	
08 53 13 00-0165	EA		36" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	317.40	59.83
			<i>For Colored Vinyl, Add</i>	19.77	
			<i>For Tinted Glass, Add</i>	23.73	
			<i>For Low-E Insulated Glass, Add</i>	49.44	
			<i>For Obscure Glass, Add</i>	54.38	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0166 EA 44" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	337.31	63.69
For Colored Vinyl, Add	20.99	
For Tinted Glass, Add	25.19	
For Low-E Insulated Glass, Add	52.48	
For Obscure Glass, Add	57.73	
08 53 13 00-0167 60" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0168 EA 24" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	297.85	56.93
For Colored Vinyl, Add	18.40	
For Tinted Glass, Add	22.08	
For Low-E Insulated Glass, Add	46.00	
For Obscure Glass, Add	50.59	
08 53 13 00-0169 EA 28" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	307.29	58.86
For Colored Vinyl, Add	18.96	
For Tinted Glass, Add	22.75	
For Low-E Insulated Glass, Add	47.39	
For Obscure Glass, Add	52.13	
08 53 13 00-0170 EA 30" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	312.96	59.83
For Colored Vinyl, Add	19.33	
For Tinted Glass, Add	23.20	
For Low-E Insulated Glass, Add	48.33	
For Obscure Glass, Add	53.16	
08 53 13 00-0171 EA 32" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	317.33	60.80
For Colored Vinyl, Add	19.57	
For Tinted Glass, Add	23.49	
For Low-E Insulated Glass, Add	48.94	
For Obscure Glass, Add	53.83	
08 53 13 00-0172 EA 36" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	329.80	62.73
For Colored Vinyl, Add	20.44	
For Tinted Glass, Add	24.52	
For Low-E Insulated Glass, Add	51.09	
For Obscure Glass, Add	56.20	
08 53 13 00-0173 EA 44" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	350.21	66.59
For Colored Vinyl, Add	21.70	
For Tinted Glass, Add	26.04	
For Low-E Insulated Glass, Add	54.26	
For Obscure Glass, Add	59.69	
08 53 13 00-0174 62" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0175 EA 24" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	301.46	57.90
For Colored Vinyl, Add	18.57	
For Tinted Glass, Add	22.28	
For Low-E Insulated Glass, Add	46.42	
For Obscure Glass, Add	51.06	
08 53 13 00-0176 EA 28" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	310.90	59.83
For Colored Vinyl, Add	19.12	
For Tinted Glass, Add	22.95	
For Low-E Insulated Glass, Add	47.81	
For Obscure Glass, Add	52.59	
08 53 13 00-0177 EA 30" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	316.95	60.80
For Colored Vinyl, Add	19.54	
For Tinted Glass, Add	23.44	
For Low-E Insulated Glass, Add	48.84	
For Obscure Glass, Add	53.72	
08 53 13 00-0178 EA 32" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	321.32	61.76
For Colored Vinyl, Add	19.78	
For Tinted Glass, Add	23.74	
For Low-E Insulated Glass, Add	49.45	
For Obscure Glass, Add	54.40	
08 53 13 00-0179 EA 36" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	333.91	63.69
For Colored Vinyl, Add	20.65	
For Tinted Glass, Add	24.78	
For Low-E Insulated Glass, Add	51.63	
For Obscure Glass, Add	56.80	
08 53 13 00-0180 EA 44" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	354.83	67.55
For Colored Vinyl, Add	21.97	
For Tinted Glass, Add	26.37	
For Low-E Insulated Glass, Add	54.93	
For Obscure Glass, Add	60.42	
08 53 13 00-0181 66" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0182 EA 24" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	309.25	59.83
For Colored Vinyl, Add	18.96	
For Tinted Glass, Add	22.75	
For Low-E Insulated Glass, Add	47.40	
For Obscure Glass, Add	52.14	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0183	EA		28" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	318.70	61.76
			<i>For Colored Vinyl, Add</i>	19.52	
			<i>For Tinted Glass, Add</i>	23.42	
			<i>For Low-E Insulated Glass, Add</i>	48.80	
			<i>For Obscure Glass, Add</i>	53.67	
08 53 13 00-0184	EA		30" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	324.95	62.73
			<i>For Colored Vinyl, Add</i>	19.95	
			<i>For Tinted Glass, Add</i>	23.94	
			<i>For Low-E Insulated Glass, Add</i>	49.88	
			<i>For Obscure Glass, Add</i>	54.86	
08 53 13 00-0185	EA		32" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	329.32	63.69
			<i>For Colored Vinyl, Add</i>	20.19	
			<i>For Tinted Glass, Add</i>	24.23	
			<i>For Low-E Insulated Glass, Add</i>	50.49	
			<i>For Obscure Glass, Add</i>	55.53	
08 53 13 00-0186	EA		36" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	342.21	65.62
			<i>For Colored Vinyl, Add</i>	21.10	
			<i>For Tinted Glass, Add</i>	25.32	
			<i>For Low-E Insulated Glass, Add</i>	52.74	
			<i>For Obscure Glass, Add</i>	58.02	
08 53 13 00-0187	EA		44" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	363.77	69.48
			<i>For Colored Vinyl, Add</i>	22.48	
			<i>For Tinted Glass, Add</i>	26.98	
			<i>For Low-E Insulated Glass, Add</i>	56.20	
			<i>For Obscure Glass, Add</i>	61.82	
08 53 13 00-0188			72" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0189	EA		24" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	320.94	62.73
			<i>For Colored Vinyl, Add</i>	19.55	
			<i>For Tinted Glass, Add</i>	23.46	
			<i>For Low-E Insulated Glass, Add</i>	48.87	
			<i>For Obscure Glass, Add</i>	53.76	
08 53 13 00-0190	EA		28" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	330.38	64.66
			<i>For Colored Vinyl, Add</i>	20.11	
			<i>For Tinted Glass, Add</i>	24.13	
			<i>For Low-E Insulated Glass, Add</i>	50.27	
			<i>For Obscure Glass, Add</i>	55.29	
08 53 13 00-0191	EA		30" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	336.64	65.62
			<i>For Colored Vinyl, Add</i>	20.54	
			<i>For Tinted Glass, Add</i>	24.65	
			<i>For Low-E Insulated Glass, Add</i>	51.35	
			<i>For Obscure Glass, Add</i>	56.49	
08 53 13 00-0192	EA		32" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	341.01	66.59
			<i>For Colored Vinyl, Add</i>	20.78	
			<i>For Tinted Glass, Add</i>	24.94	
			<i>For Low-E Insulated Glass, Add</i>	51.96	
			<i>For Obscure Glass, Add</i>	57.16	
08 53 13 00-0193	EA		36" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	353.91	68.52
			<i>For Colored Vinyl, Add</i>	21.69	
			<i>For Tinted Glass, Add</i>	26.02	
			<i>For Low-E Insulated Glass, Add</i>	54.22	
			<i>For Obscure Glass, Add</i>	59.64	
08 53 13 00-0194	EA		44" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	375.46	72.38
			<i>For Colored Vinyl, Add</i>	23.07	
			<i>For Tinted Glass, Add</i>	27.69	
			<i>For Low-E Insulated Glass, Add</i>	57.68	
			<i>For Obscure Glass, Add</i>	63.45	
08 53 13 00-0195			Replacement, Double Hung Vinyl Windows (Silver Line 8500) <small>(08 53 13 00-0102)</small>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0196	EA		Up To 73" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	302.29	50.66
			<i>For Colored Vinyl, Add</i>	20.10	
			<i>For Tinted Glass, Add</i>	24.12	
			<i>For Low-E Insulated Glass, Add</i>	50.24	
			<i>For Obscure Glass, Add</i>	55.26	
08 53 13 00-0197	EA		>73" To 83" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	332.94	55.49
			<i>For Colored Vinyl, Add</i>	22.20	
			<i>For Tinted Glass, Add</i>	26.64	
			<i>For Low-E Insulated Glass, Add</i>	55.49	
			<i>For Obscure Glass, Add</i>	61.04	
08 53 13 00-0198	EA		>83" To 93" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	362.02	60.31
			<i>For Colored Vinyl, Add</i>	24.14	
			<i>For Tinted Glass, Add</i>	28.97	
			<i>For Low-E Insulated Glass, Add</i>	60.35	
			<i>For Obscure Glass, Add</i>	66.38	
08 53 13 00-0199	EA		>93" To 101" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	384.49	65.14
			<i>For Colored Vinyl, Add</i>	25.42	
			<i>For Tinted Glass, Add</i>	30.51	
			<i>For Low-E Insulated Glass, Add</i>	63.55	
			<i>For Obscure Glass, Add</i>	69.91	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0200	EA		>101" To 110" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	408.14	69.97
			<i>For Colored Vinyl, Add</i>	26.82	
			<i>For Tinted Glass, Add</i>	32.19	
			<i>For Low-E Insulated Glass, Add</i>	67.06	
			<i>For Obscure Glass, Add</i>	73.76	
08 53 13 00-0201	EA		>110" To 120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	442.18	74.79
			<i>For Colored Vinyl, Add</i>	29.26	
			<i>For Tinted Glass, Add</i>	35.11	
			<i>For Low-E Insulated Glass, Add</i>	73.15	
			<i>For Obscure Glass, Add</i>	80.47	
08 53 13 00-0202	UI		>120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	3.70	0.62
			<i>For Colored Vinyl, Add</i>	0.24	
			<i>For Tinted Glass, Add</i>	0.29	
			<i>For Low-E Insulated Glass, Add</i>	0.61	
			<i>For Obscure Glass, Add</i>	0.67	
08 53 13 00-0203			Casement Vinyl Windows (08 53 13)		
08 53 13 00-0204			New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0203) Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0205			One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0204)		
08 53 13 00-0206			24" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0207	EA		17" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	223.81	36.67
			<i>For Colored Vinyl, Add</i>	15.14	
			<i>For Tinted Glass, Add</i>	18.17	
			<i>For Low-E Insulated Glass, Add</i>	37.86	
			<i>For Obscure Glass, Add</i>	41.64	
08 53 13 00-0208	EA		20" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	231.82	37.64
			<i>For Colored Vinyl, Add</i>	15.65	
			<i>For Tinted Glass, Add</i>	18.78	
			<i>For Low-E Insulated Glass, Add</i>	39.14	
			<i>For Obscure Glass, Add</i>	43.05	
08 53 13 00-0209	EA		24" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	240.78	39.57
			<i>For Colored Vinyl, Add</i>	16.17	
			<i>For Tinted Glass, Add</i>	19.40	
			<i>For Low-E Insulated Glass, Add</i>	40.41	
			<i>For Obscure Glass, Add</i>	44.45	
08 53 13 00-0210	EA		28" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	255.39	41.50
			<i>For Colored Vinyl, Add</i>	17.24	
			<i>For Tinted Glass, Add</i>	20.69	
			<i>For Low-E Insulated Glass, Add</i>	43.10	
			<i>For Obscure Glass, Add</i>	47.41	
08 53 13 00-0211			28" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0212	EA		17" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	237.18	38.60
			<i>For Colored Vinyl, Add</i>	16.09	
			<i>For Tinted Glass, Add</i>	19.31	
			<i>For Low-E Insulated Glass, Add</i>	40.24	
			<i>For Obscure Glass, Add</i>	44.26	
08 53 13 00-0213	EA		20" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	245.77	39.57
			<i>For Colored Vinyl, Add</i>	16.66	
			<i>For Tinted Glass, Add</i>	20.00	
			<i>For Low-E Insulated Glass, Add</i>	41.66	
			<i>For Obscure Glass, Add</i>	45.83	
08 53 13 00-0214	EA		24" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	255.31	41.50
			<i>For Colored Vinyl, Add</i>	17.23	
			<i>For Tinted Glass, Add</i>	20.68	
			<i>For Low-E Insulated Glass, Add</i>	43.08	
			<i>For Obscure Glass, Add</i>	47.39	
08 53 13 00-0215	EA		28" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	270.61	43.43
			<i>For Colored Vinyl, Add</i>	18.38	
			<i>For Tinted Glass, Add</i>	22.05	
			<i>For Low-E Insulated Glass, Add</i>	45.94	
			<i>For Obscure Glass, Add</i>	50.53	
08 53 13 00-0216			36" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0217	EA		17" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	254.16	41.50
			<i>For Colored Vinyl, Add</i>	17.12	
			<i>For Tinted Glass, Add</i>	20.54	
			<i>For Low-E Insulated Glass, Add</i>	42.79	
			<i>For Obscure Glass, Add</i>	47.07	

08 Openings**08 50 Windows**

08 53 Plastic Windows



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0218 EA 20" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	263.03	43.43
For Colored Vinyl, Add	17.72	
For Tinted Glass, Add	21.26	
For Low-E Insulated Glass, Add	44.29	
For Obscure Glass, Add	48.72	
08 53 13 00-0219 EA 24" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	272.89	44.88
For Colored Vinyl, Add	18.31	
For Tinted Glass, Add	21.98	
For Low-E Insulated Glass, Add	45.79	
For Obscure Glass, Add	50.36	
08 53 13 00-0220 EA 28" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	288.74	46.80
For Colored Vinyl, Add	19.51	
For Tinted Glass, Add	23.42	
For Low-E Insulated Glass, Add	48.78	
For Obscure Glass, Add	53.66	
08 53 13 00-0221 40" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0222 EA 17" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	268.84	44.39
For Colored Vinyl, Add	18.10	
For Tinted Glass, Add	21.72	
For Low-E Insulated Glass, Add	45.26	
For Obscure Glass, Add	49.78	
08 53 13 00-0223 EA 20" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	278.13	45.36
For Colored Vinyl, Add	18.74	
For Tinted Glass, Add	22.49	
For Low-E Insulated Glass, Add	46.86	
For Obscure Glass, Add	51.54	
08 53 13 00-0224 EA 24" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	288.38	47.28
For Colored Vinyl, Add	19.38	
For Tinted Glass, Add	23.26	
For Low-E Insulated Glass, Add	48.45	
For Obscure Glass, Add	53.30	
08 53 13 00-0225 EA 28" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	305.36	49.21
For Colored Vinyl, Add	20.69	
For Tinted Glass, Add	24.83	
For Low-E Insulated Glass, Add	51.73	
For Obscure Glass, Add	56.91	
08 53 13 00-0226 48" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0227 EA 17" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	286.53	48.25
For Colored Vinyl, Add	19.10	
For Tinted Glass, Add	22.92	
For Low-E Insulated Glass, Add	47.75	
For Obscure Glass, Add	52.52	
08 53 13 00-0228 EA 20" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	296.15	49.21
For Colored Vinyl, Add	19.77	
For Tinted Glass, Add	23.73	
For Low-E Insulated Glass, Add	49.43	
For Obscure Glass, Add	54.37	
08 53 13 00-0229 EA 24" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	306.76	51.14
For Colored Vinyl, Add	20.45	
For Tinted Glass, Add	24.54	
For Low-E Insulated Glass, Add	51.12	
For Obscure Glass, Add	56.23	
08 53 13 00-0230 EA 28" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	325.25	53.07
For Colored Vinyl, Add	21.91	
For Tinted Glass, Add	26.29	
For Low-E Insulated Glass, Add	54.77	
For Obscure Glass, Add	60.25	
08 53 13 00-0231 52" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0232 EA 17" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	300.30	50.18
For Colored Vinyl, Add	20.09	
For Tinted Glass, Add	24.11	
For Low-E Insulated Glass, Add	50.23	
For Obscure Glass, Add	55.25	
08 53 13 00-0233 EA 20" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	310.40	51.14
For Colored Vinyl, Add	20.81	
For Tinted Glass, Add	24.97	
For Low-E Insulated Glass, Add	52.03	
For Obscure Glass, Add	57.23	
08 53 13 00-0234 EA 24" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	321.46	53.07
For Colored Vinyl, Add	21.53	
For Tinted Glass, Add	25.84	
For Low-E Insulated Glass, Add	53.83	
For Obscure Glass, Add	59.21	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0235	EA		28" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	340.20	55.00
			<i>For Colored Vinyl, Add</i>	23.02	
			<i>For Tinted Glass, Add</i>	27.62	
			<i>For Low-E Insulated Glass, Add</i>	57.55	
			<i>For Obscure Glass, Add</i>	63.30	
08 53 13 00-0236			60" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0237	EA		17" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	316.97	53.07
			<i>For Colored Vinyl, Add</i>	21.08	
			<i>For Tinted Glass, Add</i>	25.30	
			<i>For Low-E Insulated Glass, Add</i>	52.70	
			<i>For Obscure Glass, Add</i>	57.97	
08 53 13 00-0238	EA		20" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	327.51	55.00
			<i>For Colored Vinyl, Add</i>	21.85	
			<i>For Tinted Glass, Add</i>	26.22	
			<i>For Low-E Insulated Glass, Add</i>	54.62	
			<i>For Obscure Glass, Add</i>	60.08	
08 53 13 00-0239	EA		24" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	339.03	56.45
			<i>For Colored Vinyl, Add</i>	22.61	
			<i>For Tinted Glass, Add</i>	27.14	
			<i>For Low-E Insulated Glass, Add</i>	56.53	
			<i>For Obscure Glass, Add</i>	62.19	
08 53 13 00-0240	EA		28" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	358.06	58.38
			<i>For Colored Vinyl, Add</i>	24.13	
			<i>For Tinted Glass, Add</i>	28.96	
			<i>For Low-E Insulated Glass, Add</i>	60.33	
			<i>For Obscure Glass, Add</i>	66.36	
08 53 13 00-0241			64" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0242	EA		17" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	331.46	55.97
			<i>For Colored Vinyl, Add</i>	22.05	
			<i>For Tinted Glass, Add</i>	26.46	
			<i>For Low-E Insulated Glass, Add</i>	55.12	
			<i>For Obscure Glass, Add</i>	60.63	
08 53 13 00-0243	EA		20" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	342.25	56.93
			<i>For Colored Vinyl, Add</i>	22.84	
			<i>For Tinted Glass, Add</i>	27.41	
			<i>For Low-E Insulated Glass, Add</i>	57.10	
			<i>For Obscure Glass, Add</i>	62.80	
08 53 13 00-0244	EA		24" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	354.40	58.86
			<i>For Colored Vinyl, Add</i>	23.67	
			<i>For Tinted Glass, Add</i>	28.40	
			<i>For Low-E Insulated Glass, Add</i>	59.17	
			<i>For Obscure Glass, Add</i>	65.08	
08 53 13 00-0245	EA		28" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	373.04	60.80
			<i>For Colored Vinyl, Add</i>	25.15	
			<i>For Tinted Glass, Add</i>	30.17	
			<i>For Low-E Insulated Glass, Add</i>	62.86	
			<i>For Obscure Glass, Add</i>	69.15	
08 53 13 00-0246			72" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0247	EA		17" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	349.65	58.86
			<i>For Colored Vinyl, Add</i>	23.19	
			<i>For Tinted Glass, Add</i>	27.83	
			<i>For Low-E Insulated Glass, Add</i>	57.98	
			<i>For Obscure Glass, Add</i>	63.78	
08 53 13 00-0248	EA		20" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	360.94	60.80
			<i>For Colored Vinyl, Add</i>	24.03	
			<i>For Tinted Glass, Add</i>	28.84	
			<i>For Low-E Insulated Glass, Add</i>	60.08	
			<i>For Obscure Glass, Add</i>	66.09	
08 53 13 00-0249	EA		24" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	372.65	62.24
			<i>For Colored Vinyl, Add</i>	24.82	
			<i>For Tinted Glass, Add</i>	29.78	
			<i>For Low-E Insulated Glass, Add</i>	62.04	
			<i>For Obscure Glass, Add</i>	68.24	
08 53 13 00-0250	EA		28" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	391.08	64.17
			<i>For Colored Vinyl, Add</i>	26.27	
			<i>For Tinted Glass, Add</i>	31.53	
			<i>For Low-E Insulated Glass, Add</i>	65.68	
			<i>For Obscure Glass, Add</i>	72.25	
08 53 13 00-0251			Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0204)		
08 53 13 00-0252			36" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)		

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0253	EA		33" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	427.19	49.21
			<i>For Colored Vinyl, Add</i>	32.88	
			<i>For Tinted Glass, Add</i>	39.45	
			<i>For Low-E Insulated Glass, Add</i>	82.19	
			<i>For Obscure Glass, Add</i>	90.41	
08 53 13 00-0254	EA		40" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	444.27	53.07
			<i>For Colored Vinyl, Add</i>	33.91	
			<i>For Tinted Glass, Add</i>	40.69	
			<i>For Low-E Insulated Glass, Add</i>	84.77	
			<i>For Obscure Glass, Add</i>	93.25	
08 53 13 00-0255	EA		48" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	462.32	56.93
			<i>For Colored Vinyl, Add</i>	34.94	
			<i>For Tinted Glass, Add</i>	41.93	
			<i>For Low-E Insulated Glass, Add</i>	87.36	
			<i>For Obscure Glass, Add</i>	96.09	
08 53 13 00-0256	EA		56" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	482.30	60.31
			<i>For Colored Vinyl, Add</i>	36.17	
			<i>For Tinted Glass, Add</i>	43.40	
			<i>For Low-E Insulated Glass, Add</i>	90.42	
			<i>For Obscure Glass, Add</i>	99.46	
08 53 13 00-0257			40" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)		
08 53 13 00-0258	EA		33" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	451.91	51.62
			<i>For Colored Vinyl, Add</i>	34.87	
			<i>For Tinted Glass, Add</i>	41.84	
			<i>For Low-E Insulated Glass, Add</i>	87.16	
			<i>For Obscure Glass, Add</i>	95.88	
08 53 13 00-0259	EA		40" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	469.83	55.00
			<i>For Colored Vinyl, Add</i>	35.98	
			<i>For Tinted Glass, Add</i>	43.18	
			<i>For Low-E Insulated Glass, Add</i>	89.96	
			<i>For Obscure Glass, Add</i>	98.95	
08 53 13 00-0260	EA		48" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	488.73	58.86
			<i>For Colored Vinyl, Add</i>	37.10	
			<i>For Tinted Glass, Add</i>	44.52	
			<i>For Low-E Insulated Glass, Add</i>	92.75	
			<i>For Obscure Glass, Add</i>	102.03	
08 53 13 00-0261	EA		56" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	508.19	62.73
			<i>For Colored Vinyl, Add</i>	38.27	
			<i>For Tinted Glass, Add</i>	45.93	
			<i>For Low-E Insulated Glass, Add</i>	95.69	
			<i>For Obscure Glass, Add</i>	105.25	
08 53 13 00-0262			48" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)		
08 53 13 00-0263	EA		33" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	479.90	55.49
			<i>For Colored Vinyl, Add</i>	36.89	
			<i>For Tinted Glass, Add</i>	44.27	
			<i>For Low-E Insulated Glass, Add</i>	92.23	
			<i>For Obscure Glass, Add</i>	101.46	
08 53 13 00-0264	EA		40" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	498.44	58.86
			<i>For Colored Vinyl, Add</i>	38.07	
			<i>For Tinted Glass, Add</i>	45.69	
			<i>For Low-E Insulated Glass, Add</i>	95.18	
			<i>For Obscure Glass, Add</i>	104.70	
08 53 13 00-0265	EA		48" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	517.96	62.73
			<i>For Colored Vinyl, Add</i>	39.25	
			<i>For Tinted Glass, Add</i>	47.10	
			<i>For Low-E Insulated Glass, Add</i>	98.13	
			<i>For Obscure Glass, Add</i>	107.94	
08 53 13 00-0266	EA		56" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	538.84	66.59
			<i>For Colored Vinyl, Add</i>	40.57	
			<i>For Tinted Glass, Add</i>	48.68	
			<i>For Low-E Insulated Glass, Add</i>	101.42	
			<i>For Obscure Glass, Add</i>	111.56	
08 53 13 00-0267			52" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)		
08 53 13 00-0268	EA		33" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	503.99	57.42
			<i>For Colored Vinyl, Add</i>	38.92	
			<i>For Tinted Glass, Add</i>	46.70	
			<i>For Low-E Insulated Glass, Add</i>	97.29	
			<i>For Obscure Glass, Add</i>	107.02	
08 53 13 00-0269	EA		40" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	523.35	60.80
			<i>For Colored Vinyl, Add</i>	40.18	
			<i>For Tinted Glass, Add</i>	48.21	
			<i>For Low-E Insulated Glass, Add</i>	100.44	
			<i>For Obscure Glass, Add</i>	110.48	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0270	EA		48" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	543.67 41.44 49.72 103.59 113.95	64.66
08 53 13 00-0271	EA		56" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	564.85 42.78 51.34 106.95 117.65	68.52
08 53 13 00-0272			60" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)		
08 53 13 00-0273	EA		33" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	530.98 40.94 49.13 102.35 112.58	60.80
08 53 13 00-0274	EA		40" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	551.15 42.28 50.74 105.70 116.27	64.66
08 53 13 00-0275	EA		48" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	572.28 43.62 52.35 109.05 119.96	68.52
08 53 13 00-0276	EA		56" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	593.71 44.99 53.99 112.48 123.73	71.90
08 53 13 00-0277			64" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)		
08 53 13 00-0278	EA		33" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	556.70 43.03 51.63 107.57 118.33	63.21
08 53 13 00-0279	EA		40" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	576.87 44.37 53.24 110.93 122.02	66.59
08 53 13 00-0280	EA		48" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	597.93 45.70 54.84 114.26 125.69	70.45
08 53 13 00-0281	EA		56" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	619.43 47.08 56.50 117.71 129.48	74.31
08 53 13 00-0282			72" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)		
08 53 13 00-0283	EA		33" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	585.69 45.25 54.30 113.13 124.44	66.59
08 53 13 00-0284	EA		40" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	605.86 46.59 55.91 116.49 128.13	70.45
08 53 13 00-0285	EA		48" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	627.00 47.94 57.52 119.84 131.82	74.31
08 53 13 00-0286	EA		56" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	648.45 49.31 59.17 123.27 135.60	77.68

08 Openings**08 50 Windows**

08 53 Plastic Windows



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0287 Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0204)</small>		
08 53 13 00-0288 36" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0287)</small>		
08 53 13 00-0289 EA 62" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	529.16	62.73
For Colored Vinyl, Add	40.37	
For Tinted Glass, Add	48.45	
For Low-E Insulated Glass, Add	100.93	
For Obscure Glass, Add	111.02	
08 53 13 00-0290 EA 72" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	555.82	67.55
For Colored Vinyl, Add	42.07	
For Tinted Glass, Add	50.49	
For Low-E Insulated Glass, Add	105.18	
For Obscure Glass, Add	115.70	
08 53 13 00-0291 EA 86" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	602.29	74.79
For Colored Vinyl, Add	45.27	
For Tinted Glass, Add	54.33	
For Low-E Insulated Glass, Add	113.18	
For Obscure Glass, Add	124.50	
08 53 13 00-0292 40" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0287)</small>		
08 53 13 00-0293 EA 62" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	562.35	65.62
For Colored Vinyl, Add	43.21	
For Tinted Glass, Add	51.85	
For Low-E Insulated Glass, Add	108.02	
For Obscure Glass, Add	118.82	
08 53 13 00-0294 EA 72" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	589.17	69.97
For Colored Vinyl, Add	44.93	
For Tinted Glass, Add	53.91	
For Low-E Insulated Glass, Add	112.31	
For Obscure Glass, Add	123.54	
08 53 13 00-0295 EA 86" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	637.94	77.20
For Colored Vinyl, Add	48.35	
For Tinted Glass, Add	58.02	
For Low-E Insulated Glass, Add	120.89	
For Obscure Glass, Add	132.97	
08 53 13 00-0296 48" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0287)</small>		
08 53 13 00-0297 EA 62" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	595.33	69.48
For Colored Vinyl, Add	45.64	
For Tinted Glass, Add	54.76	
For Low-E Insulated Glass, Add	114.09	
For Obscure Glass, Add	125.50	
08 53 13 00-0298 EA 72" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	625.83	73.83
For Colored Vinyl, Add	47.82	
For Tinted Glass, Add	57.38	
For Low-E Insulated Glass, Add	119.55	
For Obscure Glass, Add	131.50	
08 53 13 00-0299 EA 86" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	676.57	81.06
For Colored Vinyl, Add	51.45	
For Tinted Glass, Add	61.73	
For Low-E Insulated Glass, Add	128.61	
For Obscure Glass, Add	141.47	
08 53 13 00-0300 52" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0287)</small>		
08 53 13 00-0301 EA 62" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	626.58	71.41
For Colored Vinyl, Add	48.38	
For Tinted Glass, Add	58.05	
For Low-E Insulated Glass, Add	120.94	
For Obscure Glass, Add	133.03	
08 53 13 00-0302 EA 72" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	659.25	76.24
For Colored Vinyl, Add	50.68	
For Tinted Glass, Add	60.81	
For Low-E Insulated Glass, Add	126.70	
For Obscure Glass, Add	139.36	
08 53 13 00-0303 EA 86" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	715.90	82.99
For Colored Vinyl, Add	54.99	
For Tinted Glass, Add	65.99	
For Low-E Insulated Glass, Add	137.48	
For Obscure Glass, Add	151.23	
08 53 13 00-0304 60" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0287)</small>		



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0305 EA 62" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	660.71	74.79
For Colored Vinyl, Add	51.11	
For Tinted Glass, Add	61.34	
For Low-E Insulated Glass, Add	127.78	
For Obscure Glass, Add	140.56	
08 53 13 00-0306 EA 72" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	694.58	79.61
For Colored Vinyl, Add	53.54	
For Tinted Glass, Add	64.24	
For Low-E Insulated Glass, Add	133.84	
For Obscure Glass, Add	147.22	
08 53 13 00-0307 EA 86" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	758.10	86.37
For Colored Vinyl, Add	58.54	
For Tinted Glass, Add	70.24	
For Low-E Insulated Glass, Add	146.34	
For Obscure Glass, Add	160.98	
08 53 13 00-0308 64" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0287)</small>		
08 53 13 00-0309 EA 62" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	696.46	77.20
For Colored Vinyl, Add	54.21	
For Tinted Glass, Add	65.05	
For Low-E Insulated Glass, Add	135.52	
For Obscure Glass, Add	149.07	
08 53 13 00-0310 EA 72" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	730.31	82.02
For Colored Vinyl, Add	56.63	
For Tinted Glass, Add	67.95	
For Low-E Insulated Glass, Add	141.57	
For Obscure Glass, Add	155.72	
08 53 13 00-0311 EA 86" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	793.84	88.78
For Colored Vinyl, Add	61.63	
For Tinted Glass, Add	73.95	
For Low-E Insulated Glass, Add	154.07	
For Obscure Glass, Add	169.48	
08 53 13 00-0312 72" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0287)</small>		
08 53 13 00-0313 EA 62" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	734.21	80.57
For Colored Vinyl, Add	57.31	
For Tinted Glass, Add	68.77	
For Low-E Insulated Glass, Add	143.26	
For Obscure Glass, Add	157.59	
08 53 13 00-0314 EA 72" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	768.05	85.40
For Colored Vinyl, Add	59.73	
For Tinted Glass, Add	71.67	
For Low-E Insulated Glass, Add	149.31	
For Obscure Glass, Add	164.24	
08 53 13 00-0315 EA 86" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	831.59	92.16
For Colored Vinyl, Add	64.73	
For Tinted Glass, Add	77.67	
For Low-E Insulated Glass, Add	161.82	
For Obscure Glass, Add	178.00	
08 53 13 00-0316 Replacement, Casement Vinyl Windows (Silver Line 7500) <small>(08 53 13 00-0203)</small>		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0317 One Operating Sash, Replacement, Casement Vinyl Windows (Silver Line 7500) <small>(08 53 13 00-0316)</small>		
08 53 13 00-0318 EA Up To 53" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	282.12	41.02
For Colored Vinyl, Add	20.01	
For Tinted Glass, Add	24.01	
For Low-E Insulated Glass, Add	50.03	
For Obscure Glass, Add	55.03	
08 53 13 00-0319 EA >53 To 63" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	319.62	45.83
For Colored Vinyl, Add	22.79	
For Tinted Glass, Add	27.35	
For Low-E Insulated Glass, Add	56.99	
For Obscure Glass, Add	62.68	
08 53 13 00-0320 EA >63 To 73" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	353.97	50.66
For Colored Vinyl, Add	25.26	
For Tinted Glass, Add	30.32	
For Low-E Insulated Glass, Add	63.16	
For Obscure Glass, Add	69.48	
08 53 13 00-0321 EA >73" To 83" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	385.16	55.49
For Colored Vinyl, Add	27.42	
For Tinted Glass, Add	32.90	
For Low-E Insulated Glass, Add	68.55	
For Obscure Glass, Add	75.40	

08 Openings**08 50 Windows**

08 53 Plastic Windows



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0322 EA >83" To 93" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	413.23	60.31
For Colored Vinyl, Add	29.26	
For Tinted Glass, Add	35.11	
For Low-E Insulated Glass, Add	73.15	
For Obscure Glass, Add	80.47	
08 53 13 00-0323 EA >93" To 101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	432.16	65.14
For Colored Vinyl, Add	30.19	
For Tinted Glass, Add	36.23	
For Low-E Insulated Glass, Add	75.47	
For Obscure Glass, Add	83.02	
08 53 13 00-0324 UI >101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	4.25	0.62
For Colored Vinyl, Add	0.30	
For Tinted Glass, Add	0.36	
For Low-E Insulated Glass, Add	0.75	
For Obscure Glass, Add	0.82	
08 53 13 00-0325 Two Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) <small>(08 53 13 00-0316)</small>		
08 53 13 00-0326 EA Up To 73" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	451.58	50.66
For Colored Vinyl, Add	35.03	
For Tinted Glass, Add	42.03	
For Low-E Insulated Glass, Add	87.56	
For Obscure Glass, Add	96.32	
08 53 13 00-0327 EA >73" To 83" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	496.15	55.49
For Colored Vinyl, Add	38.52	
For Tinted Glass, Add	46.22	
For Low-E Insulated Glass, Add	96.30	
For Obscure Glass, Add	105.92	
08 53 13 00-0328 EA >83" To 93" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	537.58	60.31
For Colored Vinyl, Add	41.70	
For Tinted Glass, Add	50.03	
For Low-E Insulated Glass, Add	104.24	
For Obscure Glass, Add	114.66	
08 53 13 00-0329 EA >93" To 101" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	567.21	65.14
For Colored Vinyl, Add	43.69	
For Tinted Glass, Add	52.43	
For Low-E Insulated Glass, Add	109.23	
For Obscure Glass, Add	120.16	
08 53 13 00-0330 EA >101" To 110" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	598.48	69.97
For Colored Vinyl, Add	45.86	
For Tinted Glass, Add	55.03	
For Low-E Insulated Glass, Add	114.64	
For Obscure Glass, Add	126.10	
08 53 13 00-0331 EA >110" To 120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	630.95	74.79
For Colored Vinyl, Add	48.14	
For Tinted Glass, Add	57.76	
For Low-E Insulated Glass, Add	120.34	
For Obscure Glass, Add	132.38	
08 53 13 00-0332 UI >120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	5.27	0.62
For Colored Vinyl, Add	0.40	
For Tinted Glass, Add	0.48	
For Low-E Insulated Glass, Add	1.00	
For Obscure Glass, Add	1.10	
08 53 13 00-0333 Three Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) <small>(08 53 13 00-0316)</small>		
08 53 13 00-0334 EA Up To 73" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	468.81	50.66
For Colored Vinyl, Add	36.75	
For Tinted Glass, Add	44.10	
For Low-E Insulated Glass, Add	91.87	
For Obscure Glass, Add	101.06	
08 53 13 00-0335 EA >73" To 83" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	515.26	55.49
For Colored Vinyl, Add	40.43	
For Tinted Glass, Add	48.51	
For Low-E Insulated Glass, Add	101.07	
For Obscure Glass, Add	111.18	
08 53 13 00-0336 EA >83" To 93" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	559.53	60.31
For Colored Vinyl, Add	43.89	
For Tinted Glass, Add	52.67	
For Low-E Insulated Glass, Add	109.73	
For Obscure Glass, Add	120.70	
08 53 13 00-0337 EA >93" To 101" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	591.04	65.14
For Colored Vinyl, Add	46.08	
For Tinted Glass, Add	55.29	
For Low-E Insulated Glass, Add	115.19	
For Obscure Glass, Add	126.71	
08 53 13 00-0338 EA >101" To 110" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	624.44	69.97
For Colored Vinyl, Add	48.45	
For Tinted Glass, Add	58.14	
For Low-E Insulated Glass, Add	121.13	
For Obscure Glass, Add	133.24	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0339	EA		>110" To 120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	659.27	74.79
			<i>For Colored Vinyl, Add</i>	50.97	
			<i>For Tinted Glass, Add</i>	61.16	
			<i>For Low-E Insulated Glass, Add</i>	127.42	
			<i>For Obscure Glass, Add</i>	140.16	
08 53 13 00-0340	UI		>120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	5.51	0.62
			<i>For Colored Vinyl, Add</i>	0.43	
			<i>For Tinted Glass, Add</i>	0.51	
			<i>For Low-E Insulated Glass, Add</i>	1.06	
			<i>For Obscure Glass, Add</i>	1.17	
08 53 13 00-0341			Awning Vinyl Windows (08 53 13)		
08 53 13 00-0342			New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0341) Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0343			Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0342)		
08 53 13 00-0344			17" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0343)		
08 53 13 00-0345	EA		24" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	282.33	39.57
			<i>For Colored Vinyl, Add</i>	20.32	
			<i>For Tinted Glass, Add</i>	24.38	
			<i>For Low-E Insulated Glass, Add</i>	50.80	
			<i>For Obscure Glass, Add</i>	55.88	
08 53 13 00-0346	EA		28" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	295.63	41.50
			<i>For Colored Vinyl, Add</i>	21.26	
			<i>For Tinted Glass, Add</i>	25.52	
			<i>For Low-E Insulated Glass, Add</i>	53.16	
			<i>For Obscure Glass, Add</i>	58.48	
08 53 13 00-0347	EA		36" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	316.55	44.88
			<i>For Colored Vinyl, Add</i>	22.68	
			<i>For Tinted Glass, Add</i>	27.22	
			<i>For Low-E Insulated Glass, Add</i>	56.70	
			<i>For Obscure Glass, Add</i>	62.37	
08 53 13 00-0348	EA		40" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	330.27	47.28
			<i>For Colored Vinyl, Add</i>	23.57	
			<i>For Tinted Glass, Add</i>	28.28	
			<i>For Low-E Insulated Glass, Add</i>	58.93	
			<i>For Obscure Glass, Add</i>	64.82	
08 53 13 00-0349	EA		48" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	352.68	51.14
			<i>For Colored Vinyl, Add</i>	25.04	
			<i>For Tinted Glass, Add</i>	30.05	
			<i>For Low-E Insulated Glass, Add</i>	62.60	
			<i>For Obscure Glass, Add</i>	68.86	
08 53 13 00-0350			20" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0343)		
08 53 13 00-0351	EA		24" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	297.02	41.50
			<i>For Colored Vinyl, Add</i>	21.50	
			<i>For Tinted Glass, Add</i>	25.80	
			<i>For Low-E Insulated Glass, Add</i>	53.75	
			<i>For Obscure Glass, Add</i>	59.13	
08 53 13 00-0352	EA		28" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	310.32	43.43
			<i>For Colored Vinyl, Add</i>	22.44	
			<i>For Tinted Glass, Add</i>	26.93	
			<i>For Low-E Insulated Glass, Add</i>	56.11	
			<i>For Obscure Glass, Add</i>	61.72	
08 53 13 00-0353	EA		36" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	332.54	46.32
			<i>For Colored Vinyl, Add</i>	23.99	
			<i>For Tinted Glass, Add</i>	28.79	
			<i>For Low-E Insulated Glass, Add</i>	59.98	
			<i>For Obscure Glass, Add</i>	65.97	
08 53 13 00-0354	EA		40" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	346.29	49.21
			<i>For Colored Vinyl, Add</i>	24.88	
			<i>For Tinted Glass, Add</i>	29.86	
			<i>For Low-E Insulated Glass, Add</i>	62.21	
			<i>For Obscure Glass, Add</i>	68.43	
08 53 13 00-0355	EA		48" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	369.99	52.59
			<i>For Colored Vinyl, Add</i>	26.48	
			<i>For Tinted Glass, Add</i>	31.78	
			<i>For Low-E Insulated Glass, Add</i>	66.20	
			<i>For Obscure Glass, Add</i>	72.82	
08 53 13 00-0356			24" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0343)		
08 53 13 00-0357	EA		24" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	307.42	43.43
			<i>For Colored Vinyl, Add</i>	22.15	
			<i>For Tinted Glass, Add</i>	26.58	
			<i>For Low-E Insulated Glass, Add</i>	55.39	
			<i>For Obscure Glass, Add</i>	60.92	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0358	EA		28" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	320.73	45.36
			<i>For Colored Vinyl, Add</i>	23.10	
			<i>For Tinted Glass, Add</i>	27.72	
			<i>For Low-E Insulated Glass, Add</i>	57.75	
			<i>For Obscure Glass, Add</i>	63.52	
08 53 13 00-0359	EA		36" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	343.60	48.25
			<i>For Colored Vinyl, Add</i>	24.71	
			<i>For Tinted Glass, Add</i>	29.65	
			<i>For Low-E Insulated Glass, Add</i>	61.78	
			<i>For Obscure Glass, Add</i>	67.95	
08 53 13 00-0360	EA		40" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	358.41	51.14
			<i>For Colored Vinyl, Add</i>	25.71	
			<i>For Tinted Glass, Add</i>	30.85	
			<i>For Low-E Insulated Glass, Add</i>	64.27	
			<i>For Obscure Glass, Add</i>	70.70	
08 53 13 00-0361	EA		48" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	382.37	54.52
			<i>For Colored Vinyl, Add</i>	27.33	
			<i>For Tinted Glass, Add</i>	32.80	
			<i>For Low-E Insulated Glass, Add</i>	68.33	
			<i>For Obscure Glass, Add</i>	75.17	
08 53 13 00-0362			28" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) <small>(08 53 13 00-0343)</small>		
08 53 13 00-0363	EA		24" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	317.85	45.36
			<i>For Colored Vinyl, Add</i>	22.81	
			<i>For Tinted Glass, Add</i>	27.37	
			<i>For Low-E Insulated Glass, Add</i>	57.03	
			<i>For Obscure Glass, Add</i>	62.73	
08 53 13 00-0364	EA		28" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	331.15	47.28
			<i>For Colored Vinyl, Add</i>	23.75	
			<i>For Tinted Glass, Add</i>	28.50	
			<i>For Low-E Insulated Glass, Add</i>	59.39	
			<i>For Obscure Glass, Add</i>	65.32	
08 53 13 00-0365	EA		36" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	354.68	50.18
			<i>For Colored Vinyl, Add</i>	25.43	
			<i>For Tinted Glass, Add</i>	30.52	
			<i>For Low-E Insulated Glass, Add</i>	63.58	
			<i>For Obscure Glass, Add</i>	69.94	
08 53 13 00-0366	EA		40" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	370.46	53.07
			<i>For Colored Vinyl, Add</i>	26.53	
			<i>For Tinted Glass, Add</i>	31.83	
			<i>For Low-E Insulated Glass, Add</i>	66.32	
			<i>For Obscure Glass, Add</i>	72.95	
08 53 13 00-0367	EA		48" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	394.75	56.45
			<i>For Colored Vinyl, Add</i>	28.19	
			<i>For Tinted Glass, Add</i>	33.82	
			<i>For Low-E Insulated Glass, Add</i>	70.46	
			<i>For Obscure Glass, Add</i>	77.51	
08 53 13 00-0368			36" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) <small>(08 53 13 00-0343)</small>		
08 53 13 00-0369	EA		36" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	375.84	53.56
			<i>For Colored Vinyl, Add</i>	26.87	
			<i>For Tinted Glass, Add</i>	32.25	
			<i>For Low-E Insulated Glass, Add</i>	67.18	
			<i>For Obscure Glass, Add</i>	73.90	
08 53 13 00-0370	EA		40" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	391.64	55.97
			<i>For Colored Vinyl, Add</i>	27.97	
			<i>For Tinted Glass, Add</i>	33.56	
			<i>For Low-E Insulated Glass, Add</i>	69.93	
			<i>For Obscure Glass, Add</i>	76.92	
08 53 13 00-0371	EA		48" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	417.25	59.83
			<i>For Colored Vinyl, Add</i>	29.76	
			<i>For Tinted Glass, Add</i>	35.71	
			<i>For Low-E Insulated Glass, Add</i>	74.40	
			<i>For Obscure Glass, Add</i>	81.84	
08 53 13 00-0372			Replacement, Awning Vinyl Windows (Silver Line 7400) <small>(08 53 13 00-0341)</small>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0373	EA		Up To 53" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	294.63	41.02
			<i>For Colored Vinyl, Add</i>	21.26	
			<i>For Tinted Glass, Add</i>	25.51	
			<i>For Low-E Insulated Glass, Add</i>	53.15	
			<i>For Obscure Glass, Add</i>	58.47	
08 53 13 00-0374	EA		>53" To 63" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	339.44	45.83
			<i>For Colored Vinyl, Add</i>	24.78	
			<i>For Tinted Glass, Add</i>	29.73	
			<i>For Low-E Insulated Glass, Add</i>	61.94	
			<i>For Obscure Glass, Add</i>	68.13	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0375 EA >63" To 73" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	382.68	50.66
For Colored Vinyl, Add	28.14	
For Tinted Glass, Add	33.76	
For Low-E Insulated Glass, Add	70.34	
For Obscure Glass, Add	77.37	
08 53 13 00-0376 EA >73" To 83" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	424.33	55.49
For Colored Vinyl, Add	31.34	
For Tinted Glass, Add	37.60	
For Low-E Insulated Glass, Add	78.34	
For Obscure Glass, Add	86.17	
08 53 13 00-0377 EA >83" To 93" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	464.43	60.31
For Colored Vinyl, Add	34.38	
For Tinted Glass, Add	41.26	
For Low-E Insulated Glass, Add	85.95	
For Obscure Glass, Add	94.55	
08 53 13 00-0378 EA >93" To 101" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	487.77	65.14
For Colored Vinyl, Add	35.75	
For Tinted Glass, Add	42.90	
For Low-E Insulated Glass, Add	89.37	
For Obscure Glass, Add	98.31	
08 53 13 00-0379 UI >101" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	4.80	0.62
For Colored Vinyl, Add	0.35	
For Tinted Glass, Add	0.42	
For Low-E Insulated Glass, Add	0.89	
For Obscure Glass, Add	0.97	
08 53 13 00-0380 Horizontal Sliding Vinyl Windows (08 53 13)		
08 53 13 00-0381 New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13		
00-0380)		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen.		
Excludes grilles.		
08 53 13 00-0382 20" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver		
Line 2800) (08 53 13 00-0381)		
08 53 13 00-0383 EA 36" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	188.58	47.28
For Colored Vinyl, Add	9.50	
For Tinted Glass, Add	11.40	
For Low-E Insulated Glass, Add	23.74	
For Obscure Glass, Add	26.12	
08 53 13 00-0384 EA 48" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	209.47	53.07
For Colored Vinyl, Add	10.43	
For Tinted Glass, Add	12.51	
For Low-E Insulated Glass, Add	26.07	
For Obscure Glass, Add	28.68	
08 53 13 00-0385 EA 54" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	219.91	55.49
For Colored Vinyl, Add	10.89	
For Tinted Glass, Add	13.07	
For Low-E Insulated Glass, Add	27.24	
For Obscure Glass, Add	29.96	
08 53 13 00-0386 EA 60" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	230.35	58.38
For Colored Vinyl, Add	11.36	
For Tinted Glass, Add	13.63	
For Low-E Insulated Glass, Add	28.40	
For Obscure Glass, Add	31.24	
08 53 13 00-0387 EA 64" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	237.32	60.80
For Colored Vinyl, Add	11.67	
For Tinted Glass, Add	14.00	
For Low-E Insulated Glass, Add	29.17	
For Obscure Glass, Add	32.09	
08 53 13 00-0388 EA 72" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	251.26	64.17
For Colored Vinyl, Add	12.29	
For Tinted Glass, Add	14.75	
For Low-E Insulated Glass, Add	30.73	
For Obscure Glass, Add	33.80	
08 53 13 00-0389 24" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver		
Line 2800) (08 53 13 00-0381)		
08 53 13 00-0390 EA 36" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	197.68	49.21
For Colored Vinyl, Add	10.02	
For Tinted Glass, Add	12.03	
For Low-E Insulated Glass, Add	25.05	
For Obscure Glass, Add	27.56	
08 53 13 00-0391 EA 48" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	218.98	55.00
For Colored Vinyl, Add	10.99	
For Tinted Glass, Add	13.19	
For Low-E Insulated Glass, Add	27.49	
For Obscure Glass, Add	30.23	
08 53 13 00-0392 EA 54" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	229.70	57.42
For Colored Vinyl, Add	11.49	
For Tinted Glass, Add	13.78	
For Low-E Insulated Glass, Add	28.72	
For Obscure Glass, Add	31.59	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0393	EA		60" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	240.33	60.31
			<i>For Colored Vinyl, Add</i>	11.97	
			<i>For Tinted Glass, Add</i>	14.36	
			<i>For Low-E Insulated Glass, Add</i>	29.93	
			<i>For Obscure Glass, Add</i>	32.92	
08 53 13 00-0394	EA		64" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	247.43	62.73
			<i>For Colored Vinyl, Add</i>	12.29	
			<i>For Tinted Glass, Add</i>	14.75	
			<i>For Low-E Insulated Glass, Add</i>	30.74	
			<i>For Obscure Glass, Add</i>	33.81	
08 53 13 00-0395	EA		72" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	261.65	66.10
			<i>For Colored Vinyl, Add</i>	12.94	
			<i>For Tinted Glass, Add</i>	15.53	
			<i>For Low-E Insulated Glass, Add</i>	32.36	
			<i>For Obscure Glass, Add</i>	35.60	
08 53 13 00-0396 36" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)					
08 53 13 00-0397	EA		36" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	225.10	55.00
			<i>For Colored Vinyl, Add</i>	11.61	
			<i>For Tinted Glass, Add</i>	13.93	
			<i>For Low-E Insulated Glass, Add</i>	29.02	
			<i>For Obscure Glass, Add</i>	31.92	
08 53 13 00-0398	EA		48" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	247.80	60.80
			<i>For Colored Vinyl, Add</i>	12.72	
			<i>For Tinted Glass, Add</i>	15.26	
			<i>For Low-E Insulated Glass, Add</i>	31.79	
			<i>For Obscure Glass, Add</i>	34.97	
08 53 13 00-0399	EA		54" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	259.16	63.21
			<i>For Colored Vinyl, Add</i>	13.27	
			<i>For Tinted Glass, Add</i>	15.93	
			<i>For Low-E Insulated Glass, Add</i>	33.19	
			<i>For Obscure Glass, Add</i>	36.50	
08 53 13 00-0400	EA		60" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	270.50	66.10
			<i>For Colored Vinyl, Add</i>	13.83	
			<i>For Tinted Glass, Add</i>	16.59	
			<i>For Low-E Insulated Glass, Add</i>	34.57	
			<i>For Obscure Glass, Add</i>	38.03	
08 53 13 00-0401	EA		64" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	278.07	67.55
			<i>For Colored Vinyl, Add</i>	14.20	
			<i>For Tinted Glass, Add</i>	17.04	
			<i>For Low-E Insulated Glass, Add</i>	35.50	
			<i>For Obscure Glass, Add</i>	39.05	
08 53 13 00-0402	EA		72" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	293.19	71.90
			<i>For Colored Vinyl, Add</i>	14.94	
			<i>For Tinted Glass, Add</i>	17.93	
			<i>For Low-E Insulated Glass, Add</i>	37.35	
			<i>For Obscure Glass, Add</i>	41.09	
08 53 13 00-0403 42" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)					
08 53 13 00-0404	EA		36" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	238.82	57.90
			<i>For Colored Vinyl, Add</i>	12.40	
			<i>For Tinted Glass, Add</i>	14.88	
			<i>For Low-E Insulated Glass, Add</i>	31.00	
			<i>For Obscure Glass, Add</i>	34.10	
08 53 13 00-0405	EA		48" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	262.21	63.69
			<i>For Colored Vinyl, Add</i>	13.58	
			<i>For Tinted Glass, Add</i>	16.29	
			<i>For Low-E Insulated Glass, Add</i>	33.95	
			<i>For Obscure Glass, Add</i>	37.34	
08 53 13 00-0406	EA		54" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	273.92	66.10
			<i>For Colored Vinyl, Add</i>	14.17	
			<i>For Tinted Glass, Add</i>	17.01	
			<i>For Low-E Insulated Glass, Add</i>	35.43	
			<i>For Obscure Glass, Add</i>	38.97	
08 53 13 00-0407	EA		60" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	285.59	69.00
			<i>For Colored Vinyl, Add</i>	14.76	
			<i>For Tinted Glass, Add</i>	17.71	
			<i>For Low-E Insulated Glass, Add</i>	36.90	
			<i>For Obscure Glass, Add</i>	40.59	
08 53 13 00-0408	EA		64" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	293.37	71.41
			<i>For Colored Vinyl, Add</i>	15.15	
			<i>For Tinted Glass, Add</i>	18.18	
			<i>For Low-E Insulated Glass, Add</i>	37.88	
			<i>For Obscure Glass, Add</i>	41.67	
08 53 13 00-0409	EA		72" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	308.98	74.79
			<i>For Colored Vinyl, Add</i>	15.94	
			<i>For Tinted Glass, Add</i>	19.13	
			<i>For Low-E Insulated Glass, Add</i>	39.85	
			<i>For Obscure Glass, Add</i>	43.84	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0410 44" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0411 EA 36" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	243.40	58.86
For Colored Vinyl, Add	12.66	
For Tinted Glass, Add	15.20	
For Low-E Insulated Glass, Add	31.66	
For Obscure Glass, Add	34.83	
08 53 13 00-0412 EA 48" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	267.02	64.66
For Colored Vinyl, Add	13.87	
For Tinted Glass, Add	16.64	
For Low-E Insulated Glass, Add	34.67	
For Obscure Glass, Add	38.13	
08 53 13 00-0413 EA 54" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	278.82	67.07
For Colored Vinyl, Add	14.47	
For Tinted Glass, Add	17.36	
For Low-E Insulated Glass, Add	36.17	
For Obscure Glass, Add	39.79	
08 53 13 00-0414 EA 60" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	290.62	69.97
For Colored Vinyl, Add	15.07	
For Tinted Glass, Add	18.08	
For Low-E Insulated Glass, Add	37.68	
For Obscure Glass, Add	41.44	
08 53 13 00-0415 EA 64" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	298.50	72.38
For Colored Vinyl, Add	15.47	
For Tinted Glass, Add	18.57	
For Low-E Insulated Glass, Add	38.68	
For Obscure Glass, Add	42.55	
08 53 13 00-0416 EA 72" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	314.23	75.76
For Colored Vinyl, Add	16.27	
For Tinted Glass, Add	19.53	
For Low-E Insulated Glass, Add	40.68	
For Obscure Glass, Add	44.75	
08 53 13 00-0417 46" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0418 EA 36" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	247.97	59.83
For Colored Vinyl, Add	12.93	
For Tinted Glass, Add	15.51	
For Low-E Insulated Glass, Add	32.32	
For Obscure Glass, Add	35.55	
08 53 13 00-0419 EA 48" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	271.81	65.62
For Colored Vinyl, Add	14.15	
For Tinted Glass, Add	16.98	
For Low-E Insulated Glass, Add	35.38	
For Obscure Glass, Add	38.92	
08 53 13 00-0420 EA 54" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	283.74	68.04
For Colored Vinyl, Add	14.77	
For Tinted Glass, Add	17.72	
For Low-E Insulated Glass, Add	36.92	
For Obscure Glass, Add	40.61	
08 53 13 00-0421 EA 60" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	295.64	70.93
For Colored Vinyl, Add	15.38	
For Tinted Glass, Add	18.45	
For Low-E Insulated Glass, Add	38.45	
For Obscure Glass, Add	42.29	
08 53 13 00-0422 EA 64" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	303.59	73.34
For Colored Vinyl, Add	15.79	
For Tinted Glass, Add	18.95	
For Low-E Insulated Glass, Add	39.47	
For Obscure Glass, Add	43.42	
08 53 13 00-0423 EA 72" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	319.50	76.71
For Colored Vinyl, Add	16.61	
For Tinted Glass, Add	19.93	
For Low-E Insulated Glass, Add	41.52	
For Obscure Glass, Add	45.67	
08 53 13 00-0424 48" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0425 EA 36" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	252.55	60.80
For Colored Vinyl, Add	13.19	
For Tinted Glass, Add	15.83	
For Low-E Insulated Glass, Add	32.98	
For Obscure Glass, Add	36.28	
08 53 13 00-0426 EA 48" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	276.62	66.59
For Colored Vinyl, Add	14.44	
For Tinted Glass, Add	17.33	
For Low-E Insulated Glass, Add	36.10	
For Obscure Glass, Add	39.71	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0427	EA		54" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	288.65	69.00
			<i>For Colored Vinyl, Add</i>	15.07	
			<i>For Tinted Glass, Add</i>	18.08	
			<i>For Low-E Insulated Glass, Add</i>	37.67	
			<i>For Obscure Glass, Add</i>	41.43	
08 53 13 00-0428	EA		60" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	300.67	71.90
			<i>For Colored Vinyl, Add</i>	15.69	
			<i>For Tinted Glass, Add</i>	18.83	
			<i>For Low-E Insulated Glass, Add</i>	39.22	
			<i>For Obscure Glass, Add</i>	43.14	
08 53 13 00-0429	EA		64" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	308.70	74.31
			<i>For Colored Vinyl, Add</i>	16.11	
			<i>For Tinted Glass, Add</i>	19.33	
			<i>For Low-E Insulated Glass, Add</i>	40.27	
			<i>For Obscure Glass, Add</i>	44.29	
08 53 13 00-0430	EA		72" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	324.76	77.68
			<i>For Colored Vinyl, Add</i>	16.94	
			<i>For Tinted Glass, Add</i>	20.33	
			<i>For Low-E Insulated Glass, Add</i>	42.35	
			<i>For Obscure Glass, Add</i>	46.58	
08 53 13 00-0431			50" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0432	EA		36" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	257.12	61.76
			<i>For Colored Vinyl, Add</i>	13.46	
			<i>For Tinted Glass, Add</i>	16.15	
			<i>For Low-E Insulated Glass, Add</i>	33.64	
			<i>For Obscure Glass, Add</i>	37.00	
08 53 13 00-0433	EA		48" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	281.41	67.55
			<i>For Colored Vinyl, Add</i>	14.73	
			<i>For Tinted Glass, Add</i>	17.67	
			<i>For Low-E Insulated Glass, Add</i>	36.82	
			<i>For Obscure Glass, Add</i>	40.50	
08 53 13 00-0434	EA		54" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	293.55	69.97
			<i>For Colored Vinyl, Add</i>	15.36	
			<i>For Tinted Glass, Add</i>	18.44	
			<i>For Low-E Insulated Glass, Add</i>	38.41	
			<i>For Obscure Glass, Add</i>	42.25	
08 53 13 00-0435	EA		60" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	305.70	72.86
			<i>For Colored Vinyl, Add</i>	16.00	
			<i>For Tinted Glass, Add</i>	19.20	
			<i>For Low-E Insulated Glass, Add</i>	40.00	
			<i>For Obscure Glass, Add</i>	44.00	
08 53 13 00-0436	EA		64" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	313.81	75.28
			<i>For Colored Vinyl, Add</i>	16.42	
			<i>For Tinted Glass, Add</i>	19.71	
			<i>For Low-E Insulated Glass, Add</i>	41.06	
			<i>For Obscure Glass, Add</i>	45.16	
08 53 13 00-0437	EA		72" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	330.01	78.64
			<i>For Colored Vinyl, Add</i>	17.27	
			<i>For Tinted Glass, Add</i>	20.73	
			<i>For Low-E Insulated Glass, Add</i>	43.18	
			<i>For Obscure Glass, Add</i>	47.50	
08 53 13 00-0438			52" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0439	EA		36" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	261.70	62.73
			<i>For Colored Vinyl, Add</i>	13.72	
			<i>For Tinted Glass, Add</i>	16.47	
			<i>For Low-E Insulated Glass, Add</i>	34.30	
			<i>For Obscure Glass, Add</i>	37.73	
08 53 13 00-0440	EA		48" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	286.22	68.52
			<i>For Colored Vinyl, Add</i>	15.02	
			<i>For Tinted Glass, Add</i>	18.02	
			<i>For Low-E Insulated Glass, Add</i>	37.54	
			<i>For Obscure Glass, Add</i>	41.29	
08 53 13 00-0441	EA		54" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	298.47	70.93
			<i>For Colored Vinyl, Add</i>	15.66	
			<i>For Tinted Glass, Add</i>	18.79	
			<i>For Low-E Insulated Glass, Add</i>	39.16	
			<i>For Obscure Glass, Add</i>	43.07	
08 53 13 00-0442	EA		60" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	310.74	73.83
			<i>For Colored Vinyl, Add</i>	16.31	
			<i>For Tinted Glass, Add</i>	19.57	
			<i>For Low-E Insulated Glass, Add</i>	40.78	
			<i>For Obscure Glass, Add</i>	44.85	
08 53 13 00-0443	EA		64" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	318.92	76.24
			<i>For Colored Vinyl, Add</i>	16.74	
			<i>For Tinted Glass, Add</i>	20.09	
			<i>For Low-E Insulated Glass, Add</i>	41.85	
			<i>For Obscure Glass, Add</i>	46.04	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0444	EA		72" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	335.28	79.61
			<i>For Colored Vinyl, Add</i>	17.61	
			<i>For Tinted Glass, Add</i>	21.13	
			<i>For Low-E Insulated Glass, Add</i>	44.01	
			<i>For Obscure Glass, Add</i>	48.41	
08 53 13 00-0445			54" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0446	EA		36" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	266.27	63.69
			<i>For Colored Vinyl, Add</i>	13.99	
			<i>For Tinted Glass, Add</i>	16.78	
			<i>For Low-E Insulated Glass, Add</i>	34.96	
			<i>For Obscure Glass, Add</i>	38.46	
08 53 13 00-0447	EA		48" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	291.01	69.48
			<i>For Colored Vinyl, Add</i>	15.30	
			<i>For Tinted Glass, Add</i>	18.36	
			<i>For Low-E Insulated Glass, Add</i>	38.26	
			<i>For Obscure Glass, Add</i>	42.08	
08 53 13 00-0448	EA		54" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	303.39	71.90
			<i>For Colored Vinyl, Add</i>	15.96	
			<i>For Tinted Glass, Add</i>	19.15	
			<i>For Low-E Insulated Glass, Add</i>	39.90	
			<i>For Obscure Glass, Add</i>	43.89	
08 53 13 00-0449	EA		60" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	315.78	74.79
			<i>For Colored Vinyl, Add</i>	16.62	
			<i>For Tinted Glass, Add</i>	19.94	
			<i>For Low-E Insulated Glass, Add</i>	41.55	
			<i>For Obscure Glass, Add</i>	45.71	
08 53 13 00-0450	EA		64" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	324.03	77.20
			<i>For Colored Vinyl, Add</i>	17.06	
			<i>For Tinted Glass, Add</i>	20.47	
			<i>For Low-E Insulated Glass, Add</i>	42.65	
			<i>For Obscure Glass, Add</i>	46.91	
08 53 13 00-0451	EA		72" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	340.53	80.57
			<i>For Colored Vinyl, Add</i>	17.94	
			<i>For Tinted Glass, Add</i>	21.52	
			<i>For Low-E Insulated Glass, Add</i>	44.84	
			<i>For Obscure Glass, Add</i>	49.33	
08 53 13 00-0452			60" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0453	EA		36" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	286.96	66.59
			<i>For Colored Vinyl, Add</i>	15.48	
			<i>For Tinted Glass, Add</i>	18.57	
			<i>For Low-E Insulated Glass, Add</i>	38.69	
			<i>For Obscure Glass, Add</i>	42.56	
08 53 13 00-0454	EA		48" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	305.42	72.38
			<i>For Colored Vinyl, Add</i>	16.16	
			<i>For Tinted Glass, Add</i>	19.40	
			<i>For Low-E Insulated Glass, Add</i>	40.41	
			<i>For Obscure Glass, Add</i>	44.45	
08 53 13 00-0455	EA		54" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	318.15	74.79
			<i>For Colored Vinyl, Add</i>	16.86	
			<i>For Tinted Glass, Add</i>	20.23	
			<i>For Low-E Insulated Glass, Add</i>	42.14	
			<i>For Obscure Glass, Add</i>	46.36	
08 53 13 00-0456	EA		60" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	330.87	77.68
			<i>For Colored Vinyl, Add</i>	17.55	
			<i>For Tinted Glass, Add</i>	21.06	
			<i>For Low-E Insulated Glass, Add</i>	43.88	
			<i>For Obscure Glass, Add</i>	48.26	
08 53 13 00-0457	EA		64" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	339.35	80.09
			<i>For Colored Vinyl, Add</i>	18.01	
			<i>For Tinted Glass, Add</i>	21.61	
			<i>For Low-E Insulated Glass, Add</i>	45.03	
			<i>For Obscure Glass, Add</i>	49.53	
08 53 13 00-0458	EA		72" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	356.31	83.47
			<i>For Colored Vinyl, Add</i>	18.94	
			<i>For Tinted Glass, Add</i>	22.72	
			<i>For Low-E Insulated Glass, Add</i>	47.34	
			<i>For Obscure Glass, Add</i>	52.07	
08 53 13 00-0459			Replacement, Horizontal Sliding Vinyl Windows (Silver Line 8700) <small>(08 53 13 00-0380)</small>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0460	EA		Up To 73" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	279.33	50.66
			<i>For Colored Vinyl, Add</i>	17.80	
			<i>For Tinted Glass, Add</i>	21.36	
			<i>For Low-E Insulated Glass, Add</i>	44.50	
			<i>For Obscure Glass, Add</i>	48.95	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0461 EA >73" To 83" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	306.82	55.49
For Colored Vinyl, Add	19.59	
For Tinted Glass, Add	23.50	
For Low-E Insulated Glass, Add	48.96	
For Obscure Glass, Add	53.86	
08 53 13 00-0462 EA >83" To 93" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	332.76	60.31
For Colored Vinyl, Add	21.21	
For Tinted Glass, Add	25.46	
For Low-E Insulated Glass, Add	53.03	
For Obscure Glass, Add	58.34	
08 53 13 00-0463 EA >93" To 101" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	352.72	65.14
For Colored Vinyl, Add	22.24	
For Tinted Glass, Add	26.69	
For Low-E Insulated Glass, Add	55.61	
For Obscure Glass, Add	61.17	
08 53 13 00-0464 EA >101" To 110" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	373.53	69.97
For Colored Vinyl, Add	23.36	
For Tinted Glass, Add	28.03	
For Low-E Insulated Glass, Add	58.40	
For Obscure Glass, Add	64.24	
08 53 13 00-0465 EA >110" To 120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	404.42	74.79
For Colored Vinyl, Add	25.48	
For Tinted Glass, Add	30.58	
For Low-E Insulated Glass, Add	63.71	
For Obscure Glass, Add	70.08	
08 53 13 00-0466 UI >120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	3.38	0.62
For Colored Vinyl, Add	0.21	
For Tinted Glass, Add	0.25	
For Low-E Insulated Glass, Add	0.53	
For Obscure Glass, Add	0.58	
08 53 13 00-0467 Basement Vinyl Windows (08 53 13)		
08 53 13 00-0468 New Construction, Basement Vinyl Windows (Silver Line 5900) (08 53 13 00-0467)		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0469 EA 32" x 15", New Construction, Basement Vinyl Window (Silver Line 5900).....	171.59	38.60
For Colored Vinyl, Add	9.44	
For Tinted Glass, Add	11.33	
For Low-E Insulated Glass, Add	23.60	
For Obscure Glass, Add	25.96	
08 53 13 00-0470 EA 32" x 20", New Construction, Basement Vinyl Window (Silver Line 5900).....	182.60	38.60
For Colored Vinyl, Add	10.54	
For Tinted Glass, Add	12.65	
For Low-E Insulated Glass, Add	26.35	
For Obscure Glass, Add	28.99	
08 53 13 00-0471 EA 32" x 23", New Construction, Basement Vinyl Window (Silver Line 5900).....	188.89	38.60
For Colored Vinyl, Add	11.17	
For Tinted Glass, Add	13.40	
For Low-E Insulated Glass, Add	27.92	
For Obscure Glass, Add	30.71	
08 53 13 00-0472 Replacement, Basement Vinyl Windows (08 53 13 00-0467)		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0473 EA Up To 47" UI, Replacement, Basement Vinyl Window.....	208.99	37.64
For Colored Vinyl, Add	13.37	
For Tinted Glass, Add	16.05	
For Low-E Insulated Glass, Add	33.43	
For Obscure Glass, Add	36.77	
08 53 13 00-0474 EA >47" To 55" UI, Replacement, Basement Vinyl Window	233.94	43.43
For Colored Vinyl, Add	14.71	
For Tinted Glass, Add	17.65	
For Low-E Insulated Glass, Add	36.77	
For Obscure Glass, Add	40.45	
08 53 13 00-0475 UI >55" UI, Replacement, Basement Vinyl Window	3.93	0.62
For Colored Vinyl, Add	0.27	
For Tinted Glass, Add	0.32	
For Low-E Insulated Glass, Add	0.67	
For Obscure Glass, Add	0.73	
08 53 13 00-0476 Accessories For Vinyl Windows (08 53 13)		
08 53 13 00-0477 Factory Installed Grilles For Vinyl Windows (08 53 13 00-0476)		
08 53 13 00-0478 Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows (08 53 13 00-0477)		
08 53 13 00-0479 EA Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	22.02	
08 53 13 00-0480 EA >9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	28.32	
08 53 13 00-0481 EA >18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	36.47	
08 53 13 00-0482 EA >24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	43.05	
08 53 13 00-0483 EA >36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	52.91	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 53 13 00-0484 Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows (08 53 13 00-0477)

08 53 13 00-0485	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	50.05	
08 53 13 00-0486	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	60.06	
08 53 13 00-0487	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	75.80	
08 53 13 00-0488	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	94.39	
08 53 13 00-0489	EA	>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	112.98	

08 53 66 Vinyl Window Screens (08 53)

08 53 66 00-0001 Insect Screens For Vinyl Windows (08 53 66)

08 53 66 00-0002	EA	Up To 6 SF, Insect Screen For Vinyl Windows.....	28.32	7.01
08 53 66 00-0003	EA	>6 To 9 SF, Insect Screen For Vinyl Windows.....	36.90	7.01
08 53 66 00-0004	EA	>9 To 12 SF, Insect Screen For Vinyl Windows.....	39.76	7.01
08 53 66 00-0005	EA	>12 To 15 SF, Insect Screen For Vinyl Windows.....	45.48	7.01
08 53 66 00-0006	EA	>15 To 20 SF, Insect Screen For Vinyl Windows.....	58.35	7.01
08 53 66 00-0007	EA	>20 To 25 SF, Insect Screen For Vinyl Windows.....	64.07	7.01
08 53 66 00-0008	EA	>25 To 30 SF, Insect Screen For Vinyl Windows.....	72.65	7.01
08 53 66 00-0009	EA	>30 To 35 SF, Insect Screen For Vinyl Windows.....	78.37	7.01
08 53 66 00-0010	SF	>35 SF, Insect Screen For Vinyl Windows.....	2.35	0.14

08 56 Special Function Windows (08 50)

08 56 19 Pass Windows (08 56)

08 56 19 00-0001 Bullet Resistant Pass Through Service Window, Steel Frame (08 56 19)

Note: Secure air passage for voice transmission; Natural Voice Transmission (NVR)

08 56 19 00-0002	EA	24" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame.....	2,824.97	539.65
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	45.00	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	295.00	
08 56 19 00-0003	EA	30" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame.....	3,087.61	584.63
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	60.00	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	370.00	
08 56 19 00-0004	EA	36" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame.....	3,257.50	629.60
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	70.00	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	445.00	
08 56 19 00-0005	EA	48" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame.....	4,050.06	719.53
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	100.00	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	650.00	
08 56 19 00-0006	EA	72" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame.....	5,543.63	1,079.31
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	150.00	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	975.00	

08 56 49 Radiation Shielding Windows (08 56)

08 56 49 00-0001 Lead Lined Window Frames (08 56 49)

08 56 49 00-0002	LF	1/16" Lead Lined, 16 Gauge Telescoping Window Frame.....	31.95	7.24
08 56 49 00-0003	LF	1/8" Lead Lined, 16 Gauge Telescoping Window Frame.....	35.65	7.24

08 56 56 Security Window Screens (08 56)

Note: All security window screens include frame and mounting hardware. Operable security screens include hinges and related hardware.

08 56 56 00-0001 Wire Mesh Security Screen (08 56 56)

08 56 56 00-0002 Wire Mesh, Inoperable, Security Window Screen (08 56 56 00-0001)

08 56 56 00-0003	SF	13 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen.....	13.77	4.04
		For Painted Steel, Add	0.84	
		For Galvanized Steel, Add	1.68	
		For Aluminum, Add	3.35	
		For Stainless Steel, Add	14.67	
08 56 56 00-0004	SF	11 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen.....	14.01	4.04
		For Painted Steel, Add	0.86	
		For Galvanized Steel, Add	1.72	
		For Aluminum, Add	3.45	
		For Stainless Steel, Add	15.09	
08 56 56 00-0005	SF	9 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen.....	15.11	4.04
		For Painted Steel, Add	0.97	
		For Galvanized Steel, Add	1.94	
		For Aluminum, Add	3.89	
		For Stainless Steel, Add	17.01	

08 Openings**08 50 Windows****08 56 Special Function Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0006	SF		6 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	17.48	4.04
			<i>For Painted Steel, Add</i>	1.21	
			<i>For Galvanized Steel, Add</i>	2.42	
			<i>For Aluminum, Add</i>	4.84	
			<i>For Stainless Steel, Add</i>	21.16	
08 56 56 00-0007			Wire Mesh, Operable, Security Window Screen (08 56 56 00-0001)		
08 56 56 00-0008	SF		13 Gauge, Wire Mesh, Operable, Steel Security Window Screen	19.12	4.95
			<i>For Painted Steel, Add</i>	1.19	
			<i>For Galvanized Steel, Add</i>	2.39	
			<i>For Aluminum, Add</i>	4.77	
			<i>For Stainless Steel, Add</i>	20.88	
08 56 56 00-0009	SF		11 Gauge, Wire Mesh, Operable, Steel Security Window Screen	19.49	4.95
			<i>For Painted Steel, Add</i>	1.23	
			<i>For Galvanized Steel, Add</i>	2.46	
			<i>For Aluminum, Add</i>	4.92	
			<i>For Stainless Steel, Add</i>	21.53	
08 56 56 00-0010	SF		9 Gauge, Wire Mesh, Operable, Steel Security Window Screen	21.07	4.95
			<i>For Painted Steel, Add</i>	1.39	
			<i>For Galvanized Steel, Add</i>	2.78	
			<i>For Aluminum, Add</i>	5.55	
			<i>For Stainless Steel, Add</i>	24.29	
08 56 56 00-0011	SF		6 Gauge, Wire Mesh, Operable, Steel Security Window Screen	24.39	4.95
			<i>For Painted Steel, Add</i>	1.72	
			<i>For Galvanized Steel, Add</i>	3.44	
			<i>For Aluminum, Add</i>	6.88	
			<i>For Stainless Steel, Add</i>	30.10	
08 56 56 00-0012			Wire Cloth Security Screen (08 56 56)		
			Note: Wire cloth has from 10 to 12 strands per 1".		
08 56 56 00-0013			Wire Cloth, Inoperable, Security Window Screens (08 56 56 00-0012)		
08 56 56 00-0014	SF		24 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	9.50	2.70
			<i>For Painted Steel, Add</i>	0.25	
			<i>For Galvanized Steel, Add</i>	0.75	
			<i>For Aluminum, Add</i>	1.50	
			<i>For Stainless Steel, Add</i>	6.25	
08 56 56 00-0015	SF		22 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	9.83	2.70
			<i>For Painted Steel, Add</i>	0.27	
			<i>For Galvanized Steel, Add</i>	0.80	
			<i>For Aluminum, Add</i>	1.60	
			<i>For Stainless Steel, Add</i>	6.66	
08 56 56 00-0016	SF		20 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	10.36	2.70
			<i>For Painted Steel, Add</i>	0.29	
			<i>For Galvanized Steel, Add</i>	0.88	
			<i>For Aluminum, Add</i>	1.76	
			<i>For Stainless Steel, Add</i>	7.33	
08 56 56 00-0017	SF		18 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	11.37	2.70
			<i>For Painted Steel, Add</i>	0.34	
			<i>For Galvanized Steel, Add</i>	1.03	
			<i>For Aluminum, Add</i>	2.06	
			<i>For Stainless Steel, Add</i>	8.59	
08 56 56 00-0018			Wire Cloth, Operable, Security Window Screens (08 56 56 00-0012)		
08 56 56 00-0019	SF		24 Gauge, Wire Cloth, Operable, Steel Security Window Screen	12.51	3.60
			<i>For Painted Steel, Add</i>	0.36	
			<i>For Galvanized Steel, Add</i>	1.07	
			<i>For Aluminum, Add</i>	2.14	
			<i>For Stainless Steel, Add</i>	8.90	
08 56 56 00-0020	SF		22 Gauge, Wire Cloth, Operable, Steel Security Window Screen	13.03	3.60
			<i>For Painted Steel, Add</i>	0.38	
			<i>For Galvanized Steel, Add</i>	1.15	
			<i>For Aluminum, Add</i>	2.29	
			<i>For Stainless Steel, Add</i>	9.55	
08 56 56 00-0021	SF		20 Gauge, Wire Cloth, Operable, Steel Security Window Screen	13.75	3.60
			<i>For Painted Steel, Add</i>	0.42	
			<i>For Galvanized Steel, Add</i>	1.25	
			<i>For Aluminum, Add</i>	2.51	
			<i>For Stainless Steel, Add</i>	10.45	
08 56 56 00-0022	SF		18 Gauge, Wire Cloth, Operable, Steel Security Window Screen	15.19	3.60
			<i>For Painted Steel, Add</i>	0.49	
			<i>For Galvanized Steel, Add</i>	1.47	
			<i>For Aluminum, Add</i>	2.94	
			<i>For Stainless Steel, Add</i>	12.25	
08 56 56 00-0023			Expanded Metal Security Screen (08 56 56)		
			Note: Flattened or standard pattern. Dimension given is the short distance across the opening (SWO). The # designation is the pattern number of the expanded metal and is not the gauge.		
08 56 56 00-0024			Expanded Metal, Inoperable, Security Screen (08 56 56 00-0023)		



Openings	08	08
Windows	08 50	
Special Function Windows	08 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0025	SF	1/4"	#18, Thickness 0.04" Expanded Metal, Inoperable, Steel Security Window Screen	17.84	6.74
			<i>For Painted Steel, Add</i>	0.49	
			<i>For Galvanized Steel, Add</i>	1.46	
			<i>For Aluminum, Add</i>	2.93	
			<i>For Stainless Steel, Add</i>	12.19	
08 56 56 00-0026	SF	1/2"	#13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen	21.04	8.09
			<i>For Painted Steel, Add</i>	0.56	
			<i>For Galvanized Steel, Add</i>	1.67	
			<i>For Aluminum, Add</i>	3.35	
			<i>For Stainless Steel, Add</i>	13.94	
08 56 56 00-0027	SF	3/4"	#13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen	23.84	9.89
			<i>For Painted Steel, Add</i>	0.61	
			<i>For Galvanized Steel, Add</i>	1.82	
			<i>For Aluminum, Add</i>	3.65	
			<i>For Stainless Steel, Add</i>	15.19	
08 56 56 00-0028	SF	3/4"	#9, Thickness 0.12" Expanded Metal, Inoperable, Steel Security Window Screen	28.27	11.69
			<i>For Painted Steel, Add</i>	0.69	
			<i>For Galvanized Steel, Add</i>	2.08	
			<i>For Aluminum, Add</i>	4.16	
			<i>For Stainless Steel, Add</i>	17.35	
08 56 56 00-0029	SF	1-1/2"	#9, Thickness 0.11" Expanded Metal, Inoperable, Steel Security Window Screen	26.36	11.24
			<i>For Painted Steel, Add</i>	0.64	
			<i>For Galvanized Steel, Add</i>	1.93	
			<i>For Aluminum, Add</i>	3.86	
			<i>For Stainless Steel, Add</i>	16.09	
08 56 56 00-0030	SF	3 LB/SF	Expanded Metal, Inoperable, Steel Security Window Screen	33.28	14.39
			<i>For Painted Steel, Add</i>	0.81	
			<i>For Galvanized Steel, Add</i>	2.43	
			<i>For Aluminum, Add</i>	4.86	
			<i>For Stainless Steel, Add</i>	20.24	
08 56 56 00-0031			Expanded Metal, Operable, Security Screen <small>(08 56 56 00-0023)</small>		
08 56 56 00-0032	SF	1/4"	#18, Thickness 0.04" Expanded Metal, Operable, Steel Security Window Screen	23.77	8.09
			<i>For Painted Steel, Add</i>	0.69	
			<i>For Galvanized Steel, Add</i>	2.08	
			<i>For Aluminum, Add</i>	4.16	
			<i>For Stainless Steel, Add</i>	17.35	
08 56 56 00-0033	SF	1/2"	#13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen	27.59	9.89
			<i>For Painted Steel, Add</i>	0.80	
			<i>For Galvanized Steel, Add</i>	2.39	
			<i>For Aluminum, Add</i>	4.77	
			<i>For Stainless Steel, Add</i>	19.88	
08 56 56 00-0034	SF	3/4"	#13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen	30.83	11.24
			<i>For Painted Steel, Add</i>	0.87	
			<i>For Galvanized Steel, Add</i>	2.60	
			<i>For Aluminum, Add</i>	5.20	
			<i>For Stainless Steel, Add</i>	21.68	
08 56 56 00-0035	SF	1-1/2"	#9, Thickness 0.11" Expanded Metal, Operable, Steel Security Window Screen	33.64	12.59
			<i>For Painted Steel, Add</i>	0.92	
			<i>For Galvanized Steel, Add</i>	2.75	
			<i>For Aluminum, Add</i>	5.51	
			<i>For Stainless Steel, Add</i>	22.94	
08 56 56 00-0036	SF	3/4"	#9, Thickness 0.12" Expanded Metal, Operable, Steel Security Window Screen	36.87	14.39
			<i>For Painted Steel, Add</i>	0.99	
			<i>For Galvanized Steel, Add</i>	2.97	
			<i>For Aluminum, Add</i>	5.93	
			<i>For Stainless Steel, Add</i>	24.73	
08 56 56 00-0037	SF	3 LB/SF	Expanded Metal, Operable, Steel Security Window Screen	41.95	15.74
			<i>For Painted Steel, Add</i>	1.15	
			<i>For Galvanized Steel, Add</i>	3.46	
			<i>For Aluminum, Add</i>	6.92	
			<i>For Stainless Steel, Add</i>	28.83	
08 56 56 00-0038			Perforated Metal Security Screen <small>(08 56 56)</small>		
08 56 56 00-0039			Perforated Metal, Inoperable, Steel Security Window Screen <small>(08 56 56 00-0038)</small>		
08 56 56 00-0040	SF	22 Gauge	Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	15.09	4.04
			<i>For Painted Steel, Add</i>	0.49	
			<i>For Galvanized Steel, Add</i>	1.46	
			<i>For Aluminum, Add</i>	2.91	
			<i>For Stainless Steel, Add</i>	9.70	
08 56 56 00-0041	SF	20 Gauge	Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	15.48	4.04
			<i>For Painted Steel, Add</i>	0.50	
			<i>For Galvanized Steel, Add</i>	1.51	
			<i>For Aluminum, Add</i>	3.03	
			<i>For Stainless Steel, Add</i>	10.09	
08 56 56 00-0042	SF	18 Gauge	Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	16.78	4.04
			<i>For Painted Steel, Add</i>	0.57	
			<i>For Galvanized Steel, Add</i>	1.71	
			<i>For Aluminum, Add</i>	3.42	
			<i>For Stainless Steel, Add</i>	11.39	

08 Openings**08 50 Windows****08 56 Special Function Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0043 SF 16 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	19.23	4.04
For Painted Steel, Add	0.69	
For Galvanized Steel, Add	2.08	
For Aluminum, Add	4.15	
For Stainless Steel, Add	13.84	
08 56 56 00-0044 Perforated Metal, Operable, Steel Security Window Screen (08 56 00-0038)		
08 56 56 00-0045 SF 22 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen.....	20.98	4.95
For Painted Steel, Add	0.69	
For Galvanized Steel, Add	2.07	
For Aluminum, Add	4.14	
For Stainless Steel, Add	13.79	
08 56 56 00-0046 SF 20 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen.....	21.65	4.95
For Painted Steel, Add	0.72	
For Galvanized Steel, Add	2.17	
For Aluminum, Add	4.34	
For Stainless Steel, Add	14.46	
08 56 56 00-0047 SF 18 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen.....	23.33	4.95
For Painted Steel, Add	0.81	
For Galvanized Steel, Add	2.42	
For Aluminum, Add	4.84	
For Stainless Steel, Add	16.14	
08 56 56 00-0048 SF 16 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen.....	26.84	4.95
For Painted Steel, Add	0.98	
For Galvanized Steel, Add	2.95	
For Aluminum, Add	5.90	
For Stainless Steel, Add	19.65	
08 56 56 00-0049 Remove And Reinstall Security Screens And Guards (08 56 56)		
08 56 56 00-0050 SF Removal And Reinstallation Of Security Screens	11.29	

08 60 Roof Windows And Skylights (08)

Note: Includes hardware, caulk, sealant and necessary anchors.

08 62 Unit Skylights (08 60)**08 62 23 Tubular Skylights (08 62)****08 62 23 00-0001 Aluminum Framed Solar Tube Skylights (08 62 23)**

Note: Includes knock down curb with safety security guard, class 1 hail rated double glazed skylight, light shaft top trim, reflective light well, T-bar ceiling frame, acrylic diffuser lens and lens clip.

08 62 23 00-0002 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights (08 62 23 00-0001)

08 62 23 00-0003 EA 2' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	824.09	156.96
For Class 3 Hail Rated, Add	4.00	
For Polycarbonate Diffuser Lens, Add	7.00	
For High Velocity Hurricane Zone Rated, Add	14.00	
For FM Approved, Add	20.00	
For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
For Single Blade Louver, Add	575.89	
08 62 23 00-0004 EA 3' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	867.47	160.88
For Class 3 Hail Rated, Add	4.00	
For Polycarbonate Diffuser Lens, Add	7.00	
For High Velocity Hurricane Zone Rated, Add	14.00	
For FM Approved, Add	20.00	
For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
For Single Blade Louver, Add	576.68	
08 62 23 00-0005 EA 4' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	909.63	164.81
For Class 3 Hail Rated, Add	4.00	
For Polycarbonate Diffuser Lens, Add	7.00	
For High Velocity Hurricane Zone Rated, Add	14.00	
For FM Approved, Add	20.00	
For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
For Single Blade Louver, Add	577.46	
08 62 23 00-0006 EA 5' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	968.38	168.74
For Class 3 Hail Rated, Add	4.00	
For Polycarbonate Diffuser Lens, Add	7.00	
For High Velocity Hurricane Zone Rated, Add	14.00	
For FM Approved, Add	20.00	
For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
For Single Blade Louver, Add	578.25	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0007	EA			6' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,020.02	172.66
				<i>For Class 3 Hail Rated, Add</i>	4.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
				<i>For FM Approved, Add</i>	20.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
				<i>For Single Blade Louver, Add</i>	579.03	
08 62 23 00-0008	EA			7' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,062.21	176.59
				<i>For Class 3 Hail Rated, Add</i>	4.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
				<i>For FM Approved, Add</i>	20.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
				<i>For Single Blade Louver, Add</i>	579.82	
08 62 23 00-0009	EA			8' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,104.38	180.51
				<i>For Class 3 Hail Rated, Add</i>	4.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
				<i>For FM Approved, Add</i>	20.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
				<i>For Single Blade Louver, Add</i>	580.60	
08 62 23 00-0010	EA			9' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,172.59	184.43
				<i>For Class 3 Hail Rated, Add</i>	4.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
				<i>For FM Approved, Add</i>	20.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
				<i>For Single Blade Louver, Add</i>	581.39	
08 62 23 00-0011	EA			10' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,214.77	188.35
				<i>For Class 3 Hail Rated, Add</i>	4.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
				<i>For FM Approved, Add</i>	20.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
				<i>For Single Blade Louver, Add</i>	582.17	
08 62 23 00-0012	EA			11' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,258.13	192.28
				<i>For Class 3 Hail Rated, Add</i>	4.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
				<i>For FM Approved, Add</i>	20.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
				<i>For Single Blade Louver, Add</i>	582.96	
08 62 23 00-0013	EA			12' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,300.31	196.20
				<i>For Class 3 Hail Rated, Add</i>	4.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
				<i>For FM Approved, Add</i>	20.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
				<i>For Single Blade Louver, Add</i>	583.74	
08 62 23 00-0014	EA			13' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,368.52	200.13
				<i>For Class 3 Hail Rated, Add</i>	4.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
				<i>For FM Approved, Add</i>	20.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
				<i>For Single Blade Louver, Add</i>	584.53	
08 62 23 00-0015	EA			14' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,410.69	204.05
				<i>For Class 3 Hail Rated, Add</i>	4.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
				<i>For FM Approved, Add</i>	20.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
				<i>For Single Blade Louver, Add</i>	585.31	

08 Openings**08 60 Roof Windows And Skylights****08 62 Unit Skylights**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0016	EA		15' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,452.87	207.98
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	586.10	
08 62 23 00-0017	EA		16' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,495.05	211.90
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	586.88	
08 62 23 00-0018			31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights <small>(08 62 23 00-0001)</small>		
08 62 23 00-0019	EA		2' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	983.89	156.96
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	575.89	
08 62 23 00-0020	EA		3' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,042.65	160.88
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	576.68	
08 62 23 00-0021	EA		4' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,101.39	164.81
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	577.46	
08 62 23 00-0022	EA		5' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,160.14	168.74
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	578.25	
08 62 23 00-0023	EA		6' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,254.39	172.66
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	579.03	
08 62 23 00-0024	EA		7' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,313.15	176.59
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	579.82	
08 62 23 00-0025	EA		8' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,371.90	180.51
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	580.60	



Openings	08
Roof Windows And Skylights	08 60
Unit Skylights	08 62

08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0026 EA 9' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,466.15	184.43
<i>For Class 3 Hail Rated, Add</i>	5.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	22.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
<i>For Single Blade Louver, Add</i>	581.39	
08 62 23 00-0027 EA 10' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,524.90	188.35
<i>For Class 3 Hail Rated, Add</i>	5.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	22.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
<i>For Single Blade Louver, Add</i>	582.17	
08 62 23 00-0028 EA 11' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,583.65	192.28
<i>For Class 3 Hail Rated, Add</i>	5.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	22.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
<i>For Single Blade Louver, Add</i>	582.96	
08 62 23 00-0029 EA 12' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,642.40	196.20
<i>For Class 3 Hail Rated, Add</i>	5.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	22.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
<i>For Single Blade Louver, Add</i>	583.74	
08 62 23 00-0030 EA 13' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,736.65	200.13
<i>For Class 3 Hail Rated, Add</i>	5.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	22.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
<i>For Single Blade Louver, Add</i>	584.53	
08 62 23 00-0031 EA 14' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,795.40	204.05
<i>For Class 3 Hail Rated, Add</i>	5.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	22.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
<i>For Single Blade Louver, Add</i>	585.31	
08 62 23 00-0032 EA 15' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,854.15	207.98
<i>For Class 3 Hail Rated, Add</i>	5.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	22.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
<i>For Single Blade Louver, Add</i>	586.10	
08 62 23 00-0033 EA 16' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,912.89	211.90
<i>For Class 3 Hail Rated, Add</i>	5.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	22.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
<i>For Single Blade Louver, Add</i>	586.88	
08 62 23 00-0034 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights <small>(08 62 23 00-0001)</small>		
08 62 23 00-0035 EA 2' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,298.95	176.59
<i>For Class 3 Hail Rated, Add</i>	10.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
<i>For FM Approved, Add</i>	36.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
<i>For Single Blade Louver, Add</i>	579.82	

08 Openings**08 60 Roof Windows And Skylights****08 62 Unit Skylights**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 62 23 00-0036	EA 3' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,380.19	180.51
	<i>For Class 3 Hail Rated, Add</i>	10.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
	<i>For FM Approved, Add</i>	36.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
	<i>For Single Blade Louver, Add</i>	580.60	
08 62 23 00-0037	EA 4' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,462.60	184.43
	<i>For Class 3 Hail Rated, Add</i>	10.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
	<i>For FM Approved, Add</i>	36.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
	<i>For Single Blade Louver, Add</i>	581.39	
08 62 23 00-0038	EA 5' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,543.84	188.35
	<i>For Class 3 Hail Rated, Add</i>	10.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
	<i>For FM Approved, Add</i>	36.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
	<i>For Single Blade Louver, Add</i>	582.17	
08 62 23 00-0039	EA 6' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,672.43	192.28
	<i>For Class 3 Hail Rated, Add</i>	10.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
	<i>For FM Approved, Add</i>	36.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
	<i>For Single Blade Louver, Add</i>	582.96	
08 62 23 00-0040	EA 7' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,753.67	196.20
	<i>For Class 3 Hail Rated, Add</i>	10.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
	<i>For FM Approved, Add</i>	36.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
	<i>For Single Blade Louver, Add</i>	583.74	
08 62 23 00-0041	EA 8' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,834.89	200.13
	<i>For Class 3 Hail Rated, Add</i>	10.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
	<i>For FM Approved, Add</i>	36.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
	<i>For Single Blade Louver, Add</i>	584.53	
08 62 23 00-0042	EA 9' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,964.67	204.05
	<i>For Class 3 Hail Rated, Add</i>	10.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
	<i>For FM Approved, Add</i>	36.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
	<i>For Single Blade Louver, Add</i>	585.31	
08 62 23 00-0043	EA 10' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,045.90	207.98
	<i>For Class 3 Hail Rated, Add</i>	10.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
	<i>For FM Approved, Add</i>	36.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
	<i>For Single Blade Louver, Add</i>	586.10	
08 62 23 00-0044	EA 11' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,127.14	211.90
	<i>For Class 3 Hail Rated, Add</i>	10.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
	<i>For FM Approved, Add</i>	36.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
	<i>For Single Blade Louver, Add</i>	586.88	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0045	EA			12' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,208.38	215.82
				<i>For Class 3 Hail Rated, Add</i>	10.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
				<i>For FM Approved, Add</i>	36.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
				<i>For Single Blade Louver, Add</i>	587.67	
08 62 23 00-0046	EA			13' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,336.96	219.75
				<i>For Class 3 Hail Rated, Add</i>	10.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
				<i>For FM Approved, Add</i>	36.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
				<i>For Single Blade Louver, Add</i>	588.45	
08 62 23 00-0047	EA			14' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,418.21	223.67
				<i>For Class 3 Hail Rated, Add</i>	10.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
				<i>For FM Approved, Add</i>	36.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
				<i>For Single Blade Louver, Add</i>	589.24	
08 62 23 00-0048	EA			15' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,500.62	227.59
				<i>For Class 3 Hail Rated, Add</i>	10.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
				<i>For FM Approved, Add</i>	36.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
				<i>For Single Blade Louver, Add</i>	590.02	
08 62 23 00-0049	EA			16' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,581.86	231.52
				<i>For Class 3 Hail Rated, Add</i>	10.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
				<i>For FM Approved, Add</i>	36.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
				<i>For Single Blade Louver, Add</i>	590.80	

08 63 Metal-Framed Skylights (08 60)

08 63 13 Domed Metal-Framed Skylights (08 63)

08 63 13 00-0001	Aluminum Framed Skylights	<small>(08 63 13)</small>	
08 63 13 00-0002	Fixed Dome, Aluminum Framed Skylights	<small>(08 63 13 00-0001)</small>	
08 63 13 00-0003	Industrial Style Fixed Dome, Aluminum Framed Skylights	<small>(08 63 13 00-0002)</small>	
08 63 13 00-0004	Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights	<small>(08 63 13 00-0003)</small>	
	<small>Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.</small>		
08 63 13 00-0005	EA 27-1/4" x 27-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	300.01	78.49
08 63 13 00-0006	EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	340.71	78.49
08 63 13 00-0007	EA 27-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	456.87	88.29
08 63 13 00-0008	EA 27-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	516.02	98.10
08 63 13 00-0009	EA 39-1/4" x 39-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	361.65	78.49
08 63 13 00-0010	EA 39-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	441.75	88.29
08 63 13 00-0011	EA 39-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	467.34	88.29
08 63 13 00-0012	EA 39-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	536.96	98.10
08 63 13 00-0013	EA 39-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	624.03	107.91
08 63 13 00-0014	EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	446.41	88.29
08 63 13 00-0015	EA 51-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	493.93	98.10
08 63 13 00-0016	EA 51-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	542.77	98.10

08 Openings**08 60 Roof Windows And Skylights**

08 63 Metal-Framed Skylights



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0017	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	597.28	107.91
08 63 13 00-0018	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	661.11	117.72
08 63 13 00-0019	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	742.36	127.54
08 63 13 00-0020	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	528.82	98.10
08 63 13 00-0021	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	582.16	107.91
08 63 13 00-0022	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	662.27	117.72
08 63 13 00-0023	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	692.51	117.72
08 63 13 00-0024	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	797.02	127.54
08 63 13 00-0025		Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights <small>(08 63 13 00-0003)</small>		
		Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0026	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	358.16	78.49
08 63 13 00-0027	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	397.70	78.49
08 63 13 00-0028	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	502.23	88.29
08 63 13 00-0029	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	562.54	98.10
08 63 13 00-0030	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	403.52	78.49
08 63 13 00-0031	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	474.32	88.29
08 63 13 00-0032	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	502.23	88.29
08 63 13 00-0033	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	576.50	98.10
08 63 13 00-0034	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	647.29	107.91
08 63 13 00-0035	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	478.97	88.29
08 63 13 00-0036	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	531.14	98.10
08 63 13 00-0037	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	562.54	98.10
08 63 13 00-0038	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	619.38	107.91
08 63 13 00-0039	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	672.74	117.72
08 63 13 00-0040	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	755.15	127.54
08 63 13 00-0041	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	567.20	98.10
08 63 13 00-0042	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	624.03	107.91
08 63 13 00-0043	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	686.69	117.72
08 63 13 00-0044	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	719.26	117.72
08 63 13 00-0045	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	814.46	127.54
08 63 13 00-0046		High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights <small>(08 63 13 00-0003)</small>		
		Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0047	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	362.81	78.49
08 63 13 00-0048	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	407.00	78.49
08 63 13 00-0049	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	515.02	88.29
08 63 13 00-0050	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	415.15	78.49
08 63 13 00-0051	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	490.60	88.29
08 63 13 00-0052	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	515.02	88.29
08 63 13 00-0053	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	590.46	98.10



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0054	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	489.44	88.29
08 63 13 00-0055	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	540.45	98.10
08 63 13 00-0056	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	577.66	98.10
08 63 13 00-0057	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	634.50	107.91
08 63 13 00-0058	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	691.35	117.72
08 63 13 00-0059	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	581.15	98.10
08 63 13 00-0060	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	642.64	107.91
08 63 13 00-0061	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	705.30	117.72
08 63 13 00-0062	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	737.87	117.72
08 63 13 00-0063		FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights <small>(08 63 13 00-0003)</small> Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0064	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	370.95	78.49
08 63 13 00-0065	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	419.80	78.49
08 63 13 00-0066	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	526.65	88.29
08 63 13 00-0067	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	604.41	98.10
08 63 13 00-0068	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	426.78	78.49
08 63 13 00-0069	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	501.07	88.29
08 63 13 00-0070	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	526.65	88.29
08 63 13 00-0071	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	607.90	98.10
08 63 13 00-0072	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	502.23	88.29
08 63 13 00-0073	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	553.24	98.10
08 63 13 00-0074	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	593.95	98.10
08 63 13 00-0075	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	651.94	107.91
08 63 13 00-0076	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	709.95	117.72
08 63 13 00-0077	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	598.60	98.10
08 63 13 00-0078	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	660.09	107.91
08 63 13 00-0079	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	723.91	117.72
08 63 13 00-0080	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	758.80	117.72
08 63 13 00-0081		Curb Top Inserts <small>(08 63 13 00-0003)</small> Note: For use with industrial style fixed dome skylights for better u-value and solar heat gain coefficient/shading coefficient (SHGC/SC) properties. Includes mill finish aluminum frame and acrylic or polycarbonate glazing. Excludes roof curb.		
08 63 13 00-0082		Single Glazed, Aluminum Framed Curb Top Inserts <small>(08 63 13 00-0081)</small>		
08 63 13 00-0083	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	121.10	39.24
08 63 13 00-0084	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	165.23	44.15
08 63 13 00-0085	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	273.97	58.86
08 63 13 00-0086	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	253.51	53.96
08 63 13 00-0087	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	307.11	58.86
08 63 13 00-0088		Double Glazed, Aluminum Framed Curb Top Inserts <small>(08 63 13 00-0081)</small>		
08 63 13 00-0089	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	169.63	39.24
08 63 13 00-0090	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	258.74	44.15
08 63 13 00-0091	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	443.24	58.86
08 63 13 00-0092	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	433.43	53.96
08 63 13 00-0093	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	541.48	58.86
08 63 13 00-0094		Triple Glazed, Aluminum Framed Curb Top Inserts <small>(08 63 13 00-0081)</small>		
08 63 13 00-0095	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	216.98	39.24

08 Openings**08 60 Roof Windows And Skylights****08 63 Metal-Framed Skylights**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0096 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	347.52	44.15
08 63 13 00-0097 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	651.57	58.86
08 63 13 00-0098 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	601.51	53.96
08 63 13 00-0099 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	759.29	58.86
08 63 13 00-0100 Pyramid Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0002)		
08 63 13 00-0101 Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight (08 63 13 00-0100) Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0102 EA 27-1/4" x 27-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	279.08	78.49
08 63 13 00-0103 EA 39-1/4" x 39-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	329.08	78.49
08 63 13 00-0104 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	413.84	88.29
08 63 13 00-0105 EA 63-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	516.02	98.10
08 63 13 00-0106 Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight (08 63 13 00-0100) Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0107 EA 27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	369.79	78.49
08 63 13 00-0108 EA 39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	422.12	78.49
08 63 13 00-0109 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	498.74	88.29
08 63 13 00-0110 EA 63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	593.95	98.10
08 63 13 00-0111 Double Hip Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0002)		
08 63 13 00-0112 Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight (08 63 13 00-0111) Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0113 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	322.11	78.49
08 63 13 00-0114 EA 27-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	421.98	88.29
08 63 13 00-0115 EA 27-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	497.42	98.10
08 63 13 00-0116 EA 39-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	397.56	88.29
08 63 13 00-0117 EA 39-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	421.98	88.29
08 63 13 00-0118 EA 39-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	511.37	98.10
08 63 13 00-0119 EA 39-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	599.61	107.91
08 63 13 00-0120 EA 51-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	462.53	98.10
08 63 13 00-0121 EA 51-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	497.42	98.10
08 63 13 00-0122 EA 51-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	555.42	107.91
08 63 13 00-0123 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	609.94	117.72
08 63 13 00-0124 EA 52-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	716.77	127.54
08 63 13 00-0125 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	569.37	107.91
08 63 13 00-0126 EA 63-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	644.83	117.72
08 63 13 00-0127 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	680.88	117.72
08 63 13 00-0128 EA 63-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	784.22	127.54
08 63 13 00-0129 Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight (08 63 13 00-0111) Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0130 EA 27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	361.65	78.49



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0131 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	403.52	78.49
08 63 13 00-0132 EA 27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	508.05	88.29
08 63 13 00-0133 EA 39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	411.66	78.49
08 63 13 00-0134 EA 39-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	461.53	88.29
08 63 13 00-0135 EA 39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	483.62	88.29
08 63 13 00-0136 EA 39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	508.05	88.29
08 63 13 00-0137 EA 39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	584.64	98.10
08 63 13 00-0138 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	484.79	88.29
08 63 13 00-0139 EA 51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	535.80	98.10
08 63 13 00-0140 EA 51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	570.69	98.10
08 63 13 00-0141 EA 51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	626.36	107.91
08 63 13 00-0142 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	682.04	117.72
08 63 13 00-0143 EA 63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	573.01	98.10
08 63 13 00-0144 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	634.50	107.91
08 63 13 00-0145 EA 63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	696.00	117.72
08 63 13 00-0146 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	727.40	117.72
08 63 13 00-0147 Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 13 00-0111)</small>		
<small>Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.</small>		
08 63 13 00-0148 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	400.03	78.49
08 63 13 00-0149 EA 27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	523.16	88.29
08 63 13 00-0150 EA 39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	496.41	88.29
08 63 13 00-0151 EA 39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	523.16	88.29
08 63 13 00-0152 EA 39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	603.25	98.10
08 63 13 00-0153 EA 51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	549.75	98.10
08 63 13 00-0154 EA 51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	588.13	98.10
08 63 13 00-0155 EA 51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	647.29	107.91
08 63 13 00-0156 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	700.65	117.72
08 63 13 00-0157 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	655.43	107.91
08 63 13 00-0158 EA 63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	719.26	117.72
08 63 13 00-0159 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	752.99	117.72
08 63 13 00-0160 Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0001)</small>		
08 63 13 00-0161 Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0160)</small>		
<small>Note: UL listed or FM approved. Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, curb seal tape, weather sweep, fasteners, fusible link with a minimum temperature rating of 165 degrees, gas shocks and exterior manual release cable for testing.</small>		
08 63 13 00-0162 Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0161)</small>		
08 63 13 00-0163 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0162)</small>		
08 63 13 00-0164 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	1,593.83	117.72
08 63 13 00-0165 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	1,488.00	117.72
08 63 13 00-0166 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	1,671.75	117.72

08 Openings**08 60 Roof Windows And Skylights****08 63 Metal-Framed Skylights**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0167		25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0162)		
08 63 13 00-0168	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	2,057.87	117.72
08 63 13 00-0169	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,956.69	117.72
08 63 13 00-0170	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	2,163.70	117.72
08 63 13 00-0171		30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0162)		
08 63 13 00-0172	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	2,191.62	117.72
08 63 13 00-0173	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	2,088.11	117.72
08 63 13 00-0174	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	2,295.12	117.72
08 63 13 00-0175		Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0161)		
08 63 13 00-0176		10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0175)		
08 63 13 00-0177	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,600.81	117.72
08 63 13 00-0178	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,494.98	117.72
08 63 13 00-0179	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,682.22	117.72
08 63 13 00-0180		25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0175)		
08 63 13 00-0181	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	2,067.17	117.72
08 63 13 00-0182	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,963.67	117.72
08 63 13 00-0183	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	2,175.33	117.72
08 63 13 00-0184		30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0175)		
08 63 13 00-0185	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	2,198.59	117.72
08 63 13 00-0186	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	2,095.09	117.72
08 63 13 00-0187	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	2,306.75	117.72
08 66		Wood-Framed Skylights (08 60)		
08 66 00 00-0001		Wood-Framed Skylights (Andersen 400 Series) (08 66)		
08 66 00 00-0002	EA	16-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	457.25	120.63
		For Tempered Laminated Low-E Insulated Glass, Add	54.00	
		For Aluminum Shingle Flashing, Add	43.20	
08 66 00 00-0003	EA	16-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	466.07	120.63
		For Tempered Laminated Low-E Insulated Glass, Add	56.21	
		For Aluminum Shingle Flashing, Add	44.96	
08 66 00 00-0004	EA	24-1/2" x 27", Domed, Wood-Framed Skylight (Andersen 400 Series)	445.13	120.63
		For Tempered Laminated Low-E Insulated Glass, Add	50.97	
		For Aluminum Shingle Flashing, Add	40.78	
08 66 00 00-0005	EA	24-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	472.68	120.63
		For Tempered Laminated Low-E Insulated Glass, Add	57.86	
		For Aluminum Shingle Flashing, Add	46.29	
08 66 00 00-0006	EA	24-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	495.83	120.63
		For Tempered Laminated Low-E Insulated Glass, Add	63.65	
		For Aluminum Shingle Flashing, Add	50.92	
08 66 00 00-0007	EA	24-1/2" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series)	533.30	120.63
		For Tempered Laminated Low-E Insulated Glass, Add	73.01	
		For Aluminum Shingle Flashing, Add	58.41	
08 66 00 00-0008	EA	24-1/2" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series)	580.69	120.63
		For Tempered Laminated Low-E Insulated Glass, Add	84.86	
		For Aluminum Shingle Flashing, Add	67.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 66 00 00-0009 EA 27" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	445.13 50.97 40.78	120.63
08 66 00 00-0010 EA 28" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	501.34 65.02 52.02	120.63
08 66 00 00-0011 EA 28" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	533.30 73.01 58.41	120.63
08 66 00 00-0012 EA 28" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	569.67 82.11 65.68	120.63
08 66 00 00-0013 EA 28" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	618.16 94.23 75.38	120.63
08 66 00 00-0014 EA 38" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	457.25 54.00 43.20	120.63
08 66 00 00-0015 EA 38" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	472.68 57.86 46.29	120.63
08 66 00 00-0016 EA 38" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	501.34 65.02 52.02	120.63
08 66 00 00-0017 EA 44" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	602.73 90.37 72.30	120.63
08 66 00 00-0018 EA 46" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	466.07 56.21 44.96	120.63
08 66 00 00-0019 EA 46" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	495.83 63.65 50.92	120.63
08 66 00 00-0020 EA 46" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	533.30 73.01 58.41	120.63
08 66 00 00-0021 EA 46" x 44", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	602.73 90.37 72.30	120.63
08 66 00 00-0022 EA 57" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	533.30 73.01 58.41	120.63
08 66 00 00-0023 EA 57" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	569.67 82.11 65.68	120.63
08 66 00 00-0024 EA 72" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	580.69 84.86 67.89	120.63
08 66 00 00-0025 EA 72" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	618.16 94.23 75.38	120.63

08 70 Hardware ⁽⁰⁸⁾

08 71 Door Hardware ^(08 70)

08 71 11 Door Hardware ^(08 71)

Note: All hardware is ANSI/BHMA Grade 1 unless otherwise noted. See CSI section 08 05 13 00-0041 for removal and reinstallation of existing door where required for modifications.

08 71 11 00-0001 Hinges ^(08 71 11)

Note: Unit of measure "PR" indicates that two (2) sets of hinges (top and bottom) are priced. For doors with three (3) sets of hinges (top, middle and bottom), use 1.5 pairs. Excludes mortise preparation for wood doors.

08 71 11 00-0002 Brass/Bronze, Satin Chrome Finish Hinges ^(08 71 11 00-0001)

Note: US26D (BHMA 626) satin chrome finish.

08 71 11 00-0003 Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinges ^(08 71 11 00-0002)

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0004 PR 3-1/2" x 3-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	69.48	6.76
<i>For Clear Coated Bright Brass, Add</i>	4.73	
<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0005 PR 4" x 4" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	76.17	9.65
<i>For Clear Coated Bright Brass, Add</i>	5.26	
<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0006 PR 4-1/2" x 4-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	86.56	10.62
<i>For Clear Coated Bright Brass, Add</i>	4.40	
<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	

08 71 11 00-0007 Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges ^(08 71 11 00-0002)

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0008 PR 3-1/2" x 3-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	79.71	6.76
For Clear Coated Bright Brass, Add	6.06	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0009 PR 4" x 4" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	91.55	9.65
For Clear Coated Bright Brass, Add	6.06	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0010 PR 4-1/2" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	93.41	10.62
For Clear Coated Bright Brass, Add	5.36	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0011 PR 5" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	109.11	12.55
For Clear Coated Bright Brass, Add	6.27	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0012 PR 5" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	109.79	12.55
For Clear Coated Bright Brass, Add	6.36	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0013 PR 6" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	117.58	16.12
For Clear Coated Bright Brass, Add	7.46	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0014 Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges (08 71 11 00-0002)		
Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0015 PR 3-1/2" x 3-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	90.16	6.76
08 71 11 00-0016 PR 4" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	101.99	9.65
08 71 11 00-0017 PR 4-1/2" x 4-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	104.76	10.62
08 71 11 00-0018 PR 5" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	121.63	12.55
08 71 11 00-0019 Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges (08 71 11 00-0002)		
Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.		
08 71 11 00-0020 PR 4-1/2" x 4-1/2" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	177.21	10.62
For Clear Coated Bright Brass, Add	17.09	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0021 PR 5" x 4" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	199.81	12.55
For Clear Coated Bright Brass, Add	18.97	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0022 PR 5" x 5" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	95.93	12.55
For Clear Coated Bright Brass, Add	4.42	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0023 Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges (08 71 11 00-0002)		
Note: Set into mortised edge of the door and surface applied to the face of the frame.		
08 71 11 00-0024 PR 4-1/2" x 4-1/2" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	161.60	10.62
For Clear Coated Bright Brass, Add	14.90	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0025 PR 5" x 4" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	190.69	12.55
For Clear Coated Bright Brass, Add	17.69	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0026 Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze Satin Chrome Finish Hinge (08 71 11 00-0002)		
Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0027 PR 4-1/2" x 4-1/2" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	115.58	10.62
For Clear Coated Bright Brass, Add	8.46	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0028 PR 5" x 5" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	133.63	16.12
For Clear Coated Bright Brass, Add	9.70	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0029 PR 6" x 5" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	181.75	16.12
For Clear Coated Bright Brass, Add	16.44	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0030 Mortised, Wrought Steel Hinges (08 71 11 00-0001)		
Note: Clear coated, US 26D satin chrome finish (BHMA 652).		
08 71 11 00-0031 Full Mortise, Plain Bearing, Wrought Steel Hinges (08 71 11 00-0030)		
Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0032 PR 3-1/2" x 3-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge.....	45.23	6.76
For Primed For Paint Finish, Deduct	-1.76	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	1.10	
For Satin Brass Plated Clear Coated Finish, Deduct	-1.06	
For Stainless Steel, Add	4.85	
For Heavy Duty, Add	1.32	
For Extra Heavy Duty, Add	3.53	
For Pair Of Non-Removable Pins (NRP), Add	6.00	



Openings	08	08
Hardware	08 70	
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0033	PR		4" x 4", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge.....	57.98	9.65
			<i>For Primed For Paint Finish, Deduct</i>	-1.95	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	1.22	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-1.17	
			<i>For Stainless Steel, Add</i>	5.35	
			<i>For Heavy Duty, Add</i>	1.46	
			<i>For Extra Heavy Duty, Add</i>	3.89	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0034	PR		4-1/2" x 4-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge.....	67.00	10.62
			<i>For Primed For Paint Finish, Deduct</i>	-2.37	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	1.48	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-1.42	
			<i>For Stainless Steel, Add</i>	6.52	
			<i>For Heavy Duty, Add</i>	1.78	
			<i>For Extra Heavy Duty, Add</i>	4.74	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0035			Full Mortise, Ball Bearing, Wrought Steel Hinges <small>(08 71 11 00-0030)</small>		
			Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0036	PR		3-1/2" x 3-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	68.56	6.76
			<i>For Primed For Paint Finish, Deduct</i>	-6.43	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	4.02	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-3.86	
			<i>For Stainless Steel, Add</i>	17.68	
			<i>For Heavy Duty, Add</i>	4.82	
			<i>For Extra Heavy Duty, Add</i>	12.86	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0037	PR		4" x 4", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	84.65	9.65
			<i>For Primed For Paint Finish, Deduct</i>	-7.28	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	4.55	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-4.37	
			<i>For Stainless Steel, Add</i>	20.02	
			<i>For Heavy Duty, Add</i>	5.46	
			<i>For Extra Heavy Duty, Add</i>	14.56	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0038	PR		4-1/2" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	99.24	10.62
			<i>For Primed For Paint Finish, Deduct</i>	-8.82	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	5.51	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-5.29	
			<i>For Stainless Steel, Add</i>	24.26	
			<i>For Heavy Duty, Add</i>	6.62	
			<i>For Extra Heavy Duty, Add</i>	17.64	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0039	PR		5" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	117.55	12.55
			<i>For Primed For Paint Finish, Deduct</i>	-10.64	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	6.65	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-6.39	
			<i>For Stainless Steel, Add</i>	29.27	
			<i>For Heavy Duty, Add</i>	7.98	
			<i>For Extra Heavy Duty, Add</i>	21.29	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0040	PR		5" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	125.06	12.55
			<i>For Primed For Paint Finish, Deduct</i>	-12.15	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	7.59	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-7.29	
			<i>For Stainless Steel, Add</i>	33.40	
			<i>For Heavy Duty, Add</i>	9.11	
			<i>For Extra Heavy Duty, Add</i>	24.29	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0041	PR		6" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	147.97	12.55
			<i>For Primed For Paint Finish, Deduct</i>	-16.73	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	10.46	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-10.04	
			<i>For Stainless Steel, Add</i>	46.00	
			<i>For Heavy Duty, Add</i>	12.55	
			<i>For Extra Heavy Duty, Add</i>	33.46	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0042			Half Surface, Plain Bearing, Wrought Steel Hinges <small>(08 71 11 00-0030)</small>		
			Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.		
08 71 11 00-0043	PR		3-1/2" x 3-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	82.03	6.76
			<i>For Primed For Paint Finish, Deduct</i>	-9.12	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	5.70	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-5.47	
			<i>For Stainless Steel, Add</i>	25.09	
			<i>For Heavy Duty, Add</i>	6.84	
			<i>For Extra Heavy Duty, Add</i>	18.25	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0044	PR		4" x 4", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	99.95	9.65
			<i>For Primed For Paint Finish, Deduct</i>	-10.34	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	6.46	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-6.20	
			<i>For Stainless Steel, Add</i>	28.44	
			<i>For Heavy Duty, Add</i>	7.76	
			<i>For Extra Heavy Duty, Add</i>	20.68	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0045	PR		4-1/2" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	112.92	10.62
			<i>For Primed For Paint Finish, Deduct</i>	-11.56	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	7.22	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-6.93	
			<i>For Stainless Steel, Add</i>	31.78	
			<i>For Heavy Duty, Add</i>	8.67	
			<i>For Extra Heavy Duty, Add</i>	23.11	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0046	PR		5" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	128.20	12.55
			<i>For Primed For Paint Finish, Deduct</i>	-12.77	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	7.98	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-7.66	
			<i>For Stainless Steel, Add</i>	35.13	
			<i>For Heavy Duty, Add</i>	9.58	
			<i>For Extra Heavy Duty, Add</i>	25.55	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0047			Half Surface, Ball Bearing, Wrought Steel Hinges (08 71 11 00-0030)		
			Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.		
08 71 11 00-0048	PR		4" x 4", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge.....	113.64	10.62
			<i>For Primed For Paint Finish, Deduct</i>	-13.08	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	8.17	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-7.85	
			<i>For Stainless Steel, Add</i>	35.96	
			<i>For Heavy Duty, Add</i>	9.81	
			<i>For Extra Heavy Duty, Add</i>	26.16	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0049	PR		4-1/2" x 4-1/2", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge.....	127.49	10.62
			<i>For Primed For Paint Finish, Deduct</i>	-14.47	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	9.04	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-8.68	
			<i>For Stainless Steel, Add</i>	39.79	
			<i>For Heavy Duty, Add</i>	10.85	
			<i>For Extra Heavy Duty, Add</i>	28.94	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0050	PR		5" x 5", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge.....	147.97	12.55
			<i>For Primed For Paint Finish, Deduct</i>	-16.73	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	10.46	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-10.04	
			<i>For Stainless Steel, Add</i>	46.00	
			<i>For Heavy Duty, Add</i>	12.55	
			<i>For Extra Heavy Duty, Add</i>	33.46	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0051			Slide-In, Full Mortise, Ball Bearing, Wrought Steel Hinges (08 71 11 00-0030)		
			Note: Both leaves slide into a cavity prepared in the door and door frame.		
08 71 11 00-0052	PR		4-1/2" x 4-1/2", Standard Duty, Slide In, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	100.67	10.62
			<i>For Primed For Paint Finish, Deduct</i>	-9.11	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	5.69	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-5.46	
			<i>For Stainless Steel, Add</i>	25.04	
			<i>For Heavy Duty, Add</i>	6.83	
			<i>For Extra Heavy Duty, Add</i>	18.21	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0053			Blank Butt Hinges (08 71 11 00-0030)		
08 71 11 00-0054	PR		3.5" x 3.5" To 5" x 5", Blank Butt With Screws, Steel Hinge.....	23.05	4.34
			<i>For Primed For Paint Finish, Deduct</i>	-1.16	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	0.73	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-0.70	
			<i>For Stainless Steel, Add</i>	3.19	
			<i>For Heavy Duty, Add</i>	0.87	
			<i>For Extra Heavy Duty, Add</i>	2.32	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0055			Full Mortise, Single Acting Spring, Wrought Steel Hinges (08 71 11 00-0030)		
			Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0056	PR		3-1/2" x 3-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge.....	79.90	6.76
			<i>For Primed For Paint Finish, Deduct</i>	-8.70	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	5.44	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-5.22	
			<i>For Stainless Steel, Add</i>	23.92	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0057	PR		4" x 4", Full Mortise, Single Acting Spring, Wrought Steel Hinge..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i>	105.14 -11.38 7.11 -6.83 31.29	9.65
08 71 11 00-0058	PR		4-1/2" x 4-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i>	138.82 -16.74 10.46 -10.04 46.02	10.62
08 71 11 00-0059			Offset And Pivot Hinges (08 71 11 00-0001) Note: Satin chrome plated, US26D.		
08 71 11 00-0060			Offset Swing Clear Hinges (08 71 11 00-0059) Note: For use on 1-3/8" and 1-3/4" doors. Allows doors to swing completely clear of the openings.		
08 71 11 00-0061	EA		4-1/2", Swing Clear, Offset Hinges <i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i> <i>For Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	129.48 22.31 35.94	3.01
08 71 11 00-0062			Offset Pivot Hinges (08 71 11 00-0059)		
08 71 11 00-0063			3/4" Offset Pivot Hinges (08 71 11 00-0062)		
08 71 11 00-0064			3/4" Offset Pivot Hinges (08 71 11 00-0063)		
08 71 11 00-0065			Top Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0064)		
08 71 11 00-0066			200 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0065)		
08 71 11 00-0067	EA		Painted Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	101.99	9.65
08 71 11 00-0068	EA		Satin Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	135.82	9.65
08 71 11 00-0069	EA		Bright Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	154.62	9.65
08 71 11 00-0070	EA		Satin Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	154.62	9.65
08 71 11 00-0071	EA		Satin Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	154.62	9.65
08 71 11 00-0072	EA		Dark Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	154.62	9.65
08 71 11 00-0073	EA		Bright Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	154.62	9.65
08 71 11 00-0074	EA		Painted Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	111.76	9.65
08 71 11 00-0075	EA		Satin Chrome Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	141.09	9.65
08 71 11 00-0076	EA		Bright Brass Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	160.63	9.65
08 71 11 00-0077	EA		Satin Brass Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	160.63	9.65
08 71 11 00-0078	EA		Satin Bronze Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	160.63	9.65
08 71 11 00-0079	EA		Dark Bronze Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	160.63	9.65
08 71 11 00-0080	EA		Bright Chrome Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	160.63	9.65
08 71 11 00-0081	EA		Painted Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	101.99	9.65
08 71 11 00-0082	EA		Satin Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	135.82	9.65
08 71 11 00-0083	EA		Bright Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	154.62	9.65
08 71 11 00-0084	EA		Satin Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	154.62	9.65
08 71 11 00-0085	EA		Satin Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	154.62	9.65
08 71 11 00-0086	EA		Dark Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	154.62	9.65
08 71 11 00-0087	EA		Bright Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	154.62	9.65
08 71 11 00-0088			500 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0065)		
08 71 11 00-0089	EA		Painted Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	106.81	12.07
08 71 11 00-0090	EA		Satin Chrome Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	140.64	12.07
08 71 11 00-0091	EA		Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	159.44	12.07
08 71 11 00-0092	EA		Satin Brass Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	159.44	12.07
08 71 11 00-0093	EA		Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	159.44	12.07
08 71 11 00-0094	EA		Dark Bronze Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	159.44	12.07
08 71 11 00-0095	EA		Bright Chrome Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	159.44	12.07
08 71 11 00-0096			600 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0065)		
08 71 11 00-0097	EA		Painted Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	106.81	12.07
08 71 11 00-0098	EA		Satin Chrome Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	140.64	12.07
08 71 11 00-0099	EA		Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	159.44	12.07
08 71 11 00-0100	EA		Satin Brass Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	159.44	12.07
08 71 11 00-0101	EA		Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	159.44	12.07
08 71 11 00-0102	EA		Dark Bronze Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	159.44	12.07
08 71 11 00-0103	EA		Bright Chrome Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	159.44	12.07
08 71 11 00-0104			700 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0065)		
08 71 11 00-0105	EA		Painted Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	106.81	12.07
08 71 11 00-0106	EA		Satin Chrome Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	140.64	12.07
08 71 11 00-0107	EA		Bright Brass Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	159.44	12.07
08 71 11 00-0108	EA		Satin Brass Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	159.44	12.07
08 71 11 00-0109	EA		Satin Bronze Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	159.44	12.07
08 71 11 00-0110	EA		Dark Bronze Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	159.44	12.07
08 71 11 00-0111	EA		Bright Chrome Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	159.44	12.07

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0112			Intermediate Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0064)		
08 71 11 00-0113			200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0112)		
08 71 11 00-0114	EA		Painted Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	126.04	9.65
08 71 11 00-0115	EA		Satin Chrome Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	154.62	9.65
08 71 11 00-0116	EA		Bright Brass Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	174.91	9.65
08 71 11 00-0117	EA		Satin Brass Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	174.91	9.65
08 71 11 00-0118	EA		Satin Bronze Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	174.91	9.65
08 71 11 00-0119	EA		Dark Bronze Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	174.91	9.65
08 71 11 00-0120	EA		Bright Chrome Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	174.91	9.65
08 71 11 00-0121			500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0121)		
08 71 11 00-0122	EA		Painted Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	140.64	12.07
08 71 11 00-0123	EA		Satin Chrome Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	149.66	12.07
08 71 11 00-0124	EA		Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	165.45	12.07
08 71 11 00-0125	EA		Satin Brass Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	165.45	12.07
08 71 11 00-0126	EA		Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	165.45	12.07
08 71 11 00-0127	EA		Dark Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	165.45	12.07
08 71 11 00-0128	EA		Bright Chrome Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	165.45	12.07
08 71 11 00-0129			600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0129)		
08 71 11 00-0130	EA		Painted Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	140.64	12.07
08 71 11 00-0131	EA		Satin Chrome Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	149.66	12.07
08 71 11 00-0132	EA		Bright Brass Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	165.45	12.07
08 71 11 00-0133	EA		Satin Brass Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	165.45	12.07
08 71 11 00-0134	EA		Satin Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	165.45	12.07
08 71 11 00-0135	EA		Dark Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	165.45	12.07
08 71 11 00-0136	EA		Bright Chrome Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	165.45	12.07
08 71 11 00-0137			700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0137)		
08 71 11 00-0138	EA		Painted Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	140.64	12.07
08 71 11 00-0139	EA		Satin Chrome Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	149.66	12.07
08 71 11 00-0140	EA		Bright Brass Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	165.45	12.07
08 71 11 00-0141	EA		Satin Brass Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	165.45	12.07
08 71 11 00-0142	EA		Satin Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	165.45	12.07
08 71 11 00-0143	EA		Dark Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	165.45	12.07
08 71 11 00-0144	EA		Bright Chrome Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	165.45	12.07
08 71 11 00-0145			Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0064)		
08 71 11 00-0146			200 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0145)		
08 71 11 00-0147	EA		Painted Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	111.76	9.65
08 71 11 00-0148	EA		Satin Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	141.09	9.65
08 71 11 00-0149	EA		Bright Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	160.63	9.65
08 71 11 00-0150	EA		Satin Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	160.63	9.65
08 71 11 00-0151	EA		Satin Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	160.63	9.65
08 71 11 00-0152	EA		Dark Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	160.63	9.65
08 71 11 00-0153	EA		Bright Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	160.63	9.65
08 71 11 00-0154	EA		Painted Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	111.76	9.65
08 71 11 00-0155	EA		Satin Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	141.09	9.65
08 71 11 00-0156	EA		Bright Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	160.63	9.65
08 71 11 00-0157	EA		Satin Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	160.63	9.65
08 71 11 00-0158	EA		Satin Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	160.63	9.65
08 71 11 00-0159	EA		Dark Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	160.63	9.65
08 71 11 00-0160	EA		Bright Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	160.63	9.65
08 71 11 00-0161	EA		Painted Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	97.48	9.65
08 71 11 00-0162	EA		Satin Chrome Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	131.32	9.65
08 71 11 00-0163	EA		Bright Brass Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	150.85	9.65
08 71 11 00-0164	EA		Satin Brass Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	150.85	9.65
08 71 11 00-0165	EA		Satin Bronze Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	150.85	9.65
08 71 11 00-0166	EA		Dark Bronze Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	150.85	9.65
08 71 11 00-0167	EA		Bright Chrome Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	150.85	9.65



	Openings	08
	Hardware	08 70
	Door Hardware	08 71

08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0168 500 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0145)</small>		
08 71 11 00-0169 EA Satin Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	169.21	12.07
08 71 11 00-0170 EA Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	179.73	12.07
08 71 11 00-0171 EA Satin Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	179.73	12.07
08 71 11 00-0172 EA Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	179.73	12.07
08 71 11 00-0173 EA Dark Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	179.73	12.07
08 71 11 00-0174 EA Bright Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	179.73	12.07
08 71 11 00-0175 EA Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	182.74	12.07
 08 71 11 00-0176 600 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0145)</small>		
08 71 11 00-0177 EA Painted Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	145.91	12.07
08 71 11 00-0178 EA Satin Chrome Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	159.44	12.07
08 71 11 00-0179 EA Bright Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	169.21	12.07
08 71 11 00-0180 EA Satin Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	169.21	12.07
08 71 11 00-0181 EA Satin Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	169.21	12.07
08 71 11 00-0182 EA Dark Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	169.21	12.07
08 71 11 00-0183 EA Bright Chrome Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	169.21	12.07
 08 71 11 00-0184 700 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0145)</small>		
08 71 11 00-0185 EA Painted Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	329.33	12.07
08 71 11 00-0186 EA Satin Chrome Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	353.38	12.07
08 71 11 00-0187 EA Bright Brass Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	391.73	12.07
08 71 11 00-0188 EA Satin Brass Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	391.73	12.07
08 71 11 00-0189 EA Satin Bronze Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	391.73	12.07
08 71 11 00-0190 EA Dark Bronze Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	391.73	12.07
08 71 11 00-0191 EA Bright Chrome Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	391.73	12.07
 08 71 11 00-0192 Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0063)</small>		
08 71 11 00-0193 Top Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0192)</small>		
08 71 11 00-0194 500 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0193)</small>		
08 71 11 00-0195 EA Painted Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	197.79	12.07
08 71 11 00-0196 EA Satin Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	233.10	12.07
08 71 11 00-0197 EA Bright Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	261.68	12.07
08 71 11 00-0198 EA Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	261.68	12.07
08 71 11 00-0199 EA Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	261.68	12.07
 08 71 11 00-0200 600 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0193)</small>		
08 71 11 00-0201 EA Painted Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	197.79	12.07
08 71 11 00-0202 EA Satin Stainless Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	233.10	12.07
08 71 11 00-0203 EA Bright Stainless Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	261.68	12.07
08 71 11 00-0204 EA Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	261.68	12.07
08 71 11 00-0205 EA Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	261.68	12.07
 08 71 11 00-0206 700 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0193)</small>		
08 71 11 00-0207 EA Painted Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	197.79	12.07
08 71 11 00-0208 EA Satin Stainless Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	233.10	12.07
08 71 11 00-0209 EA Bright Stainless Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	261.68	12.07
08 71 11 00-0210 EA Bright Brass Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	261.68	12.07
08 71 11 00-0211 EA Satin Bronze Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	261.68	12.07
 08 71 11 00-0212 1,000 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0193)</small>		
08 71 11 00-0213 EA Painted Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	208.62	14.48

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0214 EA Satin Stainless Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	237.93	14.48
08 71 11 00-0215 EA Bright Stainless Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	251.47	14.48
08 71 11 00-0216 EA Bright Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	251.47	14.48
08 71 11 00-0217 EA Satin Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	251.47	14.48
08 71 11 00-0218 1,750 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0193)</small>		
08 71 11 00-0219 EA Painted Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	208.62	14.48
08 71 11 00-0220 EA Satin Stainless Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	237.93	14.48
08 71 11 00-0221 EA Bright Stainless Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	251.47	14.48
08 71 11 00-0222 EA Bright Brass Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	251.47	14.48
08 71 11 00-0223 EA Satin Bronze Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	251.47	14.48
08 71 11 00-0224 Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0192)</small>		
08 71 11 00-0225 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0224)</small>		
08 71 11 00-0226 EA Painted Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	203.79	12.07
08 71 11 00-0227 EA Satin Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	236.86	12.07
08 71 11 00-0228 EA Bright Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	246.64	12.07
08 71 11 00-0229 EA Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	246.64	12.07
08 71 11 00-0230 EA Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	246.64	12.07
08 71 11 00-0231 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0224)</small>		
08 71 11 00-0232 EA Painted Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	203.79	12.07
08 71 11 00-0233 EA Satin Stainless Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	236.86	12.07
08 71 11 00-0234 EA Bright Stainless Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	246.64	12.07
08 71 11 00-0235 EA Bright Brass Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	246.64	12.07
08 71 11 00-0236 EA Satin Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	246.64	12.07
08 71 11 00-0237 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0224)</small>		
08 71 11 00-0238 EA Painted Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	203.79	12.07
08 71 11 00-0239 EA Satin Stainless Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	236.86	12.07
08 71 11 00-0240 EA Bright Stainless Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	246.64	12.07
08 71 11 00-0241 EA Bright Brass Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	246.64	12.07
08 71 11 00-0242 EA Satin Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	246.64	12.07
08 71 11 00-0243 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0224)</small>		
08 71 11 00-0244 EA Painted Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	228.17	14.48
08 71 11 00-0245 EA Satin Stainless Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	261.99	14.48
08 71 11 00-0246 EA Bright Stainless Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	271.01	14.48
08 71 11 00-0247 EA Bright Brass Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	271.01	14.48
08 71 11 00-0248 EA Satin Bronze Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	271.01	14.48



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0249 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0224)</small>		
08 71 11 00-0250 EA Painted Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT).....	228.17	14.48
08 71 11 00-0251 EA Satin Stainless Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT).....	261.99	14.48
08 71 11 00-0252 EA Bright Stainless Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT).....	271.01	14.48
08 71 11 00-0253 EA Bright Brass Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT).....	271.01	14.48
08 71 11 00-0254 EA Satin Bronze Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT).....	271.01	14.48
08 71 11 00-0255 Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0192)</small>		
08 71 11 00-0256 500 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0255)</small>		
08 71 11 00-0257 EA Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	227.10	12.07
08 71 11 00-0258 EA Satin Stainless Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	280.47	12.07
08 71 11 00-0259 EA Bright Stainless Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	300.77	12.07
08 71 11 00-0260 EA Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	300.77	12.07
08 71 11 00-0261 EA Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	300.77	12.07
08 71 11 00-0262 600 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0255)</small>		
08 71 11 00-0263 EA Painted Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	223.34	12.07
08 71 11 00-0264 EA Satin Stainless Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	236.86	12.07
08 71 11 00-0265 EA Bright Stainless Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	271.45	12.07
08 71 11 00-0266 EA Bright Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	271.45	12.07
08 71 11 00-0267 EA Satin Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	271.45	12.07
08 71 11 00-0268 1,000 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0255)</small>		
08 71 11 00-0269 EA Painted Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	256.73	14.48
08 71 11 00-0270 EA Satin Stainless Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	285.30	14.48
08 71 11 00-0271 EA Bright Stainless Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	295.82	14.48
08 71 11 00-0272 EA Bright Brass Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	295.82	14.48
08 71 11 00-0273 EA Satin Bronze Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	295.82	14.48
08 71 11 00-0274 1,750 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0255)</small>		
08 71 11 00-0275 EA Painted Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	362.73	14.48
08 71 11 00-0276 EA Satin Stainless Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	386.79	14.48
08 71 11 00-0277 EA Bright Stainless Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	396.56	14.48
08 71 11 00-0278 EA Bright Brass Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	396.56	14.48
08 71 11 00-0279 EA Satin Bronze Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	396.56	14.48
08 71 11 00-0280 1-1/2" Offset Pivot Hinges <small>(08 71 11 00-0062)</small>		
08 71 11 00-0281 Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 11 00-0280)</small>		
08 71 11 00-0282 Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 11 00-0281)</small>		
08 71 11 00-0283 400 LB Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 11 00-0282)</small>		

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0284 EA Painted Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	233.10	12.07
08 71 11 00-0285 EA Satin Stainless Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	251.90	12.07
08 71 11 00-0286 EA Bright Stainless Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	266.18	12.07
08 71 11 00-0287 EA Bright Bronze Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	266.18	12.07
08 71 11 00-0288 EA Satin Bronze Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	266.18	12.07
08 71 11 00-0289 500 LB Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0289)		
08 71 11 00-0290 EA Painted Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	233.10	12.07
08 71 11 00-0291 EA Satin Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	251.90	12.07
08 71 11 00-0292 EA Bright Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	266.18	12.07
08 71 11 00-0293 EA Bright Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	266.18	12.07
08 71 11 00-0294 EA Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	266.18	12.07
08 71 11 00-0295 Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0295)		
08 71 11 00-0296 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0296)		
08 71 11 00-0297 EA Painted Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	242.12	12.07
08 71 11 00-0298 EA Satin Stainless Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	271.45	12.07
08 71 11 00-0299 EA Bright Stainless Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	285.73	12.07
08 71 11 00-0300 EA Bright Brass Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	285.73	12.07
08 71 11 00-0301 EA Satin Bronze Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	285.73	12.07
08 71 11 00-0302 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0302)		
08 71 11 00-0303 EA Painted Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	242.12	12.07
08 71 11 00-0304 EA Satin Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	271.45	12.07
08 71 11 00-0305 EA Bright Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	285.73	12.07
08 71 11 00-0306 EA Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	285.73	12.07
08 71 11 00-0307 EA Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	285.73	12.07
08 71 11 00-0308 Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0308)		
08 71 11 00-0309 400 LB Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0309)		
08 71 11 00-0310 EA Painted Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	236.86	12.07
08 71 11 00-0311 EA Satin Stainless Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	271.45	12.07
08 71 11 00-0312 EA Bright Stainless Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	285.73	12.07
08 71 11 00-0313 EA Bright Brass Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	285.73	12.07
08 71 11 00-0314 EA Satin Bronze Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	285.73	12.07
08 71 11 00-0315 500 LB Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0315)		
08 71 11 00-0316 EA Painted Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	381.96	12.07
08 71 11 00-0317 EA Satin Stainless Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	421.05	12.07
08 71 11 00-0318 EA Bright Stainless Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	430.83	12.07
08 71 11 00-0319 EA Bright Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	430.83	12.07



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0320 EA Satin Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	430.83	12.07
08 71 11 00-0321 Center Hung Pivot Hinges (08 71 11 00-0059)		
08 71 11 00-0322 Top Mount, Center Hung Pivot Hinges (08 71 11 00-0321)		
08 71 11 00-0323 300 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges (08 71 11 00-0322)		
08 71 11 00-0324 EA Painted Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	121.54	9.65
08 71 11 00-0325 EA Satin Chrome Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	131.32	9.65
08 71 11 00-0326 EA Bright Brass Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	131.32	9.65
08 71 11 00-0327 EA Satin Brass Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	131.32	9.65
08 71 11 00-0328 EA Satin Bronze Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	131.32	9.65
08 71 11 00-0329 EA Dark Bronze Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	131.32	9.65
08 71 11 00-0330 EA Bright Chrome Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	131.32	9.65
08 71 11 00-0331 500 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges (08 71 11 00-0322)		
08 71 11 00-0332 EA Painted Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	126.36	12.07
08 71 11 00-0333 EA Satin Chrome Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	136.14	12.07
08 71 11 00-0334 EA Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	136.14	12.07
08 71 11 00-0335 EA Satin Brass Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	136.14	12.07
08 71 11 00-0336 EA Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	136.14	12.07
08 71 11 00-0337 EA Dark Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	136.14	12.07
08 71 11 00-0338 EA Bright Chrome Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	136.14	12.07
08 71 11 00-0339 600 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges (08 71 11 00-0322)		
08 71 11 00-0340 EA Painted Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	126.36	12.07
08 71 11 00-0341 EA Satin Chrome Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	136.14	12.07
08 71 11 00-0342 EA Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	136.14	12.07
08 71 11 00-0343 EA Satin Brass Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	136.14	12.07
08 71 11 00-0344 EA Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	136.14	12.07
08 71 11 00-0345 EA Dark Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	136.14	12.07
08 71 11 00-0346 EA Bright Chrome Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	136.14	12.07
08 71 11 00-0347 1,000 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges (08 71 11 00-0322)		
08 71 11 00-0348 EA Painted Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	198.84	14.48
08 71 11 00-0349 EA Satin Chrome Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	231.93	14.48
08 71 11 00-0350 EA Bright Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	266.51	14.48
08 71 11 00-0351 EA Satin Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	266.51	14.48
08 71 11 00-0352 EA Satin Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	266.51	14.48
08 71 11 00-0353 EA Dark Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	266.51	14.48
08 71 11 00-0354 EA Bright Chrome Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	266.51	14.48
08 71 11 00-0355 Bottom Mount, Center Hung Pivot Hinges (08 71 11 00-0321)		
08 71 11 00-0356 300 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges (08 71 11 00-0355)		
08 71 11 00-0357 EA Painted Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	92.96	9.65
08 71 11 00-0358 EA Satin Chrome Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	107.26	9.65
08 71 11 00-0359 EA Bright Brass Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	121.54	9.65
08 71 11 00-0360 EA Satin Brass Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	121.54	9.65
08 71 11 00-0361 EA Satin Bronze Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	121.54	9.65
08 71 11 00-0362 EA Dark Bronze Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	121.54	9.65
08 71 11 00-0363 EA Bright Chrome Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	121.54	9.65
08 71 11 00-0364 500 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0355)		
08 71 11 00-0365 EA Painted Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	136.14	12.07
08 71 11 00-0366 EA Satin Chrome Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	140.64	12.07
08 71 11 00-0367 EA Bright Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	140.64	12.07
08 71 11 00-0368 EA Satin Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	140.64	12.07
08 71 11 00-0369 EA Satin Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	140.64	12.07
08 71 11 00-0370 EA Dark Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	140.64	12.07
08 71 11 00-0371 EA Bright Chrome Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	140.64	12.07
08 71 11 00-0372 EA Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	136.14	12.07

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0373	EA		Satin Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	140.64	12.07
08 71 11 00-0374	EA		Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	140.64	12.07
08 71 11 00-0375	EA		Satin Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	140.64	12.07
08 71 11 00-0376	EA		Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	140.64	12.07
08 71 11 00-0377	EA		Dark Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	140.64	12.07
08 71 11 00-0378	EA		Bright Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	140.64	12.07
08 71 11 00-0379			600 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges (08 71 11 00-0355)		
08 71 11 00-0380	EA		Painted Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	271.45	12.07
08 71 11 00-0381	EA		Satin Chrome Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	285.73	12.07
08 71 11 00-0382	EA		Bright Brass Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	300.77	12.07
08 71 11 00-0383	EA		Satin Brass Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	300.77	12.07
08 71 11 00-0384	EA		Satin Bronze Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	300.77	12.07
08 71 11 00-0385	EA		Dark Bronze Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	300.77	12.07
08 71 11 00-0386	EA		Bright Chrome Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	300.77	12.07
08 71 11 00-0387			1,000 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges (08 71 11 00-0355)		
08 71 11 00-0388	EA		Painted Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	498.05	14.48
08 71 11 00-0389	EA		Satin Chrome Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	512.33	14.48
08 71 11 00-0390	EA		Bright Brass Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	531.88	14.48
08 71 11 00-0391	EA		Satin Brass Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	531.88	14.48
08 71 11 00-0392	EA		Satin Bronze Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	531.88	14.48
08 71 11 00-0393	EA		Dark Bronze Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	531.88	14.48
08 71 11 00-0394	EA		Bright Chrome Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	531.88	14.48
08 71 11 00-0395			Continuous Barrel-Type Hinge (08 71 11 00-0001)		
08 71 11 00-0396	LF		1-1/2" Wide, Steel, Continuous Barrel-Type Hinge	21.72	3.86
			<i>For Stainless Steel, Add</i>	3.45	
			<i>For Brass Or Nickel, Add</i>	3.77	
			<i>For Aluminum, Add</i>	1.23	
			<i>For Medium Gauge, Deduct</i>	-1.26	
08 71 11 00-0397	LF		2" Wide, Steel, Continuous Barrel-Type Hinge	22.15	3.86
			<i>For Stainless Steel, Add</i>	3.69	
			<i>For Brass Or Nickel, Add</i>	4.02	
			<i>For Aluminum, Add</i>	1.31	
			<i>For Medium Gauge, Deduct</i>	-1.34	
08 71 11 00-0398	LF		2-1/2" Wide, Steel, Continuous Barrel-Type Hinge	22.99	3.86
			<i>For Stainless Steel, Add</i>	4.15	
			<i>For Brass Or Nickel, Add</i>	4.52	
			<i>For Aluminum, Add</i>	1.48	
			<i>For Medium Gauge, Deduct</i>	-1.51	
08 71 11 00-0399	LF		3" Wide, Steel, Continuous Barrel-Type Hinge	23.94	3.86
			<i>For Stainless Steel, Add</i>	4.67	
			<i>For Brass Or Nickel, Add</i>	5.09	
			<i>For Aluminum, Add</i>	1.66	
			<i>For Medium Gauge, Deduct</i>	-1.70	
08 71 11 00-0400			Continuous Geared Hinges (08 71 11 00-0001)		
08 71 11 00-0401	LF		Half Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-053)	39.02	3.86
			<i>For Bronze Finish, Add</i>	8.84	
			<i>For Heavy Duty, Add</i>	6.30	
08 71 11 00-0402	LF		Full Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-057)	41.78	3.86
			<i>For Bronze Finish, Add</i>	9.87	
			<i>For Heavy Duty, Add</i>	7.04	
08 71 11 00-0403	LF		Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-112)	27.97	3.86
			<i>For Bronze Finish, Add</i>	4.70	
08 71 11 00-0404	LF		Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Heavy Duty (Roton 780-112HD)	31.97	3.86
			<i>For Bronze Finish, Add</i>	6.20	
08 71 11 00-0405			Mortised, Primed Steel, Double Acting Spring Hinges (08 71 11 00-0001)		
08 71 11 00-0406	PR		2", Mortised, Primed Steel, Double Acting Spring Hinge	103.45	6.76
			<i>For Satin Brass, Add</i>	16.72	
08 71 11 00-0407	PR		3", Mortised, Primed Steel, Double Acting Spring Hinge	113.13	8.69
			<i>For Satin Brass, Add</i>	16.73	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0408	PR		4", Mortised, Primed Steel, Double Acting Spring Hinge <i>For Satin Brass, Add</i>	126.57 17.64	10.62
08 71 11 00-0409	PR		5", Mortised, Primed Steel, Double Acting Spring Hinge <i>For Satin Brass, Add</i>	164.42 24.41	12.55
08 71 11 00-0410	PR		6", Mortised, Primed Steel, Double Acting Spring Hinge <i>For Satin Brass, Add</i>	184.38 26.88	14.48
08 71 11 00-0411	PR		7", Mortised, Primed Steel, Double Acting Spring Hinge <i>For Satin Brass, Add</i>	220.76 33.30	16.40
08 71 11 00-0412	PR		8", Mortised, Primed Steel, Double Acting Spring Hinge <i>For Satin Brass, Add</i>	295.73 48.97	45.83
08 71 11 00-0413			Security Hinges (08 71 11 00-0001)		
08 71 11 00-0414	EA		4-1/2" x 4-1/2", Non Removable Pin, Full Mortise, Ball Bearing, Steel Security Hinge	34.56	6.76
08 71 11 00-0415			Concealed Circuit Electric Hinge Option (08 71 11 00-0001) Note: Excludes the hinge. These tasks are used in conjunction with other hinges in the Construction Task Catalog® to electrify the hinge.		
08 71 11 00-0416	EA		4 Wire Concealed Circuit Electric Hinge Option.....	168.91	
08 71 11 00-0417	EA		6 Wire Concealed Circuit Electric Hinge Option.....	199.42	
08 71 11 00-0418	EA		8 Wire Concealed Circuit Electric Hinge Option.....	229.94	
08 71 11 00-0419			Hinge Filler Plates For Door Frames (08 71 11 00-0001)		
08 71 11 00-0420	PR		Hinge Filler Plates For Door Frames	15.18	4.83
08 71 11 00-0421			Door Trim (08 71 11)		
08 71 11 00-0422			Floor Stops, Wall Stops And Bumpers (08 71 11 00-0421)		
08 71 11 00-0423			Floor Stops (08 71 11 00-0422)		
08 71 11 00-0424			Aluminum Floor Stops (08 71 11 00-0423)		
08 71 11 00-0425	EA		1-5/16" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS430)	26.03	12.07
08 71 11 00-0426	EA		1" Overall Height, 3/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS436)	27.93	12.07
08 71 11 00-0427	EA		1-3/8" Overall Height, 9/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS438)	28.65	12.07
08 71 11 00-0428	EA		2-1/8" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS441)	39.67	12.07
08 71 11 00-0429	EA		3" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS444/448)	40.99	12.07
08 71 11 00-0430			Brass Floor Stops (08 71 11 00-0423)		
08 71 11 00-0431	EA		1" Overall Height, 3/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS436)	28.19	12.07
08 71 11 00-0432	EA		1" Overall Height, 3/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS436)	28.92	12.07
08 71 11 00-0433	EA		1" Overall Height, 3/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS436)	28.92	12.07
08 71 11 00-0434	EA		1" Overall Height, 3/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS436)	29.20	12.07
08 71 11 00-0435	EA		1" Overall Height, 3/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS436)	29.57	12.07
08 71 11 00-0436	EA		1" Overall Height, 3/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS436)	29.57	12.07
08 71 11 00-0437	EA		1" Overall Height, 3/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS436)	29.57	12.07
08 71 11 00-0438	EA		1-3/8" Overall Height, 9/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS438)	28.65	12.07
08 71 11 00-0439	EA		1-3/8" Overall Height, 9/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS438)	29.75	12.07
08 71 11 00-0440	EA		1-3/8" Overall Height, 9/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS438)	29.75	12.07
08 71 11 00-0441	EA		1-3/8" Overall Height, 9/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS438)	30.18	12.07
08 71 11 00-0442	EA		1-3/8" Overall Height, 9/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS438)	30.55	12.07
08 71 11 00-0443	EA		1-3/8" Overall Height, 9/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS438)	30.55	12.07
08 71 11 00-0444	EA		1-3/8" Overall Height, 9/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS438)	32.28	12.07
08 71 11 00-0445	EA		1" Overall Height, 5/32" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS13)	29.82	12.07
08 71 11 00-0446	EA		1" Overall Height, 5/32" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS13)	29.82	12.07
08 71 11 00-0447	EA		1" Overall Height, 5/32" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS13)	31.02	12.07
08 71 11 00-0448	EA		1" Overall Height, 5/32" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS13)	31.02	12.07
08 71 11 00-0449	EA		1" Overall Height, 5/32" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS13)	31.02	12.07
08 71 11 00-0450	EA		1" Overall Height, 5/32" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS13)	31.02	12.07
08 71 11 00-0451	EA		1-11/32" Overall Height, 1/2" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS17)	30.65	12.07
08 71 11 00-0452	EA		1-11/32" Overall Height, 1/2" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS17)	30.65	12.07
08 71 11 00-0453	EA		1-11/32" Overall Height, 1/2" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS17)	31.82	12.07
08 71 11 00-0454	EA		1-11/32" Overall Height, 1/2" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS17)	31.82	12.07
08 71 11 00-0455	EA		1-11/32" Overall Height, 1/2" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS17)	31.82	12.07
08 71 11 00-0456	EA		1-11/32" Overall Height, 1/2" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS17)	31.82	12.07
08 71 11 00-0457	EA		2-1/8" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS441)	40.74	12.07
08 71 11 00-0458	EA		2-1/8" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS441)	41.26	12.07
08 71 11 00-0459	EA		2-1/8" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS441)	42.52	12.07
08 71 11 00-0460	EA		2-1/8" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS441)	43.54	12.07
08 71 11 00-0461	EA		2-1/8" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS441)	43.54	12.07
08 71 11 00-0462	EA		2-1/8" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS441)	47.70	12.07
08 71 11 00-0463	EA		2-1/8" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS441)	47.70	12.07
08 71 11 00-0464	EA		3" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS444/448)	46.16	12.07
08 71 11 00-0465	EA		3" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS444/448)	46.90	12.07
08 71 11 00-0466	EA		3" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS444/448)	46.90	12.07
08 71 11 00-0467	EA		3" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS444/448)	46.90	12.07
08 71 11 00-0468	EA		3" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS444/448)	46.90	12.07
08 71 11 00-0469	EA		3" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS444/448)	52.61	12.07

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0470	EA		3" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS444/448).....	52.61	12.07
08 71 11 00-0471	EA		1-5/16" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS430).....	34.53	12.07
08 71 11 00-0472	EA		1-5/16" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS430).....	35.48	12.07
08 71 11 00-0473	EA		1-5/16" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS430).....	37.63	12.07
08 71 11 00-0474	EA		1-5/16" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS430).....	37.63	12.07
08 71 11 00-0475	EA		1-5/16" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS430).....	37.63	12.07
08 71 11 00-0476	EA		1-5/16" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS430).....	38.27	12.07
08 71 11 00-0477			Steel Floor Stops (08 71 11 00-0423)		
08 71 11 00-0478	EA		2-5/8" Overall Height, Zinc Plated Finish, Wrought Steel Floor Stop (Ives FS434).....	30.83	12.07
08 71 11 00-0479	EA		1-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18S)..... Note: Includes drilling. Excludes Grout.	66.11	12.07
08 71 11 00-0480	EA		3-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18L)..... Note: Includes drilling. Excludes Grout.	69.12	12.07
08 71 11 00-0481			Wall Stops (08 71 11 00-0422)		
08 71 11 00-0482			Aluminum Wall Stops (08 71 11 00-0481)		
08 71 11 00-0483	EA		3-3/4" Projection, Residential Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives 60).....	12.27	4.83
08 71 11 00-0484	EA		3-3/4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives WS65).....	18.04	7.24
08 71 11 00-0485			Brass Wall Stops (08 71 11 00-0481)		
08 71 11 00-0486	EA		3-3/4" Projection, Residential Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives 60).....	18.73	4.83
08 71 11 00-0487	EA		3-3/4" Projection, Residential Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives 60).....	18.73	4.83
08 71 11 00-0488	EA		3-3/4" Projection, Residential Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives 60).....	18.73	4.83
08 71 11 00-0489	EA		3-3/4" Projection, Residential Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives 60).....	21.54	4.83
08 71 11 00-0490	EA		3-3/4" Projection, Residential Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives 60).....	21.81	4.83
08 71 11 00-0491	EA		3-3/4" Projection, Residential Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives 60).....	21.81	4.83
08 71 11 00-0492	EA		3-3/4" Projection, Residential Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives 60).....	21.81	4.83
08 71 11 00-0493	EA		3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS11).....	48.05	7.24
08 71 11 00-0494	EA		3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS11).....	49.04	7.24
08 71 11 00-0495	EA		3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS11).....	49.04	7.24
08 71 11 00-0496	EA		3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS11).....	49.04	7.24
08 71 11 00-0497	EA		3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS11).....	49.04	7.24
08 71 11 00-0498	EA		3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS11).....	49.04	7.24
08 71 11 00-0499	EA		3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS443/447).....	41.05	7.24
08 71 11 00-0500	EA		3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS443/447).....	46.42	7.24
08 71 11 00-0501	EA		3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS443/447).....	46.42	7.24
08 71 11 00-0502	EA		3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS443/447).....	46.42	7.24
08 71 11 00-0503	EA		3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS443/447).....	46.42	7.24
08 71 11 00-0504	EA		3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS443/447).....	47.69	7.24
08 71 11 00-0505	EA		3-3/4" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives WS443/447).....	47.69	7.24
08 71 11 00-0506	EA		3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS33).....	74.18	7.24
08 71 11 00-0507			Steel Wall Stops (08 71 11 00-0481)		
08 71 11 00-0508	EA		3" Projection, Residential Spring Type, Bright Brass Finish, Steel Wall Stop (Ives 63).....	10.20	4.83
08 71 11 00-0509			Hinge Pin Door Stops (08 71 11 00-0422)		
08 71 11 00-0510			Aluminum Hinge Pin Door Stops (08 71 11 00-0509)		
08 71 11 00-0511	EA		Satin Aluminum Finish, Aluminum Hinge Pin Door Stop (Ives 70).....	20.93	9.65
08 71 11 00-0512			Brass Hinge Pin Door Stops (08 71 11 00-0509)		
08 71 11 00-0513	EA		Satin Brass Finish, Brass Residential Hinge Pin Door Stop (Ives 72).....	21.24	9.65
08 71 11 00-0514	EA		Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 73).....	23.20	9.65
08 71 11 00-0515	EA		Satin Chrome Finish, Brass Hinge Pin Door Stop (Ives 70).....	27.91	9.65
08 71 11 00-0516	EA		Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 70).....	27.91	9.65
08 71 11 00-0517	EA		Bright Brass Finish, Brass Hinge Pin Door Stop (Ives 70).....	27.91	9.65
08 71 11 00-0518	EA		Bright Chrome Finish, Brass Hinge Pin Door Stop (Ives 70).....	30.11	9.65
08 71 11 00-0519	EA		Satin Bronze Finish, Brass Hinge Pin Door Stop (Ives 70).....	30.11	9.65
08 71 11 00-0520	EA		Dark Bronze Finish, Brass Hinge Pin Door Stop (Ives 70).....	30.11	9.65
08 71 11 00-0521	EA		Satin Nickel Finish, Brass Hinge Pin Door Stop (Ives 70).....	30.11	9.65
08 71 11 00-0522			Wall Bumpers (08 71 11 00-0422)		
08 71 11 00-0523			Brass Wall Bumpers (08 71 11 00-0522)		
08 71 11 00-0524	EA		2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	27.20	12.07
08 71 11 00-0525	EA		2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	27.20	12.07
08 71 11 00-0526	EA		2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	27.20	12.07
08 71 11 00-0527	EA		2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	27.47	12.07



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0528	EA		2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	27.47	12.07
08 71 11 00-0529	EA		2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	27.47	12.07
08 71 11 00-0530	EA		2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	27.47	12.07
08 71 11 00-0531	EA		2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Cast Brass Wall Bumper (Ives WS401/402).....	36.53	12.07
08 71 11 00-0532	EA		2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402).....	38.99	12.07
08 71 11 00-0533	EA		2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402).....	38.99	12.07
08 71 11 00-0534	EA		2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Cast Brass Wall Bumper (Ives WS401/402).....	38.99	12.07
08 71 11 00-0535	EA		2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402).....	38.99	12.07
08 71 11 00-0536	EA		2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402).....	38.99	12.07
08 71 11 00-0537	EA		2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Cast Brass Wall Bumper (Ives WS401/402).....	39.54	12.07
08 71 11 00-0538			Rubber Wall Bumpers (08 71 11 00-0522)		
08 71 11 00-0539	EA		1-7/8" Base Diameter, Adhesive-Backed, Concave Rubber Wall Bumper (Ives WS411R-W).....	26.22	12.07
08 71 11 00-0540			Holders (08 71 11 00-0421)		
08 71 11 00-0541			Plunger Type Door Holders (08 71 11 00-0540)		
08 71 11 00-0542			Aluminum Plunger Type Door Holders (08 71 11 00-0541)		
08 71 11 00-0543	EA		Satin Aluminum Finish, Aluminum Plunger Type Door Holder (Ives FS1153).....	50.49	7.24
08 71 11 00-0544			Brass Plunger Type Door Holders (08 71 11 00-0541)		
08 71 11 00-0545	EA		Satin Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154).....	79.44	7.24
08 71 11 00-0546	EA		Bright Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154).....	79.44	7.24
08 71 11 00-0547	EA		Satin Brass Finish, Brass Plunger Type Door Holder (Ives FS1154).....	79.44	7.24
08 71 11 00-0548	EA		Bright Brass Finish, Brass Plunger Type Door Holder (Ives FS1154).....	79.44	7.24
08 71 11 00-0549	EA		Satin Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154).....	79.44	7.24
08 71 11 00-0550	EA		Dark Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154).....	79.44	7.24
08 71 11 00-0551	EA		Satin Nickel Finish, Brass Plunger Type Door Holder (Ives FS1154).....	79.44	7.24
08 71 11 00-0552			Kick Down Door Holders (08 71 11 00-0540)		
08 71 11 00-0553			Aluminum Kick Down Door Holders (08 71 11 00-0552)		
08 71 11 00-0554	EA		Satin Aluminum Finish, Aluminum Kick Down Door Holder (Ives FS455).....	20.36	7.24
08 71 11 00-0555			Brass Kick Down Door Holders (08 71 11 00-0552)		
08 71 11 00-0556	EA		Satin Brass Finish, Brass Kick Down Door Holder (Ives FS455).....	38.36	7.24
08 71 11 00-0557	EA		Bright Brass Finish, Brass Kick Down Door Holder (Ives FS455).....	38.36	7.24
08 71 11 00-0558	EA		Satin Bronze Finish, Brass Kick Down Door Holder (Ives FS455).....	38.36	7.24
08 71 11 00-0559	EA		Satin Chrome Finish, Brass Kick Down Door Holder (Ives FS455).....	43.05	7.24
08 71 11 00-0560	EA		Bright Chrome Finish, Brass Kick Down Door Holder (Ives FS455).....	43.05	7.24
08 71 11 00-0561	EA		Dark Bronze Finish, Brass Kick Down Door Holder (Ives FS455).....	43.05	7.24
08 71 11 00-0562	EA		Satin Nickel Finish, Brass Kick Down Door Holder (Ives FS455).....	44.24	7.24
08 71 11 00-0563			Steel Kick Down Door Holders (08 71 11 00-0552)		
08 71 11 00-0564	EA		Steel Kick Down Door Holder (Ives FS544).....	23.99	7.24
08 71 11 00-0565			Floor Mounted Door Holders (08 71 11 00-0540)		
08 71 11 00-0566			Brass Floor Mounted Door Holders (08 71 11 00-0565)		
08 71 11 00-0567	EA		Up To 1/2" Door To Floor Clearance, Satin Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	75.30	14.48
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0568	EA		Up To 1/2" Door To Floor Clearance, Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	75.30	14.48
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0569	EA		Up To 1/2" Door To Floor Clearance, Bright Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	90.90	14.48
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0570 EA Up To 1/2" Door To Floor Clearance, Bright Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	90.90	14.48
For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0571 EA Up To 1/2" Door To Floor Clearance, Satin Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	90.90	14.48
For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0572 EA Up To 1/2" Door To Floor Clearance, Dark Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	90.90	14.48
For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0573 Wall Mounted Door Holders (08 71 11 00-0540)		
08 71 11 00-0574 Aluminum Wall Mounted Door Holders (08 71 11 00-0573)		
08 71 11 00-0575 EA 4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop And Manual Door Holder (Ives WS20).....	63.78	8.45
08 71 11 00-0576 EA Wall Mounted, Satin Aluminum Finish, Aluminum Automatic Door Holder (Ives WS40).....	95.00	14.48
08 71 11 00-0577 Brass Wall Mounted Door Holders (08 71 11 00-0573)		
08 71 11 00-0578 EA 3-11/16" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	59.05	8.45
08 71 11 00-0579 EA 3-11/16" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	67.51	8.45
08 71 11 00-0580 EA 3-11/16" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	67.51	8.45
08 71 11 00-0581 EA 3-11/16" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	67.51	8.45
08 71 11 00-0582 EA 3-11/16" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	67.51	8.45
08 71 11 00-0583 EA 3-11/16" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	67.51	8.45
08 71 11 00-0584 EA 3-11/16" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	69.50	8.45
08 71 11 00-0585 EA 4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	66.13	8.45
08 71 11 00-0586 EA 4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	77.67	8.45
08 71 11 00-0587 EA 4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	77.67	8.45
08 71 11 00-0588 EA 4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	77.67	8.45
08 71 11 00-0589 EA 4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	77.67	8.45
08 71 11 00-0590 EA 4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	77.67	8.45
08 71 11 00-0591 EA Wall Mounted, Satin Chrome Finish, Brass Automatic Door Holder (Ives WS40).....	106.51	14.48
08 71 11 00-0592 EA Wall Mounted, Bright Chrome Finish, Brass Automatic Door Holder (Ives WS40).....	111.70	14.48
08 71 11 00-0593 EA Wall Mounted, Satin Brass Finish, Brass Automatic Door Holder (Ives WS40).....	111.70	14.48
08 71 11 00-0594 EA Wall Mounted, Bright Brass Finish, Brass Automatic Door Holder (Ives WS40).....	111.70	14.48
08 71 11 00-0595 EA Wall Mounted, Satin Bronze Finish, Brass Automatic Door Holder (Ives WS40).....	111.70	14.48
08 71 11 00-0596 EA Wall Mounted, Dark Bronze Finish, Brass Automatic Door Holder (Ives WS40).....	111.70	14.48
08 71 11 00-0597 Overhead Door Holders (08 71 11 00-0540)		
08 71 11 00-0598 Surface Mounted, Overhead Door Holders (08 71 11 00-0597)		
08 71 11 00-0599 EA Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	332.92	24.12
For Hold Open, Add	34.11	
08 71 11 00-0600 EA Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	376.47	24.12
For Hold Open, Add	40.40	
08 71 11 00-0601 EA Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	376.47	24.12
For Hold Open, Add	40.40	
08 71 11 00-0602 EA Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	376.47	24.12
For Hold Open, Add	40.40	
08 71 11 00-0603 EA Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	374.98	24.12
For Hold Open, Add	40.18	
08 71 11 00-0604 Heavy Duty, Surface Mounted, Overhead Door Holders (08 71 11 00-0597)		
Note: With or without hold open feature.		
08 71 11 00-0605 EA Heavy Duty, Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	267.15	24.12
08 71 11 00-0606 EA Heavy Duty, Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	371.13	24.12
08 71 11 00-0607 EA Heavy Duty, Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	416.46	24.12
08 71 11 00-0608 EA Heavy Duty, Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	416.46	24.12
08 71 11 00-0609 EA Heavy Duty, Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	416.46	24.12
08 71 11 00-0610 Concealed Mounted, Overhead Door Holders (08 71 11 00-0597)		
Note: With or without hold open feature.		
08 71 11 00-0611 EA Concealed Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	360.17	24.12
08 71 11 00-0612 EA Concealed Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	360.17	24.12
08 71 11 00-0613 EA Concealed Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	377.95	24.12
08 71 11 00-0614 EA Concealed Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	393.06	24.12
08 71 11 00-0615 EA Concealed Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	393.06	24.12
08 71 11 00-0616 Silencers (08 71 11 00-0421)		



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0617 EA Replacement Rubber Door Silencers 1.40	1.40	0.96
Note: For repair / maintenance only. This task is not to be used in conjunction with new door or frame installations.		
08 71 11 00-0618 Bolts (08 71 11 00-0421)		
08 71 11 00-0619 Brass Surface Bolts (08 71 11 00-0618)		
08 71 11 00-0620 EA 8" Length, Satin Chrome Finish, Brass Surface Bolt With Strike (Ives SB1640).....	106.24	12.07
08 71 11 00-0621 EA 8" Length, Bright Brass Finish, Brass Surface Bolt With Strike (Ives SB1640).....	113.09	12.07
08 71 11 00-0622 EA 8" Length, Dark Bronze Finish, Brass Surface Bolt With Strike (Ives SB1640).....	113.09	12.07
08 71 11 00-0623 Steel Surface Bolts (08 71 11 00-0618)		
08 71 11 00-0624 EA 8" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453).....	53.21	12.07
08 71 11 00-0625 EA 8" Length, Bright Brass Finish, Steel Surface Bolt With Strike (Ives SB453).....	53.21	12.07
08 71 11 00-0626 EA 8" Length, Satin Brass Finish, Steel Surface Bolt With Strike (Ives SB453).....	53.21	12.07
08 71 11 00-0627 EA 8" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	59.20	12.07
08 71 11 00-0628 EA 8" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453).....	60.06	12.07
08 71 11 00-0629 EA 8" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	61.76	12.07
08 71 11 00-0630 EA 12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453).....	60.90	12.07
08 71 11 00-0631 EA 12" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	63.48	12.07
08 71 11 00-0632 EA 12" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	66.90	12.07
08 71 11 00-0633 EA 12" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453).....	69.46	12.07
08 71 11 00-0634 EA 12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB360).....	103.68	12.07
08 71 11 00-0635 Door Viewer (08 71 11 00-0421)		
08 71 11 00-0636 Brass Door Viewer (08 71 11 00-0635)		
08 71 11 00-0637 EA 120 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U700).....	32.28	12.07
08 71 11 00-0638 EA 120 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U700).....	32.28	12.07
08 71 11 00-0639 EA 120 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U700).....	32.28	12.07
08 71 11 00-0640 EA 150 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U696).....	36.10	12.07
08 71 11 00-0641 EA 150 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U696).....	36.10	12.07
08 71 11 00-0642 EA 150 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U696).....	36.10	12.07
08 71 11 00-0643 EA 190 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Wide Angle Door Viewer (Ives U698).....	40.81	12.07
08 71 11 00-0644 EA 190 Degree Angle Of View, Bright Brass Finish, Brass One-Way Wide Angle Door Viewer (Ives U698).....	40.81	12.07
08 71 11 00-0645 Door Knockers (08 71 11 00-0421)		
08 71 11 00-0646 Brass Door Knockers (08 71 11 00-0645)		
08 71 11 00-0647 EA 5-15/16" Length, 3" Width, Bright Brass Finish, Brass Door Knocker (Ives 3125).....	44.07	12.07
08 71 11 00-0648 EA 5-15/16" Length, 3" Width, Satin Chrome Finish, Brass Door Knocker (Ives 3125).....	47.70	12.07
08 71 11 00-0649 EA 5-15/16" Length, 3" Width, Bright Chrome Finish, Brass Door Knocker (Ives 3125).....	47.70	12.07
08 71 11 00-0650 EA 5-15/16" Length, 3" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3125).....	47.70	12.07
08 71 11 00-0651 EA 8-1/2" Length, 4-1/8" Width, Bright Brass Finish, Brass Door Knocker (Ives 3107).....	61.48	12.07
08 71 11 00-0652 EA 8-1/2" Length, 4-1/8" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3107).....	70.23	12.07
08 71 11 00-0653 Hasps (08 71 11 00-0421)		
08 71 11 00-0654 EA 3-1/4", Zinc Plated Finish, Steel Hasp Assembly.....	23.16	9.10
08 71 11 00-0655 EA 4-1/2", Zinc Plated Finish, Steel Hasp Assembly.....	24.65	9.65
08 71 11 00-0656 EA 6", Zinc Plated Finish, Steel Hasp Assembly.....	30.39	10.86
08 71 11 00-0657 EA 6", Zinc Plated Finish, Steel High Security Hasp Assembly.....	101.30	13.03
08 71 11 00-0658 Flush Bolts (08 71 11 00-0421)		
08 71 11 00-0659 Flush Bolts For Metal Doors (08 71 11 00-0658)		
08 71 11 00-0660 Brass Flush Bolts For Metal Doors (08 71 11 00-0659)		
08 71 11 00-0661 Manual, Brass Flush Bolts For Metal Doors (08 71 11 00-0660)		
Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 11 00-0662 EA Top Or Bottom Bolt, Manual, Brass Flush Bolt For Metal Doors (Ives FB457/458).....	42.95	12.07
08 71 11 00-0663 Automatic, Brass Flush Bolts For Metal Doors (08 71 11 00-0660)		
Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0664 EA Top Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31T).....	92.38	12.07
08 71 11 00-0665 EA Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31B).....	92.38	12.07
08 71 11 00-0666 EA Top And Bottom Bolt, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31P).....	167.95	19.30
08 71 11 00-0667 EA Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Metal Doors (Ives FB32).....	163.13	16.88
08 71 11 00-0668 EA Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Brass Flush Bolt For Metal Doors (Ives FB33).....	169.82	18.09
08 71 11 00-0669 Constant Latching, Brass Flush Bolts For Metal Doors (08 71 11 00-0660)		
Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0670 EA Top Bolt Only, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51T).....	91.62	12.07

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0671 EA Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51P).....	167.95	19.30
08 71 11 00-0672 EA Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB52).....	163.13	16.88
08 71 11 00-0673 EA Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB53).....	169.82	18.09
08 71 11 00-0674 Stainless Steel Flush Bolts For Metal Doors (08 71 11 00-0659)		
08 71 11 00-0675 Automatic, Stainless Steel Flush Bolts For Metal Doors (08 71 11 00-0674)		
Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0676 EA Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31T).....	92.38	12.07
08 71 11 00-0677 EA Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31B).....	92.38	12.07
08 71 11 00-0678 EA Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31P).....	167.95	19.30
08 71 11 00-0679 EA Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB32).....	163.13	16.88
08 71 11 00-0680 EA Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB33).....	169.82	18.09
08 71 11 00-0681 Constant Latching, Stainless Steel Flush Bolts For Metal Doors (08 71 11 00-0674)		
Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0682 EA Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51T).....	91.62	12.07
08 71 11 00-0683 EA Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51P).....	167.95	19.30
08 71 11 00-0684 EA Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB52).....	163.13	16.88
08 71 11 00-0685 EA Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB53).....	169.82	18.09
08 71 11 00-0686 Flush Bolts For Wood Doors (08 71 11 00-0658)		
08 71 11 00-0687 Brass Flush Bolts For Wood Doors (08 71 11 00-0686)		
08 71 11 00-0688 Manual, Brass Flush Bolts For Wood Doors (08 71 11 00-0687)		
Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 11 00-0689 EA Top Or Bottom Bolt, Manual, Brass Flush Bolt For Wood Doors (Ives FB358).....	49.35	12.07
08 71 11 00-0690 Automatic, Brass Flush Bolts For Wood Doors (08 71 11 00-0687)		
Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0691 EA Top Bolt Only, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41T).....	95.71	12.07
08 71 11 00-0692 EA Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB41B).....	95.71	12.07
08 71 11 00-0693 EA Top And Bottom Bolt, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41P).....	175.13	19.30
08 71 11 00-0694 EA Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Wood Doors (Ives FB42).....	170.31	16.88
08 71 11 00-0695 Constant Latching, Brass Flush Bolts For Wood Doors (08 71 11 00-0687)		
Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0696 EA Top Bolt Only, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61T).....	95.04	12.07
08 71 11 00-0697 EA Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61P).....	175.13	19.30
08 71 11 00-0698 EA Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB62).....	170.31	16.88
08 71 11 00-0699 Stainless Steel Flush Bolts For Wood Doors (08 71 11 00-0686)		
08 71 11 00-0700 Automatic, Stainless Steel Flush Bolts For Wood Doors (08 71 11 00-0699)		
Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0701 EA Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41T).....	95.71	12.07
08 71 11 00-0702 EA Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB41B).....	95.71	12.07
08 71 11 00-0703 EA Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41P).....	175.13	19.30
08 71 11 00-0704 EA Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB42).....	170.31	16.88
08 71 11 00-0705 Constant Latching, Stainless Steel Flush Bolts For Wood Doors (08 71 11 00-0699)		
Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0706 EA Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61T).....	95.04	12.07
08 71 11 00-0707 EA Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61P).....	175.13	19.30
08 71 11 00-0708 EA Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB62).....	170.31	16.88
08 71 11 00-0709 Dust Proof Strikes (08 71 11 00-0658)		
08 71 11 00-0710 EA Satin Brass Finish, Brass Dust Proof Strike (Ives DP1).....	37.61	9.65
08 71 11 00-0711 EA Satin Chrome Finish, Brass Dust Proof Strike (Ives DP1).....	37.61	9.65
08 71 11 00-0712 EA Bright Brass Finish, Brass Dust Proof Strike (Ives DP1).....	37.61	9.65
08 71 11 00-0713 EA Satin Bronze Finish, Brass Dust Proof Strike (Ives DP1).....	37.61	9.65
08 71 11 00-0714 EA Dark Bronze Finish, Brass Dust Proof Strike (Ives DP1).....	37.61	9.65
08 71 11 00-0715 EA Satin Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	42.39	9.65
08 71 11 00-0716 EA Satin Chrome Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	42.39	9.65
08 71 11 00-0717 EA Satin Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	42.39	9.65
08 71 11 00-0718 EA Bright Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	42.39	9.65
08 71 11 00-0719 EA Dark Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	42.39	9.65



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0720 Roller Bumpers <small>(08 71 11 00-0421)</small>		
08 71 11 00-0721 Brass Roller Bumpers <small>(08 71 11 00-0720)</small>		
08 71 11 00-0722 EA 5" Length, Bright Brass Finish, Brass Offset Arm Roller Bumper (Ives RB470).....	37.44	7.24
08 71 11 00-0723 EA 5" Length, Satin Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470)	43.16	7.24
08 71 11 00-0724 EA 5" Length, Bright Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470)	43.16	7.24
08 71 11 00-0725 EA 4-1/2" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471).....	36.15	7.24
08 71 11 00-0726 EA 4-1/2" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471)	40.51	7.24
08 71 11 00-0727 EA 4-1/2" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471)	40.51	7.24
08 71 11 00-0728 EA 4-1/2" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471).....	40.51	7.24
08 71 11 00-0729 EA 6" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	37.53	7.24
08 71 11 00-0730 EA 6" Length, Satin Nickel Finish, Brass Straight Arm Roller Bumper (Ives RB472)	40.61	7.24
08 71 11 00-0731 EA 6" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472)	42.06	7.24
08 71 11 00-0732 EA 6" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472)	42.06	7.24
08 71 11 00-0733 EA 6" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	42.06	7.24
08 71 11 00-0734 EA 6" Length, Satin Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	42.06	7.24
08 71 11 00-0735 EA 6" Length, Dark Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472)	42.06	7.24
08 71 11 00-0736 Other Door Trim <small>(08 71 11 00-0421)</small>		
08 71 11 00-0737 Coat And Hat Hooks <small>(08 71 11 00-0736)</small>		
08 71 11 00-0738 Aluminum Coat And Hat Hooks <small>(08 71 11 00-0737)</small>		
08 71 11 00-0739 EA 1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Wardrobe Hook (Ives 581).....	16.25	7.24
08 71 11 00-0740 EA 1-1/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Wardrobe Hook (Ives 581)	16.25	7.24
08 71 11 00-0741 EA 1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Wardrobe Hook (Ives 581)	16.35	7.24
08 71 11 00-0742 EA 1-3/4" Height, 1-1/4" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 571).....	16.18	7.24
08 71 11 00-0743 EA 1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 571).....	16.18	7.24
08 71 11 00-0744 EA 1-3/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 571)	16.18	7.24
08 71 11 00-0745 EA 1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Coat And Hat Hook (Ives 571)	16.35	7.24
08 71 11 00-0746 EA 1-1/2" Height, 2-1/2" Width, Satin Brass Finish, Aluminum Coat And Hat Hook (Ives 405).....	16.89	7.24
08 71 11 00-0747 EA 1-1/2" Height, 2-1/2" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 405).....	16.89	7.24
08 71 11 00-0748 EA 1-1/2" Height, 2-1/2" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 405).....	16.89	7.24
08 71 11 00-0749 EA 1-1/2" Height, 2-1/2" Width, Dark Bronze Finish, Aluminum Coat And Hat Hook (Ives 405)	16.89	7.24
08 71 11 00-0750 EA 1-1/2" Height, 2-1/2" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 405)	16.89	7.24
08 71 11 00-0751 Brass Coat And Hat Hooks <small>(08 71 11 00-0737)</small>		
08 71 11 00-0752 EA 1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Wardrobe Hook (Ives 581)	19.15	7.24
08 71 11 00-0753 EA 1-1/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Wardrobe Hook (Ives 581).....	19.44	7.24
08 71 11 00-0754 EA 1-1/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Wardrobe Hook (Ives 581).....	19.88	7.24
08 71 11 00-0755 EA 1-1/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Wardrobe Hook (Ives 581).....	19.88	7.24
08 71 11 00-0756 EA 1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Wardrobe Hook (Ives 581).....	20.16	7.24
08 71 11 00-0757 EA 1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Coat And Hat Hook (Ives 571).....	21.06	7.24
08 71 11 00-0758 EA 1-3/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Coat And Hat Hook (Ives 571)	22.34	7.24
08 71 11 00-0759 EA 1-3/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Coat And Hat Hook (Ives 571)	22.34	7.24
08 71 11 00-0760 EA 1-3/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Coat And Hat Hook (Ives 571)	22.34	7.24
08 71 11 00-0761 EA 1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Coat And Hat Hook (Ives 571)	22.62	7.24
08 71 11 00-0762 Door Plates And Pulls <small>(08 71 11)</small>		
08 71 11 00-0763 Kick Plate <small>(08 71 11 00-0762)</small> Note: Ives 8400.		
08 71 11 00-0764 Aluminum Base Material Kick Plate <small>(08 71 11 00-0763)</small>		
08 71 11 00-0765 Satin Aluminum Finish, Aluminum Kick Plate <small>(08 71 11 00-0764)</small>		
08 71 11 00-0766 EA 8" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	43.10	7.24
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0767 EA 8" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	44.40	7.24
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0768 EA 8" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	45.67	7.24
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0769 EA 8" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	46.96	7.24
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0770 EA 8" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	50.20	7.72
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0771 EA 8" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	51.46	7.72
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0772 EA 8" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	52.76	7.72
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0773 EA 8" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	54.03	7.72
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	

08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0774	EA		8" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	57.25	8.21
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0775	EA		8" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	58.54	8.21
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0776	EA		8" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	59.81	8.21
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0777	EA		8" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	63.05	8.69
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0778	EA		8" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	64.34	8.69
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0779	EA		8" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	65.61	8.69
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0780	EA		10" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	46.65	7.24
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0781	EA		10" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	48.27	7.24
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0782	EA		10" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	49.85	7.24
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0783	EA		10" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	51.47	7.24
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0784	EA		10" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	55.01	7.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0785	EA		10" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	56.61	7.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0786	EA		10" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	58.22	7.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0787	EA		10" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	59.82	7.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0788	EA		10" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	63.37	8.21
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0789	EA		10" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	64.97	8.21
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0790	EA		10" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	66.58	8.21
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0791	EA		10" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	70.13	8.69
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0792	EA		10" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	71.71	8.69
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0793	EA		10" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	73.33	8.69
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0794	EA		12" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	50.19	7.24
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0795	EA		12" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	52.10	7.24
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0796	EA		12" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	54.06	7.24
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0797	EA		12" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	55.95	7.24
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0798	EA		12" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	59.82	7.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0799	EA		12" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	61.75	7.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0800	EA		12" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	63.68	7.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0801	EA		12" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	65.62	7.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0802	EA		12" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.47 1.76 11.40	8.21
08 71 11 00-0803	EA		12" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.40 1.76 11.40	8.21
08 71 11 00-0804	EA		12" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.34 1.76 11.40	8.21
08 71 11 00-0805	EA		12" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.19 1.76 11.40	8.69
08 71 11 00-0806	EA		12" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.12 1.76 11.40	8.69
08 71 11 00-0807	EA		12" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	81.06 1.76 11.40	8.69
08 71 11 00-0808	EA		14" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	55.63 1.76 11.40	7.72
08 71 11 00-0809	EA		14" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	57.88 1.76 11.40	7.72
08 71 11 00-0810	EA		14" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.17 1.76 11.40	7.72
08 71 11 00-0811	EA		14" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	62.42 1.76 11.40	7.72
08 71 11 00-0812	EA		14" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.58 1.76 11.40	8.21
08 71 11 00-0813	EA		14" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.84 1.76 11.40	8.21
08 71 11 00-0814	EA		14" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.09 1.76 11.40	8.21
08 71 11 00-0815	EA		14" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.34 1.76 11.40	8.21
08 71 11 00-0816	EA		14" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.52 1.76 11.40	8.69
08 71 11 00-0817	EA		14" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.76 1.76 11.40	8.69
08 71 11 00-0818	EA		14" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.01 1.76 11.40	8.69
08 71 11 00-0819	EA		14" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.19 1.76 11.40	9.17
08 71 11 00-0820	EA		14" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.46 1.76 11.40	9.17
08 71 11 00-0821	EA		14" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.71 1.76 11.40	9.17
08 71 11 00-0822	EA		16" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.19 1.76 11.40	7.72
08 71 11 00-0823	EA		16" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	61.75 1.76 11.40	7.72
08 71 11 00-0824	EA		16" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.34 1.76 11.40	7.72
08 71 11 00-0825	EA		16" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.91 1.76 11.40	7.72
08 71 11 00-0826	EA		16" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.84 1.76 11.40	8.21
08 71 11 00-0827	EA		16" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.99 1.76 11.40	8.21
08 71 11 00-0828	EA		16" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.57 1.76 11.40	8.21
08 71 11 00-0829	EA		16" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.13 1.76 11.40	8.21

08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0830	EA		16" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.62 1.76 11.40	8.69
08 71 11 00-0831	EA		16" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.22 1.76 11.40	8.69
08 71 11 00-0832	EA		16" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.78 1.76 11.40	8.69
08 71 11 00-0833	EA		16" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.27 1.76 11.40	9.17
08 71 11 00-0834	EA		16" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.85 1.76 11.40	9.17
08 71 11 00-0835	EA		16" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.44 1.76 11.40	9.17
08 71 11 00-0836	EA		18" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.76 6.30 11.40	7.72
08 71 11 00-0837	EA		18" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	67.84 6.30 11.40	7.72
08 71 11 00-0838	EA		18" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.92 6.30 11.40	7.72
08 71 11 00-0839	EA		18" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.00 6.30 11.40	7.72
08 71 11 00-0840	EA		18" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.00 6.30 11.40	8.21
08 71 11 00-0841	EA		18" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.08 6.30 11.40	8.21
08 71 11 00-0842	EA		18" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.16 6.30 11.40	8.21
08 71 11 00-0843	EA		18" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.24 6.30 11.40	8.21
08 71 11 00-0844	EA		18" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.25 6.30 11.40	8.69
08 71 11 00-0845	EA		18" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.33 6.30 11.40	8.69
08 71 11 00-0846	EA		18" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.41 6.30 11.40	8.69
08 71 11 00-0847	EA		18" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	104.42 6.30 11.40	9.17
08 71 11 00-0848	EA		18" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.51 6.30 11.40	9.17
08 71 11 00-0849	EA		18" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.59 6.30 11.40	9.17
08 71 11 00-0850	EA		20" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.45 6.30 11.40	8.21
08 71 11 00-0851	EA		20" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.87 6.30 11.40	8.21
08 71 11 00-0852	EA		20" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.29 6.30 11.40	8.21
08 71 11 00-0853	EA		20" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.72 6.30 11.40	8.21
08 71 11 00-0854	EA		20" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.07 6.30 11.40	8.69
08 71 11 00-0855	EA		20" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.49 6.30 11.40	8.69
08 71 11 00-0856	EA		20" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.91 6.30 11.40	8.69
08 71 11 00-0857	EA		20" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.33 6.30 11.40	8.69



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0858	EA		20" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.68 6.30 11.40	9.17
08 71 11 00-0859	EA		20" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.11 6.30 11.40	9.17
08 71 11 00-0860	EA		20" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	108.53 6.30 11.40	9.17
08 71 11 00-0861	EA		20" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.88 6.30 11.40	9.65
08 71 11 00-0862	EA		20" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	117.30 6.30 11.40	9.65
08 71 11 00-0863	EA		20" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.72 6.30 11.40	9.65
08 71 11 00-0864	EA		22" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.21 6.30 11.40	8.21
08 71 11 00-0865	EA		22" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.97 6.30 11.40	8.21
08 71 11 00-0866	EA		22" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	81.74 6.30 11.40	8.21
08 71 11 00-0867	EA		22" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.50 6.30 11.40	8.21
08 71 11 00-0868	EA		22" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.21 6.30 11.40	8.69
08 71 11 00-0869	EA		22" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.97 6.30 11.40	8.69
08 71 11 00-0870	EA		22" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.73 6.30 11.40	8.69
08 71 11 00-0871	EA		22" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.49 6.30 11.40	8.69
08 71 11 00-0872	EA		22" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	108.19 6.30 11.40	9.17
08 71 11 00-0873	EA		22" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	111.95 6.30 11.40	9.17
08 71 11 00-0874	EA		22" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	115.71 6.30 11.40	9.17
08 71 11 00-0875	EA		22" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	121.40 6.30 11.40	9.65
08 71 11 00-0876	EA		22" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.17 6.30 11.40	9.65
08 71 11 00-0877	EA		22" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.93 6.30 11.40	9.65
08 71 11 00-0878	EA		24" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.97 6.30 11.40	8.21
08 71 11 00-0879	EA		24" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.08 6.30 11.40	8.21
08 71 11 00-0880	EA		24" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.20 6.30 11.40	8.21
08 71 11 00-0881	EA		24" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.30 6.30 11.40	8.21
08 71 11 00-0882	EA		24" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.33 6.30 11.40	8.69
08 71 11 00-0883	EA		24" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.44 6.30 11.40	8.69
08 71 11 00-0884	EA		24" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	104.54 6.30 11.40	8.69
08 71 11 00-0885	EA		24" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	108.66 6.30 11.40	8.69

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0886	EA		24" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.69 6.30 11.40	9.17
08 71 11 00-0887	EA		24" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	118.79 6.30 11.40	9.17
08 71 11 00-0888	EA		24" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.90 6.30 11.40	9.17
08 71 11 00-0889	EA		24" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.93 6.30 11.40	9.65
08 71 11 00-0890	EA		24" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	133.05 6.30 11.40	9.65
08 71 11 00-0891	EA		24" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	137.15 6.30 11.40	9.65
08 71 11 00-0892			Brass Base Material Kick Plate (08 71 11 00-0763)		
08 71 11 00-0893			Bright/Satin Brass Finish, Brass Kick Plate (08 71 11 00-0892)		
08 71 11 00-0894	EA		8" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.77 1.76 11.40	7.24
08 71 11 00-0895	EA		8" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.03 1.76 11.40	7.24
08 71 11 00-0896	EA		8" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.29 1.76 11.40	7.24
08 71 11 00-0897	EA		8" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.54 1.76 11.40	7.24
08 71 11 00-0898	EA		8" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.72 1.76 11.40	7.72
08 71 11 00-0899	EA		8" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.00 1.76 11.40	7.72
08 71 11 00-0900	EA		8" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.26 1.76 11.40	7.72
08 71 11 00-0901	EA		8" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.51 1.76 11.40	7.72
08 71 11 00-0902	EA		8" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.69 1.76 11.40	8.21
08 71 11 00-0903	EA		8" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	117.94 1.76 11.40	8.21
08 71 11 00-0904	EA		8" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.19 1.76 11.40	8.21
08 71 11 00-0905	EA		8" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.37 1.76 11.40	8.69
08 71 11 00-0906	EA		8" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	132.65 1.76 11.40	8.69
08 71 11 00-0907	EA		8" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	136.91 1.76 11.40	8.69
08 71 11 00-0908	EA		10" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.49 1.76 11.40	7.24
08 71 11 00-0909	EA		10" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.79 1.76 11.40	7.24
08 71 11 00-0910	EA		10" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.13 1.76 11.40	7.24
08 71 11 00-0911	EA		10" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.44 1.76 11.40	7.24
08 71 11 00-0912	EA		10" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.68 1.76 11.40	7.72
08 71 11 00-0913	EA		10" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.01 1.76 11.40	7.72



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0914	EA			10" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	121.34 1.76 11.40	7.72
08 71 11 00-0915	EA			10" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	126.66 1.76 11.40	7.72
08 71 11 00-0916	EA			10" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	133.89 1.76 11.40	8.21
08 71 11 00-0917	EA			10" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	139.23 1.76 11.40	8.21
08 71 11 00-0918	EA			10" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	144.56 1.76 11.40	8.21
08 71 11 00-0919	EA			10" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	151.79 1.76 11.40	8.69
08 71 11 00-0920	EA			10" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	157.12 1.76 11.40	8.69
08 71 11 00-0921	EA			10" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	162.44 1.76 11.40	8.69
08 71 11 00-0922	EA			12" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.16 1.76 11.40	7.24
08 71 11 00-0923	EA			12" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.58 1.76 11.40	7.24
08 71 11 00-0924	EA			12" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	111.95 1.76 11.40	7.24
08 71 11 00-0925	EA			12" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	118.33 1.76 11.40	7.24
08 71 11 00-0926	EA			12" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	126.66 1.76 11.40	7.72
08 71 11 00-0927	EA			12" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	133.05 1.76 11.40	7.72
08 71 11 00-0928	EA			12" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	139.43 1.76 11.40	7.72
08 71 11 00-0929	EA			12" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	145.80 1.76 11.40	7.72
08 71 11 00-0930	EA			12" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	154.14 1.76 11.40	8.21
08 71 11 00-0931	EA			12" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	160.51 1.76 11.40	8.21
08 71 11 00-0932	EA			12" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	166.90 1.76 11.40	8.21
08 71 11 00-0933	EA			12" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	175.21 1.76 11.40	8.69
08 71 11 00-0934	EA			12" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	181.58 1.76 11.40	8.69
08 71 11 00-0935	EA			12" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	188.00 1.76 11.40	8.69
08 71 11 00-0936	EA			14" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	112.83 1.76 11.40	7.72
08 71 11 00-0937	EA			14" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.26 1.76 11.40	7.72
08 71 11 00-0938	EA			14" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	127.71 1.76 11.40	7.72
08 71 11 00-0939	EA			14" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	135.18 1.76 11.40	7.72
08 71 11 00-0940	EA			14" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	144.56 1.76 11.40	8.21
08 71 11 00-0941	EA			14" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	152.01 1.76 11.40	8.21

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0942	EA		14" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	159.45	8.21
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0943	EA		14" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	166.90	8.21
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0944	EA		14" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	176.28	8.69
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0945	EA		14" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	183.73	8.69
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0946	EA		14" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	191.17	8.69
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0947	EA		14" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	200.55	9.17
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0948	EA		14" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	208.01	9.17
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0949	EA		14" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	215.46	9.17
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0950	EA		16" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	154.26	7.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0951	EA		16" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	165.50	7.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0952	EA		16" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	176.71	7.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0953	EA		16" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	187.91	7.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0954	EA		16" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	201.06	8.21
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0955	EA		16" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	212.28	8.21
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0956	EA		16" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	223.51	8.21
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0957	EA		16" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	234.70	8.21
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0958	EA		16" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	247.87	8.69
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0959	EA		16" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	259.10	8.69
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0960	EA		16" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	270.31	8.69
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0961	EA		16" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	283.44	9.17
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0962	EA		16" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	294.65	9.17
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0963	EA		16" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	305.88	9.17
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0964	EA		18" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	169.44	7.72
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0965	EA		18" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	182.03	7.72
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0966	EA		18" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	194.61	7.72
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0967	EA		18" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	207.23	7.72
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0968	EA		18" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	221.75	8.21
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0969	EA		18" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	234.33	8.21
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0970 EA 18" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	246.95 6.30 11.40	8.21
08 71 11 00-0971 EA 18" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	259.52 6.30 11.40	8.21
08 71 11 00-0972 EA 18" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	274.07 6.30 11.40	8.69
08 71 11 00-0973 EA 18" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	286.66 6.30 11.40	8.69
08 71 11 00-0974 EA 18" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	299.24 6.30 11.40	8.69
08 71 11 00-0975 EA 18" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	313.79 6.30 11.40	9.17
08 71 11 00-0976 EA 18" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	326.37 6.30 11.40	9.17
08 71 11 00-0977 EA 18" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	338.96 6.30 11.40	9.17
08 71 11 00-0978 EA 20" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	186.76 6.30 11.40	8.21
08 71 11 00-0979 EA 20" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	200.75 6.30 11.40	8.21
08 71 11 00-0980 EA 20" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	214.76 6.30 11.40	8.21
08 71 11 00-0981 EA 20" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	228.73 6.30 11.40	8.21
08 71 11 00-0982 EA 20" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	244.67 6.30 11.40	8.69
08 71 11 00-0983 EA 20" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	258.67 6.30 11.40	8.69
08 71 11 00-0984 EA 20" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	272.65 6.30 11.40	8.69
08 71 11 00-0985 EA 20" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	286.66 6.30 11.40	8.69
08 71 11 00-0986 EA 20" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	302.56 6.30 11.40	9.17
08 71 11 00-0987 EA 20" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	316.58 6.30 11.40	9.17
08 71 11 00-0988 EA 20" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	330.57 6.30 11.40	9.17
08 71 11 00-0989 EA 20" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	346.49 6.30 11.40	9.65
08 71 11 00-0990 EA 20" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	360.50 6.30 11.40	9.65
08 71 11 00-0991 EA 20" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	374.47 6.30 11.40	9.65
08 71 11 00-0992 EA 22" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	202.17 6.30 11.40	8.21
08 71 11 00-0993 EA 22" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	217.54 6.30 11.40	8.21
08 71 11 00-0994 EA 22" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	232.93 6.30 11.40	8.21
08 71 11 00-0995 EA 22" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	248.34 6.30 11.40	8.21
08 71 11 00-0996 EA 22" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	265.66 6.30 11.40	8.69
08 71 11 00-0997 EA 22" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	281.07 6.30 11.40	8.69

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0998	EA		22" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	296.46 6.30 11.40	8.69
08 71 11 00-0999	EA		22" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	311.86 6.30 11.40	8.69
08 71 11 00-1000	EA		22" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	329.17 6.30 11.40	9.17
08 71 11 00-1001	EA		22" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	344.56 6.30 11.40	9.17
08 71 11 00-1002	EA		22" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	359.96 6.30 11.40	9.17
08 71 11 00-1003	EA		22" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	377.28 6.30 11.40	9.65
08 71 11 00-1004	EA		22" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	392.69 6.30 11.40	9.65
08 71 11 00-1005	EA		22" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	408.05 6.30 11.40	9.65
08 71 11 00-1006	EA		24" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	217.54 6.30 11.40	8.21
08 71 11 00-1007	EA		24" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	234.33 6.30 11.40	8.21
08 71 11 00-1008	EA		24" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	251.14 6.30 11.40	8.21
08 71 11 00-1009	EA		24" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	267.94 6.30 11.40	8.21
08 71 11 00-1010	EA		24" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	286.66 6.30 11.40	8.69
08 71 11 00-1011	EA		24" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	303.45 6.30 11.40	8.69
08 71 11 00-1012	EA		24" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	320.25 6.30 11.40	8.69
08 71 11 00-1013	EA		24" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	337.96 6.30 11.40	8.69
08 71 11 00-1014	EA		24" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	355.76 6.30 11.40	9.17
08 71 11 00-1015	EA		24" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	372.54 6.30 11.40	9.17
08 71 11 00-1016	EA		24" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	389.34 6.30 11.40	9.17
08 71 11 00-1017	EA		24" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	408.05 6.30 11.40	9.65
08 71 11 00-1018	EA		24" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	424.88 6.30 11.40	9.65
08 71 11 00-1019	EA		24" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	441.66 6.30 11.40	9.65
08 71 11 00-1020			Bright/Satin Chrome Finish, Brass Kick Plate (08 71 11 00-0892)		
08 71 11 00-1021	EA		8" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.59 1.76 11.40	7.24
08 71 11 00-1022	EA		8" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.28 1.76 11.40	7.24
08 71 11 00-1023	EA		8" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.98 1.76 11.40	7.24
08 71 11 00-1024	EA		8" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.68 1.76 11.40	7.24
08 71 11 00-1025	EA		8" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.30 1.76 11.40	7.72



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1026 EA 8" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.98 1.76 11.40	7.72
08 71 11 00-1027 EA 8" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.68 1.76 11.40	7.72
08 71 11 00-1028 EA 8" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	115.37 1.76 11.40	7.72
08 71 11 00-1029 EA 8" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.00 1.76 11.40	8.21
08 71 11 00-1030 EA 8" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	126.71 1.76 11.40	8.21
08 71 11 00-1031 EA 8" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	131.41 1.76 11.40	8.21
08 71 11 00-1032 EA 8" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	138.03 1.76 11.40	8.69
08 71 11 00-1033 EA 8" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	142.73 1.76 11.40	8.69
08 71 11 00-1034 EA 8" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	147.42 1.76 11.40	8.69
08 71 11 00-1035 EA 10" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.51 1.76 11.40	7.24
08 71 11 00-1036 EA 10" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.37 1.76 11.40	7.24
08 71 11 00-1037 EA 10" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.24 1.76 11.40	7.24
08 71 11 00-1038 EA 10" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	111.10 1.76 11.40	7.24
08 71 11 00-1039 EA 10" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	118.91 1.76 11.40	7.72
08 71 11 00-1040 EA 10" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	124.78 1.76 11.40	7.72
08 71 11 00-1041 EA 10" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.65 1.76 11.40	7.72
08 71 11 00-1042 EA 10" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	136.51 1.76 11.40	7.72
08 71 11 00-1043 EA 10" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	144.31 1.76 11.40	8.21
08 71 11 00-1044 EA 10" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	150.17 1.76 11.40	8.21
08 71 11 00-1045 EA 10" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	156.04 1.76 11.40	8.21
08 71 11 00-1046 EA 10" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	163.84 1.76 11.40	8.69
08 71 11 00-1047 EA 10" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	169.70 1.76 11.40	8.69
08 71 11 00-1048 EA 10" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	175.57 1.76 11.40	8.69
08 71 11 00-1049 EA 12" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.41 1.76 11.40	7.24
08 71 11 00-1050 EA 12" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.44 1.76 11.40	7.24
08 71 11 00-1051 EA 12" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.51 1.76 11.40	7.24
08 71 11 00-1052 EA 12" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	127.55 1.76 11.40	7.24
08 71 11 00-1053 EA 12" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	136.51 1.76 11.40	7.72

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1054	EA		12" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	143.56	7.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1055	EA		12" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	150.60	7.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1056	EA		12" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	157.63	7.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1057	EA		12" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	166.60	8.21
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1058	EA		12" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	173.64	8.21
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1059	EA		12" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	180.69	8.21
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1060	EA		12" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	189.65	8.69
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1061	EA		12" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	196.72	8.69
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1062	EA		12" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	203.76	8.69
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1063	EA		14" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	121.24	7.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1064	EA		14" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	129.48	7.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1065	EA		14" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	137.70	7.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1066	EA		14" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	145.90	7.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1067	EA		14" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	156.04	8.21
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1068	EA		14" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	164.26	8.21
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1069	EA		14" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	172.47	8.21
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1070	EA		14" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	180.69	8.21
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1071	EA		14" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	190.85	8.69
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1072	EA		14" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	199.06	8.69
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1073	EA		14" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	207.27	8.69
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1074	EA		14" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	202.61	9.17
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1075	EA		14" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	225.62	9.17
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1076	EA		14" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	233.85	9.17
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1077	EA		16" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	168.58	7.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1078	EA		16" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	181.11	7.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1079	EA		16" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	193.63	7.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1080	EA		16" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	206.15	7.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1081	EA		16" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	220.59	8.21
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1082	EA		16" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	233.11 1.76 11.40	8.21
08 71 11 00-1083	EA		16" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	245.64 1.76 11.40	8.21
08 71 11 00-1084	EA		16" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	258.16 1.76 11.40	8.21
08 71 11 00-1085	EA		16" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	272.61 1.76 11.40	8.69
08 71 11 00-1086	EA		16" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	285.12 1.76 11.40	8.69
08 71 11 00-1087	EA		16" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	297.64 1.76 11.40	8.69
08 71 11 00-1088	EA		16" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	312.09 1.76 11.40	9.17
08 71 11 00-1089	EA		16" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	324.61 1.76 11.40	9.17
08 71 11 00-1090	EA		16" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	337.12 1.76 11.40	9.17
08 71 11 00-1091	EA		18" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	185.35 6.30 11.40	7.72
08 71 11 00-1092	EA		18" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	199.41 6.30 11.40	7.72
08 71 11 00-1093	EA		18" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	213.44 6.30 11.40	7.72
08 71 11 00-1094	EA		18" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	227.49 6.30 11.40	7.72
08 71 11 00-1095	EA		18" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	243.45 6.30 11.40	8.21
08 71 11 00-1096	EA		18" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	257.49 6.30 11.40	8.21
08 71 11 00-1097	EA		18" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	271.54 6.30 11.40	8.21
08 71 11 00-1098	EA		18" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	285.58 6.30 11.40	8.21
08 71 11 00-1099	EA		18" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	301.54 6.30 11.40	8.69
08 71 11 00-1100	EA		18" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	315.59 6.30 11.40	8.69
08 71 11 00-1101	EA		18" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	329.65 6.30 11.40	8.69
08 71 11 00-1102	EA		18" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	345.61 6.30 11.40	9.17
08 71 11 00-1103	EA		18" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	359.67 6.30 11.40	9.17
08 71 11 00-1104	EA		18" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	373.70 6.30 11.40	9.17
08 71 11 00-1105	EA		20" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	204.43 6.30 11.40	8.21
08 71 11 00-1106	EA		20" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	220.06 6.30 11.40	8.21
08 71 11 00-1107	EA		20" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	235.64 6.30 11.40	8.21
08 71 11 00-1108	EA		20" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	251.27 6.30 11.40	8.21
08 71 11 00-1109	EA		20" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	268.79 6.30 11.40	8.69

08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1110	EA		20" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	284.38 6.30 11.40	8.69
08 71 11 00-1111	EA		20" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	300.00 6.30 11.40	8.69
08 71 11 00-1112	EA		20" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	315.59 6.30 11.40	8.69
08 71 11 00-1113	EA		20" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	333.15 6.30 11.40	9.17
08 71 11 00-1114	EA		20" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	348.74 6.30 11.40	9.17
08 71 11 00-1115	EA		20" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	364.33 6.30 11.40	9.17
08 71 11 00-1116	EA		20" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	381.88 6.30 11.40	9.65
08 71 11 00-1117	EA		20" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	397.47 6.30 11.40	9.65
08 71 11 00-1118	EA		20" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	413.09 6.30 11.40	9.65
08 71 11 00-1119	EA		22" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	221.60 6.30 11.40	8.21
08 71 11 00-1120	EA		22" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	238.78 6.30 11.40	8.21
08 71 11 00-1121	EA		22" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	255.94 6.30 11.40	8.21
08 71 11 00-1122	EA		22" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	273.09 6.30 11.40	8.21
08 71 11 00-1123	EA		22" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	292.20 6.30 11.40	8.69
08 71 11 00-1124	EA		22" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	309.36 6.30 11.40	8.69
08 71 11 00-1125	EA		22" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	326.53 6.30 11.40	8.69
08 71 11 00-1126	EA		22" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	343.68 6.30 11.40	8.69
08 71 11 00-1127	EA		22" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	362.79 6.30 11.40	9.17
08 71 11 00-1128	EA		22" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	379.95 6.30 11.40	9.17
08 71 11 00-1129	EA		22" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	397.11 6.30 11.40	9.17
08 71 11 00-1130	EA		22" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	416.20 6.30 11.40	9.65
08 71 11 00-1131	EA		22" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	433.35 6.30 11.40	9.65
08 71 11 00-1132	EA		22" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	450.53 6.30 11.40	9.65
08 71 11 00-1133	EA		24" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	238.78 6.30 11.40	8.21
08 71 11 00-1134	EA		24" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	257.49 6.30 11.40	8.21
08 71 11 00-1135	EA		24" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	276.22 6.30 11.40	8.21
08 71 11 00-1136	EA		24" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	294.94 6.30 11.40	8.21
08 71 11 00-1137	EA		24" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	315.59 6.30 11.40	8.69



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 71 11 00-1138	EA		24" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	334.32 6.30 11.40	8.69
	08 71 11 00-1139	EA		24" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	353.07 6.30 11.40	8.69
	08 71 11 00-1140	EA		24" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	371.77 6.30 11.40	8.69
	08 71 11 00-1141	EA		24" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	392.42 6.30 11.40	9.17
	08 71 11 00-1142	EA		24" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	411.16 6.30 11.40	9.17
	08 71 11 00-1143	EA		24" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	429.88 6.30 11.40	9.17
	08 71 11 00-1144	EA		24" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	450.53 6.30 11.40	9.65
	08 71 11 00-1145	EA		24" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	469.26 6.30 11.40	9.65
	08 71 11 00-1146	EA		24" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	487.98 6.30 11.40	9.65
08 71 11 00-1147 Satin/Dark Bronze Finish, Brass Kick Plate <small>(08 71 11 00-0892)</small>						
	08 71 11 00-1148	EA		8" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	81.51 1.76 11.40	7.24
	08 71 11 00-1149	EA		8" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.26 1.76 11.40	7.24
	08 71 11 00-1150	EA		8" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.06 1.76 11.40	7.24
	08 71 11 00-1151	EA		8" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.82 1.76 11.40	7.24
	08 71 11 00-1152	EA		8" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.55 1.76 11.40	7.72
	08 71 11 00-1153	EA		8" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.32 1.76 11.40	7.72
	08 71 11 00-1154	EA		8" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	112.10 1.76 11.40	7.72
	08 71 11 00-1155	EA		8" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.87 1.76 11.40	7.72
	08 71 11 00-1156	EA		8" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	123.55 1.76 11.40	8.21
	08 71 11 00-1157	EA		8" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.35 1.76 11.40	8.21
	08 71 11 00-1158	EA		8" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	133.12 1.76 11.40	8.21
	08 71 11 00-1159	EA		8" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	139.84 1.76 11.40	8.69
	08 71 11 00-1160	EA		8" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	144.61 1.76 11.40	8.69
	08 71 11 00-1161	EA		8" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	149.39 1.76 11.40	8.69
	08 71 11 00-1162	EA		10" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.63 1.76 11.40	7.24
	08 71 11 00-1163	EA		10" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.62 1.76 11.40	7.24
	08 71 11 00-1164	EA		10" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.57 1.76 11.40	7.24
	08 71 11 00-1165	EA		10" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	112.54 1.76 11.40	7.24

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1166	EA	10" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	120.44	7.72
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1167	EA	10" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	126.42	7.72
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1168	EA	10" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	132.38	7.72
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1169	EA	10" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	138.35	7.72
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1170	EA	10" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	146.26	8.21
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1171	EA	10" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	152.23	8.21
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1172	EA	10" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	158.19	8.21
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1173	EA	10" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	166.12	8.69
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1174	EA	10" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	172.07	8.69
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1175	EA	10" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	178.04	8.69
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1176	EA	12" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	107.77	7.24
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1177	EA	12" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	114.94	7.24
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1178	EA	12" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	122.09	7.24
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1179	EA	12" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	129.26	7.24
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1180	EA	12" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	138.35	7.72
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1181	EA	12" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	145.53	7.72
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1182	EA	12" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	152.70	7.72
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1183	EA	12" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	159.86	7.72
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1184	EA	12" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	168.96	8.21
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1185	EA	12" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	176.11	8.21
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1186	EA	12" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	183.27	8.21
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1187	EA	12" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	192.37	8.69
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1188	EA	12" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	199.55	8.69
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1189	EA	12" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	206.70	8.69
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1190	EA	14" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	122.82	7.72
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1191	EA	14" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	131.19	7.72
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1192	EA	14" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	139.55	7.72
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1193	EA	14" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	147.90	7.72
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 71	11 00-1194	EA	14" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.19 1.76 11.40	8.21
	08 71	11 00-1195	EA	14" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	166.56 1.76 11.40	8.21
	08 71	11 00-1196	EA	14" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	174.91 1.76 11.40	8.21
	08 71	11 00-1197	EA	14" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	183.27 1.76 11.40	8.21
	08 71	11 00-1198	EA	14" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	193.56 1.76 11.40	8.69
	08 71	11 00-1199	EA	14" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	201.92 1.76 11.40	8.69
	08 71	11 00-1200	EA	14" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	210.27 1.76 11.40	8.69
	08 71	11 00-1201	EA	14" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	220.57 1.76 11.40	9.17
	08 71	11 00-1202	EA	14" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	228.96 1.76 11.40	9.17
	08 71	11 00-1203	EA	14" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	237.31 1.76 11.40	9.17
	08 71	11 00-1204	EA	16" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	168.58 1.76 11.40	7.72
	08 71	11 00-1205	EA	16" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	181.11 1.76 11.40	7.72
	08 71	11 00-1206	EA	16" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	193.63 1.76 11.40	7.72
	08 71	11 00-1207	EA	16" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	206.15 1.76 11.40	7.72
	08 71	11 00-1208	EA	16" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	220.59 1.76 11.40	8.21
	08 71	11 00-1209	EA	16" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	233.11 1.76 11.40	8.21
	08 71	11 00-1210	EA	16" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	245.64 1.76 11.40	8.21
	08 71	11 00-1211	EA	16" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	258.16 1.76 11.40	8.21
	08 71	11 00-1212	EA	16" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	272.61 1.76 11.40	8.69
	08 71	11 00-1213	EA	16" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	285.12 1.76 11.40	8.69
	08 71	11 00-1214	EA	16" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	297.64 1.76 11.40	8.69
	08 71	11 00-1215	EA	16" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	312.09 1.76 11.40	9.17
	08 71	11 00-1216	EA	16" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	324.61 1.76 11.40	9.17
	08 71	11 00-1217	EA	16" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	337.12 1.76 11.40	9.17
	08 71	11 00-1218	EA	18" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	185.35 6.30 11.40	7.72
	08 71	11 00-1219	EA	18" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	199.41 6.30 11.40	7.72
	08 71	11 00-1220	EA	18" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	213.44 6.30 11.40	7.72
	08 71	11 00-1221	EA	18" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	227.49 6.30 11.40	7.72

08 Openings**08 70 Hardware**

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1222	EA		18" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	243.45 6.30 11.40	8.21
08 71 11 00-1223	EA		18" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	257.49 6.30 11.40	8.21
08 71 11 00-1224	EA		18" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	271.54 6.30 11.40	8.21
08 71 11 00-1225	EA		18" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	285.58 6.30 11.40	8.21
08 71 11 00-1226	EA		18" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	301.54 6.30 11.40	8.69
08 71 11 00-1227	EA		18" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	315.59 6.30 11.40	8.69
08 71 11 00-1228	EA		18" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	329.65 6.30 11.40	8.69
08 71 11 00-1229	EA		18" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	345.61 6.30 11.40	9.17
08 71 11 00-1230	EA		18" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	359.67 6.30 11.40	9.17
08 71 11 00-1231	EA		18" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	373.70 6.30 11.40	9.17
08 71 11 00-1232	EA		20" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	204.43 6.30 11.40	8.21
08 71 11 00-1233	EA		20" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	220.06 6.30 11.40	8.21
08 71 11 00-1234	EA		20" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	235.64 6.30 11.40	8.21
08 71 11 00-1235	EA		20" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	251.27 6.30 11.40	8.21
08 71 11 00-1236	EA		20" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	268.79 6.30 11.40	8.69
08 71 11 00-1237	EA		20" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	284.38 6.30 11.40	8.69
08 71 11 00-1238	EA		20" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	300.00 6.30 11.40	8.69
08 71 11 00-1239	EA		20" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	315.59 6.30 11.40	8.69
08 71 11 00-1240	EA		20" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	333.15 6.30 11.40	9.17
08 71 11 00-1241	EA		20" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	348.74 6.30 11.40	9.17
08 71 11 00-1242	EA		20" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	364.33 6.30 11.40	9.17
08 71 11 00-1243	EA		20" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	381.88 6.30 11.40	9.65
08 71 11 00-1244	EA		20" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	397.47 6.30 11.40	9.65
08 71 11 00-1245	EA		20" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	413.09 6.30 11.40	9.65
08 71 11 00-1246	EA		22" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	221.60 6.30 11.40	8.21
08 71 11 00-1247	EA		22" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	238.78 6.30 11.40	8.21
08 71 11 00-1248	EA		22" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	255.94 6.30 11.40	8.21
08 71 11 00-1249	EA		22" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	273.09 6.30 11.40	8.21



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
	08 71	11 00-1250	EA	22" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	292.20 6.30 11.40	8.69	
	08 71	11 00-1251	EA	22" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	309.36 6.30 11.40	8.69	
	08 71	11 00-1252	EA	22" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	326.53 6.30 11.40	8.69	
	08 71	11 00-1253	EA	22" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	343.68 6.30 11.40	8.69	
	08 71	11 00-1254	EA	22" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	362.79 6.30 11.40	9.17	
	08 71	11 00-1255	EA	22" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	379.95 6.30 11.40	9.17	
	08 71	11 00-1256	EA	22" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	397.11 6.30 11.40	9.17	
	08 71	11 00-1257	EA	22" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	416.20 6.30 11.40	9.65	
	08 71	11 00-1258	EA	22" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	433.35 6.30 11.40	9.65	
	08 71	11 00-1259	EA	22" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	450.53 6.30 11.40	9.65	
	08 71	11 00-1260	EA	24" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	238.78 6.30 11.40	8.21	
	08 71	11 00-1261	EA	24" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	257.49 6.30 11.40	8.21	
	08 71	11 00-1262	EA	24" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	276.22 6.30 11.40	8.21	
	08 71	11 00-1263	EA	24" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	294.94 6.30 11.40	8.21	
	08 71	11 00-1264	EA	24" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	315.59 6.30 11.40	8.69	
	08 71	11 00-1265	EA	24" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	334.32 6.30 11.40	8.69	
	08 71	11 00-1266	EA	24" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	353.07 6.30 11.40	8.69	
	08 71	11 00-1267	EA	24" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	371.77 6.30 11.40	8.69	
	08 71	11 00-1268	EA	24" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	392.42 6.30 11.40	9.17	
	08 71	11 00-1269	EA	24" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	411.16 6.30 11.40	9.17	
	08 71	11 00-1270	EA	24" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	429.88 6.30 11.40	9.17	
	08 71	11 00-1271	EA	24" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	450.53 6.30 11.40	9.65	
	08 71	11 00-1272	EA	24" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	469.26 6.30 11.40	9.65	
	08 71	11 00-1273	EA	24" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	487.98 6.30 11.40	9.65	
	08 71	11 00-1274	Satin Nickel Finish, Brass Kick Plate <small>(08 71 11 00-0892)</small>				
	08 71	11 00-1275	EA	8" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	81.51 1.76 11.40	7.24	
	08 71	11 00-1276	EA	8" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.26 1.76 11.40	7.24	
	08 71	11 00-1277	EA	8" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.06 1.76 11.40	7.24	

08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1278	EA		8" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.82 1.76 11.40	7.24
08 71 11 00-1279	EA		8" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.55 1.76 11.40	7.72
08 71 11 00-1280	EA		8" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.32 1.76 11.40	7.72
08 71 11 00-1281	EA		8" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	112.10 1.76 11.40	7.72
08 71 11 00-1282	EA		8" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.87 1.76 11.40	7.72
08 71 11 00-1283	EA		8" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	123.55 1.76 11.40	8.21
08 71 11 00-1284	EA		8" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.35 1.76 11.40	8.21
08 71 11 00-1285	EA		8" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	133.12 1.76 11.40	8.21
08 71 11 00-1286	EA		8" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	139.84 1.76 11.40	8.69
08 71 11 00-1287	EA		8" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	144.61 1.76 11.40	8.69
08 71 11 00-1288	EA		8" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	149.39 1.76 11.40	8.69
08 71 11 00-1289	EA		10" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.63 1.76 11.40	7.24
08 71 11 00-1290	EA		10" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.62 1.76 11.40	7.24
08 71 11 00-1291	EA		10" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.57 1.76 11.40	7.24
08 71 11 00-1292	EA		10" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	112.54 1.76 11.40	7.24
08 71 11 00-1293	EA		10" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.44 1.76 11.40	7.72
08 71 11 00-1294	EA		10" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	126.42 1.76 11.40	7.72
08 71 11 00-1295	EA		10" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	132.38 1.76 11.40	7.72
08 71 11 00-1296	EA		10" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	138.35 1.76 11.40	7.72
08 71 11 00-1297	EA		10" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	146.26 1.76 11.40	8.21
08 71 11 00-1298	EA		10" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	152.23 1.76 11.40	8.21
08 71 11 00-1299	EA		10" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.19 1.76 11.40	8.21
08 71 11 00-1300	EA		10" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	166.12 1.76 11.40	8.69
08 71 11 00-1301	EA		10" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	172.07 1.76 11.40	8.69
08 71 11 00-1302	EA		10" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	178.04 1.76 11.40	8.69
08 71 11 00-1303	EA		12" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.77 1.76 11.40	7.24
08 71 11 00-1304	EA		12" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.94 1.76 11.40	7.24
08 71 11 00-1305	EA		12" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.09 1.76 11.40	7.24



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	11 00-1306	EA	12" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	129.26 1.76 11.40	7.24
08 71	11 00-1307	EA	12" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	138.35 1.76 11.40	7.72
08 71	11 00-1308	EA	12" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	145.53 1.76 11.40	7.72
08 71	11 00-1309	EA	12" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	152.70 1.76 11.40	7.72
08 71	11 00-1310	EA	12" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	159.86 1.76 11.40	7.72
08 71	11 00-1311	EA	12" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	168.96 1.76 11.40	8.21
08 71	11 00-1312	EA	12" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	176.11 1.76 11.40	8.21
08 71	11 00-1313	EA	12" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	183.27 1.76 11.40	8.21
08 71	11 00-1314	EA	12" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	192.37 1.76 11.40	8.69
08 71	11 00-1315	EA	12" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	199.55 1.76 11.40	8.69
08 71	11 00-1316	EA	12" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	206.70 1.76 11.40	8.69
08 71	11 00-1317	EA	14" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.82 1.76 11.40	7.72
08 71	11 00-1318	EA	14" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	131.19 1.76 11.40	7.72
08 71	11 00-1319	EA	14" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	139.55 1.76 11.40	7.72
08 71	11 00-1320	EA	14" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	147.90 1.76 11.40	7.72
08 71	11 00-1321	EA	14" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.19 1.76 11.40	8.21
08 71	11 00-1322	EA	14" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	166.56 1.76 11.40	8.21
08 71	11 00-1323	EA	14" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	174.91 1.76 11.40	8.21
08 71	11 00-1324	EA	14" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	183.27 1.76 11.40	8.21
08 71	11 00-1325	EA	14" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	193.56 1.76 11.40	8.69
08 71	11 00-1326	EA	14" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	201.92 1.76 11.40	8.69
08 71	11 00-1327	EA	14" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	210.27 1.76 11.40	8.69
08 71	11 00-1328	EA	14" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	220.57 1.76 11.40	9.17
08 71	11 00-1329	EA	14" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	228.96 1.76 11.40	9.17
08 71	11 00-1330	EA	14" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	237.31 1.76 11.40	9.17
08 71	11 00-1331	EA	16" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	168.58 1.76 11.40	7.72
08 71	11 00-1332	EA	16" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	181.11 1.76 11.40	7.72
08 71	11 00-1333	EA	16" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	193.63 1.76 11.40	7.72

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1334	EA		16" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	206.15 1.76 11.40	7.72
08 71 11 00-1335	EA		16" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	220.59 1.76 11.40	8.21
08 71 11 00-1336	EA		16" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	233.11 1.76 11.40	8.21
08 71 11 00-1337	EA		16" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	245.64 1.76 11.40	8.21
08 71 11 00-1338	EA		16" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	258.16 1.76 11.40	8.21
08 71 11 00-1339	EA		16" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	272.61 1.76 11.40	8.69
08 71 11 00-1340	EA		16" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	285.12 1.76 11.40	8.69
08 71 11 00-1341	EA		16" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	297.64 1.76 11.40	8.69
08 71 11 00-1342	EA		16" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	312.09 1.76 11.40	9.17
08 71 11 00-1343	EA		16" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	324.61 1.76 11.40	9.17
08 71 11 00-1344	EA		16" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	337.12 1.76 11.40	9.17
08 71 11 00-1345	EA		18" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	185.35 6.30 11.40	7.72
08 71 11 00-1346	EA		18" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	199.41 6.30 11.40	7.72
08 71 11 00-1347	EA		18" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	213.44 6.30 11.40	7.72
08 71 11 00-1348	EA		18" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	227.49 6.30 11.40	7.72
08 71 11 00-1349	EA		18" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	243.45 6.30 11.40	8.21
08 71 11 00-1350	EA		18" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	257.49 6.30 11.40	8.21
08 71 11 00-1351	EA		18" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	271.54 6.30 11.40	8.21
08 71 11 00-1352	EA		18" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	285.58 6.30 11.40	8.21
08 71 11 00-1353	EA		18" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	301.54 6.30 11.40	8.69
08 71 11 00-1354	EA		18" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	315.59 6.30 11.40	8.69
08 71 11 00-1355	EA		18" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	329.65 6.30 11.40	8.69
08 71 11 00-1356	EA		18" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	345.61 6.30 11.40	9.17
08 71 11 00-1357	EA		18" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	359.67 6.30 11.40	9.17
08 71 11 00-1358	EA		18" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	373.70 6.30 11.40	9.17
08 71 11 00-1359	EA		20" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	204.43 6.30 11.40	8.21
08 71 11 00-1360	EA		20" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	220.06 6.30 11.40	8.21
08 71 11 00-1361	EA		20" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	235.64 6.30 11.40	8.21



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1362 EA 20" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	251.27 6.30 11.40	8.21
08 71 11 00-1363 EA 20" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	268.79 6.30 11.40	8.69
08 71 11 00-1364 EA 20" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	284.38 6.30 11.40	8.69
08 71 11 00-1365 EA 20" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	300.00 6.30 11.40	8.69
08 71 11 00-1366 EA 20" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	315.59 6.30 11.40	8.69
08 71 11 00-1367 EA 20" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	333.15 6.30 11.40	9.17
08 71 11 00-1368 EA 20" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	348.74 6.30 11.40	9.17
08 71 11 00-1369 EA 20" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	364.33 6.30 11.40	9.17
08 71 11 00-1370 EA 20" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	381.88 6.30 11.40	9.65
08 71 11 00-1371 EA 20" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	397.47 6.30 11.40	9.65
08 71 11 00-1372 EA 20" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	413.09 6.30 11.40	9.65
08 71 11 00-1373 EA 22" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	221.60 6.30 11.40	8.21
08 71 11 00-1374 EA 22" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	238.78 6.30 11.40	8.21
08 71 11 00-1375 EA 22" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	255.94 6.30 11.40	8.21
08 71 11 00-1376 EA 22" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	273.09 6.30 11.40	8.21
08 71 11 00-1377 EA 22" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	292.20 6.30 11.40	8.69
08 71 11 00-1378 EA 22" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	309.36 6.30 11.40	8.69
08 71 11 00-1379 EA 22" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	326.53 6.30 11.40	8.69
08 71 11 00-1380 EA 22" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	343.68 6.30 11.40	8.69
08 71 11 00-1381 EA 22" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	362.79 6.30 11.40	9.17
08 71 11 00-1382 EA 22" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	379.95 6.30 11.40	9.17
08 71 11 00-1383 EA 22" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	397.11 6.30 11.40	9.17
08 71 11 00-1384 EA 22" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	416.20 6.30 11.40	9.65
08 71 11 00-1385 EA 22" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	433.35 6.30 11.40	9.65
08 71 11 00-1386 EA 22" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	450.53 6.30 11.40	9.65
08 71 11 00-1387 EA 24" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	238.78 6.30 11.40	8.21
08 71 11 00-1388 EA 24" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	257.49 6.30 11.40	8.21
08 71 11 00-1389 EA 24" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	276.22 6.30 11.40	8.21

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1390	EA		24" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	294.94 6.30 11.40	8.21
08 71 11 00-1391	EA		24" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	315.59 6.30 11.40	8.69
08 71 11 00-1392	EA		24" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	334.32 6.30 11.40	8.69
08 71 11 00-1393	EA		24" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	353.07 6.30 11.40	8.69
08 71 11 00-1394	EA		24" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	371.77 6.30 11.40	8.69
08 71 11 00-1395	EA		24" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	392.42 6.30 11.40	9.17
08 71 11 00-1396	EA		24" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	411.16 6.30 11.40	9.17
08 71 11 00-1397	EA		24" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	429.88 6.30 11.40	9.17
08 71 11 00-1398	EA		24" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	450.53 6.30 11.40	9.65
08 71 11 00-1399	EA		24" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	469.26 6.30 11.40	9.65
08 71 11 00-1400	EA		24" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	487.98 6.30 11.40	9.65
08 71 11 00-1401			Stainless Base Material Kick Plate (08 71 11 00-0763)		
08 71 11 00-1402			Satin Stainless Finish, Stainless Kick Plate (08 71 11 00-1401)		
08 71 11 00-1403	EA		8" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	45.35 1.76 11.40	7.24
08 71 11 00-1404	EA		8" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	46.86 1.76 11.40	7.24
08 71 11 00-1405	EA		8" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	48.33 1.76 11.40	7.24
08 71 11 00-1406	EA		8" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	49.85 1.76 11.40	7.24
08 71 11 00-1407	EA		8" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	53.26 1.76 11.40	7.72
08 71 11 00-1408	EA		8" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	54.73 1.76 11.40	7.72
08 71 11 00-1409	EA		8" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.25 1.76 11.40	7.72
08 71 11 00-1410	EA		8" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	57.74 1.76 11.40	7.72
08 71 11 00-1411	EA		8" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	61.16 1.76 11.40	8.21
08 71 11 00-1412	EA		8" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	62.66 1.76 11.40	8.21
08 71 11 00-1413	EA		8" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.14 1.76 11.40	8.21
08 71 11 00-1414	EA		8" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	67.57 1.76 11.40	8.69
08 71 11 00-1415	EA		8" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.06 1.76 11.40	8.69
08 71 11 00-1416	EA		8" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.54 1.76 11.40	8.69
08 71 11 00-1417	EA		10" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	49.45 1.76 11.40	7.24



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1418	EA		10" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.33 1.76 11.40	7.24
08 71 11 00-1419	EA		10" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	53.20 1.76 11.40	7.24
08 71 11 00-1420	EA		10" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	55.05 1.76 11.40	7.24
08 71 11 00-1421	EA		10" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.86 1.76 11.40	7.72
08 71 11 00-1422	EA		10" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.73 1.76 11.40	7.72
08 71 11 00-1423	EA		10" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	62.58 1.76 11.40	7.72
08 71 11 00-1424	EA		10" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.43 1.76 11.40	7.72
08 71 11 00-1425	EA		10" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.26 1.76 11.40	8.21
08 71 11 00-1426	EA		10" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.11 1.76 11.40	8.21
08 71 11 00-1427	EA		10" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.96 1.76 11.40	8.21
08 71 11 00-1428	EA		10" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.77 1.76 11.40	8.69
08 71 11 00-1429	EA		10" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.64 1.76 11.40	8.69
08 71 11 00-1430	EA		10" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.49 1.76 11.40	8.69
08 71 11 00-1431	EA		12" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	53.57 1.76 11.40	7.24
08 71 11 00-1432	EA		12" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	55.81 1.76 11.40	7.24
08 71 11 00-1433	EA		12" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.04 1.76 11.40	7.24
08 71 11 00-1434	EA		12" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.28 1.76 11.40	7.24
08 71 11 00-1435	EA		12" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.43 1.76 11.40	7.72
08 71 11 00-1436	EA		12" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.68 1.76 11.40	7.72
08 71 11 00-1437	EA		12" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.90 1.76 11.40	7.72
08 71 11 00-1438	EA		12" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.16 1.76 11.40	7.72
08 71 11 00-1439	EA		12" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.31 1.76 11.40	8.21
08 71 11 00-1440	EA		12" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.56 1.76 11.40	8.21
08 71 11 00-1441	EA		12" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.81 1.76 11.40	8.21
08 71 11 00-1442	EA		12" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.96 1.76 11.40	8.69
08 71 11 00-1443	EA		12" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.22 1.76 11.40	8.69
08 71 11 00-1444	EA		12" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.44 1.76 11.40	8.69
08 71 11 00-1445	EA		14" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.60 1.76 11.40	7.72

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1446	EA		14" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	62.21 1.76 11.40	7.72
08 71 11 00-1447	EA		14" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.83 1.76 11.40	7.72
08 71 11 00-1448	EA		14" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	67.44 1.76 11.40	7.72
08 71 11 00-1449	EA		14" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.96 1.76 11.40	8.21
08 71 11 00-1450	EA		14" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.58 1.76 11.40	8.21
08 71 11 00-1451	EA		14" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.19 1.76 11.40	8.21
08 71 11 00-1452	EA		14" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.81 1.76 11.40	8.21
08 71 11 00-1453	EA		14" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.36 1.76 11.40	8.69
08 71 11 00-1454	EA		14" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.94 1.76 11.40	8.69
08 71 11 00-1455	EA		14" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.56 1.76 11.40	8.69
08 71 11 00-1456	EA		14" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.11 1.76 11.40	9.17
08 71 11 00-1457	EA		14" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.72 1.76 11.40	9.17
08 71 11 00-1458	EA		14" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.34 1.76 11.40	9.17
08 71 11 00-1459	EA		16" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	65.85 1.76 11.40	7.72
08 71 11 00-1460	EA		16" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.19 1.76 11.40	7.72
08 71 11 00-1461	EA		16" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.39 1.76 11.40	7.72
08 71 11 00-1462	EA		16" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.57 1.76 11.40	7.72
08 71 11 00-1463	EA		16" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.69 1.76 11.40	8.21
08 71 11 00-1464	EA		16" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.89 1.76 11.40	8.21
08 71 11 00-1465	EA		16" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.08 1.76 11.40	8.21
08 71 11 00-1466	EA		16" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.27 1.76 11.40	8.21
08 71 11 00-1467	EA		16" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.38 1.76 11.40	8.69
08 71 11 00-1468	EA		16" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.60 1.76 11.40	8.69
08 71 11 00-1469	EA		16" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.80 1.76 11.40	8.69
08 71 11 00-1470	EA		16" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.18 1.76 11.40	9.17
08 71 11 00-1471	EA		16" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.10 1.76 11.40	9.17
08 71 11 00-1472	EA		16" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.30 1.76 11.40	9.17
08 71 11 00-1473	EA		18" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.50 6.30 11.40	7.72



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1474 EA 18" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.02 6.30 11.40	7.72
08 71 11 00-1475 EA 18" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.52 6.30 11.40	7.72
08 71 11 00-1476 EA 18" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.03 6.30 11.40	7.72
08 71 11 00-1477 EA 18" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.49 6.30 11.40	8.21
08 71 11 00-1478 EA 18" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.98 6.30 11.40	8.21
08 71 11 00-1479 EA 18" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.49 6.30 11.40	8.21
08 71 11 00-1480 EA 18" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.99 6.30 11.40	8.21
08 71 11 00-1481 EA 18" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.44 6.30 11.40	8.69
08 71 11 00-1482 EA 18" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	104.95 6.30 11.40	8.69
08 71 11 00-1483 EA 18" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	108.45 6.30 11.40	8.69
08 71 11 00-1484 EA 18" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.91 6.30 11.40	9.17
08 71 11 00-1485 EA 18" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	117.43 6.30 11.40	9.17
08 71 11 00-1486 EA 18" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.93 6.30 11.40	9.17
08 71 11 00-1487 EA 20" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.72 6.30 11.40	8.21
08 71 11 00-1488 EA 20" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.62 6.30 11.40	8.21
08 71 11 00-1489 EA 20" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.53 6.30 11.40	8.21
08 71 11 00-1490 EA 20" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.41 6.30 11.40	8.21
08 71 11 00-1491 EA 20" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.25 6.30 11.40	8.69
08 71 11 00-1492 EA 20" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.16 6.30 11.40	8.69
08 71 11 00-1493 EA 20" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.04 6.30 11.40	8.69
08 71 11 00-1494 EA 20" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	104.95 6.30 11.40	8.69
08 71 11 00-1495 EA 20" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.78 6.30 11.40	9.17
08 71 11 00-1496 EA 20" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.69 6.30 11.40	9.17
08 71 11 00-1497 EA 20" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	118.60 6.30 11.40	9.17
08 71 11 00-1498 EA 20" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	124.41 6.30 11.40	9.65
08 71 11 00-1499 EA 20" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.32 6.30 11.40	9.65
08 71 11 00-1500 EA 20" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	132.22 6.30 11.40	9.65
08 71 11 00-1501 EA 22" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.00 6.30 11.40	8.21

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1502	EA		22" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.31 6.30 11.40	8.21
08 71 11 00-1503	EA		22" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.58 6.30 11.40	8.21
08 71 11 00-1504	EA		22" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.89 6.30 11.40	8.21
08 71 11 00-1505	EA		22" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.09 6.30 11.40	8.69
08 71 11 00-1506	EA		22" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.40 6.30 11.40	8.69
08 71 11 00-1507	EA		22" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.68 6.30 11.40	8.69
08 71 11 00-1508	EA		22" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	111.98 6.30 11.40	8.69
08 71 11 00-1509	EA		22" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	118.19 6.30 11.40	9.17
08 71 11 00-1510	EA		22" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.48 6.30 11.40	9.17
08 71 11 00-1511	EA		22" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	126.79 6.30 11.40	9.17
08 71 11 00-1512	EA		22" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	132.99 6.30 11.40	9.65
08 71 11 00-1513	EA		22" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	137.30 6.30 11.40	9.65
08 71 11 00-1514	EA		22" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	141.57 6.30 11.40	9.65
08 71 11 00-1515	EA		24" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.31 6.30 11.40	8.21
08 71 11 00-1516	EA		24" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.98 6.30 11.40	8.21
08 71 11 00-1517	EA		24" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.68 6.30 11.40	8.21
08 71 11 00-1518	EA		24" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.34 6.30 11.40	8.21
08 71 11 00-1519	EA		24" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	104.95 6.30 11.40	8.69
08 71 11 00-1520	EA		24" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	109.63 6.30 11.40	8.69
08 71 11 00-1521	EA		24" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.32 6.30 11.40	8.69
08 71 11 00-1522	EA		24" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.00 6.30 11.40	8.69
08 71 11 00-1523	EA		24" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.61 6.30 11.40	9.17
08 71 11 00-1524	EA		24" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.29 6.30 11.40	9.17
08 71 11 00-1525	EA		24" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	134.97 6.30 11.40	9.17
08 71 11 00-1526	EA		24" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	141.57 6.30 11.40	9.65
08 71 11 00-1527	EA		24" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	146.26 6.30 11.40	9.65
08 71 11 00-1528	EA		24" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	150.96 6.30 11.40	9.65

08 71 11 00-1529 Bright Stainless Finish, Stainless Kick Plate (08 71 11 00-1401)



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1530	EA		8" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.74 1.76 11.40	7.24
08 71 11 00-1531	EA		8" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.19 1.76 11.40	7.24
08 71 11 00-1532	EA		8" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.61 1.76 11.40	7.24
08 71 11 00-1533	EA		8" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.05 1.76 11.40	7.24
08 71 11 00-1534	EA		8" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.40 1.76 11.40	7.72
08 71 11 00-1535	EA		8" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.85 1.76 11.40	7.72
08 71 11 00-1536	EA		8" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.27 1.76 11.40	7.72
08 71 11 00-1537	EA		8" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.72 1.76 11.40	7.72
08 71 11 00-1538	EA		8" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.06 1.76 11.40	8.21
08 71 11 00-1539	EA		8" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.51 1.76 11.40	8.21
08 71 11 00-1540	EA		8" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	104.96 1.76 11.40	8.21
08 71 11 00-1541	EA		8" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.32 1.76 11.40	8.69
08 71 11 00-1542	EA		8" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.75 1.76 11.40	8.69
08 71 11 00-1543	EA		8" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	117.17 1.76 11.40	8.69
08 71 11 00-1544	EA		10" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.19 1.76 11.40	7.24
08 71 11 00-1545	EA		10" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.47 1.76 11.40	7.24
08 71 11 00-1546	EA		10" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.78 1.76 11.40	7.24
08 71 11 00-1547	EA		10" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.08 1.76 11.40	7.24
08 71 11 00-1548	EA		10" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.29 1.76 11.40	7.72
08 71 11 00-1549	EA		10" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.58 1.76 11.40	7.72
08 71 11 00-1550	EA		10" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.89 1.76 11.40	7.72
08 71 11 00-1551	EA		10" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	108.19 1.76 11.40	7.72
08 71 11 00-1552	EA		10" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.40 1.76 11.40	8.21
08 71 11 00-1553	EA		10" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	118.70 1.76 11.40	8.21
08 71 11 00-1554	EA		10" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	123.01 1.76 11.40	8.21
08 71 11 00-1555	EA		10" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	129.20 1.76 11.40	8.69
08 71 11 00-1556	EA		10" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	133.51 1.76 11.40	8.69
08 71 11 00-1557	EA		10" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	137.81 1.76 11.40	8.69

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1558	EA		12" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.62 1.76 11.40	7.24
08 71 11 00-1559	EA		12" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.79 1.76 11.40	7.24
08 71 11 00-1560	EA		12" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.95 1.76 11.40	7.24
08 71 11 00-1561	EA		12" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.10 1.76 11.40	7.24
08 71 11 00-1562	EA		12" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	108.19 1.76 11.40	7.72
08 71 11 00-1563	EA		12" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.31 1.76 11.40	7.72
08 71 11 00-1564	EA		12" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	118.48 1.76 11.40	7.72
08 71 11 00-1565	EA		12" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	123.64 1.76 11.40	7.72
08 71 11 00-1566	EA		12" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.72 1.76 11.40	8.21
08 71 11 00-1567	EA		12" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	135.88 1.76 11.40	8.21
08 71 11 00-1568	EA		12" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	141.02 1.76 11.40	8.21
08 71 11 00-1569	EA		12" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	148.12 1.76 11.40	8.69
08 71 11 00-1570	EA		12" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	153.26 1.76 11.40	8.69
08 71 11 00-1571	EA		12" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.41 1.76 11.40	8.69
08 71 11 00-1572	EA		14" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.02 1.76 11.40	7.72
08 71 11 00-1573	EA		14" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.03 1.76 11.40	7.72
08 71 11 00-1574	EA		14" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	109.05 1.76 11.40	7.72
08 71 11 00-1575	EA		14" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	115.06 1.76 11.40	7.72
08 71 11 00-1576	EA		14" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	123.01 1.76 11.40	8.21
08 71 11 00-1577	EA		14" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	129.01 1.76 11.40	8.21
08 71 11 00-1578	EA		14" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	135.02 1.76 11.40	8.21
08 71 11 00-1579	EA		14" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	141.02 1.76 11.40	8.21
08 71 11 00-1580	EA		14" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	148.98 1.76 11.40	8.69
08 71 11 00-1581	EA		14" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	154.99 1.76 11.40	8.69
08 71 11 00-1582	EA		14" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	161.01 1.76 11.40	8.69
08 71 11 00-1583	EA		14" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	168.95 1.76 11.40	9.17
08 71 11 00-1584	EA		14" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	174.93 1.76 11.40	9.17
08 71 11 00-1585	EA		14" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	180.95 1.76 11.40	9.17



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1586 EA 16" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.46 1.76 11.40	7.72
08 71 11 00-1587 EA 16" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.31 1.76 11.40	7.72
08 71 11 00-1588 EA 16" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.22 1.76 11.40	7.72
08 71 11 00-1589 EA 16" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	127.08 1.76 11.40	7.72
08 71 11 00-1590 EA 16" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	135.88 1.76 11.40	8.21
08 71 11 00-1591 EA 16" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	142.75 1.76 11.40	8.21
08 71 11 00-1592 EA 16" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	149.61 1.76 11.40	8.21
08 71 11 00-1593 EA 16" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	156.48 1.76 11.40	8.21
08 71 11 00-1594 EA 16" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	165.29 1.76 11.40	8.69
08 71 11 00-1595 EA 16" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	172.15 1.76 11.40	8.69
08 71 11 00-1596 EA 16" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	179.02 1.76 11.40	8.69
08 71 11 00-1597 EA 16" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	187.82 1.76 11.40	9.17
08 71 11 00-1598 EA 16" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	194.71 1.76 11.40	9.17
08 71 11 00-1599 EA 16" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	201.58 1.76 11.40	9.17
08 71 11 00-1600 EA 18" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.91 6.30 11.40	7.72
08 71 11 00-1601 EA 18" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	124.76 6.30 11.40	7.72
08 71 11 00-1602 EA 18" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	132.56 6.30 11.40	7.72
08 71 11 00-1603 EA 18" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	140.41 6.30 11.40	7.72
08 71 11 00-1604 EA 18" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	150.16 6.30 11.40	8.21
08 71 11 00-1605 EA 18" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	157.95 6.30 11.40	8.21
08 71 11 00-1606 EA 18" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	165.80 6.30 11.40	8.21
08 71 11 00-1607 EA 18" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	178.07 6.30 11.40	8.21
08 71 11 00-1608 EA 18" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	183.37 6.30 11.40	8.69
08 71 11 00-1609 EA 18" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	191.19 6.30 11.40	8.69
08 71 11 00-1610 EA 18" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	199.02 6.30 11.40	8.69
08 71 11 00-1611 EA 18" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	208.77 6.30 11.40	9.17
08 71 11 00-1612 EA 18" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	216.59 6.30 11.40	9.17
08 71 11 00-1613 EA 18" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	224.41 6.30 11.40	9.17

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1614	EA		20" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.43 6.30 11.40	8.21
08 71 11 00-1615	EA		20" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	137.11 6.30 11.40	8.21
08 71 11 00-1616	EA		20" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	145.80 6.30 11.40	8.21
08 71 11 00-1617	EA		20" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	154.48 6.30 11.40	8.21
08 71 11 00-1618	EA		20" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	165.11 6.30 11.40	8.69
08 71 11 00-1619	EA		20" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	173.82 6.30 11.40	8.69
08 71 11 00-1620	EA		20" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	182.48 6.30 11.40	8.69
08 71 11 00-1621	EA		20" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	191.19 6.30 11.40	8.69
08 71 11 00-1622	EA		20" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	201.79 6.30 11.40	9.17
08 71 11 00-1623	EA		20" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	210.50 6.30 11.40	9.17
08 71 11 00-1624	EA		20" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	219.20 6.30 11.40	9.17
08 71 11 00-1625	EA		20" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	229.81 6.30 11.40	9.65
08 71 11 00-1626	EA		20" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	238.50 6.30 11.40	9.65
08 71 11 00-1627	EA		20" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	247.18 6.30 11.40	9.65
08 71 11 00-1628	EA		22" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	137.98 6.30 11.40	8.21
08 71 11 00-1629	EA		22" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	147.54 6.30 11.40	8.21
08 71 11 00-1630	EA		22" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	157.09 6.30 11.40	8.21
08 71 11 00-1631	EA		22" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	166.65 6.30 11.40	8.21
08 71 11 00-1632	EA		22" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	178.14 6.30 11.40	8.69
08 71 11 00-1633	EA		22" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	187.71 6.30 11.40	8.69
08 71 11 00-1634	EA		22" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	197.28 6.30 11.40	8.69
08 71 11 00-1635	EA		22" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	206.84 6.30 11.40	8.69
08 71 11 00-1636	EA		22" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	218.32 6.30 11.40	9.17
08 71 11 00-1637	EA		22" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	227.88 6.30 11.40	9.17
08 71 11 00-1638	EA		22" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	237.43 6.30 11.40	9.17
08 71 11 00-1639	EA		22" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	248.92 6.30 11.40	9.65
08 71 11 00-1640	EA		22" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	258.50 6.30 11.40	9.65
08 71 11 00-1641	EA		22" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	268.05 6.30 11.40	9.65



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1642 EA 24" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	147.54 6.30 11.40	8.21
08 71 11 00-1643 EA 24" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	157.95 6.30 11.40	8.21
08 71 11 00-1644 EA 24" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	168.39 6.30 11.40	8.21
08 71 11 00-1645 EA 24" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	178.82 6.30 11.40	8.21
08 71 11 00-1646 EA 24" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	191.19 6.30 11.40	8.69
08 71 11 00-1647 EA 24" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	201.61 6.30 11.40	8.69
08 71 11 00-1648 EA 24" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	212.04 6.30 11.40	8.69
08 71 11 00-1649 EA 24" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	222.48 6.30 11.40	8.69
08 71 11 00-1650 EA 24" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	234.84 6.30 11.40	9.17
08 71 11 00-1651 EA 24" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	245.25 6.30 11.40	9.17
08 71 11 00-1652 EA 24" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	255.69 6.30 11.40	9.17
08 71 11 00-1653 EA 24" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	268.05 6.30 11.40	9.65
08 71 11 00-1654 EA 24" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	278.50 6.30 11.40	9.65
08 71 11 00-1655 EA 24" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	288.91 6.30 11.40	9.65
08 71 11 00-1656 Plastic Kick Plate <small>(08 71 11 00-0763)</small>		
08 71 11 00-1657 Clear Or Black Finish, Plastic Kick Plate <small>(08 71 11 00-1656)</small>		
Note: With four beveled edges.		
08 71 11 00-1658 EA 8" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	40.87	7.24
08 71 11 00-1659 EA 8" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	41.93	7.24
08 71 11 00-1660 EA 8" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	43.04	7.24
08 71 11 00-1661 EA 8" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	44.12	7.24
08 71 11 00-1662 EA 8" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	47.14	7.72
08 71 11 00-1663 EA 8" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	48.22	7.72
08 71 11 00-1664 EA 8" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	49.28	7.72
08 71 11 00-1665 EA 8" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	50.39	7.72
08 71 11 00-1666 EA 8" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	54.71	8.21
08 71 11 00-1667 EA 8" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	54.46	8.21
08 71 11 00-1668 EA 8" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	55.57	8.21
08 71 11 00-1669 EA 8" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	58.57	8.69
08 71 11 00-1670 EA 8" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	59.67	8.69
08 71 11 00-1671 EA 8" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	60.74	8.69
08 71 11 00-1672 EA 10" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	43.84	7.24
08 71 11 00-1673 EA 10" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	45.21	7.24
08 71 11 00-1674 EA 10" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	46.55	7.24
08 71 11 00-1675 EA 10" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	47.89	7.24
08 71 11 00-1676 EA 10" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	51.19	7.72
08 71 11 00-1677 EA 10" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	52.53	7.72
08 71 11 00-1678 EA 10" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	53.90	7.72
08 71 11 00-1679 EA 10" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	55.24	7.72
08 71 11 00-1680 EA 10" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	58.54	8.21
08 71 11 00-1681 EA 10" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	59.88	8.21
08 71 11 00-1682 EA 10" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	61.25	8.21
08 71 11 00-1683 EA 10" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	64.52	8.69
08 71 11 00-1684 EA 10" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	65.89	8.69
08 71 11 00-1685 EA 10" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	67.23	8.69
08 71 11 00-1686 EA 12" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	46.83	7.24
08 71 11 00-1687 EA 12" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	48.46	7.24
08 71 11 00-1688 EA 12" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	50.06	7.24
08 71 11 00-1689 EA 12" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	51.71	7.24
08 71 11 00-1690 EA 12" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	55.24	7.72
08 71 11 00-1691 EA 12" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	56.88	7.72
08 71 11 00-1692 EA 12" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	58.52	7.72
08 71 11 00-1693 EA 12" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	60.13	7.72

08 Openings

08 70 Hardware

08 71 Door Hardware


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 71 11 00-1694	EA	12" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	63.67	8.21
08 71 11 00-1695	EA	12" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	65.30	8.21
08 71 11 00-1696	EA	12" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	66.94	8.21
08 71 11 00-1697	EA	12" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	70.48	8.69
08 71 11 00-1698	EA	12" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	72.12	8.69
08 71 11 00-1699	EA	12" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	73.73	8.69
08 71 11 00-1700	EA	14" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	51.73	7.72
08 71 11 00-1701	EA	14" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	53.64	7.72
08 71 11 00-1702	EA	14" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	55.52	7.72
08 71 11 00-1703	EA	14" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	57.42	7.72
08 71 11 00-1704	EA	14" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	61.25	8.21
08 71 11 00-1705	EA	14" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	63.13	8.21
08 71 11 00-1706	EA	14" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	65.04	8.21
08 71 11 00-1707	EA	14" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	66.94	8.21
08 71 11 00-1708	EA	14" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	70.75	8.69
08 71 11 00-1709	EA	14" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	72.66	8.69
08 71 11 00-1710	EA	14" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	74.56	8.69
08 71 11 00-1711	EA	14" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	78.37	9.17
08 71 11 00-1712	EA	14" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	80.27	9.17
08 71 11 00-1713	EA	14" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	82.15	9.17
08 71 11 00-1714	EA	16" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	58.28	7.72
08 71 11 00-1715	EA	16" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	60.78	7.72
08 71 11 00-1716	EA	16" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	63.24	7.72
08 71 11 00-1717	EA	16" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	65.74	7.72
08 71 11 00-1718	EA	16" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	70.17	8.21
08 71 11 00-1719	EA	16" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	72.65	8.21
08 71 11 00-1720	EA	16" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	75.15	8.21
08 71 11 00-1721	EA	16" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	77.62	8.21
08 71 11 00-1722	EA	16" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	82.05	8.69
08 71 11 00-1723	EA	16" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	84.54	8.69
08 71 11 00-1724	EA	16" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	87.04	8.69
08 71 11 00-1725	EA	16" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	91.47	9.17
08 71 11 00-1726	EA	16" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	93.93	9.17
08 71 11 00-1727	EA	16" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	96.43	9.17
08 71 11 00-1728	EA	18" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	61.69	7.72
08 71 11 00-1729	EA	18" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	64.50	7.72
08 71 11 00-1730	EA	18" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	67.29	7.72
08 71 11 00-1731	EA	18" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	70.10	7.72
08 71 11 00-1732	EA	18" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	137.01	8.21
08 71 11 00-1733	EA	18" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	77.62	8.21
08 71 11 00-1734	EA	18" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	80.44	8.21
08 71 11 00-1735	EA	18" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	83.23	8.21
08 71 11 00-1736	EA	18" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	87.97	8.69
08 71 11 00-1737	EA	18" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	90.77	8.69
08 71 11 00-1738	EA	18" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	93.56	8.69
08 71 11 00-1739	EA	18" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	98.31	9.17
08 71 11 00-1740	EA	18" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	101.10	9.17
08 71 11 00-1741	EA	18" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	103.91	9.17
08 71 11 00-1742	EA	20" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	67.05	8.21
08 71 11 00-1743	EA	20" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	70.17	8.21
08 71 11 00-1744	EA	20" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	73.27	8.21
08 71 11 00-1745	EA	20" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	76.39	8.21
08 71 11 00-1746	EA	20" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	81.43	8.69
08 71 11 00-1747	EA	20" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	84.54	8.69
08 71 11 00-1748	EA	20" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	87.66	8.69
08 71 11 00-1749	EA	20" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	90.77	8.69
08 71 11 00-1750	EA	20" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	95.81	9.17
08 71 11 00-1751	EA	20" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	98.92	9.17
08 71 11 00-1752	EA	20" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	102.03	9.17
08 71 11 00-1753	EA	20" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	107.08	9.65
08 71 11 00-1754	EA	20" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	110.19	9.65
08 71 11 00-1755	EA	20" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	113.30	9.65
08 71 11 00-1756	EA	22" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	70.48	8.21
08 71 11 00-1757	EA	22" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	73.89	8.21
08 71 11 00-1758	EA	22" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	77.32	8.21
08 71 11 00-1759	EA	22" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	80.73	8.21
08 71 11 00-1760	EA	22" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	86.10	8.69
08 71 11 00-1761	EA	22" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	89.54	8.69
08 71 11 00-1762	EA	22" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	92.94	8.69
08 71 11 00-1763	EA	22" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	96.38	8.69
08 71 11 00-1764	EA	22" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	101.71	9.17
08 71 11 00-1765	EA	22" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	105.15	9.17
08 71 11 00-1766	EA	22" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	108.58	9.17
08 71 11 00-1767	EA	22" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	113.92	9.65
08 71 11 00-1768	EA	22" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	117.35	9.65
08 71 11 00-1769	EA	22" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	120.76	9.65
08 71 11 00-1770	EA	24" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	73.89	8.21
08 71 11 00-1771	EA	24" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	77.62	8.21
08 71 11 00-1772	EA	24" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	81.37	8.21
08 71 11 00-1773	EA	24" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	85.11	8.21
08 71 11 00-1774	EA	24" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	90.77	8.69



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1775	EA		24" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	94.50	8.69
08 71 11 00-1776	EA		24" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	98.23	8.69
08 71 11 00-1777	EA		24" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	101.98	8.69
08 71 11 00-1778	EA		24" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	107.65	9.17
08 71 11 00-1779	EA		24" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	111.37	9.17
08 71 11 00-1780	EA		24" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	115.10	9.17
08 71 11 00-1781	EA		24" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	120.76	9.65
08 71 11 00-1782	EA		24" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	124.52	9.65
08 71 11 00-1783	EA		24" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	128.25	9.65
08 71 11 00-1784			Mop Plate (08 71 11 00-0762) Note: Ives 8400.		
08 71 11 00-1785			Aluminum Base Material Mop Plate (08 71 11 00-1784)		
08 71 11 00-1786			Satin Aluminum Finish, Aluminum Mop Plate (08 71 11 00-1785)		
08 71 11 00-1787	EA		4" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	36.58	7.05
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1788	EA		4" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	37.37	7.05
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1789	EA		4" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	38.12	7.05
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1790	EA		4" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	38.91	7.05
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1791	EA		4" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	40.85	7.33
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1792	EA		4" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	41.61	7.33
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1793	EA		4" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	42.39	7.33
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1794	EA		4" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	43.15	7.33
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1795	EA		4" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	45.57	7.72
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1796	EA		4" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	46.34	7.72
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1797	EA		4" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	47.12	7.72
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1798	EA		4" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	49.82	8.21
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1799	EA		4" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	50.60	8.21
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1800	EA		4" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	51.36	8.21
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1801	EA		6" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	40.83	7.05
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1802	EA		6" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	41.99	7.05
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1803	EA		6" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	43.16	7.05
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1804	EA		6" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	44.32	7.05
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1805	EA		6" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	46.65	7.33
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1806	EA		6" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	47.79	7.33
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1807	EA		6" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	48.97	7.33
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1808	EA		6" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	50.11	7.33
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1809	EA		6" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	52.92 1.76 11.40	7.72
08 71 11 00-1810	EA		6" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	54.08 1.76 11.40	7.72
08 71 11 00-1811	EA		6" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	55.25 1.76 11.40	7.72
08 71 11 00-1812	EA		6" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.33 1.76 11.40	8.21
08 71 11 00-1813	EA		6" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.50 1.76 11.40	8.21
08 71 11 00-1814	EA		6" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.64 1.76 11.40	8.21
08 71 11 00-1815 Brass Base Material Mop Plate (08 71 11 00-1784)					
08 71 11 00-1816 Bright/Satin Brass Finish, Brass Mop Plate (08 71 11 00-1815)					
08 71 11 00-1817	EA		4" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	52.91 1.76 11.40	7.05
08 71 11 00-1818	EA		4" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	55.19 1.76 11.40	7.05
08 71 11 00-1819	EA		4" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	57.44 1.76 11.40	7.05
08 71 11 00-1820	EA		4" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.71 1.76 11.40	7.05
08 71 11 00-1821	EA		4" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.12 1.76 11.40	7.33
08 71 11 00-1822	EA		4" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	65.37 1.76 11.40	7.33
08 71 11 00-1823	EA		4" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	67.64 1.76 11.40	7.33
08 71 11 00-1824	EA		4" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.89 1.76 11.40	7.33
08 71 11 00-1825	EA		4" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.79 1.76 11.40	7.72
08 71 11 00-1826	EA		4" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.04 1.76 11.40	7.72
08 71 11 00-1827	EA		4" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	78.30 1.76 11.40	7.72
08 71 11 00-1828	EA		4" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.49 1.76 11.40	8.21
08 71 11 00-1829	EA		4" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.74 1.76 11.40	8.21
08 71 11 00-1830	EA		4" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.03 1.76 11.40	8.21
08 71 11 00-1831	EA		6" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	65.35 1.76 11.40	7.05
08 71 11 00-1832	EA		6" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.73 1.76 11.40	7.05
08 71 11 00-1833	EA		6" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.12 1.76 11.40	7.05
08 71 11 00-1834	EA		6" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.50 1.76 11.40	7.05
08 71 11 00-1835	EA		6" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.05 1.76 11.40	7.33
08 71 11 00-1836	EA		6" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.46 1.76 11.40	7.33



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1837 EA 6" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.82 1.76 11.40	7.33
08 71 11 00-1838 EA 6" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.23 1.76 11.40	7.33
08 71 11 00-1839 EA 6" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.23 1.76 11.40	7.72
08 71 11 00-1840 EA 6" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.63 1.76 11.40	7.72
08 71 11 00-1841 EA 6" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.03 1.76 11.40	7.72
08 71 11 00-1842 EA 6" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.33 1.76 11.40	8.21
08 71 11 00-1843 EA 6" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.73 1.76 11.40	8.21
08 71 11 00-1844 EA 6" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.10 1.76 11.40	8.21
08 71 11 00-1845 Bright/Satin Chrome Finish, Brass Mop Plate (08 71 11 00-1815)		
08 71 11 00-1846 EA 4" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	55.26 1.76 11.40	7.05
08 71 11 00-1847 EA 4" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	57.72 1.76 11.40	7.05
08 71 11 00-1848 EA 4" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.19 1.76 11.40	7.05
08 71 11 00-1849 EA 4" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	62.67 1.76 11.40	7.05
08 71 11 00-1850 EA 4" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.29 1.76 11.40	7.33
08 71 11 00-1851 EA 4" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.76 1.76 11.40	7.33
08 71 11 00-1852 EA 4" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.23 1.76 11.40	7.33
08 71 11 00-1853 EA 4" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.69 1.76 11.40	7.33
08 71 11 00-1854 EA 4" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.81 1.76 11.40	7.72
08 71 11 00-1855 EA 4" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.30 1.76 11.40	7.72
08 71 11 00-1856 EA 4" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.77 1.76 11.40	7.72
08 71 11 00-1857 EA 4" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.17 1.76 11.40	8.21
08 71 11 00-1858 EA 4" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.63 1.76 11.40	8.21
08 71 11 00-1859 EA 4" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.11 1.76 11.40	8.21
08 71 11 00-1860 EA 6" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.85 1.76 11.40	7.05
08 71 11 00-1861 EA 6" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.53 1.76 11.40	7.05
08 71 11 00-1862 EA 6" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.25 1.76 11.40	7.05
08 71 11 00-1863 EA 6" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.97 1.76 11.40	7.05
08 71 11 00-1864 EA 6" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.82 1.76 11.40	7.33

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1865	EA		6" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	88.54	7.33
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1866	EA		6" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	92.22	7.33
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1867	EA		6" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	95.94	7.33
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1868	EA		6" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	101.30	7.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1869	EA		6" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	104.99	7.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1870	EA		6" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	108.71	7.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1871	EA		6" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	114.33	8.21
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1872	EA		6" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	118.04	8.21
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1873	EA		6" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	121.75	8.21
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1874			Satin/Dark Bronze Finish, Brass Mop Plate <small>(08 71 11 00-1875)</small>		
08 71 11 00-1875	EA		4" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	55.71	7.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1876	EA		4" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	58.21	7.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1877	EA		4" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	60.73	7.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1878	EA		4" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	63.23	7.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1879	EA		4" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	66.91	7.33
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1880	EA		4" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	69.43	7.33
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1881	EA		4" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	71.95	7.33
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1882	EA		4" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	74.46	7.33
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1883	EA		4" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	78.59	7.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1884	EA		4" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	81.11	7.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1885	EA		4" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	83.63	7.72
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1886	EA		4" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	88.08	8.21
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1887	EA		4" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	90.60	8.21
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1888	EA		4" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	93.08	8.21
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1889	EA		6" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	69.51	7.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1890	EA		6" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	73.30	7.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1891	EA		6" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	77.07	7.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1892	EA		6" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	88.16	7.05
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1893 EA 6" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.75 1.76 11.40	7.33
08 71 11 00-1894 EA 6" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.51 1.76 11.40	7.33
08 71 11 00-1895 EA 6" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.28 1.76 11.40	7.33
08 71 11 00-1896 EA 6" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.04 1.76 11.40	7.33
08 71 11 00-1897 EA 6" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.47 1.76 11.40	7.72
08 71 11 00-1898 EA 6" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.23 1.76 11.40	7.72
08 71 11 00-1899 EA 6" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.00 1.76 11.40	7.72
08 71 11 00-1900 EA 6" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	115.69 1.76 11.40	8.21
08 71 11 00-1901 EA 6" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.45 1.76 11.40	8.21
08 71 11 00-1902 EA 6" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	123.21 1.76 11.40	8.21
08 71 11 00-1903 Satin Nickel Finish, Brass Mop Plate (08 71 11 00-1815)		
08 71 11 00-1904 EA 4" x 22", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.24 1.76 11.40	7.05
08 71 11 00-1905 EA 4" x 24", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.77 1.76 11.40	7.05
08 71 11 00-1906 EA 4" x 26", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	61.35 1.76 11.40	7.05
08 71 11 00-1907 EA 4" x 28", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.91 1.76 11.40	7.05
08 71 11 00-1908 EA 4" x 30", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	67.64 1.76 11.40	7.33
08 71 11 00-1909 EA 4" x 32", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.18 1.76 11.40	7.33
08 71 11 00-1910 EA 4" x 34", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.75 1.76 11.40	7.33
08 71 11 00-1911 EA 4" x 36", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.31 1.76 11.40	7.33
08 71 11 00-1912 EA 4" x 38", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.53 1.76 11.40	7.72
08 71 11 00-1913 EA 4" x 40", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.07 1.76 11.40	7.72
08 71 11 00-1914 EA 4" x 42", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.62 1.76 11.40	7.72
08 71 11 00-1915 EA 4" x 44", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.13 1.76 11.40	8.21
08 71 11 00-1916 EA 4" x 46", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.69 1.76 11.40	8.21
08 71 11 00-1917 EA 4" x 48", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.22 1.76 11.40	8.21
08 71 11 00-1918 EA 6" x 22", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.31 1.76 11.40	7.05
08 71 11 00-1919 EA 6" x 24", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.15 1.76 11.40	7.05
08 71 11 00-1920 EA 6" x 26", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.98 1.76 11.40	7.05

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1921	EA		6" x 28", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	81.82 1.76 11.40	7.05
08 71 11 00-1922	EA		6" x 30", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.82 1.76 11.40	7.33
08 71 11 00-1923	EA		6" x 32", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.65 1.76 11.40	7.33
08 71 11 00-1924	EA		6" x 34", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.49 1.76 11.40	7.33
08 71 11 00-1925	EA		6" x 36", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.34 1.76 11.40	7.33
08 71 11 00-1926	EA		6" x 38", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.82 1.76 11.40	7.72
08 71 11 00-1927	EA		6" x 40", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.67 1.76 11.40	7.72
08 71 11 00-1928	EA		6" x 42", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	111.51 1.76 11.40	7.72
08 71 11 00-1929	EA		6" x 44", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	117.27 1.76 11.40	8.21
08 71 11 00-1930	EA		6" x 46", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	121.11 1.76 11.40	8.21
08 71 11 00-1931	EA		6" x 48", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	124.96 1.76 11.40	8.21
08 71 11 00-1932			Stainless Base Material Mop Plate (08 71 11 00-1784)		
08 71 11 00-1933			Satin Stainless Finish, Stainless Mop Plate (08 71 11 00-1932)		
08 71 11 00-1934	EA		4" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	37.13 1.76 11.40	7.05
08 71 11 00-1935	EA		4" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	37.93 1.76 11.40	7.05
08 71 11 00-1936	EA		4" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	38.76 1.76 11.40	7.05
08 71 11 00-1937	EA		4" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	39.57 1.76 11.40	7.05
08 71 11 00-1938	EA		4" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	41.56 1.76 11.40	7.33
08 71 11 00-1939	EA		4" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	42.39 1.76 11.40	7.33
08 71 11 00-1940	EA		4" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	43.19 1.76 11.40	7.33
08 71 11 00-1941	EA		4" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	44.02 1.76 11.40	7.33
08 71 11 00-1942	EA		4" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	46.48 1.76 11.40	7.72
08 71 11 00-1943	EA		4" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	47.31 1.76 11.40	7.72
08 71 11 00-1944	EA		4" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	48.14 1.76 11.40	7.72
08 71 11 00-1945	EA		4" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	50.87 1.76 11.40	8.21
08 71 11 00-1946	EA		4" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.70 1.76 11.40	8.21
08 71 11 00-1947	EA		4" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	52.51 1.76 11.40	8.21
08 71 11 00-1948	EA		6" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	41.62 1.76 11.40	7.05



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1949 EA 6" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	42.86 1.76 11.40	7.05
08 71 11 00-1950 EA 6" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	44.09 1.76 11.40	7.05
08 71 11 00-1951 EA 6" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	45.34 1.76 11.40	7.05
08 71 11 00-1952 EA 6" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	47.71 1.76 11.40	7.33
08 71 11 00-1953 EA 6" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	48.94 1.76 11.40	7.33
08 71 11 00-1954 EA 6" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	50.19 1.76 11.40	7.33
08 71 11 00-1955 EA 6" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.42 1.76 11.40	7.33
08 71 11 00-1956 EA 6" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	54.30 1.76 11.40	7.72
08 71 11 00-1957 EA 6" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	55.51 1.76 11.40	7.72
08 71 11 00-1958 EA 6" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.74 1.76 11.40	7.72
08 71 11 00-1959 EA 6" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.92 1.76 11.40	8.21
08 71 11 00-1960 EA 6" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	61.13 1.76 11.40	8.21
08 71 11 00-1961 EA 6" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	62.38 1.76 11.40	8.21
08 71 11 00-1962 Bright Stainless Finish, Stainless Mop Plate (08 71 11 00-1932)		
08 71 11 00-1963 EA 4" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	48.17 1.76 11.40	7.05
08 71 11 00-1964 EA 4" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	50.00 1.76 11.40	7.05
08 71 11 00-1965 EA 4" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.84 1.76 11.40	7.05
08 71 11 00-1966 EA 4" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	53.65 1.76 11.40	7.05
08 71 11 00-1967 EA 4" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.64 1.76 11.40	7.33
08 71 11 00-1968 EA 4" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.47 1.76 11.40	7.33
08 71 11 00-1969 EA 4" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.30 1.76 11.40	7.33
08 71 11 00-1970 EA 4" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	62.14 1.76 11.40	7.33
08 71 11 00-1971 EA 4" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	65.59 1.76 11.40	7.72
08 71 11 00-1972 EA 4" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	67.42 1.76 11.40	7.72
08 71 11 00-1973 EA 4" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.26 1.76 11.40	7.72
08 71 11 00-1974 EA 4" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.01 1.76 11.40	8.21
08 71 11 00-1975 EA 4" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.85 1.76 11.40	8.21
08 71 11 00-1976 EA 4" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.66 1.76 11.40	8.21

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1977	EA		6" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.21 1.76 11.40	7.05
08 71 11 00-1978	EA		6" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.98 1.76 11.40	7.05
08 71 11 00-1979	EA		6" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.72 1.76 11.40	7.05
08 71 11 00-1980	EA		6" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.46 1.76 11.40	7.05
08 71 11 00-1981	EA		6" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.35 1.76 11.40	7.33
08 71 11 00-1982	EA		6" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.09 1.76 11.40	7.33
08 71 11 00-1983	EA		6" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.83 1.76 11.40	7.33
08 71 11 00-1984	EA		6" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	78.57 1.76 11.40	7.33
08 71 11 00-1985	EA		6" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.96 1.76 11.40	7.72
08 71 11 00-1986	EA		6" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.70 1.76 11.40	7.72
08 71 11 00-1987	EA		6" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.44 1.76 11.40	7.72
08 71 11 00-1988	EA		6" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.11 1.76 11.40	8.21
08 71 11 00-1989	EA		6" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.84 1.76 11.40	8.21
08 71 11 00-1990	EA		6" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.58 1.76 11.40	8.21
08 71 11 00-1991			Plastic Mop Plate (08 71 11 00-1784)		
08 71 11 00-1992			Clear Or Black Finish, Plastic Mop Plate (08 71 11 00-1991) Note: With four beveled edges.		
08 71 11 00-1993	EA		4" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	35.60	7.05
08 71 11 00-1994	EA		4" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	36.29	7.05
08 71 11 00-1995	EA		4" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	36.98	7.05
08 71 11 00-1996	EA		4" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	37.66	7.05
08 71 11 00-1997	EA		4" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	39.51	7.33
08 71 11 00-1998	EA		4" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	40.19	7.33
08 71 11 00-1999	EA		4" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	40.87	7.33
08 71 11 00-2000	EA		4" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	41.56	7.33
08 71 11 00-2001	EA		4" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	43.89	7.72
08 71 11 00-2002	EA		4" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	44.57	7.72
08 71 11 00-2003	EA		4" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	45.25	7.72
08 71 11 00-2004	EA		4" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	47.86	8.21
08 71 11 00-2005	EA		4" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	48.56	8.21
08 71 11 00-2006	EA		4" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	49.24	8.21
08 71 11 00-2007	EA		6" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	39.37	7.05
08 71 11 00-2008	EA		6" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	40.40	7.05
08 71 11 00-2009	EA		6" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	41.43	7.05
08 71 11 00-2010	EA		6" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	42.45	7.05



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2011	EA		6" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	44.65	7.33
08 71 11 00-2012	EA		6" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	45.67	7.33
08 71 11 00-2013	EA		6" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	46.69	7.33
08 71 11 00-2014	EA		6" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	47.71	7.33
08 71 11 00-2015	EA		6" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	50.39	7.72
08 71 11 00-2016	EA		6" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	51.41	7.72
08 71 11 00-2017	EA		6" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	52.43	7.72
08 71 11 00-2018	EA		6" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	55.40	8.21
08 71 11 00-2019	EA		6" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	56.42	8.21
08 71 11 00-2020	EA		6" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	57.44	8.21
08 71 11 00-2021			Armor Door Plate <small>(08 71 11 00-0762)</small> Note: Size ranges of 26" to 48" high, 22" to 48" wide. lves 8400.		
08 71 11 00-2022	SF		4 to 8 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate	17.15	1.21
08 71 11 00-2023	SF		>8 to 16 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate	16.08	0.95
08 71 11 00-2024	SF		4 to 8 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate	18.87	1.21
08 71 11 00-2025	SF		>8 to 16 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate	17.80	0.95
08 71 11 00-2026	SF		4 to 8 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	36.12	1.21
08 71 11 00-2027	SF		>8 to 16 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	35.05	0.95
08 71 11 00-2028			Pull Handle And Plates <small>(08 71 11 00-0762)</small>		
08 71 11 00-2029			Pull Handle <small>(08 71 11 00-2028)</small>		
08 71 11 00-2030	EA		3/4" Diameter Aluminum Door Pulls, 6" Long	62.17	7.96
			For Stainless Steel, Add	12.73	
			For Brass, Add	17.28	
08 71 11 00-2031	EA		3/4" Diameter Aluminum Door Pulls, 8" Long	62.17	7.96
			For Stainless Steel, Add	12.73	
			For Brass, Add	17.28	
08 71 11 00-2032	EA		3/4" Diameter Aluminum Door Pulls, 10" Long	65.17	7.96
			For Stainless Steel, Add	13.99	
			For Brass, Add	18.99	
08 71 11 00-2033	EA		1" Diameter Aluminum Door Pulls, 8" Long	72.24	7.96
			For Stainless Steel, Add	16.96	
			For Brass, Add	23.02	
08 71 11 00-2034	EA		1" Diameter Aluminum Door Pulls, 10" Long	76.30	7.96
			For Stainless Steel, Add	18.67	
			For Brass, Add	25.34	
08 71 11 00-2035	EA		1" Diameter Aluminum Door Pulls, 12" Long	81.65	7.96
			For Stainless Steel, Add	20.92	
			For Brass, Add	28.39	
08 71 11 00-2036	EA		1" Flattened x 1/2" Round Aluminum Door Pulls, 6" Long	65.87	7.96
			For Stainless Steel, Add	14.29	
			For Brass, Add	19.39	
08 71 11 00-2037	EA		1" Flattened x 1/2" Round Aluminum Door Pulls, 8" Long	65.87	7.96
			For Stainless Steel, Add	14.29	
			For Brass, Add	19.39	
08 71 11 00-2038	EA		1" Flattened x 1/2" Round Aluminum Door Pulls, 10" Long	69.25	7.96
			For Stainless Steel, Add	15.71	
			For Brass, Add	21.32	
08 71 11 00-2039	EA		1" Diameter Stainless Steel Offset Door Pulls, 8" Long.....	115.61	7.96
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	15.83	
			For Brass, Add	14.57	
08 71 11 00-2040	EA		1" Diameter Stainless Steel Offset Door Pulls, 10" Long.....	121.07	7.96
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	16.86	
			For Brass, Add	15.52	
08 71 11 00-2041	EA		1" Diameter Stainless Steel Offset Door Pulls, 12" Long.....	126.53	7.96
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	17.89	
			For Brass, Add	16.47	
08 71 11 00-2042	EA		1" Diameter Stainless Steel Offset Door Pulls, 18" Long.....	152.02	7.96
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	22.71	
			For Brass, Add	20.91	
08 71 11 00-2043			Pull Plate <small>(08 71 11 00-2028)</small>		
08 71 11 00-2044	EA		3-1/2" x 15" Aluminum Pull Plate Door Hardware.....	59.55	6.03
			For Stainless Steel, Add	20.90	
			For Brass, Add	26.57	
08 71 11 00-2045	EA		4" x 16" Aluminum Pull Plate Door Hardware.....	60.79	6.03
			For Stainless Steel, Add	21.64	
			For Brass, Add	27.50	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2046 EA 6" x 16" Aluminum Pull Plate Door Hardware	63.59	6.03
For Stainless Steel, Add	23.29	
For Brass, Add	29.60	
08 71 11 00-2047 Push Bars And Plates (08 71 11 00-0762)		
08 71 11 00-2048 Push Bars (08 71 11 00-2047)		
08 71 11 00-2049 EA 3/8" x 2-1/2" Bronze Push Bar, Rectangular, With Base Plate.....	164.40	6.03
Note: Up to 34" wide. All finishes.		
08 71 11 00-2050 EA 3/4" Diameter Stainless Steel Push Bar, Up To 34" Wide.....	144.11	6.03
For Brass Push Bar, Add	20.88	
08 71 11 00-2051 EA 1" Diameter Stainless Steel Push Bar, Up To 34" Wide.....	149.14	6.03
For Brass Push Bar, Add	21.75	
08 71 11 00-2052 EA 1-1/4" Diameter Stainless Steel Push Bar, Up To 34" Wide.....	274.16	6.03
For Brass Push Bar, Add	43.51	
08 71 11 00-2053 Push Plates (08 71 11 00-2047)		
08 71 11 00-2054 Aluminum Push Plates (08 71 11 00-2053)		
08 71 11 00-2055 Clear Anodized Finish, Aluminum Push Plates (08 71 11 00-2054)		
Note: Ives 8200 Series.		
08 71 11 00-2056 EA 3" x 12", Clear Anodized Finish, Aluminum Push Plate Door Hardware	33.02	6.03
08 71 11 00-2057 EA 4" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware.....	33.02	6.03
08 71 11 00-2058 EA 6" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	33.02	6.03
08 71 11 00-2059 EA 8" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	35.27	6.03
08 71 11 00-2060 Stainless Steel Push Plates (08 71 11 00-2053)		
08 71 11 00-2061 Satin Finish, Stainless Steel Push Plates (08 71 11 00-2060)		
Note: Ives 8200 Series.		
08 71 11 00-2062 EA 3" x 12", Satin Finish, Stainless Steel Push Plate Door Hardware.....	33.02	6.03
08 71 11 00-2063 EA 4" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware.....	34.76	6.03
08 71 11 00-2064 EA 6" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware.....	38.71	6.03
08 71 11 00-2065 EA 8" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware.....	44.56	6.03
08 71 11 00-2066 Brass Push Plates (08 71 11 00-2053)		
08 71 11 00-2067 Bright/Satin Brass Finish, Brass Push Plates (08 71 11 00-2066)		
Note: Ives 8200 Series.		
08 71 11 00-2068 EA 3" x 12", Bright/Satin Brass Finish, Brass Push Plate Door Hardware.....	38.31	6.03
08 71 11 00-2069 EA 4" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware.....	42.75	6.03
08 71 11 00-2070 EA 6" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware.....	53.46	6.03
08 71 11 00-2071 EA 8" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware.....	60.50	6.03
08 71 11 00-2072 Bright/Satin Chrome Finish, Brass Push Plates (08 71 11 00-2066)		
Note: Ives 8200 Series.		
08 71 11 00-2073 EA 3" x 12", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	41.87	6.03
08 71 11 00-2074 EA 4" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	45.48	6.03
08 71 11 00-2075 EA 6" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	55.29	6.03
08 71 11 00-2076 EA 8" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	64.96	6.03
08 71 11 00-2077 Satin/Dark Bronze Finish, Brass Push Plates (08 71 11 00-2066)		
Note: Ives 8200 Series.		
08 71 11 00-2078 EA 3" x 12", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	41.87	6.03
08 71 11 00-2079 EA 4" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	45.48	6.03
08 71 11 00-2080 EA 6" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	57.02	6.03
08 71 11 00-2081 EA 8" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	65.92	6.03
08 71 11 00-2082 Satin Nickel Finish, Brass Push Plates (08 71 11 00-2066)		
Note: Ives 8200 Series.		
08 71 11 00-2083 EA 3" x 12", Satin Nickel Finish, Brass Push Plate Door Hardware.....	41.87	6.03
08 71 11 00-2084 EA 4" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware.....	46.38	6.03
08 71 11 00-2085 EA 6" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware.....	59.76	6.03
08 71 11 00-2086 EA 8" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware.....	68.66	6.03
08 71 11 00-2087 Exit Devices (08 71 11)		
08 71 11 00-2088 Push Bar Exit Device, Von Duprin Series 22 (08 71 11 00-2087)		
Note: Grade 1, BHMA 156.3.		
08 71 11 00-2089 EA 3" Push Bar Exit Device, Rim Type	616.87	108.56
Note: Anodized finish: aluminum or dark brown. Von Duprin Series 22.		
For 4" Push Bar, Add	13.00	
08 71 11 00-2090 EA 3" Push Bar Exit Device, Rim Type, Fire Rated.....	681.64	108.56
Note: Anodized finish: aluminum or dark brown. Von Duprin Series 22-F.		
For 4" Push Bar, Add	13.00	



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Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2091	EA		3' Push Bar Exit Device, Surface Vertical Rods..... Note: Anodized finish: aluminum or dark brown. Von Duprin Series 2227.	884.44	130.28
			<i>For 4' Push Bar, Add</i>	13.00	
08 71 11 00-2092	EA		3' Push Bar Exit Device, Surface Vertical Rods, Fire Rated Note: Anodized finish: aluminum or dark brown. Von Duprin Series 2227-F.	1,045.77	120.63
			<i>For 4' Push Bar, Add</i>	13.00	
08 71 11 00-2093	EA		Dummy Trim (210DT), Von Duprin Series 22 Note: Anodized finish: aluminum or dark brown.	84.85	18.09
08 71 11 00-2094	EA		Night Latch Trim (210NL) With Cylinder, Von Duprin Series 22 Note: Anodized finish: aluminum or dark brown.	183.32	24.12
08 71 11 00-2095	EA		Knob Trim (210K) With Cylinder, Von Duprin Series 22 Note: Anodized finish: aluminum or dark brown.	334.76	36.19
08 71 11 00-2096	EA		Lever Trim (230L) With Cylinder, Von Duprin Series 22 Note: Anodized finish: aluminum or dark brown.	331.78	36.19
08 71 11 00-2097	EA		Thumbpiece Trim (230TP) With Cylinder, Von Duprin Series 22..... Note: Anodized finish: aluminum or dark brown.	331.03	36.19
08 71 11 00-2098	EA		Knob - Blank Escutcheon (210K-BE), Von Duprin Series 22..... Note: Anodized finish: aluminum or dark brown.	261.56	36.19
08 71 11 00-2099	EA		Exit Only Trim Plate (230EO), Von Duprin Series 22..... Note: Anodized finish: aluminum or dark brown.	105.82	14.48
08 71 11 00-2100	EA		Dummy Trim (230DT), Von Duprin Series 22 Note: Anodized finish: aluminum or dark brown.	122.94	18.09
08 71 11 00-2101	EA		Night Latch Trim (230NL) With Cylinder, Von Duprin Series 22 Note: Anodized finish: aluminum or dark brown.	222.91	24.12
08 71 11 00-2102	EA		Lever - Blank Escutcheon (230L-BE), Von Duprin Series 22..... Note: Anodized finish: aluminum or dark brown.	258.58	36.19
08 71 11 00-2103	EA		Thumbpiece - Blank Escutcheon (230TP-BE), Von Duprin Series 22 Note: Anodized finish: aluminum or dark brown.	257.83	36.19
08 71 11 00-2104			Push Bar Exit Device, Narrow Stile, Von Duprin Series 33/35 <small>(08 71 11 00-2087)</small> Note: Grade 1, BHMA 156.3. Series 33 has a ribbed case, Series 35 has a smooth case.		
08 71 11 00-2105	EA		3' Push Bar Exit Device, Rim Type, Narrow Stile..... Note: Aluminum anodized finish. Von Duprin Series 33/35.	1,122.32	108.56
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	85.28	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	163.65	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	31.65	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	243.18	
08 71 11 00-2106	EA		3' Push Bar Exit Device, Surface Vertical Rods, Narrow Stile Note: Aluminum anodized finish. Von Duprin Series 3327/3527.	1,518.56	130.28
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	119.93	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	230.13	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	44.50	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	341.98	
08 71 11 00-2107	EA		3' Push Bar Exit Device, Surface Vertical Rods, Fire Rated, Narrow Stile..... Note: Aluminum anodized finish. Von Duprin Series 3327-F/3527-F.	1,546.94	130.28
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	122.83	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	235.71	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	45.58	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	350.26	
08 71 11 00-2108	EA		3' Push Bar Exit Device, Concealed Vertical Rods, Narrow Stile..... Note: Aluminum anodized finish. Von Duprin Series 3347/3547.	1,582.09	149.58
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	121.00	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	232.19	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	44.90	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	345.03	
08 71 11 00-2109	EA		3' Push Bar Exit Device, Concealed Vertical Rods, Fire Rated, Narrow Stile..... Note: Aluminum anodized finish. Von Duprin Series 3347-F/3547-F.	1,655.29	149.58
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	128.49	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	246.57	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	47.68	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	366.40	
08 71 11 00-2110	EA		3' Push Bar Exit Device, Concealed Vertical Rods, Narrow Stile..... Note: Aluminum anodized finish. Von Duprin Series 3348/3548.	1,757.61	149.58
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	138.97	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	266.68	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	51.57	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	396.28	
08 71 11 00-2111	EA		3' Push Bar Exit Device, Concealed Vertical Rods, Fire Rated, Narrow Stile..... Note: Aluminum anodized finish. Von Duprin Series 3348-F/3548-F.	1,830.81	149.58
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	146.47	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	281.06	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	54.35	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	417.66	
08 71 11 00-2112	EA		Dummy Trim (DT), Von Duprin Series 33/35 Note: Anodized finish: aluminum or dark brown.	248.42	18.09
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	39.33	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	7.61	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	58.45	

08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2113	EA		Night Latch Less Pull (NL-OP With Cylinder, Von Duprin Series 33/35).....	314.03	24.12
			Note: Anodized finish: aluminum or dark brown.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	48.43	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	9.37	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	71.97	
08 71 11 00-2114	EA		Night Latch (NL) With Cylinder, Von Duprin Series 33/35.....	494.03	24.12
			Note: Anodized finish: aluminum or dark brown.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	83.80	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	16.21	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	124.53	
08 71 11 00-2115	EA		Lever Trim (360L) With Cylinder, Von Duprin Series 33/35.....	620.83	36.19
			Note: Anodized finish: aluminum or dark brown.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	103.03	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	19.92	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	153.10	
08 71 11 00-2116	EA		Lever - Blank Escutcheon (360L-BE) With Cylinder, Von Duprin Series 33/35.....	596.93	36.19
			Note: Anodized finish: aluminum or dark brown.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	98.33	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	19.02	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	146.13	
08 71 11 00-2117	EA		Lever Dummy Trim (360L-DT) With Cylinder, Von Duprin Series 33/35.....	585.72	36.19
			Note: Anodized finish: aluminum or dark brown.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	96.13	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	18.59	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	142.85	
08 71 11 00-2118	EA		Thumbturn Trim (360T) With Cylinder, Von Duprin Series 33/35.....	590.95	36.19
			Note: Anodized finish: aluminum or dark brown.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	97.16	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	18.79	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	144.38	
08 71 11 00-2119			Push Bar Exit Device, Von Duprin Series 98/99 (08 71 11 00-2087)		
			Note: Grade 1, BHMA 156.3. Series 98 has a smooth case, Series 99 has a grooved case.		
08 71 11 00-2120	EA		3' Push Bar Exit Device, Rim Type, Von Duprin Series 98/99.....	998.33	108.56
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For DuraNodic Dark Bronze US313 (BHMA 710) Finish, Add	43.24	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	68.76	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	109.87	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	224.70	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	70.88	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	104.20	
			For Standard Baseplate Cylinder Dogging (CD), Add	47.24	
			For Special Center Case Dogging (SD), Add	197.79	
			For Cylinder Dogging Indicator (CI), Add	131.65	
			For Dogging Indicator (DI), Add	120.94	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.10	
			For Safety Glow Touchpad, Add	220.46	
08 71 11 00-2121	EA		3' Push Bar Exit Device, Rim Type, Fire Rated, Von Duprin Series 98-F/99-F.....	1,122.32	108.56
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For DuraNodic Dark Bronze US313 (BHMA 710) Finish, Add	50.80	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	80.78	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	129.09	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	264.00	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	83.28	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	122.42	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.10	
			For Safety Glow Touchpad, Add	220.46	
08 71 11 00-2122	EA		3' Push Bar Exit Device, Rim Type, Von Duprin Series XP98/XP99.....	1,081.23	108.56
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For DuraNodic Dark Bronze US313 (BHMA 710) Finish, Add	48.29	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	76.80	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	122.72	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	250.98	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	79.17	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	116.38	
			For Standard Baseplate Cylinder Dogging (CD), Add	47.24	
			For Special Center Case Dogging (SD), Add	197.79	
			For Cylinder Dogging Indicator (CI), Add	131.65	
			For Dogging Indicator (DI), Add	120.94	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.10	
			For Safety Glow Touchpad, Add	220.46	
08 71 11 00-2123	EA		3' Push Bar Exit Device, Rim Type, Fire Rated, Von Duprin Series XP98-F/XP99-F.....	1,202.23	108.56
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For DuraNodic Dark Bronze US313 (BHMA 710) Finish, Add	55.68	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	88.53	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	141.47	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	289.33	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	91.27	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	134.17	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.10	
			For Safety Glow Touchpad, Add	220.46	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2124 EA 3' Push Bar Exit Device, Surface Vertical Rods, Von Duprin Series 9827/9927.....	1,405.78	130.28
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	64.56	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	102.66	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	164.05	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	335.50	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	105.84	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	155.58	
For Standard Baseplate Cylinder Dogging (CD), Add	47.24	
For Special Center Case Dogging (SD), Add	197.79	
For Cylinder Dogging Indicator (CI), Add	131.65	
For Dogging Indicator (DI), Add	120.94	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.10	
For Safety Glow Touchpad, Add	220.46	
08 71 11 00-2125 EA 3' Push Bar Exit Device, Surface Vertical Rods, Fire Rated, Von Duprin Series 9827-F/9927-F.....	1,573.84	130.28
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	74.81	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	118.96	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	190.10	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	388.78	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	122.64	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	180.29	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.10	
For Safety Glow Touchpad, Add	220.46	
08 71 11 00-2126 EA 3' Push Bar Exit Device, Concealed Vertical Rods, Von Duprin Series 9847/9947.....	1,486.49	149.58
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	101.00	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	105.34	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	168.33	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	344.27	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	108.60	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	159.64	
For Standard Baseplate Cylinder Dogging (CD), Add	47.24	
For Special Center Case Dogging (SD), Add	197.79	
For Cylinder Dogging Indicator (CI), Add	131.65	
For Dogging Indicator (DI), Add	120.94	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.10	
For Safety Glow Touchpad, Add	220.46	
08 71 11 00-2127 EA 3' Push Bar Exit Device, Concealed Vertical Rods, Fire Rated, Von Duprin Series 9847-F/9947-F.....	1,658.28	149.58
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	116.98	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	122.01	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	194.96	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	398.72	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	125.78	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	184.90	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.10	
For Safety Glow Touchpad, Add	220.46	
08 71 11 00-2128 EA 3' Push Bar Exit Device, Concealed Vertical Rods, Von Duprin Series 9848/9948.....	1,662.01	149.58
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	117.32	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	122.37	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	195.54	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	399.91	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	126.15	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	185.44	
For Standard Baseplate Cylinder Dogging (CD), Add	47.24	
For Special Center Case Dogging (SD), Add	197.79	
For Cylinder Dogging Indicator (CI), Add	131.65	
For Dogging Indicator (DI), Add	120.94	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.10	
For Safety Glow Touchpad, Add	220.46	
08 71 11 00-2129 EA 3' Push Bar Exit Device, Concealed Vertical Rods, Fire Rated, Von Duprin Series 9848-F/9948-F.....	1,833.80	149.58
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	133.30	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	139.03	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	222.16	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	454.36	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	143.33	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	210.70	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.10	
For Safety Glow Touchpad, Add	220.46	

08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2130	EA	3'	Push Bar Exit Device, Wood Door Concealed Vertical Rods, Von Duprin Series 9847WDC/9947WDC Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,611.22	149.58
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	112.60	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	117.44	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	187.66	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	383.80	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	121.07	
			<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	177.98	
			<i>For Standard Baseplate Cylinder Dogging (CD), Add</i>	47.24	
			<i>For Special Center Case Dogging (SD), Add</i>	197.79	
			<i>For Cylinder Dogging Indicator (CI), Add</i>	131.65	
			<i>For Dogging Indicator (DI), Add</i>	120.94	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	61.10	
			<i>For Safety Glow Touchpad, Add</i>	220.46	
08 71 11 00-2131	EA	3'	Push Bar Exit Device, Wood Door Concealed Vertical Rods, Fire Rated, Von Duprin Series 9847WDC-F/9947WDC-F Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,804.67	149.58
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	130.59	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	136.21	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	217.65	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	445.13	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	140.42	
			<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	206.42	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	61.10	
			<i>For Safety Glow Touchpad, Add</i>	220.46	
08 71 11 00-2132	EA	3'	Push Bar Exit Device, Surface Three Point Latch, Von Duprin Series 9857/9957 Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,732.93	130.28
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	84.52	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	134.40	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	214.76	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	439.21	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	138.55	
			<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	203.67	
			<i>For Standard Baseplate Cylinder Dogging (CD), Add</i>	47.24	
			<i>For Special Center Case Dogging (SD), Add</i>	197.79	
			<i>For Cylinder Dogging Indicator (CI), Add</i>	131.65	
			<i>For Dogging Indicator (DI), Add</i>	120.94	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	61.10	
			<i>For Safety Glow Touchpad, Add</i>	220.46	
08 71 11 00-2133	EA	3'	Push Bar Exit Device, Surface Three Point Latch, Fire Rated, Von Duprin Series 9857-F/9957-F Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,844.22	130.28
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	91.31	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	145.19	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	232.01	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	474.49	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	149.68	
			<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	220.03	
			<i>For Standard Baseplate Cylinder Dogging (CD), Add</i>	47.24	
			<i>For Special Center Case Dogging (SD), Add</i>	197.79	
			<i>For Cylinder Dogging Indicator (CI), Add</i>	131.65	
			<i>For Dogging Indicator (DI), Add</i>	120.94	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	61.10	
			<i>For Safety Glow Touchpad, Add</i>	220.46	
08 71 11 00-2134	EA	3'	Push Bar Exit Device, Mortise Lock, Von Duprin Series 9875/9975 Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,397.85	135.11
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	38.33	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	100.49	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	160.58	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	328.40	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	103.60	
			<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	152.29	
			<i>For Standard Baseplate Cylinder Dogging (CD), Add</i>	47.24	
			<i>For Special Center Case Dogging (SD), Add</i>	197.79	
			<i>For Cylinder Dogging Indicator (CI), Add</i>	131.65	
			<i>For Dogging Indicator (DI), Add</i>	120.94	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	61.10	
			<i>For Safety Glow Touchpad, Add</i>	220.46	
08 71 11 00-2135	EA	3'	Push Bar Exit Device, Mortise Lock, Fire Rated, Von Duprin Series 9875-F/9975-F Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,524.07	135.11
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	43.00	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	112.73	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	180.14	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	368.41	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	116.22	
			<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	170.84	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	61.10	
			<i>For Safety Glow Touchpad, Add</i>	220.46	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2136 EA 3' Push Bar Exit Device, Concealed Vertical Cable, Von Duprin Series 9849/9949 Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,539.51	149.58
<i>For 4' Push Bar, Add</i>	13.00	
<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	105.93	
<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	110.49	
<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	176.55	
<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	361.07	
<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	113.90	
<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	167.44	
<i>For Standard Baseplate Cylinder Dogging (CD), Add</i>	47.24	
<i>For Special Center Case Dogging (SD), Add</i>	197.79	
<i>For Cylinder Dogging Indicator (CI), Add</i>	131.65	
<i>For Dogging Indicator (DI), Add</i>	120.94	
<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	61.10	
<i>For Safety Glow Touchpad, Add</i>	220.46	
08 71 11 00-2137 EA 3' Push Bar Exit Device, Concealed Vertical Cable, Fire Rated, Von Duprin Series 9849-F/9949-F Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,664.99	149.58
<i>For 4' Push Bar, Add</i>	13.00	
<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	117.60	
<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	122.66	
<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	196.00	
<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	400.85	
<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	126.45	
<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	185.88	
<i>For Standard Baseplate Cylinder Dogging (CD), Add</i>	47.24	
<i>For Special Center Case Dogging (SD), Add</i>	197.79	
<i>For Cylinder Dogging Indicator (CI), Add</i>	131.65	
<i>For Dogging Indicator (DI), Add</i>	120.94	
<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	61.10	
<i>For Safety Glow Touchpad, Add</i>	220.46	
08 71 11 00-2138 EA 3' Push Bar Exit Device, Wood Door Concealed Vertical Cable, Von Duprin Series 9849WDC/9949WDC Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,669.47	149.58
<i>For 4' Push Bar, Add</i>	13.00	
<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	118.02	
<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	123.09	
<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	196.69	
<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	402.27	
<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	126.90	
<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	186.54	
<i>For Standard Baseplate Cylinder Dogging (CD), Add</i>	47.24	
<i>For Special Center Case Dogging (SD), Add</i>	197.79	
<i>For Cylinder Dogging Indicator (CI), Add</i>	131.65	
<i>For Dogging Indicator (DI), Add</i>	120.94	
<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	61.10	
<i>For Safety Glow Touchpad, Add</i>	220.46	
08 71 11 00-2139 EA 3' Push Bar Exit Device, Wood Door Concealed Vertical Cable, Fire Rated, Von Duprin Series 9849WDC- F/9949WDC-F Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,893.55	149.58
<i>For 4' Push Bar, Add</i>	13.00	
<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	138.86	
<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	144.83	
<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	231.43	
<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	473.30	
<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	149.31	
<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	219.48	
<i>For Standard Baseplate Cylinder Dogging (CD), Add</i>	47.24	
<i>For Special Center Case Dogging (SD), Add</i>	197.79	
<i>For Cylinder Dogging Indicator (CI), Add</i>	131.65	
<i>For Dogging Indicator (DI), Add</i>	120.94	
<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	61.10	
<i>For Safety Glow Touchpad, Add</i>	220.46	
08 71 11 00-2140 EA 3' Push Bar Exit Device, Chexit Delayed Egress, Von Duprin Series CX98/CX99 Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,132.57	125.45
<i>For 4' Push Bar, Add</i>	13.00	
<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	278.20	
<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	568.96	
<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	179.48	
<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	66.77	
<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	75.02	
<i>For Center Case Dogging (CD-CX), Add</i>	213.53	
<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	61.10	
<i>For Safety Glow Touchpad, Add</i>	220.46	
08 71 11 00-2141 EA 3' Push Bar Exit Device, Chexit Delayed Egress, Fire Rated, Von Duprin Series CX98-F/CX99-F Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.	2,256.56	125.45
<i>For 4' Push Bar, Add</i>	13.00	
<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	297.42	
<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	608.26	
<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	191.88	
<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	71.38	
<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	80.21	
<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	61.10	
<i>For Safety Glow Touchpad, Add</i>	220.46	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2142	EA	3'	Push Bar Exit Device, Mortise Chexit Delayed Egress, Von Duprin Series CX9875/CX9975.....	2,541.75	154.40
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	328.91	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	672.66	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	212.20	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	78.94	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	88.70	
			For Center Case Dogging (CD-CX), Add	213.53	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.10	
			For Safety Glow Touchpad, Add	220.46	
08 71 11 00-2143	EA	3'	Push Bar Exit Device, Mortise Chexit Delayed Egress, Fire Rated, Von Duprin Series CX9875-F/CX9975-F	2,667.98	154.40
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	348.47	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	712.68	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	224.82	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	83.63	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	93.97	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.10	
			For Safety Glow Touchpad, Add	220.46	
08 71 11 00-2144	EA	3'	Push Bar Exit Device, Electric Latch Retraction, Von Duprin Series E98/E99	1,400.60	125.45
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	164.74	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	336.92	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	106.29	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	39.54	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	61.01	
			For Standard Baseplate Cylinder Dogging (CD), Add	47.24	
			For Special Center Case Dogging (SD), Add	197.79	
			For Dogging Indicator (DI), Add	120.94	
			For Quiet Electric Latch Retraction (QEL), Add	368.99	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.10	
			For Safety Glow Touchpad, Add	220.46	
08 71 11 00-2145	EA	3'	Push Bar Exit Device, Electric Latch Retraction, Fire Rated, Von Duprin Series E98-F/E99-F	1,524.59	125.45
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	183.96	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	376.23	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	118.68	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	44.15	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	68.12	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.10	
			For Safety Glow Touchpad, Add	220.46	
08 71 11 00-2146	EA	3'	Push Bar Exit Device, Mortise Electric Latch Retraction, Von Duprin Series E9875/E9975.....	1,809.78	154.40
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	215.45	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	440.63	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	139.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	51.71	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	79.79	
			For Standard Baseplate Cylinder Dogging (CD), Add	47.24	
			For Special Center Case Dogging (SD), Add	197.79	
			For Dogging Indicator (DI), Add	120.94	
			For Quiet Electric Latch Retraction (QEL), Add	368.99	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.10	
			For Safety Glow Touchpad, Add	220.46	
08 71 11 00-2147	EA	3'	Push Bar Exit Device, Mortise Electric Latch Retraction, Fire Rated, Von Duprin Series E9875-F/E9975-F	1,936.00	154.40
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	235.01	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	480.64	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	151.62	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	56.40	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	87.03	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.10	
			For Safety Glow Touchpad, Add	220.46	
08 71 11 00-2148	EA		Exit Only Trim Plate (EO), Von Duprin Series 98/99	117.97	14.48
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	2.38	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	3.57	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	13.49	
08 71 11 00-2149	EA		Dummy Trim (990DT), Von Duprin Series 98/99	171.71	18.09
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	3.70	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	5.56	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	20.99	
08 71 11 00-2150	EA		Night Latch (990NL) Pull Trim With 110NL Cylinder, Von Duprin Series 98/99	273.02	24.12
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.16	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	9.25	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	34.93	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	11 00-2151	EA	Night Latch (990NL) Pull Trim Without Cylinder, Von Duprin Series 98/99 Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	199.83 3.97 5.95 22.49	24.12
08 71	11 00-2152	EA	Lever Trim (996L) With 110NL Cylinder, Von Duprin Series 98/99..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	455.04 10.76 16.13 60.95	36.19
08 71	11 00-2153	EA	Lever Trim (996L) Without Cylinder, Von Duprin Series 98/99..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	381.84 8.56 12.84 48.51	36.19
08 71	11 00-2154	EA	Lever - Blank Escutcheon (996L-BE), Von Duprin Series 98/99..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	381.84 8.56 12.84 48.51	36.19
08 71	11 00-2155	EA	Lever - Night Latch (996L-NL) With 110NL Cylinder, Von Duprin Series 98/99..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	392.05 8.87 13.30 50.24	36.19
08 71	11 00-2156	EA	Lever - Night Latch (996L-NL) Without Cylinder, Von Duprin Series 98/99 Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	318.85 6.67 10.01 37.80	36.19
08 71	11 00-2157	EA	Lever Dummy Trim (996L-DT), Von Duprin Series 98/99..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	318.85 6.67 10.01 37.80	36.19
08 71	11 00-2158	EA	Knob Trim (K) With 110NL Cylinder, Von Duprin Series 98/99..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	381.98 8.56 12.85 48.53	36.19
08 71	11 00-2159	EA	Knob Trim (K) Without Cylinder, Von Duprin Series 98/99 Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	308.78 6.37 9.55 36.09	36.19
08 71	11 00-2160	EA	Knob - Blank Escutcheon (K-BE), Von Duprin Series 98/99..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	308.78 6.37 9.55 36.09	36.19
08 71	11 00-2161	EA	Knob - Night Latch (K-NL) With 110NL Cylinder, Von Duprin Series 98/99..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	376.31 8.39 12.59 47.57	36.19
08 71	11 00-2162	EA	Knob - Night Latch (K-NL) Without Cylinder, Von Duprin Series 98/99 Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	303.11 6.20 9.30 35.12	36.19
08 71	11 00-2163	EA	Knob Dummy Trim (K-DT) Without Cylinder, Von Duprin Series 98/99 Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	303.11 6.20 9.30 35.12	36.19
08 71	11 00-2164	EA	Thumbpiece Trim (TP) With 110NL Cylinder, Von Duprin Series 98/99 Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	345.44 7.47 11.20 42.32	36.19
08 71	11 00-2165	EA	Thumbpiece Trim (TP) Without Cylinder, Von Duprin Series 98/99..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	272.24 5.27 7.91 29.88	36.19
08 71	11 00-2166	EA	Thumbpiece - Blank Escutcheon (T-BE), Von Duprin Series 98/99..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	272.24 5.27 7.91 29.88	36.19
08 71	11 00-2167	EA	Push/Pull Hospital Latch Trim (HL) With 110NL Cylinder, Von Duprin Series 98/99 Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	292.18 5.87 8.81 33.27	36.19

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 71 11 00-2168		Option And Kits For Series 22, 33, 35, 98 Or 99 (08 71 11 00-2087)			
08 71 11 00-2169	EA	Alarm Kit With Switch And 9 Volt Battery Back-up.....	747.04		36.19
08 71 11 00-2170	EA	4 Amp Output Current, 12-24 Volt DC, Power Supply (Von Duprin PS914)	450.70		36.19
		<i>For Battery Backup (Includes Board And 2 Batteries), Add</i>	82.72		
		<i>For Fire Alarm Interface, Add</i>	41.36		
		<i>For 2 Relay Panic Device Control Board, Add</i>	95.96		
		<i>For 2 Relay Quiet Electric Latch Panic Device Control Board, Add</i>	112.50		
		<i>For 4 Relay Output Board, Add</i>	92.65		
		<i>For 4 Relay Logic Board, Add</i>	254.10		
		<i>For Fused 8 Zone Distribution Board, Add</i>	33.09		
08 71 11 00-2171	EA	Jamb Mounted Concealed Electric Power Transfer (Von Duprin EPT-10).....	423.20		36.19
08 71 11 00-2172	EA	2 Amp Output Current, 12-24 Volt DC, Power Supply (Von Duprin PS902)	248.48		36.19
		Note: 2A@12/24 VDC			
		<i>For Battery Backup (Includes Board And 2 Batteries), Add</i>	82.72		
		<i>For Fire Alarm Interface, Add</i>	41.36		
		<i>For 2 Relay Quiet Electric Latch Panic Device Control Board, Add</i>	112.50		
		<i>For 4 Relay Output Board, Add</i>	92.65		
		<i>For 4 Relay Logic Board, Add</i>	254.10		
		<i>For Fused 8 Zone Distribution Board, Add</i>	33.09		
08 71 11 00-2173	EA	4 Amp Output Current, 12-24 Volt DC, Power Supply (Von Duprin PS904)	382.96		36.19
		Note: 4A@12/24 VDC			
		<i>For Battery Backup (Includes Board And 2 Batteries), Add</i>	82.72		
		<i>For Fire Alarm Interface, Add</i>	41.36		
		<i>For 2 Relay Quiet Electric Latch Panic Device Control Board, Add</i>	112.50		
		<i>For 4 Relay Output Board, Add</i>	92.65		
		<i>For 4 Relay Logic Board, Add</i>	254.10		
		<i>For Fused 8 Zone Distribution Board, Add</i>	33.09		
08 71 11 00-2174	EA	Request to Exit Push Pad Monitor Switch (RX)	168.56		24.12
08 71 11 00-2175		Removable Verticals, Mullions (Von Duprin) (08 71 11 00-2087)			
08 71 11 00-2176	EA	7'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-72).....	440.08		24.12
		Note: For use with Von Duprin Panic rim devices.			
		<i>For Owner Furnished Material, Deduct</i>	-343.58		
08 71 11 00-2177	EA	8'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-82).....	466.96		24.12
		Note: For use with Von Duprin Panic rim devices.			
		<i>For Owner Furnished Material, Deduct</i>	-370.46		
08 71 11 00-2178	EA	10'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-102).....	757.00		24.12
		Note: For use with Von Duprin Panic rim devices.			
		<i>For Owner Furnished Material, Deduct</i>	-660.50		
08 71 11 00-2179	EA	7'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-76)	746.19		28.95
		Note: For use with Von Duprin Panic rim devices.			
		<i>For Owner Furnished Material, Deduct</i>	-630.39		
08 71 11 00-2180	EA	8'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-86)	773.08		28.95
		Note: For use with Von Duprin Panic rim devices.			
		<i>For Owner Furnished Material, Deduct</i>	-657.28		
08 71 11 00-2181	EA	10'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-106)	832.08		28.95
		Note: For use with Von Duprin Panic rim devices.			
		<i>For Owner Furnished Material, Deduct</i>	-716.28		
08 71 11 00-2182	EA	7'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-73).....	628.30		24.12
		Note: For use with Von Duprin Panic rim devices.			
		<i>For Owner Furnished Material, Deduct</i>	-531.80		
08 71 11 00-2183	EA	8'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-83).....	655.93		24.12
		Note: For use with Von Duprin Panic rim devices.			
		<i>For Owner Furnished Material, Deduct</i>	-559.43		
08 71 11 00-2184	EA	10'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-103).....	711.95		24.12
		Note: For use with Von Duprin Panic rim devices.			
		<i>For Owner Furnished Material, Deduct</i>	-615.45		
08 71 11 00-2185	EA	7'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-75).....	963.54		28.95
		Note: For use with Von Duprin Panic rim devices.			
		<i>For Owner Furnished Material, Deduct</i>	-847.74		
08 71 11 00-2186	EA	8'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-85).....	991.17		28.95
		Note: For use with Von Duprin Panic rim devices.			
		<i>For Owner Furnished Material, Deduct</i>	-875.37		
08 71 11 00-2187	EA	10'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-105).....	1,859.61		28.95
		Note: For use with Von Duprin Panic rim devices.			
		<i>For Owner Furnished Material, Deduct</i>	-1,743.81		
08 71 11 00-2188	EA	Mullion Stabilizer Set (Von Duprin 154)	94.62		19.30
		Note: For use with Von Duprin Panic rim devices.			
		<i>For Owner Furnished Material, Deduct</i>	-56.02		
08 71 11 00-2189		Cross Bar Exit Device, Narrow Stile, Von Duprin Series 55 (08 71 11 00-2087)			
		Note: Grade 1, BHMA 156.3.			
08 71 11 00-2190	EA	42" Crossbar Exit Device, Rim Type, Narrow Stile	1,716.10		108.56
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 55.			
		<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	179.75		
		<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	206.86		
		<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	272.48		
		<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	296.73		



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	11 00-2191	EA	42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	2,213.23 228.41 262.85 346.24 377.05	149.58
08 71	11 00-2192	EA	42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile, Fire Rated Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547-F. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	2,415.64 253.91 292.20 384.90 419.15	149.58
08 71	11 00-2193	EA	42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	2,263.27 234.71 270.10 355.79 387.46	149.58
08 71	11 00-2194	EA	42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile, Fire Rated Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC-F. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	2,459.71 259.46 298.59 393.31 428.32	149.58
08 71	11 00-2195	EA	42" Crossbar Exit Device, Mortise Lock, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	1,722.74 171.47 197.32 259.92 283.06	135.11
08 71	11 00-2196	EA	42" Crossbar Exit Device, Mortise Lock, Narrow Stile, Fire Rated Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575-F. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	1,854.95 188.13 216.50 285.18 310.56	135.11
08 71	11 00-2197	EA	Dummy Trim (DT) Pull Bracket, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	293.99 30.96 35.63 46.94 51.11	18.09
08 71	11 00-2198	EA	Cylinder Assembly, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	137.01 8.75 10.07 13.27 14.45	25.57
08 71	11 00-2199	EA	Night Latch Pull Trim (NL) With Cylinder, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	494.78 53.83 61.95 81.60 88.86	25.57
08 71	11 00-2200	EA	Thumbturn Trim (376T) With Cylinder, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	532.70 54.96 63.25 83.31 90.73	36.19
08 71	11 00-2201	EA	Thumbturn - Blank Escutcheon (376T-BE), Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	435.59 42.73 49.17 64.77 70.53	36.19
08 71	11 00-2202	EA	Lever Trim (371L) With Cylinder, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	532.70 54.96 63.25 83.31 90.73	36.19
08 71	11 00-2203	EA	Lever Trim (575L) With Cylinder, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	611.87 64.94 74.73 98.44 107.20	36.19
08 71	11 00-2204		Cross Bar Exit Device, Von Duprin Series 88 (08 71 11 00-2087) Note: Grade 1, BHMA 156.3.		
08 71	11 00-2205	EA	42" Crossbar Exit Device, Rim Type Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	1,098.41 25.08 25.88 220.83	108.56

08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2206 EA 42" Crossbar Exit Device, Rim Type, Fire Rated Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,276.93 30.61 31.60 269.57	108.56
08 71 11 00-2207 EA 42" Crossbar Exit Device, Surface Vertical Rods..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,418.48 33.20 34.27 292.40	130.28
08 71 11 00-2208 EA 42" Crossbar Exit Device, Surface Vertical Rods, Fire Rated..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,804.62 45.17 46.63 397.82	130.28
08 71 11 00-2209 EA 42" Crossbar Exit Device, Concealed Vertical Rods..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,374.37 30.19 31.16 265.87	149.58
08 71 11 00-2210 EA 42" Crossbar Exit Device, Concealed Vertical Rods, Fire Rated Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,725.50 41.08 42.40 361.73	149.58
08 71 11 00-2211 EA 42" Crossbar Exit Device, Mortise Lock..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,467.30 34.27 35.37 301.78	135.11
08 71 11 00-2212 EA 42" Crossbar Exit Device, Mortise Lock, Fire Rated Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,558.43 37.09 38.29 326.66	135.11
08 71 11 00-2213 EA Dummy Trim (DT), Von Duprin Series 88 Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	166.27 3.66 3.78 32.22	18.09
08 71 11 00-2214 EA Night Latch Pull Trim (NL) With Cylinder, Von Duprin Series 88..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	265.48 6.14 6.33 54.03	24.12
08 71 11 00-2215 EA Thumbturn Trim (376T Or 377T) With Cylinder, Von Duprin Series 88..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	459.50 11.25 11.62 99.10	36.19
08 71 11 00-2216 EA Lever Trim (373L) With Cylinder, Von Duprin Series 88 Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	429.62 10.33 10.66 90.94	36.19
08 71 11 00-2217 EA Knob Trim (K) With Cylinder, Von Duprin Series 88 Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	328.79 7.20 7.43 63.42	36.19
08 71 11 00-2218 EA Thumbpiece Trim (TP) With Cylinder, Von Duprin Series 88..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	328.79 7.20 7.43 63.42	36.19
08 71 11 00-2219 Push Bar Exit Device, Precision Hardware Apex 2000 Series (08 71 11 00-2087) Note: Grade 1, BHMA 156.3. Anodized Aluminum Finish.		
08 71 11 00-2220 EA 3' Push Bar Exit Device, Rim Type (Precision Hardware 2100 Series)..... For 4' Push Bar, Add For Owner Furnished Material, Deduct	1,166.16 13.00 -876.65	108.56
08 71 11 00-2221 EA 3' Push Bar Exit Device, Rim Type, Fire Rated (Precision Hardware 2100 Series)..... For 4' Push Bar, Add For Owner Furnished Material, Deduct	1,226.39 13.00 -936.88	108.56
08 71 11 00-2222 EA 3' Push Bar Exit Device, Surface Vertical Rod (Top Only) (Precision Hardware 2200 Series) For 4' Push Bar, Add For Owner Furnished Material, Deduct	1,584.70 13.00 -1,237.29	130.28
08 71 11 00-2223 EA 3' Push Bar Exit Device, Surface Vertical Rod (Top Only), Fire Rated (Precision Hardware 2200 Series)..... For 4' Push Bar, Add For Owner Furnished Material, Deduct	1,644.94 13.00 -1,297.53	130.28
08 71 11 00-2224 EA Exit Only, Cover Plate, Lever/Knob Trim (Precision 4901) For Owner Furnished Material, Deduct	143.23 -104.63	14.48
08 71 11 00-2225 EA Exit Only, Dummy Trim, Lever/Knob Trim (Precision 4902A) For Owner Furnished Material, Deduct	366.09 -317.84	18.09



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2226	EA		Key Retracts Latchbolt, Lever/Knob Trim (Precision 4903A).....	414.34	36.19
			<i>For Owner Furnished Material, Deduct</i>	-317.84	
08 71 11 00-2227	EA		Key Controls Lever/Knob, Lever/Knob Trim (Precision 4908A).....	493.61	36.19
			<i>For Owner Furnished Material, Deduct</i>	-397.11	
08 71 11 00-2228	EA		Key Controls Lever, Lever/Knob Trim (Precision V4908A).....	493.61	36.19
			<i>For Owner Furnished Material, Deduct</i>	-397.11	
08 71 11 00-2229	EA		Lever/Knob Always Active, Lever/Knob Trim (Precision 4914A).....	493.61	36.19
			<i>For Owner Furnished Material, Deduct</i>	-397.11	
08 71 11 00-2230	EA		Exit Only, Cover Plate, Pull Trim (Precision 1701).....	108.34	14.48
			<i>For Owner Furnished Material, Deduct</i>	-69.74	
08 71 11 00-2231	EA		Exit Only, Dummy Trim, Pull Trim (Precision 1702A).....	221.04	18.09
			<i>For Owner Furnished Material, Deduct</i>	-172.79	
08 71 11 00-2232	EA		Key Retracts Latchbolt, Pull Trim (Precision 1703A).....	240.34	24.12
			<i>For Owner Furnished Material, Deduct</i>	-172.79	
08 71 11 00-2233	EA		Key Controls Thumb Piece, Pull Trim (Precision 1705A).....	339.04	36.19
			<i>For Owner Furnished Material, Deduct</i>	-242.54	
08 71 11 00-2234	EA		Thumb Piece Always Active, Pull Trim (Precision 1715A).....	339.04	36.19
			<i>For Owner Furnished Material, Deduct</i>	-242.54	
08 71 11 00-2235			Door Closers <small>(08 71 11)</small>		
			Note: Includes standard cover and arm.		
08 71 11 00-2236	EA		Surface Mounted Standard Duty Door Closer (LCN 1460 Series).....	300.60	27.98
			<i>For Delayed Action, Add</i>	12.60	
			<i>For AVB (5 LB Per Push), Add</i>	6.60	
			<i>For Fusible Link Arm, Add</i>	39.60	
			<i>For Shock Absorbing Arm, Add</i>	19.80	
			<i>For Hold Open Arm, Add</i>	13.80	
			<i>For Plated Brass Finish, Add</i>	101.40	
			<i>For Plated Finish With Clear Coat, Add</i>	127.20	
			<i>For Parallel Arm, Add</i>	22.40	
08 71 11 00-2237	EA		Surface Mounted Heavy Duty Door Closer (LCN 4010/4020/4110 Series).....	353.22	27.98
			<i>For Delayed Action, Add</i>	12.60	
			<i>For AVB (5 LB Per Push), Add</i>	6.60	
			<i>For Fusible Link Arm, Add</i>	39.60	
			<i>For Shock Absorbing Arm, Add</i>	19.80	
			<i>For Hold Open Arm, Add</i>	13.80	
			<i>For Plated Brass Finish, Add</i>	101.40	
			<i>For Plated Finish With Clear Coat, Add</i>	127.20	
08 71 11 00-2238	EA		Surface Mounted Heavy Duty Door Closer (LCN 4040XP/4041 Series).....	361.59	27.98
			<i>For Delayed Action, Add</i>	12.60	
			<i>For AVB (5 LB Per Push), Add</i>	6.60	
			<i>For Fusible Link Arm, Add</i>	39.60	
			<i>For Shock Absorbing Arm, Add</i>	19.80	
			<i>For Hold Open Arm, Add</i>	13.80	
			<i>For Plated Brass Finish, Add</i>	101.40	
			<i>For Plated Finish With Clear Coat, Add</i>	127.20	
			<i>For Spring Cush Arm, Add</i>	67.20	
			<i>For Parallel Arm And PA Shoe, Add</i>	22.40	
			<i>For Stainless Steel Finish, Add</i>	145.00	
08 71 11 00-2239	EA		Surface Mounted High Security Door Closer, Metal Cover (LCN 4510).....	372.06	27.98
			<i>For Delayed Action, Add</i>	12.60	
			<i>For AVB (5 LB Per Push), Add</i>	6.60	
			<i>For Fusible Link Arm, Add</i>	39.60	
			<i>For Shock Absorbing Arm, Add</i>	19.80	
			<i>For Hold Open Arm, Add</i>	13.80	
			<i>For Plated Brass Finish, Add</i>	101.40	
			<i>For Plated Finish With Clear Coat, Add</i>	127.20	
08 71 11 00-2240	EA		Surface Mounted Standard Duty Door Closer (Norton 8301).....	261.19	27.98
			<i>For Parallel Arm, Add</i>	22.40	
08 71 11 00-2241	EA		Surface Mounted Standard Duty Door Closer (Norton 8501).....	262.95	27.98
			<i>For Parallel Arm, Add</i>	22.40	
08 71 11 00-2242			Concealed Door Closers <small>(08 71 11)</small>		
08 71 11 00-2243	EA		Floor Concealed Door Closer, Non Hold Open (Rixson 27/28).....	856.09	82.99
08 71 11 00-2244	EA		Floor Concealed Door Closer, Selective Hold Open (Rixson 27/27).....	905.41	82.99
08 71 11 00-2245	EA		Concealed (In Door) Overhead Door Closer (LCN 3130).....	417.37	33.78
			<i>For Hold Open Arm, Add</i>	13.80	
			<i>For Plated Brass Finish, Add</i>	101.40	
			<i>For Plated Finish With Clear Coat, Add</i>	127.20	
08 71 11 00-2246	EA		Concealed (In Frame) Overhead Door Closer (LCN 5010).....	446.22	33.78
			<i>For Delayed Action, Add</i>	12.60	
			<i>For Hold Open Arm, Add</i>	13.80	
			<i>For Plated Brass Finish, Add</i>	101.40	
			<i>For Plated Finish With Clear Coat, Add</i>	127.20	
08 71 11 00-2247			Locks And Latches <small>(08 71 11)</small>		
			Note: All locksets are supplied with knob, lever or thumb piece, set of 3 keys and include a core. Multi purchase locksets can be keyed alike and to an existing master key (when required). The cost for boring hole or preparing mortise is included with the new door.		
08 71 11 00-2248			Locksmith Services <small>(08 71 11 00-2247)</small>		

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2249	EA		Provide Extra Keys (Above The Three Provided For New Locks) Or Duplicate Keys.....	1.08	
			<i>For >50, Deduct</i>	-0.22	
08 71 11 00-2250	EA		Rekey Existing Cylinder To Match Existing Cylinders Or Master Key.....	115.85	
			<i>For >5, Deduct</i>	-11.59	
08 71 11 00-2251	EA		Replace Cylinder With Owner Supplied Cylinder.....	115.85	
			<i>For >5, Deduct</i>	-11.59	
08 71 11 00-2252	EA		Replace Cylinder With New Cylinder.....	127.37	
			Note: Excludes core.		
			<i>For >5, Deduct</i>	-11.59	
08 71 11 00-2253	EA		Open Locked Doors.....	115.85	
08 71 11 00-2254	EA		Install Owner Furnished Cores And Cylinders.....	48.58	
08 71 11 00-2255			Mortise Locksets And Latchsets <small>(08 71 11 00-2247)</small>		
			Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.13 Grade 1. Levers or knobs.		
08 71 11 00-2256	EA		Passage/Closet F01 Mortise Latchset.....	512.04	24.12
			Note: Both sides always unlocked.		
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	13.71	
			<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	12.47	
			<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	20.78	
			<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	146.69	
08 71 11 00-2257	EA		Bath/Bedroom Privacy F02/F19 Mortise Lockset.....	604.36	24.12
			Note: Locked with thumb knob inside.		
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	16.76	
			<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	15.24	
			<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	25.39	
			<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	179.27	
08 71 11 00-2258	EA		Entrance/Office F04 Mortise Lockset.....	669.67	24.12
			Note: Locked with key outside and thumb knob inside.		
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	18.91	
			<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	17.20	
			<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	28.66	
			<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	202.33	
08 71 11 00-2259	EA		Classroom F05 Mortise Lockset.....	626.78	24.12
			Note: Locked with key outside. Inside always unlocked.		
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	17.50	
			<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	15.91	
			<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	26.51	
			<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	187.19	
			<i>For Security Function (Double Cylinder) With Visual Indicator, Add</i>	43.50	
08 71 11 00-2260	EA		Storeroom/Closet F07 Mortise Lockset.....	626.78	24.12
			Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	17.50	
			<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	15.91	
			<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	26.51	
			<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	187.19	
08 71 11 00-2261	EA		Entrance F08 Mortise Lockset.....	697.02	24.12
			Note: Locked with key outside and thumb knob inside.		
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	19.82	
			<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	18.02	
			<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	30.03	
			<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	211.98	
08 71 11 00-2262	EA		Dormitory/Exit F13 Mortise Lockset.....	603.72	24.12
			Note: Locked with key outside and thumb knob inside.		
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	16.74	
			<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	15.22	
			<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	25.36	
			<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	179.05	
08 71 11 00-2263			Locks And Latches <small>(08 71 11 00-2247)</small>		
08 71 11 00-2264			Preassembled Locks And Latches <small>(08 71 11 00-2263)</small>		
			Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989 Grade 1, with knob handles.		
08 71 11 00-2265	EA		Passage/Closet F36 Pre-Assembled Latchset.....	940.96	24.12
			Note: Both sides always unlocked.		
			<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	26.06	
			<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	43.43	
			<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	306.61	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add</i>	161.56	
			<i>For Grade 2, Deduct</i>	-337.88	
08 71 11 00-2266	EA		Bath/Bedroom Privacy F37 Pre-Assembled Lockset.....	1,016.89	24.12
			Note: Locked with push button inside.		
			<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	28.34	
			<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	47.23	
			<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	333.41	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add</i>	175.68	
			<i>For Grade 2, Deduct</i>	-367.41	
08 71 11 00-2267	EA		Entrance/Office F41 Pre-Assembled Lockset.....	1,153.05	24.12
			Note: Locked with key outside and push button inside.		
			<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	32.42	
			<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	54.03	
			<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	381.48	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add</i>	201.00	
			<i>For Grade 2, Deduct</i>	-420.38	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2268	EA		Classroom F42 Pre-Assembled Lockset..... Note: Locked with key outside. Inside always unlocked. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct	1,153.05 32.42 54.03 381.48 201.00 -420.38	24.12
08 71 11 00-2269	EA		Storeroom/Closet F44 Pre-Assembled Lockset..... Note: Locked with key outside. Inside always unlocked. Fixed outside handle. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct	1,153.05 32.42 54.03 381.48 201.00 -420.38	24.12
08 71 11 00-2270			Bored Locks And Latches (08 71 11 00-2263) Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989, Grade 1, 6 pins or 7 pins. Levers or knobs.		
08 71 11 00-2271	EA		Passage/Closet F75 Bored Latchset Note: Both sides always unlocked. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Interchangeable Core, Add	203.98 3.22 5.37 37.94 19.99 -5.37 2.15 9.45	24.12
08 71 11 00-2272	EA		Bath/Bedroom Privacy F76 Bored Lockset Note: Locked with push button inside. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Interchangeable Core, Add	229.61 3.99 6.66 46.99 24.76 -6.66 2.66 9.45	24.12
08 71 11 00-2273	EA		Entrance/Office F82 Bored Lockset Note: Locked with key outside and push button inside. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Interchangeable Core, Add	250.27 4.61 7.69 54.28 28.60 -7.69 3.08 9.45	24.12
08 71 11 00-2274	EA		Classroom F84 Bored Lockset..... Note: Locked with key outside. Inside always unlocked. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Interchangeable Core, Add	250.27 4.61 7.69 54.28 28.60 -7.69 3.08 9.45	24.12
08 71 11 00-2275	EA		Storeroom/Closet F86 Bored Lockset..... Note: Locked with key outside. Inside always unlocked. Fixed outside handle. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Interchangeable Core, Add	250.27 4.61 7.69 54.28 28.60 -7.69 3.08 9.45	24.12
08 71 11 00-2276	EA		Corridor/Dormitory F90 Bored Lockset Note: Locked with key outside and push button inside. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Interchangeable Core, Add	250.27 4.61 7.69 54.28 28.60 -7.69 3.08 9.45	24.12
08 71 11 00-2277			Other Locks (08 71 11 00-2247) Note: BHMA A156.5.		
08 71 11 00-2278	EA		Steel Exit Lock With Alarm, Single Door Satin Chrome Plated, BHMA E0421	701.54	125.45
08 71 11 00-2279	EA		Exit Lock With Alarm At Active Leaf And Vertical Rod - Inactive Leaf Rod For Inactive Leaf (Pair Doors) Steel With Satin Chrome Plating BHMA - E0461	1,549.12	250.90
08 71 11 00-2280			Pushbutton Combination Locks (08 71 11 00-2247)		

08 Openings**08 70 Hardware**

08 71 Door Hardware

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-2281	Mechanical Pushbutton Combination Locks (08 71 11 00-2280) Note: Passage option allows access without using the lock entry code and is activated from the inside with a thumbturn or key. Lockout option disables the lock from the inside so that the entry code cannot be used to gain access.		
08 71 11 00-2282	Mechanical Pushbutton Combination Locks (Kaba® Simplex® 1000 Series) (08 71 11 00-2281) Note: Satin chrome or antique brass finish.		
08 71 11 00-2283	EA Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1000 Series)	528.75	60.73
	<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 11 00-2284	EA Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1000 Series).....	562.38	60.73
	<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 11 00-2285	EA Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1000 Series).....	575.83	60.73
	<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 11 00-2286	EA Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1000 Series).....	609.46	60.73
	<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 11 00-2287	EA Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1000 Series)	585.92	60.73
	<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 11 00-2288	EA Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1000 Series).....	619.54	60.73
	<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 11 00-2289	EA Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1000 Series).....	632.99	60.73
	<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 11 00-2290	EA Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1000 Series)	666.62	60.73
	<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 11 00-2291	Mechanical Pushbutton Combination Locks (Kaba® Simplex® 5000 Series) (08 71 11 00-2281) Note: ANSI/BHMA Grade 1, Satin chrome finish or black with satin chrome accents.		
08 71 11 00-2292	EA Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series).....	577.84	60.73
	<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
	<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2293	EA Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series).....	604.75	60.73
	<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
	<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2294	EA Five Button, Mortise Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	658.55	60.73
	<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
	<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2295	EA Five Button, Mortise Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	678.73	60.73
	<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
	<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2296	EA Five Button, Mortise Locking Device With Deadbolt And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	678.73	60.73
	<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
	<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2297	EA Five Button, Exit Trim, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	645.10	60.73
	<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
	<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2298	Mechanical Pushbutton Combination Locks (Kaba® Simplex® 8100 Series) (08 71 11 00-2281) Note: Satin chrome or antique brass finish.		
08 71 11 00-2299	EA Five Button, Mortise Locking Device With Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series).....	683.44	60.73
	<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 11 00-2300	EA Five Button, Mortise Locking Device With Deadbolt, Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series)	703.61	60.73
	<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 11 00-2301	Mechanical Pushbutton Combination Locks (Kaba® Simplex® LD 450/470) (08 71 11 00-2281) Note: Satin stainless, bright brass or antique brass finish.		
08 71 11 00-2302	EA Twelve Button, Tubular Latch Locking Device, Light Duty, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® LD 450 Series)	335.72	60.73
08 71 11 00-2303	EA Twelve Button, Tubular Latch Locking Device With Passage, Light Duty, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® LD 470 Series).....	424.50	60.73
08 71 11 00-2304	Electrical Pushbutton Combination Locks (08 71 11 00-2280) Note: Privacy option limits access to privileged users (master codes).		



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2305 Electrical Pushbutton Combination Locks (Kaba® E-Plex® 2000 Series) <small>(08 71 11 00-2304)</small> Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 100 access codes and 1,000 audit events.		
08 71 11 00-2306 EA Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	545.56	60.73
For Satin Brass Finish, Add	17.50	
08 71 11 00-2307 EA Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	626.27	60.73
For Satin Brass Finish, Add	17.50	
08 71 11 00-2308 EA Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	646.45	60.73
For Satin Brass Finish, Add	17.50	
08 71 11 00-2309 EA Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	612.82	60.73
For Satin Brass Finish, Add	17.50	
08 71 11 00-2310 EA Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	579.19	60.73
For Satin Brass Finish, Add	17.50	
08 71 11 00-2311 EA Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	646.45	60.73
For Satin Brass Finish, Add	17.50	
08 71 11 00-2312 EA Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	659.90	60.73
For Satin Brass Finish, Add	17.50	
08 71 11 00-2313 EA Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	680.07	60.73
For Satin Brass Finish, Add	17.50	
08 71 11 00-2314 EA Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	646.45	60.73
For Satin Brass Finish, Add	17.50	
08 71 11 00-2315 Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3000 Series) <small>(08 71 11 00-2304)</small> Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 300 access codes and 9,000 audit events.		
08 71 11 00-2316 EA Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series).....	680.07	60.73
For Dark Bronze Finish With Brass Accents, Add	70.00	
For Remote Unlock, Add	92.44	
Note: Excludes momentary contact switch.		
08 71 11 00-2317 EA Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series).....	680.07	60.73
For Dark Bronze Finish With Brass Accents, Add	70.00	
For Remote Unlock, Add	92.44	
Note: Excludes momentary contact switch.		
08 71 11 00-2318 Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3200 Series) <small>(08 71 11 00-2304)</small> Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2319 EA Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series).....	784.32	60.73
For Dark Bronze Finish With Brass Accents, Add	70.00	
For Remote Unlock, Add	92.44	
Note: Excludes momentary contact switch.		
08 71 11 00-2320 EA Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series).....	784.32	60.73
For Dark Bronze Finish With Brass Accents, Add	70.00	
For Remote Unlock, Add	92.44	
Note: Excludes momentary contact switch.		
08 71 11 00-2321 Electrical Pushbutton Combination Locks (Kaba® E-Plex® 5200 Series) <small>(08 71 11 00-2304)</small> Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2322 EA Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	838.13	60.73
For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50	
For Dark Bronze Finish With Brass Accents, Add	70.00	
For Remote Unlock, Add	92.44	
Note: Excludes momentary contact switch.		
08 71 11 00-2323 EA Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	905.38	60.73
For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50	
For Dark Bronze Finish With Brass Accents, Add	70.00	
For Remote Unlock, Add	92.44	
Note: Excludes momentary contact switch.		
08 71 11 00-2324 EA Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	918.83	60.73
For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50	
For Dark Bronze Finish With Brass Accents, Add	70.00	
For Remote Unlock, Add	92.44	
Note: Excludes momentary contact switch.		

08 Openings**08 70 Hardware**

08 71 Door Hardware



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2325	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	939.01	60.73
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	92.44	
		<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2326	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	905.38	60.73
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	92.44	
		<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2327		Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5800 Series) <small>(08 71 11 00-2304)</small>		
		<i>Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.</i>		
08 71 11 00-2328	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	1,157.59	60.73
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	92.44	
		<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2329	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	1,224.85	60.73
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	92.44	
		<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2330	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	1,238.30	60.73
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	92.44	
		<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2331	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	1,258.48	60.73
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	92.44	
		<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2332	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	1,224.85	60.73
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	92.44	
		<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2333		Entry/Egress, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5886 Series) <small>(08 71 11 00-2304)</small>		
		<i>Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.</i>		
08 71 11 00-2334	EA	Twelve Button, Mortise Locking Device, Entry/Egress, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5886 Series)	1,614.93	60.73
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	35.00	
08 71 11 00-2335		Stand Alone Access Controller, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5870 Series) <small>(08 71 11 00-2304)</small>		
		<i>Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.</i>		
08 71 11 00-2336	EA	Twelve Button, Stand Alone Access Controller, Electrical Pushbutton Combination Lock/Card Reader (Kaba® E-Plex® 5870 Series)	1,039.89	60.73
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2337		Electrical Pushbutton Combination Lock Accessories (Kaba® E-Plex®) <small>(08 71 11 00-2304)</small>		
08 71 11 00-2338	EA	Standard Software Implementation Kit (Kaba® E-Plex®)	530.61	
08 71 11 00-2339	EA	Enterprise Software Implementation Kit (Kaba® E-Plex®)	665.12	
08 71 11 00-2340	EA	E-Plex General FIPS Software Implementation Kit (Kaba® E-Plex®)	866.89	
08 71 11 00-2341	EA	USB FIPS/DESFire Card Reader/Enroller (Kaba® E-Plex®)	268.66	
08 71 11 00-2342	EA	High Capacity Battery Kit (Kaba® E-Plex® E5x00 Series)	80.79	
		<i>Note: Includes 4 C-cell battery pack.</i>		
08 71 11 00-2343	EA	12-24 VDC Power Interface Kit (Kaba® E-Plex® E5x00 Series)	94.91	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2344 Self-Powered, Electrical Pushbutton Combination Locks (Kaba® PowerPlex® 2000 Series) <small>(08 71 11 00-2304)</small> Note: ANSI/BHMA Grade 1. Satin chrome finish.		
08 71 11 00-2345 EA Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	663.26	60.73
For Satin Brass Finish, Add	17.50	
For Owner Furnished Material, Deduct	-420.35	
08 71 11 00-2346 EA Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	743.97	60.73
For Satin Brass Finish, Add	17.50	
For Owner Furnished Material, Deduct	-501.06	
08 71 11 00-2347 EA Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	764.14	60.73
For Satin Brass Finish, Add	17.50	
For Owner Furnished Material, Deduct	-521.23	
08 71 11 00-2348 EA Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	730.52	60.73
For Satin Brass Finish, Add	17.50	
For Owner Furnished Material, Deduct	-487.61	
08 71 11 00-2349 EA Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	696.89	60.73
For Satin Brass Finish, Add	17.50	
For Owner Furnished Material, Deduct	-453.98	
08 71 11 00-2350 EA Twelve Button, Cylindrical Locking Device With Privacy, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	764.14	60.73
For Satin Brass Finish, Add	17.50	
For Owner Furnished Material, Deduct	-521.23	
08 71 11 00-2351 EA Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	777.60	60.73
For Satin Brass Finish, Add	17.50	
For Owner Furnished Material, Deduct	-534.69	
08 71 11 00-2352 EA Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	797.77	60.73
For Satin Brass Finish, Add	17.50	
For Owner Furnished Material, Deduct	-554.86	
08 71 11 00-2353 EA Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	764.14	60.73
For Satin Brass Finish, Add	17.50	
For Owner Furnished Material, Deduct	-521.23	
08 71 11 00-2354 Electrical Pushbutton Combination Locks (Schlage) <small>(08 71 11 00-2304)</small> Note: ANSI/BHMA Grade 1. Satin chrome finish.		
08 71 11 00-2355 EA Class 100, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO100CY70KP626BD-D)	647.26	60.31
For Owner Furnished Material, Deduct	-406.01	
08 71 11 00-2356 EA Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70KP-D)	738.40	60.31
For Owner Furnished Material, Deduct	-497.15	
08 71 11 00-2357 EA Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70MSK626)	824.22	60.31
For Owner Furnished Material, Deduct	-582.97	
08 71 11 00-2358 EA Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70KP626).....	1,055.04	60.31
For Owner Furnished Material, Deduct	-813.79	
08 71 11 00-2359 EA Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70MKS626).....	1,146.78	60.31
For Owner Furnished Material, Deduct	-905.53	
08 71 11 00-2360 EA Class 400, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD400CY70MSKSPA626)	1,254.50	60.31
For Owner Furnished Material, Deduct	-1,013.25	
08 71 11 00-2361 EA Class 300, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD300CY70MSKSPA626)	1,158.62	60.31
For Owner Furnished Material, Deduct	-917.37	
08 71 11 00-2362 Residential Locks And Latchsets <small>(08 71 11 00-2247)</small>		
08 71 11 00-2363 EA Residential Entry Lockset With Knobs (Master Keyed).....	67.19	14.58
08 71 11 00-2364 EA Residential Privacy Lockset With Knobs.....	66.19	14.58
08 71 11 00-2365 EA Residential Passage Lockset With Knobs	66.06	14.58
08 71 11 00-2366 EA Residential Dummy Lockset With Knobs	53.18	12.15
08 71 11 00-2367 EA Residential Entry Lockset With Levers (Master Keyed)	74.10	14.58
08 71 11 00-2368 EA Residential Privacy Lockset With Levers	71.81	14.58
08 71 11 00-2369 EA Residential Passage Lockset With Levers	70.14	14.58
08 71 11 00-2370 EA Residential Dummy Lockset With Levers	53.97	12.15
08 71 11 00-2371 EA Screen Door - Closer	38.29	10.49
08 71 11 00-2372 EA Screen Door - Locking Handle.....	44.32	15.06
08 71 11 00-2373 Deadbolts <small>(08 71 11 00-2247)</small>		
08 71 11 00-2374 Cylindrical Deadbolts, Grade 1, ANSI 156.5 <small>(08 71 11 00-2373)</small> Note: 2-3/8" or 2-3/4" backset.		

08 Openings**08 70 Hardware**

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2375	EA		Single Cylinder Deadbolt, Key One Side, Knob One Side..... Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish. <i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	136.00 4.20	24.12
08 71 11 00-2376	EA		Double Cylinder Deadbolt, Key Both Sides..... Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish. <i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	151.57 4.20	24.12
08 71 11 00-2377			Cylindrical Deadbolts, Grade 2, ANSI 156.5 (08 71 11 00-2373) Note: 2-3/8" or 2-3/4" backset.		
08 71 11 00-2378	EA		Single Cylinder Deadbolt, Key One Side, Knob One Side..... Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish. <i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	125.34 4.20	24.12
08 71 11 00-2379	EA		Double Cylinder Deadbolt, Key Both Sides..... Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish. <i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	142.34 4.20	24.12
08 71 11 00-2380			Small Case Mortised Deadbolts, Grade 1, ANSI 156.5 (08 71 11 00-2373) Note: Interchangeable cores with small case size, 4-1/2" x 3-1/2" nominal.		
08 71 11 00-2381	EA		Small Case Mortised Deadbolt, Key One Side, Knob One Side..... Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).	174.90	24.12
08 71 11 00-2382	EA		Small Case Mortised Deadbolt, Key Both Sides..... Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal). Also used for Classroom version.	189.31	24.12
08 71 11 00-2383	EA		Small Case Mortised Deadbolt, Key One Side, Cover Plate One Side..... Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).	172.02	24.12
08 71 11 00-2384			Mortised Deadbolts, Grade 1, ANSI 156.5 (08 71 11 00-2373) Note: Interchangeable cores with standard case size, 4-1/2" x 6" nominal.		
08 71 11 00-2385	EA		Mortised Deadbolt, Key One Side, Knob One Side..... Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).	214.10	24.12
08 71 11 00-2386	EA		Mortised Deadbolt, Key Both Sides..... Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal). Also used for Classroom version.	237.74	24.12
08 71 11 00-2387	EA		Mortised Deadbolt, Key One Side, Cover Plate One Side..... Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).	193.93	24.12
08 71 11 00-2388			Surface Mounted Deadbolts (08 71 11 00-2373)		
08 71 11 00-2389	EA		Single Cylinder Surface Mounted Deadbolt..... Note: Key one side, knob one side, bright brass finish. <i>For Brushed Chrome Finish, Add</i>	102.11 10.50	24.12
08 71 11 00-2390	EA		Double Cylinder Surface Mounted Deadbolt..... Note: Key both sides, bright brass finish. <i>For Brushed Chrome Finish, Add</i>	112.53 10.50	24.12
08 71 11 00-2391	EA		Single Cylinder Surface Mounted Interlocking Deadbolt..... Note: Jimmy proof, key one side, knob one side, bright brass finish. <i>For Brushed Chrome Finish, Add</i>	120.81 10.50	24.12
08 71 11 00-2392	EA		Double Cylinder Surface Mounted Interlocking Deadbolt..... Note: Jimmy proof, key both sides, bright brass finish. <i>For Brushed Chrome Finish, Add</i>	131.23 10.50	24.12
08 71 11 00-2393			Surface Mounted Deadlatches (08 71 11 00-2247)		
08 71 11 00-2394	EA		Single Cylinder Surface Mounted Deadlatch..... Note: Key one side, knob one side, bright brass finish. <i>For Brushed Chrome Finish, Add</i>	102.93 10.50	24.12
08 71 11 00-2395	EA		Single Cylinder Surface Mounted Interlocking Deadlatch..... Note: Jimmy proof, key one side, knob one side, bright brass finish. <i>For Brushed Chrome Finish, Add</i>	120.85 10.50	24.12
08 71 11 00-2396			Electric Strikes (08 71 11 00-2247)		
08 71 11 00-2397	EA		Aluminum/Steel Body Electric Strike (Von Duprin 5100).....	266.88	48.25
08 71 11 00-2398	EA		Stainless Steel Body Electric Strike For Rim Mounted Lock (Von Duprin 6112).....	548.93	48.25
08 71 11 00-2399	EA		Stainless Steel Body Electric Strike (Von Duprin 6215).....	577.66	48.25
08 71 11 00-2400	EA		Dual Voltage Electric Strike, Stainless Steel Body, 12/24 Volts DC, 3,070 LB Static Strength (HES 1006).....	415.07	48.25
08 71 11 00-2401	EA		Fire Rated Electric Strike, Stainless Steel Body, 12/24 Volts DC, 3,000 LB Static Strength (HES 4500).....	412.84	48.25
08 71 11 00-2402	EA		Low Profile Electric Strike, Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 5000).....	220.51	48.25
08 71 11 00-2403	EA		Adjustable Electric Strike, Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 5200).....	220.51	48.25
08 71 11 00-2404	EA		Electric Strike With Preload, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength, Cylindrical Or Rim Exit Device (HES 7000).....	272.75	48.25
08 71 11 00-2405	EA		Cylindrical Lock Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 7500).....	457.51	48.25
08 71 11 00-2406	EA		Compact Concealed Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 8000).....	244.71	48.25
08 71 11 00-2407	EA		Fire Rated Compact Concealed Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 8300).....	423.39	48.25
08 71 11 00-2408	EA		Fire Rated Concealed Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 8500).....	378.34	48.25
08 71 11 00-2409	EA		Slim Line Surface Mounted Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 9400).....	454.12	63.69
08 71 11 00-2410	EA		Fire Rated Surface Mounted Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength, Rim Exit Device (HES 9500).....	510.29	63.69



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2411	EA		Surface Mounted Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength, Rim Exit Device (HES 9600).....	454.42	63.69
08 71 11 00-2412			Electric Hardware (08 71 11 00-2247)		
08 71 11 00-2413	EA		Electrified Cylindrical Lock Option Note: Excludes the lock. This task is used in conjunction with other locks in the CTC to electrify the lock.	129.06	
08 71 11 00-2414	EA		Electrified Mortise Lock Option Note: Excludes the lock. This task is used in conjunction with other locks in the CTC to electrify the lock.	147.83	
08 71 11 00-2415	EA		24" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	83.73	24.12
08 71 11 00-2416	EA		1 Amp At 12/24 Volt DC, Door Hardware Power Supply.....	243.80	24.12
08 71 11 00-2417	EA		3 Amp At 12 Volt DC, 2 Amp At 24 Volt DC, Door Hardware Power Supply.....	411.87	24.12
08 71 11 00-2418	EA		4.5 Amp At 12 Volt DC, 3 Amp At 24 Volt DC, Door Hardware Power Supply.....	622.39	24.12
08 71 11 00-2419	EA		6 Amp At 12 Volt DC, 4 Amp At 24 Volt DC, Door Hardware Power Supply.....	686.81	24.12
08 71 11 00-2420	EA		9 Amp At 12 Volt DC, 6 Amp At 24 Volt DC, Door Hardware Power Supply.....	817.34	24.12
08 71 11 00-2421	EA		15 Amp At 12 Volt DC, 10 Amp At 24 Volt DC, Door Hardware Power Supply.....	987.87	24.12
08 71 11 00-2422	EA		18" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	72.80	24.12
08 71 11 00-2423	EA		24" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	74.08	24.12
08 71 11 00-2424	EA		30" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	81.99	24.12
08 71 11 00-2425	EA		45" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	83.56	24.12
08 71 11 00-2426	EA		60" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	84.36	24.12
08 71 11 00-2427	EA		72" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	88.90	24.12
08 71 11 00-2428	EA		12" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	73.61	24.12
08 71 11 00-2429	EA		18" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	79.95	24.12
08 71 11 00-2430	EA		36" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	84.97	24.12
08 71 11 00-2431	EA		49" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	93.65	24.12
08 71 11 00-2432	EA		60" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	96.06	24.12
08 71 11 00-2433	EA		12" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	81.54	24.12
08 71 11 00-2434	EA		18" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	90.42	24.12
08 71 11 00-2435	EA		18" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	60.45	24.12
08 71 11 00-2436	EA		24" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	67.32	24.12
08 71 11 00-2437	EA		30" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	70.95	24.12
08 71 11 00-2438	EA		36" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	74.84	24.12
08 71 11 00-2439	EA		60" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	95.06	24.12
08 71 11 00-2440	EA		72" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	103.51	24.12
08 71 11 00-2441	EA		12" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	63.26	24.12
08 71 11 00-2442	EA		18" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	65.91	24.12
08 71 11 00-2443	EA		24" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	73.79	24.12
08 71 11 00-2444	EA		36" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	86.34	24.12
08 71 11 00-2445	EA		48" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	97.56	24.12
08 71 11 00-2446	EA		60" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	115.99	24.12
08 71 11 00-2447	EA		12" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	67.67	24.12
08 71 11 00-2448	EA		18" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	71.73	24.12
08 71 11 00-2449	EA		Two 18 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer.....	423.34	24.12
08 71 11 00-2450	EA		Ten 24 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer.....	464.76	33.78
08 71 11 00-2451			Magnetic Locks (08 71 11 00-2247)		
08 71 11 00-2452	EA		Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40).....	541.54	115.80
08 71 11 00-2453	EA		Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40TJ).....	646.04	130.28
08 71 11 00-2454	EA		Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70).....	624.97	115.80
08 71 11 00-2455	EA		Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70TJ).....	729.31	130.28
08 71 11 00-2456	EA		Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420).....	655.92	125.45
08 71 11 00-2457	EA		Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450).....	713.15	125.45
08 71 11 00-2458	EA		Electromagnetic Lock, 1500 lb. Holding Force, Aluminum (Schlage M490).....	757.69	125.45
08 71 11 00-2459	EA		Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420P)..... Note: Includes magnetic bond sensor, door position switch and relock time delay.	835.36	144.75
08 71 11 00-2460	EA		Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450P)..... Note: Includes magnetic bond sensor, door position switch and relock time delay.	911.43	144.75
08 71 11 00-2461	EA		Electromagnetic Lock, 1500 lb. Holding Force, Aluminum (Schlage M490P)..... Note: Includes magnetic bond sensor, door position switch and relock time delay.	945.69	144.75
08 71 11 00-2462	EA		2 Amp Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS902).....	285.39	48.25
08 71 11 00-2463	EA		4 Amp Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS904).....	456.29	48.25
08 71 11 00-2464	EA		6 Amp Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS906).....	545.11	48.25
08 71 11 00-2465			Door Coordinators (08 71 11)		
08 71 11 00-2466	EA		32" COR Series Door Coordinator..... Note: Satin chrome finish. Includes two mounting brackets.	326.65	30.16
			<i>For Anodized Aluminum Finish, Deduct</i>	-82.41	
08 71 11 00-2467	EA		42" COR Series Door Coordinator..... Note: Satin chrome finish. Includes two mounting brackets.	342.73	31.36
			<i>For Anodized Aluminum Finish, Deduct</i>	-86.91	
08 71 11 00-2468	EA		52" COR Series Door Coordinator..... Note: Satin chrome finish. Includes two mounting brackets.	351.35	32.57
			<i>For Anodized Aluminum Finish, Deduct</i>	-88.43	
08 71 11 00-2469	EA		60" COR Series Door Coordinator..... Note: Satin chrome finish. Includes two mounting brackets.	366.43	33.78
			<i>For Anodized Aluminum Finish, Deduct</i>	-92.53	
08 71 11 00-2470	EA		72" COR Series Door Coordinator..... Note: Satin chrome finish. Includes two mounting brackets.	391.58	34.98
			<i>For Anodized Aluminum Finish, Deduct</i>	-100.66	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2471 EA Up To 20" Filler Bar For Door Coordinator..... <i>For Anodized Aluminum Finish, Deduct</i>	79.51 -16.36	9.65
08 71 11 00-2472 EA Up To 32" Filler Bar For Door Coordinator..... <i>For Anodized Aluminum Finish, Deduct</i>	87.81 -17.75	10.86
08 71 11 00-2473 EA Up To 44" Filler Bar For Door Coordinator..... <i>For Anodized Aluminum Finish, Deduct</i>	100.47 -20.89	12.07
08 71 11 00-2474 EA CB1 Carry Bar For Door Coordinator..... <i>For Anodized Aluminum Finish, Deduct</i>	77.33 -11.63	12.07
08 71 11 00-2475 EA 7" Projection COR Series Gravity Type Door Coordinator..... <i>For Anodized Aluminum Finish, Deduct</i>	114.57 -16.88	18.09
08 71 11 00-2476 EA 9" Projection COR Series Gravity Type Door Coordinator..... <i>For Anodized Aluminum Finish, Deduct</i>	121.33 -19.58	18.09
08 71 11 00-2477 Removal And Reinstallation Of Door Hardware <small>(08 71 11)</small> Note: Includes storage and cleaning. Excludes removal of door where required. See CSI section 08 05 13 00-0041 for removal and reinstallation of door.		
08 71 11 00-2478 EA Removal And Reinstallation Of Door Lockset, Entrance.....	72.38	
08 71 11 00-2479 EA Removal And Reinstallation Of Door Lockset, Mortise.....	115.80	
08 71 11 00-2480 EA Removal And Reinstallation Of Deadbolt Lock.....	77.20	
08 71 11 00-2481 PR Removal And Reinstallation Of Butts/Hinges.....	19.30	
08 71 11 00-2482 EA Removal And Reinstallation Of Door Bumper.....	6.76	
08 71 11 00-2483 EA Removal And Reinstallation Of Surface Mounted Panic Device.....	193.00	
08 71 11 00-2484 EA Removal And Reinstallation Of Kick Plate.....	24.12	
08 71 11 00-2485 EA Removal And Reinstallation Of Push Plate.....	19.30	
08 71 11 00-2486 EA Removal And Reinstallation Of Surface Mounted Door Closer Or Holder.....	96.50	
08 71 11 00-2487 EA Removal And Reinstallation Of Door Handles.....	14.48	
08 71 11 00-2488 Electromagnetic Door Release <small>(08 71 11)</small>		
08 71 11 00-2489 EA Electro-Magnetic Door Release, Wall Mount, Surface 120 Volt AC, 24 Volt AC/DC, 12 Volt DC.....	417.79	60.80
08 71 11 00-2490 EA Electro-Magnetic Door Release, Wall Mount, Recessed 120 Volt AC, 24 Volt AC/DC, 12 Volt DC.....	409.39	60.80
08 71 11 00-2491 EA Electro-Magnetic Door Release, Wall Mount, Recessed, Adjustable 120 Volt AC, 24 Volt AC/DC, 12 Volt DC.....	451.71	60.80
08 71 11 00-2492 EA Electro-Magnetic Door Release, Wall Mount, Surface Or Recessed, High Hold 24 Volt AC/DC.....	701.51	60.80
08 71 11 00-2493 EA Electro-Magnetic Door Release, Sliding Door 24 Volt DC.....	679.23	60.80
08 71 11 00-2494 EA Electro-Magnetic Door Release, Overhead Door 120 Volt AC, 24 Volt AC/DC, 12 Volt DC.....	679.23	60.80
08 71 11 00-2495 EA Electro-Magnetic Door Release, Floor Mount, Single Door 120 Volt AC, 24 Volt AC/DC, 12 Volt DC.....	624.75	60.80
08 71 11 00-2496 EA Electro-Magnetic Door Release, Floor Mount, Back-to-Back Door 120 Volt AC, 24 Volt AC/DC, 12 Volt DC.....	762.50	60.80
08 71 11 00-2497 EA Photo Electric Smoke Detector Suitable For Door Holder Release.....	740.06	60.80
08 71 11 00-2498 EA Ionization Type Smoke Detector Suitable For Door Holder Release.....	895.02	60.80
08 71 11 00-2499 EA Surface Wall Mount, Electromagnetic Door Holder (Sargent 1560)..... Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	459.77	60.80
08 71 11 00-2500 EA Flush Mount, Electromagnetic Door Holder (Sargent 1561)..... Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	453.26	60.80
08 71 11 00-2501 EA Floor Mount, Electromagnetic Door Holder (LCN SEM7820)..... Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	656.80	60.80
08 71 11 00-2502 EA Surface Wall Mount, Electromagnetic Door Holder (LCN SEM7830)..... Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	480.58	60.80
08 71 11 00-2503 EA Low Profile Recessed Wall Mount, Electromagnetic Door Holder (LCN SEM7840)..... Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	480.58	60.80
08 71 11 00-2504 EA Recessed Wall Mount, Electromagnetic Door Holder (LCN SEM7850)..... Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	480.58	60.80
08 71 13 Automatic Door Operators <small>(08 71)</small>		
08 71 13 00-0001 Automatic Door Operators (LCN) <small>(08 71 13)</small>		
08 71 13 00-0002 EA Automatic Door Operator, Surface Mount ADA Door Operator With Pull Arm (LCN 9531)..... Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.	2,320.05	
08 71 13 00-0003 EA Automatic Door Operator, Surface Mount ADA Door Operator With Push Arm (LCN 9542)..... Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.	2,320.05	
08 71 53 Security Door Hardware <small>(08 71)</small>		
08 71 53 00-0001 Door Exit Alarm Hardware <small>(08 71 53)</small>		
08 71 53 00-0002 EA Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500).....	235.87	36.19
08 71 53 00-0003 EA Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500W).....	318.49	36.19
08 71 53 00-0004 EA Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300)..... Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.	271.16	36.19
08 71 53 00-0005 EA Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300W)..... Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.	344.23	36.19
08 71 53 00-0006 EA Wall Mount Exit Alarm, Audible Alarm, AC/DC (Detex EAX-2500).....	403.44	48.25
08 71 53 00-0007 EA Surface Mounted Magnetic Switch (Detex MS-1039S or MS-1059S)..... Note: For use with Detex EAX exit alarms.	73.14	48.25

08 72 Weatherstripping, Thresholds And Seals (08 70)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33			Weatherstripping And Seals (08 72)		
08 72 33 00-0001			Weather-Stripping And Seals (08 72 33)		
08 72 33 00-0002			Astragals (08 72 33 00-0001) Note: Astragal and meeting stile seals are used to seal the gap between a pair of doors.		
08 72 33 00-0003			Adhesive Backed Astragals (08 72 33 00-0002)		
08 72 33 00-0004	LF		7/16" Width, 9/32" Height, Edge Mount, Single Fin, Adhesive Backed Flexible Astragal (Pemko S771).....	4.15	0.72
08 72 33 00-0005	LF		1/2" Width, 3/16" Height, Edge Mount, Double Fin, Adhesive Backed Flexible Astragal (Pemko S772)	4.62	0.72
08 72 33 00-0006	LF		1-1/8" Width, 3/16" Height, Mullion Mount, Adhesive Backed Mullion Gasketing (Pemko 5110).....	3.53	0.72
08 72 33 00-0007			Overlapping Astragals (08 72 33 00-0002)		
08 72 33 00-0008			Aluminum, Overlapping Astragals (08 72 33 00-0007)		
08 72 33 00-0009	LF		2" Width, 1/8" Height, Clear Anodized Aluminum, Overlapping Astragal (Pemko 357C).....	16.51	4.34
			<i>For Color Anodized Finish, Add</i>	2.38	
08 72 33 00-0010			Stainless Steel, Overlapping Astragals (08 72 33 00-0007)		
08 72 33 00-0011	LF		2" Width, 1/8" Height, Stainless Steel, Overlapping Astragal (Pemko 357SS).....	33.42	4.34
08 72 33 00-0012			"T" Astragals (08 72 33 00-0002)		
08 72 33 00-0013			Aluminum, "T" Astragals (08 72 33 00-0012)		
08 72 33 00-0014	LF		1" Width, 11/16" Height, Mill Aluminum, "T" Astragal (Pemko 359A).....	10.71	4.34
			<i>For Color Anodized Finish, Add</i>	0.75	
08 72 33 00-0015	LF		Vinyl Insert, 3/4" Width, 1/4" Height, Mill Aluminum, "T" Astragal (Pemko 356AV).....	13.50	4.34
			<i>For Color Anodized Finish, Add</i>	0.98	
08 72 33 00-0016	LF		Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 355CP)	13.93	4.34
			<i>For Color Anodized Finish, Add</i>	1.87	
			<i>For Silicone Insert, Add</i>	0.63	
08 72 33 00-0017	LF		Neoprene Sponge Insert, 1-1/8" Width, 1/2" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 352CR)	25.85	4.34
			<i>For Color Anodized Finish, Add</i>	6.04	
08 72 33 00-0018			Brass/Bronze, "T" Astragals (08 72 33 00-0012)		
08 72 33 00-0019	LF		Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Brass/Bronze, "T" Astragal (Pemko 355BP).....	48.19	4.34
			<i>For Silicone Insert, Add</i>	0.63	
08 72 33 00-0020			Locking Astragals (08 72 33 00-0002)		
08 72 33 00-0021			Outswing Locking Astragals (08 72 33 00-0020) Note: Includes two units. A housing containing the locking bolt which fastens to the inactive leaf and a "T" astragal with a seal that fastens to the active leaf.		
08 72 33 00-0022			Aluminum, Outswing Locking Astragals (08 72 33 00-0021)		
08 72 33 00-0023	LF		Slide Bolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3443CS).....	34.62	4.34
			Note: Includes pile seal at inner door edge and neoprene bottom seal.		
			<i>For Color Anodized Finish, Add</i>	5.21	
08 72 33 00-0024	LF		Locking Springbolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3444CS).....	40.20	4.34
			Note: Includes pile seal at inner door edge and neoprene bottom seal.		
			<i>For Color Anodized Finish, Add</i>	6.32	
08 72 33 00-0025	LF		Slide Bolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3445BDQ)	38.85	4.34
			Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
			<i>For Thermal Break, Add</i>	1.82	
08 72 33 00-0026	LF		Locking Springbolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3446BDGQ)	43.39	4.34
			Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
			<i>For Thermal Break, Add</i>	2.09	
08 72 33 00-0027			Inswing Locking Astragals (08 72 33 00-0020) Note: Includes one unit containing the locking bolt and astragal with seal, which fastens to the inactive leaf.		
08 72 33 00-0028			Wood, Inswing Locking Astragals (08 72 33 00-0027)		
08 72 33 00-0029	LF		Flush Bolt, 1-1/4" Width, 1/2" Height, Wood, Inswing Locking Astragal (Pemko 34832)	40.55	4.34
08 72 33 00-0030	LF		Flush Bolt, 1-1/4" Width, 1-3/16" Height, Wood, Inswing Locking Astragal (Pemko 3481Q)	40.34	4.34
			Note: Includes kerf-in foam seal.		
08 72 33 00-0031			Aluminum, Inswing Locking Astragals (08 72 33 00-0027)		
08 72 33 00-0032	LF		Slide Bolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3493CV)	22.92	4.34
			Note: Includes pile seal at inner door edge and neoprene bottom seal.		
			<i>For Silicone Insert, Add</i>	0.63	
			<i>For Color Anodized Finish, Add</i>	2.87	

08 Openings**08 70 Hardware****08 72 Weatherstripping, Thresholds And Seals**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0033	LF		Locking Springbolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3494CV).....	27.59	4.34
			Note: Includes pile seal at inner door edge and neoprene bottom seal.		
			For Silicone Insert, Add	0.63	
			For Color Anodized Finish, Add	3.80	
08 72 33 00-0034	LF		Slide Bolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3495CQ).....	24.69	4.34
			Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
			For Magnetic Kerf-In Insert, Add	0.47	
			For Color Anodized Finish, Add	3.22	
08 72 33 00-0035	LF		Locking Springbolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3496CQ).....	29.31	4.34
			Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
			For Magnetic Kerf-In Insert, Add	0.47	
			For Color Anodized Finish, Add	4.15	
08 72 33 00-0036			Security Astragals (08 72 33 00-0002)		
08 72 33 00-0037	LF		Vinyl Seal, 1/2" Thick Cam, 1-3/4" Width, Clear Anodized Aluminum, Security Astragal (Pemko 378C).....	21.37	4.34
			For Color Anodized Finish, Add	12.79	
08 72 33 00-0038	LF		2-1/4" Width, 10 Gauge Galvanized Steel, Offset Security Bar, Security Astragal (Pemko 3572SP).....	36.05	4.34
08 72 33 00-0039			Meeting Stile Astragals (08 72 33 00-0002)		
08 72 33 00-0040			One Piece, Meeting Stile Astragals (08 72 33 00-0039)		
			Note: Includes one astragal for one door only.		
08 72 33 00-0041	LF		1/4" Vinyl Or Pile Insert, 5/32" Width, 13/32" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 369AP).....	13.34	4.34
			For Color Anodized Finish, Add	1.43	
08 72 33 00-0042	LF		1/4" Neoprene Loop Insert, 7/16" Width, 3/4" Height, Surface/Mortise Mount, Mill Aluminum, One Piece, Meeting Stile Astragal (Pemko 313AN).....	20.82	6.46
			For Color Anodized Finish, Add	3.17	
08 72 33 00-0043	LF		9/16" Neoprene Loop Insert, 3/4" Width, 1-3/8" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 314CN).....	27.72	6.46
			For Color Anodized Finish, Add	1.48	
08 72 33 00-0044	LF		15/16" Neoprene Loop Insert, 1-1/8" Width, 1-3/4" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 358CN).....	28.60	6.46
			For Color Anodized Finish, Add	3.93	
08 72 33 00-0045	LF		1/8" Width, 1-1/2" Height, Side Mount, Spring Bronze, One Piece, Meeting Stile Astragal (Pemko B71).....	30.76	6.46
08 72 33 00-0046			Two Piece, Meeting Stile Split Astragals (08 72 33 00-0039)		
			Note: Includes one astragal for each door.		
08 72 33 00-0047	LF		1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 297AV).....	16.54	6.46
			For Silicone Insert, Add	0.95	
			For Color Anodized Finish, Add	3.65	
08 72 33 00-0048	LF		1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 316AV).....	16.54	6.46
			For Color Anodized Finish, Add	3.65	
08 72 33 00-0049	LF		1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 303AV).....	16.54	6.46
			For Silicone Insert, Add	0.95	
			For Color Anodized Finish, Add	3.65	
08 72 33 00-0050	LF		3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 305CN).....	26.21	6.46
			For Silicone Insert, Add	0.63	
			For Color Anodized Finish, Add	2.66	
08 72 33 00-0051	LF		3/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18041CNB).....	21.45	6.46
			For Color Anodized Finish, Add	3.42	
08 72 33 00-0052	LF		5/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18061CNB).....	22.09	6.46
			For Color Anodized Finish, Add	3.68	
08 72 33 00-0053	LF		3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29310CV).....	26.85	6.46
			For Color Anodized Finish, Add	6.98	
			For Silicone Insert, Add	0.95	
08 72 33 00-0054	LF		3/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29324CNB).....	27.48	6.46
			For Color Anodized Finish, Add	5.84	
08 72 33 00-0055	LF		5/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29326CNB).....	28.11	6.46
			For Color Anodized Finish, Add	6.09	
08 72 33 00-0056			Two Piece, Adjustable Meeting Stile Split Astragals (08 72 33 00-0039)		
			Note: Includes one astragal for each door.		
08 72 33 00-0057			Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (08 72 33 00-0056)		
08 72 33 00-0058	LF		3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354CP).....	50.63	6.46
			For Color Anodized Finish, Add	9.44	
			For Silicone Insert, Add	0.63	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 72 33 00-0059	LF		3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351CP) 51.63 <i>For Silicone Insert, Add</i> 0.63 <i>For Color Anodized Finish, Add</i> 7.75		6.46
	08 72 33 00-0060			Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (08 72 33 00-0056)		
	08 72 33 00-0061	LF		3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Mortise Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354BP) 147.06 <i>For Silicone Insert, Add</i> 0.63		6.46
	08 72 33 00-0062	LF		3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351BP) 137.67 <i>For Silicone Insert, Add</i> 0.63		6.46
	08 72 33 00-0063			Door Sweeps (08 72 33 00-0001)		
	08 72 33 00-0064			Tack On Door Sweeps (08 72 33 00-0063)		
	08 72 33 00-0065	LF		For Sealing Up To 3/4" Gap, Side Mount, Vinyl Tack On Door Sweep (Pemko V365) 5.94		2.41
	08 72 33 00-0066	LF		For Sealing Up To 5/8" Gap, Bottom Mount, Rubber Tack On Door Sweep (Pemko R364) 6.03		2.41
	08 72 33 00-0067	LF		For Sealing Up To 1-3/8" Gap, Bottom Mount, Vinyl Tack On Door Sweep (Pemko P361V) 6.31		2.41
	08 72 33 00-0068			Aluminum Retainer Door Sweeps (08 72 33 00-0063)		
	08 72 33 00-0069			35 Degree, Aluminum Retainer Door Sweeps (08 72 33 00-0068) Note: The retainer mounts to the door face with the sweep positioned 35 degrees from the door. Includes clear anodized finish.		
	08 72 33 00-0070	LF		5/16" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35041CNB) 14.25 <i>For Color Anodized Finish, Add</i> 1.84		4.82
	08 72 33 00-0071	LF		1/2" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35061CNB) 14.72 <i>For Color Anodized Finish, Add</i> 1.77		4.82
	08 72 33 00-0072			45 Degree, Aluminum Retainer Door Sweeps (08 72 33 00-0068) Note: The retainer mounts to the door face with the sweep positioned 45 degrees from the door. Includes clear anodized finish.		
	08 72 33 00-0073	LF		1-3/4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45175CNB) 22.34 <i>For Color Anodized Finish, Add</i> 5.08		4.82
	08 72 33 00-0074	LF		2-1/2" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45250CNB) 24.24 <i>For Color Anodized Finish, Add</i> 5.84		4.82
	08 72 33 00-0075	LF		4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45400CNB) 28.36 <i>For Color Anodized Finish, Add</i> 7.48		4.82
	08 72 33 00-0076			90 Degree, Aluminum Retainer Door Sweeps (08 72 33 00-0068) Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
	08 72 33 00-0077	LF		3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90041CNB) 15.83 <i>For Color Anodized Finish, Add</i> 0.62		4.82
	08 72 33 00-0078	LF		5/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90062CNB) 15.68 <i>For Color Anodized Finish, Add</i> 0.60		4.82
	08 72 33 00-0079	LF		1" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90100CNB) 16.79 <i>For Color Anodized Finish, Add</i> 2.50		4.82
	08 72 33 00-0080	LF		1-3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90137CNB) 17.26 <i>For Color Anodized Finish, Add</i> 3.04		4.82
	08 72 33 00-0081	LF		7/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 315CN) 15.36 <i>For Color Anodized Finish, Add</i> 1.43		4.82
	08 72 33 00-0082	LF		11/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 368CN) 19.80 <i>For Color Anodized Finish, Add</i> 2.03		4.82
	08 72 33 00-0083	LF		15/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 321CN) 16.31 <i>For Color Anodized Finish, Add</i> 1.33		4.82
	08 72 33 00-0084	LF		9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 308AV) 12.15 Note: Includes mill finish. <i>For Color Anodized Finish, Add</i> 1.25		4.82
	08 72 33 00-0085	LF		1" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 307AV) 12.27 Note: Includes mill finish. <i>For Color Anodized Finish, Add</i> 1.31		4.82
	08 72 33 00-0086	LF		1-9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 56AV) 13.61 Note: Includes mill finish. <i>For Color Anodized Finish, Add</i> 1.39		4.82
	08 72 33 00-0087			180 Degree, Aluminum Retainer Door Sweeps (08 72 33 00-0068) Note: The retainer mounts to the door face with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
	08 72 33 00-0088			180 Degree, Aluminum Retainer Door Sweeps (08 72 33 00-0087)		
	08 72 33 00-0089	LF		3/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18041CNB) 13.93 <i>For Color Anodized Finish, Add</i> 1.71		4.82
	08 72 33 00-0090	LF		5/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18061CNB) 14.25 <i>For Color Anodized Finish, Add</i> 1.84		4.82
	08 72 33 00-0091	LF		1" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18100CNB) 16.79 <i>For Color Anodized Finish, Add</i> 2.50		4.82

08 Openings**08 70 Hardware****08 72 Weatherstripping, Thresholds And Seals**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0092			180 Degree, Concealed Fastener, Aluminum Retainer Door Sweeps (08 72 33 00-0087)		
08 72 33 00-0093	LF		3/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29324CNCB).....	16.94	4.82
			<i>For Color Anodized Finish, Add</i>	2.92	
08 72 33 00-0094	LF		5/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29326CNCB).....	17.26	4.82
			<i>For Color Anodized Finish, Add</i>	3.04	
08 72 33 00-0095	LF		1" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 293100CNCB).....	18.60	4.82
			<i>For Color Anodized Finish, Add</i>	3.58	
08 72 33 00-0096			Mortised, Aluminum Retainer Door Sweeps (08 72 33 00-0068)		
			Note: The retainer is mortised into the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish. Excludes mortising.		
08 72 33 00-0097	LF		1/4" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5025ASB)	12.50	4.82
08 72 33 00-0098	LF		13/32" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5041ANB)	12.50	4.82
08 72 33 00-0099	LF		5/8" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5061ANB)	12.66	4.82
08 72 33 00-0100			Aluminum Retainer Door Sweeps With Rain Drip (08 72 33 00-0063)		
08 72 33 00-0101			90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (08 72 33 00-0100)		
			Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish.		
08 72 33 00-0102	LF		1/4" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 3452AV)	12.19	4.82
			<i>For Color Anodized Finish, Add</i>	1.78	
08 72 33 00-0103	LF		1/2" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 345AV)	14.25	4.82
			<i>For Color Anodized Finish, Add</i>	1.84	
08 72 33 00-0104	LF		3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 3452CNCB)	15.80	4.82
			Note: Includes clear anodized finish.		
			<i>For Color Anodized Finish, Add</i>	1.23	
08 72 33 00-0105	LF		7/16" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 345ANB)	16.07	4.82
			<i>For Color Anodized Finish, Add</i>	1.28	
08 72 33 00-0106			Brass/Bronze Retainer Door Sweeps (08 72 33 00-0063)		
08 72 33 00-0107			90 Degree, Brass/Bronze Retainer Door Sweeps (08 72 33 00-0106)		
			Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 72 33 00-0108	LF		7/16" Neoprene Insert, 90 Degree, Brass/Bronze Retainer Door Sweep (Pemko 315BN)	19.17	4.82
08 72 33 00-0109			Oak Retainer Door Sweeps (08 72 33 00-0063)		
08 72 33 00-0110			90 Degree, Oak Retainer Door Sweeps (08 72 33 00-0109)		
			Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 72 33 00-0111	LF		9/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18062WNB)	15.52	4.82
08 72 33 00-0112	LF		15/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18100WNB)	18.02	4.82
08 72 33 00-0113			Door Shoes And Bottoms (08 72 33 00-0001)		
08 72 33 00-0114			Door Shoes (08 72 33 00-0113)		
08 72 33 00-0115			Aluminum Retainer Door Shoes (08 72 33 00-0114)		
08 72 33 00-0116			Bottom Mount, Aluminum Retainer Door Shoes (08 72 33 00-0115)		
08 72 33 00-0117	LF		Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 234AV)	13.46	4.82
			<i>For Color Anodized Finish, Add</i>	1.52	
			<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.68	
08 72 33 00-0118	LF		Vinyl Insert, 1-3/8" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 209AV)	13.93	4.82
			<i>For Color Anodized Finish, Add</i>	1.71	
08 72 33 00-0119	LF		Notched Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 2343AV)	18.53	4.82
			<i>For Color Anodized Finish, Add</i>	1.78	
08 72 33 00-0120			Side Mount, Aluminum Retainer Door Shoes (08 72 33 00-0115)		
08 72 33 00-0121	LF		Vinyl Insert, 1-3/4" Width, Side Mount, Aluminum Retainers Door Shoe (Pemko 318AV)	15.52	4.82
			<i>For Color Anodized Finish, Add</i>	2.35	
			<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.68	
08 72 33 00-0122			L Or U Shaped, Aluminum Retainer Door Shoes (08 72 33 00-0115)		
08 72 33 00-0123	LF		Vinyl Insert, 1-1/4" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 211AV)	14.25	4.82
			<i>For Color Anodized Finish, Add</i>	2.30	
			<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.42	
08 72 33 00-0124	LF		Vinyl Insert, 1-3/8" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 220AV)	15.20	4.82
			<i>For Color Anodized Finish, Add</i>	2.22	
			<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.42	
08 72 33 00-0125	LF		Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 217AV)	15.52	4.82
			<i>For Color Anodized Finish, Add</i>	2.35	
			<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0126 LF Notched Vinyl Insert, 1-5/16" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 2113AV) <i>For Color Anodized Finish, Add</i>	21.97 2.46	4.82
08 72 33 00-0127 LF Notched Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 2173AV) <i>For Color Anodized Finish, Add</i>	22.28 2.53	4.82
08 72 33 00-0128 L Or U Shaped With Rain Drip, Aluminum Retainer Door Shoes (08 72 33 00-0115)		
08 72 33 00-0129 LF Vinyl Insert, 1-1/4" Width, L-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 210AV) <i>For Color Anodized Finish, Add</i> <i>For Thermo-Plastic Elastomer Insert, Add</i>	14.57 2.46 0.42	4.82
08 72 33 00-0130 LF Vinyl Insert, 1-3/8" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 215AV) <i>For Color Anodized Finish, Add</i> <i>For Thermo-Plastic Elastomer Insert, Add</i>	15.52 2.35 0.42	4.82
08 72 33 00-0131 LF Vinyl Insert, 1-3/4" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 216AV) <i>For Color Anodized Finish, Add</i> <i>For Thermo-Plastic Elastomer Insert, Add</i>	15.68 2.41 0.42	4.82
08 72 33 00-0132 Vinyl Door Shoes (08 72 33 00-0114)		
08 72 33 00-0133 LF 1-3/4" Width, L-Shaped, Vinyl Door Shoe (Pemko V80)	17.67	4.82
08 72 33 00-0134 LF 1-3/4" Width, U-Shaped, Vinyl Door Shoe (Pemko 2170DV)	21.28	4.82
08 72 33 00-0135 Door Bottoms (08 72 33 00-0113)		
08 72 33 00-0136 Automatic Door Bottoms (08 72 33 00-0135)		
08 72 33 00-0137 Aluminum Automatic Door Bottoms (08 72 33 00-0136)		
08 72 33 00-0138 LF Sponge Neoprene Insert, 9/16" Width, 1-7/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4131CRL)..... <i>For Color Anodized Finish, Add</i>	30.53 4.18	4.82
08 72 33 00-0139 LF Sponge Neoprene Insert, 31/32" Width, 2-1/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4301CRL)..... <i>For Color Anodized Finish, Add</i>	43.61 6.79	4.82
08 72 33 00-0140 Door Top Protection (08 72 33 00-0001)		
08 72 33 00-0141 LF Aluminum, Door Top Cover For 1-3/8" Wood Doors (Pemko PA343)..... <i>For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add</i>	11.20 0.95	3.86
08 72 33 00-0142 LF Aluminum, Door Top Cover For 1-3/4" Wood Doors (Pemko PA344)..... <i>For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add</i>	11.20 0.95	3.86
08 72 33 00-0143 LF 2-1/2" Aluminum Overhead Rain Drip With Slotted Holes (Pemko 346C)	13.03	3.86
08 72 33 00-0144 EA For 20 Oz Copper Drip Cap For Exterior Door.....	53.19	
08 72 33 00-0145 Perimeter Gasketing Weather-Strip (08 72 33 00-0001)		
Note: Perimeter gasketing is used to seal the gap around the top and the two sides of a door assembly.		
08 72 33 00-0146 Adhesive Backed Perimeter Gasketing Weather-Strip (08 72 33 00-0145)		
08 72 33 00-0147 LF 3/8" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK33) <i>For Intumescent Seal, Add</i>	3.53 1.50	2.41
08 72 33 00-0148 LF 1/2" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK55) <i>For Intumescent Seal, Add</i>	3.57 1.50	2.41
08 72 33 00-0149 LF 1/2" x 1/4", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S88).....	4.10	2.41
08 72 33 00-0150 LF 7/16" x 5/16", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S44)	3.88	2.41
08 72 33 00-0151 LF 5/16" x 1/2", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S77)..... <i>For Intumescent Seal, Add</i>	5.11 1.50	2.41
08 72 33 00-0152 LF 1/2" x 3/8", Silicone Triple Fin, Hospitality, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S773)..... <i>For Intumescent Seal, Add</i>	4.74 1.50	2.41
08 72 33 00-0153 LF 7/16" x 5/16", Intumescent And Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS44)	6.26	2.41
08 72 33 00-0154 LF 1/2" x 1/4", Intumescent And Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS88)	5.79	2.41
08 72 33 00-0155 Kerf-In Perimeter Gasketing Weather-Strip (08 72 33 00-0145)		
08 72 33 00-0156 LF 3/8" x 1/4" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko P50).....	3.15	2.41
08 72 33 00-0157 LF 7/16" x 3/8" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko S52).....	4.70	2.41
08 72 33 00-0158 LF 3/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q103).....	3.52	2.41
08 72 33 00-0159 LF 5/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q102).....	3.48	2.41
08 72 33 00-0160 LF 3/8" Magnetic, Kerf-In Perimeter Gasketing Weather-Strip (Pemko MAG349)	4.54	2.41
08 72 33 00-0161 Cushion/Spring Perimeter Gasketing Weather-Strip (08 72 33 00-0145)		
08 72 33 00-0162 Spring Bronze Perimeter Gasketing Weather-Strip (08 72 33 00-0161)		
08 72 33 00-0163 LF 1-1/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70C).....	7.38	2.41
08 72 33 00-0164 LF 1-1/4" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70D).....	7.38	2.41
08 72 33 00-0165 LF 1-3/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70E).....	7.90	2.41
08 72 33 00-0166 LF 1-1/2" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70F).....	8.00	2.41

08 Openings**08 70 Hardware****08 72 Weatherstripping, Thresholds And Seals**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0167			Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (08 72 33 00-0161)		
08 72 33 00-0168	LF		5/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B73).....	7.10	2.41
08 72 33 00-0169	LF		7/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B74).....	7.90	2.41
08 72 33 00-0170	LF		1-1/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B75)	8.76	2.41
08 72 33 00-0171			Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0145)		
08 72 33 00-0172			Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0171)		
08 72 33 00-0173	LF		1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 297AV).....	6.64	2.41
			<i>For Silicone Insert, Add</i>	0.95	
			<i>For Color Anodized Finish, Add</i>	1.82	
08 72 33 00-0174	LF		1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 316AV).....	6.64	2.41
			<i>For Silicone Insert, Add</i>	0.95	
			<i>For Color Anodized Finish, Add</i>	1.82	
08 72 33 00-0175	LF		1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 303AV).....	6.64	2.41
			<i>For Silicone Insert, Add</i>	0.95	
			<i>For Color Anodized Finish, Add</i>	1.82	
08 72 33 00-0176	LF		3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 305CN).....	11.48	2.41
			<i>For Silicone Insert, Add</i>	0.63	
			<i>For Color Anodized Finish, Add</i>	1.33	
08 72 33 00-0177	LF		3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip With Concealed Fasteners (Pemko 29310CV).....	11.80	2.41
			<i>For Color Anodized Finish, Add</i>	3.49	
			<i>For Silicone Insert, Add</i>	0.95	
08 72 33 00-0178	LF		Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 375CR).....	11.80	2.41
			<i>For Color Anodized Finish, Add</i>	2.44	
08 72 33 00-0179			Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0171)		
08 72 33 00-0180			Standard Jamb, Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0179)		
08 72 33 00-0181	LF		1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 290AV).....	11.24	2.41
			<i>For Silicone Insert, Add</i>	0.95	
08 72 33 00-0182			Head Section, Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0179)		
08 72 33 00-0183	LF		1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Head Section, Heavy Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 2891AV).....	12.50	2.41
08 72 33 00-0184			Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0145)		
08 72 33 00-0185			Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0184)		
08 72 33 00-0186	LF		3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 305BR).....	20.20	2.41
			<i>For Silicone Insert, Add</i>	1.58	
08 72 33 00-0187	LF		Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 375BR).....	33.98	2.41
08 72 33 00-0188			Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0184)		
08 72 33 00-0189			Standard Jamb, Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0188)		
08 72 33 00-0190	LF		1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 290BV).....	29.39	2.41
			<i>For Silicone Insert, Add</i>	0.63	
08 72 33 00-0191			Aluminum Interlock, Perimeter Gasketing Weather-Strip (08 72 33 00-0145)		
08 72 33 00-0192	LF		Side Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 335AR, 336A).....	16.22	4.82
			Note: For weather-stripping latch or hinge side of door. Includes aluminum interlocking devices for door and door frame.		
			<i>For Color Anodized Finish, Add</i>	2.63	
08 72 33 00-0193	LF		Top Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 347A, 68AR).....	16.77	4.82
			Note: For weather-stripping the top of doors. Includes rain drip shield and aluminum interlocking devices for door and door frame.		
			<i>For Color Anodized Finish, Add</i>	2.85	
08 72 33 00-0194			Adjustable Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0145)		
			Note: Seals gaps from 1/16" to 1/4".		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0195 LF Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Stop Gasketing Weather-Strip (Pemko 350CSR)	20.45	2.41
<i>For Color Anodized Finish, Add</i>	3.13	
08 72 33 00-0196 LF Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Jamb Gasketing Weather-Strip (Pemko 350CR)	21.56	2.41
<i>For Color Anodized Finish, Add</i>	3.35	
08 72 43 Thresholds (08 72)		
08 72 43 00-0001 Thresholds (08 72 43)		
Note: Includes material, fasteners, installation, caulk and sealants.		
08 72 43 00-0002 Metal Thresholds (08 72 43 00-0001)		
08 72 43 00-0003 Saddle Thresholds (08 72 43 00-0002)		
08 72 43 00-0004 Aluminum Saddle Thresholds (08 72 43 00-0003)		
Note: Includes mill finish.		
08 72 43 00-0005 3/16" Height, Aluminum Saddle Thresholds (08 72 43 00-0004)		
08 72 43 00-0006 LF 2-1/4" Width, 3/16" Height, Aluminum Saddle Threshold (Pemko 173A)	25.32	7.72
<i>For Color Anodized Finish, Add</i>	2.41	
08 72 43 00-0007 1/4" Height, Aluminum Saddle Thresholds (08 72 43 00-0004)		
08 72 43 00-0008 LF 3" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 151A)	28.01	7.72
<i>For Color Anodized Finish, Add</i>	3.49	
08 72 43 00-0009 LF 4" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 270A)	32.67	9.65
<i>For Color Anodized Finish, Add</i>	5.99	
08 72 43 00-0010 LF 5" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 271A)	35.70	9.65
<i>For Color Anodized Finish, Add</i>	5.80	
08 72 43 00-0011 LF 6" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 272A)	39.33	9.65
<i>For Color Anodized Finish, Add</i>	5.33	
08 72 43 00-0012 LF 7" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 276A)	44.73	9.65
<i>For Color Anodized Finish, Add</i>	5.16	
08 72 43 00-0013 LF 8" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2748A)	53.69	11.58
<i>For Color Anodized Finish, Add</i>	6.19	
08 72 43 00-0014 LF 9" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2749A)	57.34	11.58
<i>For Color Anodized Finish, Add</i>	7.10	
08 72 43 00-0015 LF 10" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2750A)	63.15	11.58
<i>For Color Anodized Finish, Add</i>	8.55	
08 72 43 00-0016 5/16" Height, Aluminum Saddle Thresholds (08 72 43 00-0004)		
08 72 43 00-0017 LF 2-1/2" Width, 5/16" Height, Aluminum Saddle Threshold (Pemko 166A)	27.55	7.72
<i>For Color Anodized Finish, Add</i>	2.89	
08 72 43 00-0018 1/2" Height, Aluminum Saddle Thresholds (08 72 43 00-0004)		
08 72 43 00-0019 LF 3" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 169A)	27.70	7.72
<i>For Color Anodized Finish, Add</i>	4.20	
08 72 43 00-0020 LF 4" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 170A)	33.94	9.65
<i>For Color Anodized Finish, Add</i>	6.88	
08 72 43 00-0021 LF 5" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 171A)	37.03	9.65
<i>For Color Anodized Finish, Add</i>	6.46	
08 72 43 00-0022 LF 6" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 172A)	39.65	9.65
<i>For Color Anodized Finish, Add</i>	5.44	
08 72 43 00-0023 LF 7" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 176A)	44.73	9.65
<i>For Color Anodized Finish, Add</i>	5.16	
08 72 43 00-0024 LF 8" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2548A)	55.59	11.58
<i>For Color Anodized Finish, Add</i>	9.32	
08 72 43 00-0025 LF 9" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2549A)	58.92	11.58
<i>For Color Anodized Finish, Add</i>	11.99	
08 72 43 00-0026 LF 10" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2550A)	62.25	11.58
<i>For Color Anodized Finish, Add</i>	13.32	
08 72 43 00-0027 Brass/Bronze Saddle Thresholds (08 72 43 00-0003)		
08 72 43 00-0028 3/16" Height, Brass/Bronze Saddle Thresholds (08 72 43 00-0027)		
08 72 43 00-0029 LF 2-1/4" Width, 3/16" Height, Brass/Bronze Saddle Threshold (Pemko 173B)	61.13	7.72
08 72 43 00-0030 1/4" Height, Brass/Bronze Saddle Thresholds (08 72 43 00-0027)		
08 72 43 00-0031 LF 3" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 151B)	93.11	7.72
08 72 43 00-0032 LF 4" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 270B)	112.69	9.65
08 72 43 00-0033 LF 5" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 271B)	134.83	9.65
08 72 43 00-0034 LF 6" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 272B)	156.36	9.65
08 72 43 00-0035 LF 7" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 276B)	180.97	9.65
08 72 43 00-0036 LF 8" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 274X4B)	231.94	11.58
08 72 43 00-0037 1/2" Height, Brass/Bronze Saddle Thresholds (08 72 43 00-0027)		

08 Openings**08 70 Hardware****08 72 Weatherstripping, Thresholds And Seals**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 72 43 00-0038	LF	4" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 170B).....	122.53	9.65
08 72 43 00-0039	LF	5" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 171B).....	147.13	9.65
08 72 43 00-0040	LF	6" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 172B).....	171.74	9.65
08 72 43 00-0041	LF	7" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 176B).....	202.49	9.65
08 72 43 00-0042	LF	8" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 254X4B).....	286.28	11.58
08 72 43 00-0043	LF	10" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 255X5B).....	272.17	11.58
08 72 43 00-0044		Stainless Steel Saddle Thresholds (08 72 43 00-0003)		
08 72 43 00-0045		1/2" Height, Stainless Steel Saddle Thresholds (08 72 43 00-0044)		
08 72 43 00-0046	LF	4" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 175SS).....	104.08	9.65
08 72 43 00-0047	LF	5" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 154SS).....	110.23	9.65
08 72 43 00-0048		Half Saddle Thresholds (08 72 43 00-0002)		
08 72 43 00-0049		Aluminum Half Saddle Thresholds (08 72 43 00-0048) Note: Includes mill finish.		
08 72 43 00-0050		3/4" Height, Aluminum Half Saddle Thresholds (08 72 43 00-0049)		
08 72 43 00-0051	LF	5" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1875A).....	40.02	9.65
		<i>For Color Anodized Finish, Add</i>	6.36	
08 72 43 00-0052	LF	7" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1877A).....	51.55	9.65
		<i>For Color Anodized Finish, Add</i>	2.74	
08 72 43 00-0053		Offset Saddle Thresholds (08 72 43 00-0002)		
08 72 43 00-0054		Aluminum Offset Saddle Thresholds (08 72 43 00-0053) Note: Includes mill finish.		
08 72 43 00-0055		1/2" Height, Aluminum Offset Saddle Thresholds (08 72 43 00-0054)		
08 72 43 00-0056	LF	5-1/2" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 158A).....	40.13	9.65
		<i>For Color Anodized Finish, Add</i>	8.01	
08 72 43 00-0057	LF	7" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 2727A).....	44.25	9.65
		<i>For Color Anodized Finish, Add</i>	7.05	
08 72 43 00-0058		3/4" Height, Aluminum Offset Saddle Thresholds (08 72 43 00-0054)		
08 72 43 00-0059	LF	5-1/2" Width, 3/4" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 157A).....	40.13	9.65
		<i>For Color Anodized Finish, Add</i>	8.01	
08 72 43 00-0060		1" Height, Aluminum Offset Saddle Thresholds (08 72 43 00-0054)		
08 72 43 00-0061	LF	7" Width, 1" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 182A).....	45.84	9.65
		<i>For Color Anodized Finish, Add</i>	7.61	
08 72 43 00-0062		Modular Ramp Thresholds (08 72 43 00-0001) Note: Includes mill finish.		
08 72 43 00-0063		Flush, Aluminum Modular Ramp Thresholds (08 72 43 00-0062)		
08 72 43 00-0064	LF	6-1/8" Length, 1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.5FA).....	42.27	9.65
		<i>For Non-Slip Surfacing, Add</i>	68.94	
08 72 43 00-0065	LF	9-1/4" Length, 3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.75FA).....	52.69	10.62
		<i>For Non-Slip Surfacing, Add</i>	88.12	
08 72 43 00-0066	LF	12-3/8" Length, 1" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1FA).....	66.91	12.06
		<i>For Non-Slip Surfacing, Add</i>	119.84	
08 72 43 00-0067	LF	15-1/2" Length, 1-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.25FA).....	84.92	12.54
		<i>For Non-Slip Surfacing, Add</i>	161.57	
08 72 43 00-0068	LF	18-5/8" Length, 1-1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.5FA).....	98.78	13.51
		<i>For Non-Slip Surfacing, Add</i>	215.31	
08 72 43 00-0069	LF	21-3/4" Length, 1-3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.75FA).....	122.27	14.96
		<i>For Non-Slip Surfacing, Add</i>	240.14	
08 72 43 00-0070	LF	24-7/8" Length, 2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2FA).....	136.36	16.39
		<i>For Non-Slip Surfacing, Add</i>	269.26	
08 72 43 00-0071	LF	28" Length, 2-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2.25FA).....	144.63	17.36
		<i>For Non-Slip Surfacing, Add</i>	274.75	
08 72 43 00-0072		3-1/2" Top Plate, Offset, Aluminum Modular Ramp Thresholds (08 72 43 00-0062)		
08 72 43 00-0073	LF	12-3/4" Length, 1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSSA).....	71.30	12.06
		<i>For Non-Slip Surfacing, Add</i>	127.41	
08 72 43 00-0074	LF	15-7/8" Length, 3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSSA).....	83.61	12.54
		<i>For Non-Slip Surfacing, Add</i>	158.03	
08 72 43 00-0075	LF	18" Length, 1" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSSA).....	104.51	14.48
		<i>For Non-Slip Surfacing, Add</i>	196.48	
08 72 43 00-0076	LF	22-1/8" Length, 1-1/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSSA).....	122.73	15.43
		<i>For Non-Slip Surfacing, Add</i>	238.84	
08 72 43 00-0077	LF	25-1/4" Length, 1-1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSSA).....	140.89	16.39
		<i>For Non-Slip Surfacing, Add</i>	281.03	
08 72 43 00-0078	LF	28-3/8" Length, 1-3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSSA).....	154.01	17.36
		<i>For Non-Slip Surfacing, Add</i>	310.13	



Openings	08	08
Hardware	08 70	
Weatherstripping, Thresholds And Seals	08 72	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0079 LF 31-1/2" Length, 2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSSA) <i>For Non-Slip Surfacing, Add</i>	188.53 394.86	18.33
08 72 43 00-0080 7" Top Plate, Offset, Aluminum Modular Ramp Thresholds (08 72 43 00-0062)		
08 72 43 00-0081 LF 16-1/4" Length, 1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSA) <i>For Non-Slip Surfacing, Add</i>	82.44 157.89	13.03
08 72 43 00-0082 LF 19-3/8" Length, 3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSA) <i>For Non-Slip Surfacing, Add</i>	96.67 189.64	14.48
08 72 43 00-0083 LF 22-1/2" Length, 1" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSA) <i>For Non-Slip Surfacing, Add</i>	115.63 228.85	15.43
08 72 43 00-0084 LF 25-5/8" Length, 1-1/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSA) <i>For Non-Slip Surfacing, Add</i>	129.50 261.09	16.39
08 72 43 00-0085 LF 28-3/4" Length, 1-1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSA) <i>For Non-Slip Surfacing, Add</i>	152.02 304.95	17.36
08 72 43 00-0086 LF 31-7/8" Length, 1-3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSA) <i>For Non-Slip Surfacing, Add</i>	165.14 334.05	18.33
08 72 43 00-0087 LF 35" Length, 2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSA) <i>For Non-Slip Surfacing, Add</i>	190.46 379.68	19.29
08 72 43 00-0088 Accessories For Aluminum Modular Ramp Thresholds (08 72 43 00-0062)		
08 72 43 00-0089 Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds (08 72 43 00-0089)		
08 72 43 00-0090 PR Up To 1" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds <i>For Non-Slip Surfacing, Add</i>	194.59 20.46	12.06
08 72 43 00-0091 PR >1" To 1-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds <i>For Non-Slip Surfacing, Add</i>	298.99 32.99	12.06
08 72 43 00-0092 PR >1-1/4" To 2-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds <i>For Non-Slip Surfacing, Add</i>	591.46 66.92	16.88
08 72 43 00-0093 Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds (08 72 43 00-0089)		
08 72 43 00-0094 PR Up To 1/2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds <i>For Non-Slip Surfacing, Add</i>	194.59 20.46	12.06
08 72 43 00-0095 PR >1/2" To 1" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds <i>For Non-Slip Surfacing, Add</i>	298.99 32.99	12.06
08 72 43 00-0096 PR >1" To 2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds <i>For Non-Slip Surfacing, Add</i>	591.46 66.92	16.88
08 72 43 00-0097 Latching Panic Exit Saddle Thresholds (08 72 43 00-0001) Note: Includes vinyl or pile seal.		
08 72 43 00-0098 Aluminum, Latching Panic Exit Saddle Thresholds (08 72 43 00-0097) Note: Includes mill finish.		
08 72 43 00-0099 Aluminum, Latching Panic Exit Saddle Thresholds (08 72 43 00-0098)		
08 72 43 00-0100 7/8" Height, Aluminum, Latching Panic Exit Saddle Thresholds (08 72 43 00-0099)		
08 72 43 00-0101 LF 4" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	48.37 8.49 0.63	9.65
08 72 43 00-0102 LF 5" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 177AP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	40.29 8.09 0.63	9.65
08 72 43 00-0103 LF 6" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	53.45 10.27 0.63	9.65
08 72 43 00-0104 LF 7" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	55.67 11.05 0.63	9.65
08 72 43 00-0105 1" Height, Aluminum, Latching Panic Exit Saddle Thresholds (08 72 43 00-0099)		
08 72 43 00-0106 LF 3-5/8" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 185AP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	38.38 7.14 0.63	9.65
08 72 43 00-0107 LF 5" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 181AP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	40.60 8.25 0.63	9.65
08 72 43 00-0108 Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds (08 72 43 00-0098)		
08 72 43 00-0109 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds (08 72 43 00-0108)		
08 72 43 00-0110 LF 4-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AFGP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	42.98 7.55 0.63	9.65

08 Openings**08 70 Hardware****08 72 Weatherstripping, Thresholds And Seals**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0111	LF		5-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 253X226AFGP)	45.04	9.65
			<i>For Color Anodized Finish, Add</i>	8.37	
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0112	LF		6-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AFGP)	48.06	9.65
			<i>For Color Anodized Finish, Add</i>	8.38	
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0113	LF		7-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AFGP)	51.47	9.65
			<i>For Color Anodized Finish, Add</i>	9.58	
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0114			Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0097)		
08 72 43 00-0115			Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0114)		
08 72 43 00-0116			7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0115)		
08 72 43 00-0117	LF		4" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BV)	172.97	9.65
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0118	LF		5" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 177BV)	160.67	9.65
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0119	LF		6" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BV)	229.56	9.65
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0120	LF		7" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BV)	205.69	9.65
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0121			1" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0115)		
08 72 43 00-0122	LF		5" Width, 1" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 181BV)	170.26	9.65
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0123			Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0114)		
08 72 43 00-0124			7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0123)		
08 72 43 00-0125	LF		4-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BFGV)	177.08	10.62
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0126	LF		5-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 253X226BFGV)	185.57	10.62
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0127	LF		6-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BFGV)	231.46	10.62
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0128	LF		7-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BFGV)	211.32	11.10
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0129			Carpet Separator Thresholds (08 72 43 00-0001)		
08 72 43 00-0130			Aluminum, Carpet Separator Thresholds (08 72 43 00-0129) Note: Includes mill finish.		
08 72 43 00-0131			3/8" Height, Aluminum, Carpet Separator Thresholds (08 72 43 00-0130)		
08 72 43 00-0132	LF		2-1/2" Width, 3/8" Height, Aluminum, Carpet Separator Threshold (Pemko 174C)	28.96	7.72
			<i>For Color Anodized Finish, Add</i>	3.87	
08 72 43 00-0133			7/16" Height, Aluminum, Carpet Separator Thresholds (08 72 43 00-0130)		
08 72 43 00-0134	LF		1-3/4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 236A)	23.54	6.76
			<i>For Color Anodized Finish, Add</i>	2.33	
08 72 43 00-0135	LF		4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2364A)	36.00	7.72
			<i>For Color Anodized Finish, Add</i>	4.76	
08 72 43 00-0136	LF		6" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2366A)	42.66	7.72
			<i>For Color Anodized Finish, Add</i>	7.42	
08 72 43 00-0137			1/2" Height, Aluminum, Carpet Separator Thresholds (08 72 43 00-0130)		
08 72 43 00-0138	LF		1-3/8" Width, 1/2" Height, Aluminum, Carpet Separator Threshold (Pemko 1951A)	21.48	6.76
			<i>For Color Anodized Finish, Add</i>	1.15	
08 72 43 00-0139			3/4" Height, Aluminum, Carpet Separator Thresholds (08 72 43 00-0130)		
08 72 43 00-0140	LF		1-3/4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 246A)	23.54	6.76
			<i>For Color Anodized Finish, Add</i>	2.00	
08 72 43 00-0141	LF		3" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 230A)	36.48	9.65
			<i>For Color Anodized Finish, Add</i>	4.95	
08 72 43 00-0142	LF		4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 2464A)	38.38	9.65
			<i>For Color Anodized Finish, Add</i>	4.28	



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Hardware	08 70	
Weatherstripping, Thresholds And Seals	08 72	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0143 Brass/Bronze, Carpet Separator Thresholds (08 72 43 00-0129)		
08 72 43 00-0144 3/8" Height, Brass/Bronze, Carpet Separator Thresholds (08 72 43 00-0143)		
08 72 43 00-0145 LF 2-1/2" Width, 3/8" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 174B).....	94.46	7.72
08 72 43 00-0146 7/16" Height, Brass/Bronze, Carpet Separator Thresholds (08 72 43 00-0143)		
08 72 43 00-0147 LF 1-3/4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 236B).....	123.45	6.76
08 72 43 00-0148 LF 4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 2364B).....	113.30	9.65
08 72 43 00-0149 Vinyl Transition Thresholds (08 72 43 00-0001)		
Note: Serves as a transition where carpet meets carpet, tile, VCT or concrete beneath a door.		
08 72 43 00-0150 Carpet To Carpet, Vinyl Transition Thresholds (08 72 43 00-0149)		
Note: Serves as a transition where carpet meets carpet beneath a door.		
08 72 43 00-0151 LF 2-3/4" Width, 23/32" Height, Carpet To Carpet, Vinyl Transition Threshold (Pemko V232BL).....	34.78	7.72
08 72 43 00-0152 Carpet To Tile, Vinyl Transition Thresholds (08 72 43 00-0149)		
Note: Serves as a transition where carpet meets tile beneath a door.		
08 72 43 00-0153 LF 2-3/4" Width, 23/32" Height, Carpet To Tile, Vinyl Transition Threshold (Pemko V2325BL).....	34.78	7.72
08 72 43 00-0154 Carpet To Concrete, Vinyl Transition Thresholds (08 72 43 00-0149)		
Note: Serves as a transition where carpet meets concrete beneath a door.		
08 72 43 00-0155 LF 3-1/2" Width, 23/32" Height, Carpet To Concrete, Vinyl Transition Threshold (Pemko V2320BL).....	37.29	9.65
08 72 43 00-0156 Carpet To VCT Tile, Vinyl Transition Thresholds (08 72 43 00-0149)		
Note: Serves as a transition where carpet meets VCT Tile beneath a door.		
08 72 43 00-0157 LF 3-7/16" Width, 23/32" Height, Carpet To VCT Tile, Vinyl Transition Threshold (Pemko V2322BL).....	39.86	9.65
08 72 43 00-0158 Residential Thresholds (08 72 43 00-0001)		
08 72 43 00-0159 Wood Residential Thresholds (08 72 43 00-0158)		
08 72 43 00-0160 LF 1-1/4" Width, 1/4" Height, Oak Residential Threshold (Pemko 2219W).....	14.97	4.82
08 72 43 00-0161 LF 1-3/4" Width, 5/16" Height, Oak Residential Threshold (Pemko 2175W).....	15.50	4.82
08 72 43 00-0162 LF 3" Width, 3/8" Height, Oak Residential Threshold (Pemko 2300W).....	20.91	5.14
08 72 43 00-0163 LF 3-1/2" Width, 1/2" Height, Oak Residential Threshold (Pemko 2350W).....	21.24	5.33
08 72 43 00-0164 LF 5" Width, 1/2" Height, Oak Residential Threshold (Pemko 2500W).....	32.20	5.48
08 72 43 00-0165 Vinyl Top, Wood Residential Thresholds (08 72 43 00-0158)		
08 72 43 00-0166 LF 1-5/8" Width, 15/16" Height, Vinyl Top, Wood Residential Threshold (Pemko 208OAK).....	17.87	4.82
08 72 43 00-0167 LF 3-1/2" Width, 1-1/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 203OAK).....	21.71	5.33
08 72 43 00-0168 LF 3-5/8" Width, 1-3/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 204OAK).....	40.27	5.33
08 72 43 00-0169 Vinyl Top, Aluminum Residential Thresholds (08 72 43 00-0158)		
08 72 43 00-0170 LF 1-3/8" Width, 1/2" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 208AV).....	17.93	4.82
For Color Anodized Finish, Add	2.35	
08 72 43 00-0171 LF 3-1/4" Width, 3/4" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 206AV).....	20.92	5.33
For Color Anodized Finish, Add	3.04	
08 72 43 00-0172 LF 3-1/2" Width, 1-1/8" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 207AV).....	22.19	5.33
For Color Anodized Finish, Add	3.55	
08 72 43 00-0173 Interlocking Residential Thresholds (08 72 43 00-0158)		
08 72 43 00-0174 Aluminum Interlocking Residential Thresholds (08 72 43 00-0173)		
08 72 43 00-0175 1/2" Height, Aluminum Interlocking Residential Thresholds (08 72 43 00-0174)		
08 72 43 00-0176 LF 4-1/4" Width, 1/2" Height, Aluminum Interlocking Residential Threshold (Pemko 114A).....	39.55	5.48
For Color Anodized Finish, Add	7.76	
08 72 43 00-0177 5/8" Height, Aluminum Interlocking Residential Thresholds (08 72 43 00-0174)		
08 72 43 00-0178 LF 3" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 121A).....	26.31	5.14
For Color Anodized Finish, Add	4.04	
08 72 43 00-0179 LF 3-1/2" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 110A).....	23.94	5.33
For Color Anodized Finish, Add	5.32	
08 72 43 00-0180 LF 4-1/4" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 115A).....	27.81	5.48
For Color Anodized Finish, Add	4.23	
08 72 43 00-0181 7/8" Height, Aluminum Interlocking Residential Thresholds (08 72 43 00-0174)		
08 72 43 00-0182 LF 4-1/2" Width, 7/8" Height, Aluminum Interlocking Residential Threshold (Pemko 120A).....	30.35	5.48
For Color Anodized Finish, Add	8.33	

08 Openings**08 70 Hardware****08 72 Weatherstripping, Thresholds And Seals**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0183			Brass/Bronze Interlocking Residential Thresholds (08 72 43 00-0173)		
08 72 43 00-0184			1/2" Height, Brass/Bronze Interlocking Residential Thresholds (08 72 43 00-0183)		
08 72 43 00-0185	LF		4-1/4" Width, 1/2" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 114B).....	127.50	5.48
08 72 43 00-0186			5/8" Height, Brass/Bronze Interlocking Residential Thresholds (08 72 43 00-0183)		
08 72 43 00-0187	LF		3-1/2" Width, 5/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 110B).....	96.35	5.33
08 72 43 00-0188			7/8" Height, Brass/Bronze Interlocking Residential Thresholds (08 72 43 00-0183)		
08 72 43 00-0189	LF		4-1/2" Width, 7/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 120B).....	130.57	5.48
08 72 43 00-0190	LF		5-3/4" Width, 7/8" Height, 3/4" Offset, Brass/Bronze Interlocking Residential Threshold (Pemko 123B).....	186.31	5.63
08 72 43 00-0191			Residential Door Sills (08 72 43 00-0001)		
08 72 43 00-0192			Fixed Aluminum Residential Door Sills (08 72 43 00-0191)		
08 72 43 00-0193	LF		4-9/16" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 84514A).....	22.74	5.48
			<i>For Color Anodized Finish, Add</i>	4.52	
08 72 43 00-0194	LF		5-5/8" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 85514A).....	24.36	5.63
			<i>For Color Anodized Finish, Add</i>	4.11	
08 72 43 00-0195			Adjustable Aluminum Top, Aluminum Residential Door Sills (08 72 43 00-0191)		
08 72 43 00-0196	LF		4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518A).....	32.43	5.48
			<i>For Color Anodized Finish, Add</i>	6.56	
08 72 43 00-0197	LF		5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518A).....	33.27	5.63
			<i>For Color Anodized Finish, Add</i>	6.72	
08 72 43 00-0198			Adjustable Wood Top, Aluminum Residential Door Sills (08 72 43 00-0191)		
08 72 43 00-0199	LF		3-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 93518AW).....	32.79	5.33
			<i>For Color Anodized Finish, Add</i>	6.82	
08 72 43 00-0200	LF		4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518AW).....	33.19	5.48
			<i>For Color Anodized Finish, Add</i>	4.87	
08 72 43 00-0201	LF		5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518AW).....	34.62	5.63
			<i>For Color Anodized Finish, Add</i>	5.14	
08 72 43 00-0202			Extenders For Aluminum Residential Door Sills (08 72 43 00-0191)		
08 72 43 00-0203	LF		3/4" Extender For Aluminum Residential Door Sills (Pemko EXT3/4A).....	13.61	4.82
			<i>For Color Anodized Finish, Add</i>	2.77	
08 72 43 00-0204	LF		2" Extender For Aluminum Residential Door Sills (Pemko EXT2A).....	14.88	4.82
			<i>For Color Anodized Finish, Add</i>	2.62	
08 72 43 00-0205	LF		3" Extender For Aluminum Residential Door Sills (Pemko EXT3A).....	16.15	4.82
			<i>For Color Anodized Finish, Add</i>	1.63	
08 72 43 00-0206			Stone Thresholds (08 72 43 00-0001)		
08 72 43 00-0207			Marble Thresholds (08 72 43 00-0206)		
08 72 43 00-0208	LF		2" Width, 5/8" Height, Plain Marble Threshold.....	16.97	6.59
08 72 43 00-0209	LF		4" Width, 5/8" Height, Plain Marble Threshold.....	18.66	6.59
08 72 43 00-0210	LF		6" Width, 5/8" Height, Plain Marble Threshold.....	20.92	6.59
08 72 43 00-0211	LF		4" Width, 7/8" Height, Plain Marble Threshold.....	26.01	6.59
08 72 43 00-0212	LF		6" Width, 7/8" Height, Plain Marble Threshold.....	31.97	6.59
08 72 43 00-0213			Corian Thresholds (08 72 43 00-0206)		
08 72 43 00-0214	LF		Up To 5-3/4" Width, Corian Threshold.....	55.47	8.01
08 75			Window Hardware (08 70)		
08 75 13			Automatic Window Equipment (08 75)		
08 75 13 00-0001			Window Opener Electric, With 1/2 HP Motor (08 75 13)		
08 75 13 00-0002	EA		Gym Window Electronic Opener.....	1,325.12	205.54
08 78			Special Function Hardware (08 70)		
08 78 00 00-0001			Pad Locks (08 78)		
08 78 00 00-0002	EA		Combination Padlock.....	17.83	4.83
08 78 00 00-0003	EA		Resettable Combination Padlock With Control Key, 4 Digit, 2" Wide Case, 1" Shackle Height.....	38.78	4.83



Openings	08	08
Hardware	08 70	
Special Function Hardware	08 78	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 78 00 00-0004	EA		Resettable Combination Padlock, 4 Digit, 2" Wide Case, 1" Shackle Height.....	35.94	4.83
08 78 00 00-0005	EA		Resettable Combination Padlock, 4 Digit, 2" Wide Case, 2-1/4" Shackle Height.....	39.46	4.83
08 78 00 00-0006	EA		Commercial U-Bar Lock.....	47.60	4.83
08 78 00 00-0007	EA		Weather Tough Padlocks Keyed Alike.....	40.17	4.83
08 78 00 00-0008	EA		High Security Padlocks.....	36.41	4.83
08 78 00 00-0009	EA		Standard Key, Medium Security Padlock Keyed Alike.....	19.90	4.83

08 79 Hardware Accessories (08 79)

08 79 13 Key Storage Equipment (08 79)

08 79 13 00-0001 Key Cabinet (08 79 13)

08 79 13 00-0002 Key Cabinets (08 79 13 00-0001)

08 79 13 00-0003	EA	Wall Mounted Key Cabinet, Up To 30 Keys.....	315.22	17.36
08 79 13 00-0004	EA	Wall Mounted Key Cabinet, Up To 60 Keys.....	424.13	19.29
08 79 13 00-0005	EA	Wall Mounted Key Cabinet, Up To 240 Keys.....	946.22	28.94
08 79 13 00-0006	EA	Wall Mounted Key Cabinet, Up To 1,200 Keys.....	2,424.77	38.59
08 79 13 00-0007	EA	Drawer Type Key Cabinet, Up To 600 Keys.....	2,581.32	25.56
08 79 13 00-0008	EA	Drawer Type Key Cabinet, Up To 2,400 Keys.....	5,816.33	19.29
08 79 13 00-0009	EA	Tray Type Key Cabinet, Up To 20 Keys.....	132.81	7.72
08 79 13 00-0010	EA	Tray Type Key Cabinet, Up To 50 Keys.....	188.84	9.65

08 79 13 00-0011 Key Boxes Wall Mounted On Any Type Wall, With Anchor (08 79 13 00-0001)

08 79 13 00-0012	EA	Key Box, Metal, 30 Key Hooks, Key Lock Door 3" Deep x 10" Wide x 12" High.....	182.85	14.48
08 79 13 00-0013	EA	Key Box, Metal, 60 Key Hooks, Key Lock Door, 3" Deep x 10" Wide x 12" High.....	206.33	14.48
08 79 13 00-0014	EA	Relocate Key Box, Metal, 3" Deep x 10" Wide x 12" High, Including Storage And Cleaning.....	49.21	
08 79 13 00-0015	EA	Relocate Heavy Duty Key Box, With Combo Lock Door, Including Storage And Cleaning.....	110.97	

08 80 Glazing (08)

Note: Includes neoprene setting blocks and spacers and elastomeric sealants for all glazing tasks. Demolition for all glazing includes removal of glazing (broken or whole), sealant compound and/or astragal, taking down and resetting mullion where necessary.

08 81 Glass Glazing (08 80)

08 81 23 Exterior Glass Glazing (08 81)

08 81 23 13 Factory Installed Glass Glazing (08 81 23)

08 81 23 13-0001 Clear Float Factory Installed Glass (08 81 23 13)

08 81 23 13-0002 Clear Float Factory Installed Glass (08 81 23 13-0001)

Note: Type I, Class I, Quality Q3.

08 81 23 13-0003	SF	1/8" Thick, Clear Float Factory Installed Glass.....	3.17	
		<i>For >50 To 200, Deduct</i>	-0.10	
		<i>For >200 To 400, Deduct</i>	-0.19	
		<i>For >400, Deduct</i>	-0.29	
		<i>For Tinted Glass, Add</i>	0.79	
		<i>For Reflective Coated Glass, Add</i>	1.43	
		<i>For Low-E Coated Glass, Add</i>	0.79	
08 81 23 13-0004	SF	3/16" Thick, Clear Float Factory Installed Glass.....	3.40	
		<i>For >50 To 200, Deduct</i>	-0.10	
		<i>For >200 To 400, Deduct</i>	-0.20	
		<i>For >400, Deduct</i>	-0.31	
		<i>For Tinted Glass, Add</i>	0.85	
		<i>For Reflective Coated Glass, Add</i>	1.53	
		<i>For Low-E Coated Glass, Add</i>	0.85	
08 81 23 13-0005	SF	1/4" Thick, Clear Float Factory Installed Glass.....	4.12	
		<i>For >50 To 200, Deduct</i>	-0.12	
		<i>For >200 To 400, Deduct</i>	-0.25	
		<i>For >400, Deduct</i>	-0.37	
		<i>For Tinted Glass, Add</i>	1.03	
		<i>For Reflective Coated Glass, Add</i>	1.85	
		<i>For Low-E Coated Glass, Add</i>	1.03	
08 81 23 13-0006	SF	5/16" Thick, Clear Float Factory Installed Glass.....	6.85	
		<i>For >50 To 200, Deduct</i>	-0.21	
		<i>For >200 To 400, Deduct</i>	-0.41	
		<i>For >400, Deduct</i>	-0.62	
		<i>For Tinted Glass, Add</i>	1.71	
		<i>For Reflective Coated Glass, Add</i>	3.08	
		<i>For Low-E Coated Glass, Add</i>	1.71	
08 81 23 13-0007	SF	3/8" Thick, Clear Float Factory Installed Glass.....	9.96	
		<i>For >50 To 200, Deduct</i>	-0.30	
		<i>For >200 To 400, Deduct</i>	-0.60	
		<i>For >400, Deduct</i>	-0.90	
		<i>For Tinted Glass, Add</i>	2.49	
		<i>For Reflective Coated Glass, Add</i>	4.48	
		<i>For Low-E Coated Glass, Add</i>	2.49	

08 Openings**08 80 Glazing****08 81 Glass Glazing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0008	SF		1/2" Thick, Clear Float Factory Installed Glass	10.95	
			<i>For >50 To 200, Deduct</i>	-0.33	
			<i>For >200 To 400, Deduct</i>	-0.66	
			<i>For >400, Deduct</i>	-0.99	
			<i>For Tinted Glass, Add</i>	2.74	
			<i>For Reflective Coated Glass, Add</i>	4.93	
			<i>For Low-E Coated Glass, Add</i>	2.74	
08 81 23 13-0009	SF		5/8" Thick, Clear Float Factory Installed Glass	13.09	
			<i>For >50 To 200, Deduct</i>	-0.39	
			<i>For >200 To 400, Deduct</i>	-0.79	
			<i>For >400, Deduct</i>	-1.18	
			<i>For Tinted Glass, Add</i>	3.27	
			<i>For Reflective Coated Glass, Add</i>	5.89	
			<i>For Low-E Coated Glass, Add</i>	3.27	
08 81 23 13-0010	SF		3/4" Thick, Clear Float Factory Installed Glass	16.17	
			<i>For >50 To 200, Deduct</i>	-0.49	
			<i>For >200 To 400, Deduct</i>	-0.97	
			<i>For >400, Deduct</i>	-1.46	
			<i>For Tinted Glass, Add</i>	4.04	
			<i>For Reflective Coated Glass, Add</i>	7.28	
			<i>For Low-E Coated Glass, Add</i>	4.04	
08 81 23 13-0011			Heat Treated Factory Installed Glass (08 81 23 13)		
08 81 23 13-0012			Tempered, Clear Float Factory Installed Glass (08 81 23 13-0011)		
			Note: Type I, Class I, Quality Q3.		
08 81 23 13-0013	SF		1/8" Thick, Tempered, Clear Float Factory Installed Glass	4.59	
			<i>For >50 To 200, Deduct</i>	-0.14	
			<i>For >200 To 400, Deduct</i>	-0.28	
			<i>For >400, Deduct</i>	-0.41	
			<i>For Tinted Glass, Add</i>	1.15	
			<i>For Reflective Coated Glass, Add</i>	2.07	
			<i>For Low-E Coated Glass, Add</i>	1.15	
08 81 23 13-0014	SF		3/16" Thick, Tempered, Clear Float Factory Installed Glass	4.91	
			<i>For >50 To 200, Deduct</i>	-0.15	
			<i>For >200 To 400, Deduct</i>	-0.29	
			<i>For >400, Deduct</i>	-0.44	
			<i>For Tinted Glass, Add</i>	1.23	
			<i>For Reflective Coated Glass, Add</i>	2.21	
			<i>For Low-E Coated Glass, Add</i>	1.23	
08 81 23 13-0015	SF		1/4" Thick, Tempered, Clear Float Factory Installed Glass	5.97	
			<i>For >50 To 200, Deduct</i>	-0.18	
			<i>For >200 To 400, Deduct</i>	-0.36	
			<i>For >400, Deduct</i>	-0.54	
			<i>For Tinted Glass, Add</i>	1.49	
			<i>For Reflective Coated Glass, Add</i>	2.69	
			<i>For Low-E Coated Glass, Add</i>	1.49	
08 81 23 13-0016	SF		5/16" Thick, Tempered, Clear Float Factory Installed Glass	9.94	
			<i>For >50 To 200, Deduct</i>	-0.30	
			<i>For >200 To 400, Deduct</i>	-0.60	
			<i>For >400, Deduct</i>	-0.89	
			<i>For Tinted Glass, Add</i>	2.49	
			<i>For Reflective Coated Glass, Add</i>	4.47	
			<i>For Low-E Coated Glass, Add</i>	2.49	
08 81 23 13-0017	SF		3/8" Thick, Tempered, Clear Float Factory Installed Glass	14.45	
			<i>For >50 To 200, Deduct</i>	-0.43	
			<i>For >200 To 400, Deduct</i>	-0.87	
			<i>For >400, Deduct</i>	-1.30	
			<i>For Tinted Glass, Add</i>	3.61	
			<i>For Reflective Coated Glass, Add</i>	6.50	
			<i>For Low-E Coated Glass, Add</i>	3.61	
08 81 23 13-0018	SF		1/2" Thick, Tempered, Clear Float Factory Installed Glass	15.87	
			<i>For >50 To 200, Deduct</i>	-0.48	
			<i>For >200 To 400, Deduct</i>	-0.95	
			<i>For >400, Deduct</i>	-1.43	
			<i>For Tinted Glass, Add</i>	3.97	
			<i>For Reflective Coated Glass, Add</i>	7.14	
			<i>For Low-E Coated Glass, Add</i>	3.97	
08 81 23 13-0019	SF		5/8" Thick, Tempered, Clear Float Factory Installed Glass	18.99	
			<i>For >50 To 200, Deduct</i>	-0.57	
			<i>For >200 To 400, Deduct</i>	-1.14	
			<i>For >400, Deduct</i>	-1.71	
			<i>For Tinted Glass, Add</i>	4.75	
			<i>For Reflective Coated Glass, Add</i>	8.55	
			<i>For Low-E Coated Glass, Add</i>	4.75	
08 81 23 13-0020	SF		3/4" Thick, Tempered, Clear Float Factory Installed Glass	23.46	
			<i>For >50 To 200, Deduct</i>	-0.70	
			<i>For >200 To 400, Deduct</i>	-1.41	
			<i>For >400, Deduct</i>	-2.11	
			<i>For Tinted Glass, Add</i>	5.87	
			<i>For Reflective Coated Glass, Add</i>	10.56	
			<i>For Low-E Coated Glass, Add</i>	5.87	

08 81 23 13-0021 Patterned Factory Installed Glass (08 81 23 13)



Openings	08	08
Glazing	08 80	
Glass Glazing	08 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0022 Rough Obscure, Factory Installed Glass (08 81 23 13-0021) Note: Class II, Form 3, Finish F1.		
08 81 23 13-0023 SF 1/4" Thick, Rough Obscure, Factory Installed Glass.....	9.01	
08 81 23 13-0024 Patterned, Figured Factory Installed Glass (08 81 23 13-0021) Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.		
08 81 23 13-0025 SF 1/8" Thick, Patterned, Figured Factory Installed Glass.....	5.47	
08 81 23 13-0026 SF 7/32" Thick, Patterned, Figured Factory Installed Glass.....	5.47	
08 81 23 13-0027 Wired Factory Installed Glass (08 81 23 13)		
08 81 23 13-0028 Square Or Diamond Pattern, Wired Factory Installed Glass (08 81 23 13-0027) Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.		
08 81 23 13-0029 SF 1/4" Thick, Square Pattern, Wired Factory Installed Glass.....	14.17	
08 81 23 13-0030 SF 1/4" Thick, Diamond Pattern, Wired Factory Installed Glass.....	14.17	
08 81 23 13-0031 Polished, Wired Factory Installed Glass (08 81 23 13-0027)		
08 81 23 13-0032 SF 1/4" Thick, Polished, Wired Factory Installed Glass.....	15.49	
08 81 23 13-0033 Frosted Factory Installed Glass (08 81 23 13)		
08 81 23 13-0034 Frosted Factory Installed Glass (08 81 23 13-0033)		
08 81 23 13-0035 SF 1/8" Thick, Frosted Factory Installed Glass.....	7.16	
For >50 To 200, Deduct	-0.21	
For >200 To 400, Deduct	-0.43	
For >400, Deduct	-0.64	
08 81 23 13-0036 SF 3/16" Thick, Frosted Factory Installed Glass.....	9.40	
For >50 To 200, Deduct	-0.28	
For >200 To 400, Deduct	-0.56	
For >400, Deduct	-0.85	
08 81 23 13-0037 SF 1/4" Thick, Frosted Factory Installed Glass.....	11.88	
For >50 To 200, Deduct	-0.36	
For >200 To 400, Deduct	-0.71	
For >400, Deduct	-1.07	
08 81 23 13-0038 SF 3/8" Thick, Frosted Factory Installed Glass.....	17.76	
For >50 To 200, Deduct	-0.53	
For >200 To 400, Deduct	-1.07	
For >400, Deduct	-1.60	
08 81 23 13-0039 Fire Rated Factory Installed Glass (08 81 23 13)		
08 81 23 13-0040 Fire Rated Factory Installed Glass (08 81 23 13-0039)		
08 81 23 13-0041 SF 20 Minute, Fire Rated Factory Installed Glass.....	19.45	
08 81 23 13-0042 SF 45 Minute, Fire Rated Factory Installed Glass.....	38.72	
08 81 23 13-0043 SF 60 Minute, Fire Rated Factory Installed Glass.....	59.84	
08 81 23 13-0044 SF 90 Minute, Fire Rated Factory Installed Glass.....	79.20	
08 81 23 13-0045 Laminated Factory Installed Glass (08 81 23 13)		
08 81 23 13-0046 Laminated Glass With PVB Interlayer, Factory Installed Glass (08 81 23 13-0045) Note: Type I, Class I, Quality Q3.		
08 81 23 13-0047 SF 1/4" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass.....	12.62	
For >50 To 200, Deduct	-0.38	
For >200 To 400, Deduct	-0.76	
For >400, Deduct	-1.14	
For Tinted Glass, Add	3.16	
For Reflective Coated Glass, Add	5.68	
For Low-E Coated Glass, Add	3.16	
For One Piece Heat Strengthened Glass, Add	2.52	
For One Piece Fully Tempered Glass, Add	2.52	
08 81 23 13-0048 SF 3/8" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass.....	15.75	
For >50 To 200, Deduct	-0.47	
For >200 To 400, Deduct	-0.95	
For >400, Deduct	-1.42	
For Tinted Glass, Add	3.94	
For Reflective Coated Glass, Add	7.09	
For Low-E Coated Glass, Add	3.94	
For One Piece Heat Strengthened Glass, Add	3.15	
For One Piece Fully Tempered Glass, Add	3.15	
08 81 23 13-0049 SF 1/2" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass.....	21.41	
For >50 To 200, Deduct	-0.64	
For >200 To 400, Deduct	-1.28	
For >400, Deduct	-1.93	
For Tinted Glass, Add	5.35	
For Reflective Coated Glass, Add	9.63	
For Low-E Coated Glass, Add	5.35	
For One Piece Heat Strengthened Glass, Add	4.28	
For One Piece Fully Tempered Glass, Add	4.28	

08 Openings**08 80 Glazing****08 81 Glass Glazing**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 81 23 13-0050	Insulated Factory Installed Glass <small>(08 81 23 13)</small>		
08 81 23 13-0051	Insulated, Factory Installed Glass <small>(08 81 23 13-0050)</small>		
	Note: Type I, Class I, Quality Q3.		
08 81 23 13-0052	3/16" Air Space, Insulated, Factory Installed Glass <small>(08 81 23 13-0051)</small>		
	Note: Type I, Class I, Quality Q3.		
08 81 23 13-0053	SF 3/8" Thick, Insulated Factory Installed Glass	8.36	
	Note: Two 3/32" lites with 3/16" air space.		
	For >50 To 200, Deduct	-0.25	
	For >200 To 400, Deduct	-0.50	
	For >400, Deduct	-0.75	
	For Tinted Glass, Add	2.09	
	For Reflective Coated Glass, Add	3.76	
	For Low-E Coated Glass, Add	2.09	
	For One Piece Heat Strengthened Glass, Add	1.67	
	For One Piece Fully Tempered Glass, Add	1.67	
	For One Piece Obscure Glass, Add	3.55	
	For Argon Gas, Add	2.30	
08 81 23 13-0054	SF 1/2" Thick, Insulated Factory Installed Glass	9.13	
	Note: One 3/16" lite and one 1/8" lite with 3/16" air space.		
	For >50 To 200, Deduct	-0.27	
	For >200 To 400, Deduct	-0.55	
	For >400, Deduct	-0.82	
	For Tinted Glass, Add	2.28	
	For Reflective Coated Glass, Add	4.11	
	For Low-E Coated Glass, Add	2.28	
	For One Piece Heat Strengthened Glass, Add	1.83	
	For One Piece Fully Tempered Glass, Add	1.83	
	For One Piece Obscure Glass, Add	3.88	
	For Argon Gas, Add	2.51	
08 81 23 13-0055	SF 9/16" Thick, Insulated Factory Installed Glass	9.15	
	Note: Two 3/16" lites with 3/16" air space.		
	For >50 To 200, Deduct	-0.27	
	For >200 To 400, Deduct	-0.55	
	For >400, Deduct	-0.82	
	For Tinted Glass, Add	2.29	
	For Reflective Coated Glass, Add	4.12	
	For Low-E Coated Glass, Add	2.29	
	For One Piece Heat Strengthened Glass, Add	1.83	
	For One Piece Fully Tempered Glass, Add	1.83	
	For One Piece Obscure Glass, Add	3.89	
	For Argon Gas, Add	2.52	
08 81 23 13-0056	1/4" Air Space, Insulated, Factory Installed Glass <small>(08 81 23 13-0051)</small>		
	Note: Type I, Class I, Quality Q3.		
08 81 23 13-0057	SF 7/16" Thick, Insulated Factory Installed Glass	8.61	
	Note: Two 3/32" lites with 1/4" air space.		
	For >50 To 200, Deduct	-0.26	
	For >200 To 400, Deduct	-0.52	
	For >400, Deduct	-0.77	
	For Tinted Glass, Add	2.15	
	For Reflective Coated Glass, Add	3.87	
	For Low-E Coated Glass, Add	2.15	
	For One Piece Heat Strengthened Glass, Add	1.72	
	For One Piece Fully Tempered Glass, Add	1.72	
	For One Piece Obscure Glass, Add	3.66	
	For Argon Gas, Add	2.37	
08 81 23 13-0058	SF 1/2" Thick, Insulated Factory Installed Glass	9.13	
	Note: Two 1/8" lites with 1/4" air space.		
	For >50 To 200, Deduct	-0.27	
	For >200 To 400, Deduct	-0.55	
	For >400, Deduct	-0.82	
	For Tinted Glass, Add	2.28	
	For Reflective Coated Glass, Add	4.11	
	For Low-E Coated Glass, Add	2.28	
	For One Piece Heat Strengthened Glass, Add	1.83	
	For One Piece Fully Tempered Glass, Add	1.83	
	For One Piece Obscure Glass, Add	3.88	
	For Argon Gas, Add	2.51	
08 81 23 13-0059	SF 5/8" Thick, Insulated Factory Installed Glass	9.24	
	Note: Two 3/16" lites with 1/4" air space.		
	For >50 To 200, Deduct	-0.28	
	For >200 To 400, Deduct	-0.55	
	For >400, Deduct	-0.83	
	For Tinted Glass, Add	2.31	
	For Reflective Coated Glass, Add	4.16	
	For Low-E Coated Glass, Add	2.31	
	For One Piece Heat Strengthened Glass, Add	1.85	
	For One Piece Fully Tempered Glass, Add	1.85	
	For One Piece Obscure Glass, Add	3.93	
	For Argon Gas, Add	2.54	



Openings	08	08
Glazing	08 80	
Glass Glazing	08 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0060 SF 5/8" Thick, Insulated Factory Installed Glass.....	9.24	
Note: One 1/4" lite and one 1/8" lite with 1/4" air space.		
For >50 To 200, Deduct	-0.28	
For >200 To 400, Deduct	-0.55	
For >400, Deduct	-0.83	
For Tinted Glass, Add	2.31	
For Reflective Coated Glass, Add	4.16	
For Low-E Coated Glass, Add	2.31	
For One Piece Heat Strengthened Glass, Add	1.85	
For One Piece Fully Tempered Glass, Add	1.85	
For One Piece Obscure Glass, Add	3.93	
For Argon Gas, Add	2.54	
08 81 23 13-0061 SF 3/4" Thick, Insulated Factory Installed Glass.....	9.68	
Note: Two 1/4" lites with 1/4" air space.		
For >50 To 200, Deduct	-0.29	
For >200 To 400, Deduct	-0.58	
For >400, Deduct	-0.87	
For Tinted Glass, Add	2.42	
For Reflective Coated Glass, Add	4.36	
For Low-E Coated Glass, Add	2.42	
For One Piece Heat Strengthened Glass, Add	1.94	
For One Piece Fully Tempered Glass, Add	1.94	
For One Piece Obscure Glass, Add	4.11	
For Argon Gas, Add	2.66	
08 81 23 13-0062 3/8" Air Space, Insulated, Factory Installed Glass (08 81 23 13-0051)		
Note: Type I, Class I, Quality Q3.		
08 81 23 13-0063 SF 5/8" Thick, Insulated Factory Installed Glass.....	9.24	
Note: Two 1/8" lites with 3/8" air space.		
For >50 To 200, Deduct	-0.28	
For >200 To 400, Deduct	-0.55	
For >400, Deduct	-0.83	
For Tinted Glass, Add	2.31	
For Reflective Coated Glass, Add	4.16	
For Low-E Coated Glass, Add	2.31	
For One Piece Heat Strengthened Glass, Add	1.85	
For One Piece Fully Tempered Glass, Add	1.85	
For One Piece Obscure Glass, Add	3.93	
For Argon Gas, Add	2.54	
08 81 23 13-0064 SF 3/4" Thick, Insulated Factory Installed Glass.....	9.68	
Note: Two 3/16" lites with 3/8" air space.		
For >50 To 200, Deduct	-0.29	
For >200 To 400, Deduct	-0.58	
For >400, Deduct	-0.87	
For Tinted Glass, Add	2.42	
For Reflective Coated Glass, Add	4.36	
For Low-E Coated Glass, Add	2.42	
For One Piece Heat Strengthened Glass, Add	1.94	
For One Piece Fully Tempered Glass, Add	1.94	
For One Piece Obscure Glass, Add	4.11	
For Argon Gas, Add	2.66	
08 81 23 13-0065 SF 7/8" Thick, Insulated Factory Installed Glass.....	10.74	
Note: Two 1/4" lites with 3/8" air space.		
For >50 To 200, Deduct	-0.32	
For >200 To 400, Deduct	-0.64	
For >400, Deduct	-0.97	
For Tinted Glass, Add	2.69	
For Reflective Coated Glass, Add	4.83	
For Low-E Coated Glass, Add	2.69	
For One Piece Heat Strengthened Glass, Add	2.15	
For One Piece Fully Tempered Glass, Add	2.15	
For One Piece Obscure Glass, Add	4.56	
For Argon Gas, Add	2.95	
08 81 23 13-0066 1/2" Air Space, Insulated, Factory Installed Glass (08 81 23 13-0051)		
Note: Type I, Class I, Quality Q3.		
08 81 23 13-0067 SF 3/4" Thick, Insulated Factory Installed Glass.....	9.68	
Note: Two 1/8" lites with 1/2" air space.		
For >50 To 200, Deduct	-0.29	
For >200 To 400, Deduct	-0.58	
For >400, Deduct	-0.87	
For Tinted Glass, Add	2.42	
For Reflective Coated Glass, Add	4.36	
For Low-E Coated Glass, Add	2.42	
For One Piece Heat Strengthened Glass, Add	1.94	
For One Piece Fully Tempered Glass, Add	1.94	
For One Piece Obscure Glass, Add	4.11	
For Argon Gas, Add	2.66	

08 Openings**08 80 Glazing****08 81 Glass Glazing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0068	SF		7/8" Thick, Insulated Factory Installed Glass Note: Two 3/16" lites with 1/2" air space.	10.74	
			For >50 To 200, Deduct	-0.32	
			For >200 To 400, Deduct	-0.64	
			For >400, Deduct	-0.97	
			For Tinted Glass, Add	2.69	
			For Reflective Coated Glass, Add	4.83	
			For Low-E Coated Glass, Add	2.69	
			For One Piece Heat Strengthened Glass, Add	2.15	
			For One Piece Fully Tempered Glass, Add	2.15	
			For One Piece Obscure Glass, Add	4.56	
			For Argon Gas, Add	2.95	
08 81 23 13-0069	SF		7/8" Thick, Insulated Factory Installed Glass Note: One 1/4" lite and one 1/8" lite with 1/2" air space.	10.74	
			For >50 To 200, Deduct	-0.32	
			For >200 To 400, Deduct	-0.64	
			For >400, Deduct	-0.97	
			For Tinted Glass, Add	2.69	
			For Reflective Coated Glass, Add	4.83	
			For Low-E Coated Glass, Add	2.69	
			For One Piece Heat Strengthened Glass, Add	2.15	
			For One Piece Fully Tempered Glass, Add	2.15	
			For One Piece Obscure Glass, Add	4.56	
			For Argon Gas, Add	2.95	
08 81 23 13-0070	SF		1" Thick, Insulated Factory Installed Glass Note: Two 1/4" lites with 1/2" air space.	11.74	
			For >50 To 200, Deduct	-0.35	
			For >200 To 400, Deduct	-0.70	
			For >400, Deduct	-1.06	
			For Tinted Glass, Add	2.94	
			For Reflective Coated Glass, Add	5.28	
			For Low-E Coated Glass, Add	2.94	
			For One Piece Heat Strengthened Glass, Add	2.35	
			For One Piece Fully Tempered Glass, Add	2.35	
			For One Piece Obscure Glass, Add	4.99	
			For Argon Gas, Add	3.23	
08 81 23 23 Field Installed Glass Glazing <small>(08 81 23)</small>					
08 81 23 23-0001			Heat Treated Field Installed Glass <small>(08 81 23 23)</small>		
08 81 23 23-0002			Tempered, Clear Float Field Installed Glass <small>(08 81 23 23-0001)</small> Note: Type I, Class I, Quality Q3.		
08 81 23 23-0003	SF		1/8" Thick, Tempered, Clear Float Field Installed Glass For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Glass Removal And Preparing Opening For New Glazing, Add For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add	17.30 -0.14 -0.28 -0.41 12.71 1.15 2.07 1.15	
08 81 23 23-0004	SF		3/16" Thick, Tempered, Clear Float Field Installed Glass For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Glass Removal And Preparing Opening For New Glazing, Add For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add	18.59 -0.15 -0.29 -0.44 13.68 1.23 2.21 1.23	
08 81 23 23-0005	SF		1/4" Thick, Tempered, Clear Float Field Installed Glass For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Glass Removal And Preparing Opening For New Glazing, Add For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add	20.63 -0.18 -0.36 -0.54 14.66 1.49 2.69 1.49	
08 81 23 23-0006	SF		5/16" Thick, Tempered, Clear Float Field Installed Glass For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Glass Removal And Preparing Opening For New Glazing, Add For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add	26.55 -0.30 -0.60 -0.89 16.61 2.49 4.47 2.49	
08 81 23 23-0007	SF		3/8" Thick, Tempered, Clear Float Field Installed Glass For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Glass Removal And Preparing Opening For New Glazing, Add For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add	33.02 -0.43 -0.87 -1.30 18.57 3.61 6.50 3.61	



Openings	08	08
Glazing	08 80	
Glass Glazing	08 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0008 SF 1/2" Thick, Tempered, Clear Float Field Installed Glass	36.39	
For >50 To 200, Deduct	-0.48	
For >200 To 400, Deduct	-0.95	
For >400, Deduct	-1.43	
For Glass Removal And Preparing Opening For New Glazing, Add	20.52	
For Tinted Glass, Add	3.97	
For Reflective Coated Glass, Add	7.14	
For Low-E Coated Glass, Add	3.97	
08 81 23 23-0009 SF 5/8" Thick, Tempered, Clear Float Field Installed Glass	44.40	
For >50 To 200, Deduct	-0.57	
For >200 To 400, Deduct	-1.14	
For >400, Deduct	-1.71	
For Glass Removal And Preparing Opening For New Glazing, Add	25.41	
For Tinted Glass, Add	4.75	
For Reflective Coated Glass, Add	8.55	
For Low-E Coated Glass, Add	4.75	
08 81 23 23-0010 SF 3/4" Thick, Tempered, Clear Float Field Installed Glass	53.75	
For >50 To 200, Deduct	-0.70	
For >200 To 400, Deduct	-1.41	
For >400, Deduct	-2.11	
For Glass Removal And Preparing Opening For New Glazing, Add	30.29	
For Tinted Glass, Add	5.87	
For Reflective Coated Glass, Add	10.56	
For Low-E Coated Glass, Add	5.87	
08 81 23 23-0011 Clear Float Field Installed Glass (08 81 23 23)		
08 81 23 23-0012 Clear Float Field Installed Glass (08 81 23 23-0011)		
Note: Type I, Class I, Quality Q3.		
08 81 23 23-0013 SF 1/8" Thick, Clear Float Field Installed Glass	15.88	
For >50 To 200, Deduct	-0.10	
For >200 To 400, Deduct	-0.19	
For >400, Deduct	-0.29	
For Glass Removal And Preparing Opening For New Glazing, Add	12.71	
For Tinted Glass, Add	0.79	
For Reflective Coated Glass, Add	1.43	
For Low-E Coated Glass, Add	0.79	
08 81 23 23-0014 SF 3/16" Thick, Clear Float Field Installed Glass	17.08	
For >50 To 200, Deduct	-0.10	
For >200 To 400, Deduct	-0.20	
For >400, Deduct	-0.31	
For Glass Removal And Preparing Opening For New Glazing, Add	13.68	
For Tinted Glass, Add	0.85	
For Reflective Coated Glass, Add	1.53	
For Low-E Coated Glass, Add	0.85	
08 81 23 23-0015 SF 1/4" Thick, Clear Float Field Installed Glass	18.78	
For >50 To 200, Deduct	-0.12	
For >200 To 400, Deduct	-0.25	
For >400, Deduct	-0.37	
For Glass Removal And Preparing Opening For New Glazing, Add	14.66	
For Tinted Glass, Add	1.03	
For Reflective Coated Glass, Add	1.85	
For Low-E Coated Glass, Add	1.03	
08 81 23 23-0016 SF 5/16" Thick, Clear Float Field Installed Glass	23.46	
For >50 To 200, Deduct	-0.21	
For >200 To 400, Deduct	-0.41	
For >400, Deduct	-0.62	
For Glass Removal And Preparing Opening For New Glazing, Add	16.61	
For Tinted Glass, Add	1.71	
For Reflective Coated Glass, Add	3.08	
For Low-E Coated Glass, Add	1.71	
08 81 23 23-0017 SF 3/8" Thick, Clear Float Field Installed Glass	28.53	
For >50 To 200, Deduct	-0.30	
For >200 To 400, Deduct	-0.60	
For >400, Deduct	-0.90	
For Glass Removal And Preparing Opening For New Glazing, Add	18.57	
For Tinted Glass, Add	2.49	
For Reflective Coated Glass, Add	4.48	
For Low-E Coated Glass, Add	2.49	
08 81 23 23-0018 SF 1/2" Thick, Clear Float Field Installed Glass	31.47	
For >50 To 200, Deduct	-0.33	
For >200 To 400, Deduct	-0.66	
For >400, Deduct	-0.99	
For Glass Removal And Preparing Opening For New Glazing, Add	20.52	
For Tinted Glass, Add	2.74	
For Reflective Coated Glass, Add	4.93	
For Low-E Coated Glass, Add	2.74	
08 81 23 23-0019 SF 5/8" Thick, Clear Float Field Installed Glass	38.50	
For >50 To 200, Deduct	-0.39	
For >200 To 400, Deduct	-0.79	
For >400, Deduct	-1.18	
For Glass Removal And Preparing Opening For New Glazing, Add	25.41	
For Tinted Glass, Add	3.27	
For Reflective Coated Glass, Add	5.89	
For Low-E Coated Glass, Add	3.27	

08 Openings**08 80 Glazing****08 81 Glass Glazing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0020	SF		3/4" Thick, Clear Float Field Installed Glass	46.46	
			<i>For >50 To 200, Deduct</i>	-0.49	
			<i>For >200 To 400, Deduct</i>	-0.97	
			<i>For >400, Deduct</i>	-1.46	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	30.29	
			<i>For Tinted Glass, Add</i>	4.04	
			<i>For Reflective Coated Glass, Add</i>	7.28	
			<i>For Low-E Coated Glass, Add</i>	4.04	
08 81 23 23-0021			Patterned Field Installed Glass (08 81 23 23)		
08 81 23 23-0022			Rough Obscure Field Installed Glass (08 81 23 23-0021)		
			Note: Class II, Form 3, Finish F1.		
08 81 23 23-0023	SF		1/4" Thick, Rough Obscure Field Installed Glass	23.67	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	14.66	
08 81 23 23-0024			Patterned, Figured Field Installed Glass (08 81 23 23-0021)		
			Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.		
08 81 23 23-0025	SF		1/8" Thick, Patterned, Figured Field Installed Glass	18.18	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	12.71	
08 81 23 23-0026	SF		7/32" Thick, Patterned, Figured Field Installed Glass	19.64	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	14.17	
08 81 23 23-0027			Wired Field Installed Glass (08 81 23 23)		
08 81 23 23-0028			Square Or Diamond Pattern, Wired Field Installed Glass (08 81 23 23-0027)		
			Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.		
08 81 23 23-0029	SF		1/4" Thick, Square Pattern, Wired Field Installed Glass	28.83	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	14.66	
08 81 23 23-0030	SF		1/4" Thick, Diamond Pattern, Wired Field Installed Glass	28.83	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	14.66	
08 81 23 23-0031			Polished, Wired Field Installed Glass (08 81 23 23-0027)		
08 81 23 23-0032	SF		1/4" Thick, Polished, Wired Field Installed Glass	30.15	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	14.66	
08 81 23 23-0033			Frosted Field Installed Glass (08 81 23 23)		
08 81 23 23-0034			Frosted Field Installed Glass (08 81 23 23-0033)		
08 81 23 23-0035	SF		1/8" Thick, Frosted Field Installed Glass	19.87	
			<i>For >50 To 200, Deduct</i>	-0.21	
			<i>For >200 To 400, Deduct</i>	-0.43	
			<i>For >400, Deduct</i>	-0.64	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	12.71	
08 81 23 23-0036	SF		3/16" Thick, Frosted Field Installed Glass	23.08	
			<i>For >50 To 200, Deduct</i>	-0.28	
			<i>For >200 To 400, Deduct</i>	-0.56	
			<i>For >400, Deduct</i>	-0.85	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	13.68	
08 81 23 23-0037	SF		1/4" Thick, Frosted Field Installed Glass	26.54	
			<i>For >50 To 200, Deduct</i>	-0.36	
			<i>For >200 To 400, Deduct</i>	-0.71	
			<i>For >400, Deduct</i>	-1.07	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	14.66	
08 81 23 23-0038	SF		3/8" Thick, Frosted Field Installed Glass	36.33	
			<i>For >50 To 200, Deduct</i>	-0.53	
			<i>For >200 To 400, Deduct</i>	-1.07	
			<i>For >400, Deduct</i>	-1.60	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	18.57	
08 81 23 23-0039			Fire Rated Field Installed Glass (08 81 23 23)		
08 81 23 23-0040			Fire Rated Field Installed Glass (08 81 23 23-0039)		
08 81 23 23-0041	SF		20 Minute, Fire Rated Field Installed Glass	34.11	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	14.66	
08 81 23 23-0042	SF		45 Minute, Fire Rated Field Installed Glass	53.38	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	14.66	
08 81 23 23-0043	SF		60 Minute, Fire Rated Field Installed Glass	74.50	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	14.66	
08 81 23 23-0044	SF		90 Minute, Fire Rated Field Installed Glass	93.86	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	14.66	
08 81 23 23-0045			Laminated Field Installed Glass (08 81 23 23)		
08 81 23 23-0046			Laminated Glass With PVB Interlayer, Field Installed Glass (08 81 23 23-0045)		
			Note: Type I, Class I, Quality Q3.		



Openings	08	08
Glazing	08 80	
Glass Glazing	08 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0047 SF 1/4" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass.....	27.28	
For >50 To 200, Deduct	-0.38	
For >200 To 400, Deduct	-0.76	
For >400, Deduct	-1.14	
For Glass Removal And Preparing Opening For New Glazing, Add	14.66	
For Tinted Glass, Add	3.16	
For Reflective Coated Glass, Add	5.68	
For Low-E Coated Glass, Add	3.16	
For One Piece Heat Strengthened Glass, Add	2.52	
For One Piece Fully Tempered Glass, Add	2.52	
08 81 23 23-0048 SF 3/8" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass.....	34.32	
For >50 To 200, Deduct	-0.47	
For >200 To 400, Deduct	-0.95	
For >400, Deduct	-1.42	
For Glass Removal And Preparing Opening For New Glazing, Add	18.57	
For Tinted Glass, Add	3.94	
For Reflective Coated Glass, Add	7.09	
For Low-E Coated Glass, Add	3.94	
For One Piece Heat Strengthened Glass, Add	3.15	
For One Piece Fully Tempered Glass, Add	3.15	
08 81 23 23-0049 SF 1/2" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass.....	41.93	
For >50 To 200, Deduct	-0.64	
For >200 To 400, Deduct	-1.28	
For >400, Deduct	-1.93	
For Glass Removal And Preparing Opening For New Glazing, Add	20.52	
For Tinted Glass, Add	5.35	
For Reflective Coated Glass, Add	9.63	
For Low-E Coated Glass, Add	5.35	
For One Piece Heat Strengthened Glass, Add	4.28	
For One Piece Fully Tempered Glass, Add	4.28	
08 81 23 23-0050 SF 9/16" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass.....	45.10	
For >50 To 200, Deduct	-0.72	
For >200 To 400, Deduct	-1.45	
For >400, Deduct	-2.17	
For Glass Removal And Preparing Opening For New Glazing, Add	21.01	
For Tinted Glass, Add	6.02	
For Reflective Coated Glass, Add	10.84	
For Low-E Coated Glass, Add	6.02	
For One Piece Heat Strengthened Glass, Add	4.82	
For One Piece Fully Tempered Glass, Add	4.82	
08 81 23 23-0051 Insulated Field Installed Glass (08 81 23 23)		
08 81 23 23-0052 Insulated Glass, Field Installed Glass (08 81 23 23-0051)		
Note: Type I, Class I, Quality Q3.		
08 81 23 23-0053 3/16" Air Space, Insulated, Field Installed Glass (08 81 23 23-0052)		
Note: Type I, Class I, Quality Q3.		
08 81 23 23-0054 SF 3/8" Thick, Insulated Field Installed Glass.....	24.77	
Note: Two 3/32" lites with 3/16" air space.		
For >50 To 200, Deduct	-0.25	
For >200 To 400, Deduct	-0.50	
For >400, Deduct	-0.75	
For Glass Removal And Preparing Opening For New Glazing, Add	16.41	
For Tinted Glass, Add	2.09	
For Reflective Coated Glass, Add	3.76	
For Low-E Coated Glass, Add	2.09	
For One Piece Heat Strengthened Glass, Add	1.67	
For One Piece Fully Tempered Glass, Add	1.67	
For One Piece Obscure Glass, Add	3.55	
For Argon Gas, Add	2.30	
08 81 23 23-0055 SF 1/2" Thick, Insulated Field Installed Glass.....	26.23	
Note: One 3/16" lite and one 1/8" lite with 3/16" air space.		
For >50 To 200, Deduct	-0.27	
For >200 To 400, Deduct	-0.55	
For >400, Deduct	-0.82	
For Glass Removal And Preparing Opening For New Glazing, Add	17.10	
For Tinted Glass, Add	2.28	
For Reflective Coated Glass, Add	4.11	
For Low-E Coated Glass, Add	2.28	
For One Piece Heat Strengthened Glass, Add	1.83	
For One Piece Fully Tempered Glass, Add	1.83	
For One Piece Obscure Glass, Add	3.88	
For Argon Gas, Add	2.51	
08 81 23 23-0056 SF 9/16" Thick, Insulated Field Installed Glass.....	26.54	
Note: Two 3/16" lites with 3/16" air space.		
For >50 To 200, Deduct	-0.27	
For >200 To 400, Deduct	-0.55	
For >400, Deduct	-0.82	
For Glass Removal And Preparing Opening For New Glazing, Add	17.39	
For Tinted Glass, Add	2.29	
For Reflective Coated Glass, Add	4.12	
For Low-E Coated Glass, Add	2.29	
For One Piece Heat Strengthened Glass, Add	1.83	
For One Piece Fully Tempered Glass, Add	1.83	
For One Piece Obscure Glass, Add	3.89	
For Argon Gas, Add	2.52	

08 Openings**08 80 Glazing****08 81 Glass Glazing**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 81 23 23-0057		1/4" Air Space, Insulated, Field Installed Glass (08 81 23 23-0052)		
		Note: Type I, Class I, Quality Q3.		
08 81 23 23-0058	SF	7/16" Thick, Insulated Field Installed Glass	25.32	
		Note: Two 3/32" lites with 1/4" air space.		
		For >50 To 200, Deduct	-0.26	
		For >200 To 400, Deduct	-0.52	
		For >400, Deduct	-0.77	
		For Glass Removal And Preparing Opening For New Glazing, Add	16.71	
		For Tinted Glass, Add	2.15	
		For Reflective Coated Glass, Add	3.87	
		For Low-E Coated Glass, Add	2.15	
		For One Piece Heat Strengthened Glass, Add	1.72	
		For One Piece Fully Tempered Glass, Add	1.72	
		For One Piece Obscure Glass, Add	3.66	
		For Argon Gas, Add	2.37	
08 81 23 23-0059	SF	1/2" Thick, Insulated Field Installed Glass	26.23	
		Note: Two 1/8" lites with 1/4" air space.		
		For >50 To 200, Deduct	-0.27	
		For >200 To 400, Deduct	-0.55	
		For >400, Deduct	-0.82	
		For Glass Removal And Preparing Opening For New Glazing, Add	17.10	
		For Tinted Glass, Add	2.28	
		For Reflective Coated Glass, Add	4.11	
		For Low-E Coated Glass, Add	2.28	
		For One Piece Heat Strengthened Glass, Add	1.83	
		For One Piece Fully Tempered Glass, Add	1.83	
		For One Piece Obscure Glass, Add	3.88	
		For Argon Gas, Add	2.51	
08 81 23 23-0060	SF	5/8" Thick, Insulated Field Installed Glass	27.49	
		Note: Two 3/16" lites with 1/4" air space.		
		For >50 To 200, Deduct	-0.28	
		For >200 To 400, Deduct	-0.55	
		For >400, Deduct	-0.83	
		For Glass Removal And Preparing Opening For New Glazing, Add	18.25	
		For Tinted Glass, Add	2.31	
		For Reflective Coated Glass, Add	4.16	
		For Low-E Coated Glass, Add	2.31	
		For One Piece Heat Strengthened Glass, Add	1.85	
		For One Piece Fully Tempered Glass, Add	1.85	
		For One Piece Obscure Glass, Add	3.93	
		For Argon Gas, Add	2.54	
08 81 23 23-0061	SF	5/8" Thick, Insulated Field Installed Glass	27.49	
		Note: One 1/4" lite and one 1/8" lite with 1/4" air space.		
		For >50 To 200, Deduct	-0.28	
		For >200 To 400, Deduct	-0.55	
		For >400, Deduct	-0.83	
		For Glass Removal And Preparing Opening For New Glazing, Add	18.25	
		For Tinted Glass, Add	2.31	
		For Reflective Coated Glass, Add	4.16	
		For Low-E Coated Glass, Add	2.31	
		For One Piece Heat Strengthened Glass, Add	1.85	
		For One Piece Fully Tempered Glass, Add	1.85	
		For One Piece Obscure Glass, Add	3.93	
		For Argon Gas, Add	2.54	
08 81 23 23-0062	SF	3/4" Thick, Insulated Field Installed Glass	29.59	
		Note: Two 1/4" lites with 1/4" air space.		
		For >50 To 200, Deduct	-0.29	
		For >200 To 400, Deduct	-0.58	
		For >400, Deduct	-0.87	
		For Glass Removal And Preparing Opening For New Glazing, Add	19.91	
		For Tinted Glass, Add	2.42	
		For Reflective Coated Glass, Add	4.36	
		For Low-E Coated Glass, Add	2.42	
		For One Piece Heat Strengthened Glass, Add	1.94	
		For One Piece Fully Tempered Glass, Add	1.94	
		For One Piece Obscure Glass, Add	4.11	
		For Argon Gas, Add	2.66	
08 81 23 23-0063		3/8" Air Space, Insulated, Field Installed Glass (08 81 23 23-0052)		
		Note: Type I, Class I, Quality Q3.		
08 81 23 23-0064	SF	5/8" Thick, Insulated Field Installed Glass	27.49	
		Note: Two 1/8" lites with 3/8" air space.		
		For >50 To 200, Deduct	-0.28	
		For >200 To 400, Deduct	-0.55	
		For >400, Deduct	-0.83	
		For Glass Removal And Preparing Opening For New Glazing, Add	18.25	
		For Tinted Glass, Add	2.31	
		For Reflective Coated Glass, Add	4.16	
		For Low-E Coated Glass, Add	2.31	
		For One Piece Heat Strengthened Glass, Add	1.85	
		For One Piece Fully Tempered Glass, Add	1.85	
		For One Piece Obscure Glass, Add	3.93	
		For Argon Gas, Add	2.54	



Openings	08	08
Glazing	08 80	
Glass Glazing	08 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0065 SF 3/4" Thick, Insulated Field Installed Glass 29.59 Note: Two 3/16" lites with 3/8" air space. For >50 To 200, Deduct -0.29 For >200 To 400, Deduct -0.58 For >400, Deduct -0.87 For Glass Removal And Preparing Opening For New Glazing, Add 19.91 For Tinted Glass, Add 2.42 For Reflective Coated Glass, Add 4.36 For Low-E Coated Glass, Add 2.42 For One Piece Heat Strengthened Glass, Add 1.94 For One Piece Fully Tempered Glass, Add 1.94 For One Piece Obscure Glass, Add 4.11 For Argon Gas, Add 2.66		
08 81 23 23-0066 SF 7/8" Thick, Insulated Field Installed Glass 31.06 Note: Two 1/4" lites with 3/8" air space. For >50 To 200, Deduct -0.32 For >200 To 400, Deduct -0.64 For >400, Deduct -0.97 For Glass Removal And Preparing Opening For New Glazing, Add 20.32 For Tinted Glass, Add 2.69 For Reflective Coated Glass, Add 4.83 For Low-E Coated Glass, Add 2.69 For One Piece Heat Strengthened Glass, Add 2.15 For One Piece Fully Tempered Glass, Add 2.15 For One Piece Obscure Glass, Add 4.56 For Argon Gas, Add 2.95		
08 81 23 23-0067 1/2" Air Space, Insulated, Field Installed Glass (08 81 23 23-0052)		
08 81 23 23-0068 SF 3/4" Thick, Insulated Field Installed Glass 29.59 Note: Two 1/8" lites with 1/2" air space. For >50 To 200, Deduct -0.29 For >200 To 400, Deduct -0.58 For >400, Deduct -0.87 For Glass Removal And Preparing Opening For New Glazing, Add 19.91 For Tinted Glass, Add 2.42 For Reflective Coated Glass, Add 4.36 For Low-E Coated Glass, Add 2.42 For One Piece Heat Strengthened Glass, Add 1.94 For One Piece Fully Tempered Glass, Add 1.94 For One Piece Obscure Glass, Add 4.11 For Argon Gas, Add 2.66		
08 81 23 23-0069 SF 7/8" Thick, Insulated Field Installed Glass 31.06 Note: Two 3/16" lites with 1/2" air space. For >50 To 200, Deduct -0.32 For >200 To 400, Deduct -0.64 For >400, Deduct -0.97 For Glass Removal And Preparing Opening For New Glazing, Add 20.32 For Tinted Glass, Add 2.69 For Reflective Coated Glass, Add 4.83 For Low-E Coated Glass, Add 2.69 For One Piece Heat Strengthened Glass, Add 2.15 For One Piece Fully Tempered Glass, Add 2.15 For One Piece Obscure Glass, Add 4.56 For Argon Gas, Add 2.95		
08 81 23 23-0070 SF 7/8" Thick, Insulated Field Installed Glass 31.06 Note: One 1/4" lite and one 1/8" lite with 1/2" air space. For >50 To 200, Deduct -0.32 For >200 To 400, Deduct -0.64 For >400, Deduct -0.97 For Glass Removal And Preparing Opening For New Glazing, Add 20.32 For Tinted Glass, Add 2.69 For Reflective Coated Glass, Add 4.83 For Low-E Coated Glass, Add 2.69 For One Piece Heat Strengthened Glass, Add 2.15 For One Piece Fully Tempered Glass, Add 2.15 For One Piece Obscure Glass, Add 4.56 For Argon Gas, Add 2.95		
08 81 23 23-0071 SF 1" Thick, Insulated Field Installed Glass 32.26 Note: Two 1/4" lites with 1/2" air space. For >50 To 200, Deduct -0.35 For >200 To 400, Deduct -0.70 For >400, Deduct -1.06 For Glass Removal And Preparing Opening For New Glazing, Add 20.52 For Tinted Glass, Add 2.94 For Reflective Coated Glass, Add 5.28 For Low-E Coated Glass, Add 2.94 For One Piece Heat Strengthened Glass, Add 2.35 For One Piece Fully Tempered Glass, Add 2.35 For One Piece Obscure Glass, Add 4.99 For Argon Gas, Add 3.23		
08 81 23 23-0072 Laminated Insulated Glass, Field Installed Glass (08 81 23 23-0051)		

08 Openings**08 80 Glazing****08 81 Glass Glazing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0073 SF 1-5/16" Thick, Laminated Insulating Glass, Field Installed Glass.....	73.83	
Note: Insulated glass units consisting of 1/4" thick inner pane, 1/2" air gap, and outer laminated pane of .060" PVB film between two layers 1/4" thick glass.		
For >50 To 200, Deduct	-1.41	
For >200 To 400, Deduct	-2.82	
For >400, Deduct	-4.23	
For Glass Removal And Preparing Opening For New Glazing, Add	26.87	
For Tinted Glass, Add	11.74	
For Reflective Coated Glass, Add	21.13	
For Low-E Coated Glass, Add	11.74	
For Argon Gas, Add	12.91	
08 81 23 23-0074 Spandrel Field Installed Glass (08 81 23 23)		
08 81 23 23-0075 Monolithic Float Glass Panels Ceramic Back, Coated, Field Installed Glass		
(08 81 23 23-0074)		
08 81 23 23-0076 SF 1/4" - 5/16" Spandrel Glass, Up To 1,000 SF, Field Installed Glass	26.49	
For Glass Removal And Preparing Opening For New Glazing, Add	16.28	
08 81 23 23-0077 SF 1/4" - 5/16" Spandrel Glass, >1,000 SF, Field Installed Glass.....	24.30	
For Glass Removal And Preparing Opening For New Glazing, Add	16.28	
08 81 23 23-0078 Insulating Float Glass Panels Ceramic Back, Coated, Tempered, Field Installed Glass (08 81 23 23-0074)		
08 81 23 23-0079 1/4" Glass With 1" Fiberglass Insulation, Field Installed Glass (08 81 23 23-0078)		
Note: Also with aluminum foil vapor barrier.		
08 81 23 23-0080 SF 1/4" Spandrel Glass With 1" Fiberglass Insulation Up To 20,000 SF, Foil Vapor Barrier, Field Installed Glass.....	28.78	
For Glass Removal And Preparing Opening For New Glazing, Add	16.28	
08 81 23 23-0081 SF 1/4" Spandrel Glass With 1" Fiberglass Insulation >20,000 SF, Foil Vapor Barrier, Field Installed Glass	26.29	
For Glass Removal And Preparing Opening For New Glazing, Add	16.28	
08 81 23 23-0082 1/4" Glass With 3/4 To 7/8" Insulation, Field Installed Glass (08 81 23 23-0078)		
08 81 23 23-0083 SF 1/4" Spandrel Glass, 3/4" - 7/8" Insulation 24 Gauge Steel Interfacing, Field Installed Glass.....	33.09	
For Glass Removal And Preparing Opening For New Glazing, Add	16.28	
08 81 23 23-0084 SF 1/4" Spandrel Glass, 3/4" - 7/8" Insulation 16 Gauge Steel Interfacing, Field Installed Glass.....	28.21	
For Glass Removal And Preparing Opening For New Glazing, Add	16.28	
08 83 Mirrors (08 80)		
Note: Kind FT, Type I, Class I, Quality Q1.		
08 83 13 Mirrored Glass Glazing (08 83)		
08 83 13 00-0001 Mirror Glass (08 83 13)		
08 83 13 00-0002 One-Way Vision Glass (Transparent Mirrors) (08 83 13 00-0001)		
08 83 13 00-0003 SF 1/4" One-Way Vision Glass (Transparent Mirrors).....	42.99	7.32
For >50 To 200, Deduct	-0.86	
For >200 To 400, Deduct	-1.43	
For >400, Deduct	-2.28	
08 83 13 00-0004 Tempered, One-Way Vision Glass (Transparent Mirrors) (08 83 13 00-0001)		
08 83 13 00-0005 SF 1/4" Tempered, One-Way Vision Glass (Transparent Mirrors).....	56.09	7.32
For >50 To 200, Deduct	-1.25	
For >200 To 400, Deduct	-2.08	
For >400, Deduct	-3.33	
08 83 13 00-0006 Clear Mirror Glass (08 83 13 00-0001)		
08 83 13 00-0007 SF 1/8" Clear Mirror Glass.....	18.06	5.86
For >50 To 200, Deduct	-0.19	
For >200 To 400, Deduct	-0.32	
For >400, Deduct	-0.51	
08 83 13 00-0008 SF 3/16" Clear Mirror Glass.....	21.15	6.84
For >50 To 200, Deduct	-0.23	
For >200 To 400, Deduct	-0.38	
For >400, Deduct	-0.61	
08 83 13 00-0009 SF 1/4" Clear Mirror Glass.....	23.03	7.32
For >50 To 200, Deduct	-0.26	
For >200 To 400, Deduct	-0.43	
For >400, Deduct	-0.68	
08 83 13 00-0010 Tempered, Clear Mirror Glass (08 83 13 00-0001)		
08 83 13 00-0011 SF 1/8" Tempered, Clear Mirror Glass	25.31	5.86
For >50 To 200, Deduct	-0.41	
For >200 To 400, Deduct	-0.68	
For >400, Deduct	-1.09	



Openings	08	08
Glazing	08 80	
Mirrors	08 83	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 83 13 00-0012 SF 3/16" Tempered, Clear Mirror Glass	28.83	6.84
For >50 To 200, Deduct	-0.46	
For >200 To 400, Deduct	-0.77	
For >400, Deduct	-1.23	
08 83 13 00-0013 SF 1/4" Tempered, Clear Mirror Glass	31.59	7.32
For >50 To 200, Deduct	-0.51	
For >200 To 400, Deduct	-0.86	
For >400, Deduct	-1.37	
08 83 13 00-0014 Clear Mirror Glass With Laminated Safety Backing (08 83 13 00-0001)		
08 83 13 00-0015 SF 1/4" Clear Mirror Glass With Laminated Safety Backing	27.91	7.32
For >50 To 200, Deduct	-0.40	
For >200 To 400, Deduct	-0.67	
For >400, Deduct	-1.07	
08 83 13 00-0016 Laminated Safety Mirror Glass (08 83 13 00-0001)		
Note: Clear glass laminated to face of mirror with PVB interlayer.		
08 83 13 00-0017 SF 1/4" Laminated Safety Mirror Glass	48.84	7.32
For >50 To 200, Deduct	-1.03	
For >200 To 400, Deduct	-1.72	
For >400, Deduct	-2.75	
08 83 13 00-0018 Accessories For Mirror Glass (08 83 13)		
08 83 13 00-0019 LF 1/8" Aluminum J-Channel For Mounting Mirror Glass	4.61	
08 83 13 00-0020 LF 3/16" Aluminum J-Channel For Mounting Mirror Glass	4.70	
08 83 13 00-0021 LF 1/4" Aluminum J-Channel For Mounting Mirror Glass	5.84	
08 83 13 00-0022 LF Aluminum Frame For Mounting Mirror Glass	7.45	
08 84 Plastic Glazing (08 80)		
08 84 00 00-0001 Clear Polycarbonate Glazing (GE Lexan) (08 84)		
See CSI section 08 88 53 00-0026 for security rated polycarbonate glazing.		
08 84 00 00-0002 SF 1/8" Thick, Clear Polycarbonate Glazing (GE Lexan)	15.12	
For >50 To 200, Deduct	-0.30	
For >200 To 400, Deduct	-0.59	
For >400, Deduct	-0.89	
For Glass Removal And Preparing Opening For New Glazing, Add	9.22	
08 84 00 00-0003 SF 3/16" Thick, Clear Polycarbonate Glazing (GE Lexan)	15.89	
For >50 To 200, Deduct	-0.32	
For >200 To 400, Deduct	-0.63	
For >400, Deduct	-0.95	
For Glass Removal And Preparing Opening For New Glazing, Add	9.98	
08 84 00 00-0004 SF 1/4" Thick, Clear Polycarbonate Glazing (GE Lexan)	18.52	
For >50 To 200, Deduct	-0.43	
For >200 To 400, Deduct	-0.86	
For >400, Deduct	-1.28	
For Glass Removal And Preparing Opening For New Glazing, Add	9.96	
08 84 00 00-0005 SF 3/8" Thick, Clear Polycarbonate Glazing (GE Lexan)	25.62	
For >50 To 200, Deduct	-0.77	
For >200 To 400, Deduct	-1.54	
For >400, Deduct	-2.31	
For Glass Removal And Preparing Opening For New Glazing, Add	10.25	
08 84 00 00-0006 SF 1/2" Thick, Clear Polycarbonate Glazing (GE Lexan)	31.88	
For >50 To 200, Deduct	-1.04	
For >200 To 400, Deduct	-2.09	
For >400, Deduct	-3.13	
For Glass Removal And Preparing Opening For New Glazing, Add	10.99	
08 84 00 00-0007 Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) (08 84)		
08 84 00 00-0008 SF 1/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	21.34	
For >50 To 200, Deduct	-0.61	
For >200 To 400, Deduct	-1.21	
For >400, Deduct	-1.82	
For Glass Removal And Preparing Opening For New Glazing, Add	9.22	
08 84 00 00-0009 SF 3/16" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	24.50	
For >50 To 200, Deduct	-0.75	
For >200 To 400, Deduct	-1.49	
For >400, Deduct	-2.24	
For Glass Removal And Preparing Opening For New Glazing, Add	9.98	
08 84 00 00-0010 SF 1/4" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	25.83	
For >50 To 200, Deduct	-0.79	
For >200 To 400, Deduct	-1.59	
For >400, Deduct	-2.38	
For Glass Removal And Preparing Opening For New Glazing, Add	9.96	
08 84 00 00-0011 SF 3/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	40.91	
For >50 To 200, Deduct	-1.53	
For >200 To 400, Deduct	-3.07	
For >400, Deduct	-4.60	
For Glass Removal And Preparing Opening For New Glazing, Add	10.25	

08 Openings**08 80 Glazing****08 84 Plastic Glazing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 84 00 00-0012	SF		1/2" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10).....	43.49	
			<i>For >50 To 200, Deduct</i>	-1.63	
			<i>For >200 To 400, Deduct</i>	-3.25	
			<i>For >400, Deduct</i>	-4.88	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	10.99	
08 84 00 00-0013			Clear Acrylic Glazing (Plexiglas) <small>(08 84)</small>		
08 84 00 00-0014	SF		1/10" Thick, Clear Acrylic Glazing (Plexiglas)	11.82	
			<i>For >50 To 200, Deduct</i>	-0.15	
			<i>For >200 To 400, Deduct</i>	-0.30	
			<i>For >400, Deduct</i>	-0.45	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	8.80	
			<i>For Colored, Add</i>	0.60	
			<i>For Shatterproof, Add</i>	1.81	
			<i>For Mirrored, Add</i>	2.42	
08 84 00 00-0015	SF		1/8" Thick, Clear Acrylic Glazing (Plexiglas)	12.27	
			<i>For >50 To 200, Deduct</i>	-0.15	
			<i>For >200 To 400, Deduct</i>	-0.31	
			<i>For >400, Deduct</i>	-0.46	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	9.22	
			<i>For Colored, Add</i>	0.61	
			<i>For Shatterproof, Add</i>	1.83	
			<i>For Mirrored, Add</i>	2.44	
08 84 00 00-0016	SF		3/16" Thick, Clear Acrylic Glazing (Plexiglas)	14.35	
			<i>For >50 To 200, Deduct</i>	-0.24	
			<i>For >200 To 400, Deduct</i>	-0.48	
			<i>For >400, Deduct</i>	-0.72	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	9.58	
			<i>For Colored, Add</i>	0.95	
			<i>For Shatterproof, Add</i>	2.86	
			<i>For Mirrored, Add</i>	3.82	
08 84 00 00-0017	SF		1/4" Thick, Clear Acrylic Glazing (Plexiglas)	16.24	
			<i>For >50 To 200, Deduct</i>	-0.31	
			<i>For >200 To 400, Deduct</i>	-0.63	
			<i>For >400, Deduct</i>	-0.94	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	9.96	
			<i>For Colored, Add</i>	1.26	
			<i>For Shatterproof, Add</i>	3.77	
			<i>For Mirrored, Add</i>	5.02	
08 84 00 00-0018	SF		5/16" Thick, Clear Acrylic Glazing (Plexiglas)	16.60	
			<i>For >50 To 200, Deduct</i>	-0.33	
			<i>For >200 To 400, Deduct</i>	-0.66	
			<i>For >400, Deduct</i>	-0.99	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	10.02	
			<i>For Colored, Add</i>	1.32	
			<i>For Shatterproof, Add</i>	3.95	
			<i>For Mirrored, Add</i>	5.26	
08 84 00 00-0019	SF		3/8" Thick, Clear Acrylic Glazing (Plexiglas)	17.13	
			<i>For >50 To 200, Deduct</i>	-0.34	
			<i>For >200 To 400, Deduct</i>	-0.69	
			<i>For >400, Deduct</i>	-1.03	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	10.25	
			<i>For Colored, Add</i>	1.38	
			<i>For Shatterproof, Add</i>	4.13	
			<i>For Mirrored, Add</i>	5.50	
08 84 00 00-0020	SF		1/2" Thick, Clear Acrylic Glazing (Plexiglas)	20.08	
			<i>For >50 To 200, Deduct</i>	-0.45	
			<i>For >200 To 400, Deduct</i>	-0.91	
			<i>For >400, Deduct</i>	-1.36	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	10.99	
			<i>For Colored, Add</i>	1.82	
			<i>For Shatterproof, Add</i>	5.45	
			<i>For Mirrored, Add</i>	7.27	
08 84 00 00-0021	SF		3/4" Thick, Clear Acrylic Glazing (Plexiglas)	28.07	
			<i>For >50 To 200, Deduct</i>	-0.71	
			<i>For >200 To 400, Deduct</i>	-1.42	
			<i>For >400, Deduct</i>	-2.12	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	13.91	
08 84 00 00-0022	SF		1" Thick, Clear Acrylic Glazing (Plexiglas)	36.89	
			<i>For >50 To 200, Deduct</i>	-1.09	
			<i>For >200 To 400, Deduct</i>	-2.18	
			<i>For >400, Deduct</i>	-3.27	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	15.11	

08 85 Glazing Accessories (08 80)

Note: Applicable to reglazing tasks only, new window installations include the gasket.

08 85 00 00-0001 Framing For Glass Windscreens (08 85)

Note: Excludes glazing.

08 85 00 00-0002	LF		1-1/4" x 1-1/2" Aluminum Framed Window Walls.....	24.40	1.80
			<i>For Bronze Anodized Aluminum, Add</i>	2.92	
			<i>For Stainless Steel, Add</i>	11.92	
			<i>For Black Anodized Finish, Add</i>	5.25	



Openings	08	08
Glazing	08 80	
Glazing Accessories	08 85	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 85 00 00-0003 LF 1-1/2" x 2" Aluminum Framed Window Walls.....	30.11	2.24
For Bronze Anodized Aluminum, Add	3.71	
For Stainless Steel, Add	15.10	
For Black Anodized Finish, Add	6.67	
08 85 00 00-0004 LF 1-1/2" x 3" Aluminum Framed Window Walls.....	35.84	1.80
For Bronze Anodized Aluminum, Add	4.43	
For Stainless Steel, Add	18.04	
For Black Anodized Finish, Add	7.98	
08 85 00 00-0005 LF 1-1/2" x 4" Aluminum Framed Window Walls.....	43.40	2.70
For Bronze Anodized Aluminum, Add	5.30	
For Stainless Steel, Add	21.59	
For Black Anodized Finish, Add	9.53	
08 85 00 00-0006 LF 2" x 3" Aluminum Framed Window Walls.....	44.27	2.24
For Bronze Anodized Aluminum, Add	5.63	
For Stainless Steel, Add	22.86	
For Black Anodized Finish, Add	10.13	
08 85 00 00-0007 LF 2" x 4" Aluminum Framed Window Walls.....	53.83	2.70
For Bronze Anodized Aluminum, Add	6.72	
For Stainless Steel, Add	27.35	
For Black Anodized Finish, Add	12.10	

08 87 Glazing Surface Films (08 80)

08 87 13 Solar Control Films (08 87)

Note: Applied directly to one side of glazing with adhesive.

08 87 13 00-0001 Window Tinting And Film (08 87 13)

Note: Applied directly to one side of glazing with adhesive. Includes cleaning of window glazing prior to installation.

08 87 13 00-0002 SF Bronze Window Tinting Film, 20% VLT	8.77
08 87 13 00-0003 SF Bronze Window Tinting Film, 50% VLT	8.77
08 87 13 00-0004 SF Tinted, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™).....	13.05
08 87 13 00-0005 SF Low E, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™).....	13.40

08 87 23 Safety And Security Films (08 87)

08 87 23 16 Security Films (08 87 23)

Note: Applied directly to one side of glazing with adhesive and secured at window frame with clear silicone adhesive.

08 87 23 16-0001 High Performance, Security And Safety Glazing Films (08 87 23 16)

Note: Includes cleaning of window glazing prior to installation.

08 87 23 16-0002 Clear, High Performance, Security And Safety Glazing Films (08 87 23 16-0001)

08 87 23 16-0003 SF 0.002" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL150).....	13.22
For >1,000 To 5,000, Deduct	-0.62
For >5,000, Deduct	-0.81
08 87 23 16-0004 SF 0.004" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL400).....	13.87
For >1,000 To 5,000, Deduct	-0.64
For >5,000, Deduct	-0.88
08 87 23 16-0005 SF 0.006" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ Ultra600)	14.79
For >1,000 To 5,000, Deduct	-0.67
For >5,000, Deduct	-0.97

08 87 23 16-0006 Tinted, High Performance Sun/Solar, Security And Safety Glazing Films (08 87 23 16-0001)

08 87 23 16-0007 SF 0.004" Silver, 20% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S20SIAR400).....	14.60
For >1,000 To 5,000, Deduct	-0.67
For >5,000, Deduct	-0.95
08 87 23 16-0008 SF 0.004" Neutral, 35% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S35NEAR400)	14.60
For >1,000 To 5,000, Deduct	-0.67
For >5,000, Deduct	-0.95
08 87 23 16-0009 SF 0.004" Neutral, 50% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S50NEAR400)	14.60
For >1,000 To 5,000, Deduct	-0.67
For >5,000, Deduct	-0.95

08 87 23 16-0010 Security And Safety Glazing Films (08 87 23 16)

Note: Includes cleaning of window glazing prior to installation.

08 87 23 16-0011 SF 0.007" Clear Security And Safety Glazing Film (3M Scotchshield™ SH7CLARL)	12.49
For >1,000 To 5,000, Deduct	-0.59
For >5,000, Deduct	-0.74
08 87 23 16-0012 SF 0.008" Clear Security And Safety Glazing Film (3M Scotchshield™ SH8CLARL)	12.67
For >1,000 To 5,000, Deduct	-0.60
For >5,000, Deduct	-0.76
08 87 23 16-0013 SF 0.014" Clear Security And Safety Glazing Film (3M Scotchshield™ SH14CLARL)	14.32
For >1,000 To 5,000, Deduct	-0.66
For >5,000, Deduct	-0.92

08 Openings**08 80 Glazing****08 87 Glazing Surface Films**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 87 23 16-0014 Anti-Graffiti Glazing Films <small>(08 87 23 16)</small> Note: Includes cleaning of window glazing prior to installation.		
08 87 23 16-0015 SF 0.004" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-4)	12.49	
For >1,000 To 5,000, Deduct	-0.59	
For >5,000, Deduct	-0.74	
08 87 23 16-0016 SF 0.007" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-7)	12.67	
For >1,000 To 5,000, Deduct	-0.60	
For >5,000, Deduct	-0.76	
08 88 Special Function Glazing <small>(08 80)</small>		
08 88 49 Radiation-Resistant Glazing <small>(08 88)</small>		
08 88 49 00-0001 Leaded Glass (X-Ray Shielding) <small>(08 88 49)</small>		
08 88 49 00-0002 SF 1/4" Thick Lead Glass With 1/16" Lead Equivalence	209.20	
For Glass Removal And Preparing Opening For New Glazing, Add	18.57	
08 88 49 00-0003 SF 1/4" Thick Lead Glass With 1/8" Lead Equivalence	308.07	
For Glass Removal And Preparing Opening For New Glazing, Add	18.57	
08 88 53 Security Glazing <small>(08 88)</small>		
08 88 53 00-0001 Forced Entry And/Or Ballistic Resistant All Glass Laminate <small>(08 88 53)</small>		
08 88 53 00-0002 Ballistic Resistant Glass <small>(08 88 53 00-0001)</small>		
08 88 53 00-0003 SF 1.28" All Glass Laminate Ballistic Resistant Glass, Level 1, 16.2 LB/SF, For A Single Piece, Up To 15 SF	102.91	24.43
For Glass Removal And Preparing Opening For New Glazing, Add	60.58	
08 88 53 00-0004 SF 1.28" All Glass Laminate Ballistic Resistant Glass, Level 1, 16.2 LB/SF, For A Single Piece, >15 SF	117.25	24.43
For Glass Removal And Preparing Opening For New Glazing, Add	60.58	
08 88 53 00-0005 SF 1.55" All Glass Laminate Ballistic Resistant Glass, Level 2, 21.2 LB/SF, For A Single Piece, Up To 15 SF	132.89	27.36
For Glass Removal And Preparing Opening For New Glazing, Add	68.41	
08 88 53 00-0006 SF 1.55" All Glass Laminate Ballistic Resistant Glass, Level 2, 21.2 LB/SF, For A Single Piece, >15 SF	144.87	27.36
For Glass Removal And Preparing Opening For New Glazing, Add	68.41	
08 88 53 00-0007 SF 2.05" All Glass Laminate Ballistic Resistant Glass, Level 3, 26.1 LB/SF, For A Single Piece, Up To 15 SF	164.79	31.27
For Glass Removal And Preparing Opening For New Glazing, Add	78.17	
08 88 53 00-0008 SF 2.05" All Glass Laminate Ballistic Resistant Glass, Level 3, 26.1 LB/SF, For A Single Piece, >15 SF	174.42	31.27
For Glass Removal And Preparing Opening For New Glazing, Add	78.17	
08 88 53 00-0009 Forced Entry Resistant Glass <small>(08 88 53 00-0001)</small>		
08 88 53 00-0010 SF 5/16" Forced Entry Resistant Laminated Glass Sheet	30.37	7.32
For Glass Removal And Preparing Opening For New Glazing, Add	15.27	
08 88 53 00-0011 SF 1/2" Forced Entry Resistant Laminated Glass Sheet	33.93	7.82
For Glass Removal And Preparing Opening For New Glazing, Add	16.28	
08 88 53 00-0012 SF 11/16" Forced Entry Resistant Laminated Glass Sheet	38.12	8.31
For Glass Removal And Preparing Opening For New Glazing, Add	17.44	
08 88 53 00-0013 SF 7/8" Forced Entry Resistant Laminated Glass Sheet	42.57	9.28
For Glass Removal And Preparing Opening For New Glazing, Add	18.79	
08 88 53 00-0014 Glass Clad Polycarbonate <small>(08 88 53)</small>		
08 88 53 00-0015 SF 0.76" Ballistic Resistant Glass/Poly, Level 1, 6.4 LB/SF	145.67	29.32
For Glass Removal And Preparing Opening For New Glazing, Add	74.27	
08 88 53 00-0016 SF 0.8125" Ballistic Resistant Glass/Poly, Level 2, 8.99 LB/SF	163.88	34.40
For Glass Removal And Preparing Opening For New Glazing, Add	85.99	
08 88 53 00-0017 SF 1.18" Ballistic Resistant Glass/Poly, Level 3, 11.5 LB/SF	205.27	39.09
For Glass Removal And Preparing Opening For New Glazing, Add	97.71	
08 88 53 00-0018 Ballistic Resistant Acrylic <small>(08 88 53)</small>		
08 88 53 00-0019 SF 1.25" Ballistic Resistant Acrylic Glass, Level 1, 7.7 LB/SF	231.90	29.32
For Glass Removal And Preparing Opening For New Glazing, Add	74.27	
08 88 53 00-0020 SF 1.378" Ballistic Resistant Acrylic Glass, Level 2, 8.5 LB/SF	271.44	34.20
For Glass Removal And Preparing Opening For New Glazing, Add	85.99	
08 88 53 00-0021 SF 1.25" Ballistic Resistant Acrylic Glass, Level 3, 7.5 LB/SF	357.34	39.09
For Glass Removal And Preparing Opening For New Glazing, Add	97.71	
08 88 53 00-0022 Ballistic Resistant Fiberglass <small>(08 88 53)</small>		
08 88 53 00-0023 SF 5/16" Ballistic Resistant Fiberglass, Level 1, 3.2 LB/SF	63.46	18.57
For Glass Removal And Preparing Opening For New Glazing, Add	37.13	
08 88 53 00-0024 SF 3/8" Ballistic Resistant Fiberglass, Level 2, 3.5 LB/SF	74.77	21.50
For Glass Removal And Preparing Opening For New Glazing, Add	43.00	
08 88 53 00-0025 SF 7/16" Ballistic Resistant Fiberglass, Level 3, 4.5 LB/SF	84.84	24.43
For Glass Removal And Preparing Opening For New Glazing, Add	48.86	
08 88 53 00-0026 Forced Entry And/Or Ballistic Resistant Polycarbonate <small>(08 88 53)</small>		
08 88 53 00-0027 Forced Entry Resistant Monolithic Polycarbonate <small>(08 88 53 00-0026)</small> Note: GE-Lexan MR10.		



Openings	08	
Glazing	08 80	08
Special Function Glazing	08 88	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 88 53 00-0028	SF		1/2" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level 1 or ASTM F1233, Class II (Step 5). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	88.90 59.22	44.37
08 88 53 00-0029			Forced Entry Resistant Glass Clad Polycarbonate Laminate (08 88 53 00-0026) Note: Chemically strengthened clear glass laminated to each side of a polycarbonate core. GE-Insulgard.		
08 88 53 00-0030	SF		9/16" Overall Nominal Thickness, H.P. White TP-0500.01, Level 1 <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	109.93 73.29	29.31
08 88 53 00-0031			Forced Entry Resistant Polycarbonate Laminate (08 88 53 00-0026) Note: GE-Lexgard MPC-500.		
08 88 53 00-0032	SF		1/2" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level II (Step 12) Or ASTM 1233 Class III (Step 15). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	131.06 78.17	56.27
08 88 53 00-0033			Fire Resistant, Forced Entry Resistant Polycarbonate Laminate (08 88 53 00-0026) Note: Wire glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Firegard.		
08 88 53 00-0034	SF		7/8" Overall Nominal Thickness, H.P. White TP-0500.01, Level I Note: UL-9 Fire Resistant. <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	142.74 83.05	34.72
08 88 53 00-0035			Insulated, Forced Entry Resistant Polycarbonate Laminate (08 88 53 00-0026) Note: Glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Insulgard.		
08 88 53 00-0036	SF		1-5/16" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level I (1/4" tempered float glass, 1/2" airspace). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	123.03 73.29	29.31
08 88 53 00-0037			Ballistic And Forced Entry Resistant Polycarbonate Laminate (08 88 53 00-0026)		
08 88 53 00-0038	SF		1" Nominal Thickness, Ballistic Or Forced Entry Resistant..... Note: 1" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (step 42) or ASTM 1233 class V (Step 40) ballistic resistance: UL 752, level 2-high powered small arms (.357 Magnum handgun). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	281.50 162.21	65.27
08 88 53 00-0039	SF		1-1/4" Nominal Thickness, Ballistic Or Forced Entry Resistant..... Note: 1 1/4" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (Step 42) or ASTM 1233 class V (step 40) ballistic resistance: UL 752, level 3-super high powered small arms (.44 Magnum handgun). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	284.32 162.21	65.27
08 88 53 00-0040			Ballistic Resistant Glass Clad Polycarbonate Laminate (08 88 53 00-0026) Note: Chemically strengthened clear glass laminated to attack side of a polycarbonate core.		
08 88 53 00-0041	SF		1-5/16" Overall Nominal Thickness, Ballistic Resistant Note: UL 752, Level 4 - Super High Powered Rifle (.30-06 Rifle), (GE-Armor-Gard). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	187.87 109.45	41.37

08 90 Louvers And Vents (08)

08 91 Louvers (08 90)

08 91 13 Motorized Wall Louvers (08 91)

08 91 13 00-0001			Motorized Wall Louver Actuator (08 91 13) See CSI section 08 91 16 00-0001 for adjustable intake wall louvers.		
08 91 13 00-0002	EA		115 Volt Actuator For Adjustable Intake Louver.....	1,257.31	87.74
08 91 13 00-0003	EA		230 Volt Actuator For Adjustable Intake Louver.....	1,895.84	87.74
08 91 13 00-0004	EA		24 Volt Actuator For Adjustable Intake Louver.....	1,348.33	87.74
08 91 13 00-0005	EA		115 Volt Hazardous Location Actuator For Adjustable Intake Louver.....	5,096.32	87.74

08 91 16 Operable Wall Louvers (08 91)

08 91 16 00-0001			Adjustable Intake Wall Louvers (08 91 16) See CSI section 08 91 16 00-0137 for adjustable intake wall louver operators.		
08 91 16 00-0002	EA		12" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	338.70	23.22
			<i>For Flange Frame, Add</i>	29.23	
			<i>For Clear Lacquer Finish, Add</i>	58.45	
			<i>For Baked Enamel Standard Colors, Add</i>	87.68	
			<i>For Anodized Finish, Add</i>	116.90	
			<i>For Kynar™ Standard Colors Finish, Add</i>	160.74	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0003 EA 12" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	422.97	28.39
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	36.62	
For Clear Lacquer Finish, Add	73.24	
For Baked Enamel Standard Colors, Add	109.86	
For Anodized Finish, Add	146.48	
For Kynar™ Standard Colors Finish, Add	201.41	
08 91 16 00-0004 EA 12" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	500.14	33.55
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	43.30	
For Clear Lacquer Finish, Add	86.61	
For Baked Enamel Standard Colors, Add	129.91	
For Anodized Finish, Add	173.22	
For Kynar™ Standard Colors Finish, Add	238.17	
08 91 16 00-0005 EA 12" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	585.12	38.71
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	50.77	
For Clear Lacquer Finish, Add	101.54	
For Baked Enamel Standard Colors, Add	152.31	
For Anodized Finish, Add	203.08	
For Kynar™ Standard Colors Finish, Add	279.24	
08 91 16 00-0006 EA 12" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	659.43	43.87
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	57.17	
For Clear Lacquer Finish, Add	114.34	
For Baked Enamel Standard Colors, Add	171.51	
For Anodized Finish, Add	228.68	
For Kynar™ Standard Colors Finish, Add	314.43	
08 91 16 00-0007 EA 12" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	777.12	49.03
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	67.91	
For Clear Lacquer Finish, Add	135.81	
For Baked Enamel Standard Colors, Add	203.72	
For Anodized Finish, Add	271.62	
For Kynar™ Standard Colors Finish, Add	373.48	
08 91 16 00-0008 EA 12" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	884.87	54.19
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	77.65	
For Clear Lacquer Finish, Add	155.30	
For Baked Enamel Standard Colors, Add	232.94	
For Anodized Finish, Add	310.59	
For Kynar™ Standard Colors Finish, Add	427.06	
08 91 16 00-0009 EA 12" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	983.54	61.94
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	85.97	
For Clear Lacquer Finish, Add	171.93	
For Baked Enamel Standard Colors, Add	257.90	
For Anodized Finish, Add	343.87	
For Kynar™ Standard Colors Finish, Add	472.82	
08 91 16 00-0010 EA 12" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	1,050.04	67.10
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	91.59	
For Clear Lacquer Finish, Add	183.17	
For Baked Enamel Standard Colors, Add	274.76	
For Anodized Finish, Add	366.34	
For Kynar™ Standard Colors Finish, Add	503.72	
08 91 16 00-0011 EA 12" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	1,132.89	72.25
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	98.84	
For Clear Lacquer Finish, Add	197.67	
For Baked Enamel Standard Colors, Add	296.51	
For Anodized Finish, Add	395.35	
For Kynar™ Standard Colors Finish, Add	543.60	
08 91 16 00-0012 EA 12" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	1,205.78	77.42
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	105.10	
For Clear Lacquer Finish, Add	210.19	
For Baked Enamel Standard Colors, Add	315.29	
For Anodized Finish, Add	420.38	
For Kynar™ Standard Colors Finish, Add	578.02	
08 91 16 00-0013 EA 12" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	1,298.59	82.58
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	113.34	
For Clear Lacquer Finish, Add	226.69	
For Baked Enamel Standard Colors, Add	340.03	
For Anodized Finish, Add	453.37	
For Kynar™ Standard Colors Finish, Add	623.39	
08 91 16 00-0014 EA 12" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	1,387.84	87.74
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	121.24	
For Clear Lacquer Finish, Add	242.47	
For Baked Enamel Standard Colors, Add	363.71	
For Anodized Finish, Add	484.94	
For Kynar™ Standard Colors Finish, Add	666.80	



Openings	08
Louvers And Vents	08 90
Louvers	08 91

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	16 00-0015	EA	12" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,499.31	95.49
			<i>For Flange Frame, Add</i>	130.84	
			<i>For Clear Lacquer Finish, Add</i>	261.67	
			<i>For Baked Enamel Standard Colors, Add</i>	392.51	
			<i>For Anodized Finish, Add</i>	523.34	
			<i>For Kynar™ Standard Colors Finish, Add</i>	719.59	
08 91	16 00-0016	EA	12" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,582.35	103.23
			<i>For Flange Frame, Add</i>	137.59	
			<i>For Clear Lacquer Finish, Add</i>	275.18	
			<i>For Baked Enamel Standard Colors, Add</i>	412.77	
			<i>For Anodized Finish, Add</i>	550.36	
			<i>For Kynar™ Standard Colors Finish, Add</i>	756.75	
08 91	16 00-0017	EA	18" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	381.01	28.39
			<i>For Flange Frame, Add</i>	32.42	
			<i>For Clear Lacquer Finish, Add</i>	64.85	
			<i>For Baked Enamel Standard Colors, Add</i>	97.27	
			<i>For Anodized Finish, Add</i>	129.70	
			<i>For Kynar™ Standard Colors Finish, Add</i>	178.33	
08 91	16 00-0018	EA	18" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	481.11	36.13
			<i>For Flange Frame, Add</i>	40.89	
			<i>For Clear Lacquer Finish, Add</i>	81.77	
			<i>For Baked Enamel Standard Colors, Add</i>	122.66	
			<i>For Anodized Finish, Add</i>	163.54	
			<i>For Kynar™ Standard Colors Finish, Add</i>	224.87	
08 91	16 00-0019	EA	18" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	563.97	41.29
			<i>For Flange Frame, Add</i>	48.14	
			<i>For Clear Lacquer Finish, Add</i>	96.28	
			<i>For Baked Enamel Standard Colors, Add</i>	144.42	
			<i>For Anodized Finish, Add</i>	192.56	
			<i>For Kynar™ Standard Colors Finish, Add</i>	264.76	
08 91	16 00-0020	EA	18" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	701.94	51.61
			<i>For Flange Frame, Add</i>	59.87	
			<i>For Clear Lacquer Finish, Add</i>	119.74	
			<i>For Baked Enamel Standard Colors, Add</i>	179.61	
			<i>For Anodized Finish, Add</i>	239.48	
			<i>For Kynar™ Standard Colors Finish, Add</i>	329.29	
08 91	16 00-0021	EA	18" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	797.58	56.77
			<i>For Flange Frame, Add</i>	68.40	
			<i>For Clear Lacquer Finish, Add</i>	136.81	
			<i>For Baked Enamel Standard Colors, Add</i>	205.21	
			<i>For Anodized Finish, Add</i>	273.62	
			<i>For Kynar™ Standard Colors Finish, Add</i>	376.22	
08 91	16 00-0022	EA	18" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	893.24	61.94
			<i>For Flange Frame, Add</i>	76.94	
			<i>For Clear Lacquer Finish, Add</i>	153.87	
			<i>For Baked Enamel Standard Colors, Add</i>	230.81	
			<i>For Anodized Finish, Add</i>	307.75	
			<i>For Kynar™ Standard Colors Finish, Add</i>	423.15	
08 91	16 00-0023	EA	18" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,007.37	67.10
			<i>For Flange Frame, Add</i>	87.32	
			<i>For Clear Lacquer Finish, Add</i>	174.64	
			<i>For Baked Enamel Standard Colors, Add</i>	261.95	
			<i>For Anodized Finish, Add</i>	349.27	
			<i>For Kynar™ Standard Colors Finish, Add</i>	480.25	
08 91	16 00-0024	EA	18" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,117.43	74.84
			<i>For Flange Frame, Add</i>	96.78	
			<i>For Clear Lacquer Finish, Add</i>	193.55	
			<i>For Baked Enamel Standard Colors, Add</i>	290.33	
			<i>For Anodized Finish, Add</i>	387.10	
			<i>For Kynar™ Standard Colors Finish, Add</i>	532.26	
08 91	16 00-0025	EA	18" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,206.15	82.58
			<i>For Flange Frame, Add</i>	104.10	
			<i>For Clear Lacquer Finish, Add</i>	208.20	
			<i>For Baked Enamel Standard Colors, Add</i>	312.30	
			<i>For Anodized Finish, Add</i>	416.40	
			<i>For Kynar™ Standard Colors Finish, Add</i>	572.54	
08 91	16 00-0026	EA	18" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,290.42	87.74
			<i>For Flange Frame, Add</i>	111.49	
			<i>For Clear Lacquer Finish, Add</i>	222.99	
			<i>For Baked Enamel Standard Colors, Add</i>	334.48	
			<i>For Anodized Finish, Add</i>	445.98	
			<i>For Kynar™ Standard Colors Finish, Add</i>	613.22	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0027 EA 18" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	1,369.72	92.90
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	118.39	
For Clear Lacquer Finish, Add	236.78	
For Baked Enamel Standard Colors, Add	355.17	
For Anodized Finish, Add	473.56	
For Kynar™ Standard Colors Finish, Add	651.15	
08 91 16 00-0028 EA 18" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	1,471.76	98.06
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	127.56	
For Clear Lacquer Finish, Add	255.13	
For Baked Enamel Standard Colors, Add	382.69	
For Anodized Finish, Add	510.26	
For Kynar™ Standard Colors Finish, Add	701.60	
08 91 16 00-0029 EA 18" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	1,570.26	103.23
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	136.38	
For Clear Lacquer Finish, Add	272.76	
For Baked Enamel Standard Colors, Add	409.14	
For Anodized Finish, Add	545.52	
For Kynar™ Standard Colors Finish, Add	750.10	
08 91 16 00-0030 EA 18" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	1,690.98	110.97
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	146.91	
For Clear Lacquer Finish, Add	293.81	
For Baked Enamel Standard Colors, Add	440.72	
For Anodized Finish, Add	587.62	
For Kynar™ Standard Colors Finish, Add	807.98	
08 91 16 00-0031 EA 18" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	1,783.25	118.71
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	154.58	
For Clear Lacquer Finish, Add	309.17	
For Baked Enamel Standard Colors, Add	463.75	
For Anodized Finish, Add	618.34	
For Kynar™ Standard Colors Finish, Add	850.21	
08 91 16 00-0032 EA 24" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	426.90	33.55
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	35.98	
For Clear Lacquer Finish, Add	71.96	
For Baked Enamel Standard Colors, Add	107.94	
For Anodized Finish, Add	143.92	
For Kynar™ Standard Colors Finish, Add	197.89	
08 91 16 00-0033 EA 24" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	541.21	41.29
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	45.86	
For Clear Lacquer Finish, Add	91.73	
For Baked Enamel Standard Colors, Add	137.59	
For Anodized Finish, Add	183.45	
For Kynar™ Standard Colors Finish, Add	252.25	
08 91 16 00-0034 EA 24" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	669.75	49.03
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	57.17	
For Clear Lacquer Finish, Add	114.34	
For Baked Enamel Standard Colors, Add	171.51	
For Anodized Finish, Add	228.68	
For Kynar™ Standard Colors Finish, Add	314.43	
08 91 16 00-0035 EA 24" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	790.66	59.36
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	67.20	
For Clear Lacquer Finish, Add	134.39	
For Baked Enamel Standard Colors, Add	201.59	
For Anodized Finish, Add	268.78	
For Kynar™ Standard Colors Finish, Add	369.57	
08 91 16 00-0036 EA 24" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	895.55	64.51
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	76.65	
For Clear Lacquer Finish, Add	153.30	
For Baked Enamel Standard Colors, Add	229.96	
For Anodized Finish, Add	306.61	
For Kynar™ Standard Colors Finish, Add	421.59	
08 91 16 00-0037 EA 24" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,006.13	69.68
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	86.68	
For Clear Lacquer Finish, Add	173.36	
For Baked Enamel Standard Colors, Add	260.03	
For Anodized Finish, Add	346.71	
For Kynar™ Standard Colors Finish, Add	476.73	
08 91 16 00-0038 EA 24" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,143.20	77.42
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	98.84	
For Clear Lacquer Finish, Add	197.67	
For Baked Enamel Standard Colors, Add	296.51	
For Anodized Finish, Add	395.35	
For Kynar™ Standard Colors Finish, Add	543.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0039 EA 24" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,260.56	87.74
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	108.51	
For Clear Lacquer Finish, Add	217.02	
For Baked Enamel Standard Colors, Add	325.52	
For Anodized Finish, Add	434.03	
For Kynar™ Standard Colors Finish, Add	596.79	
08 91 16 00-0040 EA 24" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	1,350.53	92.90
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	116.47	
For Clear Lacquer Finish, Add	232.94	
For Baked Enamel Standard Colors, Add	349.42	
For Anodized Finish, Add	465.89	
For Kynar™ Standard Colors Finish, Add	640.60	
08 91 16 00-0041 EA 24" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	1,450.81	103.23
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	124.44	
For Clear Lacquer Finish, Add	248.87	
For Baked Enamel Standard Colors, Add	373.31	
For Anodized Finish, Add	497.74	
For Kynar™ Standard Colors Finish, Add	684.40	
08 91 16 00-0042 EA 24" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	1,542.19	108.39
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	132.54	
For Clear Lacquer Finish, Add	265.08	
For Baked Enamel Standard Colors, Add	397.63	
For Anodized Finish, Add	530.17	
For Kynar™ Standard Colors Finish, Add	728.98	
08 91 16 00-0043 EA 24" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	1,665.57	113.54
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	143.85	
For Clear Lacquer Finish, Add	287.69	
For Baked Enamel Standard Colors, Add	431.54	
For Anodized Finish, Add	575.39	
For Kynar™ Standard Colors Finish, Add	791.16	
08 91 16 00-0044 EA 24" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	1,770.46	118.71
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	153.31	
For Clear Lacquer Finish, Add	306.61	
For Baked Enamel Standard Colors, Add	459.92	
For Anodized Finish, Add	613.22	
For Kynar™ Standard Colors Finish, Add	843.18	
08 91 16 00-0045 EA 24" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	1,903.27	126.45
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	165.04	
For Clear Lacquer Finish, Add	330.07	
For Baked Enamel Standard Colors, Add	495.11	
For Anodized Finish, Add	660.15	
For Kynar™ Standard Colors Finish, Add	907.70	
08 91 16 00-0046 EA 24" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	2,001.95	134.19
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	173.36	
For Clear Lacquer Finish, Add	346.71	
For Baked Enamel Standard Colors, Add	520.07	
For Anodized Finish, Add	693.42	
For Kynar™ Standard Colors Finish, Add	953.46	
08 91 16 00-0047 EA 30" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	476.32	38.71
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	39.89	
For Clear Lacquer Finish, Add	79.78	
For Baked Enamel Standard Colors, Add	119.67	
For Anodized Finish, Add	159.56	
For Kynar™ Standard Colors Finish, Add	219.40	
08 91 16 00-0048 EA 30" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	634.39	51.61
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	53.12	
For Clear Lacquer Finish, Add	106.23	
For Baked Enamel Standard Colors, Add	159.35	
For Anodized Finish, Add	212.46	
For Kynar™ Standard Colors Finish, Add	292.14	
08 91 16 00-0049 EA 30" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	752.26	59.36
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	63.36	
For Clear Lacquer Finish, Add	126.71	
For Baked Enamel Standard Colors, Add	190.07	
For Anodized Finish, Add	253.42	
For Kynar™ Standard Colors Finish, Add	348.45	
08 91 16 00-0050 EA 30" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	880.80	67.10
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	74.66	
For Clear Lacquer Finish, Add	149.32	
For Baked Enamel Standard Colors, Add	223.98	
For Anodized Finish, Add	298.64	
For Kynar™ Standard Colors Finish, Add	410.64	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0051	EA	30" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	994.95	72.25
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	85.04	
		<i>For Clear Lacquer Finish, Add</i>	170.09	
		<i>For Baked Enamel Standard Colors, Add</i>	255.13	
		<i>For Anodized Finish, Add</i>	340.17	
		<i>For Kynar™ Standard Colors Finish, Add</i>	467.74	
08 91 16 00-0052	EA	30" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,114.24	79.99
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	95.42	
		<i>For Clear Lacquer Finish, Add</i>	190.85	
		<i>For Baked Enamel Standard Colors, Add</i>	286.27	
		<i>For Anodized Finish, Add</i>	381.70	
		<i>For Kynar™ Standard Colors Finish, Add</i>	524.83	
08 91 16 00-0053	EA	30" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,255.40	85.16
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	108.51	
		<i>For Clear Lacquer Finish, Add</i>	217.02	
		<i>For Baked Enamel Standard Colors, Add</i>	325.52	
		<i>For Anodized Finish, Add</i>	434.03	
		<i>For Kynar™ Standard Colors Finish, Add</i>	596.79	
08 91 16 00-0054	EA	30" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,377.55	92.90
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	119.17	
		<i>For Clear Lacquer Finish, Add</i>	238.35	
		<i>For Baked Enamel Standard Colors, Add</i>	357.52	
		<i>For Anodized Finish, Add</i>	476.70	
		<i>For Kynar™ Standard Colors Finish, Add</i>	655.46	
08 91 16 00-0055	EA	30" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	1,477.45	98.06
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	128.13	
		<i>For Clear Lacquer Finish, Add</i>	256.27	
		<i>For Baked Enamel Standard Colors, Add</i>	384.40	
		<i>For Anodized Finish, Add</i>	512.53	
		<i>For Kynar™ Standard Colors Finish, Add</i>	704.73	
08 91 16 00-0056	EA	30" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	1,589.12	108.39
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	137.24	
		<i>For Clear Lacquer Finish, Add</i>	274.47	
		<i>For Baked Enamel Standard Colors, Add</i>	411.71	
		<i>For Anodized Finish, Add</i>	548.94	
		<i>For Kynar™ Standard Colors Finish, Add</i>	754.79	
08 91 16 00-0057	EA	30" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	1,694.90	116.13
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	146.27	
		<i>For Clear Lacquer Finish, Add</i>	292.53	
		<i>For Baked Enamel Standard Colors, Add</i>	438.80	
		<i>For Anodized Finish, Add</i>	585.06	
		<i>For Kynar™ Standard Colors Finish, Add</i>	804.46	
08 91 16 00-0058	EA	30" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	1,826.11	121.28
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	158.35	
		<i>For Clear Lacquer Finish, Add</i>	316.71	
		<i>For Baked Enamel Standard Colors, Add</i>	475.06	
		<i>For Anodized Finish, Add</i>	633.41	
		<i>For Kynar™ Standard Colors Finish, Add</i>	870.94	
08 91 16 00-0059	EA	30" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	1,940.25	126.45
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	168.74	
		<i>For Clear Lacquer Finish, Add</i>	337.47	
		<i>For Baked Enamel Standard Colors, Add</i>	506.21	
		<i>For Anodized Finish, Add</i>	674.94	
		<i>For Kynar™ Standard Colors Finish, Add</i>	928.04	
08 91 16 00-0060	EA	30" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	2,079.46	134.19
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	181.11	
		<i>For Clear Lacquer Finish, Add</i>	362.21	
		<i>For Baked Enamel Standard Colors, Add</i>	543.32	
		<i>For Anodized Finish, Add</i>	724.43	
		<i>For Kynar™ Standard Colors Finish, Add</i>	996.09	
08 91 16 00-0061	EA	30" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	2,190.93	141.93
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	190.71	
		<i>For Clear Lacquer Finish, Add</i>	381.41	
		<i>For Baked Enamel Standard Colors, Add</i>	572.12	
		<i>For Anodized Finish, Add</i>	762.82	
		<i>For Kynar™ Standard Colors Finish, Add</i>	1,048.88	
08 91 16 00-0062	EA	36" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	522.20	43.87
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	43.45	
		<i>For Clear Lacquer Finish, Add</i>	86.89	
		<i>For Baked Enamel Standard Colors, Add</i>	130.34	
		<i>For Anodized Finish, Add</i>	173.78	
		<i>For Kynar™ Standard Colors Finish, Add</i>	238.95	



Openings 08
Louvers And Vents 08 90
Louvers 08 91

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0063	EA		36" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	705.85 59.23 118.46 177.69 236.92 325.77	56.77
08 91 16 00-0064	EA		36" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	824.45 69.54 139.08 208.63 278.17 382.48	64.51
08 91 16 00-0065	EA		36" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	965.08 82.06 164.11 246.17 328.22 451.31	72.25
08 91 16 00-0066	EA		36" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,094.79 93.79 187.58 281.37 375.16 515.84	78.45
08 91 16 00-0067	EA		36" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,217.00 104.67 209.34 314.00 418.67 575.67	85.16
08 91 16 00-0068	EA		36" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,374.51 119.39 238.77 358.16 477.55 656.63	90.32
08 91 16 00-0069	EA		36" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,511.58 131.55 263.09 394.64 526.18 723.50	98.06
08 91 16 00-0070	EA		36" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,623.78 141.22 282.43 423.65 564.87 776.69	105.80
08 91 16 00-0071	EA		36" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,738.81 151.17 302.34 453.51 604.68 831.44	113.54
08 91 16 00-0072	EA		36" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,857.40 161.48 322.96 484.45 645.93 888.15	121.28
08 91 16 00-0073	EA		36" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	2,000.69 174.78 349.56 524.34 699.12 961.28	126.45
08 91 16 00-0074	EA		36" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	2,123.35 186.01 372.03 558.04 744.05 1,023.07	131.61

08	08	Openings
	08 90	Louvers And Vents
	08 91	Louvers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0075 EA 36" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	2,280.34	139.35
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	200.16	
<i>For Clear Lacquer Finish, Add</i>	400.33	
<i>For Baked Enamel Standard Colors, Add</i>	600.49	
<i>For Anodized Finish, Add</i>	800.65	
<i>For Kynar™ Standard Colors Finish, Add</i>	1,100.90	
08 91 16 00-0076 EA 36" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum	2,398.22	147.09
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	210.40	
<i>For Clear Lacquer Finish, Add</i>	420.81	
<i>For Baked Enamel Standard Colors, Add</i>	631.21	
<i>For Anodized Finish, Add</i>	841.61	
<i>For Kynar™ Standard Colors Finish, Add</i>	1,157.22	
08 91 16 00-0077 EA 42" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	597.22	49.03
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	49.92	
<i>For Clear Lacquer Finish, Add</i>	99.83	
<i>For Baked Enamel Standard Colors, Add</i>	149.75	
<i>For Anodized Finish, Add</i>	199.66	
<i>For Kynar™ Standard Colors Finish, Add</i>	274.54	
08 91 16 00-0078 EA 42" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	761.69	61.94
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	63.78	
<i>For Clear Lacquer Finish, Add</i>	127.56	
<i>For Baked Enamel Standard Colors, Add</i>	191.35	
<i>For Anodized Finish, Add</i>	255.13	
<i>For Kynar™ Standard Colors Finish, Add</i>	350.80	
08 91 16 00-0079 EA 42" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum	893.07	69.68
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	75.37	
<i>For Clear Lacquer Finish, Add</i>	150.74	
<i>For Baked Enamel Standard Colors, Add</i>	226.12	
<i>For Anodized Finish, Add</i>	301.49	
<i>For Kynar™ Standard Colors Finish, Add</i>	414.55	
08 91 16 00-0080 EA 42" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum	1,043.85	79.99
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	88.39	
<i>For Clear Lacquer Finish, Add</i>	176.77	
<i>For Baked Enamel Standard Colors, Add</i>	265.16	
<i>For Anodized Finish, Add</i>	353.54	
<i>For Kynar™ Standard Colors Finish, Add</i>	486.12	
08 91 16 00-0081 EA 42" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum	1,181.45	85.16
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	101.11	
<i>For Clear Lacquer Finish, Add</i>	202.23	
<i>For Baked Enamel Standard Colors, Add</i>	303.34	
<i>For Anodized Finish, Add</i>	404.45	
<i>For Kynar™ Standard Colors Finish, Add</i>	556.12	
08 91 16 00-0082 EA 42" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	1,311.94	90.32
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	113.13	
<i>For Clear Lacquer Finish, Add</i>	226.26	
<i>For Baked Enamel Standard Colors, Add</i>	339.39	
<i>For Anodized Finish, Add</i>	452.52	
<i>For Kynar™ Standard Colors Finish, Add</i>	622.22	
08 91 16 00-0083 EA 42" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	1,482.96	95.49
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	129.20	
<i>For Clear Lacquer Finish, Add</i>	258.40	
<i>For Baked Enamel Standard Colors, Add</i>	387.60	
<i>For Anodized Finish, Add</i>	516.80	
<i>For Kynar™ Standard Colors Finish, Add</i>	710.60	
08 91 16 00-0084 EA 42" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	1,622.17	103.23
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	141.57	
<i>For Clear Lacquer Finish, Add</i>	283.14	
<i>For Baked Enamel Standard Colors, Add</i>	424.72	
<i>For Anodized Finish, Add</i>	566.29	
<i>For Kynar™ Standard Colors Finish, Add</i>	778.65	
08 91 16 00-0085 EA 42" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	1,747.86	110.97
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	152.59	
<i>For Clear Lacquer Finish, Add</i>	305.19	
<i>For Baked Enamel Standard Colors, Add</i>	457.78	
<i>For Anodized Finish, Add</i>	610.37	
<i>For Kynar™ Standard Colors Finish, Add</i>	839.26	
08 91 16 00-0086 EA 42" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	1,865.74	118.71
Note: Includes bird screen. Excludes actuator.		
<i>For Flange Frame, Add</i>	162.83	
<i>For Clear Lacquer Finish, Add</i>	325.67	
<i>For Baked Enamel Standard Colors, Add</i>	488.50	
<i>For Anodized Finish, Add</i>	651.33	
<i>For Kynar™ Standard Colors Finish, Add</i>	895.58	

08 Openings
08 90 Louvers And Vents
08 91 Louvers



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0099	EA	48" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,758.53	110.97
		For Flange Frame, Add	153.66	
		For Clear Lacquer Finish, Add	307.32	
		For Baked Enamel Standard Colors, Add	460.98	
		For Anodized Finish, Add	614.64	
		For Kynar™ Standard Colors Finish, Add	845.13	
08 91 16 00-0100	EA	48" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,890.62	118.71
		For Flange Frame, Add	165.32	
		For Clear Lacquer Finish, Add	330.64	
		For Baked Enamel Standard Colors, Add	495.96	
		For Anodized Finish, Add	661.28	
		For Kynar™ Standard Colors Finish, Add	909.27	
08 91 16 00-0101	EA	48" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,024.86	126.45
		For Flange Frame, Add	177.20	
		For Clear Lacquer Finish, Add	354.39	
		For Baked Enamel Standard Colors, Add	531.59	
		For Anodized Finish, Add	708.78	
		For Kynar™ Standard Colors Finish, Add	974.58	
08 91 16 00-0102	EA	48" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,156.25	134.19
		For Flange Frame, Add	188.79	
		For Clear Lacquer Finish, Add	377.57	
		For Baked Enamel Standard Colors, Add	566.36	
		For Anodized Finish, Add	755.14	
		For Kynar™ Standard Colors Finish, Add	1,038.32	
08 91 16 00-0103	EA	48" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,330.12	139.35
		For Flange Frame, Add	205.14	
		For Clear Lacquer Finish, Add	410.28	
		For Baked Enamel Standard Colors, Add	615.42	
		For Anodized Finish, Add	820.56	
		For Kynar™ Standard Colors Finish, Add	1,128.28	
08 91 16 00-0104	EA	48" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,474.83	144.52
		For Flange Frame, Add	218.58	
		For Clear Lacquer Finish, Add	437.16	
		For Baked Enamel Standard Colors, Add	655.74	
		For Anodized Finish, Add	874.32	
		For Kynar™ Standard Colors Finish, Add	1,202.19	
08 91 16 00-0105	EA	48" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,652.96	149.68
		For Flange Frame, Add	235.36	
		For Clear Lacquer Finish, Add	470.72	
		For Baked Enamel Standard Colors, Add	706.08	
		For Anodized Finish, Add	941.44	
		For Kynar™ Standard Colors Finish, Add	1,294.49	
08 91 16 00-0106	EA	48" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,787.90	157.42
		For Flange Frame, Add	247.31	
		For Clear Lacquer Finish, Add	494.61	
		For Baked Enamel Standard Colors, Add	741.92	
		For Anodized Finish, Add	989.23	
		For Kynar™ Standard Colors Finish, Add	1,360.19	
08 91 16 00-0107	EA	54" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	750.31	61.94
		For Flange Frame, Add	62.64	
		For Clear Lacquer Finish, Add	125.29	
		For Baked Enamel Standard Colors, Add	187.93	
		For Anodized Finish, Add	250.58	
		For Kynar™ Standard Colors Finish, Add	344.54	
08 91 16 00-0108	EA	54" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	960.29	74.84
		For Flange Frame, Add	81.06	
		For Clear Lacquer Finish, Add	162.12	
		For Baked Enamel Standard Colors, Add	243.18	
		For Anodized Finish, Add	324.24	
		For Kynar™ Standard Colors Finish, Add	445.84	
08 91 16 00-0109	EA	54" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,125.46	87.74
		For Flange Frame, Add	95.00	
		For Clear Lacquer Finish, Add	190.00	
		For Baked Enamel Standard Colors, Add	284.99	
		For Anodized Finish, Add	379.99	
		For Kynar™ Standard Colors Finish, Add	522.49	
08 91 16 00-0110	EA	54" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,290.09	92.90
		For Flange Frame, Add	110.43	
		For Clear Lacquer Finish, Add	220.86	
		For Baked Enamel Standard Colors, Add	331.28	
		For Anodized Finish, Add	441.71	
		For Kynar™ Standard Colors Finish, Add	607.35	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0111	EA		54" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,468.92	98.06
			<i>For Flange Frame, Add</i>	127.28	
			<i>For Clear Lacquer Finish, Add</i>	254.56	
			<i>For Baked Enamel Standard Colors, Add</i>	381.84	
			<i>For Anodized Finish, Add</i>	509.12	
			<i>For Kynar™ Standard Colors Finish, Add</i>	700.04	
08 91 16 00-0112	EA		54" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,629.28	103.23
			<i>For Flange Frame, Add</i>	142.28	
			<i>For Clear Lacquer Finish, Add</i>	284.57	
			<i>For Baked Enamel Standard Colors, Add</i>	426.85	
			<i>For Anodized Finish, Add</i>	569.13	
			<i>For Kynar™ Standard Colors Finish, Add</i>	782.56	
08 91 16 00-0113	EA		54" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,841.72	110.97
			<i>For Flange Frame, Add</i>	161.98	
			<i>For Clear Lacquer Finish, Add</i>	323.96	
			<i>For Baked Enamel Standard Colors, Add</i>	485.94	
			<i>For Anodized Finish, Add</i>	647.92	
			<i>For Kynar™ Standard Colors Finish, Add</i>	890.88	
08 91 16 00-0114	EA		54" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	2,048.48	118.71
			<i>For Flange Frame, Add</i>	181.11	
			<i>For Clear Lacquer Finish, Add</i>	362.21	
			<i>For Baked Enamel Standard Colors, Add</i>	543.32	
			<i>For Anodized Finish, Add</i>	724.43	
			<i>For Kynar™ Standard Colors Finish, Add</i>	996.09	
08 91 16 00-0115	EA		54" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	2,204.05	126.45
			<i>For Flange Frame, Add</i>	195.12	
			<i>For Clear Lacquer Finish, Add</i>	390.23	
			<i>For Baked Enamel Standard Colors, Add</i>	585.35	
			<i>For Anodized Finish, Add</i>	780.46	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,073.13	
08 91 16 00-0116	EA		54" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	2,357.48	134.19
			<i>For Flange Frame, Add</i>	208.91	
			<i>For Clear Lacquer Finish, Add</i>	417.82	
			<i>For Baked Enamel Standard Colors, Add</i>	626.73	
			<i>For Anodized Finish, Add</i>	835.64	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,149.00	
08 91 16 00-0117	EA		54" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	2,504.33	139.35
			<i>For Flange Frame, Add</i>	222.56	
			<i>For Clear Lacquer Finish, Add</i>	445.12	
			<i>For Baked Enamel Standard Colors, Add</i>	667.69	
			<i>For Anodized Finish, Add</i>	890.25	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,224.09	
08 91 16 00-0118	EA		54" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	2,698.10	144.52
			<i>For Flange Frame, Add</i>	240.91	
			<i>For Clear Lacquer Finish, Add</i>	481.81	
			<i>For Baked Enamel Standard Colors, Add</i>	722.72	
			<i>For Anodized Finish, Add</i>	963.63	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,324.99	
08 91 16 00-0119	EA		54" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	2,859.88	149.68
			<i>For Flange Frame, Add</i>	256.05	
			<i>For Clear Lacquer Finish, Add</i>	512.11	
			<i>For Baked Enamel Standard Colors, Add</i>	768.16	
			<i>For Anodized Finish, Add</i>	1,024.21	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,408.29	
08 91 16 00-0120	EA		54" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	3,067.88	154.83
			<i>For Flange Frame, Add</i>	275.82	
			<i>For Clear Lacquer Finish, Add</i>	551.64	
			<i>For Baked Enamel Standard Colors, Add</i>	827.46	
			<i>For Anodized Finish, Add</i>	1,103.28	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,517.01	
08 91 16 00-0121	EA		54" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	3,224.86	162.57
			<i>For Flange Frame, Add</i>	289.97	
			<i>For Clear Lacquer Finish, Add</i>	579.94	
			<i>For Baked Enamel Standard Colors, Add</i>	869.91	
			<i>For Anodized Finish, Add</i>	1,159.88	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,594.84	
08 91 16 00-0122	EA		60" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	796.90	67.10
			<i>For Flange Frame, Add</i>	66.27	
			<i>For Clear Lacquer Finish, Add</i>	132.54	
			<i>For Baked Enamel Standard Colors, Add</i>	198.81	
			<i>For Anodized Finish, Add</i>	265.08	
			<i>For Kynar™ Standard Colors Finish, Add</i>	364.49	

08 Openings
08 90 Louvers And Vents
08 91 Louvers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	16 00-0123	EA	60" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,024.83 85.97 171.93 257.90 343.87 472.82	82.58
08 91	16 00-0124	EA	60" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,192.67 100.69 201.37 302.06 402.74 553.77	92.90
08 91	16 00-0125	EA	60" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,373.64 117.75 235.50 353.26 471.01 647.64	98.06
08 91	16 00-0126	EA	60" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,564.05 135.24 270.49 405.73 540.98 743.84	105.80
08 91	16 00-0127	EA	60" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,733.64 151.17 302.34 453.51 604.68 831.44	110.97
08 91	16 00-0128	EA	60" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,961.02 172.36 344.72 517.08 689.44 947.99	118.71
08 91	16 00-0129	EA	60" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	2,173.47 192.06 384.11 576.17 768.23 1,056.31	126.45
08 91	16 00-0130	EA	60" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	2,339.71 207.13 414.26 621.40 828.53 1,139.23	134.19
08 91	16 00-0131	EA	60" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	2,503.09 221.92 443.84 665.77 887.69 1,220.57	141.93
08 91	16 00-0132	EA	60" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	2,659.18 236.50 473.00 709.50 946.00 1,300.74	147.09
08 91	16 00-0133	EA	60" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	2,869.30 256.48 512.96 769.44 1,025.92 1,410.63	152.26
08 91	16 00-0134	EA	60" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	3,038.90 272.41 544.81 817.22 1,089.63 1,498.24	157.42



Openings	08	08
Louvers And Vents	08 90	
Louvers	08 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0135	EA		60" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	3,257.57	162.57
			<i>For Flange Frame, Add</i>	293.24	
			<i>For Clear Lacquer Finish, Add</i>	586.48	
			<i>For Baked Enamel Standard Colors, Add</i>	879.72	
			<i>For Anodized Finish, Add</i>	1,172.96	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,612.83	
08 91 16 00-0136	EA		60" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	3,418.64	167.74
			<i>For Flange Frame, Add</i>	308.32	
			<i>For Clear Lacquer Finish, Add</i>	616.63	
			<i>For Baked Enamel Standard Colors, Add</i>	924.95	
			<i>For Anodized Finish, Add</i>	1,233.26	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,695.74	
08 91 16 00-0137 Adjustable Intake Wall Louvers Operators (08 91 16)					
08 91 16 00-0138	EA		5' Chain Actuator For Adjustable Intake Louver.....	205.20	25.81
08 91 16 00-0139	EA		Panel Crank For Adjustable Intake Louver	431.64	10.32
08 91 19 Fixed Louvers (08 91)					
08 91 19 00-0001 Fixed Intake Wall Louvers (08 91 19)					
08 91 19 00-0002	EA		12" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	261.19	23.22
			<i>For Flange Frame, Add</i>	21.47	
			<i>For Clear Lacquer Finish, Add</i>	42.95	
			<i>For Baked Enamel Standard Colors, Add</i>	64.42	
			<i>For Anodized Finish, Add</i>	85.90	
			<i>For Kynar™ Standard Colors Finish, Add</i>	118.11	
08 91 19 00-0003	EA		12" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	310.62	28.39
			<i>For Flange Frame, Add</i>	25.39	
			<i>For Clear Lacquer Finish, Add</i>	50.77	
			<i>For Baked Enamel Standard Colors, Add</i>	76.16	
			<i>For Anodized Finish, Add</i>	101.54	
			<i>For Kynar™ Standard Colors Finish, Add</i>	139.62	
08 91 19 00-0004	EA		12" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	360.77	33.55
			<i>For Flange Frame, Add</i>	29.37	
			<i>For Clear Lacquer Finish, Add</i>	58.73	
			<i>For Baked Enamel Standard Colors, Add</i>	88.10	
			<i>For Anodized Finish, Add</i>	117.47	
			<i>For Kynar™ Standard Colors Finish, Add</i>	161.52	
08 91 19 00-0005	EA		12" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	423.00	38.71
			<i>For Flange Frame, Add</i>	34.56	
			<i>For Clear Lacquer Finish, Add</i>	69.12	
			<i>For Baked Enamel Standard Colors, Add</i>	103.67	
			<i>For Anodized Finish, Add</i>	138.23	
			<i>For Kynar™ Standard Colors Finish, Add</i>	190.07	
08 91 19 00-0006	EA		12" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	475.98	43.87
			<i>For Flange Frame, Add</i>	38.82	
			<i>For Clear Lacquer Finish, Add</i>	77.65	
			<i>For Baked Enamel Standard Colors, Add</i>	116.47	
			<i>For Anodized Finish, Add</i>	155.30	
			<i>For Kynar™ Standard Colors Finish, Add</i>	213.53	
08 91 19 00-0007	EA		12" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	560.25	49.03
			<i>For Flange Frame, Add</i>	46.22	
			<i>For Clear Lacquer Finish, Add</i>	92.44	
			<i>For Baked Enamel Standard Colors, Add</i>	138.66	
			<i>For Anodized Finish, Add</i>	184.88	
			<i>For Kynar™ Standard Colors Finish, Add</i>	254.20	
08 91 19 00-0008	EA		12" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	607.55	54.19
			<i>For Flange Frame, Add</i>	49.92	
			<i>For Clear Lacquer Finish, Add</i>	99.83	
			<i>For Baked Enamel Standard Colors, Add</i>	149.75	
			<i>For Anodized Finish, Add</i>	199.66	
			<i>For Kynar™ Standard Colors Finish, Add</i>	274.54	
08 91 19 00-0009	EA		12" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	679.92	61.94
			<i>For Flange Frame, Add</i>	55.61	
			<i>For Clear Lacquer Finish, Add</i>	111.21	
			<i>For Baked Enamel Standard Colors, Add</i>	166.82	
			<i>For Anodized Finish, Add</i>	222.42	
			<i>For Kynar™ Standard Colors Finish, Add</i>	305.83	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0010	EA	12" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	723.66	67.10
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	58.95	
			For Clear Lacquer Finish, Add	117.89	
			For Baked Enamel Standard Colors, Add	176.84	
			For Anodized Finish, Add	235.79	
			For Kynar™ Standard Colors Finish, Add	324.21	
08 91	19 00-0011	EA	12" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	782.34	72.25
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	63.78	
			For Clear Lacquer Finish, Add	127.56	
			For Baked Enamel Standard Colors, Add	191.35	
			For Anodized Finish, Add	255.13	
			For Kynar™ Standard Colors Finish, Add	350.80	
08 91	19 00-0012	EA	12" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	833.89	77.42
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	67.91	
			For Clear Lacquer Finish, Add	135.81	
			For Baked Enamel Standard Colors, Add	203.72	
			For Anodized Finish, Add	271.62	
			For Kynar™ Standard Colors Finish, Add	373.48	
08 91	19 00-0013	EA	12" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	894.71	82.58
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	72.96	
			For Clear Lacquer Finish, Add	145.91	
			For Baked Enamel Standard Colors, Add	218.87	
			For Anodized Finish, Add	291.82	
			For Kynar™ Standard Colors Finish, Add	401.25	
08 91	19 00-0014	EA	12" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	951.96	87.74
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	77.65	
			For Clear Lacquer Finish, Add	155.30	
			For Baked Enamel Standard Colors, Add	232.94	
			For Anodized Finish, Add	310.59	
			For Kynar™ Standard Colors Finish, Add	427.06	
08 91	19 00-0015	EA	12" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	1,004.41	95.49
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	81.35	
			For Clear Lacquer Finish, Add	162.69	
			For Baked Enamel Standard Colors, Add	244.04	
			For Anodized Finish, Add	325.38	
			For Kynar™ Standard Colors Finish, Add	447.40	
08 91	19 00-0016	EA	12" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	1,073.23	103.23
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	86.68	
			For Clear Lacquer Finish, Add	173.36	
			For Baked Enamel Standard Colors, Add	260.03	
			For Anodized Finish, Add	346.71	
			For Kynar™ Standard Colors Finish, Add	476.73	
08 91	19 00-0017	EA	18" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	304.22	28.39
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	24.75	
			For Clear Lacquer Finish, Add	49.49	
			For Baked Enamel Standard Colors, Add	74.24	
			For Anodized Finish, Add	98.98	
			For Kynar™ Standard Colors Finish, Add	136.10	
08 91	19 00-0018	EA	18" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	365.92	36.13
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	29.37	
			For Clear Lacquer Finish, Add	58.73	
			For Baked Enamel Standard Colors, Add	88.10	
			For Anodized Finish, Add	117.47	
			For Kynar™ Standard Colors Finish, Add	161.52	
08 91	19 00-0019	EA	18" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	423.89	41.29
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	34.13	
			For Clear Lacquer Finish, Add	68.26	
			For Baked Enamel Standard Colors, Add	102.39	
			For Anodized Finish, Add	136.52	
			For Kynar™ Standard Colors Finish, Add	187.72	
08 91	19 00-0020	EA	18" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	531.29	51.61
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	42.81	
			For Clear Lacquer Finish, Add	85.61	
			For Baked Enamel Standard Colors, Add	128.42	
			For Anodized Finish, Add	171.22	
			For Kynar™ Standard Colors Finish, Add	235.43	
08 91	19 00-0021	EA	18" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	608.44	56.77
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	49.49	
			For Clear Lacquer Finish, Add	98.98	
			For Baked Enamel Standard Colors, Add	148.47	
			For Anodized Finish, Add	197.96	
			For Kynar™ Standard Colors Finish, Add	272.20	



Openings	08
Louvers And Vents	08 90
Louvers	08 91

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0022	EA	18" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	677.07	61.94
			<i>For Flange Frame, Add</i>	55.32	
			<i>For Clear Lacquer Finish, Add</i>	110.64	
			<i>For Baked Enamel Standard Colors, Add</i>	165.96	
			<i>For Anodized Finish, Add</i>	221.28	
			<i>For Kynar™ Standard Colors Finish, Add</i>	304.26	
08 91	19 00-0023	EA	18" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	726.50	67.10
			<i>For Flange Frame, Add</i>	59.23	
			<i>For Clear Lacquer Finish, Add</i>	118.46	
			<i>For Baked Enamel Standard Colors, Add</i>	177.69	
			<i>For Anodized Finish, Add</i>	236.92	
			<i>For Kynar™ Standard Colors Finish, Add</i>	325.77	
08 91	19 00-0024	EA	18" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	808.83	74.84
			<i>For Flange Frame, Add</i>	65.92	
			<i>For Clear Lacquer Finish, Add</i>	131.83	
			<i>For Baked Enamel Standard Colors, Add</i>	197.75	
			<i>For Anodized Finish, Add</i>	263.66	
			<i>For Kynar™ Standard Colors Finish, Add</i>	362.53	
08 91	19 00-0025	EA	18" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	867.69	82.58
			<i>For Flange Frame, Add</i>	70.25	
			<i>For Clear Lacquer Finish, Add</i>	140.51	
			<i>For Baked Enamel Standard Colors, Add</i>	210.76	
			<i>For Anodized Finish, Add</i>	281.01	
			<i>For Kynar™ Standard Colors Finish, Add</i>	386.39	
08 91	19 00-0026	EA	18" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	942.00	87.74
			<i>For Flange Frame, Add</i>	76.65	
			<i>For Clear Lacquer Finish, Add</i>	153.30	
			<i>For Baked Enamel Standard Colors, Add</i>	229.96	
			<i>For Anodized Finish, Add</i>	306.61	
			<i>For Kynar™ Standard Colors Finish, Add</i>	421.59	
08 91	19 00-0027	EA	18" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	999.26	92.90
			<i>For Flange Frame, Add</i>	81.35	
			<i>For Clear Lacquer Finish, Add</i>	162.69	
			<i>For Baked Enamel Standard Colors, Add</i>	244.04	
			<i>For Anodized Finish, Add</i>	325.38	
			<i>For Kynar™ Standard Colors Finish, Add</i>	447.40	
08 91	19 00-0028	EA	18" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,062.90	98.06
			<i>For Flange Frame, Add</i>	86.68	
			<i>For Clear Lacquer Finish, Add</i>	173.36	
			<i>For Baked Enamel Standard Colors, Add</i>	260.03	
			<i>For Anodized Finish, Add</i>	346.71	
			<i>For Kynar™ Standard Colors Finish, Add</i>	476.73	
08 91	19 00-0029	EA	18" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,129.41	103.23
			<i>For Flange Frame, Add</i>	92.30	
			<i>For Clear Lacquer Finish, Add</i>	184.59	
			<i>For Baked Enamel Standard Colors, Add</i>	276.89	
			<i>For Anodized Finish, Add</i>	369.18	
			<i>For Kynar™ Standard Colors Finish, Add</i>	507.63	
08 91	19 00-0030	EA	18" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,189.68	110.97
			<i>For Flange Frame, Add</i>	96.78	
			<i>For Clear Lacquer Finish, Add</i>	193.55	
			<i>For Baked Enamel Standard Colors, Add</i>	290.33	
			<i>For Anodized Finish, Add</i>	387.10	
			<i>For Kynar™ Standard Colors Finish, Add</i>	532.26	
08 91	19 00-0031	EA	18" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,272.00	118.71
			<i>For Flange Frame, Add</i>	103.46	
			<i>For Clear Lacquer Finish, Add</i>	206.92	
			<i>For Baked Enamel Standard Colors, Add</i>	310.38	
			<i>For Anodized Finish, Add</i>	413.84	
			<i>For Kynar™ Standard Colors Finish, Add</i>	569.02	
08 91	19 00-0032	EA	24" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	352.24	33.55
			<i>For Flange Frame, Add</i>	28.51	
			<i>For Clear Lacquer Finish, Add</i>	57.03	
			<i>For Baked Enamel Standard Colors, Add</i>	85.54	
			<i>For Anodized Finish, Add</i>	114.06	
			<i>For Kynar™ Standard Colors Finish, Add</i>	156.83	
08 91	19 00-0033	EA	24" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	420.33	41.29
			<i>For Flange Frame, Add</i>	33.78	
			<i>For Clear Lacquer Finish, Add</i>	67.55	
			<i>For Baked Enamel Standard Colors, Add</i>	101.33	
			<i>For Anodized Finish, Add</i>	135.10	
			<i>For Kynar™ Standard Colors Finish, Add</i>	185.76	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0034	EA	24" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	519.72	49.03
			<i>For Flange Frame, Add</i>	42.17	
			<i>For Clear Lacquer Finish, Add</i>	84.33	
			<i>For Baked Enamel Standard Colors, Add</i>	126.50	
			<i>For Anodized Finish, Add</i>	168.66	
			<i>For Kynar™ Standard Colors Finish, Add</i>	231.91	
08 91	19 00-0035	EA	24" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	613.61	59.36
			<i>For Flange Frame, Add</i>	49.49	
			<i>For Clear Lacquer Finish, Add</i>	98.98	
			<i>For Baked Enamel Standard Colors, Add</i>	148.47	
			<i>For Anodized Finish, Add</i>	197.96	
			<i>For Kynar™ Standard Colors Finish, Add</i>	272.20	
08 91	19 00-0036	EA	24" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	700.72	64.51
			<i>For Flange Frame, Add</i>	57.17	
			<i>For Clear Lacquer Finish, Add</i>	114.34	
			<i>For Baked Enamel Standard Colors, Add</i>	171.51	
			<i>For Anodized Finish, Add</i>	228.68	
			<i>For Kynar™ Standard Colors Finish, Add</i>	314.43	
08 91	19 00-0037	EA	24" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	781.44	69.68
			<i>For Flange Frame, Add</i>	64.21	
			<i>For Clear Lacquer Finish, Add</i>	128.42	
			<i>For Baked Enamel Standard Colors, Add</i>	192.63	
			<i>For Anodized Finish, Add</i>	256.84	
			<i>For Kynar™ Standard Colors Finish, Add</i>	353.15	
08 91	19 00-0038	EA	24" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	850.25	77.42
			<i>For Flange Frame, Add</i>	69.54	
			<i>For Clear Lacquer Finish, Add</i>	139.08	
			<i>For Baked Enamel Standard Colors, Add</i>	208.63	
			<i>For Anodized Finish, Add</i>	278.17	
			<i>For Kynar™ Standard Colors Finish, Add</i>	382.48	
08 91	19 00-0039	EA	24" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	942.00	87.74
			<i>For Flange Frame, Add</i>	76.65	
			<i>For Clear Lacquer Finish, Add</i>	153.30	
			<i>For Baked Enamel Standard Colors, Add</i>	229.96	
			<i>For Anodized Finish, Add</i>	306.61	
			<i>For Kynar™ Standard Colors Finish, Add</i>	421.59	
08 91	19 00-0040	EA	24" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,002.11	92.90
			<i>For Flange Frame, Add</i>	81.63	
			<i>For Clear Lacquer Finish, Add</i>	163.26	
			<i>For Baked Enamel Standard Colors, Add</i>	244.89	
			<i>For Anodized Finish, Add</i>	326.52	
			<i>For Kynar™ Standard Colors Finish, Add</i>	448.97	
08 91	19 00-0041	EA	24" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,101.67	103.23
			<i>For Flange Frame, Add</i>	89.52	
			<i>For Clear Lacquer Finish, Add</i>	179.04	
			<i>For Baked Enamel Standard Colors, Add</i>	268.57	
			<i>For Anodized Finish, Add</i>	358.09	
			<i>For Kynar™ Standard Colors Finish, Add</i>	492.37	
08 91	19 00-0042	EA	24" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,163.90	108.39
			<i>For Flange Frame, Add</i>	94.71	
			<i>For Clear Lacquer Finish, Add</i>	189.43	
			<i>For Baked Enamel Standard Colors, Add</i>	284.14	
			<i>For Anodized Finish, Add</i>	378.85	
			<i>For Kynar™ Standard Colors Finish, Add</i>	520.92	
08 91	19 00-0043	EA	24" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,243.92	113.54
			<i>For Flange Frame, Add</i>	101.68	
			<i>For Clear Lacquer Finish, Add</i>	203.36	
			<i>For Baked Enamel Standard Colors, Add</i>	305.05	
			<i>For Anodized Finish, Add</i>	406.73	
			<i>For Kynar™ Standard Colors Finish, Add</i>	559.25	
08 91	19 00-0044	EA	24" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,322.49	118.71
			<i>For Flange Frame, Add</i>	108.51	
			<i>For Clear Lacquer Finish, Add</i>	217.02	
			<i>For Baked Enamel Standard Colors, Add</i>	325.52	
			<i>For Anodized Finish, Add</i>	434.03	
			<i>For Kynar™ Standard Colors Finish, Add</i>	596.79	
08 91	19 00-0045	EA	24" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,384.20	126.45
			<i>For Flange Frame, Add</i>	113.13	
			<i>For Clear Lacquer Finish, Add</i>	226.26	
			<i>For Baked Enamel Standard Colors, Add</i>	339.39	
			<i>For Anodized Finish, Add</i>	452.52	
			<i>For Kynar™ Standard Colors Finish, Add</i>	622.22	



Openings	08
Louvers And Vents	08 90
Louvers	08 91

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0046	EA	24" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,483.59	134.19
			<i>For Flange Frame, Add</i>	121.52	
			<i>For Clear Lacquer Finish, Add</i>	243.04	
			<i>For Baked Enamel Standard Colors, Add</i>	364.56	
			<i>For Anodized Finish, Add</i>	486.08	
			<i>For Kynar™ Standard Colors Finish, Add</i>	668.36	
08 91	19 00-0047	EA	30" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	395.26	38.71
			<i>For Flange Frame, Add</i>	31.78	
			<i>For Clear Lacquer Finish, Add</i>	63.57	
			<i>For Baked Enamel Standard Colors, Add</i>	95.35	
			<i>For Anodized Finish, Add</i>	127.14	
			<i>For Kynar™ Standard Colors Finish, Add</i>	174.81	
08 91	19 00-0048	EA	30" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	512.09	51.61
			<i>For Flange Frame, Add</i>	40.89	
			<i>For Clear Lacquer Finish, Add</i>	81.77	
			<i>For Baked Enamel Standard Colors, Add</i>	122.66	
			<i>For Anodized Finish, Add</i>	163.54	
			<i>For Kynar™ Standard Colors Finish, Add</i>	224.87	
08 91	19 00-0049	EA	30" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	597.25	59.36
			<i>For Flange Frame, Add</i>	47.85	
			<i>For Clear Lacquer Finish, Add</i>	95.71	
			<i>For Baked Enamel Standard Colors, Add</i>	143.56	
			<i>For Anodized Finish, Add</i>	191.42	
			<i>For Kynar™ Standard Colors Finish, Add</i>	263.20	
08 91	19 00-0050	EA	30" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	695.93	67.10
			<i>For Flange Frame, Add</i>	56.17	
			<i>For Clear Lacquer Finish, Add</i>	112.35	
			<i>For Baked Enamel Standard Colors, Add</i>	168.52	
			<i>For Anodized Finish, Add</i>	224.70	
			<i>For Kynar™ Standard Colors Finish, Add</i>	308.96	
08 91	19 00-0051	EA	30" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	800.12	72.25
			<i>For Flange Frame, Add</i>	65.56	
			<i>For Clear Lacquer Finish, Add</i>	131.12	
			<i>For Baked Enamel Standard Colors, Add</i>	196.68	
			<i>For Anodized Finish, Add</i>	262.24	
			<i>For Kynar™ Standard Colors Finish, Add</i>	360.58	
08 91	19 00-0052	EA	30" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	889.55	79.99
			<i>For Flange Frame, Add</i>	72.96	
			<i>For Clear Lacquer Finish, Add</i>	145.91	
			<i>For Baked Enamel Standard Colors, Add</i>	218.87	
			<i>For Anodized Finish, Add</i>	291.82	
			<i>For Kynar™ Standard Colors Finish, Add</i>	401.25	
08 91	19 00-0053	EA	30" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	956.04	85.16
			<i>For Flange Frame, Add</i>	78.57	
			<i>For Clear Lacquer Finish, Add</i>	157.14	
			<i>For Baked Enamel Standard Colors, Add</i>	235.72	
			<i>For Anodized Finish, Add</i>	314.29	
			<i>For Kynar™ Standard Colors Finish, Add</i>	432.15	
08 91	19 00-0054	EA	30" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,049.75	92.90
			<i>For Flange Frame, Add</i>	86.39	
			<i>For Clear Lacquer Finish, Add</i>	172.79	
			<i>For Baked Enamel Standard Colors, Add</i>	259.18	
			<i>For Anodized Finish, Add</i>	345.58	
			<i>For Kynar™ Standard Colors Finish, Add</i>	475.17	
08 91	19 00-0055	EA	30" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,124.05	98.06
			<i>For Flange Frame, Add</i>	92.79	
			<i>For Clear Lacquer Finish, Add</i>	185.59	
			<i>For Baked Enamel Standard Colors, Add</i>	278.38	
			<i>For Anodized Finish, Add</i>	371.17	
			<i>For Kynar™ Standard Colors Finish, Add</i>	510.36	
08 91	19 00-0056	EA	30" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,238.56	108.39
			<i>For Flange Frame, Add</i>	102.18	
			<i>For Clear Lacquer Finish, Add</i>	204.36	
			<i>For Baked Enamel Standard Colors, Add</i>	306.54	
			<i>For Anodized Finish, Add</i>	408.72	
			<i>For Kynar™ Standard Colors Finish, Add</i>	561.98	
08 91	19 00-0057	EA	30" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,312.35	116.13
			<i>For Flange Frame, Add</i>	108.01	
			<i>For Clear Lacquer Finish, Add</i>	216.02	
			<i>For Baked Enamel Standard Colors, Add</i>	324.03	
			<i>For Anodized Finish, Add</i>	432.04	
			<i>For Kynar™ Standard Colors Finish, Add</i>	594.06	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0058	EA	30" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,397.34	121.28
			<i>For Flange Frame, Add</i>	115.48	
			<i>For Clear Lacquer Finish, Add</i>	230.95	
			<i>For Baked Enamel Standard Colors, Add</i>	346.43	
			<i>For Anodized Finish, Add</i>	461.90	
			<i>For Kynar™ Standard Colors Finish, Add</i>	635.12	
08 91	19 00-0059	EA	30" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,481.61	126.45
			<i>For Flange Frame, Add</i>	122.87	
			<i>For Clear Lacquer Finish, Add</i>	245.74	
			<i>For Baked Enamel Standard Colors, Add</i>	368.61	
			<i>For Anodized Finish, Add</i>	491.48	
			<i>For Kynar™ Standard Colors Finish, Add</i>	675.79	
08 91	19 00-0060	EA	30" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,553.99	134.19
			<i>For Flange Frame, Add</i>	128.56	
			<i>For Clear Lacquer Finish, Add</i>	257.12	
			<i>For Baked Enamel Standard Colors, Add</i>	385.68	
			<i>For Anodized Finish, Add</i>	514.24	
			<i>For Kynar™ Standard Colors Finish, Add</i>	707.08	
08 91	19 00-0061	EA	30" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,666.17	141.93
			<i>For Flange Frame, Add</i>	138.23	
			<i>For Clear Lacquer Finish, Add</i>	276.46	
			<i>For Baked Enamel Standard Colors, Add</i>	414.69	
			<i>For Anodized Finish, Add</i>	552.92	
			<i>For Kynar™ Standard Colors Finish, Add</i>	760.27	
08 91	19 00-0062	EA	36" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	439.00	43.87
			<i>For Flange Frame, Add</i>	35.13	
			<i>For Clear Lacquer Finish, Add</i>	70.25	
			<i>For Baked Enamel Standard Colors, Add</i>	105.38	
			<i>For Anodized Finish, Add</i>	140.50	
			<i>For Kynar™ Standard Colors Finish, Add</i>	193.19	
08 91	19 00-0063	EA	36" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	575.73	56.77
			<i>For Flange Frame, Add</i>	46.22	
			<i>For Clear Lacquer Finish, Add</i>	92.44	
			<i>For Baked Enamel Standard Colors, Add</i>	138.66	
			<i>For Anodized Finish, Add</i>	184.88	
			<i>For Kynar™ Standard Colors Finish, Add</i>	254.20	
08 91	19 00-0064	EA	36" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	665.17	64.51
			<i>For Flange Frame, Add</i>	53.61	
			<i>For Clear Lacquer Finish, Add</i>	107.23	
			<i>For Baked Enamel Standard Colors, Add</i>	160.84	
			<i>For Anodized Finish, Add</i>	214.46	
			<i>For Kynar™ Standard Colors Finish, Add</i>	294.88	
08 91	19 00-0065	EA	36" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	770.96	72.25
			<i>For Flange Frame, Add</i>	62.64	
			<i>For Clear Lacquer Finish, Add</i>	125.29	
			<i>For Baked Enamel Standard Colors, Add</i>	187.93	
			<i>For Anodized Finish, Add</i>	250.58	
			<i>For Kynar™ Standard Colors Finish, Add</i>	344.54	
08 91	19 00-0066	EA	36" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	888.58	78.45
			<i>For Flange Frame, Add</i>	73.17	
			<i>For Clear Lacquer Finish, Add</i>	146.34	
			<i>For Baked Enamel Standard Colors, Add</i>	219.50	
			<i>For Anodized Finish, Add</i>	292.67	
			<i>For Kynar™ Standard Colors Finish, Add</i>	402.42	
08 91	19 00-0067	EA	36" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	980.93	85.16
			<i>For Flange Frame, Add</i>	81.06	
			<i>For Clear Lacquer Finish, Add</i>	162.12	
			<i>For Baked Enamel Standard Colors, Add</i>	243.18	
			<i>For Anodized Finish, Add</i>	324.24	
			<i>For Kynar™ Standard Colors Finish, Add</i>	445.84	
08 91	19 00-0068	EA	36" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,060.22	90.32
			<i>For Flange Frame, Add</i>	87.96	
			<i>For Clear Lacquer Finish, Add</i>	175.92	
			<i>For Baked Enamel Standard Colors, Add</i>	263.87	
			<i>For Anodized Finish, Add</i>	351.83	
			<i>For Kynar™ Standard Colors Finish, Add</i>	483.77	
08 91	19 00-0069	EA	36" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,166.72	98.06
			<i>For Flange Frame, Add</i>	97.06	
			<i>For Clear Lacquer Finish, Add</i>	194.12	
			<i>For Baked Enamel Standard Colors, Add</i>	291.18	
			<i>For Anodized Finish, Add</i>	388.24	
			<i>For Kynar™ Standard Colors Finish, Add</i>	533.83	



Openings	08
Louvers And Vents	08 90
Louvers	08 91

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0070	EA	36" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,248.34	105.80
			<i>For Flange Frame, Add</i>	103.67	
			<i>For Clear Lacquer Finish, Add</i>	207.35	
			<i>For Baked Enamel Standard Colors, Add</i>	311.02	
			<i>For Anodized Finish, Add</i>	414.69	
			<i>For Kynar™ Standard Colors Finish, Add</i>	570.20	
08 91	19 00-0071	EA	36" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,375.46	113.54
			<i>For Flange Frame, Add</i>	114.84	
			<i>For Clear Lacquer Finish, Add</i>	229.67	
			<i>For Baked Enamel Standard Colors, Add</i>	344.51	
			<i>For Anodized Finish, Add</i>	459.34	
			<i>For Kynar™ Standard Colors Finish, Add</i>	631.60	
08 91	19 00-0072	EA	36" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,460.63	121.28
			<i>For Flange Frame, Add</i>	121.81	
			<i>For Clear Lacquer Finish, Add</i>	243.61	
			<i>For Baked Enamel Standard Colors, Add</i>	365.42	
			<i>For Anodized Finish, Add</i>	487.22	
			<i>For Kynar™ Standard Colors Finish, Add</i>	669.93	
08 91	19 00-0073	EA	36" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,551.30	126.45
			<i>For Flange Frame, Add</i>	129.84	
			<i>For Clear Lacquer Finish, Add</i>	259.68	
			<i>For Baked Enamel Standard Colors, Add</i>	389.52	
			<i>For Anodized Finish, Add</i>	519.36	
			<i>For Kynar™ Standard Colors Finish, Add</i>	714.12	
08 91	19 00-0074	EA	36" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,645.52	131.61
			<i>For Flange Frame, Add</i>	138.23	
			<i>For Clear Lacquer Finish, Add</i>	276.46	
			<i>For Baked Enamel Standard Colors, Add</i>	414.69	
			<i>For Anodized Finish, Add</i>	552.92	
			<i>For Kynar™ Standard Colors Finish, Add</i>	760.27	
08 91	19 00-0075	EA	36" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,727.85	139.35
			<i>For Flange Frame, Add</i>	144.91	
			<i>For Clear Lacquer Finish, Add</i>	289.83	
			<i>For Baked Enamel Standard Colors, Add</i>	434.74	
			<i>For Anodized Finish, Add</i>	579.66	
			<i>For Kynar™ Standard Colors Finish, Add</i>	797.03	
08 91	19 00-0076	EA	36" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,854.26	147.09
			<i>For Flange Frame, Add</i>	156.01	
			<i>For Clear Lacquer Finish, Add</i>	312.01	
			<i>For Baked Enamel Standard Colors, Add</i>	468.02	
			<i>For Anodized Finish, Add</i>	624.03	
			<i>For Kynar™ Standard Colors Finish, Add</i>	858.04	
08 91	19 00-0077	EA	42" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	509.76	49.03
			<i>For Flange Frame, Add</i>	41.17	
			<i>For Clear Lacquer Finish, Add</i>	82.34	
			<i>For Baked Enamel Standard Colors, Add</i>	123.51	
			<i>For Anodized Finish, Add</i>	164.68	
			<i>For Kynar™ Standard Colors Finish, Add</i>	226.44	
08 91	19 00-0078	EA	42" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	625.88	61.94
			<i>For Flange Frame, Add</i>	50.20	
			<i>For Clear Lacquer Finish, Add</i>	100.40	
			<i>For Baked Enamel Standard Colors, Add</i>	150.60	
			<i>For Anodized Finish, Add</i>	200.80	
			<i>For Kynar™ Standard Colors Finish, Add</i>	276.11	
08 91	19 00-0079	EA	42" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	724.55	69.68
			<i>For Flange Frame, Add</i>	58.52	
			<i>For Clear Lacquer Finish, Add</i>	117.04	
			<i>For Baked Enamel Standard Colors, Add</i>	175.56	
			<i>For Anodized Finish, Add</i>	234.08	
			<i>For Kynar™ Standard Colors Finish, Add</i>	321.86	
08 91	19 00-0080	EA	42" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	846.88	79.99
			<i>For Flange Frame, Add</i>	68.69	
			<i>For Clear Lacquer Finish, Add</i>	137.38	
			<i>For Baked Enamel Standard Colors, Add</i>	206.06	
			<i>For Anodized Finish, Add</i>	274.75	
			<i>For Kynar™ Standard Colors Finish, Add</i>	377.78	
08 91	19 00-0081	EA	42" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	973.82	85.16
			<i>For Flange Frame, Add</i>	80.35	
			<i>For Clear Lacquer Finish, Add</i>	160.70	
			<i>For Baked Enamel Standard Colors, Add</i>	241.05	
			<i>For Anodized Finish, Add</i>	321.40	
			<i>For Kynar™ Standard Colors Finish, Add</i>	441.93	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0082	EA	42" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,075.86	90.32
			<i>For Flange Frame, Add</i>	89.52	
			<i>For Clear Lacquer Finish, Add</i>	179.04	
			<i>For Baked Enamel Standard Colors, Add</i>	268.57	
			<i>For Anodized Finish, Add</i>	358.09	
			<i>For Kynar™ Standard Colors Finish, Add</i>	492.37	
08 91	19 00-0083	EA	42" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,164.40	95.49
			<i>For Flange Frame, Add</i>	97.34	
			<i>For Clear Lacquer Finish, Add</i>	194.69	
			<i>For Baked Enamel Standard Colors, Add</i>	292.03	
			<i>For Anodized Finish, Add</i>	389.38	
			<i>For Kynar™ Standard Colors Finish, Add</i>	535.39	
08 91	19 00-0084	EA	42" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,270.91	103.23
			<i>For Flange Frame, Add</i>	106.45	
			<i>For Clear Lacquer Finish, Add</i>	212.89	
			<i>For Baked Enamel Standard Colors, Add</i>	319.34	
			<i>For Anodized Finish, Add</i>	425.78	
			<i>For Kynar™ Standard Colors Finish, Add</i>	585.45	
08 91	19 00-0085	EA	42" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,362.47	110.97
			<i>For Flange Frame, Add</i>	114.05	
			<i>For Clear Lacquer Finish, Add</i>	228.11	
			<i>For Baked Enamel Standard Colors, Add</i>	342.16	
			<i>For Anodized Finish, Add</i>	456.22	
			<i>For Kynar™ Standard Colors Finish, Add</i>	627.30	
08 91	19 00-0086	EA	42" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,503.10	118.71
			<i>For Flange Frame, Add</i>	126.57	
			<i>For Clear Lacquer Finish, Add</i>	253.14	
			<i>For Baked Enamel Standard Colors, Add</i>	379.71	
			<i>For Anodized Finish, Add</i>	506.28	
			<i>For Kynar™ Standard Colors Finish, Add</i>	696.13	
08 91	19 00-0087	EA	42" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,594.67	126.45
			<i>For Flange Frame, Add</i>	134.18	
			<i>For Clear Lacquer Finish, Add</i>	268.35	
			<i>For Baked Enamel Standard Colors, Add</i>	402.53	
			<i>For Anodized Finish, Add</i>	536.71	
			<i>For Kynar™ Standard Colors Finish, Add</i>	737.97	
08 91	19 00-0088	EA	42" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,696.72	131.61
			<i>For Flange Frame, Add</i>	143.35	
			<i>For Clear Lacquer Finish, Add</i>	286.70	
			<i>For Baked Enamel Standard Colors, Add</i>	430.05	
			<i>For Anodized Finish, Add</i>	573.40	
			<i>For Kynar™ Standard Colors Finish, Add</i>	788.43	
08 91	19 00-0089	EA	42" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,799.47	136.78
			<i>For Flange Frame, Add</i>	152.59	
			<i>For Clear Lacquer Finish, Add</i>	305.19	
			<i>For Baked Enamel Standard Colors, Add</i>	457.78	
			<i>For Anodized Finish, Add</i>	610.37	
			<i>For Kynar™ Standard Colors Finish, Add</i>	839.26	
08 91	19 00-0090	EA	42" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,896.03	144.52
			<i>For Flange Frame, Add</i>	160.70	
			<i>For Clear Lacquer Finish, Add</i>	321.40	
			<i>For Baked Enamel Standard Colors, Add</i>	482.10	
			<i>For Anodized Finish, Add</i>	642.80	
			<i>For Kynar™ Standard Colors Finish, Add</i>	883.85	
08 91	19 00-0091	EA	42" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,031.67	152.26
			<i>For Flange Frame, Add</i>	172.72	
			<i>For Clear Lacquer Finish, Add</i>	345.43	
			<i>For Baked Enamel Standard Colors, Add</i>	518.15	
			<i>For Anodized Finish, Add</i>	690.86	
			<i>For Kynar™ Standard Colors Finish, Add</i>	949.94	
08 91	19 00-0092	EA	48" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	557.78	54.19
			<i>For Flange Frame, Add</i>	44.94	
			<i>For Clear Lacquer Finish, Add</i>	89.88	
			<i>For Baked Enamel Standard Colors, Add</i>	134.82	
			<i>For Anodized Finish, Add</i>	179.76	
			<i>For Kynar™ Standard Colors Finish, Add</i>	247.16	
08 91	19 00-0093	EA	48" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	683.84	67.10
			<i>For Flange Frame, Add</i>	54.97	
			<i>For Clear Lacquer Finish, Add</i>	109.93	
			<i>For Baked Enamel Standard Colors, Add</i>	164.90	
			<i>For Anodized Finish, Add</i>	219.86	
			<i>For Kynar™ Standard Colors Finish, Add</i>	302.31	



Openings	08
Louvers And Vents	08 90
Louvers	08 91

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0094	EA	48" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	800.47 64.56 129.13 193.69 258.26 355.10	77.42
08 91	19 00-0095	EA	48" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	919.78 74.95 149.89 224.84 299.78 412.20	85.16
08 91	19 00-0096	EA	48" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,064.49 88.39 176.77 265.16 353.54 486.12	90.32
08 91	19 00-0097	EA	48" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,182.18 99.12 198.24 297.37 396.49 545.17	95.49
08 91	19 00-0098	EA	48" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,280.86 107.44 214.88 322.32 429.76 590.93	103.23
08 91	19 00-0099	EA	48" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,434.29 121.24 242.47 363.71 484.94 666.80	110.97
08 91	19 00-0100	EA	48" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,503.10 126.57 253.14 379.71 506.28 696.13	118.71
08 91	19 00-0101	EA	48" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,652.98 140.01 280.02 420.02 560.03 770.04	126.45
08 91	19 00-0102	EA	48" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,758.06 148.97 297.93 446.90 595.87 819.32	134.19
08 91	19 00-0103	EA	48" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,871.48 159.28 318.55 477.83 637.11 876.02	139.35
08 91	19 00-0104	EA	48" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,984.91 169.59 339.18 508.76 678.35 932.73	144.52
08 91	19 00-0105	EA	48" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	2,079.84 178.05 356.10 534.15 712.20 979.27	149.68

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0106	EA	48" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	2,235.40 192.06 384.11 576.17 768.23 1,056.31	157.42
08 91	19 00-0107	EA	54" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	618.77 49.49 98.98 148.47 197.96 272.20	61.94
08 91	19 00-0108	EA	54" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	759.06 60.94 121.88 182.81 243.75 335.16	74.84
08 91	19 00-0109	EA	54" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	888.67 71.32 142.64 213.96 285.28 392.25	87.74
08 91	19 00-0110	EA	54" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,014.91 82.91 165.82 248.73 331.64 456.01	92.90
08 91	19 00-0111	EA	54" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,187.34 99.12 198.24 297.37 396.49 545.17	98.06
08 91	19 00-0112	EA	54" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,307.88 110.14 220.29 330.43 440.57 605.79	103.23
08 91	19 00-0113	EA	54" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,422.91 120.10 240.20 360.29 480.39 660.54	110.97
08 91	19 00-0114	EA	54" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,589.85 135.24 270.49 405.73 540.98 743.84	118.71
08 91	19 00-0115	EA	54" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,708.44 145.55 291.11 436.66 582.22 800.55	126.45
08 91	19 00-0116	EA	54" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,883.21 161.48 322.96 484.45 645.93 888.15	134.19
08 91	19 00-0117	EA	54" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,995.92 171.72 343.44 515.16 686.88 944.47	139.35



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0118	EA	54" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	2,124.28	144.52
			Note: Includes bird screen.		
			For Flange Frame, Add	183.53	
			For Clear Lacquer Finish, Add	367.05	
			For Baked Enamel Standard Colors, Add	550.58	
			For Anodized Finish, Add	734.10	
			For Kynar™ Standard Colors Finish, Add	1,009.39	
08 91	19 00-0119	EA	54" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	2,247.65	149.68
			Note: Includes bird screen.		
			For Flange Frame, Add	194.83	
			For Clear Lacquer Finish, Add	389.66	
			For Baked Enamel Standard Colors, Add	584.49	
			For Anodized Finish, Add	779.32	
			For Kynar™ Standard Colors Finish, Add	1,071.57	
08 91	19 00-0120	EA	54" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	2,350.42	154.83
			Note: Includes bird screen.		
			For Flange Frame, Add	204.07	
			For Clear Lacquer Finish, Add	408.15	
			For Baked Enamel Standard Colors, Add	612.22	
			For Anodized Finish, Add	816.30	
			For Kynar™ Standard Colors Finish, Add	1,122.41	
08 91	19 00-0121	EA	54" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	2,530.87	162.57
			Note: Includes bird screen.		
			For Flange Frame, Add	220.57	
			For Clear Lacquer Finish, Add	441.14	
			For Baked Enamel Standard Colors, Add	661.71	
			For Anodized Finish, Add	882.28	
			For Kynar™ Standard Colors Finish, Add	1,213.14	
08 91	19 00-0122	EA	60" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	665.35	67.10
			Note: Includes bird screen.		
			For Flange Frame, Add	53.12	
			For Clear Lacquer Finish, Add	106.23	
			For Baked Enamel Standard Colors, Add	159.35	
			For Anodized Finish, Add	212.46	
			For Kynar™ Standard Colors Finish, Add	292.14	
08 91	19 00-0123	EA	60" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	820.76	82.58
			Note: Includes bird screen.		
			For Flange Frame, Add	65.56	
			For Clear Lacquer Finish, Add	131.12	
			For Baked Enamel Standard Colors, Add	196.68	
			For Anodized Finish, Add	262.24	
			For Kynar™ Standard Colors Finish, Add	360.58	
08 91	19 00-0124	EA	60" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	952.33	92.90
			Note: Includes bird screen.		
			For Flange Frame, Add	76.65	
			For Clear Lacquer Finish, Add	153.30	
			For Baked Enamel Standard Colors, Add	229.96	
			For Anodized Finish, Add	306.61	
			For Kynar™ Standard Colors Finish, Add	421.59	
08 91	19 00-0125	EA	60" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,097.74	98.06
			Note: Includes bird screen.		
			For Flange Frame, Add	90.16	
			For Clear Lacquer Finish, Add	180.32	
			For Baked Enamel Standard Colors, Add	270.49	
			For Anodized Finish, Add	360.65	
			For Kynar™ Standard Colors Finish, Add	495.89	
08 91	19 00-0126	EA	60" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,278.91	105.80
			Note: Includes bird screen.		
			For Flange Frame, Add	106.73	
			For Clear Lacquer Finish, Add	213.46	
			For Baked Enamel Standard Colors, Add	320.19	
			For Anodized Finish, Add	426.92	
			For Kynar™ Standard Colors Finish, Add	587.02	
08 91	19 00-0127	EA	60" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,413.67	110.97
			Note: Includes bird screen.		
			For Flange Frame, Add	119.17	
			For Clear Lacquer Finish, Add	238.35	
			For Baked Enamel Standard Colors, Add	357.52	
			For Anodized Finish, Add	476.70	
			For Kynar™ Standard Colors Finish, Add	655.46	
08 91	19 00-0128	EA	60" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,533.67	118.71
			Note: Includes bird screen.		
			For Flange Frame, Add	129.63	
			For Clear Lacquer Finish, Add	259.25	
			For Baked Enamel Standard Colors, Add	388.88	
			For Anodized Finish, Add	518.50	
			For Kynar™ Standard Colors Finish, Add	712.94	
08 91	19 00-0129	EA	60" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,712.00	126.45
			Note: Includes bird screen.		
			For Flange Frame, Add	145.91	
			For Clear Lacquer Finish, Add	291.82	
			For Baked Enamel Standard Colors, Add	437.73	
			For Anodized Finish, Add	583.64	
			For Kynar™ Standard Colors Finish, Add	802.51	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0130 EA 60" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,839.12	134.19
Note: Includes bird screen.		
For Flange Frame, Add	157.07	
For Clear Lacquer Finish, Add	314.15	
For Baked Enamel Standard Colors, Add	471.22	
For Anodized Finish, Add	628.29	
For Kynar™ Standard Colors Finish, Add	863.90	
08 91 19 00-0131 EA 60" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	2,028.10	141.93
Note: Includes bird screen.		
For Flange Frame, Add	174.42	
For Clear Lacquer Finish, Add	348.85	
For Baked Enamel Standard Colors, Add	523.27	
For Anodized Finish, Add	697.69	
For Kynar™ Standard Colors Finish, Add	959.33	
08 91 19 00-0132 EA 60" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	2,147.92	147.09
Note: Includes bird screen.		
For Flange Frame, Add	185.37	
For Clear Lacquer Finish, Add	370.75	
For Baked Enamel Standard Colors, Add	556.12	
For Anodized Finish, Add	741.49	
For Kynar™ Standard Colors Finish, Add	1,019.55	
08 91 19 00-0133 EA 60" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	2,284.10	152.26
Note: Includes bird screen.		
For Flange Frame, Add	197.96	
For Clear Lacquer Finish, Add	395.92	
For Baked Enamel Standard Colors, Add	593.88	
For Anodized Finish, Add	791.84	
For Kynar™ Standard Colors Finish, Add	1,088.77	
08 91 19 00-0134 EA 60" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	2,417.43	157.42
Note: Includes bird screen.		
For Flange Frame, Add	210.26	
For Clear Lacquer Finish, Add	420.52	
For Baked Enamel Standard Colors, Add	630.78	
For Anodized Finish, Add	841.04	
For Kynar™ Standard Colors Finish, Add	1,156.43	
08 91 19 00-0135 EA 60" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	2,530.87	162.57
Note: Includes bird screen.		
For Flange Frame, Add	220.57	
For Clear Lacquer Finish, Add	441.14	
For Baked Enamel Standard Colors, Add	661.71	
For Anodized Finish, Add	882.28	
For Kynar™ Standard Colors Finish, Add	1,213.14	
08 91 19 00-0136 EA 60" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	2,718.24	167.74
Note: Includes bird screen.		
For Flange Frame, Add	238.28	
For Clear Lacquer Finish, Add	476.55	
For Baked Enamel Standard Colors, Add	714.83	
For Anodized Finish, Add	953.10	
For Kynar™ Standard Colors Finish, Add	1,310.52	
08 91 19 00-0137 EA 66" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	764.56	72.25
Note: Includes bird screen.		
For Flange Frame, Add	62.00	
For Clear Lacquer Finish, Add	124.01	
For Baked Enamel Standard Colors, Add	186.01	
For Anodized Finish, Add	248.02	
For Kynar™ Standard Colors Finish, Add	341.02	
08 91 19 00-0138 EA 66" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	944.85	87.74
Note: Includes bird screen.		
For Flange Frame, Add	76.94	
For Clear Lacquer Finish, Add	153.87	
For Baked Enamel Standard Colors, Add	230.81	
For Anodized Finish, Add	307.75	
For Kynar™ Standard Colors Finish, Add	423.15	
08 91 19 00-0139 EA 66" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,101.67	103.23
Note: Includes bird screen.		
For Flange Frame, Add	89.52	
For Clear Lacquer Finish, Add	179.04	
For Baked Enamel Standard Colors, Add	268.57	
For Anodized Finish, Add	358.09	
For Kynar™ Standard Colors Finish, Add	492.37	
08 91 19 00-0140 EA 66" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,259.89	108.39
Note: Includes bird screen.		
For Flange Frame, Add	104.31	
For Clear Lacquer Finish, Add	208.62	
For Baked Enamel Standard Colors, Add	312.94	
For Anodized Finish, Add	417.25	
For Kynar™ Standard Colors Finish, Add	573.72	
08 91 19 00-0141 EA 66" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,469.32	113.54
Note: Includes bird screen.		
For Flange Frame, Add	124.22	
For Clear Lacquer Finish, Add	248.44	
For Baked Enamel Standard Colors, Add	372.67	
For Anodized Finish, Add	496.89	
For Kynar™ Standard Colors Finish, Add	683.22	



Openings	08
Louvers And Vents	08 90
Louvers	08 91

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0142	EA	66" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,616.16 137.88 275.75 413.63 551.50 758.31	118.71
08 91	19 00-0143	EA	66" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,758.93 150.60 301.21 451.81 602.41 828.32	126.45
08 91	19 00-0144	EA	66" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,925.87 165.75 331.50 497.24 662.99 911.61	134.19
08 91	19 00-0145	EA	66" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	2,067.92 178.41 356.81 535.22 713.62 981.23	141.93
08 91	19 00-0146	EA	66" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	2,285.52 198.10 396.20 594.30 792.40 1,089.56	152.26
08 91	19 00-0147	EA	66" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	2,422.60 210.26 420.52 630.78 841.04 1,156.43	160.00
08 91	19 00-0148	EA	66" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	2,566.59 223.63 447.26 670.88 894.51 1,229.95	165.16
08 91	19 00-0149	EA	66" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	2,713.45 237.28 474.56 711.84 949.12 1,305.05	170.32
08 91	19 00-0150	EA	66" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	2,841.09 249.01 498.03 747.04 996.05 1,369.57	175.48
08 91	19 00-0151	EA	66" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	3,049.81 268.85 537.70 806.56 1,075.41 1,478.69	180.64
08 91	19 00-0152	EA	72" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	807.58 65.28 130.55 195.83 261.10 359.01	77.42
08 91	19 00-0153	EA	72" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	996.42 81.06 162.12 243.18 324.24 445.84	92.90

08 Openings

08 90 Louvers And Vents

08 91 Louvers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0154	EA	72" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,161.06	108.39
			<i>For Flange Frame, Add</i>	94.43	
			<i>For Clear Lacquer Finish, Add</i>	188.86	
			<i>For Baked Enamel Standard Colors, Add</i>	283.29	
			<i>For Anodized Finish, Add</i>	377.72	
			<i>For Kynar™ Standard Colors Finish, Add</i>	519.36	
08 91	19 00-0155	EA	72" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,333.68	116.13
			<i>For Flange Frame, Add</i>	110.14	
			<i>For Clear Lacquer Finish, Add</i>	220.29	
			<i>For Baked Enamel Standard Colors, Add</i>	330.43	
			<i>For Anodized Finish, Add</i>	440.57	
			<i>For Kynar™ Standard Colors Finish, Add</i>	605.79	
08 91	19 00-0156	EA	72" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,558.04	121.28
			<i>For Flange Frame, Add</i>	131.55	
			<i>For Clear Lacquer Finish, Add</i>	263.09	
			<i>For Baked Enamel Standard Colors, Add</i>	394.64	
			<i>For Anodized Finish, Add</i>	526.18	
			<i>For Kynar™ Standard Colors Finish, Add</i>	723.50	
08 91	19 00-0157	EA	72" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,712.71	126.45
			<i>For Flange Frame, Add</i>	145.98	
			<i>For Clear Lacquer Finish, Add</i>	291.96	
			<i>For Baked Enamel Standard Colors, Add</i>	437.94	
			<i>For Anodized Finish, Add</i>	583.92	
			<i>For Kynar™ Standard Colors Finish, Add</i>	802.90	
08 91	19 00-0158	EA	72" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,864.72	134.19
			<i>For Flange Frame, Add</i>	159.63	
			<i>For Clear Lacquer Finish, Add</i>	319.27	
			<i>For Baked Enamel Standard Colors, Add</i>	478.90	
			<i>For Anodized Finish, Add</i>	638.53	
			<i>For Kynar™ Standard Colors Finish, Add</i>	877.98	
08 91	19 00-0159	EA	72" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,035.74	139.35
			<i>For Flange Frame, Add</i>	175.70	
			<i>For Clear Lacquer Finish, Add</i>	351.41	
			<i>For Baked Enamel Standard Colors, Add</i>	527.11	
			<i>For Anodized Finish, Add</i>	702.81	
			<i>For Kynar™ Standard Colors Finish, Add</i>	966.37	
08 91	19 00-0160	EA	72" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,184.19	147.09
			<i>For Flange Frame, Add</i>	189.00	
			<i>For Clear Lacquer Finish, Add</i>	378.00	
			<i>For Baked Enamel Standard Colors, Add</i>	567.00	
			<i>For Anodized Finish, Add</i>	756.00	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,039.50	
08 91	19 00-0161	EA	72" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,422.60	160.00
			<i>For Flange Frame, Add</i>	210.26	
			<i>For Clear Lacquer Finish, Add</i>	420.52	
			<i>For Baked Enamel Standard Colors, Add</i>	630.78	
			<i>For Anodized Finish, Add</i>	841.04	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,156.43	
08 91	19 00-0162	EA	72" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,573.19	167.74
			<i>For Flange Frame, Add</i>	223.77	
			<i>For Clear Lacquer Finish, Add</i>	447.54	
			<i>For Baked Enamel Standard Colors, Add</i>	671.31	
			<i>For Anodized Finish, Add</i>	895.08	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,230.74	
08 91	19 00-0163	EA	72" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,721.45	172.90
			<i>For Flange Frame, Add</i>	237.57	
			<i>For Clear Lacquer Finish, Add</i>	475.13	
			<i>For Baked Enamel Standard Colors, Add</i>	712.70	
			<i>For Anodized Finish, Add</i>	950.26	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,306.61	
08 91	19 00-0164	EA	72" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,871.85	178.07
			<i>For Flange Frame, Add</i>	251.57	
			<i>For Clear Lacquer Finish, Add</i>	503.15	
			<i>For Baked Enamel Standard Colors, Add</i>	754.72	
			<i>For Anodized Finish, Add</i>	1,006.29	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,383.65	
08 91	19 00-0165	EA	72" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,013.02	183.22
			<i>For Flange Frame, Add</i>	264.66	
			<i>For Clear Lacquer Finish, Add</i>	529.31	
			<i>For Baked Enamel Standard Colors, Add</i>	793.97	
			<i>For Anodized Finish, Add</i>	1,058.63	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,455.61	



	Openings	08
	Louvers And Vents	08 90
	Louvers	08 91

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0166	EA	72" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,235.23	188.38
			<i>For Flange Frame, Add</i>	285.85	
			<i>For Clear Lacquer Finish, Add</i>	571.69	
			<i>For Baked Enamel Standard Colors, Add</i>	857.54	
			<i>For Anodized Finish, Add</i>	1,143.38	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,572.15	
08 91	19 00-0167	EA	78" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	859.15	82.58
			<i>For Flange Frame, Add</i>	69.40	
			<i>For Clear Lacquer Finish, Add</i>	138.80	
			<i>For Baked Enamel Standard Colors, Add</i>	208.20	
			<i>For Anodized Finish, Add</i>	277.60	
			<i>For Kynar™ Standard Colors Finish, Add</i>	381.69	
08 91	19 00-0168	EA	78" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,052.95	98.06
			<i>For Flange Frame, Add</i>	85.68	
			<i>For Clear Lacquer Finish, Add</i>	171.37	
			<i>For Baked Enamel Standard Colors, Add</i>	257.05	
			<i>For Anodized Finish, Add</i>	342.73	
			<i>For Kynar™ Standard Colors Finish, Add</i>	471.26	
08 91	19 00-0169	EA	78" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,221.16	113.54
			<i>For Flange Frame, Add</i>	99.41	
			<i>For Clear Lacquer Finish, Add</i>	198.81	
			<i>For Baked Enamel Standard Colors, Add</i>	298.22	
			<i>For Anodized Finish, Add</i>	397.62	
			<i>For Kynar™ Standard Colors Finish, Add</i>	546.73	
08 91	19 00-0170	EA	78" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,405.16	121.28
			<i>For Flange Frame, Add</i>	116.26	
			<i>For Clear Lacquer Finish, Add</i>	232.52	
			<i>For Baked Enamel Standard Colors, Add</i>	348.77	
			<i>For Anodized Finish, Add</i>	465.03	
			<i>For Kynar™ Standard Colors Finish, Add</i>	639.42	
08 91	19 00-0171	EA	78" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,642.31	126.45
			<i>For Flange Frame, Add</i>	138.94	
			<i>For Clear Lacquer Finish, Add</i>	277.88	
			<i>For Baked Enamel Standard Colors, Add</i>	416.82	
			<i>For Anodized Finish, Add</i>	555.76	
			<i>For Kynar™ Standard Colors Finish, Add</i>	764.18	
08 91	19 00-0172	EA	78" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,803.38	131.61
			<i>For Flange Frame, Add</i>	154.02	
			<i>For Clear Lacquer Finish, Add</i>	308.03	
			<i>For Baked Enamel Standard Colors, Add</i>	462.05	
			<i>For Anodized Finish, Add</i>	616.06	
			<i>For Kynar™ Standard Colors Finish, Add</i>	847.09	
08 91	19 00-0173	EA	78" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,966.06	139.35
			<i>For Flange Frame, Add</i>	168.74	
			<i>For Clear Lacquer Finish, Add</i>	337.47	
			<i>For Baked Enamel Standard Colors, Add</i>	506.21	
			<i>For Anodized Finish, Add</i>	674.94	
			<i>For Kynar™ Standard Colors Finish, Add</i>	928.04	
08 91	19 00-0174	EA	78" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,147.03	144.52
			<i>For Flange Frame, Add</i>	185.80	
			<i>For Clear Lacquer Finish, Add</i>	371.60	
			<i>For Baked Enamel Standard Colors, Add</i>	557.40	
			<i>For Anodized Finish, Add</i>	743.20	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,021.90	
08 91	19 00-0175	EA	78" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,306.14	152.26
			<i>For Flange Frame, Add</i>	200.16	
			<i>For Clear Lacquer Finish, Add</i>	400.33	
			<i>For Baked Enamel Standard Colors, Add</i>	600.49	
			<i>For Anodized Finish, Add</i>	800.65	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,100.90	
08 91	19 00-0176	EA	78" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,559.48	165.16
			<i>For Flange Frame, Add</i>	222.92	
			<i>For Clear Lacquer Finish, Add</i>	445.83	
			<i>For Baked Enamel Standard Colors, Add</i>	668.75	
			<i>For Anodized Finish, Add</i>	891.67	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,226.04	
08 91	19 00-0177	EA	78" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,717.19	172.90
			<i>For Flange Frame, Add</i>	237.14	
			<i>For Clear Lacquer Finish, Add</i>	474.28	
			<i>For Baked Enamel Standard Colors, Add</i>	711.42	
			<i>For Anodized Finish, Add</i>	948.56	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,304.26	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0178	EA	78" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	2,882.00	180.64
			Note: Includes bird screen.		
			For Flange Frame, Add	252.07	
			For Clear Lacquer Finish, Add	504.14	
			For Baked Enamel Standard Colors, Add	756.21	
			For Anodized Finish, Add	1,008.28	
			For Kynar™ Standard Colors Finish, Add	1,386.39	
08 91	19 00-0179	EA	78" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	3,032.39	185.81
			Note: Includes bird screen.		
			For Flange Frame, Add	266.08	
			For Clear Lacquer Finish, Add	532.16	
			For Baked Enamel Standard Colors, Add	798.24	
			For Anodized Finish, Add	1,064.32	
			For Kynar™ Standard Colors Finish, Add	1,463.43	
08 91	19 00-0180	EA	78" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	3,182.80	190.96
			Note: Includes bird screen.		
			For Flange Frame, Add	280.09	
			For Clear Lacquer Finish, Add	560.17	
			For Baked Enamel Standard Colors, Add	840.26	
			For Anodized Finish, Add	1,120.35	
			For Kynar™ Standard Colors Finish, Add	1,540.48	
08 91	19 00-0181	EA	78" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	3,419.23	196.12
			Note: Includes bird screen.		
			For Flange Frame, Add	302.70	
			For Clear Lacquer Finish, Add	605.40	
			For Baked Enamel Standard Colors, Add	908.09	
			For Anodized Finish, Add	1,210.79	
			For Kynar™ Standard Colors Finish, Add	1,664.84	
08 91	19 00-0182	EA	84" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	901.47	87.74
			Note: Includes bird screen.		
			For Flange Frame, Add	72.60	
			For Clear Lacquer Finish, Add	145.20	
			For Baked Enamel Standard Colors, Add	217.80	
			For Anodized Finish, Add	290.40	
			For Kynar™ Standard Colors Finish, Add	399.29	
08 91	19 00-0183	EA	84" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,103.10	103.23
			Note: Includes bird screen.		
			For Flange Frame, Add	89.67	
			For Clear Lacquer Finish, Add	179.33	
			For Baked Enamel Standard Colors, Add	269.00	
			For Anodized Finish, Add	358.66	
			For Kynar™ Standard Colors Finish, Add	493.16	
08 91	19 00-0184	EA	84" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,288.36	118.71
			Note: Includes bird screen.		
			For Flange Frame, Add	105.10	
			For Clear Lacquer Finish, Add	210.19	
			For Baked Enamel Standard Colors, Add	315.29	
			For Anodized Finish, Add	420.38	
			For Kynar™ Standard Colors Finish, Add	578.02	
08 91	19 00-0185	EA	84" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,478.06	126.45
			Note: Includes bird screen.		
			For Flange Frame, Add	122.52	
			For Clear Lacquer Finish, Add	245.03	
			For Baked Enamel Standard Colors, Add	367.55	
			For Anodized Finish, Add	490.06	
			For Kynar™ Standard Colors Finish, Add	673.84	
08 91	19 00-0186	EA	84" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,730.14	131.61
			Note: Includes bird screen.		
			For Flange Frame, Add	146.69	
			For Clear Lacquer Finish, Add	293.38	
			For Baked Enamel Standard Colors, Add	440.08	
			For Anodized Finish, Add	586.77	
			For Kynar™ Standard Colors Finish, Add	806.81	
08 91	19 00-0187	EA	84" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,900.45	136.78
			Note: Includes bird screen.		
			For Flange Frame, Add	162.69	
			For Clear Lacquer Finish, Add	325.38	
			For Baked Enamel Standard Colors, Add	488.07	
			For Anodized Finish, Add	650.76	
			For Kynar™ Standard Colors Finish, Add	894.80	
08 91	19 00-0188	EA	84" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	2,066.68	144.52
			Note: Includes bird screen.		
			For Flange Frame, Add	177.77	
			For Clear Lacquer Finish, Add	355.53	
			For Baked Enamel Standard Colors, Add	533.30	
			For Anodized Finish, Add	711.06	
			For Kynar™ Standard Colors Finish, Add	977.71	
08 91	19 00-0189	EA	84" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	2,261.88	149.68
			Note: Includes bird screen.		
			For Flange Frame, Add	196.25	
			For Clear Lacquer Finish, Add	392.51	
			For Baked Enamel Standard Colors, Add	588.76	
			For Anodized Finish, Add	785.01	
			For Kynar™ Standard Colors Finish, Add	1,079.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0190 EA 84" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	2,428.81	157.42
Note: Includes bird screen.		
For Flange Frame, Add	211.40	
For Clear Lacquer Finish, Add	422.80	
For Baked Enamel Standard Colors, Add	634.19	
For Anodized Finish, Add	845.59	
For Kynar™ Standard Colors Finish, Add	1,162.69	
08 91 19 00-0191 EA 84" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	2,697.09	170.32
Note: Includes bird screen.		
For Flange Frame, Add	235.65	
For Clear Lacquer Finish, Add	471.29	
For Baked Enamel Standard Colors, Add	706.94	
For Anodized Finish, Add	942.58	
For Kynar™ Standard Colors Finish, Add	1,296.05	
08 91 19 00-0192 EA 84" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	2,860.47	178.07
Note: Includes bird screen.		
For Flange Frame, Add	250.44	
For Clear Lacquer Finish, Add	500.87	
For Baked Enamel Standard Colors, Add	751.31	
For Anodized Finish, Add	1,001.74	
For Kynar™ Standard Colors Finish, Add	1,377.39	
08 91 19 00-0193 EA 84" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	3,039.50	185.81
Note: Includes bird screen.		
For Flange Frame, Add	266.79	
For Clear Lacquer Finish, Add	533.58	
For Baked Enamel Standard Colors, Add	800.37	
For Anodized Finish, Add	1,067.16	
For Kynar™ Standard Colors Finish, Add	1,467.35	
08 91 19 00-0194 EA 84" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	3,229.73	190.96
Note: Includes bird screen.		
For Flange Frame, Add	284.78	
For Clear Lacquer Finish, Add	569.56	
For Baked Enamel Standard Colors, Add	854.34	
For Anodized Finish, Add	1,139.12	
For Kynar™ Standard Colors Finish, Add	1,566.29	
08 91 19 00-0195 EA 84" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	3,401.46	196.12
Note: Includes bird screen.		
For Flange Frame, Add	300.92	
For Clear Lacquer Finish, Add	601.84	
For Baked Enamel Standard Colors, Add	902.76	
For Anodized Finish, Add	1,203.68	
For Kynar™ Standard Colors Finish, Add	1,655.07	
08 91 19 00-0196 EA 84" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	3,655.68	201.29
Note: Includes bird screen.		
For Flange Frame, Add	325.31	
For Clear Lacquer Finish, Add	650.62	
For Baked Enamel Standard Colors, Add	975.93	
For Anodized Finish, Add	1,301.24	
For Kynar™ Standard Colors Finish, Add	1,789.21	
08 91 19 00-0197 EA 90" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	957.48	95.49
Note: Includes bird screen.		
For Flange Frame, Add	76.65	
For Clear Lacquer Finish, Add	153.30	
For Baked Enamel Standard Colors, Add	229.96	
For Anodized Finish, Add	306.61	
For Kynar™ Standard Colors Finish, Add	421.59	
08 91 19 00-0198 EA 90" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,161.95	110.97
Note: Includes bird screen.		
For Flange Frame, Add	94.00	
For Clear Lacquer Finish, Add	188.00	
For Baked Enamel Standard Colors, Add	282.01	
For Anodized Finish, Add	376.01	
For Kynar™ Standard Colors Finish, Add	517.01	
08 91 19 00-0199 EA 90" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,354.33	126.45
Note: Includes bird screen.		
For Flange Frame, Add	110.14	
For Clear Lacquer Finish, Add	220.29	
For Baked Enamel Standard Colors, Add	330.43	
For Anodized Finish, Add	440.57	
For Kynar™ Standard Colors Finish, Add	605.79	
08 91 19 00-0200 EA 90" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,549.72	134.19
Note: Includes bird screen.		
For Flange Frame, Add	128.13	
For Clear Lacquer Finish, Add	256.27	
For Baked Enamel Standard Colors, Add	384.40	
For Anodized Finish, Add	512.53	
For Kynar™ Standard Colors Finish, Add	704.73	
08 91 19 00-0201 EA 90" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,818.87	139.35
Note: Includes bird screen.		
For Flange Frame, Add	154.02	
For Clear Lacquer Finish, Add	308.03	
For Baked Enamel Standard Colors, Add	462.05	
For Anodized Finish, Add	616.06	
For Kynar™ Standard Colors Finish, Add	847.09	

08 Openings

08 90 Louvers And Vents

08 91 Louvers



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0202	EA	90" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,994.86	144.52
		Note: Includes bird screen.		
		For Flange Frame, Add	170.58	
		For Clear Lacquer Finish, Add	341.17	
		For Baked Enamel Standard Colors, Add	511.75	
		For Anodized Finish, Add	682.33	
		For Kynar™ Standard Colors Finish, Add	938.21	
08 91 19 00-0203	EA	90" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	2,163.04	149.68
		Note: Includes bird screen.		
		For Flange Frame, Add	186.37	
		For Clear Lacquer Finish, Add	372.74	
		For Baked Enamel Standard Colors, Add	559.11	
		For Anodized Finish, Add	745.48	
		For Kynar™ Standard Colors Finish, Add	1,025.03	
08 91 19 00-0204	EA	90" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	2,368.91	154.83
		Note: Includes bird screen.		
		For Flange Frame, Add	205.92	
		For Clear Lacquer Finish, Add	411.85	
		For Baked Enamel Standard Colors, Add	617.77	
		For Anodized Finish, Add	823.69	
		For Kynar™ Standard Colors Finish, Add	1,132.58	
08 91 19 00-0205	EA	90" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	2,544.38	162.57
		Note: Includes bird screen.		
		For Flange Frame, Add	221.92	
		For Clear Lacquer Finish, Add	443.84	
		For Baked Enamel Standard Colors, Add	665.77	
		For Anodized Finish, Add	887.69	
		For Kynar™ Standard Colors Finish, Add	1,220.57	
08 91 19 00-0206	EA	90" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	2,827.58	175.48
		Note: Includes bird screen.		
		For Flange Frame, Add	247.66	
		For Clear Lacquer Finish, Add	495.32	
		For Baked Enamel Standard Colors, Add	742.99	
		For Anodized Finish, Add	990.65	
		For Kynar™ Standard Colors Finish, Add	1,362.14	
08 91 19 00-0207	EA	90" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	2,998.08	183.22
		Note: Includes bird screen.		
		For Flange Frame, Add	263.16	
		For Clear Lacquer Finish, Add	526.33	
		For Baked Enamel Standard Colors, Add	789.49	
		For Anodized Finish, Add	1,052.65	
		For Kynar™ Standard Colors Finish, Add	1,447.40	
08 91 19 00-0208	EA	90" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	3,192.75	190.96
		Note: Includes bird screen.		
		For Flange Frame, Add	281.08	
		For Clear Lacquer Finish, Add	562.16	
		For Baked Enamel Standard Colors, Add	843.25	
		For Anodized Finish, Add	1,124.33	
		For Kynar™ Standard Colors Finish, Add	1,545.95	
08 91 19 00-0209	EA	90" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	3,394.35	196.12
		Note: Includes bird screen.		
		For Flange Frame, Add	300.21	
		For Clear Lacquer Finish, Add	600.42	
		For Baked Enamel Standard Colors, Add	900.63	
		For Anodized Finish, Add	1,200.84	
		For Kynar™ Standard Colors Finish, Add	1,651.16	
08 91 19 00-0210	EA	90" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	3,566.98	203.87
		Note: Includes bird screen.		
		For Flange Frame, Add	315.92	
		For Clear Lacquer Finish, Add	631.85	
		For Baked Enamel Standard Colors, Add	947.77	
		For Anodized Finish, Add	1,263.70	
		For Kynar™ Standard Colors Finish, Add	1,737.58	
08 91 19 00-0211	EA	90" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	3,836.13	209.03
		Note: Includes bird screen.		
		For Flange Frame, Add	341.81	
		For Clear Lacquer Finish, Add	683.61	
		For Baked Enamel Standard Colors, Add	1,025.42	
		For Anodized Finish, Add	1,367.23	
		For Kynar™ Standard Colors Finish, Add	1,879.94	
08 91 19 00-0212	EA	96" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,006.39	103.23
		Note: Includes bird screen.		
		For Flange Frame, Add	79.99	
		For Clear Lacquer Finish, Add	159.99	
		For Baked Enamel Standard Colors, Add	239.98	
		For Anodized Finish, Add	319.98	
		For Kynar™ Standard Colors Finish, Add	439.97	
08 91 19 00-0213	EA	96" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,217.96	118.71
		Note: Includes bird screen.		
		For Flange Frame, Add	98.06	
		For Clear Lacquer Finish, Add	196.11	
		For Baked Enamel Standard Colors, Add	294.17	
		For Anodized Finish, Add	392.22	
		For Kynar™ Standard Colors Finish, Add	539.30	



Openings	08
Louvers And Vents	08 90
Louvers	08 91

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0214	EA	96" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,419.60 115.12 230.24 345.36 460.48 633.17	134.19
08 91	19 00-0215	EA	96" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,625.64 134.18 268.35 402.53 536.71 737.97	141.93
08 91	19 00-0216	EA	96" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,903.32 160.91 321.83 482.74 643.65 885.02	147.09
08 91	19 00-0217	EA	96" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	2,108.47 180.40 360.79 541.19 721.58 992.18	152.26
08 91	19 00-0218	EA	96" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	2,287.31 197.25 394.50 591.74 788.99 1,084.86	157.42
08 91	19 00-0219	EA	96" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	2,483.23 215.81 431.61 647.42 863.23 1,186.94	162.57
08 91	19 00-0220	EA	96" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	2,664.91 232.94 465.89 698.83 931.77 1,281.19	167.74
08 91	19 00-0221	EA	96" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	2,968.75 260.75 521.49 782.24 1,042.98 1,434.10	180.64
08 91	19 00-0222	EA	96" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	2,379.83 200.31 400.61 600.92 801.22 1,101.68	188.38
08 91	19 00-0223	EA	96" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	3,343.86 295.16 590.32 885.48 1,180.64 1,623.99	196.12
08 91	19 00-0224	EA	96" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	3,552.58 315.00 630.00 945.00 1,260.00 1,732.50	201.29
08 91	19 00-0225	EA	96" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	3,733.73 331.57 663.13 994.70 1,326.27 1,823.62	209.03

08 Openings
08 90 Louvers And Vents
 08 91 Louvers



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 91 19 00-0226	EA	96" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	4,024.39	216.77
		Note: Includes bird screen.		
		For Flange Frame, Add	359.09	
		For Clear Lacquer Finish, Add	718.17	
		For Baked Enamel Standard Colors, Add	1,077.26	
		For Anodized Finish, Add	1,436.34	
		For Kynar™ Standard Colors Finish, Add	1,974.97	
08 91 19 00-0227		Gable Louver Vents <small>(08 91 19)</small>		
		Note: 1" deep, residential/light commercial grade louvers.		
08 91 19 00-0228		Aluminum Gable Louver Vents <small>(08 91 19 00-0227)</small>		
		Note: Includes screen.		
08 91 19 00-0229		Rectangular Aluminum Gable Louver Vents <small>(08 91 19 00-0228)</small>		
		Note: Includes screen.		
08 91 19 00-0230	EA	12" x 18" Rectangular Fixed Aluminum Gable Louver Vent.....	158.07	9.18
08 91 19 00-0231	EA	12" x 24" Rectangular Fixed Aluminum Gable Louver Vent.....	173.32	10.53
08 91 19 00-0232	EA	18" x 24" Rectangular Fixed Aluminum Gable Louver Vent.....	199.77	11.89
08 91 19 00-0233	EA	18" x 30" Rectangular Fixed Aluminum Gable Louver Vent.....	218.76	12.65
08 91 19 00-0234	EA	24" x 30" Rectangular Fixed Aluminum Gable Louver Vent.....	248.92	13.39
08 91 19 00-0235	EA	24" x 36" Rectangular Fixed Aluminum Gable Louver Vent.....	279.30	16.06
08 91 19 00-0236	EA	30" x 36" Rectangular Fixed Aluminum Gable Louver Vent.....	324.88	20.07
08 91 19 00-0237	EA	30" x 42" Rectangular Fixed Aluminum Gable Louver Vent.....	362.86	23.42
08 91 19 00-0238	EA	36" x 42" Rectangular Fixed Aluminum Gable Louver Vent.....	416.04	28.12
08 91 19 00-0239	EA	42" x 48" Rectangular Fixed Aluminum Gable Louver Vent.....	522.38	37.47
08 91 19 00-0240		Square Aluminum Gable Louver Vents <small>(08 91 19 00-0228)</small>		
		Note: Includes screen.		
08 91 19 00-0241	EA	12" x 12" Square Fixed Aluminum Gable Louver Vent.....	144.73	8.45
08 91 19 00-0242	EA	18" x 18" Square Fixed Aluminum Gable Louver Vent.....	179.43	10.71
08 91 19 00-0243	EA	24" x 24" Square Fixed Aluminum Gable Louver Vent.....	224.34	12.64
08 91 19 00-0244	EA	30" x 30" Square Fixed Aluminum Gable Louver Vent.....	286.90	16.73
08 91 19 00-0245	EA	36" x 36" Square Fixed Aluminum Gable Louver Vent.....	370.47	24.09
08 91 19 00-0246	EA	42" x 42" Square Fixed Aluminum Gable Louver Vent.....	469.13	32.77
08 91 19 00-0247	EA	48" x 48" Square Fixed Aluminum Gable Louver Vent.....	583.15	42.83
08 91 19 00-0248		Round Aluminum Gable Louver Vents <small>(08 91 19 00-0228)</small>		
		Note: Includes screen.		
08 91 19 00-0249	EA	12" Diameter Round Fixed Aluminum Gable Louver Vent.....	144.73	8.45
08 91 19 00-0250	EA	18" Diameter Round Fixed Aluminum Gable Louver Vent.....	179.43	10.71
08 91 19 00-0251	EA	24" Diameter Round Fixed Aluminum Gable Louver Vent.....	224.34	12.64
08 91 19 00-0252	EA	30" Diameter Round Fixed Aluminum Gable Louver Vent.....	286.90	16.73
08 91 19 00-0253	EA	36" Diameter Round Fixed Aluminum Gable Louver Vent.....	370.47	24.09
08 91 19 00-0254	EA	42" Diameter Round Fixed Aluminum Gable Louver Vent.....	469.20	32.79
08 91 19 00-0255		Octagonal Aluminum Gable Louver Vents <small>(08 91 19 00-0228)</small>		
		Note: Includes screen.		
08 91 19 00-0256	EA	12" x 12" Octagonal Fixed Aluminum Gable Louver Vent.....	144.73	8.45
08 91 19 00-0257	EA	12" x 18" Octagonal Fixed Aluminum Gable Louver Vent.....	158.07	9.18
08 91 19 00-0258	EA	12" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	173.32	10.53
08 91 19 00-0259	EA	18" x 18" Octagonal Fixed Aluminum Gable Louver Vent.....	179.43	10.71
08 91 19 00-0260	EA	18" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	199.77	11.89
08 91 19 00-0261	EA	18" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	218.76	12.65
08 91 19 00-0262	EA	24" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	224.34	12.64
08 91 19 00-0263	EA	24" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	248.92	13.39
08 91 19 00-0264	EA	24" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	279.30	16.06
08 91 19 00-0265	EA	30" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	286.90	16.73
08 91 19 00-0266	EA	30" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	324.88	20.07
08 91 19 00-0267	EA	30" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	362.86	23.42
08 91 19 00-0268	EA	36" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	370.47	24.09
08 91 19 00-0269	EA	36" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	416.04	28.12
08 91 19 00-0270	EA	36" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	461.62	32.13
08 91 19 00-0271	EA	42" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	469.20	32.79
08 91 19 00-0272	EA	42" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	522.38	37.47
08 91 19 00-0273	EA	48" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	583.15	42.83
08 91 19 00-0274		Round Top Aluminum Gable Louver Vents <small>(08 91 19 00-0228)</small>		
		Note: Includes screen.		
08 91 19 00-0275	EA	12" x 12" Round Top Fixed Aluminum Gable Louver Vent	144.73	8.45
08 91 19 00-0276	EA	12" x 18" Round Top Fixed Aluminum Gable Louver Vent	158.07	9.18
08 91 19 00-0277	EA	12" x 24" Round Top Fixed Aluminum Gable Louver Vent	173.32	10.53
08 91 19 00-0278	EA	18" x 18" Round Top Fixed Aluminum Gable Louver Vent	179.43	10.71
08 91 19 00-0279	EA	18" x 24" Round Top Fixed Aluminum Gable Louver Vent	199.77	11.89
08 91 19 00-0280	EA	18" x 30" Round Top Fixed Aluminum Gable Louver Vent	218.76	12.65
08 91 19 00-0281	EA	24" x 24" Round Top Fixed Aluminum Gable Louver Vent	224.34	12.64
08 91 19 00-0282	EA	24" x 30" Round Top Fixed Aluminum Gable Louver Vent	248.92	13.39
08 91 19 00-0283	EA	24" x 36" Round Top Fixed Aluminum Gable Louver Vent	279.30	16.06



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0284	EA		30" x 30" Round Top Fixed Aluminum Gable Louver Vent	286.90	16.73
08 91 19 00-0285	EA		30" x 36" Round Top Fixed Aluminum Gable Louver Vent	324.88	20.07
08 91 19 00-0286	EA		30" x 42" Round Top Fixed Aluminum Gable Louver Vent	362.86	23.42
08 91 19 00-0287	EA		36" x 36" Round Top Fixed Aluminum Gable Louver Vent	370.47	24.09
08 91 19 00-0288	EA		36" x 42" Round Top Fixed Aluminum Gable Louver Vent	416.04	28.12
08 91 19 00-0289	EA		36" x 48" Round Top Fixed Aluminum Gable Louver Vent	461.62	32.13
08 91 19 00-0290	EA		42" x 42" Round Top Fixed Aluminum Gable Louver Vent	469.20	32.79
08 91 19 00-0291	EA		42" x 48" Round Top Fixed Aluminum Gable Louver Vent	522.38	37.47
08 91 19 00-0292	EA		48" x 48" Round Top Fixed Aluminum Gable Louver Vent	583.15	42.83
08 91 19 00-0293	Triangle Aluminum Gable Louver Vents (08 91 19 00-0228)				
	Note: Includes screen.				
08 91 19 00-0294	EA		36" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	296.23	10.53
08 91 19 00-0295	EA		36" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	336.07	12.64
08 91 19 00-0296	EA		48" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	360.66	13.39
08 91 19 00-0297	EA		48" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	413.38	16.06
08 91 19 00-0298	EA		48" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	460.08	16.73
08 91 19 00-0299	EA		60" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent.....	380.75	20.07
08 91 19 00-0300	EA		60" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	446.66	23.42
08 91 19 00-0301	EA		60" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	504.55	24.09
08 91 19 00-0302	EA		60" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	572.46	28.12
08 91 19 00-0303	EA		72" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent.....	461.62	32.13
08 91 19 00-0304	EA		72" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	530.66	32.79
08 91 19 00-0305	EA		72" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	611.77	37.47
08 91 19 00-0306	EA		72" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	694.89	42.83
08 91 19 00-0307	EA		72" Base x 48" High Triangle Fixed Aluminum Gable Louver Vent.....	781.10	49.22
08 91 19 00-0308	Vinyl Gable Louver Vents (08 91 19 00-0227)				
	Note: Includes screen.				
08 91 19 00-0309	EA		12" x 12" Square Fixed Vinyl Gable Louver Vent.....	51.18	8.45
08 91 19 00-0310	EA		12" x 18" Rectangular Fixed Vinyl Gable Louver Vent.....	61.11	9.18
08 91 19 00-0311	EA		18" x 24" Rectangular Fixed Vinyl Gable Louver Vent.....	82.94	11.89
08 91 19 00-0312	EA		24" x 30" Rectangular Fixed Vinyl Gable Louver Vent.....	111.53	13.39
08 91 19 00-0313	EA		18" Diameter Round Fixed Vinyl Gable Louver Vent.....	79.72	10.71
08 91 19 00-0314	EA		22" Diameter Round Fixed Vinyl Gable Louver Vent.....	92.31	12.64
08 91 19 00-0315	EA		30" Diameter Round Fixed Vinyl Gable Louver Vent.....	129.38	16.73
08 91 19 00-0316	EA		36" Diameter Round Fixed Vinyl Gable Louver Vent.....	188.85	24.09
08 91 19 00-0317	EA		18" x 18" Octagonal Fixed Vinyl Gable Louver Vent.....	79.72	10.71
08 91 19 00-0318	EA		22" x 22" Octagonal Fixed Vinyl Gable Louver Vent.....	90.09	11.89
08 91 19 00-0319	EA		27" x 27" Octagonal Fixed Vinyl Gable Louver Vent.....	114.83	13.39
08 91 19 00-0320	EA		32" x 32" Octagonal Fixed Vinyl Gable Louver Vent.....	163.82	20.07
08 91 19 00-0321	EA		40" x 40" Octagonal Fixed Vinyl Gable Louver Vent.....	378.28	32.13
08 91 19 00-0322	EA		14" x 22" Round Top Fixed Vinyl Gable Louver Vent.....	78.16	10.53
08 91 19 00-0323	EA		22" x 32" Round Top Fixed Vinyl Gable Louver Vent.....	108.00	13.39
08 91 19 00-0324	EA		34" x 22" Half Round Fixed Vinyl Gable Louver Vent.....	113.46	16.06
08 91 19 00-0325	EA		52" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent.....	248.44	20.07
08 91 19 00-0326	EA		56" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent.....	248.44	20.07
08 91 19 00-0327	EA		56" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent.....	248.44	20.07
08 91 19 00-0328	EA		62" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent.....	248.44	20.07
08 91 19 00-0329	EA		62-1/2" Base x 21" High Triangle Fixed Vinyl Gable Louver Vent.....	248.44	20.07
08 91 19 00-0330	EA		70-1/2" Base x 17" High Triangle Fixed Vinyl Gable Louver Vent.....	284.62	32.13
08 91 19 00-0331	EA		70-1/2" Base x 20-1/2" High Triangle Fixed Vinyl Gable Louver Vent.....	284.62	32.13
08 91 19 00-0332	EA		72-1/2" Base x 18" High Triangle Fixed Vinyl Gable Louver Vent.....	284.62	32.13
08 91 19 00-0333	EA		74" Base x 14-1/2" High Triangle Fixed Vinyl Gable Louver Vent.....	284.62	32.13
08 95	Vents (08 90)				
08 95 13	Soffit Vents (08 95)				
08 95 13 00-0001	Aluminum Soffit Vents (08 95 13)				
08 95 13 00-0002	LF		2-1/2" Wide Aluminum Soffit Vent.....	6.13	2.37
08 95 13 00-0003	LF		3" Wide Aluminum Soffit Vent.....	11.34	4.64
08 95 13 00-0004	EA		4" x 16" Under Eave Vent, Mill Finish	17.56	6.19
08 95 13 00-0005	EA		8" x 16" Under Eave Vent, Mill Finish	18.05	6.19
08 95 13 00-0006	Vinyl Soffit Vents (08 95 13)				
08 95 13 00-0007	LF		Up To 2" Vinyl Soffit Vent, Perforated, White.....	5.07	2.21
			<i>For Colors, Add</i>	0.07	
08 95 13 00-0008	LF		3" To 4" Vinyl Soffit Vent, Perforated, White.....	5.10	2.21
			<i>For Colors, Add</i>	0.07	
08 95 16	Wall Vents (08 95)				
08 95 16 00-0001	Foundation Vents (08 95 16)				
08 95 16 00-0002	SI		Galvanized Steel Foundation Vent.....	0.43	0.17
08 95 16 00-0003	SI		Aluminum Foundation Vent.....	0.61	0.17

08	08	Openings
	08 90	Louvers And Vents
	08 95	Vents



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 95 16 00-0004	SI	Stainless Steel Foundation Vent.....		0.71	0.17
08 95 16 00-0005	SI	Plastic Foundation Vent.....		0.36	0.17

END OF SECTION 08



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 Finishes

09 01 Maintenance Of Finishes ⁽⁰⁹⁾

09 01 20 Maintenance Of Plaster And Gypsum Board ^(09 01)

09 01 20 91 Plaster Restoration ^(09 01 20)

09 01 20 91-0001	SF	Cut And Patch Hole In Gypsum Board To Match Existing ^(09 01 20 91) Note: Includes cutting of existing gypsum board, cutting new board to fit opening, finishing, and disposal of debris into dumpster. Per location. See CSI section 09 29 00 00-0000 for "Gypsum Board" repairs > 32 SF.	
09 01 20 91-0002	SF	Up To 2 SF, Cut And Patch Hole In Gypsum Board To Match Existing.....	17.44
		Note: Per location.	
09 01 20 91-0003	SF	>2 To 4 SF, Cut And Patch Hole In Gypsum Board To Match Existing	14.05
		Note: Per location.	
09 01 20 91-0004	SF	>4 To 8 SF, Cut And Patch Hole In Gypsum Board To Match Existing	12.59
		Note: Per location.	
09 01 20 91-0005	SF	>8 To 16 SF, Cut And Patch Hole In Gypsum Board To Match Existing	11.09
		Note: Per location.	
09 01 20 91-0006	SF	>16 To 32 SF, Cut And Patch Hole In Gypsum Board To Match Existing	9.91
		Note: Per location. See CSI section 09 29 10 00-0001 for "Gypsum Board" repairs > 32 SF.	
09 01 20 91-0007		Plaster/Stucco Repair ^(09 01 20 91) Note: Per location.	
09 01 20 91-0008		Clean And Repair Crack In Plaster/Stucco ^(09 01 20 91-0007) Note: Includes plaster weld.	
09 01 20 91-0009	LF	Up To 10', Chip, Clean And Repair Crack In Plaster/Stucco	17.09
09 01 20 91-0010	LF	>10' To 50', Chip, Clean And Repair Crack In Plaster/Stucco	13.70
09 01 20 91-0011	LF	>50' To 100', Chip, Clean And Repair Crack In Plaster/Stucco	11.16
09 01 20 91-0012	LF	>100' To 250', Chip, Clean And Repair Crack In Plaster/Stucco	8.62
09 01 20 91-0013	LF	>250' To 500', Chip, Clean And Repair Crack In Plaster/Stucco	6.92
09 01 20 91-0014	LF	>500', Chip, Clean And Repair Crack In Plaster/Stucco	5.24
09 01 20 91-0015		Cut And Patch Hole In Plaster To Match Existing ^(09 01 20 91-0007) Note: Includes plaster weld.	
09 01 20 91-0016	SF	Up To 10 SF, Cut And Patch Hole In Plaster To Match Existing.....	15.99
09 01 20 91-0017	SF	>10 To 50 SF, Cut And Patch Hole In Plaster To Match Existing	14.12
09 01 20 91-0018	SF	>50 To 100 SF, Cut And Patch Hole In Plaster To Match Existing	12.96
09 01 20 91-0019	SF	>100 To 250 SF, Cut And Patch Hole In Plaster To Match Existing	12.02
09 01 20 91-0020	SF	>250 To 500 SF, Cut And Patch Hole In Plaster To Match Existing	11.19
09 01 20 91-0021	SF	>500 SF, Cut And Patch Hole In Plaster To Match Existing	10.28
09 01 20 91-0022		Chip, Clean And Repair Plaster/Stucco ^(09 01 20 91-0007) Note: Includes plaster weld.	
09 01 20 91-0023	SF	Up To 10 SF, Chip, Clean And Repair Plaster/Stucco.....	30.51
09 01 20 91-0024	SF	>10 To 50 SF, Chip, Clean And Repair Plaster/Stucco	22.04
09 01 20 91-0025	SF	>50 To 250 SF, Chip, Clean And Repair Plaster/Stucco	16.11
09 01 20 91-0026	SF	>250 SF, Chip, Clean And Repair Plaster/Stucco	12.72

09 01 30 Maintenance of Tiling ^(09 01)

09 01 30 91 Tile Restoration ^(09 01 30)

09 01 30 91-0001	SF	RegROUT Floor Tile Including Removal Of Loose Grout	6.59
09 01 30 91-0002	SF	RegROUT Wall Tile Including Removal Of Loose Grout	8.21
09 01 30 91-0003	SF	Up To 1 SF, Cut And Patch Hole In Wall Tile To Match Existing	43.51
		Note: Per location.	

09 01 60 Maintenance Of Flooring ^(09 01)

09 01 60 91 Flooring Restoration ^(09 01 60)

09 01 60 91-0001		Grinding, Polishing And Sealing Terrazzo ^(09 01 60 91)	
09 01 60 91-0002	CSF	Grinding, Polishing And Sealing Existing Terrazzo.....	270.74
09 01 60 91-0003	SF	Removal Of Setting Bed And Clean Area For Terrazzo Repair	4.10
09 01 60 91-0004	SF	Repair Existing Terrazzo.....	19.22
09 01 60 91-0005	LF	Repair Cracks In Existing Terrazzo	4.28
09 01 60 91-0006		Standard Flooring Maintenance ^(09 01 60 91)	
09 01 60 91-0007	CSF	Steam Clean Carpet.....	34.90
09 01 60 91-0008	CSF	Wax And Polish Tile And VCT Flooring	37.62
		For Additional Coat, Add	31.18
		For Stripping Existing Wax From Floor, Add	35.30

09	09 Finishes
	09 01 Maintenance Of Finishes
	09 01 60 Maintenance Of Flooring



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 60 91-0009 CSF Wax And Polish Wood Flooring <i>For Additional Coat, Add For Stripping Existing Wax From Floor, Add</i>	21.61 18.75 35.30	
09 01 60 91-0010 MSF Vacuum Floors.....	19.85	
09 01 60 91-0011 Prepare Existing Concrete Floor Prior To Installation Of Carpet (09 01 60 91)		
09 01 60 91-0012 SY Grinding Of Existing Concrete Floor Prior To Installation Of Carpet	12.30	
09 01 60 91-0013 SY Chemical Prepare Existing Concrete Floor Prior To Installation Of Carpet.....	6.42	
09 01 60 91-0014 Masonry/Tile/Stone/Terrazzo Floor Sealants (09 01 60 91)		
09 01 60 91-0015 SF Water-Based Emulsion Masonry/Tile/Stone/Terrazzo Floor Sealant/Finish, Per Coat..... <i>Note: For terrazzo, concrete, quarry tile, brick and unglazed ceramic tile.</i>	1.12	
09 01 60 91-0016 SF Fluorochemical Acrylate Copolymer Masonry/Tile/Stone/Terrazzo Floor Sealant	1.23	
09 01 60 91-0017 GAL Masonry/Tile/Stone/Terrazzo Floor Sealant (Extra To Be Provided To Owner).....	33.79	
09 01 80 Maintenance Of Acoustic Treatment (09 01)		
09 01 80 00-0001 Removal Of Acoustical Ceiling Treatment (09 01 80)		
09 01 80 00-0002 SF Removal Of Acoustical And Popcorn Ceilings Treatment.....	2.15	
09 05 Common Work Results For Finishes (09)		
09 05 61 Common Work Results for Flooring Preparation (09 05)		
09 05 61 13 Moisture Vapor Emission Control (09 05 61)		
09 05 61 13-0001 Moisture Vapor Reduction (Koester VAP) (09 05 61 13)		
09 05 61 13-0002 EA Up To 200 SF, Water Vapor Emission Control System (Koester VAP 1-2000)..... <i>Note: Clear</i>	2,008.50	
09 05 61 13-0003 SF >200 To 500 SF, Water Vapor Emission Control System (Koester VAP 1-2001)	10.63	
09 05 61 13-0004 SF >500 To 1,000 SF, Water Vapor Emission Control System (Koester VAP 1-2002)	7.10	
09 05 61 13-0005 SF >1,000 To 3,000 SF, Water Vapor Emission Control System (Koester VAP 1-2003)	5.91	
09 05 61 13-0006 SF >3,000 SF, Water Vapor Emission Control System (Koester VAP 1-2004)	4.72	
09 05 61 13-0007 Moisture Vapor Transmission Control (Dependable Cutdown® II) (09 05 61 13)		
09 05 61 13-0008 SF 8# Two Coats, Moisture Vapor Transmission Control (Dependable Cutdown® II)	3.17	
09 05 61 13-0009 SF 15# Two Coats, Moisture Vapor Transmission Control (Dependable Cutdown® II)	4.17	
09 05 71 Acoustic Underlayment (09 05)		
09 05 71 00-0001 Tile And Stone Acoustical Underlayment (09 05 71)		
09 05 71 00-0002 SF 5 Mil Tile And Stone Acoustical Underlayment (EasyMat)	2.88	
	<i>For Chemical Resistant Epoxy Grout, Add</i>	0.38
09 05 71 00-0003 Resilient Floor Acoustical Underlayment (09 05 71)		
09 05 71 00-0004 SF Vinyl, Linoleum, LVT And Vinyl Strip Flooring Acoustical Underlayment (Impacta, Soundseal VC300)	2.19	
09 05 71 00-0005 SF 2 MM Thick Resilient Plank Floor Acoustical Underlayment (Floormuffler).....	1.39	
09 05 71 00-0006 SF 0.055" Thick High Density Polyurethane Foam Floor Acoustical Underlayment (Silencer LVT)	1.74	
09 20 Plaster And Gypsum Board (09)		
09 22 Supports For Plaster And Gypsum Board (09 20)		
<i>Note: Per SF of wall area measures one side. Do not deduct for opens of less than 25 SF when calculating total wall square footage.</i>		
09 22 13 Metal Furring (09 22)		
09 22 13 13 Metal Channel Furring (09 22 13)		
09 22 13 13-0001 Hat Furring Channel (09 22 13 13) <i>Note: Includes clips where required.</i>		
09 22 13 13-0002 Installed On Walls, Hat Furring Channel (09 22 13 13-0001)		
09 22 13 13-0003 SF 7/8", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel	3.38	1.42
	<i>For Walls >10' High, Add</i>	0.42
	<i>For 24" On Center, Deduct</i>	-0.39
	<i>For 12" On Center, Add</i>	0.53
	<i>For 22 Gauge, Add</i>	0.49
	<i>For 20 Gauge, Add</i>	0.79



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 13 13-0004 SF 1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel.....	3.59	1.42
<i>For Walls >10' High, Add</i>	0.42	
<i>For 24" On Center, Deduct</i>	-0.44	
<i>For 12" On Center, Add</i>	0.58	
<i>For 22 Gauge, Add</i>	0.59	
<i>For 20 Gauge, Add</i>	0.93	
09 22 13 13-0005 Installed On Columns And Beams, Hat Furring Channel <small>(09 22 13 13-0001)</small>		
09 22 13 13-0006 SF 7/8", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel	4.91	2.18
<i>For Columns And Beams >10' High, Add</i>	0.87	
<i>For 24" On Center, Deduct</i>	-0.55	
<i>For 12" On Center, Add</i>	0.76	
<i>For 22 Gauge, Add</i>	0.60	
<i>For 20 Gauge, Add</i>	1.02	
09 22 13 13-0007 SF 1-1/2", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel	5.12	2.18
<i>For Columns And Beams >10' High, Add</i>	0.87	
<i>For 24" On Center, Deduct</i>	-0.59	
<i>For 12" On Center, Add</i>	0.81	
<i>For 22 Gauge, Add</i>	0.71	
<i>For 20 Gauge, Add</i>	1.16	
09 22 13 13-0008 Installed On Ceilings, Hat Furring Channel <small>(09 22 13 13-0001)</small>		
09 22 13 13-0009 SF 7/8", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel	4.40	1.75
<i>For Ceilings >10' High, Add</i>	0.52	
<i>For 24" On Center, Deduct</i>	-0.53	
<i>For 12" On Center, Add</i>	0.71	
<i>For 22 Gauge, Add</i>	0.72	
<i>For 20 Gauge, Add</i>	1.12	
09 22 13 13-0010 SF 1-1/2", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel	4.61	1.75
<i>For Ceilings >10' High, Add</i>	0.52	
<i>For 24" On Center, Deduct</i>	-0.57	
<i>For 12" On Center, Add</i>	0.75	
<i>For 22 Gauge, Add</i>	0.82	
<i>For 20 Gauge, Add</i>	1.26	
09 22 13 13-0011 Z Furring Channel <small>(09 22 13 13)</small>		
09 22 13 13-0012 Installed On Walls, Z Furring Channel <small>(09 22 13 13-0011)</small>		
09 22 13 13-0013 SF 1", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	3.00	1.42
<i>For Walls >10' High, Add</i>	0.42	
<i>For 24" On Center, Deduct</i>	-0.32	
<i>For 12" On Center, Add</i>	0.46	
<i>For 22 Gauge, Add</i>	0.30	
<i>For 20 Gauge, Add</i>	0.54	
09 22 13 13-0014 SF 1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	3.04	1.42
<i>For Walls >10' High, Add</i>	0.42	
<i>For 24" On Center, Deduct</i>	-0.33	
<i>For 12" On Center, Add</i>	0.47	
<i>For 22 Gauge, Add</i>	0.32	
<i>For 20 Gauge, Add</i>	0.56	
09 22 13 13-0015 SF 2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	3.07	1.42
<i>For Walls >10' High, Add</i>	0.42	
<i>For 24" On Center, Deduct</i>	-0.33	
<i>For 12" On Center, Add</i>	0.47	
<i>For 22 Gauge, Add</i>	0.33	
<i>For 20 Gauge, Add</i>	0.58	
09 22 13 13-0016 SF 2-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	3.09	1.42
<i>For Walls >10' High, Add</i>	0.42	
<i>For 24" On Center, Deduct</i>	-0.34	
<i>For 12" On Center, Add</i>	0.48	
<i>For 22 Gauge, Add</i>	0.34	
<i>For 20 Gauge, Add</i>	0.60	
09 22 13 13-0017 SF 3", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	3.12	1.42
<i>For Walls >10' High, Add</i>	0.42	
<i>For 24" On Center, Deduct</i>	-0.34	
<i>For 12" On Center, Add</i>	0.48	
<i>For 22 Gauge, Add</i>	0.36	
<i>For 20 Gauge, Add</i>	0.62	
09 22 13 23 Resilient Channel Furring <small>(09 22 13)</small>		
09 22 13 23-0001 Single-Leg Resilient Channel, RC1 Furring Channel <small>(09 22 13 23)</small>		
Note: Includes clips where required.		
09 22 13 23-0002 Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel <small>(09 22 13 23-0001)</small>		
09 22 13 23-0003 SF 25 Gauge, 16" On Center, Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel.....	3.20	1.42
<i>For Walls >10' High, Add</i>	0.42	
<i>For 24" On Center, Deduct</i>	-0.36	
<i>For 12" On Center, Add</i>	0.50	
<i>For 20 Gauge, Add</i>	0.67	

09 Finishes

09 20 Plaster And Gypsum Board

09 22 Supports For Plaster And Gypsum Board



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
09 22 13 23-0004		Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel <small>(09 22 13 23-0001)</small>			
09 22 13 23-0005	SF	25 Gauge, 16" On Center, Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel.....	3.86		1.75
		<i>For Ceilings >10' High, Add</i>	0.52		
		<i>For 24" On Center, Deduct</i>	-0.42		
		<i>For 12" On Center, Add</i>	0.60		
		<i>For 20 Gauge, Add</i>	0.77		
09 22 13 23-0006		Double-Leg Resilient Channel, RC2 Furring Channel <small>(09 22 13 23)</small> Note: Includes clips where required.			
09 22 13 23-0007		Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel <small>(09 22 13 23-0006)</small>			
09 22 13 23-0008	SF	25 Gauge, 16" On Center, Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel	3.34		1.42
		<i>For Walls >10' High, Add</i>	0.42		
		<i>For 24" On Center, Deduct</i>	-0.39		
		<i>For 12" On Center, Add</i>	0.53		
		<i>For 20 Gauge, Add</i>	0.76		
09 22 13 23-0009		Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel <small>(09 22 13 23-0006)</small>			
09 22 13 23-0010	SF	25 Gauge, 16" On Center, Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel	4.00		1.75
		<i>For Ceilings >10' High, Add</i>	0.52		
		<i>For 24" On Center, Deduct</i>	-0.45		
		<i>For 12" On Center, Add</i>	0.63		
		<i>For 20 Gauge, Add</i>	0.86		
09 22 16		Non-Structural Metal Framing <small>(09 22)</small> Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.			
09 22 16 13		Non-Structural Metal Stud Framing <small>(09 22 16)</small>			
09 22 16 13-0001		25 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners <small>(09 22 16 13)</small>			
09 22 16 13-0002	SF	1-5/8" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	2.08		0.59
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.04		
		<i>For Walls >10' High, Add</i>	0.42		
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	1.39		
		<i>For Soffit, Columns Or Beams >10' High, Add</i>	1.84		
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.43		
		<i>For Horizontal Installation >10' High, Add</i>	0.58		
		<i>For Curved Wall, Add</i>	0.44		
		<i>For 12" On Center, Add</i>	0.34		
		<i>For 24" On Center, Deduct</i>	-0.34		
		<i>For Up To 100, Add</i>	0.71		
		<i>For >100 To 300, Add</i>	0.36		
		<i>For >1,000, Deduct</i>	-0.16		
09 22 16 13-0003	SF	2-1/2" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	2.21		0.62
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.04		
		<i>For Walls >10' High, Add</i>	0.44		
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	1.46		
		<i>For Soffit, Columns Or Beams >10' High, Add</i>	1.93		
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.45		
		<i>For Horizontal Installation >10' High, Add</i>	0.61		
		<i>For Curved Wall, Add</i>	0.47		
		<i>For 12" On Center, Add</i>	0.36		
		<i>For 24" On Center, Deduct</i>	-0.36		
		<i>For Up To 100, Add</i>	0.75		
		<i>For >100 To 300, Add</i>	0.38		
		<i>For >1,000, Deduct</i>	-0.18		
09 22 16 13-0004	SF	3-5/8" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	2.40		0.64
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.04		
		<i>For Walls >10' High, Add</i>	0.48		
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	1.54		
		<i>For Soffit, Columns Or Beams >10' High, Add</i>	2.03		
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.48		
		<i>For Horizontal Installation >10' High, Add</i>	0.65		
		<i>For Curved Wall, Add</i>	0.49		
		<i>For 12" On Center, Add</i>	0.40		
		<i>For 24" On Center, Deduct</i>	-0.40		
		<i>For Up To 100, Add</i>	0.81		
		<i>For >100 To 300, Add</i>	0.40		
		<i>For >1,000, Deduct</i>	-0.20		



Finishes	09	9
Plaster And Gypsum Board	09 20	
Supports For Plaster And Gypsum Board	09 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0005 SF 4" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	2.55	0.68
For Powder-Actuated Fasteners Every 2', Add	0.04	
For Walls >10' High, Add	0.51	
For Soffit, Columns Or Beams Up To 10' High, Add	1.62	
For Soffit, Columns Or Beams >10' High, Add	2.13	
For Horizontal Installation Up To 10' High, Add	0.51	
For Horizontal Installation >10' High, Add	0.68	
For Curved Wall, Add	0.51	
For 12" On Center, Add	0.43	
For 24" On Center, Deduct	-0.43	
For Up To 100, Add	0.85	
For >100 To 300, Add	0.43	
For >1,000, Deduct	-0.21	
09 22 16 13-0006 SF 6" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	2.83	0.71
For Powder-Actuated Fasteners Every 2', Add	0.04	
For Walls >10' High, Add	0.57	
For Soffit, Columns Or Beams Up To 10' High, Add	1.72	
For Soffit, Columns Or Beams >10' High, Add	2.25	
For Horizontal Installation Up To 10' High, Add	0.55	
For Horizontal Installation >10' High, Add	0.73	
For Curved Wall, Add	0.54	
For 12" On Center, Add	0.48	
For 24" On Center, Deduct	-0.48	
For Up To 100, Add	0.92	
For >100 To 300, Add	0.46	
For >1,000, Deduct	-0.25	
09 22 16 13-0007 20 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners (09 22 16 13)		
09 22 16 13-0008 SF 1-5/8" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	2.31	0.60
For Powder-Actuated Fasteners Every 2', Add	0.04	
For Walls >10' High, Add	0.46	
For Soffit, Columns Or Beams Up To 10' High, Add	1.44	
For Soffit, Columns Or Beams >10' High, Add	1.89	
For Horizontal Installation Up To 10' High, Add	0.46	
For Horizontal Installation >10' High, Add	0.61	
For Curved Wall, Add	0.45	
For 12" On Center, Add	0.39	
For 24" On Center, Deduct	-0.39	
For Up To 100, Add	0.76	
For >100 To 300, Add	0.38	
For >1,000, Deduct	-0.20	
09 22 16 13-0009 SF 2-1/2" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	2.53	0.63
For Powder-Actuated Fasteners Every 2', Add	0.04	
For Walls >10' High, Add	0.51	
For Soffit, Columns Or Beams Up To 10' High, Add	1.53	
For Soffit, Columns Or Beams >10' High, Add	2.00	
For Horizontal Installation Up To 10' High, Add	0.49	
For Horizontal Installation >10' High, Add	0.65	
For Curved Wall, Add	0.48	
For 12" On Center, Add	0.43	
For 24" On Center, Deduct	-0.43	
For Up To 100, Add	0.82	
For >100 To 300, Add	0.41	
For >1,000, Deduct	-0.22	
09 22 16 13-0010 SF 3-5/8" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	2.78	0.66
For Powder-Actuated Fasteners Every 2', Add	0.04	
For Walls >10' High, Add	0.56	
For Soffit, Columns Or Beams Up To 10' High, Add	1.61	
For Soffit, Columns Or Beams >10' High, Add	2.12	
For Horizontal Installation Up To 10' High, Add	0.53	
For Horizontal Installation >10' High, Add	0.70	
For Curved Wall, Add	0.50	
For 12" On Center, Add	0.47	
For 24" On Center, Deduct	-0.47	
For Up To 100, Add	0.89	
For >100 To 300, Add	0.45	
For >1,000, Deduct	-0.25	

09 Finishes

09 20 Plaster And Gypsum Board

09 22 Supports For Plaster And Gypsum Board



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0011	SF		4" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	2.96	0.69
			For Powder-Actuated Fasteners Every 2', Add	0.04	
			For Walls >10' High, Add	0.59	
			For Soffit, Columns Or Beams Up To 10' High, Add	1.70	
			For Soffit, Columns Or Beams >10' High, Add	2.22	
			For Horizontal Installation Up To 10' High, Add	0.56	
			For Horizontal Installation >10' High, Add	0.73	
			For Curved Wall, Add	0.53	
			For 12" On Center, Add	0.50	
			For 24" On Center, Deduct	-0.50	
			For Up To 100, Add	0.94	
			For >100 To 300, Add	0.47	
			For >1,000, Deduct	-0.27	
09 22 16 13-0012	SF		6" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	3.99	0.73
			For Powder-Actuated Fasteners Every 2', Add	0.04	
			For Walls >10' High, Add	0.80	
			For Soffit, Columns Or Beams Up To 10' High, Add	1.86	
			For Soffit, Columns Or Beams >10' High, Add	2.41	
			For Horizontal Installation Up To 10' High, Add	0.67	
			For Horizontal Installation >10' High, Add	0.86	
			For Curved Wall, Add	0.55	
			For 12" On Center, Add	0.71	
			For 24" On Center, Deduct	-0.71	
			For Up To 100, Add	1.16	
			For >100 To 300, Add	0.58	
			For >1,000, Deduct	-0.42	
09 22 16 13-0013			18 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners		
			(09 22 16 13)		
09 22 16 13-0014	SF		2-1/2" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	3.39	0.64
			For Powder-Actuated Fasteners Every 2', Add	0.04	
			For Walls >10' High, Add	0.68	
			For Soffit, Columns Or Beams Up To 10' High, Add	1.64	
			For Soffit, Columns Or Beams >10' High, Add	2.13	
			For Horizontal Installation Up To 10' High, Add	0.58	
			For Horizontal Installation >10' High, Add	0.75	
			For Curved Wall, Add	0.49	
			For 12" On Center, Add	0.60	
			For 24" On Center, Deduct	-0.60	
			For Up To 100, Add	1.00	
			For >100 To 300, Add	0.50	
			For >1,000, Deduct	-0.35	
09 22 16 13-0015	SF		3-5/8" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	3.72	0.68
			For Powder-Actuated Fasteners Every 2', Add	0.04	
			For Walls >10' High, Add	0.74	
			For Soffit, Columns Or Beams Up To 10' High, Add	1.74	
			For Soffit, Columns Or Beams >10' High, Add	2.25	
			For Horizontal Installation Up To 10' High, Add	0.63	
			For Horizontal Installation >10' High, Add	0.80	
			For Curved Wall, Add	0.51	
			For 12" On Center, Add	0.66	
			For 24" On Center, Deduct	-0.66	
			For Up To 100, Add	1.09	
			For >100 To 300, Add	0.54	
			For >1,000, Deduct	-0.39	
09 22 16 13-0016	SF		4" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	3.99	0.71
			For Powder-Actuated Fasteners Every 2', Add	0.04	
			For Walls >10' High, Add	0.80	
			For Soffit, Columns Or Beams Up To 10' High, Add	1.83	
			For Soffit, Columns Or Beams >10' High, Add	2.37	
			For Horizontal Installation Up To 10' High, Add	0.67	
			For Horizontal Installation >10' High, Add	0.85	
			For Curved Wall, Add	0.54	
			For 12" On Center, Add	0.71	
			For 24" On Center, Deduct	-0.71	
			For Up To 100, Add	1.16	
			For >100 To 300, Add	0.58	
			For >1,000, Deduct	-0.42	



Finishes	09	9
Plaster And Gypsum Board	09 20	
Supports For Plaster And Gypsum Board	09 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0017 SF 6" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	5.12	0.75
For Powder-Actuated Fasteners Every 2', Add	0.04	
For Walls >10' High, Add	1.02	
For Soffit, Columns Or Beams Up To 10' High, Add	2.02	
For Soffit, Columns Or Beams >10' High, Add	2.59	
For Horizontal Installation Up To 10' High, Add	0.80	
For Horizontal Installation >10' High, Add	0.98	
For Curved Wall, Add	0.57	
For 12" On Center, Add	0.93	
For 24" On Center, Deduct	-0.93	
For Up To 100, Add	1.40	
For >100 To 300, Add	0.70	
For >1,000, Deduct	-0.58	
09 22 16 13-0018 SF 8" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	5.55	0.79
For Powder-Actuated Fasteners Every 2', Add	0.04	
For Walls >10' High, Add	1.11	
For Soffit, Columns Or Beams Up To 10' High, Add	2.13	
For Soffit, Columns Or Beams >10' High, Add	2.72	
For Horizontal Installation Up To 10' High, Add	0.85	
For Horizontal Installation >10' High, Add	1.05	
For Curved Wall, Add	0.59	
For 12" On Center, Add	1.01	
For 24" On Center, Deduct	-1.01	
For Up To 100, Add	1.50	
For >100 To 300, Add	0.75	
For >1,000, Deduct	-0.64	
09 22 16 13-0019 16 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners (09 22 16 13)		
09 22 16 13-0020 SF 2-1/2" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	3.59	0.66
For Powder-Actuated Fasteners Every 2', Add	0.04	
For Walls >10' High, Add	0.72	
For Soffit, Columns Or Beams Up To 10' High, Add	1.70	
For Soffit, Columns Or Beams >10' High, Add	2.20	
For Horizontal Installation Up To 10' High, Add	0.61	
For Horizontal Installation >10' High, Add	0.78	
For Curved Wall, Add	0.50	
For 12" On Center, Add	0.63	
For 24" On Center, Deduct	-0.63	
For Up To 100, Add	1.05	
For >100 To 300, Add	0.53	
For >1,000, Deduct	-0.37	
09 22 16 13-0021 SF 3-5/8" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	4.18	0.69
For Powder-Actuated Fasteners Every 2', Add	0.04	
For Walls >10' High, Add	0.84	
For Soffit, Columns Or Beams Up To 10' High, Add	1.82	
For Soffit, Columns Or Beams >10' High, Add	2.34	
For Horizontal Installation Up To 10' High, Add	0.68	
For Horizontal Installation >10' High, Add	0.86	
For Curved Wall, Add	0.53	
For 12" On Center, Add	0.75	
For 24" On Center, Deduct	-0.75	
For Up To 100, Add	1.19	
For >100 To 300, Add	0.59	
For >1,000, Deduct	-0.45	
09 22 16 13-0022 SF 4" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	4.41	0.73
For Powder-Actuated Fasteners Every 2', Add	0.04	
For Walls >10' High, Add	0.88	
For Soffit, Columns Or Beams Up To 10' High, Add	1.91	
For Soffit, Columns Or Beams >10' High, Add	2.45	
For Horizontal Installation Up To 10' High, Add	0.72	
For Horizontal Installation >10' High, Add	0.90	
For Curved Wall, Add	0.55	
For 12" On Center, Add	0.79	
For 24" On Center, Deduct	-0.79	
For Up To 100, Add	1.25	
For >100 To 300, Add	0.62	
For >1,000, Deduct	-0.48	

09 Finishes**09 20 Plaster And Gypsum Board****09 22 Supports For Plaster And Gypsum Board**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0023	SF		6" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	5.50	0.76
			<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.04	
			<i>For Walls >10' High, Add</i>	1.10	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.09	
			<i>For Soffit, Columns Or Beams >10' High, Add</i>	2.67	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.84	
			<i>For Horizontal Installation >10' High, Add</i>	1.03	
			<i>For Curved Wall, Add</i>	0.58	
			<i>For 12" On Center, Add</i>	1.00	
			<i>For 24" On Center, Deduct</i>	-1.00	
			<i>For Up To 100, Add</i>	1.49	
			<i>For >100 To 300, Add</i>	0.74	
			<i>For >1,000, Deduct</i>	-0.63	
09 22 16 13-0024	SF		8" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	6.05	0.81
			<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.04	
			<i>For Walls >10' High, Add</i>	1.21	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.23	
			<i>For Soffit, Columns Or Beams >10' High, Add</i>	2.84	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.91	
			<i>For Horizontal Installation >10' High, Add</i>	1.11	
			<i>For Curved Wall, Add</i>	0.61	
			<i>For 12" On Center, Add</i>	1.11	
			<i>For 24" On Center, Deduct</i>	-1.11	
			<i>For Up To 100, Add</i>	1.62	
			<i>For >100 To 300, Add</i>	0.81	
			<i>For >1,000, Deduct</i>	-0.70	
09 22 16 13-0025			Galvanized Steel Backing Plates <small>(09 22 16 13)</small>		
			Note: Used to attach fixtures, cabinets, shelves or handrails to metal stud walls.		
09 22 16 13-0026	LF		3" Wide, 25 Gauge Galvanized Steel Backing Plate.....	1.04	
09 22 16 13-0027	LF		4" Wide, 25 Gauge Galvanized Steel Backing Plate.....	1.26	
09 22 16 13-0028	LF		6" Wide, 25 Gauge Galvanized Steel Backing Plate.....	1.58	
09 22 16 13-0029	LF		8" Wide, 25 Gauge Galvanized Steel Backing Plate.....	1.91	
09 22 16 13-0030	LF		10" Wide, 25 Gauge Galvanized Steel Backing Plate.....	2.22	
09 22 16 13-0031	LF		12" Wide, 25 Gauge Galvanized Steel Backing Plate.....	2.66	
09 22 16 13-0032	LF		3" Wide, 20 Gauge Galvanized Steel Backing Plate.....	1.29	
09 22 16 13-0033	LF		4" Wide, 20 Gauge Galvanized Steel Backing Plate.....	1.57	
09 22 16 13-0034	LF		6" Wide, 20 Gauge Galvanized Steel Backing Plate.....	2.05	
09 22 16 13-0035	LF		8" Wide, 20 Gauge Galvanized Steel Backing Plate.....	2.54	
09 22 16 13-0036	LF		10" Wide, 20 Gauge Galvanized Steel Backing Plate.....	3.02	
09 22 16 13-0037	LF		12" Wide, 20 Gauge Galvanized Steel Backing Plate.....	3.60	
09 22 16 13-0038	LF		3" Wide, 16 Gauge Galvanized Steel Backing Plate.....	1.71	
09 22 16 13-0039	LF		4" Wide, 16 Gauge Galvanized Steel Backing Plate.....	2.10	
09 22 16 13-0040	LF		6" Wide, 16 Gauge Galvanized Steel Backing Plate.....	2.80	
09 22 16 13-0041	LF		8" Wide, 16 Gauge Galvanized Steel Backing Plate.....	3.48	
09 22 16 13-0042	LF		10" Wide, 16 Gauge Galvanized Steel Backing Plate.....	4.25	
09 22 16 13-0043	LF		12" Wide, 16 Gauge Galvanized Steel Backing Plate.....	4.98	
09 22 16 13-0044	LF		3" Wide, 14 Gauge Galvanized Steel Backing Plate.....	1.98	
09 22 16 13-0045	LF		4" Wide, 14 Gauge Galvanized Steel Backing Plate.....	2.46	
09 22 16 13-0046	LF		6" Wide, 14 Gauge Galvanized Steel Backing Plate.....	3.33	
09 22 16 13-0047	LF		8" Wide, 14 Gauge Galvanized Steel Backing Plate.....	4.19	
09 22 16 13-0048	LF		10" Wide, 14 Gauge Galvanized Steel Backing Plate.....	5.14	
09 22 16 13-0049	LF		12" Wide, 14 Gauge Galvanized Steel Backing Plate.....	6.05	
09 22 36			Lath <small>(09 22)</small>		
09 22 36 13			Gypsum Lath <small>(09 22 36)</small>		
09 22 36 13-0001			Plaster Base Gypsum Panels <small>(09 22 36 13)</small>		
09 22 36 13-0002	SF		3/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	1.08	0.39
			<i>For Walls >10' High, Add</i>	0.10	
			<i>For Up To 100, Add</i>	0.39	
			<i>For >100 To 500, Add</i>	0.20	
			<i>For >5,000, Deduct</i>	-0.08	
09 22 36 13-0003	SF		1/2" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	1.45	0.45
			<i>For Walls >10' High, Add</i>	0.11	
			<i>For Up To 100, Add</i>	0.45	
			<i>For >100 To 500, Add</i>	0.23	
			<i>For >5,000, Deduct</i>	-0.09	
09 22 36 13-0004	SF		5/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	1.83	0.52
			<i>For Walls >10' High, Add</i>	0.13	
			<i>For Up To 100, Add</i>	0.52	
			<i>For >100 To 500, Add</i>	0.26	
			<i>For >5,000, Deduct</i>	-0.10	
09 22 36 13-0005	SF		3/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel.....	1.40	0.55
			<i>For Ceilings >10' High, Add</i>	0.17	
			<i>For Up To 100, Add</i>	0.55	
			<i>For >100 To 500, Add</i>	0.28	
			<i>For >5,000, Deduct</i>	-0.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 13-0006 SF 1/2" Thick, Installed On Ceiling, Plaster Base Gypsum Panel <i>For Ceilings >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	1.82 0.19 0.64 0.32 -0.13	0.63
09 22 36 13-0007 SF 5/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel <i>For Ceilings >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	2.26 0.22 0.73 0.37 -0.15	0.73
09 22 36 13-0008 SF 3/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel..... <i>For Columns And Beams >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	1.72 0.21 0.71 0.36 -0.14	0.70
09 22 36 13-0009 SF 1/2" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel..... <i>For Columns And Beams >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	2.19 0.25 0.82 0.41 -0.16	0.81
09 22 36 13-0010 SF 5/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel..... <i>For Columns And Beams >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	2.67 0.28 0.94 0.47 -0.19	0.94
09 22 36 13-0011 Firestop Plaster Base Gypsum Panels (09 22 36 13)		
09 22 36 13-0012 SF 3/8" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel..... <i>For Walls >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	1.44 0.10 0.39 0.20 -0.08	0.39
09 22 36 13-0013 SF 1/2" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel..... <i>For Walls >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	1.67 0.11 0.45 0.23 -0.09	0.45
09 22 36 13-0014 SF 3/8" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel..... <i>For Ceilings >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	1.76 0.17 0.55 0.28 -0.11	0.55
09 22 36 13-0015 SF 1/2" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel..... <i>For Ceilings >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	2.04 0.19 0.64 0.32 -0.13	0.63
09 22 36 13-0016 SF 3/8" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel..... <i>For Columns And Beams >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	2.08 0.21 0.71 0.36 -0.14	0.70
09 22 36 13-0017 SF 1/2" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel..... <i>For Columns And Beams >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	2.41 0.25 0.82 0.41 -0.16	0.81
09 22 36 13-0018 Foil Back Plaster Base Gypsum Panels (09 22 36 13)		
09 22 36 13-0019 SF 3/8" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel..... <i>For Walls >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	1.44 0.10 0.39 0.20 -0.08	0.39
09 22 36 13-0020 SF 1/2" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel..... <i>For Walls >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	1.67 0.11 0.45 0.23 -0.09	0.45
09 22 36 13-0021 SF 3/8" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel..... <i>For Ceilings >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	1.76 0.17 0.55 0.28 -0.11	0.55
09 22 36 13-0022 SF 1/2" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel..... <i>For Ceilings >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	2.04 0.19 0.64 0.32 -0.13	0.63
09 22 36 13-0023 SF 3/8" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel..... <i>For Columns And Beams >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	2.08 0.21 0.71 0.36 -0.14	0.70

09 Finishes**09 20 Plaster And Gypsum Board****09 22 Supports For Plaster And Gypsum Board**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 13-0024	SF		1/2" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel	2.41	0.81
			<i>For Columns And Beams >10' High, Add</i>	0.25	
			<i>For Up To 100, Add</i>	0.82	
			<i>For >100 To 500, Add</i>	0.41	
			<i>For >5,000, Deduct</i>	-0.16	
09 22 36 23			Metal Lath <small>(09 22 36)</small>		
09 22 36 23-0001			Flat Diamond, Expanded Metal Lath <small>(09 22 36 23)</small>		
09 22 36 23-0002	SF		1.75 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	1.75	0.54
			<i>For Walls >10' High, Add</i>	0.15	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.61	
			<i>For >100 To 500, Add</i>	0.31	
			<i>For >5,000, Deduct</i>	-0.12	
09 22 36 23-0003	SF		2.0 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	1.82	0.54
			<i>For Walls >10' High, Add</i>	0.15	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.61	
			<i>For >100 To 500, Add</i>	0.31	
			<i>For >5,000, Deduct</i>	-0.12	
09 22 36 23-0004	SF		2.5 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	1.89	0.54
			<i>For Walls >10' High, Add</i>	0.15	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.61	
			<i>For >100 To 500, Add</i>	0.31	
			<i>For >5,000, Deduct</i>	-0.12	
09 22 36 23-0005	SF		3.4 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	2.16	0.58
			<i>For Walls >10' High, Add</i>	0.16	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.65	
			<i>For >100 To 500, Add</i>	0.33	
			<i>For >5,000, Deduct</i>	-0.13	
09 22 36 23-0006	SF		1.75 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	1.92	0.62
			<i>For Ceilings >10' High, Add</i>	0.21	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.70	
			<i>For >100 To 500, Add</i>	0.35	
			<i>For >5,000, Deduct</i>	-0.14	
09 22 36 23-0007	SF		2.0 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	1.99	0.62
			<i>For Ceilings >10' High, Add</i>	0.21	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.70	
			<i>For >100 To 500, Add</i>	0.35	
			<i>For >5,000, Deduct</i>	-0.14	
09 22 36 23-0008	SF		2.5 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	2.06	0.62
			<i>For Ceilings >10' High, Add</i>	0.21	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.70	
			<i>For >100 To 500, Add</i>	0.35	
			<i>For >5,000, Deduct</i>	-0.14	
09 22 36 23-0009	SF		3.4 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	2.25	0.62
			<i>For Ceilings >10' High, Add</i>	0.21	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.70	
			<i>For >100 To 500, Add</i>	0.35	
			<i>For >5,000, Deduct</i>	-0.14	
09 22 36 23-0010	SF		1.75 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	2.55	0.87
			<i>For Columns And Beams >10' High, Add</i>	0.29	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.97	
			<i>For >100 To 500, Add</i>	0.49	
			<i>For >5,000, Deduct</i>	-0.19	
09 22 36 23-0011	SF		2.0 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	2.62	0.87
			<i>For Columns And Beams >10' High, Add</i>	0.29	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.97	
			<i>For >100 To 500, Add</i>	0.49	
			<i>For >5,000, Deduct</i>	-0.19	
09 22 36 23-0012	SF		2.5 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	2.69	0.87
			<i>For Columns And Beams >10' High, Add</i>	0.29	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.97	
			<i>For >100 To 500, Add</i>	0.49	
			<i>For >5,000, Deduct</i>	-0.19	
09 22 36 23-0013	SF		3.4 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	3.35	1.10
			<i>For Columns And Beams >10' High, Add</i>	0.36	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	1.21	
			<i>For >100 To 500, Add</i>	0.61	
			<i>For >5,000, Deduct</i>	-0.24	

09 22 36 23-0014 Self Furring, Flat Diamond, Expanded Metal Lath (09 22 36 23)



		Finishes	09
		Plaster And Gypsum Board	09 20
		Supports For Plaster And Gypsum Board	09 22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 23-0015 SF 1.75 LB/SY, Installed On Solid Surface, Self Furring, Flat Diamond, Expanded Metal Lath.....	1.83	0.58
For Walls >10' High, Add	0.16	
For Paper Backed Lath, Add	0.06	
For Up To 100, Add	0.65	
For >100 To 500, Add	0.33	
For >5,000, Deduct	-0.13	
09 22 36 23-0016 SF 2.0 LB/SY, Installed On Solid Surface, Self Furring, Flat Diamond, Expanded Metal Lath.....	1.90	0.58
For Walls >10' High, Add	0.16	
For Paper Backed Lath, Add	0.06	
For Up To 100, Add	0.65	
For >100 To 500, Add	0.33	
For >5,000, Deduct	-0.13	
09 22 36 23-0017 SF 2.5 LB/SY, Installed On Solid Surface, Self Furring, Flat Diamond, Expanded Metal Lath.....	1.97	0.58
For Walls >10' High, Add	0.16	
For Paper Backed Lath, Add	0.06	
For Up To 100, Add	0.65	
For >100 To 500, Add	0.33	
For >5,000, Deduct	-0.13	
09 22 36 23-0018 SF 3.4 LB/SY, Installed On Solid Surface, Self Furring, Flat Diamond, Expanded Metal Lath.....	2.16	0.58
For Walls >10' High, Add	0.16	
For Paper Backed Lath, Add	0.06	
For Up To 100, Add	0.65	
For >100 To 500, Add	0.33	
For >5,000, Deduct	-0.13	
09 22 36 23-0019 SF 1.75 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath.....	3.03	1.10
For Columns And Beams >10' High, Add	0.36	
For Paper Backed Lath, Add	0.06	
For Up To 100, Add	1.21	
For >100 To 500, Add	0.61	
For >5,000, Deduct	-0.24	
09 22 36 23-0020 SF 2.0 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath.....	3.10	1.10
For Columns And Beams >10' High, Add	0.36	
For Paper Backed Lath, Add	0.06	
For Up To 100, Add	1.21	
For >100 To 500, Add	0.61	
For >5,000, Deduct	-0.24	
09 22 36 23-0021 SF 2.5 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath.....	3.17	1.10
For Columns And Beams >10' High, Add	0.36	
For Paper Backed Lath, Add	0.06	
For Up To 100, Add	1.21	
For >100 To 500, Add	0.61	
For >5,000, Deduct	-0.24	
09 22 36 23-0022 SF 3.4 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath.....	3.70	1.25
For Columns And Beams >10' High, Add	0.42	
For Paper Backed Lath, Add	0.06	
For Up To 100, Add	1.39	
For >100 To 500, Add	0.69	
For >5,000, Deduct	-0.28	
09 22 36 23-0023 High Rib Metal Lath <small>(09 22 36 23)</small>		
09 22 36 23-0024 SF 2.75 LB/SY, Installed On Ceiling, 1/8" High Rib Metal Lath.....	2.12	0.62
For Ceilings >10' High, Add	0.21	
For Up To 100, Add	0.70	
For >100 To 500, Add	0.35	
For >5,000, Deduct	-0.14	
09 22 36 23-0025 SF 3.4 LB/SY, Installed On Ceiling, 1/8" High Rib Metal Lath.....	2.22	0.62
For Ceilings >10' High, Add	0.21	
For Up To 100, Add	0.70	
For >100 To 500, Add	0.35	
For >5,000, Deduct	-0.14	
09 22 36 23-0026 SF 3.4 LB/SY, Installed On Ceiling, 3/8" High Rib Metal Lath.....	2.29	0.62
For Ceilings >10' High, Add	0.21	
For Up To 100, Add	0.70	
For >100 To 500, Add	0.35	
For >5,000, Deduct	-0.14	
09 22 36 23-0027 SF 4.0 LB/SY, Installed On Ceiling, 3/8" High Rib Metal Lath.....	2.41	0.62
For Ceilings >10' High, Add	0.21	
For Up To 100, Add	0.70	
For >100 To 500, Add	0.35	
For >5,000, Deduct	-0.14	
09 22 36 33 Fiberglass Lath <small>(09 22 36)</small>		
09 22 36 33-0001 Non-Metallic, Fiberglass Lath <small>(09 22 36 33)</small>		
09 22 36 33-0002 SF 1/8" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath.....	2.28	0.62
For Ceilings >10' High, Add	0.21	
For Up To 100, Add	0.70	
For >100 To 500, Add	0.35	
For >5,000, Deduct	-0.14	
09 22 36 33-0003 SF 1/4" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath.....	2.42	0.62
For Ceilings >10' High, Add	0.21	
For Up To 100, Add	0.70	
For >100 To 500, Add	0.35	
For >5,000, Deduct	-0.14	

09	09 Finishes
	09 20 Plaster And Gypsum Board
	09 22 Supports For Plaster And Gypsum Board



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 33-0004 SF 1/8" Thick, Installed On Solid Surface, Fiberglass Non Metallic Lath.....	2.19	0.58
For Walls >10' High, Add	0.16	
For Up To 100, Add	0.65	
For >100 To 500, Add	0.33	
For >5,000, Deduct	-0.13	
09 22 36 33-0005 SF 1/4" Thick, Installed On Solid Surface, Fiberglass Non Metallic Lath.....	2.33	0.58
For Walls >10' High, Add	0.16	
For Up To 100, Add	0.65	
For >100 To 500, Add	0.33	
For >5,000, Deduct	-0.13	

09 23 Gypsum Plastering (09 20)

09 23 13 Acoustical Gypsum Plastering (09 23)

Note: Excludes lath, furring and studs. See CSI section 09 22 00 00-0000 for metal studs and furring, 09 22 36 00-0000 for lath.

09 23 13 00-0001 Casing And Corner Beads (09 23 13)

09 23 13 00-0002 LF Galvanized Expanded Flange Casing Bead For Plaster Applications.....	3.52	0.87
09 23 13 00-0003 LF Zinc Expanded Flange Casing Bead For Plaster Applications.....	3.52	0.87
09 23 13 00-0004 LF Vinyl Expanded Flange Casing Bead For Plaster Applications.....	3.58	0.87
09 23 13 00-0005 LF Galvanized Corner Bead For Plaster Applications.....	3.41	0.87
09 23 13 00-0006 LF Vinyl Corner Bead For Plaster Applications.....	3.38	0.87

09 23 13 00-0007 Trim (09 23 13)

09 23 13 00-0008 LF Galvanized "J" Trim For Plaster Applications.....	3.63	0.87
For Vinyl Instead Of Galvanized, Add	0.14	
For Zinc Instead Of Galvanized, Add	0.96	
09 23 13 00-0009 LF Galvanized "L" Trim For Plaster Applications.....	3.63	0.87
For Vinyl Instead Of Galvanized, Add	0.14	
For Zinc Instead Of Galvanized, Add	0.96	
09 23 13 00-0010 LF Galvanized "U" Trim For Plaster Applications.....	3.63	0.87
For Vinyl Instead Of Galvanized, Add	0.14	
For Zinc Instead Of Galvanized, Add	0.96	

09 23 13 00-0011 Plaster Forms And Expansion Joints (09 23 13)

09 23 13 00-0012 SF 1" Architectural Foam Forms To Cover With Plaster.....	4.11	
09 23 13 00-0013 LF 3/4" Galvanized Expansion Joint For Plaster Applications.....	4.01	0.87

09 23 13 00-0014 One Skim Coat Gypsum Plaster On Walls (09 23 13)

09 23 13 00-0015 SF Skim Coat One Coat Gypsum Plaster On Walls.....	1.13	
For Walls >10' High, Add	0.09	
For Horizontal Installation Up To 10' High, Add	0.14	
For Horizontal Installation >10' High, Add	0.28	
For Columns Or Beams Up To 10' High, Add	0.29	
For Columns Or Beams >10' High, Add	0.43	
For Up To 100, Add	0.47	
For >100 To 500, Add	0.24	
For >5,000, Deduct	-0.19	
09 23 13 00-0016 SF For Each Additional Coat Over One, Skim Coat Gypsum Plaster On Walls.....	0.82	
For Walls >10' High, Add	0.07	
For Horizontal Installation Up To 10' High, Add	0.10	
For Horizontal Installation >10' High, Add	0.20	
For Columns Or Beams Up To 10' High, Add	0.21	
For Columns Or Beams >10' High, Add	0.31	
For Up To 100, Add	0.34	
For >100 To 500, Add	0.17	
For >5,000, Deduct	-0.14	

09 23 13 00-0017 Two Coats Gypsum Plaster On Walls (09 23 13)

09 23 13 00-0018 SF Smooth Finish Two Coats Gypsum Plaster On Walls.....	5.52	3.13
For Walls >10' High, Add	0.52	
For Horizontal Installation Up To 10' High, Add	0.78	
For Horizontal Installation >10' High, Add	1.55	
For Columns Or Beams Up To 10' High, Add	1.60	
For Columns Or Beams >10' High, Add	2.38	
For Up To 100, Add	2.59	
For >100 To 500, Add	1.29	
For >5,000, Deduct	-1.03	
09 23 13 00-0019 SF Sand Aggregate Two Coats Gypsum Plaster On Walls.....	5.64	2.96
For Walls >10' High, Add	0.48	
For Horizontal Installation Up To 10' High, Add	0.73	
For Horizontal Installation >10' High, Add	1.45	
For Columns Or Beams Up To 10' High, Add	1.50	
For Columns Or Beams >10' High, Add	2.23	
For Up To 100, Add	2.42	
For >100 To 500, Add	1.21	
For >5,000, Deduct	-0.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 23 13 00-0020 SF Perlite Or Vermiculite Two Coats Gypsum Plaster On Walls.....	5.77	2.96
For Walls >10' High, Add	0.48	
For Horizontal Installation Up To 10' High, Add	0.73	
For Horizontal Installation >10' High, Add	1.45	
For Columns Or Beams Up To 10' High, Add	1.50	
For Columns Or Beams >10' High, Add	2.23	
For Up To 100, Add	2.42	
For >100 To 500, Add	1.21	
For >5,000, Deduct	-0.97	
09 23 13 00-0021 Three Coats Gypsum Plaster On Walls (09 23 13)		
09 23 13 00-0022 SF Smooth Finish Three Coats Gypsum Plaster On Walls	6.68	3.81
For Walls >10' High, Add	0.62	
For Horizontal Installation Up To 10' High, Add	0.93	
For Horizontal Installation >10' High, Add	1.85	
For Columns Or Beams Up To 10' High, Add	1.91	
For Columns Or Beams >10' High, Add	2.84	
For Up To 100, Add	3.09	
For >100 To 500, Add	1.54	
For >5,000, Deduct	-1.23	
09 23 13 00-0023 SF Sand Aggregate Three Coats Gypsum Plaster On Walls	6.68	3.47
For Walls >10' High, Add	0.57	
For Horizontal Installation Up To 10' High, Add	0.86	
For Horizontal Installation >10' High, Add	1.72	
For Columns Or Beams Up To 10' High, Add	1.77	
For Columns Or Beams >10' High, Add	2.63	
For Up To 100, Add	2.86	
For >100 To 500, Add	1.43	
For >5,000, Deduct	-1.14	
09 23 13 00-0024 SF Perlite Or Vermiculite Three Coats Gypsum Plaster On Walls	6.29	3.47
For Walls >10' High, Add	0.57	
For Horizontal Installation Up To 10' High, Add	0.85	
For Horizontal Installation >10' High, Add	1.71	
For Columns Or Beams Up To 10' High, Add	1.76	
For Columns Or Beams >10' High, Add	2.62	
For Up To 100, Add	2.85	
For >100 To 500, Add	1.42	
For >5,000, Deduct	-1.14	
09 23 13 00-0025 Plaster Bonding Agent (09 23 13)		
09 23 13 00-0026 SF 1 Coat, Brush/Roller Plaster Bonding Agent.....	0.59	
For Walls >10' High, Add	0.05	
For Columns Or Beams Up To 10' High, Add	0.15	
For Columns Or Beams >10' High, Add	0.23	
For Ceiling Application Up To 10' High, Add	0.07	
For Ceiling Application >10' High, Add	0.12	
09 24 Cement Plastering (09 20)		
09 24 13 Acoustical Cement Plastering (09 24)		
09 24 13 00-0001 Keene's Cement Plaster, Quick Setting, White Hard Plaster (09 24 13)		
Note: Used for areas with higher than normal moisture.		
09 24 13 00-0002 SF 1 Coat Keene's Cement Plaster On Walls	4.32	2.11
For Walls >10' High, Add	0.34	
For Horizontal Installation Up To 10' High, Add	0.51	
For Horizontal Installation >10' High, Add	1.02	
For Columns Or Beams Up To 10' High, Add	1.05	
For Columns Or Beams >10' High, Add	1.56	
For Up To 100, Add	1.70	
For >100 To 500, Add	0.85	
For >5,000, Deduct	-0.68	
09 24 13 00-0003 SF 2 Coat Keene's Cement Plaster On Walls	6.54	3.31
For Walls >10' High, Add	0.54	
For Horizontal Installation Up To 10' High, Add	0.81	
For Horizontal Installation >10' High, Add	1.61	
For Columns Or Beams Up To 10' High, Add	1.66	
For Columns Or Beams >10' High, Add	2.47	
For Up To 100, Add	2.69	
For >100 To 500, Add	1.34	
For >5,000, Deduct	-1.07	
09 24 13 00-0004 SF 3 Coat Keene's Cement Plaster On Walls	7.40	3.72
For Walls >10' High, Add	0.61	
For Horizontal Installation Up To 10' High, Add	0.91	
For Horizontal Installation >10' High, Add	1.82	
For Columns Or Beams Up To 10' High, Add	1.88	
For Columns Or Beams >10' High, Add	2.79	
For Up To 100, Add	3.04	
For >100 To 500, Add	1.52	
For >5,000, Deduct	-1.21	

09 24 23 Cement Stucco (09 24)

09 Finishes**09 20 Plaster And Gypsum Board****09 24 Cement Plastering**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

Note: Packaged product reinforced with fibers. All plastering excludes lath, furring or studs except as noted. See CSI section 09 22 00 00-0000 for metal studs and furring.

09 24 23 00-0001	Stucco (09 24 23)		
	Note: Excludes wall scaffolding or lifting equipment. See CSI section 09 22 36 00-0000 for lath.		
09 24 23 00-0002	SF Three Coat Troweled Stucco, Scratch/Brown/Finish.....	8.15	2.63
	Note: Excludes lath and felt. Interior or exterior, one side.		
	For Walls >10' High, Add	0.72	
	For Horizontal Installation Up To 10' High, Add	1.08	
	For Horizontal Installation >10' High, Add	2.15	
	For Columns Or Beams Up To 10' High, Add	2.22	
	For Columns Or Beams >10' High, Add	3.30	
	For Color Added To Finish Coat, Add	0.15	
	For Smooth Float Finish, Add	1.51	
	For Up To 100, Add	3.59	
	For >100 To 500, Add	1.79	
	For >5,000, Deduct	-1.43	
09 24 23 00-0003	SF Two Coat Troweled Stucco, Scratch/Brown.....	3.49	1.27
	Note: Excludes lath and felt. Interior or exterior, one side.		
	For Walls >10' High, Add	0.26	
	For Horizontal Installation Up To 10' High, Add	0.39	
	For Horizontal Installation >10' High, Add	0.79	
	For Columns Or Beams Up To 10' High, Add	0.82	
	For Columns Or Beams >10' High, Add	1.21	
	For Up To 100, Add	1.32	
	For >100 To 500, Add	0.66	
	For >5,000, Deduct	-0.53	
09 24 23 00-0004	SF Two Coat Troweled Stucco, Scratch/Finish.....	5.37	1.27
	Note: Excludes lath and felt. Interior or exterior, one side.		
	For Walls >10' High, Add	0.47	
	For Horizontal Installation Up To 10' High, Add	0.70	
	For Horizontal Installation >10' High, Add	1.40	
	For Columns Or Beams Up To 10' High, Add	1.44	
	For Columns Or Beams >10' High, Add	2.14	
	For Color Added To Finish Coat, Add	0.15	
	For Smooth Float Finish, Add	1.28	
	For Up To 100, Add	2.33	
	For >100 To 500, Add	1.17	
	For >5,000, Deduct	-0.93	
09 24 23 00-0005	SF Finish Coat Troweled Stucco.....	3.51	0.85
	Note: Excludes lath and felt. Interior or exterior, one side.		
	For Walls >10' High, Add	0.34	
	For Horizontal Installation Up To 10' High, Add	0.51	
	For Horizontal Installation >10' High, Add	1.02	
	For Columns Or Beams Up To 10' High, Add	1.05	
	For Columns Or Beams >10' High, Add	1.56	
	For Color Added To Finish Coat, Add	0.15	
	For Smooth Float Finish, Add	1.28	
	For Up To 100, Add	1.70	
	For >100 To 500, Add	0.85	
	For >5,000, Deduct	-0.68	

09 24 33 Cement Parging (09 24)

09 24 33 00-0001	Cement Parging (09 24 33)		
09 24 33 00-0002	SF 1/8" Thick Sand And Cement Parging.....	3.02	
09 24 33 00-0003	SF 1/4" Thick Sand And Cement Parging.....	3.86	
09 24 33 00-0004	SF 1/2" Thick Sand And Cement Parging.....	4.83	

09 28 Backing Boards And Underlayments (09 20)**09 28 13 Cementitious Backing Boards** (09 28)

09 28 13 00-0001	Cementitious Backer Units (09 28 13)		
	Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.		
09 28 13 00-0002	SF 1/4" Cementitious Backer Units For Installation On Floors.....	3.50	0.60
	For Up To 50, Add	2.68	
	For >50 To 250, Add	0.48	
	For >1,000, Deduct	-0.24	
	For Installation On Wall, Add	0.48	
	For Installation On Ceiling, Add	1.21	
09 28 13 00-0003	SF 1/2" Cementitious Backer Units For Installation On Floors.....	4.03	0.72
	For Up To 50, Add	3.18	
	For >50 To 250, Add	0.58	
	For >1,000, Deduct	-0.29	
	For Installation On Wall, Add	0.58	
	For Installation On Ceiling, Add	1.45	
09 28 13 00-0004	SF 5/8" Cementitious Backer Units For Installation On Floors.....	4.99	0.84
	For Up To 50, Add	3.78	
	For >50 To 250, Add	0.68	
	For >1,000, Deduct	-0.34	
	For Installation On Wall, Add	0.68	
	For Installation On Ceiling, Add	1.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 28 16 Glass-Mat Faced Gypsum Backing Boards (09 28)		
09 28 16 00-0001 Glass Mat Faced Backer Units, DensShield (09 28 16)		
Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.		
09 28 16 00-0002 SF 1/2" DensShield Tile Backer For Installation On Floors	2.53	0.67
For Up To 50, Add	1.94	
For >50 To 250, Add	0.35	
For >1,000, Deduct	-0.17	
For Installation On Wall, Add	0.35	
For Installation On Ceiling, Add	0.87	
09 28 16 00-0003 SF 5/8" DensShield Tile Backer For Installation On Floors	3.14	0.77
For Up To 50, Add	2.23	
For >50 To 250, Add	0.39	
For >1,000, Deduct	-0.19	
For Installation On Wall, Add	0.39	
For Installation On Ceiling, Add	0.97	
09 29 Gypsum Board (09 29)		
09 29 10 Gypsum Board (09 29)		
09 29 10 00-0001 Standard Gypsum Board Application (09 29 10)		
Note: Includes gypsum board screwed in place on walls, ceilings, beams, columns, soffits, etc.. Excludes finishing. See CSI section 09 01 20 91-0001 for small repairs, 09 29 10 00-0047 for finishing gypsum board, 09 29 10 00-0060 for casing and corner bead.		
09 29 10 00-0002 Standard Gypsum Board Application (09 29 10 00-0001)		
09 29 10 00-0003 SF 1/4" Gypsum Board.....	1.07	0.38
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.18	
For Times When The Shortest Distance From Corner To Corner Is <3', Add	0.39	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.10	
For Horizontal Installation Up To 10' High, Add	0.26	
For Horizontal Installation >10' High, Add	0.39	
For Walls >10' High, Add	0.06	
For Up To 128, Add	0.37	
For >128 To 320, Add	0.22	
For >1,536, Deduct	-0.08	
09 29 10 00-0004 SF 3/8" Gypsum Board.....	1.16	0.43
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.20	
For Times When The Shortest Distance From Corner To Corner Is <3', Add	0.43	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.10	
For Foil Back Board, Add	0.10	
For Horizontal Installation Up To 10' High, Add	0.29	
For Horizontal Installation >10' High, Add	0.43	
For Walls >10' High, Add	0.07	
For Up To 128, Add	0.40	
For >128 To 320, Add	0.25	
For >1,536, Deduct	-0.09	
09 29 10 00-0005 SF 1/2" Gypsum Board.....	1.30	0.50
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.23	
For Times When The Shortest Distance From Corner To Corner Is <3', Add	0.50	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.11	
For Foil Back Board, Add	0.10	
For Horizontal Installation Up To 10' High, Add	0.34	
For Horizontal Installation >10' High, Add	0.50	
For Walls >10' High, Add	0.08	
For Up To 128, Add	0.46	
For >128 To 320, Add	0.28	
For >1,536, Deduct	-0.10	
09 29 10 00-0006 SF 5/8" Gypsum Board.....	1.52	0.57
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.27	
For Times When The Shortest Distance From Corner To Corner Is <3', Add	0.58	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.12	
For Foil Back Board, Add	0.10	
For Horizontal Installation Up To 10' High, Add	0.39	
For Horizontal Installation >10' High, Add	0.58	
For Walls >10' High, Add	0.09	
For Up To 128, Add	0.53	
For >128 To 320, Add	0.32	
For >1,536, Deduct	-0.11	
09 29 10 00-0007 SF 1/4" Gypsum Board, Two Layers.....	1.99	0.69
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.33	
For Times When The Shortest Distance From Corner To Corner Is <3', Add	0.70	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.13	
For Horizontal Installation Up To 10' High, Add	0.47	
For Horizontal Installation >10' High, Add	0.70	
For Walls >10' High, Add	0.11	
For Up To 128, Add	0.68	
For >128 To 320, Add	0.41	
For >1,536, Deduct	-0.16	

09 Finishes
09 20 Plaster And Gypsum Board
09 29 Gypsum Board



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 29 10 00-0008	SF 3/8" Gypsum Board, Two Layers <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,536, Deduct</i>	2.16 0.36 0.78 0.14 0.53 0.78 0.12 0.74 0.45 -0.17	0.78
09 29 10 00-0009	SF 1/2" Gypsum Board, Two Layers <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,536, Deduct</i>	2.40 0.42 0.90 0.15 0.61 0.90 0.14 0.84 0.51 -0.18	0.89
09 29 10 00-0010	SF 5/8" Gypsum Board, Two Layers <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,536, Deduct</i>	2.82 0.48 1.04 0.16 0.70 1.04 0.17 0.98 0.59 -0.22	1.04
09 29 10 00-0011 Fire Rated Gypsum Board Application (09 29 10 00-0001)			
09 29 10 00-0012 Type X, Fire Rated Gypsum Board (09 29 10 00-0011)			
09 29 10 00-0013	SF 5/8" Type X Fire Rated Gypsum Board <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Foil Back Board, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,536, Deduct</i>	1.65 0.30 0.64 0.12 0.10 0.43 0.64 0.10 0.58 0.36 -0.12	0.57
09 29 10 00-0014	SF 5/8" Type X Fire Rated Gypsum Board, Two Layers <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,536, Deduct</i>	3.04 0.53 1.14 0.17 0.77 1.14 0.18 1.06 0.64 -0.23	0.57
09 29 10 00-0015 Type C, Fire Rated Gypsum Board (09 29 10 00-0011)			
09 29 10 00-0016	SF 1/2" Type C Fire Rated Gypsum Board <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Foil Back Board, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,536, Deduct</i>	1.48 0.26 0.55 0.12 0.10 0.37 0.55 0.09 0.52 0.31 -0.11	0.50
09 29 10 00-0017	SF 5/8" Type C Fire Rated Gypsum Board <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Foil Back Board, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,536, Deduct</i>	1.68 0.30 0.64 0.12 0.10 0.43 0.64 0.10 0.59 0.36 -0.13	0.57



Finishes	09	
Plaster And Gypsum Board	09 20	9
Gypsum Board	09 29	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0018 SF 1/2" Type C Fire Rated Gypsum Board, Two Layers <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,536, Deduct</i>	2.75 0.46 0.99 0.16 0.67 0.99 0.16 0.95 0.57 -0.21	0.50
09 29 10 00-0019 SF 5/8" Type C Fire Rated Gypsum Board, Two Layers <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,536, Deduct</i>	3.09 0.53 1.14 0.17 0.77 1.14 0.18 1.07 0.65 -0.24	0.57
09 29 10 00-0020 Fire Rated Gypsum Board (Sheetrock® Ultracode®) (09 29 10 00-0011)		
09 29 10 00-0021 SF 3/4" Fire Rated Gypsum Board (Sheetrock® Ultracode®)..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,536, Deduct</i>	2.20 0.30 0.64 0.12 0.43 0.64 0.10 0.69 0.41 -0.20	0.57
09 29 10 00-0022 SF 3/4" Fire Rated Gypsum Board (Sheetrock® Ultracode®), Two Layers <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,536, Deduct</i>	4.13 0.54 1.14 0.17 0.77 1.14 0.18 1.28 0.75 -0.39	0.57
09 29 10 00-0023 Moisture Resistant Gypsum Board Application (09 29 10 00-0001) Note: Water-resistant gypsum core.		
09 29 10 00-0024 SF 1/2" Moisture Resistant Gypsum Board <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,536, Deduct</i>	1.40 0.23 0.50 0.11 0.34 0.50 0.08 0.48 0.29 -0.11	0.50
09 29 10 00-0025 SF 5/8" Moisture Resistant Gypsum Board <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,536, Deduct</i>	1.78 0.27 0.58 0.12 0.39 0.58 0.09 0.59 0.35 -0.15	0.50
09 29 10 00-0026 Vinyl Faced Gypsum Board Application (09 29 10 00-0001) Note: Includes clips and adhesive.		
09 29 10 00-0027 SF 3/8" Prefinished, Vinyl Faced Gypsum Board <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,536, Deduct</i>	2.44 0.21 0.43 0.10 0.29 0.43 0.07 0.66 0.37 -0.28	0.38

09 Finishes
09 20 Plaster And Gypsum Board
09 29 Gypsum Board



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0028	SF		1/2" Prefinished, Vinyl Faced Gypsum Board <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,536, Deduct</i>	2.58 0.25 0.50 0.11 0.34 0.50 0.08 0.72 0.41 -0.29	0.50
09 29 10 00-0029	SF		5/8" Prefinished, Vinyl Faced Gypsum Board <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,536, Deduct</i>	2.73 0.28 0.58 0.12 0.39 0.58 0.09 0.78 0.45 -0.29	0.57
09 29 10 00-0030	SF		1/2" Fire Rated, Prefinished Vinyl Faced Gypsum Board <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,536, Deduct</i>	2.97 0.27 0.55 0.12 0.37 0.55 0.09 0.81 0.46 -0.34	0.50
09 29 10 00-0031	SF		5/8" Fire Rated, Prefinished Vinyl Faced Gypsum Board <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,536, Deduct</i>	4.44 0.32 0.64 0.12 0.43 0.64 0.10 1.14 0.63 -0.54	0.57
09 29 10 00-0032			Moisture And Mold Resistant Gypsum Board Application <small>(09 29 10 00-0001)</small>		
09 29 10 00-0033	SF		1/2", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Non-reinforced Board, Deduct</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,536, Deduct</i>	1.60 0.24 0.50 0.11 -0.08 0.34 0.50 0.08 0.52 0.31 -0.14	0.48
09 29 10 00-0034	SF		5/8", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Non-reinforced Board, Deduct</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,536, Deduct</i>	1.88 0.27 0.58 0.12 -0.08 0.39 0.58 0.09 0.61 0.36 -0.17	0.55
09 29 10 00-0035	SF		1/2" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,536, Deduct</i>	1.87 0.26 0.55 0.12 0.37 0.55 0.09 0.59 0.35 -0.17	0.48
09 29 10 00-0036	SF		5/8" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,536, Deduct</i>	2.11 0.30 0.64 0.12 0.43 0.64 0.10 0.68 0.40 -0.19	0.55



Finishes	09	9
Plaster And Gypsum Board	09 20	
Gypsum Board	09 29	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0037 Hi-Impact Gypsum Board <small>(09 29 10 00-0001)</small>		
Note: Abrasion, impact and penetration resistant.		
09 29 10 00-0038 SF 0.01" Polycarbonate Backed, Fire Rated, 5/8" Hi-Impact Gypsum Board.....	2.62	0.55
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.28	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.57	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.12	
For Horizontal Installation Up To 10' High, Add	0.39	
For Horizontal Installation >10' High, Add	0.57	
For Walls >10' High, Add	0.09	
For Up To 128, Add	0.75	
For >128 To 320, Add	0.43	
For >1,536, Deduct	-0.28	
09 29 10 00-0039 SF 0.02" Polycarbonate Backed, Fire Rated, 5/8" Hi-Impact Gypsum Board.....	3.05	0.55
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.28	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.57	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.12	
For Horizontal Installation Up To 10' High, Add	0.39	
For Horizontal Installation >10' High, Add	0.57	
For Walls >10' High, Add	0.09	
For Up To 128, Add	0.84	
For >128 To 320, Add	0.48	
For >1,536, Deduct	-0.34	
09 29 10 00-0040 SF 0.03" Polycarbonate Backed, Fire Rated, 5/8" Hi-Impact Gypsum Board.....	3.48	0.55
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.29	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.57	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.12	
For Horizontal Installation Up To 10' High, Add	0.39	
For Horizontal Installation >10' High, Add	0.57	
For Walls >10' High, Add	0.09	
For Up To 128, Add	0.92	
For >128 To 320, Add	0.52	
For >1,536, Deduct	-0.41	
09 29 10 00-0041 SF 0.08" Polycarbonate Backed, Fire Rated, 5/8" Hi-Impact Gypsum Board.....	6.08	0.55
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.31	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.57	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.12	
For Horizontal Installation Up To 10' High, Add	0.39	
For Horizontal Installation >10' High, Add	0.57	
For Walls >10' High, Add	0.09	
For Up To 128, Add	1.44	
For >128 To 320, Add	0.78	
For >1,536, Deduct	-0.80	
09 29 10 00-0042 Hi-Abuse Gypsum Board <small>(09 29 10 00-0001)</small>		
Note: Surface indentation, impact, abrasion and moisture/mold/mildew resistant.		
09 29 10 00-0043 SF 5/8" Fire Rated, Hi-Abuse Gypsum Board.....	1.92	0.55
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.27	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.57	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.12	
For Horizontal Installation Up To 10' High, Add	0.39	
For Horizontal Installation >10' High, Add	0.57	
For Walls >10' High, Add	0.09	
For Up To 128, Add	0.61	
For >128 To 320, Add	0.36	
For >1,536, Deduct	-0.17	
09 29 10 00-0044 Soundproof Gypsum Board <small>(09 29 10 00-0001)</small>		
Note: Minimum STC rating for 1/2" board is 49 and 5/8" board is 51.		
09 29 10 00-0045 SF 1/2" Soundproof Gypsum Board.....	3.50	0.58
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.29	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.58	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.12	
For Horizontal Installation Up To 10' High, Add	0.39	
For Horizontal Installation >10' High, Add	0.58	
For Walls >10' High, Add	0.09	
For Up To 128, Add	0.93	
For >128 To 320, Add	0.52	
For >1,536, Deduct	-0.41	
09 29 10 00-0046 SF 5/8" Soundproof Gypsum Board.....	4.19	0.58
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.30	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.58	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.12	
For Horizontal Installation Up To 10' High, Add	0.39	
For Horizontal Installation >10' High, Add	0.58	
For Walls >10' High, Add	0.09	
For Up To 128, Add	1.07	
For >128 To 320, Add	0.59	
For >1,536, Deduct	-0.51	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 29 10 00-0047	Finishing Gypsum Board Applications <small>(09 29 10)</small>	
	Note: Includes flat or curved walls, columns, soffits, recesses, and chases. Tape, spackle, sand and finish gypsum board to the appropriate level as defined by ASTM C 840. No taping or finishing is required for Level 0. For Level 1, tape is set in compound at joints and interior angles. Ridges and tool marks are acceptable. For Level 2, tape is set in compound and wiped with a joint knife leaving a thin coating of compound over joints, interior angles, fastener heads, and beads. Ridges and tool marks are acceptable. Compound applied over the body of the tape at the time of the tape is set satisfies the conditions for this level. For Level 3, tape is set in compound and one additional coat of compound is applied over all joints and interior angles. Fastener heads and accessories receive two separate coats of joint compound. Ridges and tool marks are not acceptable. For Level 4, tape is set in compound and two separate coats of compound are applied over all flat joints with one separate coat of compound applied over interior angles. Fastener heads and accessories receive three separate coats of compound. Ridges and tool marks are not acceptable. A Level 5 finish is a Level 4 finish plus a thin skim coat of compound applied to the entire drywall surface. All levels of finish require that the surface be free of excess compound. A single modifier may be used to change the level of finish to the appropriate level.	
09 29 10 00-0048	Finish Gypsum Board Walls, ASTM C840 Level 4 <small>(09 29 10 00-0047)</small>	
09 29 10 00-0049	SF Up To 10' High, Walls, Tape, Spackle And Finish Gypsum Board.....	0.64
	For Up To 128, Add	0.25
	For >128 To 320, Add	0.15
	For >5,400, Deduct	-0.06
	For ASTM C840 Level 1 Finish, Deduct	-0.31
	For ASTM C840 Level 2 Finish, Deduct	-0.15
	For ASTM C840 Level 3 Finish, Deduct	-0.06
	For ASTM C840 Level 5 High Quality Finish, Add	0.47
	For Spray Applied Textured Or Orange Peel Finish, Add	0.47
09 29 10 00-0050	SF >10' High, Walls, Tape, Spackle And Finish Gypsum Board	0.85
	Note: Use this task for the entire wall area when the wall is >10' high.	
	For Up To 128, Add	0.33
	For >128 To 320, Add	0.21
	For >5,400, Deduct	-0.09
	For ASTM C840 Level 1 Finish, Deduct	-0.41
	For ASTM C840 Level 2 Finish, Deduct	-0.21
	For ASTM C840 Level 3 Finish, Deduct	-0.08
	For ASTM C840 Level 5 High Quality Finish, Add	0.63
	For Spray Applied Textured Or Orange Peel Finish, Add	0.63
09 29 10 00-0051	Finish Gypsum Board Ceilings, ASTM C840 Level 4 <small>(09 29 10 00-0047)</small>	
09 29 10 00-0052	SF Up To 10' High, Ceilings, Tape, Spackle And Finish Gypsum Board.....	0.83
	For Up To 128, Add	0.32
	For >128 To 320, Add	0.20
	For >5,400, Deduct	-0.08
	For ASTM C840 Level 1 Finish, Deduct	-0.40
	For ASTM C840 Level 2 Finish, Deduct	-0.20
	For ASTM C840 Level 3 Finish, Deduct	-0.08
	For ASTM C840 Level 5 High Quality Finish, Add	0.62
	For Spray Applied Textured Or Orange Peel Finish, Add	0.62
09 29 10 00-0053	SF >10' High, Ceilings, Tape, Spackle And Finish Gypsum Board.....	1.13
	Note: Use this task for the entire wall area when the wall is >10' high.	
	For Up To 128, Add	0.44
	For >128 To 320, Add	0.28
	For >5,400, Deduct	-0.11
	For ASTM C840 Level 1 Finish, Deduct	-0.55
	For ASTM C840 Level 2 Finish, Deduct	-0.28
	For ASTM C840 Level 3 Finish, Deduct	-0.11
	For ASTM C840 Level 5 High Quality Finish, Add	0.84
	For Spray Applied Textured Or Orange Peel Finish, Add	0.84
09 29 10 00-0054	Finish Gypsum Board Vertical Corners, ASTM C840 Level 4 <small>(09 29 10 00-0047)</small>	
	Note: Inside or outside gypsum board corners.	
09 29 10 00-0055	LF Up To 10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board.....	1.28
	For ASTM C840 Level 1 Finish, Deduct	-0.60
	For ASTM C840 Level 2 Finish, Deduct	-0.30
	For ASTM C840 Level 3 Finish, Deduct	-0.12
	For ASTM C840 Level 5 High Quality Finish, Add	0.94
09 29 10 00-0056	LF >10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board.....	1.53
	Note: Use this task for the entire wall area when the wall is >10' high.	
	For ASTM C840 Level 1 Finish, Deduct	-0.73
	For ASTM C840 Level 2 Finish, Deduct	-0.36
	For ASTM C840 Level 3 Finish, Deduct	-0.15
	For ASTM C840 Level 5 High Quality Finish, Add	1.13
09 29 10 00-0057	Finish Gypsum Board Horizontal Corners, ASTM C840 Level 4 <small>(09 29 10 00-0047)</small>	
	Note: Inside or outside gypsum board corners.	
09 29 10 00-0058	LF Up To 10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board.....	1.49
	For ASTM C840 Level 1 Finish, Deduct	-0.71
	For ASTM C840 Level 2 Finish, Deduct	-0.35
	For ASTM C840 Level 3 Finish, Deduct	-0.14
	For ASTM C840 Level 5 High Quality Finish, Add	1.10



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0059	LF	>10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board <i>Note: Use this task for the entire wall area when the wall is >10' high.</i> <i>For ASTM C840 Level 1 Finish, Deduct</i> <i>For ASTM C840 Level 2 Finish, Deduct</i> <i>For ASTM C840 Level 3 Finish, Deduct</i> <i>For ASTM C840 Level 5 High Quality Finish, Add</i>	1.79 -0.86 -0.43 -0.17 1.32	
09 29 10 00-0060	LF	Casing And Corner Beads <small>(09 29 10)</small>		
09 29 10 00-0061	LF	Casing, Galvanized Steel J-Bead For Gypsum Board <i>For Up To 100, Add</i> <i>For >500, Deduct</i>	3.40 0.23 -0.17	0.96
09 29 10 00-0062	LF	Corner Bead, Galvanized Steel For Gypsum Board <i>For Up To 100, Add</i> <i>For >500, Deduct</i>	3.29 0.21 -0.16	0.96
09 29 10 00-0063	LF	Preformed Architectural Profiles <small>(09 29 10)</small>		
09 29 10 00-0064	LF	Trim Reveals For Gypsum Board <small>(09 29 10 00-0063)</small>		
09 29 10 00-0065	LF	1/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	3.93	1.16
09 29 10 00-0066	LF	1/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	3.95	1.16
09 29 10 00-0067	LF	3/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	4.05	1.16
09 29 10 00-0068	LF	1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	4.10	1.16
09 29 10 00-0069	LF	5/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	4.23	1.16
09 29 10 00-0070	LF	3/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	4.35	1.16
09 29 10 00-0071	LF	1" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	4.47	1.16
09 29 10 00-0072	LF	1-1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	4.87	1.16
09 29 10 00-0073	LF	2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	5.26	1.16
09 29 10 00-0074	LF	1/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	4.07	1.26
09 29 10 00-0075	LF	1/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	4.07	1.26
09 29 10 00-0076	LF	3/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	4.34	1.26
09 29 10 00-0077	LF	1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	4.39	1.26
09 29 10 00-0078	LF	5/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	4.56	1.26
09 29 10 00-0079	LF	3/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	4.64	1.26
09 29 10 00-0080	LF	1" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	4.74	1.26
09 29 10 00-0081	LF	1 1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	5.18	1.26
09 29 10 00-0082	LF	2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	5.63	1.26
09 29 10 00-0083	LF	3" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	7.55	1.45
09 29 10 00-0084	LF	4" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	8.29	1.45
09 29 10 00-0085	LF	Edge Trim For Gypsum Board <small>(09 29 10 00-0063)</small>		
09 29 10 00-0086	LF	1/2" Aluminum Extrusions, Edge Trim For Gypsum Board.....	3.70	1.21
09 29 10 00-0087	LF	5/8" Aluminum Extrusions, Edge Trim For Gypsum Board.....	3.89	1.21
09 29 10 00-0088	LF	1" Aluminum Extrusions, Edge Trim For Gypsum Board.....	4.51	1.33
09 29 10 00-0089	LF	1-1/4" Aluminum Extrusions, Edge Trim For Gypsum Board.....	4.75	1.45
09 29 10 00-0090	LF	1/2" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board.....	6.17	1.21
09 29 10 00-0091	LF	5/8" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board.....	6.37	1.21
09 29 10 00-0092	LF	1" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board.....	6.98	1.33
09 29 10 00-0093	LF	1-1/4" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board.....	7.22	1.45
09 29 10 00-0094	LF	Bevel Trim For Gypsum Board <small>(09 29 10 00-0063)</small>		
09 29 10 00-0095	LF	5/16" x 1/4" Aluminum Extrusions, Bevel Trim For Gypsum Board.....	3.89	1.21
09 29 10 00-0096	LF	5/8" x 5/8" Aluminum Extrusions, Bevel Trim For Gypsum Board.....	4.44	1.33
09 29 10 00-0097	LF	Trim/Wainscot Caps For Gypsum Board <small>(09 29 10 00-0063)</small>		
09 29 10 00-0098	LF	1-1/2" Wide Aluminum Extrusions, Trim/Wainscot Cap For Gypsum Board.....	5.17	1.45
09 29 10 00-0099	LF	Single Fin Wall/Trim Reveals For Gypsum Board <small>(09 29 10 00-0063)</small>		
09 29 10 00-0100	LF	1/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	3.51	0.77
09 29 10 00-0101	LF	1/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	3.63	0.86
09 29 10 00-0102	LF	3/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	4.19	0.96
09 29 10 00-0103	LF	1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	4.47	1.07
09 29 10 00-0104	LF	5/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	4.72	1.16
09 29 10 00-0105	LF	3/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	4.79	1.16
09 29 10 00-0106	LF	1" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.02	1.16
09 29 10 00-0107	LF	1-1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.44	1.16
09 29 10 00-0108	LF	2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.59	1.16
09 29 10 00-0109	LF	1/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	4.56	1.26
09 29 10 00-0110	LF	1/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	4.61	1.26
09 29 10 00-0111	LF	3/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	4.89	1.26
09 29 10 00-0112	LF	1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.01	1.26
09 29 10 00-0113	LF	5/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.11	1.26
09 29 10 00-0114	LF	3/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.23	1.26
09 29 10 00-0115	LF	1" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.40	1.26
09 29 10 00-0116	LF	1-1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.85	1.26
09 29 10 00-0117	LF	2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	6.22	1.26

09 Finishes
09 20 Plaster And Gypsum Board
09 29 Gypsum Board



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0118 LF 3" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	7.41	1.26
09 29 10 00-0119 LF 4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	9.68	1.26
09 29 10 00-0120 LF 3-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	6.96	1.26
09 29 10 00-0121 LF 3-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	7.16	1.26
09 29 10 00-0122 LF 4-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	7.83	1.26
09 29 10 00-0123 LF 4-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	7.90	1.26
09 29 10 00-0124 LF 9/16" Tall with 1/2" Reveal, Aluminum Extrusions, Single Fin Wall Base With Reveal For Gypsum Board.....	8.87	1.26
09 29 10 00-0125 LF 5/8" Aluminum Extrusions, Single Fin Wall/Trim Reveal Hanging Track For Gypsum Board.....	7.43	1.26
09 29 10 00-0126 'V' Groove Wall Reveals For Gypsum Board (09 29 10 00-0063)		
09 29 10 00-0127 LF 1/4" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board.....	5.80	1.74
09 29 10 00-0128 LF 3/4" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board.....	6.67	1.93
09 29 10 00-0129 LF 1" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board.....	7.61	2.31
09 29 10 00-0130 LF 9/32" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board.....	7.85	2.51
09 29 10 00-0131 Double Fin Wall Reveals For Gypsum Board (09 29 10 00-0063)		
09 29 10 00-0132 LF 3/8" x 3/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	5.12	1.16
09 29 10 00-0133 LF 1/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	5.17	1.16
09 29 10 00-0134 LF 1/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	5.21	1.16
09 29 10 00-0135 LF 3/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	5.21	1.16
09 29 10 00-0136 LF 1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	5.44	1.16
09 29 10 00-0137 LF 5/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	5.54	1.15
09 29 10 00-0138 LF 3/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	5.64	1.16
09 29 10 00-0139 LF 1" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	5.86	1.16
09 29 10 00-0140 LF 1-1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.23	1.16
09 29 10 00-0141 LF 2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.62	1.16
09 29 10 00-0142 LF 3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	5.43	1.26
09 29 10 00-0143 LF 1/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	5.48	1.26
09 29 10 00-0144 LF 3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	5.58	1.26
09 29 10 00-0145 LF 1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	5.80	1.26
09 29 10 00-0146 LF 5/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	5.90	1.26
09 29 10 00-0147 LF 3/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	5.97	1.26
09 29 10 00-0148 LF 1" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.22	1.26
09 29 10 00-0149 LF 1-1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.62	1.26
09 29 10 00-0150 LF 2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	7.01	1.26
09 29 10 00-0151 LF 3" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	8.08	1.26
09 29 10 00-0152 LF 4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	10.30	1.26
09 29 10 00-0153 LF 1-1/2" x 1" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	9.42	1.37
09 29 10 00-0154 LF 3/4" x 1 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	10.80	1.68
09 29 10 00-0155 LF 1-1/2" x 1-1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	11.12	1.68
09 29 10 00-0156 LF 1/2", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board.....	8.51	1.15
09 29 10 00-0157 LF 1 3/16", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board.....	8.30	1.68
09 29 10 00-0158 LF 1/4" Aluminum Extrusions, Double Fin Wall Covering Joiner For Gypsum Board.....	5.93	1.15
09 29 10 00-0159 Special Conditions Reveals For Gypsum Board (09 29 10 00-0063)		
09 29 10 00-0160 Radius Conditions (09 29 10 00-0159)		
09 29 10 00-0161 EA 8' Long Inside Radius For Gypsum Board.....	61.85	
Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.		
09 29 10 00-0162 EA 8' Long Outside Radius For Gypsum Board.....	61.85	
Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.		
09 29 10 00-0163 EA 8' Long Circular / Arched Radius For Gypsum Board.....	61.85	
Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.		
09 29 10 00-0164 Knee Brace Kit (09 29 10 00-0159)		
09 29 10 00-0165 EA 46" H, Aluminum Extrusions, Knee Brace Kit For Gypsum Board.....	142.87	12.06
09 29 10 00-0166 Wall Bumper Rail (09 29 10 00-0159)		
09 29 10 00-0167 LF 2-1/2" x 5/8", Aluminum Extrusions, Wall Bumper Rail For Gypsum Board.....	22.02	4.82
09 29 10 00-0168 Corners For Gypsum Board (09 29 10 00-0063)		
09 29 10 00-0169 LF 1/2"R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	4.79	1.16
09 29 10 00-0170 LF 5/8"R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	5.13	1.26
09 29 10 00-0171 LF 3/4"R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	5.64	1.31
09 29 10 00-0172 LF 1"R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	6.23	1.37
09 29 10 00-0173 LF 1-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	7.56	1.68
09 29 10 00-0174 LF 2" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	8.72	1.88
09 29 10 00-0175 LF 2-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	10.49	2.15
09 29 10 00-0176 LF 3" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	12.67	2.51
09 29 10 00-0177 LF 4" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	17.33	3.35
09 29 10 00-0178 LF 90 Degree 3/8" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board.....	4.75	1.12
09 29 10 00-0179 LF 90 Degree 1-1/4" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board.....	8.36	1.51
09 29 10 00-0180 LF 90 Degree 1-1/4" Aluminum Extrusions, Fabric Tuck Corner For Gypsum Board.....	6.31	1.51
09 29 10 00-0181 LF 90 Degree 1-1/4" Aluminum Extrusions, Corner With Vertical Reveal For Gypsum Board.....	10.54	1.51



Finishes	09
Plaster And Gypsum Board	09 20
Gypsum Board	09 29

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0182	LF		45 Degree 2" Aluminum Extrusions, Corner For Gypsum Board	14.80	1.88
09 29 10 00-0183	LF		60 Degree 2" Aluminum Extrusions, Corner For Gypsum Board	14.26	1.88
09 29 10 00-0184	LF		3/4" Aluminum Extrusions, Chamfered Corner For Gypsum Board	4.82	1.31
09 29 10 00-0185	LF		5/8" R, Aluminum Extrusions, Corners Return For Gypsum Board	4.81	1.26
09 29 10 00-0186	LF		1/2" x 1/2" Aluminum Extrusions, Double Corner Step For Gypsum Board	4.77	1.16
09 29 10 00-0187	LF		5/8" x 5/8" Aluminum Extrusions, Double Corner Step For Gypsum Board	5.03	1.26
09 29 10 00-0188	LF		1" x 1" Aluminum Extrusions, Double Corner Step For Gypsum Board	6.55	1.37
09 29 10 00-0189	LF		1/2" x 1/2" Aluminum Extrusions, Triple Corner Step For Gypsum Board	5.73	1.16
09 29 10 00-0190	LF		5/8" x 5/8" Aluminum Extrusions, Triple Corner Step For Gypsum Board	6.07	1.26
09 29 10 00-0191	LF		1" x 1" Aluminum Extrusions, Triple Corner Step For Gypsum Board	8.58	1.37
09 29 10 00-0192	LF		1/3" x 1/2" Aluminum Extrusions, Quad Corner Step For Gypsum Board	9.20	1.16
09 29 10 00-0193	LF		3" Aluminum Extrusions, Bullnose For Gypsum Board	16.16	2.51
09 29 10 00-0194	LF		3-7/8" Aluminum Extrusions, Bullnose For Gypsum Board	17.15	2.51
09 29 10 00-0195	LF		5-3/8", Aluminum Extrusions, Bullnose For Gypsum Board	31.43	4.19
09 29 10 00-0196	LF		7-3/8", Aluminum Extrusions, Bullnose For Gypsum Board	51.46	5.93
09 29 10 00-0197	LF		3/4" R, Aluminum Extrusions, Inside Corner For Gypsum Board	5.65	1.29
09 29 10 00-0198	LF		1" R, Aluminum Extrusions, Inside Corner For Gypsum Board	6.38	1.35
09 29 10 00-0199	LF		1-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board	7.68	1.65
09 29 10 00-0200	LF		2"R, Aluminum Extrusions, Inside Corner For Gypsum Board	9.31	1.86
09 29 10 00-0201	LF		2-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board	12.84	2.12
09 29 10 00-0202	LF		3"R, Aluminum Extrusions, Inside Corner For Gypsum Board	14.01	2.47
09 29 10 00-0203	LF		4" R, Aluminum Extrusions, Inside Corner For Gypsum Board	16.24	3.30
09 29 10 00-0204	LF		3-5/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	10.60	2.47
09 29 10 00-0205	LF		3-7/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	10.72	2.47
09 29 10 00-0206	LF		4-3/4", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	11.51	2.47
09 29 10 00-0207	LF		5", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	11.76	2.47

09 29 82 Gypsum Board Fire Protection (09 29)

09 29 82 00-0001			Shaft Wall (09 29 82) See CSI section 09 29 10 00-0047 for finishing drywall.		
09 29 82 00-0002	SF		3/4" Fire Rated Shaft Wall Assembly	6.22	2.41
			Note: 1/4" thick fiber-cement board with tapered edges over 1/2" thick type "X" gypsum board. Excludes studs or wall structure.		
			<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	2.42	
			<i>For Horizontal Installation Up To 10' High, Add</i>	1.64	
			<i>For Horizontal Installation >10' High, Add</i>	2.42	
			<i>For Walls >10' High, Add</i>	0.39	
			<i>For Up To 128, Add</i>	2.21	
			<i>For >128 To 320, Add</i>	1.35	
			<i>For >1,536, Deduct</i>	-0.45	
09 29 82 00-0003	SF		7/8" Fire Rated Shaft Wall Assembly	7.20	2.90
			Note: 1/4" thick fiber-cement board with tapered edges over 5/8" thick type "X" gypsum board. Excludes studs or wall structure.		
			<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	2.90	
			<i>For Horizontal Installation Up To 10' High, Add</i>	1.97	
			<i>For Horizontal Installation >10' High, Add</i>	2.90	
			<i>For Walls >10' High, Add</i>	0.46	
			<i>For Up To 128, Add</i>	2.60	
			<i>For >128 To 320, Add</i>	1.59	
			<i>For >1,536, Deduct</i>	-0.50	
09 29 82 00-0004	SF		2-1/2", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly	5.64	1.86
			Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
			<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	1.86	
			<i>For Horizontal Installation Up To 10' High, Add</i>	1.26	
			<i>For Horizontal Installation >10' High, Add</i>	1.86	
			<i>For Walls >10' High, Add</i>	0.30	
			<i>For Up To 128, Add</i>	1.87	
			<i>For >128 To 320, Add</i>	1.12	
			<i>For Glass Mat Surfaces, Add</i>	0.22	
09 29 82 00-0005	SF		4", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly	6.01	1.95
			Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
			<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	1.95	
			<i>For Horizontal Installation Up To 10' High, Add</i>	1.33	
			<i>For Horizontal Installation >10' High, Add</i>	1.95	
			<i>For Walls >10' High, Add</i>	0.31	
			<i>For Up To 128, Add</i>	1.98	
			<i>For >128 To 320, Add</i>	1.19	
			<i>For Glass Mat Surfaces, Add</i>	0.22	
09 29 82 00-0006	SF		2-1/2", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly	6.50	1.95
			Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
			<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	1.95	
			<i>For Horizontal Installation Up To 10' High, Add</i>	1.33	
			<i>For Horizontal Installation >10' High, Add</i>	1.95	
			<i>For Walls >10' High, Add</i>	0.31	
			<i>For Up To 128, Add</i>	2.08	
			<i>For >128 To 320, Add</i>	1.24	
			<i>For Glass Mat Surfaces, Add</i>	0.22	

09 Finishes
09 20 Plaster And Gypsum Board
09 29 Gypsum Board



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 82 00-0007	SF		4", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly .....6.88		2.04
			Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
			For Times When The Shortest Distance From Corner to Corner Is <3', Add	2.05	
			For Horizontal Installation Up To 10' High, Add	1.39	
			For Horizontal Installation >10' High, Add	2.05	
			For Walls >10' High, Add	0.33	
			For Up To 128, Add	2.19	
			For >128 To 320, Add	1.30	
			For Glass Mat Surfaces, Add	0.22	

09 30 Tiling⁽⁰⁹⁾

Note: All tiles are standard grade ANSI 137.1 or higher, mounted and unmounted, cushioned or non-cushioned edge, all tile colors, all grout colors, PEI rating 1 through 4, and include patterns. Glazing shall meet ASTM C484 and C424. Mounted tiles are assembled into sheets to facilitate handling and installation. Perforated paper, fiber mesh, or other suitable bonding material applied to the front, backs or edges of the tile can be used to mount the tiles. Cushioned edge tile has facial edges with a distinct curvature that results in a slightly recessed joint. All floor, wall, ceiling, cove base and trim tile will be installed in accordance with ANSI 108.1 using these setting methods. Includes initial wax and seal.

09 30 13 Ceramic Tiling^(09 30)

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 13 00-0001 Ceramic Tiling^(09 30 13)

09 30 13 00-0002	SF		2" x 2" x 1/4" Thick, Unpolished Ceramic Floor Tile .....11.16		2.54
			Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.		
09 30 13 00-0003	SF		Less Than 8" x 8" Mounted Floor Tile .....11.31		2.54
			Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
			For Up To 50, Add	6.63	
			For >50 To 250, Add	1.01	
			For >1,000, Deduct	-0.51	
			For Epoxy Grout, Add	1.19	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 13 00-0004	SF		8" x 8" And Larger Unmounted Floor Tile .....12.57		1.58
			Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
			For Up To 50, Add	7.89	
			For >50 To 250, Add	1.27	
			For >1,000, Deduct	-0.63	
			For Epoxy Grout, Add	1.38	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 13 00-0005	SF		Mounted Floor Tile, Residential Grade .....9.00		2.54
			Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
			For Up To 50, Add	6.05	
			For >50 To 250, Add	1.01	
			For >1,000, Deduct	-0.51	
09 30 13 00-0006	SF		2" x 2" x 1/4" Thick, Unpolished Ceramic Mounted Wall Tile .....12.23		3.07
			Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.		
09 30 13 00-0007	SF		Less than 8" x 8" Mounted Wall Tile .....12.38		3.07
			Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
			For Up To 50, Add	7.70	
			For >50 To 250, Add	1.23	
			For >1,000, Deduct	-0.61	
			For Epoxy Grout, Add	1.35	
09 30 13 00-0008	SF		8" x 8" And Larger Unmounted Wall Tile .....14.00		1.95
			Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
			For Up To 50, Add	9.32	
			For >50 To 250, Add	1.55	
			For >1,000, Deduct	-0.78	
			For Epoxy Grout, Add	1.59	
09 30 13 00-0009	SF		Mounted Wall Tile, Residential Grade .....10.07		3.07
			Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
			For Up To 50, Add	7.12	
			For >50 To 250, Add	1.23	
			For >1,000, Deduct	-0.61	
09 30 13 00-0010	SF		Less than 8" x 8" Mounted Ceiling Tile .....16.88		5.33
			Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
			For Up To 50, Add	12.20	
			For >50 To 250, Add	2.13	
			For >1,000, Deduct	-1.06	
			For Chemical Resistant Epoxy Grout, Add	1.90	
09 30 13 00-0011	SF		8" x 8" And Larger Unmounted Ceiling Tile .....19.02		3.19
			Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
			For Up To 50, Add	14.34	
			For >50 To 250, Add	2.56	
			For >1,000, Deduct	-1.28	
			For Chemical Resistant Epoxy Grout, Add	2.22	
09 30 13 00-0012	LF		4-1/4" To 4-1/2" High Glazed Porcelain, Unglazed Porcelain And Glazed Ceramic Cove Base Or Trim .....10.42		2.22
			For Chemical Resistant Epoxy Grout, Add	1.53	
09 30 13 00-0013	SF		2" x 2" x 1/4" Thick, Unpolished Ceramic Mounted Floor Tile, Residential Grade .....8.35		2.54
			Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.		
09 30 13 00-0014	LF		6" High x 12" Long, Unpolished Ceramic Cove Base (Daltile Portfolio) .....14.24		2.22



Finishes	09	09
Tiling	09 30	
Ceramic Tiling	09 30 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 30 13 00-0015 LF 6" High x 24" Long, Unpolished Ceramic Cove Base (Daltile Portfolio)	15.69	2.22
09 30 13 00-0016 EA 6" High, Unpolished Ceramic Cove Base Outer Corner	10.89	0.48

09 30 16 Quarry Tiling (09 30)

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 16 00-0001 SF Unglazed Quarry Floor Tile	9.66	1.79
Note: With or without embedded abrasive grit.		
For Up To 50, Add	7.73	
For >50 To 250, Add	1.42	
For >1,000, Deduct	-0.71	
For Epoxy Grout, Add	1.49	
09 30 16 00-0002 SF Glazed Quarry Floor Tile	17.55	1.79
For Up To 50, Add	9.71	
For >50 To 250, Add	1.42	
For >1,000, Deduct	-0.71	
For Epoxy Grout, Add	1.49	
09 30 16 00-0003 SF Unglazed Quarry Wall Tile	11.09	2.11
Note: With or without embedded abrasive grit.		
For Up To 50, Add	9.16	
For >50 To 250, Add	1.70	
For >1,000, Deduct	-0.85	
For Epoxy Grout, Add	1.71	
09 30 16 00-0004 SF Glazed Quarry Wall Tile	18.98	2.11
For Up To 50, Add	11.14	
For >50 To 250, Add	1.70	
For >1,000, Deduct	-0.85	
For Epoxy Grout, Add	1.71	
09 30 16 00-0005 LF 6" High Unglazed Quarry Tile Cove Base Or Trim	13.36	2.35
For Chemical Resistant Epoxy Grout, Add	1.60	
09 30 16 00-0006 LF 6" High Glazed Quarry Tile Cove Base Or Trim	26.29	2.35
For Chemical Resistant Epoxy Grout, Add	1.60	

09 30 33 Stone Tiling (09 30)

Note: Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 33 00-0001 Marble Floor Tile (09 30 33)

09 30 33 00-0002 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cherry Blossom"	10.58	1.58
For Up To 50, Add	7.39	
For >50 To 250, Add	1.27	
For >1,000, Deduct	-0.63	
For Epoxy Grout, Add	1.38	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0003 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Laurent Brown"	10.98	1.58
For Up To 50, Add	7.49	
For >50 To 250, Add	1.27	
For >1,000, Deduct	-0.63	
For Epoxy Grout, Add	1.38	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0004 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Temple Gray"	11.19	1.58
For Up To 50, Add	7.55	
For >50 To 250, Add	1.27	
For >1,000, Deduct	-0.63	
For Epoxy Grout, Add	1.38	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0005 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Emperador Cafe"	11.28	1.58
For Up To 50, Add	7.57	
For >50 To 250, Add	1.27	
For >1,000, Deduct	-0.63	
For Epoxy Grout, Add	1.38	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0006 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "China Black"	11.34	1.58
For Up To 50, Add	7.58	
For >50 To 250, Add	1.27	
For >1,000, Deduct	-0.63	
For Epoxy Grout, Add	1.38	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0007 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Sea Grass Honed"	11.43	1.58
For Up To 50, Add	7.61	
For >50 To 250, Add	1.27	
For >1,000, Deduct	-0.63	
For Epoxy Grout, Add	1.38	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0008 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Gris Magma or Gris Nebula"	11.65	1.58
For Up To 50, Add	7.66	
For >50 To 250, Add	1.27	
For >1,000, Deduct	-0.63	
For Epoxy Grout, Add	1.38	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	

09 Finishes

09 30 Tiling

09 30 33 Stone Tiling



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0009	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Dark Green".....	13.03	1.58
			For Up To 50, Add	8.01	
			For >50 To 250, Add	1.27	
			For >1,000, Deduct	-0.63	
			For Epoxy Grout, Add	1.38	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0010	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cappuccino Light"	13.18	1.58
			For Up To 50, Add	8.04	
			For >50 To 250, Add	1.27	
			For >1,000, Deduct	-0.63	
			For Epoxy Grout, Add	1.38	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0011	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Botticino Cream".....	13.47	1.58
			For Up To 50, Add	8.12	
			For >50 To 250, Add	1.27	
			For >1,000, Deduct	-0.63	
			For Epoxy Grout, Add	1.38	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0012	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Crema Marfil Classic".....	13.79	1.58
			For Up To 50, Add	8.20	
			For >50 To 250, Add	1.27	
			For >1,000, Deduct	-0.63	
			For Epoxy Grout, Add	1.38	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0013	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Arabescato Carrara".....	14.02	1.58
			For Up To 50, Add	8.25	
			For >50 To 250, Add	1.27	
			For >1,000, Deduct	-0.63	
			For Epoxy Grout, Add	1.38	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0014	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Giallo Crystal Onyx".....	14.78	1.58
			For Up To 50, Add	8.44	
			For >50 To 250, Add	1.27	
			For >1,000, Deduct	-0.63	
			For Epoxy Grout, Add	1.38	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0015	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cafe Forest or Rain Forest".....	16.20	1.58
			For Up To 50, Add	8.80	
			For >50 To 250, Add	1.27	
			For >1,000, Deduct	-0.63	
			For Epoxy Grout, Add	1.38	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0016	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Arabescato".....	16.29	1.58
			For Up To 50, Add	8.82	
			For >50 To 250, Add	1.27	
			For >1,000, Deduct	-0.63	
			For Epoxy Grout, Add	1.38	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0017	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Carrara White".....	17.36	1.58
			For Up To 50, Add	9.09	
			For >50 To 250, Add	1.27	
			For >1,000, Deduct	-0.63	
			For Epoxy Grout, Add	1.38	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0018	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Crema Marfil Select Or Sahara Gold".....	17.72	1.58
			For Up To 50, Add	9.18	
			For >50 To 250, Add	1.27	
			For >1,000, Deduct	-0.63	
			For Epoxy Grout, Add	1.38	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0019	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Botticino Fiorito Or Michelangelo".....	17.87	1.58
			For Up To 50, Add	9.22	
			For >50 To 250, Add	1.27	
			For >1,000, Deduct	-0.63	
			For Epoxy Grout, Add	1.38	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0020	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Crema Marfil Antique".....	18.12	1.58
			For Up To 50, Add	9.28	
			For >50 To 250, Add	1.27	
			For >1,000, Deduct	-0.63	
			For Epoxy Grout, Add	1.38	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0021	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Emperador Dark Or Super Thassos Glass".....	20.09	1.58
			For Up To 50, Add	9.77	
			For >50 To 250, Add	1.27	
			For >1,000, Deduct	-0.63	
			For Epoxy Grout, Add	1.38	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0022	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Rosa Verona"	21.21	1.58
			For Up To 50, Add	10.05	
			For >50 To 250, Add	1.27	
			For >1,000, Deduct	-0.63	
			For Epoxy Grout, Add	1.38	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0023	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Rojo Alicante"	21.52	1.58
			<i>For Up To 50, Add</i>	10.13	
			<i>For >50 To 250, Add</i>	1.27	
			<i>For >1,000, Deduct</i>	-0.63	
			<i>For Epoxy Grout, Add</i>	1.38	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0024	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Emperador Light"	21.67	1.58
			<i>For Up To 50, Add</i>	10.17	
			<i>For >50 To 250, Add</i>	1.27	
			<i>For >1,000, Deduct</i>	-0.63	
			<i>For Epoxy Grout, Add</i>	1.38	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0025 Granite Floor Tile <small>(09 30 33)</small>					
09 30 33 00-0026	SF		12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Crystal Gray"	9.52	1.58
			<i>For Up To 50, Add</i>	7.13	
			<i>For >50 To 250, Add</i>	1.27	
			<i>For >1,000, Deduct</i>	-0.63	
			<i>For Epoxy Grout, Add</i>	1.38	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0027	SF		12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Peach Flower"	10.28	1.58
			<i>For Up To 50, Add</i>	7.32	
			<i>For >50 To 250, Add</i>	1.27	
			<i>For >1,000, Deduct</i>	-0.63	
			<i>For Epoxy Grout, Add</i>	1.38	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0028	SF		12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Golden Yellow"	10.89	1.58
			<i>For Up To 50, Add</i>	7.47	
			<i>For >50 To 250, Add</i>	1.27	
			<i>For >1,000, Deduct</i>	-0.63	
			<i>For Epoxy Grout, Add</i>	1.38	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0029	SF		12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Absolute Black"	13.32	1.58
			<i>For Up To 50, Add</i>	8.08	
			<i>For >50 To 250, Add</i>	1.27	
			<i>For >1,000, Deduct</i>	-0.63	
			<i>For Epoxy Grout, Add</i>	1.38	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0030	SF		12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Tan Brown"	13.79	1.58
			<i>For Up To 50, Add</i>	8.20	
			<i>For >50 To 250, Add</i>	1.27	
			<i>For >1,000, Deduct</i>	-0.63	
			<i>For Epoxy Grout, Add</i>	1.38	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0031	SF		12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Black Galaxy"	14.23	1.58
			<i>For Up To 50, Add</i>	8.31	
			<i>For >50 To 250, Add</i>	1.27	
			<i>For >1,000, Deduct</i>	-0.63	
			<i>For Epoxy Grout, Add</i>	1.38	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0032	SF		12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Kashmir White Or Gold"	14.68	1.58
			<i>For Up To 50, Add</i>	8.42	
			<i>For >50 To 250, Add</i>	1.27	
			<i>For >1,000, Deduct</i>	-0.63	
			<i>For Epoxy Grout, Add</i>	1.38	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0033	SF		12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Giallo Santa Cecelia"	15.23	1.58
			<i>For Up To 50, Add</i>	8.56	
			<i>For >50 To 250, Add</i>	1.27	
			<i>For >1,000, Deduct</i>	-0.63	
			<i>For Epoxy Grout, Add</i>	1.38	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0034	SF		12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Verde UbaTuba"	15.75	1.58
			<i>For Up To 50, Add</i>	8.69	
			<i>For >50 To 250, Add</i>	1.27	
			<i>For >1,000, Deduct</i>	-0.63	
			<i>For Epoxy Grout, Add</i>	1.38	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0035	SF		12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "New Venetian Gold"	16.29	1.58
			<i>For Up To 50, Add</i>	8.82	
			<i>For >50 To 250, Add</i>	1.27	
			<i>For >1,000, Deduct</i>	-0.63	
			<i>For Epoxy Grout, Add</i>	1.38	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0036	SF		12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Tropic Brown"	16.81	1.58
			<i>For Up To 50, Add</i>	8.95	
			<i>For >50 To 250, Add</i>	1.27	
			<i>For >1,000, Deduct</i>	-0.63	
			<i>For Epoxy Grout, Add</i>	1.38	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	

09 Finishes**09 30 Tiling****09 30 33 Stone Tiling**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 30 33 00-0037	SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Baltic Brown Or Indian Dakota"	17.42	1.58
	For Up To 50, Add	9.10	
	For >50 To 250, Add	1.27	
	For >1,000, Deduct	-0.63	
	For Epoxy Grout, Add	1.38	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0038	SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Dynamic Blue"	18.03	1.58
	For Up To 50, Add	9.26	
	For >50 To 250, Add	1.27	
	For >1,000, Deduct	-0.63	
	For Epoxy Grout, Add	1.38	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0039	SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Blue Pearl Or Emerald Pearl"	20.15	1.58
	For Up To 50, Add	9.79	
	For >50 To 250, Add	1.27	
	For >1,000, Deduct	-0.63	
	For Epoxy Grout, Add	1.38	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0040	Slate Floor Tile (09 30 33)		
09 30 33 00-0041	SF 12" x 12" And Larger Unmounted Slate Floor Tile, "Raja Classic"	8.61	1.58
	For Up To 50, Add	6.90	
	For >50 To 250, Add	1.27	
	For >1,000, Deduct	-0.63	
	For Epoxy Grout, Add	1.38	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0042	SF 12" x 12" And Larger Unmounted Slate Floor Tile, "Rustic Gold"	9.00	1.58
	For Up To 50, Add	7.00	
	For >50 To 250, Add	1.27	
	For >1,000, Deduct	-0.63	
	For Epoxy Grout, Add	1.38	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0043	SF 12" x 12" And Larger Unmounted Slate Floor Tile, "California Gold Or Black Rust"	9.22	1.58
	For Up To 50, Add	7.05	
	For >50 To 250, Add	1.27	
	For >1,000, Deduct	-0.63	
	For Epoxy Grout, Add	1.38	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0044	SF 12" x 12" And Larger Unmounted Slate Floor Tile, "Indian Autumn"	9.22	1.58
	For Up To 50, Add	7.05	
	For >50 To 250, Add	1.27	
	For >1,000, Deduct	-0.63	
	For Epoxy Grout, Add	1.38	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0045	SF 12" x 12" And Larger Unmounted Slate Floor Tile, "China Multi, Earth, Or Autumn Blend"	9.37	1.58
	For Up To 50, Add	7.09	
	For >50 To 250, Add	1.27	
	For >1,000, Deduct	-0.63	
	For Epoxy Grout, Add	1.38	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0046	SF 12" x 12" And Larger Unmounted Slate Floor Tile, "Lilac Kashmir Or Madras Yellow"	9.82	1.58
	For Up To 50, Add	7.20	
	For >50 To 250, Add	1.27	
	For >1,000, Deduct	-0.63	
	For Epoxy Grout, Add	1.38	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0047	SF 12" x 12" And Larger Unmounted Slate Floor Tile, "Montauk Blue, Copper Quartzite, Montauk Black, San Rio Rustic, Or Gold Green Quartzite"	10.28	1.58
	For Up To 50, Add	7.32	
	For >50 To 250, Add	1.27	
	For >1,000, Deduct	-0.63	
	For Epoxy Grout, Add	1.38	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0048	SF 12" x 12" And Larger Unmounted Slate Floor Tile, "Ocean Green Quartzite Or Golden White Quartzite"	10.43	1.58
	For Up To 50, Add	7.36	
	For >50 To 250, Add	1.27	
	For >1,000, Deduct	-0.63	
	For Epoxy Grout, Add	1.38	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0049	Travertine Floor Tile (09 30 33)		
09 30 33 00-0050	SF 12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Noce Rustic"	10.28	1.58
	For Up To 50, Add	7.32	
	For >50 To 250, Add	1.27	
	For >1,000, Deduct	-0.63	
	For Epoxy Grout, Add	1.38	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0051	SF 12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Denizli Beige Or Oasis Walnut"	10.74	1.58
	For Up To 50, Add	7.43	
	For >50 To 250, Add	1.27	
	For >1,000, Deduct	-0.63	
	For Epoxy Grout, Add	1.38	
	For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	



Finishes	09	09
Tiling	09 30	
Stone Tiling	09 30 33	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0052 SF 12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Oasis Gold"	11.04	1.58
For Up To 50, Add	7.51	
For >50 To 250, Add	1.27	
For >1,000, Deduct	-0.63	
For Epoxy Grout, Add	1.38	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0053 SF 12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Navona Light - Ivory"	11.49	1.58
For Up To 50, Add	7.62	
For >50 To 250, Add	1.27	
For >1,000, Deduct	-0.63	
For Epoxy Grout, Add	1.38	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0054 SF 12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Oasis Noce"	11.65	1.58
For Up To 50, Add	7.66	
For >50 To 250, Add	1.27	
For >1,000, Deduct	-0.63	
For Epoxy Grout, Add	1.38	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0055 SF 12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Durango Antique"	11.80	1.58
For Up To 50, Add	7.70	
For >50 To 250, Add	1.27	
For >1,000, Deduct	-0.63	
For Epoxy Grout, Add	1.38	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0056 SF 12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Durango Cream"	13.26	1.58
For Up To 50, Add	8.06	
For >50 To 250, Add	1.27	
For >1,000, Deduct	-0.63	
For Epoxy Grout, Add	1.38	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0057 Limestone Floor Tile <small>(09 30 33)</small>		
09 30 33 00-0058 SF 12" x 12" And Larger Unmounted Limestone Floor Tile, "Isis Gold"	13.17	1.58
For Up To 50, Add	8.04	
For >50 To 250, Add	1.27	
For >1,000, Deduct	-0.63	
For Epoxy Grout, Add	1.38	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0059 SF 12" x 12" And Larger Unmounted Limestone Floor Tile, "Tiara Beige"	13.62	1.58
For Up To 50, Add	8.15	
For >50 To 250, Add	1.27	
For >1,000, Deduct	-0.63	
For Epoxy Grout, Add	1.38	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0060 SF 12" x 12" And Larger Unmounted Limestone Floor Tile, "Halila Cream"	15.99	1.58
For Up To 50, Add	8.75	
For >50 To 250, Add	1.27	
For >1,000, Deduct	-0.63	
For Epoxy Grout, Add	1.38	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0061 SF 12" x 12" And Larger Unmounted Limestone Floor Tile, "Ramon Gold"	17.42	1.58
For Up To 50, Add	9.10	
For >50 To 250, Add	1.27	
For >1,000, Deduct	-0.63	
For Epoxy Grout, Add	1.38	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0062 SF 12" x 12" And Larger Unmounted Limestone Floor Tile, "Chestnut Brown Or Jerusalem Bone"	17.42	1.58
For Up To 50, Add	9.10	
For >50 To 250, Add	1.27	
For >1,000, Deduct	-0.63	
For Epoxy Grout, Add	1.38	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0063 SF 12" x 12" And Larger Unmounted Limestone Floor Tile, "Lagos Blue"	17.87	1.58
For Up To 50, Add	9.22	
For >50 To 250, Add	1.27	
For >1,000, Deduct	-0.63	
For Epoxy Grout, Add	1.38	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0064 SF 12" x 12" And Larger Unmounted Limestone Floor Tile, "Jura Gray"	19.54	1.58
For Up To 50, Add	9.63	
For >50 To 250, Add	1.27	
For >1,000, Deduct	-0.63	
For Epoxy Grout, Add	1.38	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	

09 31 Thin-Set Tiling (09 30)

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 31 13 Thin-Set Ceramic Tiling (09 31)

09 31 13 00-0001 Thin-Set Ceramic Tiling (09 31 13)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 31 13 00-0002 SF Thin Set - Latex Portland Cement Mortar	1.53	0.84
For Up To 50, Add	1.33	
For >50 To 250, Add	0.25	
For >1,000, Deduct	-0.13	
09 31 13 00-0003 SF Clean And Scarify Existing Tile For Installation Of New Tile Over Existing.....	0.81	
For Up To 50, Add	0.81	
For >50 To 250, Add	0.16	
For >1,000, Deduct	-0.08	
09 32 Mortar-Bed Tiling (09 30)		
Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.		
09 32 13 Mortar-Bed Ceramic Tiling (09 32)		
09 32 13 00-0001 Mortar-Bed Ceramic Tiling (09 32 13)		
09 32 13 00-0002 SF 3/4" Minimum Thickness Portland Cement Mortar Setting Bed	3.57	1.69
Note: For residential floors. Includes 15 LB felt and wire reinforcement.		
For Up To 50, Add	2.80	
For >50 To 250, Add	0.51	
For >1,000, Deduct	-0.25	
For Exterior Installation (Galvanized Reinforcement), Add	0.15	
09 32 13 00-0003 SF 1-1/4" Minimum Thickness Portland Cement Mortar Setting Bed	5.17	2.26
Note: For commercial floors. Includes 15 LB felt and wire reinforcement.		
For Up To 50, Add	3.83	
For >50 To 250, Add	0.68	
For >1,000, Deduct	-0.34	
For Exterior Installation (Galvanized Reinforcement), Add	0.15	
09 32 13 00-0004 SF 3/4" Portland Cement Plaster Scratch Coat for Walls	11.55	5.07
Note: Includes 15 LB felt and expanded metal lath.		
For Up To 50, Add	10.49	
For >50 To 250, Add	2.03	
For >1,000, Deduct	-1.01	
For Exterior Installation (Galvanized Reinforcement), Add	0.15	
For Installation Without Felt And Metal Lath, Deduct	-1.98	
09 34 Waterproofing-Membrane Tiling (09 30)		
09 34 00 00-0001 Bonded Waterproofing System for Tiled Showers, Steam Showers, and Bathtub Surrounds (09 34)		
09 34 00 00-0002 Prefabricated Assemblies For Tiled Showers (Schluter® KERDI Shower ST) (09 34 00 00-0001)		
Note: For creating a watertight sloped shower assembly without a mortar bed. Includes a prefabricated polystyrene foam shower tray, 6" x 4-1/2" prefabricated polystyrene foam shower curb, waterproofing membrane for shower tray and surround, and center shower drain. Excludes tile, mortar, grout and shower accessories.		
09 34 00 00-0003 EA 48" x 48", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	878.08	
09 34 00 00-0004 EA 32" x 60", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	1,001.78	
09 34 00 00-0005 EA 72" x 72", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	1,460.68	
09 34 00 00-0006 Prefabricated Polystyrene Shower Curbs And Ramps (09 34 00 00-0001)		
Note: Prefabricated shower curbs and ramps for tiling over. Excludes tile.		
09 34 00 00-0007 EA 15-7/8" Width, 48" Length, Prefabricated Polystyrene Shower Ramp (Schluter® SR-122)	106.92	
09 34 00 00-0008 EA 4-1/2" Width, 6" Height, 48" Length, Prefabricated Polystyrene Shower Curb (Schluter® SC-122)	100.11	
09 34 00 00-0009 Prefabricated Polystyrene Shower Benches (09 34 00 00-0001)		
Note: Prefabricated shower bench for tiling over. Excludes tile.		
09 34 00 00-0010 EA 16" Width, 16" Depth, 20" Height, Triangular Prefabricated Polystyrene Shower Bench (Schluter® SB41)	201.45	
09 34 00 00-0011 EA 32" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB4181)	396.88	
09 34 00 00-0012 EA 48" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB41122)	488.08	
09 34 00 00-0013 EA 32" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB2981)	357.79	
09 34 00 00-0014 EA 42" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29107)	396.88	
09 34 00 00-0015 EA 48" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29122)	422.93	
09 34 00 00-0016 Prefabricated Polystyrene Shower Tray (09 34 00 00-0001)		
Note: Prefabricated shower tray for tiling over. Excludes tile.		
09 34 00 00-0017 EA 32" x 60", Prefabricated Polystyrene Shower Tray (Schluter® ST-81/152)	178.58	
09 34 00 00-0018 EA 48" x 48", Prefabricated Polystyrene Shower Tray (Schluter® ST-122)	178.58	
09 34 00 00-0019 EA 72" x 72", Prefabricated Polystyrene Shower Tray (Schluter® ST-183)	269.77	
09 34 00 00-0020 Waterproofing, Uncoupling And Vapor Management Membranes (Schluter® DITRA) (09 34 00 00-0001)		
09 34 00 00-0021 SF 1/8" Thick, High-Density Polyethylene Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA)	3.26	
09 34 00 00-0022 SF 5/16" Thick, High-Density Polyethylene Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA-XL)	3.71	



Finishes		09
Tiling		09 30
Waterproofing-Membrane Tiling		09 34

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 34 00 00-0023 Bonded Waterproof Underlayment Membranes (Schluter® KERDI) <small>(09 34 00 00-0001)</small>		
09 34 00 00-0024 SF 0.008" Polyethylene Membrane With Polypropylene Fleece Laminated On Both Sides, Bonded Waterproof Underlayment Membrane (Schluter® KERDI 200/5M).....	2.91	
09 35 Chemical-Resistant Tiling <small>(09 30)</small>		
Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.		
09 35 13 Chemical-Resistant Ceramic Tiling <small>(09 35)</small>		
09 35 13 00-0001 Chemical-Resistant Ceramic Tiling <small>(09 35 13)</small>		
09 35 13 00-0002 SF Thin Set - Epoxy Mortar.....	4.64	1.11
Note: Impact and chemical resistant.		
For Up To 50, Add	2.43	
For >50 To 250, Add	0.34	
For >1,000, Deduct	-0.17	
09 39 Tiling Transitions <small>(09 30)</small>		
09 39 00 00-0001 Tile Waterproofing And Crack Prevention <small>(09 39)</small>		
09 39 00 00-0002 CSF 30 Mil Waterproofing And Crack Prevention Membrane; RedGard.....	79.52	
For Chemical Resistant Epoxy Grout, Add	5.03	
09 39 00 00-0003 Waterproof Strip Membranes (Schluter® KERDI) <small>(09 39)</small>		
09 39 00 00-0004 LF 5" Wide, 4 mil Polyethylene Waterproof Strip Membrane (Schluter® KERDI BAND).....	3.87	
09 39 00 00-0005 LF 10" Wide, 12 mil Polyethylene Waterproof Strip Membrane (Schluter® KERDI FLEX).....	7.34	
09 39 00 00-0006 Coved Shaped Transition Profiles For Floor To Wall For Tile <small>(09 39)</small>		
09 39 00 00-0007 LF 5/16" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK).....	4.83	
09 39 00 00-0008 LF 3/8" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK).....	4.82	
09 39 00 00-0009 LF 1/2" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK).....	4.98	
09 39 00 00-0010 LF 5/16" Height, PVC Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-PHK).....	4.62	
09 39 00 00-0011 LF 3/8" Height, Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-PHK).....	4.78	
09 39 00 00-0012 Coved Shaped Inside Edge Protection And Transition Profiles For Wall To Wall For Tile <small>(09 39)</small>		
09 39 00 00-0013 LF 9/32" x 9/32" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-EHK).....	9.43	
09 39 00 00-0014 LF 11/32" x 11/32" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-EHK).....	9.68	
09 39 00 00-0015 LF 7/16" x 7/16" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-EHK).....	9.97	
09 39 00 00-0016 Tile Substrate (Schluter® KERDI BOARD) <small>(09 39)</small>		
09 39 00 00-0017 SF 1/2" Tile Substrate And Building Panel (Schluter® KERDI BOARD).....	5.77	0.67
09 39 00 00-0018 SF 5/8" Tile Substrate And Building Panel (Schluter® KERDI BOARD).....	6.48	0.77
09 39 00 00-0019 Floor Edge Protection And Transition Profiles For Tile <small>(09 39)</small>		
09 39 00 00-0020 LF 1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE).....	2.76	
09 39 00 00-0021 LF 5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE).....	2.83	
09 39 00 00-0022 LF 3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE).....	2.90	
09 39 00 00-0023 LF 1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE).....	3.02	
09 39 00 00-0024 LF 1/4" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS).....	3.50	
09 39 00 00-0025 LF 5/16" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS).....	3.59	
09 39 00 00-0026 LF 3/8" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS).....	3.66	
09 39 00 00-0027 LF 1/2" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS).....	3.74	
09 39 00 00-0028 LF 9/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T).....	2.87	
09 39 00 00-0029 LF 1" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T).....	3.74	
09 39 00 00-0030 LF 1/4" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK).....	3.51	
09 39 00 00-0031 LF 5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK).....	3.67	
09 39 00 00-0032 LF 3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK).....	3.82	
09 39 00 00-0033 LF 1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK).....	4.52	
09 39 00 00-0034 LF 5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U).....	3.62	
09 39 00 00-0035 LF 3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U).....	3.77	
09 39 00 00-0036 LF 1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U).....	4.47	
09 39 00 00-0037 Outside Wall Edge Protection And Transition Profiles For Tile <small>(09 39)</small>		
09 39 00 00-0038 LF 1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC).....	3.60	
09 39 00 00-0039 LF 5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC).....	3.76	
09 39 00 00-0040 LF 3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC).....	4.00	
09 39 00 00-0041 LF 1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC).....	4.25	
09 39 00 00-0042 LF 1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC).....	3.93	
09 39 00 00-0043 LF 5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC).....	4.24	
09 39 00 00-0044 LF 3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC).....	4.55	

09	09 Finishes
	09 30 Tiling
	09 39 Tiling Transitions



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 39 00 00-0045 LF 1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC).....5.09

09 50 Ceilings (09)

Note: Includes cutting for area around columns, speakers, sprinklers, diffusers, etc.

09 51 Acoustical Ceilings (09 51)

Note: Excludes suspension system. See CSI section 09 53 00 00-0000 for suspension systems.

09 51 13 Acoustical Panel Ceilings (09 51)

Note: Includes cutting around sprinkler heads, speakers, or other penetrations through the ceiling.

09 51 13 00-0001 Fiberglass Panels (09 51 13)

09 51 13 00-0002 Fiberglass Acoustical Panels (09 51 13 00-0001)

09 51 13 00-0003	SF 2' x 2' x 3/4" Fiberglass Acoustical Ceiling Panel (Armstrong Optima®).....	4.92	0.48
	For Up To 50, Add	1.18	
	For >50 To 200, Add	0.71	
	For >200 To 500, Add	0.30	
	For >2,500 To 4,000, Deduct	-0.10	
	For >4,000 To 5,000, Deduct	-0.17	
	For >5,000, Deduct	-0.26	
	For Individual Room Quantities <495, Add	0.71	
	Note: For use with projects >500 SF		
	For Ceilings >10' High, Add	0.08	
09 51 13 00-0004	SF 2' x 4' x 3/4" Fiberglass Acoustical Ceiling Panel (Armstrong Optima®).....	5.08	0.48
	For Up To 50, Add	1.20	
	For >50 To 200, Add	0.73	
	For >200 To 500, Add	0.31	
	For >2,500 To 4,000, Deduct	-0.11	
	For >4,000 To 5,000, Deduct	-0.17	
	For >5,000, Deduct	-0.27	
	For Individual Room Quantities <495, Add	0.73	
	Note: For use with projects >500 SF		
	For Ceilings >10' High, Add	0.08	
09 51 13 00-0005	SF 2' x 2' x 1" Fiberglass Acoustical Ceiling Panel (Armstrong Optima®).....	5.40	0.58
	For Up To 50, Add	1.25	
	For >50 To 200, Add	0.76	
	For >200 To 500, Add	0.33	
	For >2,500 To 4,000, Deduct	-0.11	
	For >4,000 To 5,000, Deduct	-0.18	
	For >5,000, Deduct	-0.28	
	For Individual Room Quantities <495, Add	0.76	
	Note: For use with projects >500 SF		
	For Ceilings >10' High, Add	0.08	
09 51 13 00-0006	SF 2' x 4' x 1" Fiberglass Acoustical Ceiling Panel (Armstrong Optima®).....	5.37	0.58
	For Up To 50, Add	1.25	
	For >50 To 200, Add	0.76	
	For >200 To 500, Add	0.32	
	For >2,500 To 4,000, Deduct	-0.11	
	For >4,000 To 5,000, Deduct	-0.18	
	For >5,000, Deduct	-0.28	
	For Individual Room Quantities <495, Add	0.76	
	Note: For use with projects >500 SF		
	For Ceilings >10' High, Add	0.08	
09 51 13 00-0007	SF 2' x 2' x 1" Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™).....	12.59	0.58
	For Up To 50, Add	2.33	
	For >50 To 200, Add	1.48	
	For >200 To 500, Add	0.68	
	For >2,500 To 4,000, Deduct	-0.26	
	For >4,000 To 5,000, Deduct	-0.40	
	For >5,000, Deduct	-0.57	
	For Individual Room Quantities <495, Add	1.48	
	Note: For use with projects >500 SF		
	For Ceilings >10' High, Add	0.08	
09 51 13 00-0008	SF 2' x 4' x 1" Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™).....	12.59	0.58
	For Up To 50, Add	2.33	
	For >50 To 200, Add	1.48	
	For >200 To 500, Add	0.68	
	For >2,500 To 4,000, Deduct	-0.26	
	For >4,000 To 5,000, Deduct	-0.40	
	For >5,000, Deduct	-0.57	
	For Individual Room Quantities <495, Add	1.48	
	Note: For use with projects >500 SF		
	For Ceilings >10' High, Add	0.08	

09 51 13 00-0009 Mineral Fiber Panels (09 51 13)

09 51 13 00-0010 Mineral Fiber Acoustical Ceiling Panels (09 51 13 00-0009)

Note: Includes square edge and class A fire rating.



		Finishes	09
		Ceilings	09 50
		Acoustical Ceilings	09 51

09

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 51 13 00-0011	SF	2' x 2' x 5/8" Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured).....	2.26		0.58
		<i>For Up To 50, Add</i>		0.78	
		<i>For >50 To 200, Add</i>		0.45	
		<i>For >200 To 500, Add</i>		0.17	
		<i>For >2,500 To 4,000, Deduct</i>		-0.05	
		<i>For >4,000 To 5,000, Deduct</i>		-0.09	
		<i>For >5,000, Deduct</i>		-0.16	
		<i>For Individual Room Quantities <495, Add</i>		0.45	
		<i>Note: For use with projects >500 SF</i>			
		<i>For Vertical Application, Add</i>		0.50	
		<i>For Ceilings >10' High, Add</i>		0.08	
09 51 13 00-0012	SF	2' x 4' x 5/8" Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured).....	2.19		0.58
		<i>For Up To 50, Add</i>		0.77	
		<i>For >50 To 200, Add</i>		0.44	
		<i>For >200 To 500, Add</i>		0.16	
		<i>For >2,500 To 4,000, Deduct</i>		-0.05	
		<i>For >4,000 To 5,000, Deduct</i>		-0.09	
		<i>For >5,000, Deduct</i>		-0.15	
		<i>For Individual Room Quantities <495, Add</i>		0.44	
		<i>Note: For use with projects >500 SF</i>			
		<i>For Vertical Application, Add</i>		0.50	
		<i>For Ceilings >10' High, Add</i>		0.08	
09 51 13 00-0013	SF	2' x 2' x 5/8" Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	2.42		0.58
		<i>For Up To 50, Add</i>		0.80	
		<i>For >50 To 200, Add</i>		0.46	
		<i>For >200 To 500, Add</i>		0.18	
		<i>For >2,500 To 4,000, Deduct</i>		-0.05	
		<i>For >4,000 To 5,000, Deduct</i>		-0.09	
		<i>For >5,000, Deduct</i>		-0.16	
		<i>For Individual Room Quantities <495, Add</i>		0.46	
		<i>Note: For use with projects >500 SF</i>			
		<i>For Vertical Application, Add</i>		0.50	
		<i>For Ceilings >10' High, Add</i>		0.08	
09 51 13 00-0014	SF	2' x 4' x 5/8" Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	2.46		0.58
		<i>For Up To 50, Add</i>		0.81	
		<i>For >50 To 200, Add</i>		0.47	
		<i>For >200 To 500, Add</i>		0.18	
		<i>For >2,500 To 4,000, Deduct</i>		-0.05	
		<i>For >4,000 To 5,000, Deduct</i>		-0.10	
		<i>For >5,000, Deduct</i>		-0.16	
		<i>For Individual Room Quantities <495, Add</i>		0.47	
		<i>Note: For use with projects >500 SF</i>			
		<i>For Vertical Application, Add</i>		0.50	
		<i>For Ceilings >10' High, Add</i>		0.08	
09 51 13 00-0015	SF	2' x 2' x 5/8" Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune)	3.34		0.58
		<i>For Up To 50, Add</i>		0.94	
		<i>For >50 To 200, Add</i>		0.55	
		<i>For >200 To 500, Add</i>		0.22	
		<i>For >2,500 To 4,000, Deduct</i>		-0.07	
		<i>For >4,000 To 5,000, Deduct</i>		-0.12	
		<i>For >5,000, Deduct</i>		-0.20	
		<i>For Individual Room Quantities <495, Add</i>		0.55	
		<i>Note: For use with projects >500 SF</i>			
		<i>For Vertical Application, Add</i>		0.50	
		<i>For Ceilings >10' High, Add</i>		0.08	
09 51 13 00-0016	SF	2' x 4' x 5/8" Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune)	3.42		0.58
		<i>For Up To 50, Add</i>		0.95	
		<i>For >50 To 200, Add</i>		0.56	
		<i>For >200 To 500, Add</i>		0.23	
		<i>For >2,500 To 4,000, Deduct</i>		-0.07	
		<i>For >4,000 To 5,000, Deduct</i>		-0.12	
		<i>For >5,000, Deduct</i>		-0.20	
		<i>For Individual Room Quantities <495, Add</i>		0.56	
		<i>Note: For use with projects >500 SF</i>			
		<i>For Vertical Application, Add</i>		0.50	
		<i>For Ceilings >10' High, Add</i>		0.08	
09 51 13 00-0017	SF	2' x 2' x 3/4" Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured).....	3.53		0.58
		<i>For Up To 50, Add</i>		0.97	
		<i>For >50 To 200, Add</i>		0.57	
		<i>For >200 To 500, Add</i>		0.23	
		<i>For >2,500 To 4,000, Deduct</i>		-0.08	
		<i>For >4,000 To 5,000, Deduct</i>		-0.13	
		<i>For >5,000, Deduct</i>		-0.21	
		<i>For Individual Room Quantities <495, Add</i>		0.57	
		<i>Note: For use with projects >500 SF</i>			
		<i>For Vertical Application, Add</i>		0.50	
		<i>For Ceilings >10' High, Add</i>		0.08	

09 Finishes

09 50 Ceilings

09 51 Acoustical Ceilings



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
09 51 13 00-0018	SF	2' x 4' x 3/4" Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured).....	3.29	0.58
		<i>For Up To 50, Add</i>	0.93	
		<i>For >50 To 200, Add</i>	0.55	
		<i>For >200 To 500, Add</i>	0.22	
		<i>For >2,500 To 4,000, Deduct</i>	-0.07	
		<i>For >4,000 To 5,000, Deduct</i>	-0.12	
		<i>For >5,000, Deduct</i>	-0.20	
		<i>For Individual Room Quantities <495, Add</i>	0.55	
		<i>Note: For use with projects >500 SF</i>		
		<i>For Vertical Application, Add</i>	0.50	
		<i>For Ceilings >10' High, Add</i>	0.08	
09 51 13 00-0019	SF	2' x 2' x 3/4" Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®).....	4.04	0.58
		<i>For Up To 50, Add</i>	1.05	
		<i>For >50 To 200, Add</i>	0.62	
		<i>For >200 To 500, Add</i>	0.26	
		<i>For >2,500 To 4,000, Deduct</i>	-0.09	
		<i>For >4,000 To 5,000, Deduct</i>	-0.14	
		<i>For >5,000, Deduct</i>	-0.23	
		<i>For Individual Room Quantities <495, Add</i>	0.62	
		<i>Note: For use with projects >500 SF</i>		
		<i>For Vertical Application, Add</i>	0.50	
		<i>For Ceilings >10' High, Add</i>	0.08	
09 51 13 00-0020	SF	2' x 4' x 3/4" Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®).....	4.02	0.58
		<i>For Up To 50, Add</i>	1.04	
		<i>For >50 To 200, Add</i>	0.62	
		<i>For >200 To 500, Add</i>	0.26	
		<i>For >2,500 To 4,000, Deduct</i>	-0.09	
		<i>For >4,000 To 5,000, Deduct</i>	-0.14	
		<i>For >5,000, Deduct</i>	-0.23	
		<i>For Individual Room Quantities <495, Add</i>	0.62	
		<i>Note: For use with projects >500 SF</i>		
		<i>For Vertical Application, Add</i>	0.49	
		<i>For Ceilings >10' High, Add</i>	0.08	
09 51 13 00-0021	SF	2' x 2' x 3/4" Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™/High Washability).....	4.51	0.58
		<i>For Up To 50, Add</i>	1.12	
		<i>For >50 To 200, Add</i>	0.67	
		<i>For >200 To 500, Add</i>	0.28	
		<i>For >2,500 To 4,000, Deduct</i>	-0.10	
		<i>For >4,000 To 5,000, Deduct</i>	-0.16	
		<i>For >5,000, Deduct</i>	-0.25	
		<i>For Individual Room Quantities <495, Add</i>	0.67	
		<i>Note: For use with projects >500 SF</i>		
		<i>For Vertical Application, Add</i>	0.50	
		<i>For Ceilings >10' High, Add</i>	0.08	
09 51 13 00-0022	SF	2' x 4' x 3/4" Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™/High Washability).....	4.49	0.58
		<i>For Up To 50, Add</i>	1.11	
		<i>For >50 To 200, Add</i>	0.67	
		<i>For >200 To 500, Add</i>	0.28	
		<i>For >2,500 To 4,000, Deduct</i>	-0.10	
		<i>For >4,000 To 5,000, Deduct</i>	-0.16	
		<i>For >5,000, Deduct</i>	-0.24	
		<i>For Individual Room Quantities <495, Add</i>	0.67	
		<i>Note: For use with projects >500 SF</i>		
		<i>For Vertical Application, Add</i>	0.49	
		<i>For Ceilings >10' High, Add</i>	0.08	
09 51 13 00-0023	SF	2' x 2' x 5/8" Mineral Fiber Acoustical Ceiling Panel (Armstrong VL Perforated).....	5.13	0.58
		<i>For Up To 50, Add</i>	1.21	
		<i>For >50 To 200, Add</i>	0.73	
		<i>For >200 To 500, Add</i>	0.31	
		<i>For >2,500 To 4,000, Deduct</i>	-0.11	
		<i>For >4,000 To 5,000, Deduct</i>	-0.18	
		<i>For >5,000, Deduct</i>	-0.27	
		<i>For Individual Room Quantities <495, Add</i>	0.73	
		<i>Note: For use with projects >500 SF</i>		
		<i>For Vertical Application, Add</i>	0.50	
		<i>For Ceilings >10' High, Add</i>	0.08	
09 51 13 00-0024	SF	2' x 4' x 5/8" Mineral Fiber Acoustical Ceiling Panel (Armstrong VL Perforated).....	5.08	0.58
		<i>For Up To 50, Add</i>	1.19	
		<i>For >50 To 200, Add</i>	0.72	
		<i>For >200 To 500, Add</i>	0.31	
		<i>For >2,500 To 4,000, Deduct</i>	-0.11	
		<i>For >4,000 To 5,000, Deduct</i>	-0.17	
		<i>For >5,000, Deduct</i>	-0.27	
		<i>For Individual Room Quantities <495, Add</i>	0.72	
		<i>Note: For use with projects >500 SF</i>		
		<i>For Vertical Application, Add</i>	0.49	
		<i>For Ceilings >10' High, Add</i>	0.08	
09 51 13 00-0025	SF	20" x 60" x 5/8" Mineral Fiber Acoustical Ceiling Panel (USG 2617).....	2.19	0.58
		<i>For Ceilings >10' High, Add</i>	0.08	
09 51 13 00-0026	SF	20" x 60" x 5/8" Mineral Fiber Acoustical Ceiling Panel (USG 2627).....	2.43	0.58
		<i>For Ceilings >10' High, Add</i>	0.08	

09 51 13 00-0027 Wood Fiber Panels (09 51 13)



Finishes	09	09
Ceilings	09 50	
Acoustical Ceilings	09 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0028 SF 2' x 2' x 1/2" Wood Fiber Acoustical Ceiling Panels.....	4.04	0.77
For Up To 50, Add	1.29	
For >50 To 200, Add	0.75	
For >200 To 500, Add	0.29	
For >2,500 To 4,000, Deduct	-0.09	
For >4,000 To 5,000, Deduct	-0.16	
For >5,000, Deduct	-0.26	
For Individual Room Quantities <495, Add	0.75	
Note: For use with projects >500 SF		
For Ceilings >10' High, Add	0.13	
09 51 13 00-0029 SF 2' x 4' x 1/2" Wood Fiber Acoustical Ceiling Panels.....	3.87	0.67
For Up To 50, Add	1.20	
For >50 To 200, Add	0.70	
For >200 To 500, Add	0.27	
For >2,500 To 4,000, Deduct	-0.09	
For >4,000 To 5,000, Deduct	-0.15	
For >5,000, Deduct	-0.25	
For Individual Room Quantities <495, Add	0.70	
Note: For use with projects >500 SF		
For Ceilings >10' High, Add	0.12	
09 51 13 00-0030 SF 2' x 2' x 5/8" Wood Fiber Acoustical Ceiling Panels.....	5.08	0.77
For Up To 50, Add	1.45	
For >50 To 200, Add	0.85	
For >200 To 500, Add	0.34	
For >2,500 To 4,000, Deduct	-0.11	
For >4,000 To 5,000, Deduct	-0.19	
For >5,000, Deduct	-0.31	
For Individual Room Quantities <495, Add	0.85	
Note: For use with projects >500 SF		
For Ceilings >10' High, Add	0.13	
09 51 13 00-0031 SF 2' x 4' x 5/8" Wood Fiber Acoustical Ceiling Panels.....	4.91	0.67
For Up To 50, Add	1.36	
For >50 To 200, Add	0.80	
For >200 To 500, Add	0.32	
For >2,500 To 4,000, Deduct	-0.11	
For >4,000 To 5,000, Deduct	-0.18	
For >5,000, Deduct	-0.29	
For Individual Room Quantities <495, Add	0.80	
Note: For use with projects >500 SF		
For Ceilings >10' High, Add	0.12	
09 51 13 00-0032 SF 2' x 2' x 3/4" Wood Fiber Acoustical Ceiling Panels.....	6.08	0.77
For Up To 50, Add	1.60	
For >50 To 200, Add	0.95	
For >200 To 500, Add	0.39	
For >2,500 To 4,000, Deduct	-0.13	
For >4,000 To 5,000, Deduct	-0.22	
For >5,000, Deduct	-0.35	
For Individual Room Quantities <495, Add	0.95	
Note: For use with projects >500 SF		
For Ceilings >10' High, Add	0.13	
09 51 13 00-0033 SF 2' x 4' x 3/4" Wood Fiber Acoustical Ceiling Panels.....	5.91	0.67
For Up To 50, Add	1.51	
For >50 To 200, Add	0.90	
For >200 To 500, Add	0.37	
For >2,500 To 4,000, Deduct	-0.13	
For >4,000 To 5,000, Deduct	-0.21	
For >5,000, Deduct	-0.33	
For Individual Room Quantities <495, Add	0.90	
Note: For use with projects >500 SF		
For Ceilings >10' High, Add	0.12	
09 51 13 00-0034 SF 2' x 2' x 1" Wood Fiber Acoustical Ceiling Panels.....	4.65	0.77
For Up To 50, Add	1.39	
For >50 To 200, Add	0.81	
For >200 To 500, Add	0.32	
For >2,500 To 4,000, Deduct	-0.10	
For >4,000 To 5,000, Deduct	-0.17	
For >5,000, Deduct	-0.29	
For Individual Room Quantities <495, Add	0.81	
Note: For use with projects >500 SF		
For Ceilings >10' High, Add	0.13	
09 51 13 00-0035 SF 2' x 4' x 1" Wood Fiber Acoustical Ceiling Panels.....	4.48	0.67
For Up To 50, Add	1.29	
For >50 To 200, Add	0.76	
For >200 To 500, Add	0.30	
For >2,500 To 4,000, Deduct	-0.10	
For >4,000 To 5,000, Deduct	-0.17	
For >5,000, Deduct	-0.27	
For Individual Room Quantities <495, Add	0.76	
Note: For use with projects >500 SF		
For Ceilings >10' High, Add	0.12	
09 51 13 00-0036 Removal And Reinstallation Of Acoustical Ceiling Panels (09 51 13)		
Note: 2'x2' Or 2'x4'. Includes storage and cleaning.		
09 51 13 00-0037 SF Removal And Reinstallation Of Acoustical Ceiling Tile And Grid, 2' x 2' Or 2' x 4'.....	1.42	
For Ceilings >10' High, Add	0.11	

09 Finishes**09 50 Ceilings****09 51 Acoustical Ceilings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0038	SF		Removal And Reinstallation Of Acoustical Panels Only..... <i>For Ceilings >10' High, Add</i>	0.92 0.07	
09 51 13 00-0039	SF		Removal And Reinstallation Of Grid System Only..... <i>For Ceilings >10' High, Add</i>	0.86 0.06	
09 51 23			Acoustical Tile Ceilings (09 51) Note: Includes fastening with staples and/or adhesive.		
09 51 23 00-0001			Mineral Fiber Acoustical Tile Ceilings (09 51 23)		
09 51 23 00-0002	SF		12" x 12" x 1/2" Tongue And Groove Mineral Fiber Acoustical Ceiling Tile..... <i>For Furring 1 x 3 Strips 12" On Center, Add</i> <i>For Up To 50, Add</i> <i>For >50 To 200, Add</i> <i>For >200 To 500, Add</i> <i>For >2,500, Deduct</i> <i>For Ceilings >10' High, Add</i>	4.19 0.50 1.59 0.90 0.33 -0.21 0.18	1.07
09 51 23 00-0003	SF		12" x 12" x 5/8" Spline Mineral Fiber Acoustical Ceiling Tile..... <i>For Furring 1 x 3 Strips 12" On Center, Add</i> <i>For Up To 50, Add</i> <i>For >50 To 200, Add</i> <i>For >200 To 500, Add</i> <i>For >2,500, Deduct</i> <i>For Placing Tiles In Suspended Ceiling System, Deduct</i> <i>For Ceilings >10' High, Add</i>	4.85 0.50 1.69 0.97 0.36 -0.24 -0.27 0.18	1.07
09 51 23 00-0004	SF		12" x 12" x 3/4" Spline Mineral Fiber Acoustical Ceiling Tile..... <i>For Furring 1 x 3 Strips 12" On Center, Add</i> <i>For Up To 50, Add</i> <i>For >50 To 200, Add</i> <i>For >200 To 500, Add</i> <i>For >2,500, Deduct</i> <i>For Placing Tiles In Suspended Ceiling System, Deduct</i> <i>For Ceilings >10' High, Add</i>	5.38 0.50 1.77 1.02 0.39 -0.27 -0.27 0.18	1.07
09 51 23 00-0005			Wood Fiber Acoustical Tile Ceilings (09 51 23)		
09 51 23 00-0006	SF		12" x 12" x 1/2" Staple Flange Wood Fiber Acoustical Ceiling Tile..... <i>For Furring 1 x 3 Strips 12" On Center, Add</i> <i>For Up To 50, Add</i> <i>For >50 To 200, Add</i> <i>For >200 To 500, Add</i> <i>For >2,500, Deduct</i> <i>For Ceilings >10' High, Add</i>	3.91 0.50 1.55 0.87 0.32 -0.20 0.18	1.07
09 51 33			Acoustical Metal Pan Ceilings (09 51)		
09 51 33 13			Acoustical Snap-in Metal Pan Ceilings (09 51 33)		
09 51 33 13-0001			Galvanized Steel, Acoustical Snap-In Metal Ceiling Panels (09 51 33 13)		
09 51 33 13-0002	SF		24" x 24", Unperforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™).....	13.37	0.84
09 51 33 13-0003	SF		24" x 24", Perforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™).....	14.28	0.84
09 51 33 13-0004			Aluminum, Acoustical Snap-In Metal Ceiling Panels (09 51 33 13)		
09 51 33 13-0005	SF		24" x 24", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	10.15	0.96
09 51 33 13-0006	SF		24" x 24", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	16.86	0.96
09 51 33 13-0007	SF		24" x 24", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	32.51	0.96
09 51 33 13-0008	SF		24" x 24", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	15.00	0.96
09 51 33 13-0009	SF		24" x 24", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	10.69	0.96
09 51 33 13-0010	SF		24" x 24", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	16.44	0.96
09 51 33 13-0011	SF		24" x 24", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	32.27	0.96
09 51 33 13-0012	SF		24" x 24", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	14.88	0.96
09 51 33 13-0013	SF		30" x 30", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	13.62	0.96
09 51 33 13-0014	SF		30" x 30", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	17.76	0.96
09 51 33 13-0015	SF		30" x 30", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	35.81	0.96
09 51 33 13-0016	SF		30" x 30", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	17.58	0.96
09 51 33 13-0017	SF		30" x 30", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	14.40	0.96
09 51 33 13-0018	SF		30" x 30", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	18.18	0.96



		Finishes	09
		Ceilings	09 50
		Acoustical Ceilings	09 51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 13-0019	SF		30" x 30", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	37.01	0.96
09 51 33 13-0020	SF		30" x 30", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	18.00	0.96
09 51 33 13-0021	SF		12" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	12.36	0.96
09 51 33 13-0022	SF		12" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	19.92	0.96
09 51 33 13-0023	SF		12" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	35.03	0.96
09 51 33 13-0024	SF		12" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	17.16	0.96
09 51 33 13-0025	SF		12" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	13.26	0.96
09 51 33 13-0026	SF		12" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	20.16	0.96
09 51 33 13-0027	SF		12" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	36.29	0.96
09 51 33 13-0028	SF		12" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	17.70	0.96
09 51 33 13-0029	SF		24" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	9.89	0.96
09 51 33 13-0030	SF		24" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	14.93	0.96
09 51 33 13-0031	SF		24" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	30.52	0.96
09 51 33 13-0032	SF		24" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	14.21	0.96
09 51 33 13-0033	SF		24" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	10.49	0.96
09 51 33 13-0034	SF		24" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	14.81	0.96
09 51 33 13-0035	SF		24" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	30.58	0.96
09 51 33 13-0036	SF		24" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	14.21	0.96

09 51 33 23 Acoustical Lay-in Metal Pan Ceilings (09 51 33)

09 51 33 23-0001 Acoustical Lay-In Metal Pan Ceilings (09 51 33 23)

09 51 33 23-0002 Aluminum, Acoustical Lay-In Metal Ceiling Panels (09 51 33 23-0001)

09 51 33 23-0003	SF		24" x 24", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	10.44	0.72
09 51 33 23-0004	SF		24" x 24", Unperforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	11.79	0.72
09 51 33 23-0005	SF		24" x 24", Unperforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	17.19	0.72
09 51 33 23-0006	SF		24" x 24", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	14.64	0.72
09 51 33 23-0007	SF		24" x 24", Perforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	15.69	0.72
09 51 33 23-0008	SF		24" x 24", Perforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	24.54	0.72
09 51 33 23-0009	SF		30" x 30", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	15.46	0.72
09 51 33 23-0010	SF		30" x 30", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	19.10	0.72
09 51 33 23-0011	SF		48" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	15.54	0.72
09 51 33 23-0012	SF		48" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	19.21	0.72
09 51 33 23-0013	SF		12" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	15.62	0.72
09 51 33 23-0014	SF		12" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	19.14	0.72
09 51 33 23-0015	SF		24" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	15.62	0.72
09 51 33 23-0016	SF		24" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	19.29	0.72

09 51 33 23-0017 Steel, Acoustical Lay-In Metal Ceiling Panels (09 51 33 23-0001)

09 51 33 23-0018	SF		24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	13.40	0.72
09 51 33 23-0019	SF		24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	15.91	0.72
09 51 33 23-0020	SF		24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	17.05	0.72
09 51 33 23-0021	SF		24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	16.03	0.72
09 51 33 23-0022	SF		24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	16.45	0.72
09 51 33 23-0023	SF		24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	17.41	0.72

09 51 33 33 Acoustical Tegular Lay-in Metal Pan Ceilings (09 51 33)

09 51 33 33-0001 Acoustical Tegular Lay-In Metal Pan Ceilings (09 51 33 33)

09 51 33 33-0002 Steel, Acoustical Tegular Lay-In Metal Pan Ceilings (09 51 33 33-0001)

09 51 33 33-0003	SF		24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	9.86	0.72
09 51 33 33-0004	SF		24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	11.06	0.72

09 Finishes**09 50 Ceilings****09 51 Acoustical Ceilings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 33-0005	SF		24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	15.49	0.72
09 51 33 33-0006	SF		24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	11.18	0.72
09 51 33 33-0007	SF		24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	12.62	0.72
09 51 33 33-0008	SF		24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	16.87	0.72

09 53 Acoustical Ceiling Suspension Assemblies (09 50)**09 53 23 Metal Acoustical Ceiling Suspension Assemblies** (09 53)**09 53 23 00-0001 Ceiling Suspension Systems** (09 53 23)

Note: Hot-dipped galvanized steel. Includes single 8 gauge wire hangers (between 3' to 4') attached from wood deck or wood members above to main members 4' on center. Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape (where required). All above shall be mechanically installed by minimum 2-1/4" x 3/8" wedge anchors. Excludes chain supports for lights.

09 53 23 00-0002	SF		12" x 12" Ceiling Tile Size, Concealed 15/16" T Bar Ceiling Suspension System	3.74	0.48
			Note: Excludes ceiling tile.		
			For Fastening To Concrete, Add	1.17	
			For Fastening To Steel, Add	1.28	
			For Vertical Application, Add	2.04	
			For Individual Room Quantities <495, Add	0.42	
			Note: For use with projects >500 SF		
			For Compression Posts, Telescopic, With Splay Wires, Attached To Structure, Add	40.19	
			For Up To 50, Add	1.49	
			For >50 To 200, Add	0.84	
			For >200 To 500, Add	0.30	
			For >2,500 To 4,000, Deduct	-0.09	
			For >4,000 To 5,000, Deduct	-0.16	
			For >5,000, Deduct	-0.23	
			For Ceilings >10' High, Add	0.17	
09 53 23 00-0003	SF		1' x 2' Grid, 15/16" T Bar Ceiling Suspension System	3.10	0.48
			For UL Listed (Fire Guard), Add	0.18	
			For 1-1/2" Wide Faced Grid, Add	0.33	
			For Fastening To Concrete, Add	1.13	
			For Fastening To Steel, Add	1.24	
			For Vertical Application, Add	1.69	
			For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
			For 9/16" Narrow Faced Grid, Add	0.29	
			For Individual Room Quantities <495, Add	0.35	
			Note: For use with projects >500 SF		
			For Aluminum T-Bar System, Add	0.53	
			For Compression Posts, Telescopic, With Splay Wires, Attached To Structure, Add	40.15	
			For Up To 50, Add	1.24	
			For >50 To 200, Add	0.70	
			For >200 To 500, Add	0.25	
			For >2,500 To 4,000, Deduct	-0.07	
			For >4,000 To 5,000, Deduct	-0.13	
			For >5,000, Deduct	-0.19	
			For Ceilings >10' High, Add	0.14	
09 53 23 00-0004	SF		2' x 2' Grid, 15/16" T Bar Ceiling Suspension System	2.42	0.48
			For UL Listed (Fire Guard), Add	0.12	
			For 1-1/2" Wide Faced Grid, Add	0.23	
			For Fastening To Concrete, Add	1.10	
			For Fastening To Steel, Add	1.21	
			For Vertical Application, Add	1.41	
			For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
			For 9/16" Narrow Faced Grid, Add	0.20	
			For Individual Room Quantities <495, Add	0.28	
			Note: For use with projects >500 SF		
			For Aluminum T-Bar System, Add	0.36	
			For Compression Posts, Telescopic, With Splay Wires, Attached To Structure, Add	40.12	
			For Up To 50, Add	1.01	
			For >50 To 200, Add	0.56	
			For >200 To 500, Add	0.20	
			For >2,500 To 4,000, Deduct	-0.06	
			For >4,000 To 5,000, Deduct	-0.10	
			For >5,000, Deduct	-0.15	
			For Black Grid, Add	0.10	
			For Ceilings >10' High, Add	0.12	
			For Concealed Spline Grid, Add	0.36	



Finishes	09	09
Ceilings	09 50	
Acoustical Ceiling Suspension Assemblies	09 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0005 SF 2' x 4' Grid, 15/16" T Bar Ceiling Suspension System	1.98	0.48
For UL Listed (Fire Guard), Add	0.09	
For 1-1/2" Wide Faced Grid, Add	0.18	
For Fastening To Concrete, Add	1.08	
For Fastening To Steel, Add	1.19	
For Vertical Application, Add	1.35	
For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
For 9/16" Narrow Faced Grid, Add	0.16	
For Individual Room Quantities <495, Add	0.23	
Note: For use with projects >500 SF		
For Aluminum T-Bar System, Add	0.28	
For Compression Posts, Telescopic, With Splay Wires, Attached To Structure, Add	40.10	
For Up To 50, Add	0.84	
For >50 To 200, Add	0.47	
For >200 To 500, Add	0.17	
For >2,500 To 4,000, Deduct	-0.05	
For >4,000 To 5,000, Deduct	-0.09	
For >5,000, Deduct	-0.13	
For Black Grid, Add	0.08	
For Ceilings >10' High, Add	0.10	
For Concealed Spline Grid, Add	0.29	
09 53 23 00-0006 SF 2' x 5' Grid, 15/16" T Bar Ceiling Suspension System	1.82	0.48
For UL Listed (Fire Guard), Add	0.10	
For 1-1/2" Wide Faced Grid, Add	0.18	
For Fastening To Concrete, Add	1.06	
For Fastening To Steel, Add	1.17	
For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
For 9/16" Narrow Faced Grid, Add	0.17	
For Individual Room Quantities <495, Add	0.21	
Note: For use with projects >500 SF		
For Aluminum T-Bar System, Add	0.30	
For Compression Posts, Telescopic, With Splay Wires, Attached To Structure, Add	40.08	
For Up To 50, Add	0.74	
For >50 To 200, Add	0.41	
For >200 To 500, Add	0.15	
For >2,500 To 4,000, Deduct	-0.04	
For >4,000 To 5,000, Deduct	-0.08	
For >5,000, Deduct	-0.11	
For Ceilings >10' High, Add	0.09	
09 53 23 00-0007 SF 2', 15/16" Suspended Ceiling Cross Tee	0.74	0.28
Note: Can be used to convert an existing 2' x 4' suspension system to a 2' x 2' system or to replace an individual component.		
For 1-1/2" Wide Faced Grid, Add	0.05	
For Vertical Application, Add	0.56	
For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
For 9/16" Narrow Faced Grid, Add	0.05	
For Individual Room Quantities <495, Add	0.09	
Note: For use with projects >500 SF		
For Aluminum T-Bar System, Add	0.08	
For Up To 50, Add	0.34	
For >50 To 200, Add	0.19	
For >200 To 500, Add	0.07	
For >2,500 To 4,000, Deduct	-0.02	
For >4,000 To 5,000, Deduct	-0.03	
For >5,000, Deduct	-0.05	
For Ceilings >10' High, Add	0.04	
09 53 23 00-0008 Ceiling Suspension System Accessories (09 53 23)		
09 53 23 00-0009 LF Pencil Rod Support For Suspended Ceiling with Accessories	1.03	
09 53 23 00-0010 LF 1" x 1/8" Flat Bar Bracing For Suspended Ceiling	2.61	1.35
For 304 Stainless Steel, Add	1.65	
For 316 Stainless Steel, Add	1.86	
For Aluminum, Add	0.10	
For Galvanized Steel, Add	0.36	
09 53 23 00-0011 LF 1" x 3/16" Flat Bar Bracing For Suspended Ceiling	3.69	1.45
For 304 Stainless Steel, Add	2.51	
For 316 Stainless Steel, Add	2.82	
For Aluminum, Add	0.16	
For Galvanized Steel, Add	0.55	
09 53 23 00-0012 LF 1-1/2" x 1/4" Flat Bar Bracing For Suspended Ceiling	4.95	1.55
For 304 Stainless Steel, Add	5.02	
For 316 Stainless Steel, Add	5.63	
For Aluminum, Add	0.32	
For Galvanized Steel, Add	1.09	

09 54 Specialty Ceilings (09 50)

09 54 23 Linear Metal Ceilings (09 54)

09 54 23 00-0001 Linear Ceiling Systems (09 54 23)

09 54 23 00-0002 0.032" Aluminum, Linear Ceiling Systems (09 54 23 00-0001)

Note: For flat ceilings. Includes round or box style panels with KYNAR 500® or HYLAR 5000® PVDF finish. Includes ceiling suspension system and flush or recessed filler strips.

09 Finishes**09 50 Ceilings****09 54 Specialty Ceilings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 54 23 00-0003	SF		4" Panel Width, 0.032" Aluminum, Linear Ceiling System	14.05	1.98
			For Up To 50, Add	4.01	
			For >50 To 200, Add	2.36	
			For >200 To 500, Add	0.94	
			For >2,500, Deduct	-0.70	
			For Ceilings >10' High, Add	0.36	
			For Linear Ceiling Systems Without Filler Strips, Deduct	-2.31	
			For Curved Ceilings, Add	1.17	
09 54 23 00-0004	SF		8" Panel Width, 0.032" Aluminum, Linear Ceiling System	11.58	1.98
			For Up To 50, Add	3.60	
			For >50 To 200, Add	2.09	
			For >200 To 500, Add	0.81	
			For >2,500, Deduct	-0.58	
			For Ceilings >10' High, Add	0.35	
			For Linear Ceiling Systems Without Filler Strips, Deduct	-1.14	
			For Curved Ceilings, Add	1.16	
09 54 23 00-0005	SF		12" Panel Width, 0.032" Aluminum, Linear Ceiling System.....	10.60	1.98
			For Up To 50, Add	3.41	
			For >50 To 200, Add	1.97	
			For >200 To 500, Add	0.76	
			For >2,500, Deduct	-0.53	
			For Ceilings >10' High, Add	0.34	
			For Linear Ceiling Systems Without Filler Strips, Deduct	-0.77	
			For Curved Ceilings, Add	1.14	
09 54 23 00-0006			Tin Ceilings <small>(09 54 23)</small>		
09 54 23 00-0007	SF		2' x 2' Tin Ceiling Embossed Panels.....	13.68	3.07
			For Up To 50, Add	3.53	
			For >50 To 200, Add	2.11	
			For >200 To 500, Add	0.87	
			For >2,500, Deduct	-0.68	
			For Ceilings >10' High, Add	0.28	
09 54 23 00-0008	SF		12" x 12" Tin Ceiling Embossed Plates.....	19.82	1.98
			For Up To 50, Add	4.53	
			For >50 To 200, Add	2.76	
			For >200 To 500, Add	1.19	
			For >2,500, Deduct	-0.99	
			For Ceilings >10' High, Add	0.29	
09 54 23 00-0009	SF		12" x 24" Tin Ceiling Embossed Plates.....	14.75	1.98
			For Up To 50, Add	3.77	
			For >50 To 200, Add	2.26	
			For >200 To 500, Add	0.93	
			For >2,500, Deduct	-0.74	
			For Ceilings >10' High, Add	0.29	
09 54 23 00-0010	SF		24" x 24" Tin Ceiling Embossed Plates.....	13.55	1.98
			For Up To 50, Add	3.47	
			For >50 To 200, Add	2.08	
			For >200 To 500, Add	0.86	
			For >2,500, Deduct	-0.68	
			For Ceilings >10' High, Add	0.27	
09 54 23 00-0011	SF		24" x 48" Tin Ceiling Embossed Plates.....	11.83	1.49
			For Up To 50, Add	3.03	
			For >50 To 200, Add	1.81	
			For >200 To 500, Add	0.75	
			For >2,500, Deduct	-0.59	
			For Ceilings >10' High, Add	0.24	
09 54 23 00-0012	LF		3" Or 4" Wide Embossed Molding.....	10.19	2.97
			For Ceilings >10' High, Add	0.43	
09 54 23 00-0013	LF		6" Wide Embossed Molding.....	12.52	3.47
			For Ceilings >10' High, Add	0.48	
09 54 23 00-0014	LF		12" Wide Embossed Molding.....	16.66	4.06
			For Ceilings >10' High, Add	0.61	
09 54 23 00-0015	EA		3", 4" Or 6" Wide Embossed Cross, Tee Or Ell.....	29.95	9.41
			For Ceilings >10' High, Add	1.38	
09 54 23 00-0016	EA		12" Wide Embossed Cross, Tee Or Ell.....	40.58	11.00
			For Ceilings >10' High, Add	1.65	
09 57			Special Function Ceilings <small>(09 50)</small>		
09 57 63			High Impact Ceilings <small>(09 57)</small>		
09 57 63 00-0001			High Impact Ceilings <small>(09 57 63)</small>		
09 57 63 00-0002	SF		Polyvinyl Chloride Face High Impact Ceiling Panels.....	6.43	0.96
			For Ceilings >10' High, Add	0.12	
09 57 63 00-0003	SF		High Impact Clips.....	2.48	0.77
			For Ceilings >10' High, Add	0.09	

09 60 Flooring (09)

Note: Perform moisture testing as recommended by manufacturer.

09 61 Flooring Treatment (09 60)



Finishes			09
Flooring			09 60
Flooring Treatment			09 61

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 61 13 Slip-Resistant Flooring Treatment (09 61)

09 61 13 00-0001			Anti-Slip Tape (09 61 13)		
Note: Grit sandpaper surface with adhesive back.					
09 61 13 00-0002	LF		1" Anti-Slip Tape.....	2.36	1.93
09 61 13 00-0003	LF		2" Anti-Slip Tape.....	2.87	2.12
09 61 13 00-0004	LF		3" Anti-Slip Tape.....	3.39	2.33
09 61 13 00-0005	LF		4" Anti-Slip Tape.....	3.90	2.56
09 61 13 00-0006	LF		6" Anti-Slip Tape.....	4.83	2.82
09 61 13 00-0007	LF		12" Anti-Slip Tape.....	8.24	4.23
09 61 13 00-0008	LF		24" Anti-Slip Tape.....	11.77	6.35

09 63 Masonry Flooring (09 60)

09 63 13 Brick Flooring (09 63)

09 63 13 00-0001			Clay Bricks (09 63 13)		
09 63 13 00-0002	SF		2-1/4" Thick Clay Brick Floor	27.97	8.26
For Basket Weave Pattern, Add				1.77	
For Herringbone Pattern, Add				2.35	
For Epoxy Joints, Add				4.66	
09 63 13 00-0003	SF		3" Thick Clay Brick Floor.....	32.00	8.26
For Basket Weave Pattern, Add				1.77	
For Herringbone Pattern, Add				2.35	
For Epoxy Joints, Add				4.66	
09 63 13 00-0004	SF		1/2" Thick Unglazed Clay Brick Floor.....	16.65	8.26
For Basket Weave Pattern, Add				1.77	
For Herringbone Pattern, Add				2.35	
For Epoxy Joints, Add				4.66	
09 63 13 00-0005	SF		1/2" Thick Glazed Clay Brick Floor	20.29	8.26
For Basket Weave Pattern, Add				1.77	
For Herringbone Pattern, Add				2.35	
For Epoxy Joints, Add				4.66	
09 63 13 00-0006	SF		3/4" Thick Unglazed Clay Brick Floor.....	18.28	8.26
For Basket Weave Pattern, Add				1.77	
For Herringbone Pattern, Add				2.35	
For Epoxy Joints, Add				4.66	
09 63 13 00-0007	SF		3/4" Thick Glazed Clay Brick Floor	23.13	8.26
For Basket Weave Pattern, Add				1.77	
For Herringbone Pattern, Add				2.35	
For Epoxy Joints, Add				4.66	
09 63 13 00-0008	SF		15/16" Thick Unglazed Clay Brick Floor.....	19.85	8.26
For Basket Weave Pattern, Add				1.77	
For Herringbone Pattern, Add				2.35	
For Epoxy Joints, Add				4.66	
09 63 13 00-0009	SF		15/16" Thick Glazed Clay Brick Floor	25.99	8.26
For Basket Weave Pattern, Add				1.77	
For Herringbone Pattern, Add				2.35	
For Epoxy Joints, Add				4.66	

09 63 43 Composition Stone Flooring (09 63)

09 63 43 00-0001			Cupric Oxychloride Cement, Seamless Flooring System (09 63 43)		
Note: Chemical and slip resistant. OSHA and USDA approved.					
09 63 43 00-0002	SF		3/8" Thick, Cupric Oxychloride Cement, Seamless Flooring System, Trowel Applied	13.03	4.87

09 64 Wood Flooring (09 60)

09 64 13 Wood Flooring Underlayment (09 64)

09 64 13 00-0001			Wood Flooring Underlayment (09 64 13)		
09 64 13 00-0002	SF		Regular Weight Red Rosin Paper, Wood Flooring Underlayment	0.43	
09 64 13 00-0003	SF		Heavy Weight Red Rosin Paper, Wood Flooring Underlayment.....	0.43	
09 64 13 00-0004	SF		30 LB, Waxed Paper, Wood Flooring Underlayment	0.45	
09 64 13 00-0005	SF		15 LB, Asphalt Saturated Organic Felt, Wood Flooring Underlayment.....	0.46	
09 64 13 00-0006	SF		6 Mil Thick, Polyethylene Film, Wood Flooring Underlayment	0.45	
09 64 13 00-0007	SF		8 Mil Thick, Polyethylene Film, Wood Flooring Underlayment	0.48	
09 64 13 00-0008	SF		1/8" Thick, Natural Cork, Wood Flooring Underlayment	1.55	
09 64 13 00-0009	SF		1/4" Thick, Natural Cork, Wood Flooring Underlayment	1.61	
09 64 13 00-0010	SF		3/32" Thick, Polyethylene Foam, Wood Flooring Underlayment (Roberts® Unison™ 70-025-15)	0.64	
09 64 13 00-0011	SF		2.0mm Thick, Progressive Foam Technology, Wood Flooring Underlayment (Roberts® Quiet Cushion 70-180)	0.76	
09 64 13 00-0012	SF		4.0mm Thick, Compressed Fiber, Wood Flooring Underlayment (Roberts® Super Felt 70-193)	0.81	
09 64 13 00-0013	SF		2.5mm Thick, Closed Cell Foam, Wood Flooring Underlayment (Roberts® Black Jack™ 70-026)	0.95	
09 64 13 00-0014	SF		1/8" Thick, Moisture Barrier, Sound Reduction And Cushioning, Wood Flooring Underlayment (Roberts® AirGuard™ 70-105)	0.96	

09 64 23 Wood Parquet Flooring (09 64)

Note: All wood parquet flooring is prefinished at factory.

09 64 23 00-0001			Hardwood Parquet Flooring (09 64 23)		
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09	09 Finishes
	09 60 Flooring
	09 64 Wood Flooring



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 23 00-0002 SF Oak Parquet Flooring 5/16" Thick.....	8.46	0.96
For Up To 20, Add	3.98	
For >20 To 50, Add	2.05	
For >50 To 100, Add	1.03	
For >100 To 300, Add	0.51	
09 64 29 Wood Strip And Plank Flooring (09 64)		
Note: All wood strip flooring is unfinished, tongue and groove.		
09 64 29 00-0001 Unfinished Fir, Wood Strip Flooring (09 64 29)		
09 64 29 00-0002 SF 3-1/8" Plank Width, 3/4" Thick, Plain Sawn, Clear Vertical Grain (C Or Better) Unfinished Fir, Wood Strip Flooring.....	11.76	0.96
For Factory Finish, Add	0.74	
For Random Width Floor, Add	2.72	
For Up To 20, Add	3.72	
For >20 To 50, Add	2.04	
For >50 To 100, Add	1.02	
For >100 To 300, Add	0.51	
09 64 29 00-0003 Unfinished Oak, Wood Strip Flooring (09 64 29)		
09 64 29 00-0004 Unfinished White Oak, Wood Strip Flooring (09 64 29 00-0003)		
09 64 29 00-0005 SF 2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring	9.55	0.96
For Factory Finish, Add	0.39	
For Random Width Floor, Add	2.10	
For Up To 20, Add	3.99	
For >20 To 50, Add	2.09	
For >50 To 100, Add	1.05	
For >100 To 300, Add	0.52	
09 64 29 00-0006 SF 2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring.....	10.06	0.96
For Factory Finish, Add	0.44	
For Random Width Floor, Add	2.23	
For Up To 20, Add	4.07	
For >20 To 50, Add	2.14	
For >50 To 100, Add	1.07	
For >100 To 300, Add	0.54	
09 64 29 00-0007 SF 3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring.....	10.81	0.96
For Factory Finish, Add	0.51	
For Random Width Floor, Add	2.42	
For Up To 20, Add	4.18	
For >20 To 50, Add	2.22	
For >50 To 100, Add	1.11	
For >100 To 300, Add	0.55	
09 64 29 00-0008 SF 3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring	8.38	0.96
For Factory Finish, Add	0.40	
For Random Width Floor, Add	1.88	
For Up To 20, Add	3.21	
For >20 To 50, Add	1.71	
For >50 To 100, Add	0.85	
For >100 To 300, Add	0.43	
09 64 29 00-0009 SF 3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring.....	8.78	0.96
For Factory Finish, Add	0.44	
For Random Width Floor, Add	1.98	
For Up To 20, Add	3.27	
For >20 To 50, Add	1.75	
For >50 To 100, Add	0.87	
For >100 To 300, Add	0.44	
09 64 29 00-0010 SF 3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring.....	9.56	0.96
For Factory Finish, Add	0.52	
For Random Width Floor, Add	2.17	
For Up To 20, Add	3.39	
For >20 To 50, Add	1.82	
For >50 To 100, Add	0.91	
For >100 To 300, Add	0.46	
09 64 29 00-0011 Unfinished Red Oak, Wood Strip Flooring (09 64 29 00-0003)		
09 64 29 00-0012 SF 2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring.....	9.64	0.96
For Factory Finish, Add	0.40	
For Random Width Floor, Add	2.13	
For Up To 20, Add	4.00	
For >20 To 50, Add	2.10	
For >50 To 100, Add	1.05	
For >100 To 300, Add	0.53	
09 64 29 00-0013 SF 2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring.....	10.14	0.96
For Factory Finish, Add	0.45	
For Random Width Floor, Add	2.25	
For Up To 20, Add	4.08	
For >20 To 50, Add	2.15	
For >50 To 100, Add	1.08	
For >100 To 300, Add	0.54	



Finishes	09	09
Flooring	09 60	
Wood Flooring	09 64	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0014	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring	10.90	0.96
			<i>For Factory Finish, Add</i>	0.52	
			<i>For Random Width Floor, Add</i>	2.44	
			<i>For Up To 20, Add</i>	4.19	
			<i>For >20 To 50, Add</i>	2.23	
			<i>For >50 To 100, Add</i>	1.11	
			<i>For >100 To 300, Add</i>	0.56	
09 64 29 00-0015	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring.....	8.46	0.96
			<i>For Factory Finish, Add</i>	0.41	
			<i>For Random Width Floor, Add</i>	1.90	
			<i>For Up To 20, Add</i>	3.22	
			<i>For >20 To 50, Add</i>	1.71	
			<i>For >50 To 100, Add</i>	0.86	
			<i>For >100 To 300, Add</i>	0.43	
09 64 29 00-0016	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring.....	8.97	0.96
			<i>For Factory Finish, Add</i>	0.46	
			<i>For Random Width Floor, Add</i>	2.03	
			<i>For Up To 20, Add</i>	3.30	
			<i>For >20 To 50, Add</i>	1.77	
			<i>For >50 To 100, Add</i>	0.88	
			<i>For >100 To 300, Add</i>	0.44	
09 64 29 00-0017	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring	9.64	0.96
			<i>For Factory Finish, Add</i>	0.53	
			<i>For Random Width Floor, Add</i>	2.19	
			<i>For Up To 20, Add</i>	3.40	
			<i>For >20 To 50, Add</i>	1.83	
			<i>For >50 To 100, Add</i>	0.92	
			<i>For >100 To 300, Add</i>	0.46	
09 64 29 00-0018			Unfinished Maple, Wood Strip Flooring (09 64 29)		
09 64 29 00-0019			25/32" Thick, Unfinished Maple, Wood Strip Flooring (09 64 29 00-0018)		
09 64 29 00-0020	SF		2-1/4" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	11.49	0.96
			<i>For Factory Finish, Add</i>	0.58	
			<i>For Random Width Floor, Add</i>	2.59	
			<i>For Up To 20, Add</i>	4.28	
			<i>For >20 To 50, Add</i>	2.29	
			<i>For >50 To 100, Add</i>	1.14	
			<i>For >100 To 300, Add</i>	0.57	
09 64 29 00-0021	SF		2-1/4" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	10.65	0.96
			<i>For Factory Finish, Add</i>	0.50	
			<i>For Random Width Floor, Add</i>	2.38	
			<i>For Up To 20, Add</i>	4.15	
			<i>For >20 To 50, Add</i>	2.20	
			<i>For >50 To 100, Add</i>	1.10	
			<i>For >100 To 300, Add</i>	0.55	
09 64 29 00-0022	SF		3" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring.....	10.48	0.96
			<i>For Factory Finish, Add</i>	0.61	
			<i>For Random Width Floor, Add</i>	2.40	
			<i>For Up To 20, Add</i>	3.53	
			<i>For >20 To 50, Add</i>	1.92	
			<i>For >50 To 100, Add</i>	0.96	
			<i>For >100 To 300, Add</i>	0.48	
09 64 29 00-0023	SF		3" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring.....	9.64	0.96
			<i>For Factory Finish, Add</i>	0.53	
			<i>For Random Width Floor, Add</i>	2.19	
			<i>For Up To 20, Add</i>	3.40	
			<i>For >20 To 50, Add</i>	1.83	
			<i>For >50 To 100, Add</i>	0.92	
			<i>For >100 To 300, Add</i>	0.46	
09 64 29 00-0024			33/32" Thick, Unfinished Maple, Wood Strip Flooring (09 64 29 00-0018)		
09 64 29 00-0025	SF		2-1/4" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	13.30	0.96
			<i>For Factory Finish, Add</i>	0.76	
			<i>For Random Width Floor, Add</i>	3.04	
			<i>For Up To 20, Add</i>	4.55	
			<i>For >20 To 50, Add</i>	2.47	
			<i>For >50 To 100, Add</i>	1.23	
			<i>For >100 To 300, Add</i>	0.62	
09 64 29 00-0026	SF		2-1/4" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	12.18	0.96
			<i>For Factory Finish, Add</i>	0.65	
			<i>For Random Width Floor, Add</i>	2.76	
			<i>For Up To 20, Add</i>	4.38	
			<i>For >20 To 50, Add</i>	2.35	
			<i>For >50 To 100, Add</i>	1.18	
			<i>For >100 To 300, Add</i>	0.59	

09	09 Finishes
	09 60 Flooring
	09 64 Wood Flooring



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0027 SF 3" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring.....	12.42	0.96
For Factory Finish, Add	0.81	
For Random Width Floor, Add	2.89	
For Up To 20, Add	3.82	
For >20 To 50, Add	2.11	
For >50 To 100, Add	1.06	
For >100 To 300, Add	0.53	
09 64 29 00-0028 SF 3" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring.....	11.29	0.96
For Factory Finish, Add	0.70	
For Random Width Floor, Add	2.61	
For Up To 20, Add	3.65	
For >20 To 50, Add	2.00	
For >50 To 100, Add	1.00	
For >100 To 300, Add	0.50	
09 64 29 00-0029 Prefinished Engineered Wood Flooring (09 64 29)		
Note: Glued or nailed. Excludes underlayment. See CSI section 09 64 13 00-0001 for wood flooring underlayment.		
09 64 29 00-0030 SF 1/2" Thick, Red Oak, Prefinished Engineered Wood Flooring.....	10.77	0.96
For Up To 20, Add	3.32	
For >20 To 50, Add	1.83	
For >50 To 100, Add	0.92	
For >100 To 300, Add	0.46	
09 64 29 00-0031 SF 1/2" Thick, White Oak, Prefinished Engineered Wood Flooring.....	10.77	0.96
For Up To 20, Add	3.32	
For >20 To 50, Add	1.83	
For >50 To 100, Add	0.92	
For >100 To 300, Add	0.46	
09 64 29 00-0032 SF 1/2" Thick, Select Maple, Prefinished Engineered Wood Flooring.....	10.47	0.96
For Up To 20, Add	3.27	
For >20 To 50, Add	1.80	
For >50 To 100, Add	0.90	
For >100 To 300, Add	0.45	
09 64 29 00-0033 SF 1/2" Thick, Natural Hickory, Prefinished Engineered Wood Flooring.....	10.70	0.96
For Up To 20, Add	3.31	
For >20 To 50, Add	1.83	
For >50 To 100, Add	0.91	
For >100 To 300, Add	0.46	
09 64 66 Wood Athletic Flooring (09 64)		
Note: On shims, sleepers and/or screeds. 1-1/2" or 2-1/4" widths. Excludes finish.		
09 64 66 00-0001 Wood Gym/Stage/Dance Floors (09 64 66)		
Note: Includes sanding and vent cove base. Excludes concrete repairs to subbase, thresholds, and finishing.		
09 64 66 00-0002 SF 25/32" Maple Wood Gym/Stage/Dance Floor.....	12.72	4.82
For Oak Or Birch, Deduct	-0.20	
For Pine, Deduct	-0.30	
For #1 Grade Material, Add	0.50	
09 64 66 00-0003 SF Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Resilient Pads (Connor DuraCushion).....	16.91	6.27
Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/8" resilient pads.		
For Oak Or Birch, Deduct	-0.20	
For Pine, Deduct	-0.30	
For #1 Grade Material, Add	0.50	
09 64 66 00-0004 SF Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Two Stage Resilient Pads (Connor NeoShok).....	17.80	6.27
Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/4" hemispherical two stage polyurethane resilient pads.		
For Oak Or Birch, Deduct	-0.20	
For Pine, Deduct	-0.30	
For #1 Grade Material, Add	0.50	
09 64 66 00-0005 SF Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Subfloor With Continuous Steel Channel Encased Sleepers And Resilient Pads (Connor PermaFlex).....	19.67	6.27
Note: Includes 6 mil polyethylene vapor barrier, one layer of 15/32" plywood subfloor, a continuous steel channel encasing a 23/32" fixed sleeper, a 7/16" resilient pad and a 23/32" flex sleeper.		
For Oak Or Birch, Deduct	-0.20	
For Pine, Deduct	-0.30	
For #1 Grade Material, Add	0.50	
09 64 66 00-0006 SF Fixed Resilient 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Panel Subfloor With Resilient Pads (Connor Focus).....	18.81	6.27
Note: Includes 6 mil polyethylene vapor barrier, one layer of 3/4" subfloor, 9/16" resilient pads and concrete anchors and clips.		
For Oak Or Birch, Deduct	-0.20	
For Pine, Deduct	-0.30	
For #1 Grade Material, Add	0.50	
09 64 66 00-0007 SF Clip And Channel, Fixed 33/32" Maple Wood Gym/Stage/Dance Floor System (Connor PermaLock).....	21.43	6.27
Note: Includes 6 mil polyethylene vapor barrier, one layer of 1/2" impregnated fiberboard with channel grooves for 16 gauge steel anchor channel.		
For Oak Or Birch, Deduct	-0.20	
For Pine, Deduct	-0.30	
For #1 Grade Material, Add	0.50	

09 65 Resilient Flooring (09 60)



Finishes	09	
Flooring	09 60	09
Resilient Flooring	09 65	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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See CSI section 03 54 16 00-0001 for self leveling underlayment for uneven floors.

09 65 13 Resilient Base And Accessories (09 65)

09 65 13 13 Resilient Base (09 65 13)

09 65 13 13-0001 Type TV Thermoplastic Vinyl Wall Base (09 65 13 13)

Note: Includes inside and outside corners.

09 65 13 13-0002	LF 2-1/2" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	3.38	
	For Up To 20, Add	1.51	
	For >20 To 40, Add	0.84	
	For >40 To 80, Add	0.29	
	For >240 To 960, Deduct	-0.21	
	For >960, Deduct	-0.32	
09 65 13 13-0003	LF 4" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	3.71	1.25
	For Up To 20, Add	1.56	
	For >20 To 40, Add	0.87	
	For >40 To 80, Add	0.31	
	For >240 To 960, Deduct	-0.25	
	For >960, Deduct	-0.37	
09 65 13 13-0004	LF 6" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	4.41	1.25
	For Up To 20, Add	1.67	
	For >20 To 40, Add	0.94	
	For >40 To 80, Add	0.35	
	For >240 To 960, Deduct	-0.32	
	For >960, Deduct	-0.47	

09 65 13 13-0005 Type TP Thermoplastic Rubber Wall Base (09 65 13 13)

Note: Includes inside and outside corners.

09 65 13 13-0006	LF 2-1/2" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	3.59	
	For Up To 20, Add	1.54	
	For >20 To 40, Add	0.86	
	For >40 To 80, Add	0.31	
	For >240 To 960, Deduct	-0.23	
	For >960, Deduct	-0.35	
09 65 13 13-0007	LF 4" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	3.84	1.25
	For Up To 20, Add	1.58	
	For >20 To 40, Add	0.89	
	For >40 To 80, Add	0.32	
	For >240 To 960, Deduct	-0.26	
	For >960, Deduct	-0.39	
09 65 13 13-0008	LF 6" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	4.52	1.25
	For Up To 20, Add	1.68	
	For >20 To 40, Add	0.95	
	For >40 To 80, Add	0.35	
	For >240 To 960, Deduct	-0.33	
	For >960, Deduct	-0.49	
09 65 13 13-0009	LF 2-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	5.62	1.25
	For Up To 20, Add	1.85	
	For >20 To 40, Add	1.06	
	For >40 To 80, Add	0.41	
	For >240 To 960, Deduct	-0.44	
	For >960, Deduct	-0.65	
09 65 13 13-0010	LF 3" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	5.69	1.25
	For Up To 20, Add	1.86	
	For >20 To 40, Add	1.07	
	For >40 To 80, Add	0.41	
	For >240 To 960, Deduct	-0.44	
	For >960, Deduct	-0.67	
09 65 13 13-0011	LF 4-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	6.76	1.25
	For Up To 20, Add	2.02	
	For >20 To 40, Add	1.18	
	For >40 To 80, Add	0.46	
	For >240 To 960, Deduct	-0.55	
	For >960, Deduct	-0.83	
09 65 13 13-0012	LF 6" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	8.90	1.25
	For Up To 20, Add	2.34	
	For >20 To 40, Add	1.39	
	For >40 To 80, Add	0.57	
	For >240 To 960, Deduct	-0.76	
	For >960, Deduct	-1.15	

09 65 13 13-0013 Type TS Thermoset Vulcanized Rubber Wall Base (09 65 13 13)

Note: Includes inside and outside corners.

09 65 13 13-0014	LF 2-1/2" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	3.86	
	For Up To 20, Add	1.58	
	For >20 To 40, Add	0.89	
	For >40 To 80, Add	0.32	
	For >240 To 960, Deduct	-0.26	
	For >960, Deduct	-0.39	

09	09 Finishes
	09 60 Flooring
	09 65 Resilient Flooring



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 13-0015	LF		4" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	3.87	1.25
			<i>For Up To 20, Add</i>	1.58	
			<i>For >20 To 40, Add</i>	0.89	
			<i>For >40 To 80, Add</i>	0.32	
			<i>For >240 To 960, Deduct</i>	-0.26	
			<i>For >960, Deduct</i>	-0.39	
09 65 13 13-0016	LF		6" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	5.36	1.51
			<i>For Up To 20, Add</i>	2.01	
			<i>For >20 To 40, Add</i>	1.14	
			<i>For >40 To 80, Add</i>	0.42	
			<i>For >240 To 960, Deduct</i>	-0.39	
			<i>For >960, Deduct</i>	-0.58	
09 65 13 23			Resilient Stair Treads And Risers <small>(09 65 13)</small>		
			Note: All treads have integral nosing. Abrasive strip modifiers include either 1 or 2 strips running the length of the tread. All colors.		
09 65 13 23-0001			Rubber Stair Treads and Risers <small>(09 65 13 23)</small>		
09 65 13 23-0002			Raised Disc Or Other Patterned Rubber Stair Tread <small>(09 65 13 23-0001)</small>		
09 65 13 23-0003	LF		3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	15.14	2.01
			Note: Raised disc or other pattern.		
			<i>For Abrasive Strip, Add</i>	2.75	
			<i>For Photo Luminescent Abrasive Strip, Add</i>	3.75	
09 65 13 23-0004	LF		1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	16.29	2.16
			Note: Raised disc or other pattern.		
			<i>For Abrasive Strip, Add</i>	2.75	
			<i>For Photo Luminescent Abrasive Strip, Add</i>	3.75	
09 65 13 23-0005	LF		5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	19.69	2.31
			Note: Raised disc or other pattern.		
			<i>For Abrasive Strip, Add</i>	2.75	
			<i>For Photo Luminescent Abrasive Strip, Add</i>	3.75	
09 65 13 23-0006			Smooth Surface Rubber Stair Tread <small>(09 65 13 23-0001)</small>		
09 65 13 23-0007	LF		3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	14.31	2.01
			Note: Smooth surface.		
			<i>For Abrasive Strip, Add</i>	2.75	
			<i>For Photo Luminescent Abrasive Strip, Add</i>	3.75	
09 65 13 23-0008	LF		1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	15.32	2.16
			Note: Smooth surface.		
			<i>For Abrasive Strip, Add</i>	2.75	
			<i>For Photo Luminescent Abrasive Strip, Add</i>	3.75	
09 65 13 23-0009	LF		5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	18.45	2.32
			Note: Smooth surface.		
			<i>For Abrasive Strip, Add</i>	2.75	
			<i>For Photo Luminescent Abrasive Strip, Add</i>	3.75	
09 65 13 23-0010			Smooth Surface Rubber Stair Riser <small>(09 65 13 23-0001)</small>		
09 65 13 23-0011	LF		1/8" Thick, Smooth Surface Rubber Stair Riser	8.34	1.20
09 65 13 23-0012			Smooth, Raised Disc or Other Patterned Rubber Landing Mats <small>(09 65 13 23-0001)</small>		
09 65 13 23-0013	SF		1/8" Thick, Rubber Landing Mats	17.17	1.86
			Note: Smooth, raised disc or other patterned surface.		
09 65 13 23-0014	SF		3/16" Thick, Rubber Landing Mats	20.30	2.01
			Note: Smooth, raised disc or other patterned surface.		
09 65 13 23-0015	SF		7/32" Thick, Rubber Landing Mats	22.02	2.26
			Note: Smooth, raised disc or other patterned surface.		
09 65 13 23-0016			Vinyl Stair Treads and Risers <small>(09 65 13 23)</small>		
09 65 13 23-0017			Ribbed Vinyl Stair Tread <small>(09 65 13 23-0016)</small>		
09 65 13 23-0018	LF		1/8" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	12.41	1.83
			<i>For Abrasive Strip, Add</i>	2.75	
09 65 13 23-0019	LF		3/16" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	13.68	2.01
			<i>For Abrasive Strip, Add</i>	2.75	
09 65 13 23-0020	LF		1/4" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	16.18	2.17
			<i>For Abrasive Strip, Add</i>	2.75	
09 65 13 23-0021			Smooth Surface Vinyl Stair Riser <small>(09 65 13 23-0016)</small>		
09 65 13 23-0022	LF		1/8" Thick, 7" High, Smooth Surface Vinyl Stair Riser	7.05	1.20
09 65 13 33			Resilient Accessories <small>(09 65 13)</small>		
09 65 13 33-0001			Flexible Self Leveling Cementitious Underlayments <small>(09 65 13 33)</small>		
09 65 13 33-0002	SF		1/8" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers	1.58	1.00
09 65 13 33-0003	SF		1/4" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers	2.33	1.00



Finishes		09
Flooring		09 60
Resilient Flooring		09 65

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
09 65 13 33-0004		Concrete Floor Prep (09 65 13 33)		
09 65 13 33-0005	SF	Removal Of Glue From Concrete Floor	1.25	
		Note: For removal of glue from VCT or carpet placement. Not to be used in conjunction with demolition tasks associated with floor tile installation.		
09 65 13 36		Resilient Carpet Transitions (09 65 13)		
09 65 13 36-0001		Vinyl Transition Strip (09 65 13 36)		
09 65 13 36-0002	LF	Vinyl Transition Strip, Brown Or Black	1.87	0.90
		For >240 To 960, Deduct	-0.12	
		For >960, Deduct	-0.19	
09 65 13 36-0003	LF	Vinyl Floor Tile Reducer Strip, Brown Or Black	1.74	0.90
		For >240 To 960, Deduct	-0.11	
		For >960, Deduct	-0.17	
09 65 13 36-0004	LF	Vinyl Floor Tile Feature Strip, Brown Or Black.....	1.58	0.90
		For >240 To 960, Deduct	-0.10	
		For >960, Deduct	-0.14	
09 65 13 36-0005		Vinyl, Wheeled Traffic Transitions (09 65 13 36)		
09 65 13 36-0006	LF	1/4" To 1/8" Material x 1-3/4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-A)	3.11	1.25
		For Up To 20, Add	1.27	
		For >20 To 40, Add	0.71	
		For >40 To 80, Add	0.26	
		For >240 To 960, Deduct	-0.21	
		For >960, Deduct	-0.32	
09 65 13 36-0007	LF	1/4" To 1/8" Material x 1", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-C)	3.11	1.25
		For Up To 20, Add	1.27	
		For >20 To 40, Add	0.71	
		For >40 To 80, Add	0.26	
		For >240 To 960, Deduct	-0.21	
		For >960, Deduct	-0.32	
09 65 13 36-0008	LF	5/16" To 1/16" Or 1/8" Material x 1-5/8", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-D)	3.60	1.25
		For Up To 20, Add	1.34	
		For >20 To 40, Add	0.76	
		For >40 To 80, Add	0.28	
		For >240 To 960, Deduct	-0.26	
		For >960, Deduct	-0.39	
09 65 13 36-0009	LF	1/4" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-H)	5.34	1.25
		For Up To 20, Add	1.61	
		For >20 To 40, Add	0.94	
		For >40 To 80, Add	0.37	
		For >240 To 960, Deduct	-0.43	
		For >960, Deduct	-0.65	
09 65 13 36-0010	LF	1/4" To 1/8" Material x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HL)	5.36	1.25
		For Up To 20, Add	1.61	
		For >20 To 40, Add	0.94	
		For >40 To 80, Add	0.37	
		For >240 To 960, Deduct	-0.44	
		For >960, Deduct	-0.65	
09 65 13 36-0011	LF	1/4" To 0.08" Or 2 mm Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HT)	3.86	1.25
		For Up To 20, Add	1.38	
		For >20 To 40, Add	0.79	
		For >40 To 80, Add	0.29	
		For >240 To 960, Deduct	-0.29	
		For >960, Deduct	-0.43	
09 65 13 36-0012	LF	1/4" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-J)	5.23	1.25
		For Up To 20, Add	1.59	
		For >20 To 40, Add	0.93	
		For >40 To 80, Add	0.36	
		For >240 To 960, Deduct	-0.42	
		For >960, Deduct	-0.63	
09 65 13 36-0013	LF	1/4" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-JL)	5.39	1.25
		For Up To 20, Add	1.61	
		For >20 To 40, Add	0.94	
		For >40 To 80, Add	0.37	
		For >240 To 960, Deduct	-0.44	
		For >960, Deduct	-0.66	
09 65 13 36-0014	LF	3/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-K)	4.69	1.25
		For Up To 20, Add	1.51	
		For >20 To 40, Add	0.87	
		For >40 To 80, Add	0.34	
		For >240 To 960, Deduct	-0.37	
		For >960, Deduct	-0.55	
09 65 13 36-0015	LF	3/8" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-L)	5.03	1.25
		For Up To 20, Add	1.56	
		For >20 To 40, Add	0.91	
		For >40 To 80, Add	0.35	
		For >240 To 960, Deduct	-0.40	
		For >960, Deduct	-0.60	

09 Finishes

09 60 Flooring

09 65 Resilient Flooring



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65	13 36-0016	LF	1/4" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-M).....	5.39	1.25
			<i>For Up To 20, Add</i>	1.61	
			<i>For >20 To 40, Add</i>	0.94	
			<i>For >40 To 80, Add</i>	0.37	
			<i>For >240 To 960, Deduct</i>	-0.44	
			<i>For >960, Deduct</i>	-0.66	
09 65	13 36-0017	LF	1/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-N)	4.62	1.25
			<i>For Up To 20, Add</i>	1.50	
			<i>For >20 To 40, Add</i>	0.86	
			<i>For >40 To 80, Add</i>	0.33	
			<i>For >240 To 960, Deduct</i>	-0.36	
			<i>For >960, Deduct</i>	-0.54	
09 65	13 36-0018	LF	3/8" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-P).....	4.05	1.25
			<i>For Up To 20, Add</i>	1.41	
			<i>For >20 To 40, Add</i>	0.81	
			<i>For >40 To 80, Add</i>	0.30	
			<i>For >240 To 960, Deduct</i>	-0.30	
			<i>For >960, Deduct</i>	-0.46	
09 65	13 36-0019	LF	3/8" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-PL).....	5.51	1.25
			<i>For Up To 20, Add</i>	1.63	
			<i>For >20 To 40, Add</i>	0.95	
			<i>For >40 To 80, Add</i>	0.38	
			<i>For >240 To 960, Deduct</i>	-0.45	
			<i>For >960, Deduct</i>	-0.68	
09 65	13 36-0020	LF	1/2" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Q)	6.83	1.25
			<i>For Up To 20, Add</i>	1.83	
			<i>For >20 To 40, Add</i>	1.09	
			<i>For >40 To 80, Add</i>	0.44	
			<i>For >240 To 960, Deduct</i>	-0.58	
			<i>For >960, Deduct</i>	-0.87	
09 65	13 36-0021	LF	0.08" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-X).....	3.96	1.25
			<i>For Up To 20, Add</i>	1.40	
			<i>For >20 To 40, Add</i>	0.80	
			<i>For >40 To 80, Add</i>	0.30	
			<i>For >240 To 960, Deduct</i>	-0.30	
			<i>For >960, Deduct</i>	-0.44	
09 65	13 36-0022	LF	0.08" To 0.08" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Y).....	4.01	1.25
			<i>For Up To 20, Add</i>	1.41	
			<i>For >20 To 40, Add</i>	0.80	
			<i>For >40 To 80, Add</i>	0.30	
			<i>For >240 To 960, Deduct</i>	-0.30	
			<i>For >960, Deduct</i>	-0.45	
09 65	13 36-0023	LF	0.08" To 3/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Z).....	4.42	1.25
			<i>For Up To 20, Add</i>	1.47	
			<i>For >20 To 40, Add</i>	0.84	
			<i>For >40 To 80, Add</i>	0.32	
			<i>For >240 To 960, Deduct</i>	-0.34	
			<i>For >960, Deduct</i>	-0.51	

09 65 16 Resilient Sheet Flooring (09 65)
 Note: Includes mastic and cleaning floor after installation is complete.

09 65 16 23 Vinyl Sheet Flooring (09 65 16)

09 65 16 23-0001	Vinyl Sheet Flooring (09 65 16 23)				
Note: For flash cove application, add additional square foot of material to form cove base.					
09 65 16 23-0002	SF	0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring (Armstrong® Medintech®).....		6.88	0.75
			<i>For Up To 40, Add</i>	3.38	
			<i>For >40 To 100, Add</i>	1.69	
			<i>For >1,000, Deduct</i>	-0.53	
09 65 16 23-0003	SF	0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring (Armstrong® Medley™).....		5.74	0.75
			<i>For Up To 40, Add</i>	3.15	
			<i>For >40 To 100, Add</i>	1.58	
			<i>For >1,000, Deduct</i>	-0.42	
09 65 16 23-0004	SF	0.080" Overall Thickness, 0.050" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring (Armstrong® Connection Corlon®).....		3.96	0.75
			<i>For Up To 40, Add</i>	2.79	
			<i>For >40 To 100, Add</i>	1.40	
			<i>For >1,000, Deduct</i>	-0.24	
09 65 16 23-0005	SF	0.080" Overall Thickness, 0.040" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring (Armstrong® Possibilities® Petit Point™).....		4.96	0.75
			<i>For Up To 40, Add</i>	2.99	
			<i>For >40 To 100, Add</i>	1.50	
			<i>For >1,000, Deduct</i>	-0.34	
09 65 16 23-0006	SF	0.080" Overall Thickness, 0.060" Wear Layer, Inlaid With Felt Backing, Commercial Vinyl Sheet Flooring (Armstrong® Medintech Tandem®).....		6.42	0.75
			<i>For Up To 40, Add</i>	3.29	
			<i>For >40 To 100, Add</i>	1.64	
			<i>For >1,000, Deduct</i>	-0.49	
09 65 16 23-0007	SF	0.080" Overall Thickness, 0.020" Wear Layer, Slip Retardant Surface, Commercial Vinyl Sheet Flooring (Armstrong® Safeguard®).....		8.63	0.75
			<i>For Up To 40, Add</i>	3.73	
			<i>For >40 To 100, Add</i>	1.86	
			<i>For >1,000, Deduct</i>	-0.71	



	Finishes	09
	Flooring	09 60
	Resilient Flooring	09 65

09

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 16 23-0008 Heat Welding Vinyl Sheet Flooring Seams (09 65 16 23) Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.		
09 65 16 23-0009 LF Heat Weld Non-Patterned Vinyl Sheet Flooring Seams.....	6.86	
09 65 16 23-0010 LF Heat Weld Patterned Vinyl Sheet Flooring Seams	7.10	
09 65 16 23-0011 Forming Vinyl Sheet Flooring Inside/Outside Cove Corners (09 65 16 23) Note: Excludes heat welding.		
09 65 16 23-0012 EA Forming Vinyl Sheet Flooring Inside/Outside Cove Corners.....	16.76	
09 65 16 23-0013 Vinyl Sheet Flooring Accessories (09 65 16 23)		
09 65 16 23-0014 LF 1/2" Radius Vinyl Cove Filler Strip	3.16	
09 65 16 23-0015 LF 1-1/4" Radius Vinyl Cove Filler Strip	2.95	
09 65 16 23-0016 LF 1-1/2" Radius Vinyl Cove Filler Strip	4.18	
09 65 16 23-0017 LF 1/8" Aluminum Cove Cap.....	2.58	
09 65 19 Resilient Tile Flooring (09 65)		
Note: Includes mastic and cleaning floor after installation is complete. Demolition includes removal of the tile and adhesive and cleaning of the surface for a new floor.		
09 65 19 19 Vinyl Composition Tile Flooring (09 65 19)		
09 65 19 19-0001 Vinyl Composition Tile (VCT) (09 65 19 19) Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 1 solid color tile, Class 2 through pattern tile or Class 3 surface pattern tile as listed in the task description.		
09 65 19 19-0002 SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Imperial Texture®)	2.94	1.51
For >1,000 To 3,000, Deduct	-0.07	
For >3,000 To 6,000, Deduct	-0.18	
For >6,000, Deduct	-0.34	
For 3/32" Thick, Deduct	-0.11	
For Extra Stock, Material Only, Deduct	-1.77	
09 65 19 19-0003 SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon MultiColor™).....	2.94	1.51
For >1,000 To 3,000, Deduct	-0.07	
For >3,000 To 6,000, Deduct	-0.18	
For >6,000, Deduct	-0.34	
For Extra Stock, Material Only, Deduct	-1.77	
09 65 19 19-0004 SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Rave®).....	2.94	1.51
For >1,000 To 3,000, Deduct	-0.07	
For >3,000 To 6,000, Deduct	-0.18	
For >6,000, Deduct	-0.34	
For Extra Stock, Material Only, Deduct	-1.77	
09 65 19 19-0005 SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® ChromaSpin™)	3.98	1.51
For >1,000 To 3,000, Deduct	-0.09	
For >3,000 To 6,000, Deduct	-0.22	
For >6,000, Deduct	-0.41	
For Extra Stock, Material Only, Deduct	-1.77	
09 65 19 19-0006 SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Companion Square®).....	3.99	1.51
For >1,000 To 3,000, Deduct	-0.09	
For >3,000 To 6,000, Deduct	-0.22	
For >6,000, Deduct	-0.41	
For Extra Stock, Material Only, Deduct	-1.77	
09 65 19 19-0007 SF 1/8" Thick, Class 3 Surface Pattern, Vinyl Composition Tile (VCT) (Armstrong® Arteffects®)	4.18	1.51
For >1,000 To 3,000, Deduct	-0.09	
For >3,000 To 6,000, Deduct	-0.23	
For >6,000, Deduct	-0.42	
For Extra Stock, Material Only, Deduct	-1.77	
09 65 19 19-0008 SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Stonetex®)	4.21	1.51
For >1,000 To 3,000, Deduct	-0.09	
For >3,000 To 6,000, Deduct	-0.23	
For >6,000, Deduct	-0.42	
For Extra Stock, Material Only, Deduct	-1.77	
09 65 19 19-0009 SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Raffia™).....	4.34	1.51
For >1,000 To 3,000, Deduct	-0.10	
For >3,000 To 6,000, Deduct	-0.24	
For >6,000, Deduct	-0.43	
For Extra Stock, Material Only, Deduct	-1.77	
09 65 19 19-0010 SF 1/8" Thick, Slip Retardant, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Safety Zone™)	5.46	1.51
For >1,000 To 3,000, Deduct	-0.12	
For >3,000 To 6,000, Deduct	-0.28	
For >6,000, Deduct	-0.50	
For Extra Stock, Material Only, Deduct	-1.77	
09 65 19 19-0011 SF 1/8" Thick, Class 1 Solid Color, Vinyl Composition Tile (VCT) (Armstrong® Excelon Feature™).....	5.91	1.51
For >1,000 To 3,000, Deduct	-0.13	
For >3,000 To 6,000, Deduct	-0.30	
For >6,000, Deduct	-0.52	
For Extra Stock, Material Only, Deduct	-1.77	

09	09 Finishes
	09 60 Flooring
	09 65 Resilient Flooring



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 19-0012 SF 1/8" Thick, Static Dissipative, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® SDT™)	10.10	1.51
For >1,000 To 3,000, Deduct	-0.21	
For >3,000 To 6,000, Deduct	-0.47	
For >6,000, Deduct	-0.77	
For Extra Stock, Material Only, Deduct	-1.77	
09 65 19 23 Vinyl Tile Flooring (09 65 19)		
09 65 19 23-0001 Vinyl Tile (09 65 19 23) Note: Any size.		
09 65 19 23-0002 Solid Vinyl Tile (SVT) (09 65 19 23-0001) Note: The following solid vinyl tiles are certified to ASTM F 1700.		
09 65 19 23-0003 SF 1/8" Thick, Class 1 Type A, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Cortina Grande).....	6.77	1.51
For >1,000 To 3,000, Deduct	-0.15	
For >3,000 To 6,000, Deduct	-0.36	
For >6,000, Deduct	-0.64	
09 65 19 23-0004 SF 1/8" Thick, Class 1 Type A, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Karim Kolors).....	6.93	1.51
For >1,000 To 3,000, Deduct	-0.15	
For >3,000 To 6,000, Deduct	-0.37	
For >6,000, Deduct	-0.65	
09 65 19 23-0005 SF 1/8" Thick, Slip Retardant, Class 1 Type B, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Cortina Grande SR)	7.03	1.51
For >1,000 To 3,000, Deduct	-0.15	
For >3,000 To 6,000, Deduct	-0.37	
For >6,000, Deduct	-0.65	
09 65 19 23-0006 Luxury Vinyl Tile (LVT) (09 65 19 23-0001)		
09 65 19 23-0007 SF 2.5mm Thick, Luxury Vinyl Tile (LVT) (Mannington Amtico)	9.16	1.51
For >1,000 To 3,000, Deduct	-0.20	
For >3,000 To 6,000, Deduct	-0.46	
For >6,000, Deduct	-0.78	
09 65 19 33 Rubber Tile Flooring (09 65 19)		
09 65 19 33-0001 Rubber Tile (09 65 19 33)		
09 65 19 33-0002 Rubber Tile With Raised Discs, Assorted Colors (09 65 19 33-0001)		
09 65 19 33-0003 SF 1/8" Thick Rubber Tile With Raised Discs.....	13.55	0.90
Note: Smooth, raised disc or other patterned surface.		
For Up To 100, Add	0.77	
09 65 19 33-0004 SF 3/16" Thick Rubber Tile With Raised Discs.....	16.33	1.00
Note: Smooth, raised disc or other patterned surface.		
For Up To 100, Add	0.92	
09 65 19 33-0005 SF 7/32" Thick Rubber Tile With Raised Discs.....	18.22	1.20
Note: Smooth, raised disc or other patterned surface.		
For Up To 100, Add	1.03	
09 65 19 43 Polyester Composition Tile Flooring (09 65 19)		
09 65 19 43-0001 Polyester Composition Floor Tile (09 65 19 43) Note: Any size.		
09 65 19 43-0002 SF 1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Migrations®).....	4.04	1.51
For >1,000 To 3,000, Deduct	-0.09	
For >3,000 To 6,000, Deduct	-0.23	
For >6,000, Deduct	-0.41	
For Extra Stock, Material Only, Deduct	-1.77	
09 65 19 43-0003 SF 1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Striations®).....	4.51	1.51
For >1,000 To 3,000, Deduct	-0.10	
For >3,000 To 6,000, Deduct	-0.25	
For >6,000, Deduct	-0.44	
For Extra Stock, Material Only, Deduct	-1.77	
09 65 23 Resilient Plank Flooring (09 65)		
Note: Includes mastic and cleaning floor after installation is complete.		
09 65 23 00-0001 Vinyl Plank Flooring (09 65 23)		
09 65 23 00-0002 SF 0.110" Overall Thickness, 0.012" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™)	5.33	0.75
For Up To 40, Add	3.07	
For >40 To 100, Add	1.53	
For >1,000, Deduct	-0.38	
09 65 23 00-0003 SF 0.135" Overall Thickness, 0.020" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™)	6.54	0.75
For Up To 40, Add	3.31	
For >40 To 100, Add	1.66	
For >1,000, Deduct	-0.50	
09 65 23 00-0004 SF 0.16" Overall Thickness, 0.020" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™)	7.30	0.75
For Up To 40, Add	3.46	
For >40 To 100, Add	1.73	
For >1,000, Deduct	-0.58	



Finishes	09	9
Flooring	09 60	
Resilient Flooring	09 65	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 65 43

Linoleum Flooring (09 65)

Note: Includes mastic and cleaning floor after installation is complete.

09 65 43 00-0001

Linoleum Flooring (09 65 43)

09 65 43 00-0002	SF	Linoleum Tile (Forbo Marmoleum Composition Tile, MCT).....	5.11	1.51
09 65 43 00-0003	SF	2.5mm, Linoleum Sheet (Forbo Marmoleum)	3.65	0.75
		<i>For 3.2mm Thickness, Add</i>	<i>0.42</i>	
		<i>For 2mm Thickness, Deduct</i>	<i>-0.20</i>	
09 65 43 00-0004	LF	Heat Weld Linoleum Sheet Flooring Seams	6.86	
		Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.		

09 65 66

Resilient Athletic Flooring (09 65)

09 65 66 00-0001

Sheet Goods For Gym (09 65 66)

09 65 66 00-0002	SF	1/4" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor.....	7.40	3.01
09 65 66 00-0003	SF	9/32" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor.....	7.79	3.11
09 65 66 00-0004	SF	3/8" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor.....	8.07	3.21
09 65 66 00-0005	SF	1/8" Rubber Sheet Good For Gym Floor Base	4.99	2.46
09 65 66 00-0006	SF	3/16" Rubber Sheet Good For Gym Floor Base	5.64	2.81
09 65 66 00-0007	SF	1/4" Rubber Sheet Good For Gym Floor Base	6.49	3.01
09 65 66 00-0008	SF	3/8" Rubber Sheet Good For Gym Floor Base	7.12	3.21
09 65 66 00-0009	SF	1/2" Rubber Sheet Good For Gym Floor Base	7.54	3.41

09 65 66 00-0010

Interlocking Rubber Flooring (09 65 66)

09 65 66 00-0011	SF	3/8" Interlocking Rubber Athletic Flooring With Raised Square Pattern (Pawling HL-155).....	23.27	0.70
		Note: Black with hidden or exposed locks.		
		<i>For Colors, Add</i>	<i>2.78</i>	
09 65 66 00-0012	SF	9/16" Interlocking Rubber Athletic Flooring With Raised Square Pattern (Pawling HL-100).....	35.65	0.70
		Note: Black with hidden or exposed locks.		
		<i>For Colors, Add</i>	<i>4.33</i>	
09 65 66 00-0013	SF	7/16" Interlocking Rubber Athletic Flooring With Raised Square Pattern (Pawling PL-100).....	20.78	0.70
		Note: Black with hidden or exposed locks.		
		<i>For Colors, Add</i>	<i>2.47</i>	
09 65 66 00-0014	SF	9/16" Interlocking Rubber Athletic Flooring With Raised Square Pattern (Pawling PL-200).....	24.85	0.70
		Note: Black with hidden or exposed locks.		
		<i>For Colors, Add</i>	<i>2.98</i>	
09 65 66 00-0015	SF	7/16" Interlocking Rubber Athletic Flooring With Raised Square Pattern (Pawling FL-150).....	20.78	0.70
		Note: Black with hidden or exposed locks.		
		<i>For Colors, Add</i>	<i>2.47</i>	
09 65 66 00-0016	SF	3/8" Interlocking Rubber Tile Flooring.....	4.24	0.70
09 65 66 00-0017	SF	7/16" Interlocking Rubber Tile Flooring.....	4.70	0.80
09 65 66 00-0018	SF	1/2" Interlocking Rubber Tile Flooring.....	4.92	0.88
09 65 66 00-0019	SF	5/8" Interlocking Rubber Tile Flooring.....	5.25	1.05
09 65 66 00-0020	SF	3/4" Interlocking Rubber Tile Flooring.....	7.71	1.41
09 65 66 00-0021	SF	1" Interlocking Rubber Tile Flooring.....	10.01	1.71

09 65 66 00-0022

Polyurethane Floor Systems (09 65 66)

See CSI section 09 93 23 53-0022 for game lines.

09 65 66 00-0023	SF	9 mm Thick Base Coat, 2 mm Thick Top Coat, Polyurethane Floor System With Polyurethane/Rubber Granulate Base (Robbins Pulastic).....	16.77	2.01
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09 66 Terrazzo Flooring (09 60)

09 66 13

Portland Cement Terrazzo Flooring (09 66)

Note: Excludes divider strips. See CSI section 09 66 33 00-0000 for conductive terrazzo.

09 66 13 13

Sand Cushion Terrazzo Flooring (09 66 13)

09 66 13 13-0001

Floors Not Bonded To Concrete (09 66 13 13)

Note: 3" Thick - 5/8" topping and 1/4" sand cushion.

09 66 13 13-0002	SF	Terrazzo Floor, Not Bonded, Gray Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion.....	28.24	2.46
		<i>For Venetian Type Terrazzo, Add</i>	<i>7.55</i>	
		<i>For Abrasive Heavy Duty Terrazzo, Add</i>	<i>7.55</i>	
		<i>For Colors, Add</i>	<i>3.78</i>	
		<i>For Up To 100, Add</i>	<i>6.77</i>	
		<i>For >100 To 250, Add</i>	<i>3.38</i>	
09 66 13 13-0003	SF	Terrazzo Floor, Not Bonded, White Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion.....	28.38	2.46
		<i>For Venetian Type Terrazzo, Add</i>	<i>7.62</i>	
		<i>For Abrasive Heavy Duty Terrazzo, Add</i>	<i>7.62</i>	
		<i>For Colors, Add</i>	<i>3.81</i>	
		<i>For Up To 100, Add</i>	<i>6.78</i>	
		<i>For >100 To 250, Add</i>	<i>3.39</i>	

09 66 13 16

Monolithic Terrazzo Flooring (09 66 13)

09 66 13 16-0001

Monolithic Terrazzo (09 66 13 16)

09 Finishes**09 60 Flooring****09 66 Terrazzo Flooring**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 13 16-0002	SF		Monolithic Terrazzo, 3-1/2" Base 5/8" Topping, 4'-5' Square Panels Topping (Including Mesh And Felt)	15.76	2.46
			<i>For Venetian Type Terrazzo, Add</i>	5.50	
			<i>For Abrasive Heavy Duty Terrazzo, Add</i>	5.50	
			<i>For Colors, Add</i>	2.75	
			<i>For Up To 100, Add</i>	3.01	
			<i>For >100 To 250, Add</i>	1.50	
09 66 13 19 Bonded Terrazzo Flooring (09 66 13)					
09 66 13 19-0001			Floors Bonded To Concrete (09 66 13 19)		
			Note: 1-3/4" Thick - 5/8" topping.		
09 66 13 19-0002	SF		Terrazzo Floor, Bonded To Concrete, Gray Cement 1-3/4" Thick With 5/8" Topping	22.55	2.46
			<i>For Venetian Type Terrazzo, Add</i>	6.23	
			<i>For Abrasive Heavy Duty Terrazzo, Add</i>	6.23	
			<i>For Colors, Add</i>	3.12	
			<i>For Up To 100, Add</i>	5.28	
			<i>For >100 To 250, Add</i>	2.64	
09 66 13 19-0003	SF		Terrazzo Floor, Bonded To Concrete, White Cement 1-3/4" Thick With 5/8" Topping.....	22.69	2.46
			<i>For Venetian Type Terrazzo, Add</i>	6.30	
			<i>For Abrasive Heavy Duty Terrazzo, Add</i>	6.30	
			<i>For Colors, Add</i>	3.15	
			<i>For Up To 100, Add</i>	5.30	
			<i>For >100 To 250, Add</i>	2.65	
09 66 13 19-0004			Terrazzo Wainscot (09 66 13 19)		
09 66 13 19-0005	SF		1-1/2" Thick Terrazzo Wainscot, Cast In Place, Bonded To Concrete Or Masonry	29.93	3.28
			<i>For Venetian Type Terrazzo, Add</i>	4.03	
09 66 13 19-0006			Terrazzo Base (09 66 13 19)		
09 66 13 19-0007	SF		6" Cove Type Terrazzo Base, Cast In Place, Bonded To Concrete Or Masonry	32.11	2.61
			<i>For Venetian Type Terrazzo, Add</i>	8.80	
09 66 13 19-0008			Terrazzo Curb (09 66 13 19)		
09 66 13 19-0009	LF		6" x 6" Terrazzo Curb, Cast In Place, Polished Top And 2 Faces.....	81.52	17.42
			<i>For Venetian Type Terrazzo, Add</i>	11.73	
09 66 13 19-0010			Stairs Cast In Place (09 66 13 19)		
			Note: Topping applied to concrete or metal.		
09 66 13 19-0011	LF		1-1/2" Thick x 12" Wide, Terrazzo Stair, Cast In Place, Bonded To Concrete Or Metal	30.44	4.92
			<i>For Each SF Of Abrasive Surface Finish, Add</i>	0.35	
			<i>For Each LF Of Embedded Abrasive Strips, Add</i>	0.56	
			<i>For Each LF Of Abrasive Metal Nosing, Add</i>	3.90	
			<i>For Each SF Of Landings, Add</i>	1.50	
09 66 13 19-0012	LF		Terrazzo Stair Tread And Riser, Cast In Place, Bonded To Concrete Or Metal	75.72	16.40
			<i>For Each SF Of Abrasive Surface Finish, Add</i>	0.35	
			<i>For Each LF Of Embedded Abrasive Strips, Add</i>	0.56	
			<i>For Each LF Of Abrasive Metal Nosing, Add</i>	3.90	
			<i>For Each SF Of Landings, Add</i>	1.50	
09 66 13 19-0013	SF		Terrazzo Stair Stringer And Fascia, Cast In Place, Bonded To Concrete Or Metal	30.89	4.92
			<i>For Each SF Of Abrasive Surface Finish, Add</i>	0.35	
			<i>For Each LF Of Embedded Abrasive Strips, Add</i>	0.56	
			<i>For Each LF Of Abrasive Metal Nosing, Add</i>	3.90	
			<i>For Each SF Of Landings, Add</i>	1.50	
09 66 13 19-0014			Divider Strips (09 66 13 19)		
09 66 13 19-0015	LF		1-1/4" Deep, 14 Gauge, Zinc Plated Steel, Divider Strip.....	4.08	0.82
09 66 13 19-0016	LF		1-1/4" Deep, 14 Gauge, Brass, Divider Strip.....	4.30	0.82
09 66 13 19-0017	LF		1-1/4" Deep, 1/4" Thick, Zinc Plated Steel, Heavy Top Strip	6.24	0.82
09 66 13 19-0018	LF		1-1/4" Deep, 1/4" Thick, Galvanized Steel Bottom, Brass, Heavy Top Strip.....	9.02	0.82
09 66 13 19-0019	LF		1/2" x 1/2", 16 Gauge, Zinc Plated Steel, Divider Strip For Thin Set Floors.....	3.97	0.82
09 66 13 19-0020	LF		1/2" x 1/2", 16 Gauge, Brass, Divider Strip For Thin Set Floors.....	5.73	0.82
09 66 13 19-0021	LF		Vinyl Plastic, Divider Strip For Floor.....	3.80	0.82
09 66 16			Terrazzo Floor Tile (09 66)		
09 66 16 13			Portland Cement Terrazzo Floor Tile (09 66 16)		
09 66 16 13-0001			Flooring Tiles (09 66 16 13)		
			Note: Gray cement setting bed 3/16" polyester matrix or 1/2" cement matrix 12" x 12".		
09 66 16 13-0002			Terrazzo Tiles With Non Slip Surface (09 66 16 13-0001)		
09 66 16 13-0003	SF		9" x 9" x 1" Non Slip Precast Terrazzo, Thin Set Floor Tile.....	26.26	2.43
			<i>For White Cement, Add</i>	0.36	
			<i>For Venetian Type Terrazzo, Add</i>	2.00	
09 66 16 13-0004	SF		12" x 12" x 1" Non Slip Precast Terrazzo, Thin Set Floor Tile.....	26.82	2.43
			<i>For White Cement, Add</i>	0.36	
			<i>For Venetian Type Terrazzo, Add</i>	2.00	



Finishes	09	09
Flooring	09 60	
Terrazzo Flooring	09 66	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 16 13-0005 SF 12" x 12" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	31.05 0.36 2.00	2.43
09 66 16 13-0006 SF 18" x 18" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	33.19 0.36 2.00	2.43
09 66 16 13-0007 SF 24" x 24" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	34.72 0.36 2.00	2.43
09 66 16 13-0008 Terrazzo Tile Thin Set (09 66 16 13-0001)		
09 66 16 13-0009 SF Precast Terrazzo, 1/4"-1/2" Chips Floor Tiles, Thin Set Gray Cement Bed <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	25.99 0.36 2.00	2.43
09 66 16 13-0010 SF Precast Terrazzo, 3/8"-1" Chips Floor Tiles, Thin Set Gray Cement Bed <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	27.71 0.36 2.00	2.43
09 66 16 13-0011 Thin Set Terrazzo Wainscot (09 66 16 13-0001)		
09 66 16 13-0012 SF 12" x 12" x 1" Terrazzo Tile Wainscot Thin Set..... <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	40.83 0.50 1.00	5.23
09 66 16 13-0013 SF 18" x 18" x 1-1/2" Terrazzo Tile Wainscot Thin Set <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	46.56 0.50 1.00	5.23
09 66 16 13-0014 Thin Set Terrazzo Base, Gray Cement (09 66 16 13-0001)		
09 66 16 13-0015 LF 6" High, Straight Terrazzo Base Thin Set, Gray Cement <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	13.64 0.50 1.00	2.61
09 66 16 13-0016 LF 6" High, Cove Terrazzo Base Thin Set, Gray Cement..... <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	15.23 0.50 1.00	2.61
09 66 16 13-0017 LF 8" High, Straight Terrazzo Base Thin Set, Gray Cement <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	15.88 0.50 1.00	2.61
09 66 16 13-0018 LF 8" High, Cove Terrazzo Base Thin Set, Gray Cement..... <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	16.68 0.50 1.00	2.61
09 66 16 13-0019 Terrazzo Curbs (09 66 16 13-0001)		
09 66 16 13-0020 LF 8" x 8" Curb, Terrazzo Tile..... <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	27.37 0.50 1.00	3.48
09 66 16 13-0021 LF 6" x 6" Curb, Terrazzo Tile..... <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	26.57 0.50 1.00	3.48
09 66 16 13-0022 Precast Terrazzo Stair Treads 12" Wide (09 66 16 13-0001)		
09 66 16 13-0023 LF 1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Diamond Pattern	66.14	3.48
09 66 16 13-0024 LF 1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Non Slip Surface	56.58	3.48
09 66 16 13-0025 LF 2" Precast Terrazzo Straight Stair Tread	50.20	3.48
09 66 16 13-0026 LF 2" Precast Terrazzo Curved Stair Tread.....	58.77	3.48
09 66 16 13-0027 Stair Risers, 1" Thick To 6" High, Straight (09 66 16 13-0001)		
09 66 16 13-0028 LF 1"-6" High Precast Terrazzo Stair Riser Straight Section, Thin Set	30.01	2.61
09 66 16 13-0029 LF 1"-6" High Precast Terrazzo Stair Riser Straight Cove Section, Thin Set.....	34.79	2.61
09 66 16 13-0030 Stair Risers, 1" Thick To 6" High, Curved (09 66 16 13-0001)		
09 66 16 13-0031 LF 1" To 6" High Precast Terrazzo Stair Riser Curved Vertical Section, Thin Set	44.15	2.61
09 66 16 13-0032 LF 1" To 6" High Precast Terrazzo Stair Riser Curved Cove Section, Thin Set.....	47.33	2.61
09 66 16 13-0033 Tread And Riser (09 66 16 13)		
09 66 16 13-0034 Stair Stringers, Notched For Treads And Risers (09 66 16 13-0033)		
09 66 16 13-0035 LF 1" Precast Terrazzo Stair Stringers Notched For Treads And Risers	73.99	6.97
09 66 16 13-0036 LF 2" Precast Terrazzo Stair Stringers Notched For Treads And Risers	89.29	6.97
09 66 16 13-0037 Structural Non-Slip Landings (09 66 16 13-0033)		
09 66 16 13-0038 SF 1-1/2" Thick Precast Terrazzo Stair Landing Structural, Non Slip.....	53.26	3.48
09 66 16 13-0039 SF 3" Thick Precast Terrazzo Stair Landing Structural, Non Slip.....	65.53	3.48

09	09 Finishes
	09 60 Flooring
	09 66 Terrazzo Flooring



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 16 13-0040 Combined Tread And Riser <small>(09 66 16 13-0033)</small>		
09 66 16 13-0041 Straight Sections <small>(09 66 16 13-0040)</small>		
09 66 16 13-0042 LF Precast Terrazzo Stair Tread And Riser 1-1/2" Tread, 3/4" Riser, Straight Section.....	116.07	6.97
09 66 16 13-0043 LF Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Straight Section.....	138.39	6.97
09 66 16 13-0044 Curved Sections <small>(09 66 16 13-0040)</small>		
09 66 16 13-0045 LF Precast Terrazzo Stair Tread And Riser 2" Tread, 1" Riser, Curved Section.....	145.40	6.97
09 66 16 13-0046 LF Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Curved Section.....	183.66	6.97
09 66 23 Resinous Matrix Terrazzo Flooring <small>(09 66)</small>		
09 66 23 16 Epoxy-Resin Terrazzo Flooring <small>(09 66 23)</small>		
09 66 23 16-0001 Epoxy Terrazzo <small>(09 66 23 16)</small>		
09 66 23 16-0002 SF Chemical Resistant Epoxy Terrazzo, 1/4" Thick	21.57	2.46
09 66 33 Conductive Terrazzo Flooring <small>(09 66)</small>		
Note: For anti-static areas.		
09 66 33 13 Conductive Epoxy-Resin Terrazzo <small>(09 66 33)</small>		
09 66 33 13-0001 SF Terrazzo, Epoxy System, Floor Sparkproof, Conductive, Industrial.....	22.96	4.35
09 66 33 13-0002 SF Terrazzo, Epoxy System, Base Sparkproof, Conductive, Industrial.....	41.78	4.35
09 66 33 16 Conductive Polyester-Resin Terrazzo Flooring <small>(09 66 33)</small>		
09 66 33 16-0001 SF Terrazzo, Polyester System, Floor Sparkproof, Conductive, Industrial.....	17.55	4.35
09 66 33 16-0002 SF Terrazzo, Polyester System, Base Sparkproof, Conductive, Industrial.....	30.15	4.35
09 66 33 19 Conductive Plastic-Matrix Terrazzo Flooring <small>(09 66 33)</small>		
09 66 33 19-0001 SF Terrazzo, Polyacrylate System, Floor Sparkproof, Conductive, Industrial	19.61	4.35
09 66 33 19-0002 SF Terrazzo, Polyacrylate System, Base Sparkproof, Conductive, Industrial	37.63	4.35
09 66 33 19-0003 SF Terrazzo, Synthetic Latex Mastic System, Floor Sparkproof, Conductive, Industrial	28.45	4.35
09 66 33 19-0004 SF Terrazzo, Synthetic Latex Mastic System, Base Sparkproof, Conductive, Industrial	32.30	4.35
09 67 Fluid-Applied Flooring <small>(09 60)</small>		
09 67 16 Epoxy-Marble Chip Flooring <small>(09 67)</small>		
09 67 16 00-0001 Epoxy Marble Chip Flooring <small>(09 67 16)</small>		
09 67 16 00-0002 SF Epoxy Marble Floor With Colored Quartz Chips In 1/4" Base.....	12.21	2.46
For Skid Resistant Abrasive Sand Finish, Add	0.05	
For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.05	
09 67 16 00-0003 SF Epoxy Marble Chip Floor, Topping 3/16" Thick, Heavy Duty Epoxy	12.88	2.46
For Skid Resistant Abrasive Sand Finish, Add	0.05	
For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.05	
09 67 29 Epoxy Flooring <small>(09 67)</small>		
09 67 29 00-0001 Epoxy Flooring <small>(09 67 29)</small>		
Note: Includes primer and topcoats (assorted colors), existing floor preparation of sand or bead blasting, degreasing and cleaning of existing floor system prior to application if applied directly to floor. Excludes floor patching, saw cutting joints, additional grinding of existing floor, leveling of floor, removal of existing floor or tiles, and applied markings or stripes.		
09 67 29 00-0002 SF Epoxy Flooring Trowel Applied Mortar Compound, 3/16" Heavy Duty (6,000 - 7,500 PSI).....	10.53	5.58
For Skid Resistant Abrasive Sand Finish, Add	0.04	
For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.04	
For Up To 500, Add	1.98	
For >500 To 1,000, Add	1.25	
For >1,000 To 2,000, Add	0.63	
09 67 29 00-0003 SF Epoxy Flooring Trowel Applied Mortar Compound, 3/16", Chemical Resistant (10,000 - 12,000 PSI)	15.34	5.58
For Skid Resistant Abrasive Sand Finish, Add	0.09	
For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.09	
For Up To 500, Add	3.18	
For >500 To 1,000, Add	1.97	
For >1,000 To 2,000, Add	0.99	
09 67 29 00-0004 SF Epoxy Flooring Trowel Applied Mortar Compound, 1/4" Heavy Duty (6,000 - 7,500 PSI).....	11.92	6.23
For Skid Resistant Abrasive Sand Finish, Add	0.04	
For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.04	
For Up To 500, Add	2.23	
For >500 To 1,000, Add	1.41	
For >1,000 To 2,000, Add	0.71	



Finishes	09	
Flooring	09 60	09
Fluid-Applied Flooring	09 67	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 67 29 00-0005	SF		Epoxy Flooring Trowel Applied Mortar Compound, 1/4", Chemical Resistant (10,000 - 12,000 PSI)	17.42	6.23
			<i>For Skid Resistant Abrasive Sand Finish, Add</i>	0.10	
			<i>For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add</i>	0.10	
			<i>For Up To 500, Add</i>	3.61	
			<i>For >500 To 1,000, Add</i>	2.24	
			<i>For >1,000 To 2,000, Add</i>	1.12	
09 67 29 00-0006	SF		Epoxy Flooring Trowel Applied Mortar Compound, 3/8" Heavy Duty (6,000 - 7,500 PSI).....	13.33	6.97
			<i>For Skid Resistant Abrasive Sand Finish, Add</i>	0.05	
			<i>For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add</i>	0.05	
			<i>For Up To 500, Add</i>	2.51	
			<i>For >500 To 1,000, Add</i>	1.59	
			<i>For >1,000 To 2,000, Add</i>	0.79	
09 67 29 00-0007	SF		Epoxy Flooring Trowel Applied Mortar Compound, 3/8", Chemical Resistant (10,000 - 12,000 PSI)	19.17	6.97
			<i>For Skid Resistant Abrasive Sand Finish, Add</i>	0.11	
			<i>For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add</i>	0.11	
			<i>For Up To 500, Add</i>	3.97	
			<i>For >500 To 1,000, Add</i>	2.47	
			<i>For >1,000 To 2,000, Add</i>	1.23	

09 68 Carpeting (09 60)

Note: No VOC carpet and adhesives. Includes tack strips, glue and floor fastenings as required and vacuuming.

09 68 13 Tile Carpeting (09 68)

09 68 13 00-0001 Tufted Carpet Tiles (09 68 13)

Note: Level-loop pile or textured-loop pile carpet tiles. Includes glue or peel and stick backing.

09 68 13 00-0002 Non-Patterned Carpet Tiles (09 68 13 00-0001)

09 68 13 00-0003	SY		18 Ounce, Non Patterned, Nylon Carpet Tile.....	35.99	6.04
			<i>For >200 To 400, Deduct</i>	-0.42	
			<i>For >400 To 600, Deduct</i>	-0.64	
			<i>For >600 To 900, Deduct</i>	-1.28	
			<i>For >900 To 1,500, Deduct</i>	-1.93	
			<i>For >1,500 To 2,200, Deduct</i>	-2.86	
			<i>For >2,200 To 3,500, Deduct</i>	-3.76	
			<i>For >3,500, Deduct</i>	-4.66	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0004	SY		20 Ounce, Non Patterned, Nylon Carpet Tile.....	37.27	6.04
			<i>For >200 To 400, Deduct</i>	-0.45	
			<i>For >400 To 600, Deduct</i>	-0.67	
			<i>For >600 To 900, Deduct</i>	-1.35	
			<i>For >900 To 1,500, Deduct</i>	-2.02	
			<i>For >1,500 To 2,200, Deduct</i>	-2.99	
			<i>For >2,200 To 3,500, Deduct</i>	-3.92	
			<i>For >3,500, Deduct</i>	-4.85	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0005	SY		22 Ounce, Non Patterned, Nylon Carpet Tile.....	41.35	6.04
			<i>For >200 To 400, Deduct</i>	-0.53	
			<i>For >400 To 600, Deduct</i>	-0.80	
			<i>For >600 To 900, Deduct</i>	-1.55	
			<i>For >900 To 1,500, Deduct</i>	-2.30	
			<i>For >1,500 To 2,200, Deduct</i>	-3.40	
			<i>For >2,200 To 3,500, Deduct</i>	-4.43	
			<i>For >3,500, Deduct</i>	-5.46	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0006	SY		24 Ounce, Non Patterned, Nylon Carpet Tile.....	45.33	6.04
			<i>For >200 To 400, Deduct</i>	-0.61	
			<i>For >400 To 600, Deduct</i>	-0.92	
			<i>For >600 To 900, Deduct</i>	-1.75	
			<i>For >900 To 1,500, Deduct</i>	-2.58	
			<i>For >1,500 To 2,200, Deduct</i>	-3.79	
			<i>For >2,200 To 3,500, Deduct</i>	-4.93	
			<i>For >3,500, Deduct</i>	-6.06	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0007	SY		26 Ounce, Non Patterned, Nylon Carpet Tile.....	47.66	6.04
			<i>For >200 To 400, Deduct</i>	-0.66	
			<i>For >400 To 600, Deduct</i>	-0.99	
			<i>For >600 To 900, Deduct</i>	-1.87	
			<i>For >900 To 1,500, Deduct</i>	-2.74	
			<i>For >1,500 To 2,200, Deduct</i>	-4.03	
			<i>For >2,200 To 3,500, Deduct</i>	-5.22	
			<i>For >3,500, Deduct</i>	-6.41	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0008	SY		28 Ounce, Non Patterned, Nylon Carpet Tile.....	50.04	6.04
			<i>For >200 To 400, Deduct</i>	-0.71	
			<i>For >400 To 600, Deduct</i>	-1.06	
			<i>For >600 To 900, Deduct</i>	-1.98	
			<i>For >900 To 1,500, Deduct</i>	-2.91	
			<i>For >1,500 To 2,200, Deduct</i>	-4.26	
			<i>For >2,200 To 3,500, Deduct</i>	-5.52	
			<i>For >3,500, Deduct</i>	-6.77	
			<i>For Cushion Backed Tile, Add</i>	6.00	

09 Finishes

09 60 Flooring

09 68 Carpeting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0009	SY		30 Ounce, Non Patterned, Nylon Carpet Tile.....	50.74	6.04
			<i>For >200 To 400, Deduct</i>	-0.72	
			<i>For >400 To 600, Deduct</i>	-1.08	
			<i>For >600 To 900, Deduct</i>	-2.02	
			<i>For >900 To 1,500, Deduct</i>	-2.96	
			<i>For >1,500 To 2,200, Deduct</i>	-4.33	
			<i>For >2,200 To 3,500, Deduct</i>	-5.60	
			<i>For >3,500, Deduct</i>	-6.87	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0010	SY		32 Ounce, Non Patterned, Nylon Carpet Tile.....	51.19	6.04
			<i>For >200 To 400, Deduct</i>	-0.73	
			<i>For >400 To 600, Deduct</i>	-1.09	
			<i>For >600 To 900, Deduct</i>	-2.04	
			<i>For >900 To 1,500, Deduct</i>	-2.99	
			<i>For >1,500 To 2,200, Deduct</i>	-4.38	
			<i>For >2,200 To 3,500, Deduct</i>	-5.66	
			<i>For >3,500, Deduct</i>	-6.94	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0011	SY		34 Ounce, Non Patterned, Nylon Carpet Tile.....	51.56	6.04
			<i>For >200 To 400, Deduct</i>	-0.74	
			<i>For >400 To 600, Deduct</i>	-1.10	
			<i>For >600 To 900, Deduct</i>	-2.06	
			<i>For >900 To 1,500, Deduct</i>	-3.02	
			<i>For >1,500 To 2,200, Deduct</i>	-4.42	
			<i>For >2,200 To 3,500, Deduct</i>	-5.71	
			<i>For >3,500, Deduct</i>	-6.99	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0012	SY		36 Ounce, Non Patterned, Nylon Carpet Tile.....	52.83	6.04
			<i>For >200 To 400, Deduct</i>	-0.76	
			<i>For >400 To 600, Deduct</i>	-1.14	
			<i>For >600 To 900, Deduct</i>	-2.12	
			<i>For >900 To 1,500, Deduct</i>	-3.11	
			<i>For >1,500 To 2,200, Deduct</i>	-4.54	
			<i>For >2,200 To 3,500, Deduct</i>	-5.86	
			<i>For >3,500, Deduct</i>	-7.19	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0013	SY		38 Ounce, Non Patterned, Nylon Carpet Tile.....	55.35	6.04
			<i>For >200 To 400, Deduct</i>	-0.81	
			<i>For >400 To 600, Deduct</i>	-1.22	
			<i>For >600 To 900, Deduct</i>	-2.25	
			<i>For >900 To 1,500, Deduct</i>	-3.28	
			<i>For >1,500 To 2,200, Deduct</i>	-4.80	
			<i>For >2,200 To 3,500, Deduct</i>	-6.18	
			<i>For >3,500, Deduct</i>	-7.56	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0014	SY		40 Ounce, Non Patterned, Nylon Carpet Tile.....	58.05	6.04
			<i>For >200 To 400, Deduct</i>	-0.87	
			<i>For >400 To 600, Deduct</i>	-1.30	
			<i>For >600 To 900, Deduct</i>	-2.38	
			<i>For >900 To 1,500, Deduct</i>	-3.47	
			<i>For >1,500 To 2,200, Deduct</i>	-5.07	
			<i>For >2,200 To 3,500, Deduct</i>	-6.52	
			<i>For >3,500, Deduct</i>	-7.97	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0015	SY		42 Ounce, Non Patterned, Nylon Carpet Tile.....	63.24	6.04
			<i>For >200 To 400, Deduct</i>	-0.97	
			<i>For >400 To 600, Deduct</i>	-1.45	
			<i>For >600 To 900, Deduct</i>	-2.64	
			<i>For >900 To 1,500, Deduct</i>	-3.84	
			<i>For >1,500 To 2,200, Deduct</i>	-5.58	
			<i>For >2,200 To 3,500, Deduct</i>	-7.17	
			<i>For >3,500, Deduct</i>	-8.75	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0016	SY		Installation Of Owner Provided Non Patterned Carpet Tiles.....	14.52	
09 68 13 00-0017			Patterned Carpet Tiles <small>(09 68 13 00-0001)</small>		
			Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.		
09 68 13 00-0018	SY		15 Ounce, Patterned, Nylon Carpet Tile.....	37.09	6.04
			<i>For >200 To 400, Deduct</i>	-0.42	
			<i>For >400 To 600, Deduct</i>	-0.62	
			<i>For >600 To 900, Deduct</i>	-1.29	
			<i>For >900 To 1,500, Deduct</i>	-1.95	
			<i>For >1,500 To 2,200, Deduct</i>	-2.90	
			<i>For >2,200 To 3,500, Deduct</i>	-3.82	
			<i>For >3,500, Deduct</i>	-4.75	
			<i>For Cushion Backed Tile, Add</i>	6.00	



	Finishes	09
	Flooring	09 60
	Carpeting	09 68

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68	13 00-0019	SY	18 Ounce, Patterned, Nylon Carpet Tile	37.77	6.04
			<i>For >200 To 400, Deduct</i>	-0.43	
			<i>For >400 To 600, Deduct</i>	-0.65	
			<i>For >600 To 900, Deduct</i>	-1.32	
			<i>For >900 To 1,500, Deduct</i>	-1.99	
			<i>For >1,500 To 2,200, Deduct</i>	-2.96	
			<i>For >2,200 To 3,500, Deduct</i>	-3.91	
			<i>For >3,500, Deduct</i>	-4.85	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68	13 00-0020	SY	20 Ounce, Patterned, Nylon Carpet Tile	39.08	6.04
			<i>For >200 To 400, Deduct</i>	-0.46	
			<i>For >400 To 600, Deduct</i>	-0.68	
			<i>For >600 To 900, Deduct</i>	-1.38	
			<i>For >900 To 1,500, Deduct</i>	-2.09	
			<i>For >1,500 To 2,200, Deduct</i>	-3.10	
			<i>For >2,200 To 3,500, Deduct</i>	-4.07	
			<i>For >3,500, Deduct</i>	-5.05	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68	13 00-0021	SY	22 Ounce, Patterned, Nylon Carpet Tile	43.22	6.04
			<i>For >200 To 400, Deduct</i>	-0.54	
			<i>For >400 To 600, Deduct</i>	-0.81	
			<i>For >600 To 900, Deduct</i>	-1.59	
			<i>For >900 To 1,500, Deduct</i>	-2.38	
			<i>For >1,500 To 2,200, Deduct</i>	-3.51	
			<i>For >2,200 To 3,500, Deduct</i>	-4.59	
			<i>For >3,500, Deduct</i>	-5.67	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68	13 00-0022	SY	24 Ounce, Patterned, Nylon Carpet Tile	47.26	6.04
			<i>For >200 To 400, Deduct</i>	-0.62	
			<i>For >400 To 600, Deduct</i>	-0.93	
			<i>For >600 To 900, Deduct</i>	-1.79	
			<i>For >900 To 1,500, Deduct</i>	-2.66	
			<i>For >1,500 To 2,200, Deduct</i>	-3.91	
			<i>For >2,200 To 3,500, Deduct</i>	-5.09	
			<i>For >3,500, Deduct</i>	-6.28	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68	13 00-0023	SY	26 Ounce, Patterned, Nylon Carpet Tile	49.62	6.04
			<i>For >200 To 400, Deduct</i>	-0.67	
			<i>For >400 To 600, Deduct</i>	-1.00	
			<i>For >600 To 900, Deduct</i>	-1.91	
			<i>For >900 To 1,500, Deduct</i>	-2.82	
			<i>For >1,500 To 2,200, Deduct</i>	-4.15	
			<i>For >2,200 To 3,500, Deduct</i>	-5.39	
			<i>For >3,500, Deduct</i>	-6.63	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68	13 00-0024	SY	28 Ounce, Patterned, Nylon Carpet Tile	52.04	6.04
			<i>For >200 To 400, Deduct</i>	-0.72	
			<i>For >400 To 600, Deduct</i>	-1.07	
			<i>For >600 To 900, Deduct</i>	-2.03	
			<i>For >900 To 1,500, Deduct</i>	-2.99	
			<i>For >1,500 To 2,200, Deduct</i>	-4.39	
			<i>For >2,200 To 3,500, Deduct</i>	-5.69	
			<i>For >3,500, Deduct</i>	-6.99	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68	13 00-0025	SY	30 Ounce, Patterned, Nylon Carpet Tile	52.75	6.04
			<i>For >200 To 400, Deduct</i>	-0.73	
			<i>For >400 To 600, Deduct</i>	-1.09	
			<i>For >600 To 900, Deduct</i>	-2.07	
			<i>For >900 To 1,500, Deduct</i>	-3.04	
			<i>For >1,500 To 2,200, Deduct</i>	-4.46	
			<i>For >2,200 To 3,500, Deduct</i>	-5.78	
			<i>For >3,500, Deduct</i>	-7.10	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68	13 00-0026	SY	32 Ounce, Patterned, Nylon Carpet Tile	53.20	6.04
			<i>For >200 To 400, Deduct</i>	-0.74	
			<i>For >400 To 600, Deduct</i>	-1.11	
			<i>For >600 To 900, Deduct</i>	-2.09	
			<i>For >900 To 1,500, Deduct</i>	-3.07	
			<i>For >1,500 To 2,200, Deduct</i>	-4.51	
			<i>For >2,200 To 3,500, Deduct</i>	-5.84	
			<i>For >3,500, Deduct</i>	-7.17	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68	13 00-0027	SY	34 Ounce, Patterned, Nylon Carpet Tile	53.58	6.04
			<i>For >200 To 400, Deduct</i>	-0.75	
			<i>For >400 To 600, Deduct</i>	-1.12	
			<i>For >600 To 900, Deduct</i>	-2.11	
			<i>For >900 To 1,500, Deduct</i>	-3.10	
			<i>For >1,500 To 2,200, Deduct</i>	-4.55	
			<i>For >2,200 To 3,500, Deduct</i>	-5.88	
			<i>For >3,500, Deduct</i>	-7.22	
			<i>For Cushion Backed Tile, Add</i>	6.00	

09 Finishes

09 60 Flooring

09 68 Carpeting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0028	SY		36 Ounce, Patterned, Nylon Carpet Tile	54.87	6.04
			<i>For >200 To 400, Deduct</i>	-0.77	
			<i>For >400 To 600, Deduct</i>	-1.16	
			<i>For >600 To 900, Deduct</i>	-2.17	
			<i>For >900 To 1,500, Deduct</i>	-3.19	
			<i>For >1,500 To 2,200, Deduct</i>	-4.67	
			<i>For >2,200 To 3,500, Deduct</i>	-6.05	
			<i>For >3,500, Deduct</i>	-7.42	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0029	SY		38 Ounce, Patterned, Nylon Carpet Tile	57.42	6.04
			<i>For >200 To 400, Deduct</i>	-0.82	
			<i>For >400 To 600, Deduct</i>	-1.23	
			<i>For >600 To 900, Deduct</i>	-2.30	
			<i>For >900 To 1,500, Deduct</i>	-3.37	
			<i>For >1,500 To 2,200, Deduct</i>	-4.93	
			<i>For >2,200 To 3,500, Deduct</i>	-6.36	
			<i>For >3,500, Deduct</i>	-7.80	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0030	SY		40 Ounce, Patterned, Nylon Carpet Tile	60.17	6.04
			<i>For >200 To 400, Deduct</i>	-0.88	
			<i>For >400 To 600, Deduct</i>	-1.32	
			<i>For >600 To 900, Deduct</i>	-2.44	
			<i>For >900 To 1,500, Deduct</i>	-3.56	
			<i>For >1,500 To 2,200, Deduct</i>	-5.20	
			<i>For >2,200 To 3,500, Deduct</i>	-6.71	
			<i>For >3,500, Deduct</i>	-8.21	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0031	SY		42 Ounce, Patterned, Nylon Carpet Tile	65.44	6.04
			<i>For >200 To 400, Deduct</i>	-0.98	
			<i>For >400 To 600, Deduct</i>	-1.48	
			<i>For >600 To 900, Deduct</i>	-2.70	
			<i>For >900 To 1,500, Deduct</i>	-3.93	
			<i>For >1,500 To 2,200, Deduct</i>	-5.73	
			<i>For >2,200 To 3,500, Deduct</i>	-7.37	
			<i>For >3,500, Deduct</i>	-9.00	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0032	SY		Installation Of Owner Provided Patterned Carpet Tiles.....	16.67	
09 68 13 00-0033			ESD Static Control Carpet Tiles (StaticSmart Mission Critical Discovery ECO Series) <small>(09 68 13 00-0001)</small>		
			Note: Includes conductive ESD releasable adhesive and grounding clips.		
09 68 13 00-0034	SY		24 Ounce, ESD Static Control, Non-Patterned, Nylon Carpet Tile (StaticSmart Mission Critical Discovery ECO Series)	59.22	6.04
			<i>For >200 To 400, Deduct</i>	-0.86	
			<i>For >400 To 600, Deduct</i>	-1.29	
			<i>For >600 To 900, Deduct</i>	-2.39	
			<i>For >900 To 1,500, Deduct</i>	-3.50	
			<i>For >1,500 To 2,200, Deduct</i>	-5.11	
			<i>For >2,200 To 3,500, Deduct</i>	-6.59	
			<i>For >3,500, Deduct</i>	-8.07	
09 68 16			Sheet Carpeting <small>(09 68)</small>		
			Note: Weights shown are face weight excluding backing weight and excludes padding. Demolition of carpet includes removal of glue if required. Residential carpet backing basis is for padding and commercial carpet backing is for glue down.		
09 68 16 00-0001			Carpet Cushion <small>(09 68 16)</small>		
09 68 16 00-0002			Carpet Pads <small>(09 68 16 00-0001)</small>		
09 68 16 00-0003	SY		Foam Rubber Carpet Padding	6.54	2.56
09 68 16 00-0004	SY		Sponge Rubber Carpet Cushion	6.39	2.56
09 68 16 00-0005	SY		Urethane Carpet Cushion 1/4" Thick	6.54	2.56
09 68 16 00-0006	SY		Urethane Carpet Cushion 3/8" Thick	7.17	2.56
09 68 16 00-0007	SY		7/16" Thick, Rebonded, 6 LB/CF	6.66	2.56
09 68 16 00-0008	SY		3/8" Thick, Rebonded, 7 LB/CF	6.94	2.56
09 68 16 00-0009	SY		1/2" Thick, Rebonded, 8 LB/CF	7.35	2.56
09 68 16 00-0010			Residential Broadloom Carpet <small>(09 68 16)</small>		
			Note: Includes tacks. See CSI section 09 68 16 00-0001 for padding.		
09 68 16 00-0011	SY		25 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	28.62	6.81
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	3.02	
			<i>For Up To 15, Add</i>	3.50	
			<i>For >15 To 33, Add</i>	1.75	
			<i>For >200 To 400, Deduct</i>	-0.22	
			<i>For >400 To 600, Deduct</i>	-0.33	
			<i>For >600 To 900, Deduct</i>	-0.82	
			<i>For >900, Deduct</i>	-1.30	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	



Finishes	09	
Flooring	09 60	09
Carpeting	09 68	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0012 SY 30 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	31.24	6.81
For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	3.02	
For Up To 15, Add	3.50	
For >15 To 33, Add	1.75	
For >200 To 400, Deduct	-0.28	
For >400 To 600, Deduct	-0.41	
For >600 To 900, Deduct	-0.95	
For >900, Deduct	-1.49	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0013 SY 32 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	34.84	6.81
For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	3.02	
For Up To 15, Add	3.50	
For >15 To 33, Add	1.75	
For >200 To 400, Deduct	-0.35	
For >400 To 600, Deduct	-0.52	
For >600 To 900, Deduct	-1.13	
For >900, Deduct	-1.74	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0014 SY 34 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	38.60	6.81
For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	3.02	
For Up To 15, Add	3.50	
For >15 To 33, Add	1.75	
For >200 To 400, Deduct	-0.42	
For >400 To 600, Deduct	-0.63	
For >600 To 900, Deduct	-1.32	
For >900, Deduct	-2.00	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0015 SY 40 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	39.26	6.81
For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	3.02	
For Up To 15, Add	3.50	
For >15 To 33, Add	1.75	
For >200 To 400, Deduct	-0.44	
For >400 To 600, Deduct	-0.65	
For >600 To 900, Deduct	-1.35	
For >900, Deduct	-2.05	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0016 SY 45 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	40.78	7.49
For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	3.20	
For Up To 15, Add	3.73	
For >15 To 33, Add	1.87	
For >200 To 400, Deduct	-0.44	
For >400 To 600, Deduct	-0.66	
For >600 To 900, Deduct	-1.39	
For >900, Deduct	-2.11	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0017 SY 48 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	41.90	7.49
For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	3.20	
For Up To 15, Add	3.73	
For >15 To 33, Add	1.87	
For >200 To 400, Deduct	-0.47	
For >400 To 600, Deduct	-0.70	
For >600 To 900, Deduct	-1.44	
For >900, Deduct	-2.19	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0018 SY 50 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	44.69	7.49
For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	3.20	
For Up To 15, Add	3.73	
For >15 To 33, Add	1.87	
For >200 To 400, Deduct	-0.52	
For >400 To 600, Deduct	-0.78	
For >600 To 900, Deduct	-1.58	
For >900, Deduct	-2.38	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0019 SY 60 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	45.01	7.49
For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	3.20	
For Up To 15, Add	3.73	
For >15 To 33, Add	1.87	
For >200 To 400, Deduct	-0.53	
For >400 To 600, Deduct	-0.79	
For >600 To 900, Deduct	-1.60	
For >900, Deduct	-2.40	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0020 SY 65 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	46.32	7.49
For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	3.20	
For Up To 15, Add	3.73	
For >15 To 33, Add	1.87	
For >200 To 400, Deduct	-0.55	
For >400 To 600, Deduct	-0.83	
For >600 To 900, Deduct	-1.66	
For >900, Deduct	-2.50	
For Installation On Stairs, Each Riser, Add	6.00	

09 68 16 00-0021 Commercial Broadloom Carpet (09 68 16)
 Note: Level-loop pile or textured-loop pile broadloom carpet.

09 68 16 00-0022 Non-Patterned Broadloom Carpet (09 68 16 00-0021)

09 Finishes**09 60 Flooring**

09 68 Carpeting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0023	SY		22 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet.....	35.31	24.76
			<i>For Up To 15, Add</i>	3.30	
			<i>For >15 To 33, Add</i>	1.65	
			<i>For >200 To 400, Deduct</i>	-0.38	
			<i>For >400 To 600, Deduct</i>	-0.56	
			<i>For >600 To 900, Deduct</i>	-1.19	
			<i>For >900, Deduct</i>	-1.81	
			<i>For Moisture Barrier Backing, Add</i>	3.50	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0024	SY		24 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet.....	35.31	24.76
			<i>For Up To 15, Add</i>	3.30	
			<i>For >15 To 33, Add</i>	1.65	
			<i>For >200 To 400, Deduct</i>	-0.38	
			<i>For >400 To 600, Deduct</i>	-0.56	
			<i>For >600 To 900, Deduct</i>	-1.19	
			<i>For >900, Deduct</i>	-1.81	
			<i>For Moisture Barrier Backing, Add</i>	3.50	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0025	SY		26 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet.....	35.31	24.76
			<i>For Up To 15, Add</i>	3.30	
			<i>For >15 To 33, Add</i>	1.65	
			<i>For >200 To 400, Deduct</i>	-0.38	
			<i>For >400 To 600, Deduct</i>	-0.56	
			<i>For >600 To 900, Deduct</i>	-1.19	
			<i>For >900, Deduct</i>	-1.81	
			<i>For Moisture Barrier Backing, Add</i>	3.50	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0026	SY		28 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet.....	38.26	26.83
			<i>For Up To 15, Add</i>	3.58	
			<i>For >15 To 33, Add</i>	1.79	
			<i>For >200 To 400, Deduct</i>	-0.41	
			<i>For >400 To 600, Deduct</i>	-0.61	
			<i>For >600 To 900, Deduct</i>	-1.29	
			<i>For >900, Deduct</i>	-1.96	
			<i>For Moisture Barrier Backing, Add</i>	3.50	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0027	SY		30 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet.....	38.84	26.83
			<i>For Up To 15, Add</i>	3.58	
			<i>For >15 To 33, Add</i>	1.79	
			<i>For >200 To 400, Deduct</i>	-0.42	
			<i>For >400 To 600, Deduct</i>	-0.63	
			<i>For >600 To 900, Deduct</i>	-1.32	
			<i>For >900, Deduct</i>	-2.00	
			<i>For Cut Pile Carpet, Add</i>	1.50	
			<i>For Moisture Barrier Backing, Add</i>	3.50	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0028	SY		32 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet.....	38.94	26.83
			<i>For Up To 15, Add</i>	3.58	
			<i>For >15 To 33, Add</i>	1.79	
			<i>For >200 To 400, Deduct</i>	-0.42	
			<i>For >400 To 600, Deduct</i>	-0.63	
			<i>For >600 To 900, Deduct</i>	-1.32	
			<i>For >900, Deduct</i>	-2.01	
			<i>For Cut Pile Carpet, Add</i>	1.50	
			<i>For Moisture Barrier Backing, Add</i>	3.50	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0029	SY		34 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet.....	42.61	28.89
			<i>For Up To 15, Add</i>	3.85	
			<i>For >15 To 33, Add</i>	1.93	
			<i>For >200 To 400, Deduct</i>	-0.47	
			<i>For >400 To 600, Deduct</i>	-0.70	
			<i>For >600 To 900, Deduct</i>	-1.46	
			<i>For >900, Deduct</i>	-2.21	
			<i>For Cut Pile Carpet, Add</i>	1.50	
			<i>For Moisture Barrier Backing, Add</i>	3.50	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0030	SY		36 Ounce, Heavy Traffic, Non Patterned, Nylon Broadloom Carpet.....	43.03	28.89
			<i>For Up To 15, Add</i>	3.85	
			<i>For >15 To 33, Add</i>	1.93	
			<i>For >200 To 400, Deduct</i>	-0.48	
			<i>For >400 To 600, Deduct</i>	-0.71	
			<i>For >600 To 900, Deduct</i>	-1.48	
			<i>For >900, Deduct</i>	-2.24	
			<i>For Cut Pile Carpet, Add</i>	1.50	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Moisture Barrier Backing, Add</i>	3.50	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	



	Finishes	09
	Flooring	09 60
	Carpeting	09 68

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0031	SY		38 Ounce, Heavy Traffic, Non Patterned, Nylon Broadloom Carpet.....	43.53	28.89
			<i>For Up To 15, Add</i>	3.85	
			<i>For >15 To 33, Add</i>	1.93	
			<i>For >200 To 400, Deduct</i>	-0.49	
			<i>For >400 To 600, Deduct</i>	-0.73	
			<i>For >600 To 900, Deduct</i>	-1.50	
			<i>For >900, Deduct</i>	-2.28	
			<i>For Cut Pile Carpet, Add</i>	1.50	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Moisture Barrier Backing, Add</i>	3.50	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0032			Patterned Broadloom Carpet <small>(09 68 16 00-0021)</small>		
			Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.		
09 68 16 00-0033	SY		22 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	37.24	24.76
			<i>For Up To 15, Add</i>	3.63	
			<i>For >15 To 33, Add</i>	1.82	
			<i>For >200 To 400, Deduct</i>	-0.38	
			<i>For >400 To 600, Deduct</i>	-0.57	
			<i>For >600 To 900, Deduct</i>	-1.23	
			<i>For >900, Deduct</i>	-1.88	
			<i>For Moisture Barrier Backing, Add</i>	3.50	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0034	SY		24 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	37.24	24.76
			<i>For Up To 15, Add</i>	3.63	
			<i>For >15 To 33, Add</i>	1.82	
			<i>For >200 To 400, Deduct</i>	-0.38	
			<i>For >400 To 600, Deduct</i>	-0.57	
			<i>For >600 To 900, Deduct</i>	-1.23	
			<i>For >900, Deduct</i>	-1.88	
			<i>For Moisture Barrier Backing, Add</i>	3.50	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0035	SY		26 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	37.24	24.76
			<i>For Up To 15, Add</i>	3.63	
			<i>For >15 To 33, Add</i>	1.82	
			<i>For >200 To 400, Deduct</i>	-0.38	
			<i>For >400 To 600, Deduct</i>	-0.57	
			<i>For >600 To 900, Deduct</i>	-1.23	
			<i>For >900, Deduct</i>	-1.88	
			<i>For Moisture Barrier Backing, Add</i>	3.50	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0036	SY		28 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	40.36	26.83
			<i>For Up To 15, Add</i>	3.93	
			<i>For >15 To 33, Add</i>	1.97	
			<i>For >200 To 400, Deduct</i>	-0.41	
			<i>For >400 To 600, Deduct</i>	-0.62	
			<i>For >600 To 900, Deduct</i>	-1.33	
			<i>For >900, Deduct</i>	-2.04	
			<i>For Moisture Barrier Backing, Add</i>	3.50	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0037	SY		30 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	40.95	26.83
			<i>For Up To 15, Add</i>	3.93	
			<i>For >15 To 33, Add</i>	1.97	
			<i>For >200 To 400, Deduct</i>	-0.43	
			<i>For >400 To 600, Deduct</i>	-0.64	
			<i>For >600 To 900, Deduct</i>	-1.36	
			<i>For >900, Deduct</i>	-2.08	
			<i>For Cut Pile Carpet, Add</i>	1.50	
			<i>For Moisture Barrier Backing, Add</i>	3.50	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0038	SY		32 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	41.05	26.83
			<i>For Up To 15, Add</i>	3.93	
			<i>For >15 To 33, Add</i>	1.97	
			<i>For >200 To 400, Deduct</i>	-0.43	
			<i>For >400 To 600, Deduct</i>	-0.64	
			<i>For >600 To 900, Deduct</i>	-1.36	
			<i>For >900, Deduct</i>	-2.09	
			<i>For Cut Pile Carpet, Add</i>	1.50	
			<i>For Moisture Barrier Backing, Add</i>	3.50	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0039	SY		34 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	44.88	28.89
			<i>For Up To 15, Add</i>	4.24	
			<i>For >15 To 33, Add</i>	2.12	
			<i>For >200 To 400, Deduct</i>	-0.47	
			<i>For >400 To 600, Deduct</i>	-0.71	
			<i>For >600 To 900, Deduct</i>	-1.50	
			<i>For >900, Deduct</i>	-2.29	
			<i>For Cut Pile Carpet, Add</i>	1.50	
			<i>For Moisture Barrier Backing, Add</i>	3.50	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	

09	09	Finishes
	09 60	Flooring
	09 68	Carpeting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0040	SY		36 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet.....	45.31	28.89
			<i>For Up To 15, Add</i>	4.24	
			<i>For >15 To 33, Add</i>	2.12	
			<i>For >200 To 400, Deduct</i>	-0.48	
			<i>For >400 To 600, Deduct</i>	-0.72	
			<i>For >600 To 900, Deduct</i>	-1.52	
			<i>For >900, Deduct</i>	-2.32	
			<i>For Cut Pile Carpet, Add</i>	1.50	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Moisture Barrier Backing, Add</i>	3.50	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0041	SY		38 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet.....	45.82	28.89
			<i>For Up To 15, Add</i>	4.24	
			<i>For >15 To 33, Add</i>	2.12	
			<i>For >200 To 400, Deduct</i>	-0.49	
			<i>For >400 To 600, Deduct</i>	-0.74	
			<i>For >600 To 900, Deduct</i>	-1.55	
			<i>For >900, Deduct</i>	-2.36	
			<i>For Cut Pile Carpet, Add</i>	1.50	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Moisture Barrier Backing, Add</i>	3.50	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0042			Indoor/Outdoor Carpet (09 68 16) Note: Includes waterproof glue.		
09 68 16 00-0043	SY		Nylon Indoor/Outdoor Carpet.....	32.56	5.12
09 68 16 00-0044	SY		Ozite Indoor/Outdoor Carpet.....	27.16	5.12
09 68 16 00-0045			Carpet Accessories (09 68 16)		
09 68 16 00-0046	LF		Metal Carpet Saddle Strip, Up To 4" Wide.....	4.38	0.70
09 68 16 00-0047			Removal And Reinstallation Of Carpet And Pad (09 68 16) Note: Includes storage, cleaning and supply materials.		
09 68 16 00-0048	SY		Removal And Reinstallation Of Carpet And Pad.....	34.82	
09 68 16 00-0049			Carpeting Support Functions (09 68 16)		
09 68 16 00-0050			Relocate Partitions, Modular Work Stations (09 68 16 00-0049) Note: Includes disassembly and reassembly of work station. Excludes electrical disconnection or reconnection.		
09 68 16 00-0051	EA		Relocate Modular Work Station	245.44	
09 68 16 00-0052			Installation Of Owner Provided Broadloom Carpet (09 68 16)		
09 68 16 00-0053	SY		Up To 24 Oz, Installation Of Owner Provided Broadloom Carpet.....	14.58	
			Note: Includes adhesive for glue-down or tack strip for padded installations.		
			<i>For Up To 15, Add</i>	2.87	
			<i>For >15 To 33, Add</i>	1.44	
09 68 16 00-0054	SY		>24 To 34 Oz, Installation Of Owner Provided Broadloom Carpet.....	16.97	
			Note: Includes adhesive for glue-down or tack strip for padded installations.		
			<i>For Up To 15, Add</i>	3.35	
			<i>For >15 To 33, Add</i>	1.68	
09 68 16 00-0055	SY		>34 Oz, Installation Of Owner Provided Broadloom Carpet.....	20.32	
			Note: Includes adhesive for glue-down or tack strip for padded installations.		
			<i>For Up To 15, Add</i>	4.02	
			<i>For >15 To 33, Add</i>	2.01	
09 69			Access Flooring (09 60)		
09 69 13			Rigid-Grid Access Flooring (09 69)		
09 69 13 00-0001			Panels, No Covering (09 69 13)		
09 69 13 00-0002	SF		2' x 2' Panels - No Covering Access And Pedestal Floors.....	11.03	0.70
			<i>For Carpet Covering, Add</i>	2.77	
			<i>For Vinyl Floor Covering, Add</i>	1.91	
09 69 13 00-0003	SF		2' x 2' Perforated Panels Access And Pedestal Floors	20.68	0.70
			<i>For Carpet Covering, Add</i>	2.77	
			<i>For Vinyl Floor Covering, Add</i>	1.91	
09 69 13 00-0004	SF		Tate 1250AS Panel Cover UTP Designer Plus Color Raf Blue 7153T.....	19.27	0.77
09 69 13 00-0005	SF		Tate 1250AS Panel Cover UTP Designer Plus Color Sage Brown 7777T.....	19.27	0.77
09 69 13 00-0006	SF		Tate 1250AS Panel Cover UTP Designer Plus Color Moodance 6808.....	19.27	0.77
09 69 13 00-0007	SF		Tate 1250AS Panel Cover UTP Designer Plus Color Mosaic 6280.....	19.27	0.77
09 69 13 00-0008	SF		Tate 1250AS Panel Cover HPL 1/8" Nevamar ST2-2 Beige Star/Brown Trim.....	18.22	0.77
09 69 13 00-0009	SF		Tate 1250AS Panel Cover HPL 1/8" Nevamar ST6-1 Gray Star/Black Trim.....	18.22	0.77
09 69 13 00-0010	SF		Tate Concore 1500 Panel Cover UTP Designer Plus Color Raf Blue 7153T.....	20.57	0.77
09 69 13 00-0011	SF		Tate Concore 1500 Panel Cover UTP Designer Plus Color Sage Brown 7777T.....	20.57	0.77
09 69 13 00-0012	SF		Tate Concore 1500 Panel Cover UTP Designer Plus Color Moodance 6808.....	20.57	0.77
09 69 13 00-0013	SF		Tate Concore 1500 Panel Cover UTP Designer Plus Color Mosaic 6280.....	20.57	0.77
09 69 13 00-0014	SF		Tate Concore 1500 Panel Cover HPL 1/8" Nevamar ST-2 Beige Star/Brown Trim.....	19.53	0.77
09 69 13 00-0015	SF		Tate Concore 1500 Panel Cover HPL 1/8" Nevamar ST6-1 Grey Star/Black Trim.....	19.53	0.77



Finishes	09	9
Flooring	09 60	
Access Flooring	09 69	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 69 13 00-0016	SF		Tate 1250AS Perforated 25% O/A Cover 1/8 " Nevamar HPL ST2-2 Beige Star Trim.....	24.72	0.77
09 69 13 00-0017	SF		Tate 1250AS Perforated 25% O/A Cover 1/8 " Nevamar HPL ST6-1 Gray Star Trim	24.72	0.77
09 69 13 00-0018			Pedestals (09 69 13)		
09 69 13 00-0019	EA		6" To 12" Finished Floor Height, Pedestal Assembly.....	24.87	3.51
09 69 13 00-0020	EA		8" To 12" Finished Floor Height, Pedestal Assembly.....	26.17	3.51
09 69 13 00-0021	EA		18" To 24" Finished Floor Height, Pedestal Assembly.....	26.82	3.51
09 69 13 00-0022	EA		30" To 36" Finished Floor Height, Pedestal Assembly.....	29.19	3.51
09 69 13 00-0023			Stringers (09 69 13)		
09 69 13 00-0024	EA		2' Bolted Stringers, Access And Pedestal Floors.....	13.29	4.20
09 69 13 00-0025	EA		4' Bolted Stringers, Access And Pedestal Floors.....	22.80	6.31
09 69 13 00-0026	EA		6' Bolted Stringers, Access And Pedestal Floors.....	36.22	10.52
09 69 13 00-0027			Understructure (09 69 13)		
09 69 13 00-0028	SF		Standard Bolted Stringer Understructure 30" Or 36" Finished Floor Height.....	5.35	1.05
09 69 53			Access Flooring Accessories (09 69 53)		
09 69 53 00-0001			Accessories (09 69 53)		
09 69 53 00-0002	LF		Accessories, Handrail Access And Pedestal Floors	40.65	4.91
09 69 53 00-0003	LF		Accessories, Fascia Plate Access And Pedestal Floors.....	17.30	4.91
09 69 53 00-0004	EA		Machine Cutouts.....	133.92	
09 69 53 00-0005	SF		Hammered Aluminum Finish Fascia..... Note: Includes trim angles and hardware (8", 12", 18", 24").	29.60	2.32
09 69 53 00-0006	EA		Cut Hole In Raised Floor And Trim With Black 1/2" Trim Material	32.00	
09 69 53 00-0007	EA		Cut Round Hole In Raised Floor And Trim Carpet Install 4" Plastic Insert (Gromtec#GT003).....	32.00	
09 69 53 00-0008	EA		Flush Mounted Electrical Box (Including Cutting Hole Trim Carpet) P/N Telo-7018-4.....	131.31	8.77
09 69 53 00-0009	EA		Flush Mounted Telephone Box (Grey/Black/Communications)..... Note: Includes cut hole.	94.01	8.77
09 69 53 00-0010	EA		Flush Mounted Electrical Box (In Existing Hole) P/N Telo 7018-4.....	131.31	8.77
09 69 53 00-0011	EA		Flush Mounted Telephone Box (Grey/Black/Communications) (In Existing Hole) P/N Telo-7018-2.....	65.96	1.40
09 69 53 00-0012			Final Cleaning For Computer Room Raised Floor System (09 69 53) Note: Includes wipe dirt/dust from stringers and raised floor beneath raised floor. For new or existing systems.		
09 69 53 00-0013	SF		Vacuum Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath Raised Floor.....	2.40	
09 69 53 00-0014	SF		Vacuum/Shampoo Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath.....	2.48	
09 69 53 00-0015	SF		Vacuum/Wet Mop Clean Raised Floor HPL Panel Wipe Dirt/Dust Stringers And Raised Floor.....	2.45	
09 70			Wall Finishes (09)		
09 72			Wall Coverings (09 70)		
09 72 13			Cork Wall Coverings (09 72)		
09 72 13 00-0001			Cork Wall Covering (09 72 13)		
09 72 13 00-0002	SF		1/8" Cork Wall Covering.....	4.54	0.85
09 72 13 00-0003	SF		1/4" Cork Wall Covering.....	5.35	0.85
09 72 13 00-0004	SF		1/2" Cork Wall Covering.....	6.00	0.85
09 72 13 00-0005	SF		3/4" Cork Wall Covering.....	7.90	0.85
09 72 16			Vinyl-Coated Fabric Wall Coverings (09 72)		
09 72 16 13			Flexible Vinyl Wall Coverings (09 72 16)		
09 72 16 13-0001			Vinyl Wall Coverings (09 72 16 13) Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.		
09 72 16 13-0002	SF		7-10 Oz/SY Vinyl Wall Covering..... For Owner Furnished Material, Deduct	2.27 -0.94	0.85
09 72 16 13-0003	SF		11-14 Oz/SY Vinyl Wall Covering..... For Owner Furnished Material, Deduct	2.79 -1.37	0.85
09 72 16 13-0004	SF		15-19 Oz/SY Vinyl Wall Covering..... For Owner Furnished Material, Deduct	3.14 -1.72	0.85
09 72 16 13-0005	SF		20-25 Oz/SY Vinyl Wall Covering..... For Owner Furnished Material, Deduct	3.75 -1.98	0.85
09 72 16 13-0006	SF		26-32 Oz/SY Vinyl Wall Covering..... For Owner Furnished Material, Deduct	4.26 -2.41	0.85
09 72 16 13-0007	SF		33-38 Oz/SY Vinyl Wall Covering..... For Owner Furnished Material, Deduct	4.98 -3.05	0.85
09 72 23			Wallpapering (09 72)		

09	09 Finishes
	09 70 Wall Finishes
	09 72 Wall Coverings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 72 23 00-0001	Wallpaper Coverings <small>(09 72 23)</small>		
	<small>Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.</small>		
09 72 23 00-0002	SF Average Quality Wallpaper (Standard Grade)	2.05	1.13
09 72 23 00-0003	SF High Quality Wallpaper (Designer Grade).....	3.31	1.45
09 72 23 00-0004	SF Ceiling Paper	3.23	2.13

09 73 Wall Carpeting (09 70)

09 73 00 00-0001	Carpet Wall Covering <small>(09 73)</small>		
09 73 00 00-0002	SY 28 Ounce, Nylon Carpet Wall Covering	41.29	27.50
09 73 00 00-0003	SY 32 Ounce, Nylon Carpet Wall Covering	41.96	27.50
09 73 00 00-0004	SY 34 Ounce, Nylon Carpet Wall Covering	45.64	29.61
09 73 00 00-0005	SY 35 Ounce, Nylon Carpet Wall Covering	48.34	29.61
09 73 00 00-0006	SY 36 Ounce, Nylon Carpet Wall Covering	51.07	29.61
09 73 00 00-0007	SY 38 Ounce, Nylon Carpet Wall Covering	51.89	29.61
09 73 00 00-0008	SY 40 Ounce, Nylon Carpet Wall Covering	53.79	31.98
09 73 00 00-0009	SY 42 Ounce, Nylon Carpet Wall Covering	55.83	31.98

09 74 Flexible Wood Sheets (09 70)

09 74 16 Flexible Wood Veneers (09 74)

09 74 16 00-0001	Walnut <small>(09 74 16)</small>		
09 74 16 00-0002	SF Walnut 1/32 In Thick Flexible Wood Veneer	8.07	3.42
09 74 16 00-0003	Exotic Wood <small>(09 74 16)</small>		
09 74 16 00-0004	SF Exotic Wood 1/32 Thick, Flexible Wood Veneer	9.47	3.42

09 77 Special Wall Surfacing (09 70)

09 77 11 Special Wall Panels (09 77)

09 77 11 00-0001	Corian Wall Panels <small>(09 77 11)</small>		
09 77 11 00-0002	Wall Panels <small>(09 77 11 00-0001)</small>		
09 77 11 00-0003	SF 1/4" Corian Wall Panels, Sea Grass	27.75	4.83
	<small>For >500, Deduct</small>	1.81	
09 77 11 00-0004	SF 1/4" Corian Wall Panels, Aqua.....	32.72	4.83
	<small>For >500, Deduct</small>	2.31	
09 77 11 00-0005	SF 1/4" Corian Wall Panels, Everest	34.77	4.83
	<small>For >500, Deduct</small>	2.51	
09 77 11 00-0006	Corian Corner Guards For Wall Panels <small>(09 77 11 00-0001)</small>		
09 77 11 00-0007	SF 1/2" Curved Corner Guard For Corian Wall Panels, Sea Grass.....	71.15	3.86
09 77 11 00-0008	SF 1/2" Curved Corner Guard For Corian Wall Panels, Aqua	76.66	3.86
09 77 11 00-0009	SF 1/2" Curved Corner Guard For Corian Wall Panels, Everest	69.51	3.86

09 80 Acoustic Treatment (09)

09 81 Acoustic Insulation (09 81)

09 81 16 Acoustic Blanket Insulation (09 81)

09 81 16 00-0001	Sound Attenuation Fire Blankets (SAFB) <small>(09 81 16)</small>		
09 81 16 00-0002	2.5 PCF Density, Sound Attenuation Fire Blankets (SAFB) <small>(09 81 16 00-0001)</small>		
09 81 16 00-0003	SF 1-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.53	0.29
09 81 16 00-0004	SF 2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB).....	1.62	0.29
09 81 16 00-0005	SF 2-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.74	0.29
09 81 16 00-0006	SF 3" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB).....	1.84	0.29
09 81 16 00-0007	SF 3-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.97	0.29
09 81 16 00-0008	SF 4" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB).....	2.09	0.29
09 81 16 00-0009	SF 5" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB).....	2.25	0.29
09 81 16 00-0010	SF 6" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB).....	2.43	0.29
09 81 16 00-0011	4 PCF Density, Sound Attenuation Fire Blankets (SAFB) <small>(09 81 16 00-0001)</small>		
09 81 16 00-0012	SF 1" Thick, 4 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB).....	1.50	0.29
09 81 16 00-0013	Sound Attenuation Batts <small>(09 81 16)</small>		
	<small>Note: NoiseReducer® by Certainteed, Quitezone® by Owens Corning, Sound-Shield® by Johns Mansville.</small>		
09 81 16 00-0014	SF 2-1/2" Thick, Unfaced Sound Attenuation Batt.....	0.95	0.38
09 81 16 00-0015	SF 3-1/2" Thick, Unfaced Sound Attenuation Batt.....	1.00	0.38



Finishes	09	
Acoustic Treatment	09 80	09
Acoustic Insulation	09 81	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 81	16 00-0016	SF	3-1/2" Thick, Kraft Faced Sound Attenuation Batt	1.03	0.38
09 81	16 00-0017	SF	5-1/2" Thick, Unfaced Sound Attenuation Batt.....	1.12	0.38
09 81	16 00-0018	SF	5-1/2" Thick, Kraft Faced Sound Attenuation Batt	1.15	0.38
09 81	16 00-0019	SF	6-1/4" Thick, Unfaced Sound Attenuation Batt.....	1.14	0.38
09 81	16 00-0020	SF	6-1/4" Thick, Kraft Faced Sound Attenuation Batt	1.18	0.38

09 84 Acoustic Room Components (09 80)

09 84 13 Fixed Sound-Absorptive Panels (09 84)

09 84 13 00-0001	Sound Absorbing Panels And Attenuation Blankets <small>(09 84 13)</small>				
	Note: No backs, 3" thick modular, ceiling or wall hung back. Excludes ceiling suspension systems and wall furring system. See CSI section 09 22 13 00-0000 for furring, 09 53 23 00-0000 for suspended ceiling support.				
09 84 13 00-0002	SF		3" Thick Perforated Steel Sound Absorbing Panel Painted, No Back With Fiberglass Or Mineral Filler.....	9.27	1.93
09 84 13 00-0003	SF		1" Thick Fiberglass Sound Absorbing Panels With Glass Cloth Face For Walls	13.52	1.93
09 84 13 00-0004	Sound Absorbing Acoustical Wall Panel System <small>(09 84 13)</small>				
	See CSI section 06 11 16 00-0196 for wood furring.				
09 84 13 00-0005	Fiberglass, Sound Absorbing Wall Panel System <small>(09 84 13 00-0004)</small>				
	Note: Includes molding and mounting hardware for flush mount. All panels are 3/4" thick.				
09 84 13 00-0006	SF		Woven Fabric Covered, Fiberglass, Sound Absorbing Wall Panel System (Maharam Tek-Wall).....	12.38	2.17
09 84 13 00-0007	SF		Woven Fabric Covered, Fiberglass, Sound Absorbing Wall Panel System (Maharam Adorn)	14.73	2.17
09 84 13 00-0008	Sound Absorbing Panel, Eggcrate Style <small>(09 84 13)</small>				
	Note: Ceiling or wall hung back.				
09 84 13 00-0009	SF		2" Thick Polyurethane Sound Wave (Eggcrate Style).....	9.94	
			<i>For Pyramid Style, Add</i>	1.18	
09 84 13 00-0010	SF		3" Thick Polyurethane Sound Wave (Eggcrate Style).....	13.30	
			<i>For Pyramid Style, Add</i>	1.18	
09 84 13 00-0011	SF		4" Thick Polyurethane Sound Wave (Eggcrate Style).....	17.60	
			<i>For Pyramid Style, Add</i>	1.18	
09 84 13 00-0012	SF		2" Thick Melamine Sound Wave (Eggcrate Style)	13.19	
			<i>For Eggcrate Style With Hypalon Coating, Add</i>	1.97	
			<i>For Pyramid Style, Add</i>	2.05	
			<i>For Pyramid Style With Hypalon Coating, Add</i>	4.02	
09 84 13 00-0013	SF		3" Thick Melamine Sound Wave (Eggcrate Style)	25.30	
			<i>For Eggcrate Style With Hypalon Coating, Add</i>	1.97	
			<i>For Pyramid Style, Add</i>	0.42	
			<i>For Pyramid Style With Hypalon Coating, Add</i>	2.40	
09 84 13 00-0014	SF		4" Thick Melamine Sound Wave (Eggcrate Style)	32.45	
			<i>For Eggcrate Style With Hypalon Coating, Add</i>	1.97	
			<i>For Pyramid Style, Add</i>	0.42	
			<i>For Pyramid Style With Hypalon Coating, Add</i>	2.40	
09 84 13 00-0015	Sound Deadening Fiberboard <small>(09 84 13)</small>				
09 84 13 00-0016	SF		1/2" Sound Deadening Fiberboard.....	1.20	0.48
			<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	0.44	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.30	
			<i>For Horizontal Installation >10' High, Add</i>	0.44	
			<i>For Walls >10' High, Add</i>	0.07	
			<i>For Up To 128, Add</i>	0.41	
			<i>For >128 To 320, Add</i>	0.25	

09 90 Painting And Coating (09)

Note: Includes masking, safety signs, cleaning of area (dry wiping down walls, floors, doors, etc.), removal of loose paint (paint, caulk, etc.), feathering rough edges, sanding between coats, protective work to contain dust and paint splatters (drop cloths), unless otherwise noted, removal and reinstallation of cabinet hardware, switch covers and outlet plates, equipment to place paint and ladders. New construction work additionally includes filling knots, divots, depressions, holes (screw and nail holes in drywall to 1/4" diameter of unlimited quantity). All work designated as "brush/roller" includes brush work for cut and roller work up to cut in. See CSI section 07 92 00 00-0000 for caulking where required, 09 01 20 00-0000 for severely damaged surface preparation in excess of items included above, hand scrape, pressure washing and chemical cleaning where required.

09 91 Painting (09 90)

09 91 13 Exterior Painting (09 91)

Note: Acrylic latex paint unless otherwise stated.

09 91 13 00-0001	Paint Exterior Walls/Siding <small>(09 91 13)</small>			
09 91 13 00-0002	Paint Exterior Brick Walls <small>(09 91 13 00-0001)</small>			

09 Finishes

09 90 Painting And Coating

09 91 Painting


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 13 00-0003	SF	Paint Exterior Brick Walls, 1 Coat Filler, Brush Work.....	0.86	
		For Oil Based Paint, Add	0.05	
		For Work >20', Add	0.19	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	0.57	
		For >100 To 250, Add	0.27	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.13	
		For >20,000, Deduct	-0.17	
09 91 13 00-0004	SF	Paint Exterior Brick Walls, 1 Coat Paint, Brush Work	1.24	
		For Oil Based Paint, Add	0.07	
		For Work >20', Add	0.28	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	0.85	
		For >100 To 250, Add	0.40	
		For >250 To 500, Add	0.17	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.19	
		For >20,000, Deduct	-0.25	
09 91 13 00-0005	SF	Paint Exterior Brick Walls, 2 Coats Paint, Brush Work.....	1.78	
		For Oil Based Paint, Add	0.10	
		For Work >20', Add	0.37	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	1.16	
		For >100 To 250, Add	0.55	
		For >250 To 500, Add	0.24	
		For >2,500 To 5,000, Deduct	-0.09	
		For >5,000 To 10,000, Deduct	-0.18	
		For >10,000 To 20,000, Deduct	-0.27	
		For >20,000, Deduct	-0.36	
09 91 13 00-0006	SF	Paint Exterior Brick Walls, 1 Coat Filler, Brush/Roller Work	0.56	
		For Oil Based Paint, Add	0.03	
		For Work >20', Add	0.11	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	0.35	
		For >100 To 250, Add	0.17	
		For >250 To 500, Add	0.07	
		For >2,500 To 5,000, Deduct	-0.03	
		For >5,000 To 10,000, Deduct	-0.06	
		For >10,000 To 20,000, Deduct	-0.08	
		For >20,000, Deduct	-0.11	
09 91 13 00-0007	SF	Paint Exterior Brick Walls, 1 Coat Paint, Brush/Roller Work.....	0.94	
		For Oil Based Paint, Add	0.06	
		For Work >20', Add	0.19	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	0.60	
		For >100 To 250, Add	0.28	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.14	
		For >20,000, Deduct	-0.19	
09 91 13 00-0008	SF	Paint Exterior Brick Walls, 2 Coats Paint, Brush/Roller Work	1.37	
		For Oil Based Paint, Add	0.09	
		For Work >20', Add	0.26	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	0.83	
		For >100 To 250, Add	0.40	
		For >250 To 500, Add	0.17	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.14	
		For >10,000 To 20,000, Deduct	-0.21	
		For >20,000, Deduct	-0.27	
09 91 13 00-0009	SF	Paint Exterior Brick Walls, 1 Coat Filler, Sprayed	0.49	
		For Oil Based Paint, Add	0.03	
		For Work >20', Add	0.09	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	0.28	
		For >100 To 250, Add	0.14	
		For >250 To 500, Add	0.06	
		For >2,500 To 5,000, Deduct	-0.02	
		For >5,000 To 10,000, Deduct	-0.05	
		For >10,000 To 20,000, Deduct	-0.07	
		For >20,000, Deduct	-0.10	



		Finishes	09
		Painting And Coating	09 90
		Painting	09 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0010 SF Paint Exterior Brick Walls, 1 Coat Paint, Sprayed.....	0.47	
For Oil Based Paint, Add	0.03	
For Work >20', Add	0.07	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.23	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0011 SF Paint Exterior Brick Walls, 2 Coats Paint, Sprayed.....	1.04	
For Oil Based Paint, Add	0.07	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.57	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 13 00-0012 Paint Exterior Concrete Walls (09 91 13 00-0001)		
09 91 13 00-0013 SF Paint Exterior Concrete Walls, 1 Coat Filler, Brush Work.....	0.74	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.07	
For Work >20', Add	0.16	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.50	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0014 SF Paint Exterior Concrete Walls, 1 Coat Paint, Brush Work.....	0.81	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.06	
For Work >20', Add	0.18	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.56	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0015 SF Paint Exterior Concrete Walls, 2 Coats Paint, Brush Work.....	1.52	
For Oil Based Paint, Add	0.08	
For Epoxy Paint, Add	0.12	
For Work >20', Add	0.34	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.04	
For >100 To 250, Add	0.49	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.30	
09 91 13 00-0016 SF Paint Exterior Concrete Walls, 1 Coat Filler, Brush/Roller Work.....	0.58	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0017 SF Paint Exterior Concrete Walls, 1 Coat Paint, Brush/Roller Work.....	0.68	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.06	
For Work >20', Add	0.15	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	

09	09 Finishes
	09 90 Painting And Coating
	09 91 Painting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0018 SF Paint Exterior Concrete Walls, 2 Coats Paint, Brush/Roller Work.....	1.13	
For Oil Based Paint, Add	0.06	
For Epoxy Paint, Add	0.10	
For Work >20', Add	0.24	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.75	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	
09 91 13 00-0019 SF Paint Exterior Concrete Walls, 1 Coat Filler, Sprayed.....	0.44	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Work >20', Add	0.08	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.26	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0020 SF Paint Exterior Concrete Walls, 1 Coat Paint, Sprayed.....	0.41	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.05	
For Work >20', Add	0.08	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.25	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 13 00-0021 SF Paint Exterior Concrete Walls, 2 Coats Paint, Sprayed.....	0.70	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.10	
For Work >20', Add	0.13	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 13 00-0022 Paint Exterior Concrete Block Walls (09 91 13 00-0001)		
09 91 13 00-0023 Paint Exterior Concrete Block Walls, Epoxy Paint (09 91 13 00-0022)		
09 91 13 00-0024 SF Paint Exterior Concrete Block Walls, 1 Coat Epoxy Filler, Brush Work.....	1.01	
For Work >20', Add	0.21	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.65	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 13 00-0025 SF Paint Exterior Concrete Block Walls, 1 Coat Epoxy Paint, Brush.....	1.17	
For Work >20', Add	0.25	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.77	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.23	
09 91 13 00-0026 SF Paint Exterior Concrete Block Walls, 2 Coats Epoxy Paint, Brush Work.....	2.03	
For Work >20', Add	0.42	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.30	
For >100 To 250, Add	0.62	
For >250 To 500, Add	0.27	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 20,000, Deduct	-0.30	
For >20,000, Deduct	-0.41	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0027 SF Paint Exterior Concrete Block Walls, 1 Coat Epoxy Filler, Brush/Roller Work.....	0.81	
For Work >20', Add	0.16	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0028 SF Paint Exterior Concrete Block Walls, 1 Coat Epoxy Paint, Brush/Roller Work.....	0.91	
For Work >20', Add	0.18	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 13 00-0029 SF Paint Exterior Concrete Block Walls, 2 Coats Epoxy Paint, Brush/Roller Work.....	1.59	
For Work >20', Add	0.31	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.97	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.32	
09 91 13 00-0030 SF Paint Exterior Concrete Block Walls, 1 Coat Epoxy Filler, Sprayed.....	0.57	
For Work >20', Add	0.09	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.29	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.11	
09 91 13 00-0031 SF Paint Exterior Concrete Block Walls, 1 Coat Epoxy Paint, Sprayed.....	0.64	
For Work >20', Add	0.10	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.34	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0032 SF Paint Exterior Concrete Block Walls, 2 Coats Epoxy Paint, Sprayed.....	1.22	
For Work >20', Add	0.19	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.63	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 13 00-0033 Paint Exterior Concrete Block Walls, Acrylic Latex Paint (09 91 13 00-0022)		
09 91 13 00-0034 SF Paint Exterior Concrete Block Walls, 1 Coat Filler, Brush Work.....	0.95	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.21	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.64	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 13 00-0035 SF Paint Exterior Concrete Block Walls, 1 Coat Paint, Brush Work.....	1.11	
For Oil Based Paint, Add	0.06	
For Work >20', Add	0.24	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.74	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0036	SF Paint Exterior Concrete Block Walls, 2 Coats Paint, Brush Work	2.02	
	For Oil Based Paint, Add	0.12	
	For Work >20', Add	0.42	
	Note: Applied only to work area above 20'.		
	For Up To 100, Add	1.32	
	For >100 To 250, Add	0.62	
	For >250 To 500, Add	0.27	
	For >2,500 To 5,000, Deduct	-0.10	
	For >5,000 To 10,000, Deduct	-0.20	
	For >10,000 To 20,000, Deduct	-0.30	
	For >20,000, Deduct	-0.40	
09 91 13 00-0037	SF Paint Exterior Concrete Block Walls, Texture Coat, Brush Work	1.23	
	For Oil Based Paint, Add	0.07	
	For Work >20', Add	0.26	
	Note: Applied only to work area above 20'.		
	For Up To 100, Add	0.81	
	For >100 To 250, Add	0.39	
	For >250 To 500, Add	0.17	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.12	
	For >10,000 To 20,000, Deduct	-0.18	
	For >20,000, Deduct	-0.25	
09 91 13 00-0038	SF Paint Exterior Concrete Block Walls, 1 Coat Filler, Brush/Roller Work	0.74	
	For Oil Based Paint, Add	0.04	
	For Work >20', Add	0.16	
	Note: Applied only to work area above 20'.		
	For Up To 100, Add	0.48	
	For >100 To 250, Add	0.23	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.11	
	For >20,000, Deduct	-0.15	
09 91 13 00-0039	SF Paint Exterior Concrete Block Walls, 1 Coat Paint, Brush/Roller Work	0.94	
	For Oil Based Paint, Add	0.06	
	For Work >20', Add	0.20	
	Note: Applied only to work area above 20'.		
	For Up To 100, Add	0.61	
	For >100 To 250, Add	0.29	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.19	
09 91 13 00-0040	SF Paint Exterior Concrete Block Walls, 2 Coats Paint, Brush/Roller Work	1.59	
	For Oil Based Paint, Add	0.10	
	For Work >20', Add	0.32	
	Note: Applied only to work area above 20'.		
	For Up To 100, Add	0.99	
	For >100 To 250, Add	0.47	
	For >250 To 500, Add	0.21	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.16	
	For >10,000 To 20,000, Deduct	-0.24	
	For >20,000, Deduct	-0.32	
09 91 13 00-0041	SF Paint Exterior Concrete Block Walls, Texture Coat, Brush/Roller Work	1.05	
	For Oil Based Paint, Add	0.06	
	For Work >20', Add	0.22	
	Note: Applied only to work area above 20'.		
	For Up To 100, Add	0.68	
	For >100 To 250, Add	0.32	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.16	
	For >20,000, Deduct	-0.21	
09 91 13 00-0042	SF Paint Exterior Concrete Block Walls, 1 Coat Filler, Sprayed	0.61	
	For Oil Based Paint, Add	0.04	
	For Work >20', Add	0.11	
	Note: Applied only to work area above 20'.		
	For Up To 100, Add	0.36	
	For >100 To 250, Add	0.17	
	For >250 To 500, Add	0.08	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.09	
	For >20,000, Deduct	-0.12	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0043 SF Paint Exterior Concrete Block Walls, 1 Coat Paint, Sprayed.....	0.64	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.36	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0044 SF Paint Exterior Concrete Block Walls, 2 Coats Paint, Sprayed.....	1.02	
For Oil Based Paint, Add	0.06	
For Work >20', Add	0.19	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.62	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 13 00-0045 SF Paint Exterior Concrete Block Walls, Texture Coat, Sprayed.....	0.84	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.15	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.48	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0046 Paint Exterior Drywall/Plaster Walls (09 91 13 00-0001)		
09 91 13 00-0047 SF Paint Exterior Drywall/Plaster Walls, 1 Coat Primer, Brush Work.....	0.76	
For Oil Based Paint, Add	0.04	
For Orange Peel Finish, Add	0.11	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.51	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
For Epoxy Paint, Add	0.07	
09 91 13 00-0048 SF Paint Exterior Drywall/Plaster Walls, 1 Coat Paint, Brush Work.....	0.84	
For Oil Based Paint, Add	0.05	
For Orange Peel Finish, Add	0.12	
For Work >20', Add	0.19	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.58	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
For Epoxy Paint, Add	0.07	
09 91 13 00-0049 SF Paint Exterior Drywall/Plaster Walls, 2 Coats Paint, Brush Work.....	1.52	
For Oil Based Paint, Add	0.08	
For Orange Peel Finish, Add	0.22	
For Work >20', Add	0.34	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.04	
For >100 To 250, Add	0.49	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.30	
For Epoxy Paint, Add	0.12	

09	Finishes
09 90	Painting And Coating
09 91	Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0050	SF	Paint Exterior Drywall/Plaster Walls, 1 Coat Primer, Brush/Roller Work.....	0.58	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Orange Peel Finish, Add</i>	0.08	
			<i>For Work >20', Add</i>	0.12	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.38	
			<i>For >100 To 250, Add</i>	0.18	
			<i>For >250 To 500, Add</i>	0.08	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.06	
			<i>For >10,000 To 20,000, Deduct</i>	-0.09	
			<i>For >20,000, Deduct</i>	-0.12	
			<i>For Epoxy Paint, Add</i>	0.06	
09 91	13 00-0051	SF	Paint Exterior Drywall/Plaster Walls, 1 Coat Paint, Brush/Roller Work	0.60	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Orange Peel Finish, Add</i>	0.08	
			<i>For Work >20', Add</i>	0.13	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.40	
			<i>For >100 To 250, Add</i>	0.19	
			<i>For >250 To 500, Add</i>	0.08	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.06	
			<i>For >10,000 To 20,000, Deduct</i>	-0.09	
			<i>For >20,000, Deduct</i>	-0.12	
			<i>For Epoxy Paint, Add</i>	0.05	
09 91	13 00-0052	SF	Paint Exterior Drywall/Plaster Walls, 2 Coats Paint, Brush/Roller Work	1.10	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Orange Peel Finish, Add</i>	0.15	
			<i>For Work >20', Add</i>	0.24	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.73	
			<i>For >100 To 250, Add</i>	0.35	
			<i>For >250 To 500, Add</i>	0.15	
			<i>For >2,500 To 5,000, Deduct</i>	-0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.11	
			<i>For >10,000 To 20,000, Deduct</i>	-0.17	
			<i>For >20,000, Deduct</i>	-0.22	
			<i>For Epoxy Paint, Add</i>	0.10	
09 91	13 00-0053	SF	Paint Exterior Drywall/Plaster Walls, 1 Coat Primer, Sprayed	0.44	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Work >20', Add</i>	0.08	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.26	
			<i>For >100 To 250, Add</i>	0.12	
			<i>For >250 To 500, Add</i>	0.05	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.04	
			<i>For >10,000 To 20,000, Deduct</i>	-0.07	
			<i>For >20,000, Deduct</i>	-0.09	
			<i>For Epoxy Paint, Add</i>	0.06	
09 91	13 00-0054	SF	Paint Exterior Drywall/Plaster Walls, 1 Coat Paint, Sprayed.....	0.48	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Work >20', Add</i>	0.10	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.30	
			<i>For >100 To 250, Add</i>	0.14	
			<i>For >250 To 500, Add</i>	0.06	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 20,000, Deduct</i>	-0.07	
			<i>For >20,000, Deduct</i>	-0.10	
			<i>For Epoxy Paint, Add</i>	0.05	
09 91	13 00-0055	SF	Paint Exterior Drywall/Plaster Walls, 2 Coats Paint, Sprayed.....	0.78	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Work >20', Add</i>	0.15	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.47	
			<i>For >100 To 250, Add</i>	0.22	
			<i>For >250 To 500, Add</i>	0.10	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.08	
			<i>For >10,000 To 20,000, Deduct</i>	-0.12	
			<i>For >20,000, Deduct</i>	-0.16	
			<i>For Epoxy Paint, Add</i>	0.10	

09 91 13 00-0056 Paint Exterior Metal Walls (09 91 13 00-0001)

09 91 13 00-0057 Paint Exterior Galvanized Walls (09 91 13 00-0056)
 Note: Linseed oil or acrylic latex paint.



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0058 SF Paint Exterior Galvanized Wall Surfaces, 1 Coat Primer, Brush Work.....	0.83	
<i>For Work >20', Add</i>	0.19	
<i>Note: Applied only to work area above 20'.</i>		
<i>For Up To 100, Add</i>	0.57	
<i>For >100 To 250, Add</i>	0.27	
<i>For >250 To 500, Add</i>	0.12	
<i>For >2,500 To 5,000, Deduct</i>	-0.04	
<i>For >5,000 To 10,000, Deduct</i>	-0.08	
<i>For >10,000 To 20,000, Deduct</i>	-0.12	
<i>For >20,000, Deduct</i>	-0.17	
09 91 13 00-0059 SF Paint Exterior Galvanized Wall Surfaces, 1 Coat Paint, Brush Work.....	0.94	
<i>For Work >20', Add</i>	0.21	
<i>Note: Applied only to work area above 20'.</i>		
<i>For Up To 100, Add</i>	0.65	
<i>For >100 To 250, Add</i>	0.31	
<i>For >250 To 500, Add</i>	0.13	
<i>For >2,500 To 5,000, Deduct</i>	-0.05	
<i>For >5,000 To 10,000, Deduct</i>	-0.09	
<i>For >10,000 To 20,000, Deduct</i>	-0.14	
<i>For >20,000, Deduct</i>	-0.19	
09 91 13 00-0060 SF Paint Exterior Galvanized Wall Surfaces, 2 Coats Paint, Brush Work.....	1.68	
<i>For Work >20', Add</i>	0.37	
<i>Note: Applied only to work area above 20'.</i>		
<i>For Up To 100, Add</i>	1.15	
<i>For >100 To 250, Add</i>	0.54	
<i>For >250 To 500, Add</i>	0.23	
<i>For >2,500 To 5,000, Deduct</i>	-0.08	
<i>For >5,000 To 10,000, Deduct</i>	-0.17	
<i>For >10,000 To 20,000, Deduct</i>	-0.25	
<i>For >20,000, Deduct</i>	-0.34	
09 91 13 00-0061 SF Paint Exterior Galvanized Walls, 1 Coat Primer, Brush/Roller Work.....	0.61	
<i>For Work >20', Add</i>	0.13	
<i>Note: Applied only to work area above 20'.</i>		
<i>For Up To 100, Add</i>	0.41	
<i>For >100 To 250, Add</i>	0.19	
<i>For >250 To 500, Add</i>	0.08	
<i>For >2,500 To 5,000, Deduct</i>	-0.03	
<i>For >5,000 To 10,000, Deduct</i>	-0.06	
<i>For >10,000 To 20,000, Deduct</i>	-0.09	
<i>For >20,000, Deduct</i>	-0.12	
09 91 13 00-0062 SF Paint Exterior Galvanized Walls, 1 Coat Paint, Brush/Roller Work.....	0.72	
<i>For Work >20', Add</i>	0.16	
<i>Note: Applied only to work area above 20'.</i>		
<i>For Up To 100, Add</i>	0.49	
<i>For >100 To 250, Add</i>	0.23	
<i>For >250 To 500, Add</i>	0.10	
<i>For >2,500 To 5,000, Deduct</i>	-0.04	
<i>For >5,000 To 10,000, Deduct</i>	-0.07	
<i>For >10,000 To 20,000, Deduct</i>	-0.11	
<i>For >20,000, Deduct</i>	-0.14	
09 91 13 00-0063 SF Paint Exterior Galvanized Walls, 2 Coats Paint, Brush/Roller Work.....	1.32	
<i>For Work >20', Add</i>	0.29	
<i>Note: Applied only to work area above 20'.</i>		
<i>For Up To 100, Add</i>	0.89	
<i>For >100 To 250, Add</i>	0.42	
<i>For >250 To 500, Add</i>	0.18	
<i>For >2,500 To 5,000, Deduct</i>	-0.07	
<i>For >5,000 To 10,000, Deduct</i>	-0.13	
<i>For >10,000 To 20,000, Deduct</i>	-0.20	
<i>For >20,000, Deduct</i>	-0.26	
09 91 13 00-0064 SF Paint Exterior Galvanized Walls, 1 Coat Primer, Sprayed.....	0.39	
<i>For Work >20', Add</i>	0.07	
<i>Note: Applied only to work area above 20'.</i>		
<i>For Up To 100, Add</i>	0.23	
<i>For >100 To 250, Add</i>	0.11	
<i>For >250 To 500, Add</i>	0.05	
<i>For >2,500 To 5,000, Deduct</i>	-0.02	
<i>For >5,000 To 10,000, Deduct</i>	-0.04	
<i>For >10,000 To 20,000, Deduct</i>	-0.06	
<i>For >20,000, Deduct</i>	-0.08	
09 91 13 00-0065 SF Paint Exterior Galvanized Walls, 1 Coat Paint, Sprayed.....	0.56	
<i>For Work >20', Add</i>	0.11	
<i>Note: Applied only to work area above 20'.</i>		
<i>For Up To 100, Add</i>	0.35	
<i>For >100 To 250, Add</i>	0.17	
<i>For >250 To 500, Add</i>	0.07	
<i>For >2,500 To 5,000, Deduct</i>	-0.03	
<i>For >5,000 To 10,000, Deduct</i>	-0.06	
<i>For >10,000 To 20,000, Deduct</i>	-0.08	
<i>For >20,000, Deduct</i>	-0.11	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0066 SF Paint Exterior Galvanized Walls, 2 Coats Paint, Sprayed.....	0.90	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 13 00-0067 Paint Exterior Aluminum And Aluminum Alloy Walls (09 91 13 00-0066)		
Note: Alkyd enamel paint.		
09 91 13 00-0068 SF Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces, 1 Coat Primer, Brush Work.....	0.83	
For Work >20', Add	0.19	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.17	
09 91 13 00-0069 SF Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces, 1 Coat Paint, Brush Work	0.94	
For Work >20', Add	0.21	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.65	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 13 00-0070 SF Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces, 2 Coats Paint, Brush Work	1.68	
For Work >20', Add	0.37	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.15	
For >100 To 250, Add	0.54	
For >250 To 500, Add	0.23	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.25	
For >20,000, Deduct	-0.34	
09 91 13 00-0071 SF Paint Exterior Aluminum And Aluminum Alloy Walls, 1 Coat Primer, Brush/Roller Work.....	0.64	
For Work >20', Add	0.13	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0072 SF Paint Exterior Aluminum And Aluminum Alloy Walls, 1 Coat Paint, Brush/Roller Work	0.75	
For Work >20', Add	0.16	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0073 SF Paint Exterior Aluminum And Aluminum Alloy Walls, 2 Coats Paint, Brush/Roller Work	1.38	
For Work >20', Add	0.29	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.90	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	
09 91 13 00-0074 SF Paint Exterior Aluminum And Aluminum Alloy Walls, 1 Coat Primer, Sprayed	0.45	
For Work >20', Add	0.09	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	



Finishes	09	2
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0075 SF Paint Exterior Aluminum And Aluminum Alloy Walls, 1 Coat Paint, Sprayed.....	0.56	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 13 00-0076 SF Paint Exterior Aluminum And Aluminum Alloy Walls, 2 Coats Paint, Sprayed.....	0.90	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 13 00-0077 Paint Exterior Aluminum And Aluminum Alloy Roof Stacks (09 91 13 00-0056)		
09 91 13 00-0078 LF Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, 1 Coat Primer, Per LF Of Stack	10.76	
For Work >20', Add	2.55	
Note: Applied only to work area above 20'.		
For Up To 100, Add	7.74	
For >100 To 250, Add	3.63	
For >250 To 500, Add	1.56	
For >2,500 To 5,000, Deduct	-0.54	
For >5,000 To 10,000, Deduct	-1.08	
For >10,000 To 20,000, Deduct	-1.61	
For >20,000, Deduct	-2.15	
09 91 13 00-0079 LF Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, 1 Coat Paint, Per LF Of Stack	11.96	
For Work >20', Add	2.84	
Note: Applied only to work area above 20'.		
For Up To 100, Add	8.60	
For >100 To 250, Add	4.03	
For >250 To 500, Add	1.73	
For >2,500 To 5,000, Deduct	-0.60	
For >5,000 To 10,000, Deduct	-1.20	
For >10,000 To 20,000, Deduct	-1.79	
For >20,000, Deduct	-2.39	
09 91 13 00-0080 LF Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, 2 Coats Paint, Per LF Of Stack	22.43	
For Work >20', Add	5.33	
Note: Applied only to work area above 20'.		
For Up To 100, Add	16.16	
For >100 To 250, Add	7.58	
For >250 To 500, Add	3.25	
For >2,500 To 5,000, Deduct	-1.12	
For >5,000 To 10,000, Deduct	-2.24	
For >10,000 To 20,000, Deduct	-3.36	
For >20,000, Deduct	-4.49	
09 91 13 00-0081 Paint Exterior Corrugated Metal Walls (09 91 13 00-0056)		
09 91 13 00-0082 SF Paint Exterior Corrugated Metal Walls, 1 Coat Primer, Sprayed.....	0.51	
For Work >20', Add	0.10	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.30	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	
09 91 13 00-0083 SF Paint Exterior Corrugated Metal Walls, 1 Coat Paint, Sprayed.....	0.74	
For Work >20', Add	0.15	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.48	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0084	SF		Paint Exterior Corrugated Metal Walls, 2 Coats Paint, Sprayed	1.16	
			For Work >20', Add	0.23	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.72	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	
09 91 13 00-0085			Paint Exterior Stucco Walls (09 91 13 00-0001)		
09 91 13 00-0086	SF		Paint Exterior Stucco Wall Surfaces 1 Coat Primer, Brush Work.....	1.28	
			For Oil Based Paint, Add	0.07	
			For Work >20', Add	0.29	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.89	
			For >100 To 250, Add	0.42	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.26	
09 91 13 00-0087	SF		Paint Exterior Stucco Wall Surfaces 1 Coat Paint, Brush Work	1.41	
			For Oil Based Paint, Add	0.08	
			For Work >20', Add	0.32	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.97	
			For >100 To 250, Add	0.46	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.28	
09 91 13 00-0088	SF		Paint Exterior Stucco Wall Surfaces, 2 Coats Paint, Brush Work	2.61	
			For Oil Based Paint, Add	0.15	
			For Work >20', Add	0.58	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.78	
			For >100 To 250, Add	0.84	
			For >250 To 500, Add	0.36	
			For >2,500 To 5,000, Deduct	-0.13	
			For >5,000 To 10,000, Deduct	-0.26	
			For >10,000 To 20,000, Deduct	-0.39	
			For >20,000, Deduct	-0.52	
09 91 13 00-0089	SF		Paint Exterior Stucco Walls, 1 Coat Primer, Brush/Roller Work.....	0.96	
			For Oil Based Paint, Add	0.05	
			For Work >20', Add	0.21	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.65	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	
09 91 13 00-0090	SF		Paint Exterior Stucco Walls, 1 Coat Paint, Brush/Roller Work.....	1.08	
			For Oil Based Paint, Add	0.06	
			For Work >20', Add	0.24	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.73	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.22	
09 91 13 00-0091	SF		Paint Exterior Stucco Walls, 2 Coats Paint, Brush/Roller Work	1.99	
			For Oil Based Paint, Add	0.11	
			For Work >20', Add	0.43	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.32	
			For >100 To 250, Add	0.62	
			For >250 To 500, Add	0.27	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.20	
			For >10,000 To 20,000, Deduct	-0.30	
			For >20,000, Deduct	-0.40	



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0092 SF Paint Exterior Stucco Walls, 1 Coat Primer, Sprayed	0.63	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.13	
09 91 13 00-0093 SF Paint Exterior Stucco Walls, 1 Coat Paint, Sprayed.....	0.76	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.15	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0094 SF Paint Exterior Stucco Walls, 2 Coats Paint, Sprayed.....	1.47	
For Oil Based Paint, Add	0.09	
For Work >20', Add	0.29	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.90	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.29	
09 91 13 00-0095 Paint Exterior Wood Siding (09 91 13 00-0001)		
09 91 13 00-0096 Paint Exterior Smooth Wood Siding (09 91 13 00-0095)		
Note: Includes tongue and groove, beveled, drop or board and batten siding.		
09 91 13 00-0097 SF Paint Exterior Wood Smooth Siding, 1 Coat Primer, Brush Work.....	0.91	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.19	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.60	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 13 00-0098 SF Paint Exterior Wood Smooth Siding, 1 Coat Paint, Brush Work	0.97	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.21	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.66	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.19	
09 91 13 00-0099 SF Paint Exterior Wood Smooth Siding, 2 Coats Paint, Brush Work.....	1.73	
For Oil Based Paint, Add	0.10	
For Work >20', Add	0.37	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.15	
For >100 To 250, Add	0.54	
For >250 To 500, Add	0.23	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.26	
For >20,000, Deduct	-0.35	
09 91 13 00-0100 SF Paint Exterior Smooth Wood Siding, 1 Coat Primer, Brush/Roller Work.....	0.70	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.14	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.43	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0101	SF		Paint Exterior Smooth Wood Siding, 1 Coat Paint, Brush/Roller Work	0.78	
			For Oil Based Paint, Add	0.05	
			For Work >20', Add	0.16	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.50	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 13 00-0102	SF		Paint Exterior Smooth Wood Siding, 2 Coats Paint, Brush/Roller Work	1.45	
			For Oil Based Paint, Add	0.09	
			For Work >20', Add	0.29	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.91	
			For >100 To 250, Add	0.44	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.29	
09 91 13 00-0103	SF		Paint Exterior Smooth Wood Siding, 1 Coat Primer, Sprayed	0.50	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.09	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.28	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.10	
09 91 13 00-0104	SF		Paint Exterior Smooth Wood Siding, 1 Coat Paint, Sprayed	0.61	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.36	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0105	SF		Paint Exterior Smooth Wood Siding, 2 Coats Paint, Sprayed	0.99	
			For Oil Based Paint, Add	0.07	
			For Work >20', Add	0.17	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.56	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 13 00-0106			Paint Exterior Rough Wood Siding (09 91 13 00-0095)		
			Note: Includes shingles, shakes or rough sawn siding.		
09 91 13 00-0107	SF		Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 1 Coat Primer, Brush Work	1.43	
			For Oil Based Paint, Add	0.08	
			For Work >20', Add	0.32	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.98	
			For >100 To 250, Add	0.46	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.29	
09 91 13 00-0108	SF		Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 1 Coat Paint, Brush Work	1.45	
			For Oil Based Paint, Add	0.08	
			For Work >20', Add	0.33	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.02	
			For >100 To 250, Add	0.48	
			For >250 To 500, Add	0.21	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.29	



		Finishes	09
		Painting And Coating	09 90
		Painting	09 91

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0109	SF	Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 2 Coats Paint, Brush Work.....	2.69	
			For Oil Based Paint, Add	0.15	
			For Work >20', Add	0.61	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.87	
			For >100 To 250, Add	0.88	
			For >250 To 500, Add	0.38	
			For >2,500 To 5,000, Deduct	-0.13	
			For >5,000 To 10,000, Deduct	-0.27	
			For >10,000 To 20,000, Deduct	-0.40	
			For >20,000, Deduct	-0.54	
09 91	13 00-0110	SF	Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Primer, Brush/Roller Work.....	1.22	
			For Oil Based Paint, Add	0.07	
			For Work >20', Add	0.24	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.75	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 91	13 00-0111	SF	Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Paint, Brush/Roller Work.....	1.32	
			For Oil Based Paint, Add	0.08	
			For Work >20', Add	0.26	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.83	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.26	
09 91	13 00-0112	SF	Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 2 Coats Paint, Brush/Roller Work.....	2.43	
			For Oil Based Paint, Add	0.15	
			For Work >20', Add	0.48	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.50	
			For >100 To 250, Add	0.72	
			For >250 To 500, Add	0.31	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.24	
			For >10,000 To 20,000, Deduct	-0.36	
			For >20,000, Deduct	-0.49	
09 91	13 00-0113	SF	Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Primer, Sprayed.....	0.80	
			For Oil Based Paint, Add	0.05	
			For Work >20', Add	0.14	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.46	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91	13 00-0114	SF	Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Paint, Sprayed.....	0.91	
			For Oil Based Paint, Add	0.06	
			For Work >20', Add	0.17	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91	13 00-0115	SF	Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 2 Coats Paint, Sprayed.....	1.71	
			For Oil Based Paint, Add	0.11	
			For Work >20', Add	0.32	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.01	
			For >100 To 250, Add	0.49	
			For >250 To 500, Add	0.21	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.26	
			For >20,000, Deduct	-0.34	

09 91 13 00-0116 Paint Exterior Vinyl Siding (09 91 13 00-0001)

09 Finishes
09 90 Painting And Coating
09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0117	SF	Paint Exterior Vinyl Siding, 1 Coat Primer, Brush Work.....	0.78	
			For Oil Based Paint, Add	0.05	
			For Work >20', Add	0.16	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.50	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91	13 00-0118	SF	Paint Exterior Vinyl Siding, 1 Coat Paint, Brush Work	0.86	
			For Oil Based Paint, Add	0.05	
			For Work >20', Add	0.18	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.56	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91	13 00-0119	SF	Paint Exterior Vinyl Siding, 2 Coats Paint, Brush Work.....	1.57	
			For Oil Based Paint, Add	0.09	
			For Work >20', Add	0.32	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.99	
			For >100 To 250, Add	0.47	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.24	
			For >20,000, Deduct	-0.31	
09 91	13 00-0120	SF	Paint Exterior Vinyl Siding, 1 Coat Primer, Brush/Roller Work.....	0.69	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.13	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.42	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.14	
09 91	13 00-0121	SF	Paint Exterior Vinyl Siding, 1 Coat Paint, Brush/Roller Work	0.69	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.13	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.42	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.14	
09 91	13 00-0122	SF	Paint Exterior Vinyl Siding, 2 Coats Paint, Brush/Roller Work	1.28	
			For Oil Based Paint, Add	0.08	
			For Work >20', Add	0.24	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.76	
			For >100 To 250, Add	0.37	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.26	
09 91	13 00-0123	SF	Paint Exterior Vinyl Siding, 1 Coat Primer, Sprayed	0.54	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.09	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.29	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	



Finishes	09	
Painting And Coating	09 90	9
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0124 SF Paint Exterior Vinyl Siding, 1 Coat Paint, Sprayed.....	0.61	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.09	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.30	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0125 SF Paint Exterior Vinyl Siding, 2 Coats Paint, Sprayed.....	1.19	
For Oil Based Paint, Add	0.09	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.59	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 13 00-0126 Paint Exterior Ceilings (09 91 13)		
09 91 13 00-0127 Paint Exterior Concrete Ceilings (09 91 13 00-0126)		
09 91 13 00-0128 SF Paint Exterior Concrete Ceiling, 1 Coat Filler, Brush Work.....	0.84	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.07	
For Work >20', Add	0.19	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0129 SF Paint Exterior Concrete Ceiling, 1 Coat Paint, Brush Work.....	0.93	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.07	
For Work >20', Add	0.21	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.65	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 13 00-0130 SF Paint Exterior Concrete Ceiling, 2 Coats Paint, Brush Work.....	1.64	
For Oil Based Paint, Add	0.09	
For Epoxy Paint, Add	0.13	
For Work >20', Add	0.37	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.13	
For >100 To 250, Add	0.53	
For >250 To 500, Add	0.23	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.25	
For >20,000, Deduct	-0.33	
09 91 13 00-0131 SF Paint Exterior Concrete Ceiling, 1 Coat Filler, Brush/Roller Work.....	0.63	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.06	
For Work >20', Add	0.13	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.13	
09 91 13 00-0132 SF Paint Exterior Concrete Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.72	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.06	
For Work >20', Add	0.16	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.49	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0133	SF		Paint Exterior Concrete Ceiling, 2 Coats Paint, Brush/Roller Work.....	1.32	
			For Oil Based Paint, Add	0.07	
			For Epoxy Paint, Add	0.11	
			For Work >20', Add	0.29	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.89	
			For >100 To 250, Add	0.42	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.26	
09 91 13 00-0134	SF		Paint Exterior Concrete Ceiling, 1 Coat Filler, Sprayed	0.46	
			For Oil Based Paint, Add	0.03	
			For Epoxy Paint, Add	0.06	
			For Work >20', Add	0.09	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.27	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91 13 00-0135	SF		Paint Exterior Concrete Ceiling, 1 Coat Paint, Sprayed	0.55	
			For Oil Based Paint, Add	0.03	
			For Epoxy Paint, Add	0.06	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
09 91 13 00-0136	SF		Paint Exterior Concrete Ceiling, 2 Coats Paint, Sprayed	0.88	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.10	
			For Work >20', Add	0.17	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.18	
09 91 13 00-0137			Drywall/Plaster <small>(09 91 13 00-0126)</small>		
09 91 13 00-0138	SF		Paint Exterior Drywall/Plaster Ceiling, 1 Coat Primer, Brush Work.....	0.85	
			For Oil Based Paint, Add	0.05	
			For Orange Peel Finish, Add	0.12	
			For Epoxy Paint, Add	0.07	
			For Work >20', Add	0.19	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.58	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
			For Epoxy Paint, Add	0.07	
09 91 13 00-0139	SF		Paint Exterior Drywall/Plaster Ceiling, 1 Coat Paint, Brush Work	0.93	
			For Oil Based Paint, Add	0.05	
			For Orange Peel Finish, Add	0.13	
			For Epoxy Paint, Add	0.07	
			For Work >20', Add	0.21	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.65	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	
			For Epoxy Paint, Add	0.07	



Finishes	09	8
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0140 SF Paint Exterior Drywall/Plaster Ceiling, 2 Coats Paint, Brush Work	1.65	
For Oil Based Paint, Add	0.09	
For Orange Peel Finish, Add	0.24	
For Epoxy Paint, Add	0.13	
For Work >20', Add	0.37	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.14	
For >100 To 250, Add	0.54	
For >250 To 500, Add	0.23	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.25	
For >20,000, Deduct	-0.33	
For Epoxy Paint, Add	0.13	
09 91 13 00-0141 SF Paint Exterior Drywall/Plaster Ceiling, 1 Coat Primer, Brush/Roller Work	0.62	
For Oil Based Paint, Add	0.04	
For Orange Peel Finish, Add	0.09	
For Epoxy Paint, Add	0.06	
For Work >20', Add	0.13	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
For Epoxy Paint, Add	0.06	
09 91 13 00-0142 SF Paint Exterior Drywall/Plaster Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.72	
For Oil Based Paint, Add	0.04	
For Orange Peel Finish, Add	0.10	
For Epoxy Paint, Add	0.06	
For Work >20', Add	0.16	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.49	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
For Epoxy Paint, Add	0.06	
09 91 13 00-0143 SF Paint Exterior Drywall/Plaster Ceiling, 2 Coats Paint, Brush/Roller Work.....	1.32	
For Oil Based Paint, Add	0.07	
For Orange Peel Finish, Add	0.19	
For Epoxy Paint, Add	0.11	
For Work >20', Add	0.29	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.89	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.26	
For Epoxy Paint, Add	0.11	
09 91 13 00-0144 SF Paint Exterior Drywall/Plaster Ceiling, 1 Coat Primer, Sprayed.....	0.46	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Work >20', Add	0.09	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
For Epoxy Paint, Add	0.06	
09 91 13 00-0145 SF Paint Exterior Drywall/Plaster Ceiling, 1 Coat Paint, Sprayed.....	0.55	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
For Epoxy Paint, Add	0.06	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0146 SF Paint Exterior Drywall/Plaster Ceiling, 2 Coats Paint, Sprayed.....	0.89	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.10	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.55	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	
For Epoxy Paint, Add	0.10	
09 91 13 00-0147 Paint Exterior Wood Ceilings (09 91 13 00-0126)		
09 91 13 00-0148 Paint Exterior Smooth Wood Ceilings (09 91 13 00-0147)		
09 91 13 00-0149 SF Paint Exterior Wood Smooth Ceiling, 1 Coat Primer, Brush Work	1.02	
For Oil Based Paint, Add	0.06	
For Work >20', Add	0.22	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.68	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 13 00-0150 SF Paint Exterior Wood Smooth Ceiling, 1 Coat Paint, Brush Work	1.07	
For Oil Based Paint, Add	0.06	
For Work >20', Add	0.24	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.73	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 13 00-0151 SF Paint Exterior Wood Smooth Ceiling, 2 Coats Paint, Brush Work.....	1.95	
For Oil Based Paint, Add	0.11	
For Work >20', Add	0.43	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.31	
For >100 To 250, Add	0.62	
For >250 To 500, Add	0.27	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 20,000, Deduct	-0.29	
For >20,000, Deduct	-0.39	
09 91 13 00-0152 SF Paint Exterior Smooth Wood Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.80	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.16	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0153 SF Paint Exterior Smooth Wood Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.88	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.19	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.58	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	
09 91 13 00-0154 SF Paint Exterior Smooth Wood Ceiling, 2 Coats Paint, Brush/Roller Work	1.56	
For Oil Based Paint, Add	0.09	
For Work >20', Add	0.32	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.00	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.31	



Finishes	09	2
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0155 SF Paint Exterior Smooth Wood Ceiling, 1 Coat Primer, Sprayed	0.57	
For Oil Based Paint, Add	0.03	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.36	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.11	
09 91 13 00-0156 SF Paint Exterior Smooth Wood Ceiling, 1 Coat Paint, Sprayed.....	0.57	
For Oil Based Paint, Add	0.03	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.36	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.11	
09 91 13 00-0157 SF Paint Exterior Smooth Wood Ceiling, 2 Coats Paint, Sprayed.....	1.04	
For Oil Based Paint, Add	0.06	
For Work >20', Add	0.20	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.63	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 13 00-0158 Paint Exterior Rough Wood Ceilings (09 91 13 00-0147)		
09 91 13 00-0159 SF Paint Exterior Wood Rough Ceiling, 1 Coat Primer, Brush Work.....	1.53	
For Oil Based Paint, Add	0.09	
For Work >20', Add	0.33	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.03	
For >100 To 250, Add	0.49	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.31	
09 91 13 00-0160 SF Paint Exterior Wood Rough Ceiling, 1 Coat Paint, Brush Work.....	1.61	
For Oil Based Paint, Add	0.09	
For Work >20', Add	0.37	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.14	
For >100 To 250, Add	0.53	
For >250 To 500, Add	0.23	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.32	
09 91 13 00-0161 SF Paint Exterior Wood Rough Ceiling, 2 Coats Paint, Brush Work	2.79	
For Oil Based Paint, Add	0.15	
For Work >20', Add	0.64	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.94	
For >100 To 250, Add	0.91	
For >250 To 500, Add	0.39	
For >2,500 To 5,000, Deduct	-0.14	
For >5,000 To 10,000, Deduct	-0.28	
For >10,000 To 20,000, Deduct	-0.42	
For >20,000, Deduct	-0.56	
09 91 13 00-0162 SF Paint Exterior Rough Wood Ceiling, 1 Coat Primer, Brush/Roller Work	1.32	
For Oil Based Paint, Add	0.08	
For Work >20', Add	0.26	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.83	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.26	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 91 13 00-0163	SF	Paint Exterior Rough Wood Ceiling, 1 Coat Paint, Brush/Roller Work.....	1.43
		<i>For Oil Based Paint, Add</i>	0.09
		<i>For Work >20', Add</i>	0.29
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Up To 100, Add</i>	0.91
		<i>For >100 To 250, Add</i>	0.43
		<i>For >250 To 500, Add</i>	0.19
		<i>For >2,500 To 5,000, Deduct</i>	-0.07
		<i>For >5,000 To 10,000, Deduct</i>	-0.14
		<i>For >10,000 To 20,000, Deduct</i>	-0.21
		<i>For >20,000, Deduct</i>	-0.29
09 91 13 00-0164	SF	Paint Exterior Rough Wood Ceiling, 2 Coats Paint, Brush/Roller Work.....	2.53
		<i>For Oil Based Paint, Add</i>	0.15
		<i>For Work >20', Add</i>	0.50
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Up To 100, Add</i>	1.58
		<i>For >100 To 250, Add</i>	0.75
		<i>For >250 To 500, Add</i>	0.33
		<i>For >2,500 To 5,000, Deduct</i>	-0.13
		<i>For >5,000 To 10,000, Deduct</i>	-0.25
		<i>For >10,000 To 20,000, Deduct</i>	-0.38
		<i>For >20,000, Deduct</i>	-0.51
09 91 13 00-0165	SF	Paint Exterior Rough Wood Ceiling, 1 Coat Primer, Sprayed.....	0.91
		<i>For Oil Based Paint, Add</i>	0.06
		<i>For Work >20', Add</i>	0.17
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Up To 100, Add</i>	0.54
		<i>For >100 To 250, Add</i>	0.26
		<i>For >250 To 500, Add</i>	0.11
		<i>For >2,500 To 5,000, Deduct</i>	-0.05
		<i>For >5,000 To 10,000, Deduct</i>	-0.09
		<i>For >10,000 To 20,000, Deduct</i>	-0.14
		<i>For >20,000, Deduct</i>	-0.18
09 91 13 00-0166	SF	Paint Exterior Rough Wood Ceiling, 1 Coat Paint, Sprayed.....	1.02
		<i>For Oil Based Paint, Add</i>	0.06
		<i>For Work >20', Add</i>	0.20
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Up To 100, Add</i>	0.63
		<i>For >100 To 250, Add</i>	0.30
		<i>For >250 To 500, Add</i>	0.13
		<i>For >2,500 To 5,000, Deduct</i>	-0.05
		<i>For >5,000 To 10,000, Deduct</i>	-0.10
		<i>For >10,000 To 20,000, Deduct</i>	-0.15
		<i>For >20,000, Deduct</i>	-0.20
09 91 13 00-0167	SF	Paint Exterior Rough Wood Ceiling, 2 Coats Paint, Sprayed.....	1.82
		<i>For Oil Based Paint, Add</i>	0.11
		<i>For Work >20', Add</i>	0.34
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Up To 100, Add</i>	1.10
		<i>For >100 To 250, Add</i>	0.52
		<i>For >250 To 500, Add</i>	0.23
		<i>For >2,500 To 5,000, Deduct</i>	-0.09
		<i>For >5,000 To 10,000, Deduct</i>	-0.18
		<i>For >10,000 To 20,000, Deduct</i>	-0.27
		<i>For >20,000, Deduct</i>	-0.36

09 91 13 00-0168 Paint Exterior Metal Ceilings (09 91 13 00-0126)

09 91 13 00-0169 Paint Exterior Galvanized Ceilings (09 91 13 00-0168)

		<i>Note: Linseed oil or acrylic latex paint.</i>	
09 91 13 00-0170	SF	Paint Exterior Galvanized Ceiling, 1 Coat Primer, Brush Work.....	0.94
		<i>For Work >20', Add</i>	0.21
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Up To 100, Add</i>	0.65
		<i>For >100 To 250, Add</i>	0.31
		<i>For >250 To 500, Add</i>	0.13
		<i>For >2,500 To 5,000, Deduct</i>	-0.05
		<i>For >5,000 To 10,000, Deduct</i>	-0.09
		<i>For >10,000 To 20,000, Deduct</i>	-0.14
		<i>For >20,000, Deduct</i>	-0.19
09 91 13 00-0171	SF	Paint Exterior Galvanized Ceiling, 1 Coat Paint, Brush Work.....	1.04
		<i>For Work >20', Add</i>	0.24
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Up To 100, Add</i>	0.73
		<i>For >100 To 250, Add</i>	0.34
		<i>For >250 To 500, Add</i>	0.15
		<i>For >2,500 To 5,000, Deduct</i>	-0.05
		<i>For >5,000 To 10,000, Deduct</i>	-0.10
		<i>For >10,000 To 20,000, Deduct</i>	-0.16
		<i>For >20,000, Deduct</i>	-0.21



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0172 SF Paint Exterior Galvanized Ceiling, 2 Coats Paint, Brush Work	1.89	
For Work >20', Add	0.43	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.30	
For >100 To 250, Add	0.61	
For >250 To 500, Add	0.26	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.28	
For >20,000, Deduct	-0.38	
09 91 13 00-0173 SF Paint Exterior Galvanized Ceiling, 1 Coat Primer, Brush/Roller Work	0.72	
For Work >20', Add	0.16	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.49	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 13 00-0174 SF Paint Exterior Galvanized Ceiling, 1 Coat Paint, Brush/Roller Work	0.82	
For Work >20', Add	0.19	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0175 SF Paint Exterior Galvanized Ceiling, 2 Coats Paint, Brush/Roller Work	1.43	
For Work >20', Add	0.32	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.98	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.29	
09 91 13 00-0176 SF Paint Exterior Galvanized Ceiling, 1 Coat Primer, Sprayed	0.56	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 13 00-0177 SF Paint Exterior Galvanized Ceiling, 1 Coat Paint, Sprayed	0.67	
For Work >20', Add	0.14	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.44	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0178 SF Paint Exterior Galvanized Ceiling, 2 Coats Paint, Sprayed	1.01	
For Work >20', Add	0.20	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.63	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 13 00-0179 Paint Exterior Aluminum And Aluminum Alloy Ceilings (09 91 13 00-0168)		
Note: Alkyd enamel paint.		
09 91 13 00-0180 SF Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush Work	0.94	
For Work >20', Add	0.21	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.65	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0181	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush Work	1.04	
			For Work >20', Add	0.24	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.73	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
09 91 13 00-0182	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush Work	1.89	
			For Work >20', Add	0.43	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.30	
			For >100 To 250, Add	0.61	
			For >250 To 500, Add	0.26	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.19	
			For >10,000 To 20,000, Deduct	-0.28	
			For >20,000, Deduct	-0.38	
09 91 13 00-0183	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.75	
			For Work >20', Add	0.16	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.50	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
09 91 13 00-0184	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.85	
			For Work >20', Add	0.19	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.57	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91 13 00-0185	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush/Roller Work	1.49	
			For Work >20', Add	0.32	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.99	
			For >100 To 250, Add	0.47	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.30	
09 91 13 00-0186	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Sprayed	0.56	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
09 91 13 00-0187	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Sprayed.....	0.56	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
09 91 13 00-0188	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Sprayed.....	1.01	
			For Work >20', Add	0.20	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.63	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	

09 91 13 00-0189 Paint Exterior Corrugated Metal Ceilings (09 91 13 00-0188)



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0190 SF Paint Exterior Corrugated Metal Ceiling, 1 Coat Primer, Sprayed.....	0.62	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0191 SF Paint Exterior Corrugated Metal Ceiling, 1 Coat Paint, Sprayed.....	0.74	
For Work >20', Add	0.15	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.48	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0192 SF Paint Exterior Corrugated Metal Ceiling, 2 Coats Paint, Sprayed.....	1.30	
For Work >20', Add	0.26	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.83	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.26	
09 91 13 00-0193 Paint Exterior Floors (09 91 13)		
09 91 13 00-0194 Paint Exterior Concrete Floors (09 91 13 00-0193)		
09 91 13 00-0195 SF Paint Exterior Concrete Floors And Decks, 1 Coat Primer, Brush Work.....	0.63	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.13	
09 91 13 00-0196 SF Paint Exterior Concrete Floors And Decks, 1 Coat Paint, Brush Work.....	0.72	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.49	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 13 00-0197 SF Paint Exterior Concrete Floors And Decks, 2 Coats Paint, Brush Work.....	1.32	
For Oil Based Paint, Add	0.07	
For Epoxy Paint, Add	0.11	
For Up To 100, Add	0.89	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.26	
09 91 13 00-0198 SF Paint Exterior Concrete Floors And Decks, 1 Coat Primer, Brush/Roller Work.....	0.51	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.32	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	
09 91 13 00-0199 SF Paint Exterior Concrete Floors And Decks, 1 Coat Paint, Brush/Roller Work.....	0.61	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.41	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0200	SF		Paint Exterior Concrete Floors And Decks, 2 Coats Paint, Brush/Roller Work	0.99	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Epoxy Paint, Add</i>	0.10	
			<i>For Up To 100, Add</i>	0.65	
			<i>For >100 To 250, Add</i>	0.31	
			<i>For >250 To 500, Add</i>	0.13	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.10	
			<i>For >10,000 To 20,000, Deduct</i>	-0.15	
			<i>For >20,000, Deduct</i>	-0.20	
09 91 13 00-0201	SF		Paint Exterior Concrete Floors And Decks, 1 Coat Primer, Sprayed	0.35	
			<i>For Oil Based Paint, Add</i>	0.02	
			<i>For Epoxy Paint, Add</i>	0.05	
			<i>For Up To 100, Add</i>	0.19	
			<i>For >100 To 250, Add</i>	0.09	
			<i>For >250 To 500, Add</i>	0.04	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.04	
			<i>For >10,000 To 20,000, Deduct</i>	-0.05	
			<i>For >20,000, Deduct</i>	-0.07	
09 91 13 00-0202	SF		Paint Exterior Concrete Floors And Decks, 1 Coat Paint, Sprayed.....	0.44	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Epoxy Paint, Add</i>	0.05	
			<i>For Up To 100, Add</i>	0.27	
			<i>For >100 To 250, Add</i>	0.13	
			<i>For >250 To 500, Add</i>	0.06	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.04	
			<i>For >10,000 To 20,000, Deduct</i>	-0.07	
			<i>For >20,000, Deduct</i>	-0.09	
09 91 13 00-0203	SF		Paint Exterior Concrete Floors And Decks, 2 Coats Paint, Sprayed.....	0.77	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Epoxy Paint, Add</i>	0.10	
			<i>For Up To 100, Add</i>	0.46	
			<i>For >100 To 250, Add</i>	0.22	
			<i>For >250 To 500, Add</i>	0.10	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.08	
			<i>For >10,000 To 20,000, Deduct</i>	-0.12	
			<i>For >20,000, Deduct</i>	-0.15	
09 91 13 00-0204	SF		Paint Exterior Concrete Floors And Decks, 1 Coat Non Slip Paint, Brush/Roller Work.....	1.41	
			<i>For Up To 100, Add</i>	0.53	
			<i>For >100 To 250, Add</i>	0.27	
			<i>For >250 To 500, Add</i>	0.12	
			<i>For >2,500 To 5,000, Deduct</i>	-0.07	
			<i>For >5,000 To 10,000, Deduct</i>	-0.14	
			<i>For >10,000 To 20,000, Deduct</i>	-0.21	
			<i>For >20,000, Deduct</i>	-0.28	
09 91 13 00-0205	SF		Paint Exterior Concrete Floors And Decks, 1 Coat Anti-Slip, Single Component Epoxy Coating, Brush/Roller Work	3.10	
			<i>For Up To 100, Add</i>	0.78	
			<i>For >100 To 250, Add</i>	0.44	
			<i>For >250 To 500, Add</i>	0.21	
			<i>For >2,500 To 5,000, Deduct</i>	-0.16	
			<i>For >5,000 To 10,000, Deduct</i>	-0.31	
			<i>For >10,000 To 20,000, Deduct</i>	-0.47	
			<i>For >20,000, Deduct</i>	-0.62	
09 91 13 00-0206	SF		Paint Exterior Concrete Floors And Decks, 1 Coat Anti-Slip High Performance Epoxy Coating, Brush/Roller Work.....	3.81	
			<i>For Up To 100, Add</i>	0.89	
			<i>For >100 To 250, Add</i>	0.51	
			<i>For >250 To 500, Add</i>	0.24	
			<i>For >2,500 To 5,000, Deduct</i>	-0.19	
			<i>For >5,000 To 10,000, Deduct</i>	-0.38	
			<i>For >10,000 To 20,000, Deduct</i>	-0.57	
			<i>For >20,000, Deduct</i>	-0.76	
09 91 13 00-0207			Paint Exterior Wood Floors <small>(09 91 13 00-0193)</small>		
09 91 13 00-0208	SF		Paint Exterior Wood Floors And Decks, 1 Coat Primer, Brush Work	0.78	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Up To 100, Add</i>	0.50	
			<i>For >100 To 250, Add</i>	0.24	
			<i>For >250 To 500, Add</i>	0.10	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.08	
			<i>For >10,000 To 20,000, Deduct</i>	-0.12	
			<i>For >20,000, Deduct</i>	-0.16	
09 91 13 00-0209	SF		Paint Exterior Wood Floors And Decks, 1 Coat Paint, Brush Work.....	0.86	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Up To 100, Add</i>	0.57	
			<i>For >100 To 250, Add</i>	0.27	
			<i>For >250 To 500, Add</i>	0.12	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.09	
			<i>For >10,000 To 20,000, Deduct</i>	-0.13	
			<i>For >20,000, Deduct</i>	-0.17	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0210 SF Paint Exterior Wood Floors And Decks, 2 Coats Paint, Brush Work.....	1.62	
For Oil Based Paint, Add	0.09	
For Up To 100, Add	1.07	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.32	
09 91 13 00-0211 SF Paint Exterior Wood Floors And Decks, 1 Coat Primer, Brush/Roller Work.....	0.70	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.43	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 13 00-0212 SF Paint Exterior Wood Floors And Decks, 1 Coat Paint, Brush/Roller Work.....	0.78	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0213 SF Paint Exterior Wood Floors And Decks, 2 Coats Paint, Brush/Roller Work.....	1.24	
For Oil Based Paint, Add	0.08	
For Up To 100, Add	0.76	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.25	
09 91 13 00-0214 SF Paint Exterior Wood Floors And Decks, 1 Coat Primer, Sprayed.....	0.46	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0215 SF Paint Exterior Wood Floors And Decks, 1 Coat Paint, Sprayed.....	0.57	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.36	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.11	
09 91 13 00-0216 SF Paint Exterior Wood Floors And Decks, 2 Coats Paint, Sprayed.....	0.93	
For Oil Based Paint, Add	0.06	
For Up To 100, Add	0.55	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 13 00-0217 SF Paint Exterior Wood Floors And Decks, 1 Coat Non Slip Paint, Brush Work.....	1.52	
For Up To 100, Add	0.61	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.30	
09 91 13 00-0218 SF Paint Exterior Wood Floors And Decks, 1 Coat Non Slip Epoxy Coating, Brush Work.....	3.92	
For Up To 100, Add	0.97	
For >100 To 250, Add	0.55	
For >250 To 500, Add	0.26	
For >2,500 To 5,000, Deduct	-0.20	
For >5,000 To 10,000, Deduct	-0.39	
For >10,000 To 20,000, Deduct	-0.59	
For >20,000, Deduct	-0.78	
09 91 13 00-0219 Paint Exterior Doors And Windows (09 91 13)		
09 91 13 00-0220 Paint Exterior Door Frames (09 91 13 00-0219)		
09 91 13 00-0221 LF Paint Exterior Wood Door Frame And Trim, 1 Coat Primer, Brush/Roller Work.....	1.08	
For Painting Either Interior Or Exterior Only, Deduct	-0.28	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0222 LF Paint Exterior Wood Door Frame And Trim, 1 Coat Paint, Brush/Roller Work.....	1.42	
<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.37	
09 91 13 00-0223 LF Paint Exterior Wood Door Frame And Trim, 2 Coats Paint, Brush/Roller Work.....	2.40	
<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.62	
09 91 13 00-0224 LF Paint Exterior Metal Door Frame And Trim, 1 Coat Primer, Brush/Roller Work.....	1.05	
<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.27	
09 91 13 00-0225 LF Paint Exterior Metal Door Frame And Trim, 1 Coat Paint, Brush/Roller Work.....	1.39	
<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.35	
09 91 13 00-0226 LF Paint Exterior Metal Door Frame And Trim, 2 Coats Paint, Brush/Roller Work.....	2.35	
<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.60	
09 91 13 00-0227 Paint Exterior Metal Doors <small>(09 91 13 00-0219)</small>		
09 91 13 00-0228 EA Paint Exterior Metal Door, One Face, 1 Coat Primer, Brush/Roller Work.....	37.16	
<i>For Half Louvered Door, Add</i>	4.60	
<i>For Full Louvered Door, Add</i>	7.67	
<i>For Electrostatic Painting, Add</i>	4.69	
<i>For >5 To 10, Deduct</i>	-1.86	
<i>For >10 To 25, Deduct</i>	-3.72	
<i>For >25, Deduct</i>	-5.57	
09 91 13 00-0229 EA Paint Exterior Metal Door, One Face, 1 Coat Paint, Brush/Roller Work.....	37.16	
<i>For Half Louvered Door, Add</i>	4.60	
<i>For Full Louvered Door, Add</i>	7.67	
<i>For Electrostatic Painting, Add</i>	4.69	
<i>For >5 To 10, Deduct</i>	-1.86	
<i>For >10 To 25, Deduct</i>	-3.72	
<i>For >25, Deduct</i>	-5.57	
09 91 13 00-0230 EA Paint Exterior Metal Door, One Face, 2 Coats Paint, Brush/Roller Work.....	64.70	
<i>For Half Louvered Door, Add</i>	7.77	
<i>For Full Louvered Door, Add</i>	12.95	
<i>For Electrostatic Painting, Add</i>	8.40	
<i>For >5 To 10, Deduct</i>	-3.24	
<i>For >10 To 25, Deduct</i>	-6.47	
<i>For >25, Deduct</i>	-9.71	
09 91 13 00-0231 EA Paint Exterior Metal Door, Both Faces, 1 Coat Primer, Brush/Roller Work.....	66.66	
<i>For Half Louvered Door, Add</i>	8.25	
<i>For Full Louvered Door, Add</i>	13.75	
<i>For Electrostatic Painting, Add</i>	8.42	
<i>For >5 To 10, Deduct</i>	-3.33	
<i>For >10 To 25, Deduct</i>	-6.67	
<i>For >25, Deduct</i>	-10.00	
09 91 13 00-0232 EA Paint Exterior Metal Door, Both Faces, 1 Coat Paint, Brush/Roller Work.....	66.66	
<i>For Half Louvered Door, Add</i>	8.25	
<i>For Full Louvered Door, Add</i>	13.75	
<i>For Electrostatic Painting, Add</i>	8.42	
<i>For >5 To 10, Deduct</i>	-3.33	
<i>For >10 To 25, Deduct</i>	-6.67	
<i>For >25, Deduct</i>	-10.00	
09 91 13 00-0233 EA Paint Exterior Metal Door, Both Faces, 2 Coats Paint, Brush/Roller Work.....	116.37	
<i>For Half Louvered Door, Add</i>	13.96	
<i>For Full Louvered Door, Add</i>	23.26	
<i>For Electrostatic Painting, Add</i>	15.14	
<i>For >5 To 10, Deduct</i>	-5.82	
<i>For >10 To 25, Deduct</i>	-11.64	
<i>For >25, Deduct</i>	-17.46	
09 91 13 00-0234 EA Paint Exterior Metal Door, One Face, 1 Coat Primer, Sprayed.....	29.13	
<i>For Half Louvered Door, Add</i>	3.30	
<i>For Full Louvered Door, Add</i>	5.50	
<i>For Electrostatic Painting, Add</i>	3.98	
<i>For >5 To 10, Deduct</i>	-1.46	
<i>For >10 To 25, Deduct</i>	-2.91	
<i>For >25, Deduct</i>	-4.37	
09 91 13 00-0235 EA Paint Exterior Metal Door, One Face, 1 Coat Paint, Sprayed.....	29.13	
<i>For Half Louvered Door, Add</i>	3.30	
<i>For Full Louvered Door, Add</i>	5.50	
<i>For Electrostatic Painting, Add</i>	3.98	
<i>For >5 To 10, Deduct</i>	-1.46	
<i>For >10 To 25, Deduct</i>	-2.91	
<i>For >25, Deduct</i>	-4.37	
09 91 13 00-0236 EA Paint Exterior Metal Door, One Face, 2 Coats Paint, Sprayed.....	51.31	
<i>For Half Louvered Door, Add</i>	5.57	
<i>For Full Louvered Door, Add</i>	9.28	
<i>For Electrostatic Painting, Add</i>	7.26	
<i>For >5 To 10, Deduct</i>	-2.57	
<i>For >10 To 25, Deduct</i>	-5.13	
<i>For >25, Deduct</i>	-7.70	
09 91 13 00-0237 EA Paint Exterior Metal Door, Both Faces, 1 Coat Primer, Sprayed.....	52.26	
<i>For Half Louvered Door, Add</i>	5.91	
<i>For Full Louvered Door, Add</i>	9.86	
<i>For Electrostatic Painting, Add</i>	7.15	
<i>For >5 To 10, Deduct</i>	-2.61	
<i>For >10 To 25, Deduct</i>	-5.23	
<i>For >25, Deduct</i>	-7.84	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0238 EA Paint Exterior Metal Door, Both Faces, 1 Coat Paint, Sprayed.....	52.26	
For Half Louvered Door, Add	5.91	
For Full Louvered Door, Add	9.86	
For Electrostatic Painting, Add	7.15	
For >5 To 10, Deduct	-2.61	
For >10 To 25, Deduct	-5.23	
For >25, Deduct	-7.84	
09 91 13 00-0239 EA Paint Exterior Metal Door, Both Faces, 2 Coats Paint, Sprayed.....	92.37	
For Half Louvered Door, Add	10.01	
For Full Louvered Door, Add	16.68	
For Electrostatic Painting, Add	13.08	
For >5 To 10, Deduct	-4.62	
For >10 To 25, Deduct	-9.24	
For >25, Deduct	-13.86	
09 91 13 00-0240 SF Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 1 Coat Primer, Brush/Roller Work.....	2.21	
For Electrostatic Painting, Add	0.24	
09 91 13 00-0241 SF Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 1 Coat Paint, Brush/Roller Work.....	2.25	
For Electrostatic Painting, Add	0.25	
09 91 13 00-0242 SF Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 2 Coats Paint, Brush/Roller Work.....	4.68	
For Electrostatic Painting, Add	0.51	
09 91 13 00-0243 SF Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 1 Coat Primer, Sprayed.....	2.18	
For Electrostatic Painting, Add	0.23	
09 91 13 00-0244 SF Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 1 Coat Paint, Sprayed.....	2.22	
For Electrostatic Painting, Add	0.24	
09 91 13 00-0245 SF Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 2 Coats Paint, Sprayed.....	4.31	
For Electrostatic Painting, Add	0.47	
09 91 13 00-0246 Paint Exterior Wood Doors (09 91 13 00-0219)		
09 91 13 00-0247 EA Paint Exterior Wood Door, One Face, 1 Coat Primer, Brush/Roller Work.....	40.35	
For Half Louvered Door, Add	4.60	
For Full Louvered Door, Add	7.67	
For >5 To 10, Deduct	-2.02	
For >10 To 25, Deduct	-4.04	
For >25, Deduct	-6.05	
09 91 13 00-0248 EA Paint Exterior Wood Door, One Face, 1 Coat Paint, Brush/Roller Work.....	40.35	
For Half Louvered Door, Add	4.60	
For Full Louvered Door, Add	7.67	
For >5 To 10, Deduct	-2.02	
For >10 To 25, Deduct	-4.04	
For >25, Deduct	-6.05	
09 91 13 00-0249 EA Paint Exterior Wood Door, One Face, 2 Coats Paint, Brush/Roller Work.....	71.06	
For Half Louvered Door, Add	7.77	
For Full Louvered Door, Add	12.95	
For >5 To 10, Deduct	-3.55	
For >10 To 25, Deduct	-7.11	
For >25, Deduct	-10.66	
09 91 13 00-0250 EA Paint Exterior Wood Door, Both Faces, 1 Coat Primer, Brush/Roller Work.....	72.40	
For Half Louvered Door, Add	8.25	
For Full Louvered Door, Add	13.75	
For >5 To 10, Deduct	-3.62	
For >10 To 25, Deduct	-7.24	
For >25, Deduct	-10.86	
09 91 13 00-0251 EA Paint Exterior Wood Door, Both Faces, 1 Coat Paint, Brush/Roller Work.....	72.40	
For Half Louvered Door, Add	8.25	
For Full Louvered Door, Add	13.75	
For >5 To 10, Deduct	-3.62	
For >10 To 25, Deduct	-7.24	
For >25, Deduct	-10.86	
09 91 13 00-0252 EA Paint Exterior Wood Door, Both Faces, 2 Coats Paint, Brush/Roller Work.....	127.86	
For Half Louvered Door, Add	13.96	
For Full Louvered Door, Add	23.26	
For >5 To 10, Deduct	-6.39	
For >10 To 25, Deduct	-12.79	
For >25, Deduct	-19.18	
09 91 13 00-0253 EA Paint Exterior Wood Door, One Face, 1 Coat Primer, Sprayed.....	32.64	
For Half Louvered Door, Add	3.30	
For Full Louvered Door, Add	5.50	
For >5 To 10, Deduct	-1.63	
For >10 To 25, Deduct	-3.26	
For >25, Deduct	-4.90	
09 91 13 00-0254 EA Paint Exterior Wood Door, One Face, 1 Coat Paint, Sprayed.....	32.64	
For Half Louvered Door, Add	3.30	
For Full Louvered Door, Add	5.50	
For >5 To 10, Deduct	-1.63	
For >10 To 25, Deduct	-3.26	
For >25, Deduct	-4.90	
09 91 13 00-0255 EA Paint Exterior Wood Door, One Face, 2 Coats Paint, Sprayed.....	58.33	
For Half Louvered Door, Add	5.57	
For Full Louvered Door, Add	9.29	
For >5 To 10, Deduct	-2.92	
For >10 To 25, Deduct	-5.83	
For >25, Deduct	-8.75	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0256	EA		Paint Exterior Wood Door, Both Faces, 1 Coat Primer, Sprayed.....	58.57	
			<i>For Half Louvered Door, Add</i>	5.91	
			<i>For Full Louvered Door, Add</i>	9.86	
			<i>For >5 To 10, Deduct</i>	-2.93	
			<i>For >10 To 25, Deduct</i>	-5.86	
			<i>For >25, Deduct</i>	-8.79	
09 91 13 00-0257	EA		Paint Exterior Wood Door, Both Faces, 1 Coat Paint, Sprayed.....	58.57	
			<i>For Half Louvered Door, Add</i>	5.91	
			<i>For Full Louvered Door, Add</i>	9.86	
			<i>For >5 To 10, Deduct</i>	-2.93	
			<i>For >10 To 25, Deduct</i>	-5.86	
			<i>For >25, Deduct</i>	-8.79	
09 91 13 00-0258	EA		Paint Exterior Wood Door, Both Faces, 2 Coats Paint, Sprayed.....	105.01	
			<i>For Half Louvered Door, Add</i>	10.01	
			<i>For Full Louvered Door, Add</i>	16.68	
			<i>For >5 To 10, Deduct</i>	-5.25	
			<i>For >10 To 25, Deduct</i>	-10.50	
			<i>For >25, Deduct</i>	-15.75	
09 91 13 00-0259	SF		Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 1 Coat Primer, Brush/Roller Work.....	2.27	
09 91 13 00-0260	SF		Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 1 Coat Paint, Brush/Roller Work.....	2.33	
09 91 13 00-0261	SF		Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 2 Coats Paint, Brush/Roller Work.....	4.82	
09 91 13 00-0262	SF		Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 1 Coat Primer, Sprayed.....	2.23	
09 91 13 00-0263	SF		Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 1 Coat Paint, Sprayed.....	2.30	
09 91 13 00-0264	SF		Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 2 Coats Paint, Sprayed.....	4.45	
09 91 13 00-0265			Paint Exterior Metal Windows (09 91 13 00-0219)		
			Note: Two finish coats paint over rust inhibitive primer.		
09 91 13 00-0266	EA		Up To 8 SF Window Size, Paint Exterior Metal Window Including Trim.....	73.07	
			<i>For Electrostatic Painting, Add</i>	7.95	
			<i>For >5 To 10, Deduct</i>	-3.65	
			<i>For >10 To 25, Deduct</i>	-7.31	
			<i>For >25, Deduct</i>	-10.96	
09 91 13 00-0267	EA		>8 To 14 SF Window Size, Paint Exterior Metal Window Including Trim.....	85.98	
			<i>For Electrostatic Painting, Add</i>	9.60	
			<i>For >5 To 10, Deduct</i>	-4.30	
			<i>For >10 To 25, Deduct</i>	-8.60	
			<i>For >25, Deduct</i>	-12.90	
09 91 13 00-0268	EA		>14 To 20 SF Window Size, Paint Exterior Metal Window Including Trim.....	115.23	
			<i>For Electrostatic Painting, Add</i>	12.94	
			<i>For >5 To 10, Deduct</i>	-5.76	
			<i>For >10 To 25, Deduct</i>	-11.52	
			<i>For >25, Deduct</i>	-17.28	
09 91 13 00-0269	EA		>20 To 26 SF Window Size, Paint Exterior Metal Window Including Trim.....	129.69	
			<i>For Electrostatic Painting, Add</i>	14.57	
			<i>For >5 To 10, Deduct</i>	-6.48	
			<i>For >10 To 25, Deduct</i>	-12.97	
			<i>For >25, Deduct</i>	-19.45	
09 91 13 00-0270	EA		>26 To 34 SF Window Size, Paint Exterior Metal Window Including Trim.....	143.98	
			<i>For Electrostatic Painting, Add</i>	16.16	
			<i>For >5 To 10, Deduct</i>	-7.20	
			<i>For >10 To 25, Deduct</i>	-14.40	
			<i>For >25, Deduct</i>	-21.60	
09 91 13 00-0271	SF		>34 SF Window Size, Paint Exterior Metal Window Including Trim.....	4.57	
			<i>For Electrostatic Painting, Add</i>	0.51	
09 91 13 00-0272			Paint Exterior Wood Windows (09 91 13 00-0219)		
			Note: Two finish coats paint over primer.		
09 91 13 00-0273	EA		Up To 8 SF Window Size, Paint Exterior Wood Window Including Trim.....	75.19	
			<i>For >5 To 10, Deduct</i>	-3.76	
			<i>For >10 To 25, Deduct</i>	-7.52	
			<i>For >25, Deduct</i>	-11.28	
09 91 13 00-0274	EA		>8 To 14 SF Window Size, Paint Exterior Wood Window Including Trim.....	89.26	
			<i>For >5 To 10, Deduct</i>	-4.46	
			<i>For >10 To 25, Deduct</i>	-8.93	
			<i>For >25, Deduct</i>	-13.39	
09 91 13 00-0275	EA		>14 To 20 SF Window Size, Paint Exterior Wood Window Including Trim.....	119.88	
			<i>For >5 To 10, Deduct</i>	-5.99	
			<i>For >10 To 25, Deduct</i>	-11.99	
			<i>For >25, Deduct</i>	-17.98	
09 91 13 00-0276	EA		>20 To 26 SF Window Size, Paint Exterior Wood Window Including Trim.....	134.96	
			<i>For >5 To 10, Deduct</i>	-6.75	
			<i>For >10 To 25, Deduct</i>	-13.50	
			<i>For >25, Deduct</i>	-20.24	
09 91 13 00-0277	EA		>26 To 34 SF Window Size, Paint Exterior Wood Window Including Trim.....	149.77	
			<i>For >5 To 10, Deduct</i>	-7.49	
			<i>For >10 To 25, Deduct</i>	-14.98	
			<i>For >25, Deduct</i>	-22.47	
09 91 13 00-0278	SF		>34 SF Window Size, Paint Exterior Wood Window Including Trim.....	5.02	
09 91 13 00-0279			Paint Exterior Security Screens (09 91 13 00-0219)		
09 91 13 00-0280	SF		Paint Exterior Security Screen, 1 Coat Primer, Brush/Roller Work.....	1.17	
			<i>For Electrostatic Painting, Add</i>	0.13	



Finishes	09	
Painting And Coating	09 90	9
Painting	09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0281	SF	Paint Exterior Security Screen, 1 Coat Paint, Brush/Roller Work <i>For Electrostatic Painting, Add</i>	1.26 0.14	
09 91	13 00-0282	SF	Paint Exterior Security Screen, 2 Coats Paint, Brush/Roller Work <i>For Electrostatic Painting, Add</i>	2.06 0.22	
09 91 13 00-0283 Paint Exterior Window Guards (09 91 13 00-0219)					
09 91	13 00-0284	SF	Paint Exterior Metal Window Guards, 1 Coat Primer, Brush/Roller Work	1.17	
09 91	13 00-0285	SF	Paint Exterior Metal Window Guards, 1 Coat Paint, Brush/Roller Work	1.26	
09 91	13 00-0286	SF	Paint Exterior Metal Window Guards, 2 Coats Paint, Brush/Roller Work	2.06	
09 91 13 00-0287 Paint Exterior Window Trim (09 91 13 00-0219)					
09 91	13 00-0288	LF	Paint Exterior Wood Window Frame And Trim, 1 Coat Primer, Brush/Roller Work	1.12	
09 91	13 00-0289	LF	Paint Exterior Wood Window Frame And Trim, 1 Coat Paint, Brush/Roller Work	1.12	
09 91	13 00-0290	LF	Paint Exterior Wood Window Frame And Trim, 2 Coats Paint, Brush/Roller Work	1.78	
09 91	13 00-0291	LF	Paint Exterior Metal Window Frame And Trim, 1 Coat Primer, Brush/Roller Work	1.10	
09 91	13 00-0292	LF	Paint Exterior Metal Window Frame And Trim, 1 Coat Paint, Brush/Roller Work	1.10	
09 91	13 00-0293	LF	Paint Exterior Metal Window Frame And Trim, 2 Coats Paint, Brush/Roller Work	1.74	
09 91 13 00-0294 Paint Roofing And Trim (09 91 13)					
09 91 13 00-0295 Paint Stain Or Seal Wood Roofing (09 91 13 00-0294)					
09 91	13 00-0296	SF	Stain And Seal Shingles/Shake, 1 Coat, Brush/Roller Work	1.50	
			<i>For Up To 100, Add</i>	0.87	
			<i>For >100 To 250, Add</i>	0.42	
			<i>For >250 To 500, Add</i>	0.18	
09 91	13 00-0297	SF	Stain And Seal Shingles/Shake, 2 Coats, Brush/Roller Work	2.76	
			<i>For Up To 100, Add</i>	1.58	
			<i>For >100 To 250, Add</i>	0.76	
			<i>For >250 To 500, Add</i>	0.33	
09 91 13 00-0298 Paint Metal Roofing (09 91 13 00-0294)					
09 91	13 00-0299	SF	Paint Metal Roofing, 1 Coat Paint, Brush/Roller Work	0.55	
			<i>For Up To 100, Add</i>	0.34	
			<i>For >100 To 250, Add</i>	0.16	
			<i>For >250 To 500, Add</i>	0.07	
09 91	13 00-0300	SF	Paint Metal Roofing, 2 Coats Paint, Brush/Roller Work	0.98	
			<i>For Up To 100, Add</i>	0.61	
			<i>For >100 To 250, Add</i>	0.29	
			<i>For >250 To 500, Add</i>	0.13	
09 91 13 00-0301 Paint Fascia Board (09 91 13 00-0294)					
09 91	13 00-0302	LF	Paint Fascia Board, 1 Coat Primer, Brush/Roller Work	0.61	
			<i>For Up To 100, Add</i>	0.35	
			<i>For >100 To 250, Add</i>	0.17	
			<i>For >250 To 500, Add</i>	0.07	
09 91	13 00-0303	LF	Paint Fascia Board, 1 Coat Paint, Brush/Roller Work	0.61	
			<i>For Up To 100, Add</i>	0.35	
			<i>For >100 To 250, Add</i>	0.17	
			<i>For >250 To 500, Add</i>	0.07	
09 91	13 00-0304	LF	Paint Fascia Board, 2 Coats Paint, Brush/Roller Work	1.08	
			<i>For Up To 100, Add</i>	0.62	
			<i>For >100 To 250, Add</i>	0.30	
			<i>For >250 To 500, Add</i>	0.13	
09 91 13 00-0305 Paint Soffit (09 91 13 00-0294)					
09 91	13 00-0306	SF	Paint Soffit, 1 Coat Primer, Brush/Roller Work	0.70	
			<i>For Up To 100, Add</i>	0.36	
			<i>For >100 To 250, Add</i>	0.18	
			<i>For >250 To 500, Add</i>	0.08	
09 91	13 00-0307	SF	Paint Soffit, 1 Coat Paint, Brush/Roller Work	0.70	
			<i>For Up To 100, Add</i>	0.36	
			<i>For >100 To 250, Add</i>	0.18	
			<i>For >250 To 500, Add</i>	0.08	
09 91	13 00-0308	SF	Paint Soffit, 2 Coats Paint, Brush/Roller Work	1.20	
			<i>For Up To 100, Add</i>	0.64	
			<i>For >100 To 250, Add</i>	0.31	
			<i>For >250 To 500, Add</i>	0.14	
09 91 13 00-0309 Paint Site Work (09 91 13)					
Note: Tasks can be used for exterior or interior applications.					
09 91 13 00-0310 Paint Structural Steel (09 91 13 00-0309)					
09 91 13 00-0311 Paint Structural Steel, Brush Work (09 91 13 00-0310)					

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0312	SF	Paint Structural Steel, 1 Field Coat Primer, Brush/Roller Work	0.81	
			For Up To 100, Add	0.57	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For Epoxy Paint, Add	0.06	
09 91	13 00-0313	SF	Paint Structural Steel, 1 Field Coat Paint, Brush/Roller Work.....	0.71	
			For Up To 100, Add	0.50	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For Epoxy Paint, Add	0.05	
09 91	13 00-0314		Paint Structural Steel, Spray Work (09 91 13 00-0310)		
09 91	13 00-0315	SF	Paint Structural Steel, 1 Field Coat Primer, Spray Work.....	0.52	
			For Electrostatic Painting, Add	0.06	
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For Epoxy Paint, Add	0.04	
09 91	13 00-0316	SF	Paint Structural Steel, 1 Field Coat Paint, Spray Work.....	0.41	
			For Electrostatic Painting, Add	0.05	
			For Up To 100, Add	0.27	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.06	
			For Epoxy Paint, Add	0.04	
09 91	13 00-0317		Paint Metal Decking, Beams And Bar Joist (09 91 13 00-0310)		
09 91	13 00-0318	SF	Paint Exposed Metal Decking, 1 Coat Primer, Sprayed.....	0.60	
			For Up To 100, Add	0.41	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.08	
			For Epoxy Paint, Add	0.05	
09 91	13 00-0319	SF	Paint Exposed Metal Decking, 1 Coat Paint, Sprayed	0.60	
			For Up To 100, Add	0.41	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.08	
			For Epoxy Paint, Add	0.05	
09 91	13 00-0320	SF	Paint Exposed Metal Decking, 2 Coats Paint, Sprayed	0.99	
			For Up To 100, Add	0.66	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.14	
			For Epoxy Paint, Add	0.09	
09 91	13 00-0321	SF	Paint Metal Beams And Bar Joists, 1 Coat Primer, Brush/Roller Work.....	0.93	
			For Up To 100, Add	0.63	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For Epoxy Paint, Add	0.08	
09 91	13 00-0322	SF	Paint Metal Beams And Bar Joists, 1 Coat Paint, Brush/Roller Work.....	0.93	
			For Up To 100, Add	0.63	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For Epoxy Paint, Add	0.08	
09 91	13 00-0323	SF	Paint Metal Beams And Bar Joists, 2 Coats Paint, Brush/Roller Work	1.73	
			For Up To 100, Add	1.17	
			For >100 To 250, Add	0.55	
			For >250 To 500, Add	0.24	
			For Epoxy Paint, Add	0.15	
09 91	13 00-0324	SF	Paint Metal Beams And Bar Joists, 1 Coat Primer, Sprayed	0.72	
			For Up To 100, Add	0.49	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For Epoxy Paint, Add	0.06	
09 91	13 00-0325	SF	Paint Metal Beams And Bar Joists, 1 Coat Paint, Sprayed.....	0.72	
			For Up To 100, Add	0.49	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For Epoxy Paint, Add	0.06	
09 91	13 00-0326	SF	Paint Metal Beams And Bar Joists, 2 Coats Paint, Sprayed.....	1.18	
			For Up To 100, Add	0.78	
			For >100 To 250, Add	0.37	
			For >250 To 500, Add	0.16	
			For Epoxy Paint, Add	0.11	
09 91	13 00-0327		Paint Steel Pipes (09 91 13 00-0309)		
			Note: Includes pipe, tubes, rails, conduit, etc.		
09 91	13 00-0328	LF	Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, 1 Coat Primer.....	1.41	
			For Electrostatic Painting, Add	0.15	
			For Epoxy Paint, Add	0.10	
09 91	13 00-0329	LF	Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, 1 Coat Primer.....	1.58	
			For Electrostatic Painting, Add	0.17	
			For Epoxy Paint, Add	0.11	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0330 LF Paint Steel Pipes 4" Diameter, 1 Coat Primer.....	1.78	
For Electrostatic Painting, Add	0.20	
For Epoxy Paint, Add	0.13	
09 91 13 00-0331 LF Paint Steel Pipes 6" To 8" Diameter, 1 Coat Primer	2.23	
For Electrostatic Painting, Add	0.25	
For Epoxy Paint, Add	0.16	
09 91 13 00-0332 LF Paint Steel Pipes 10" To 12" Diameter 1 Coat Primer	2.84	
For Electrostatic Painting, Add	0.31	
For Epoxy Paint, Add	0.20	
09 91 13 00-0333 LF Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, 1 Coat Paint	1.41	
For Electrostatic Painting, Add	0.15	
For Epoxy Paint, Add	0.10	
09 91 13 00-0334 LF Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, 1 Coat Paint.....	1.58	
For Electrostatic Painting, Add	0.17	
For Epoxy Paint, Add	0.11	
09 91 13 00-0335 LF Paint Steel Pipes 4" Diameter, 1 Coat Paint.....	1.78	
For Electrostatic Painting, Add	0.20	
For Epoxy Paint, Add	0.13	
09 91 13 00-0336 LF Paint Steel Pipes 6" To 8" Diameter, 1 Coat Paint.....	2.23	
For Electrostatic Painting, Add	0.25	
For Epoxy Paint, Add	0.16	
09 91 13 00-0337 LF Paint Steel Pipes 10" To 12" Diameter 1 Coat Paint.....	2.84	
For Electrostatic Painting, Add	0.31	
For Epoxy Paint, Add	0.20	
09 91 13 00-0338 LF Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, 2 Coats	2.77	
For Electrostatic Painting, Add	0.31	
For Epoxy Paint, Add	0.21	
09 91 13 00-0339 LF Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, 2 Coats	3.16	
For Electrostatic Painting, Add	0.35	
For Epoxy Paint, Add	0.22	
09 91 13 00-0340 LF Paint Steel Pipes 4" Diameter, 2 Coats	3.40	
For Electrostatic Painting, Add	0.38	
For Epoxy Paint, Add	0.25	
09 91 13 00-0341 LF Paint Steel Pipes 6" To 8" Diameter, 2 Coats	4.31	
For Electrostatic Painting, Add	0.48	
For Epoxy Paint, Add	0.31	
09 91 13 00-0342 LF Paint Steel Pipes 10" To 12" Diameter, 2 Coats	5.28	
For Electrostatic Painting, Add	0.59	
For Epoxy Paint, Add	0.38	
09 91 13 00-0343 EA Paint Exposed Single Or Double Gang, Outlet Box, 1 Coat Paint	7.72	
For Electrostatic Painting, Add	0.79	
For Epoxy Paint, Add	0.42	
09 91 13 00-0344 Paint Fencing <small>(09 91 13 00-0309)</small>		
Note: Per side of fence. Based on gross fence area (length of fence x height of fence).		
09 91 13 00-0345 SF Paint Existing Chain Link Fence, 1 Coat Paint, Brush/Roller.....	0.69	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.49	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
09 91 13 00-0346 SF Paint Existing Chain Link Fence, 2 Coats Paint, Brush/Roller	1.28	
For Epoxy Paint, Add	0.10	
For Up To 100, Add	0.89	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.18	
09 91 13 00-0347 SF Paint Existing Chain Link Fence, 1 Coat Paint, Sprayed	0.52	
For Epoxy Paint, Add	0.05	
For Electrostatic Painting, Add	0.06	
For Up To 100, Add	0.35	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
09 91 13 00-0348 SF Paint Existing Chain Link Fence, 2 Coats Paint, Sprayed	0.97	
For Epoxy Paint, Add	0.09	
For Electrostatic Painting, Add	0.12	
For Up To 100, Add	0.64	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
09 91 13 00-0349 SF Paint Wrought Iron Fence, 1 Coat Primer, Brush/Roller	0.60	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.41	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
09 91 13 00-0350 SF Paint Wrought Iron Fence, 1 Coat, Brush/Roller.....	0.58	
For Epoxy Paint, Add	0.04	
For Up To 100, Add	0.41	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
09 91 13 00-0351 SF Paint Wrought Iron Fence, Each Additional Coat, Brush/Roller.....	0.38	
For Epoxy Paint, Add	0.03	
For Up To 100, Add	0.26	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0352 SF Paint Picket Fence, 1 Coat Primer, Brush/Roller	0.91	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.65	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
09 91 13 00-0353 SF Paint Picket Fence, 1 Coat, Brush/Roller	0.91	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.65	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
09 91 13 00-0354 SF Paint Picket Fence, Each Additional Coat, Brush/Roller	0.64	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.44	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
09 91 13 00-0355 SF Paint Wood Fences 1 Coat, Brush/Roller	0.63	
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.08	
09 91 13 00-0356 SF Paint Wood Fences 2 Coats, Brush/Roller	1.12	
For Up To 100, Add	0.72	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
09 91 13 00-0357 SF Paint Wood Fences 1 Coat, Sprayed	0.44	
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
09 91 13 00-0358 SF Paint Wood Fences 2 Coats, Sprayed	0.82	
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
09 91 13 00-0359 Paint Metal Louvers (09 91 13 00-0309)		
09 91 13 00-0360 SF Paint Ventilation Louver, SF Of Opening Area, 1 Coat Primer, Brush/Roller Work	1.20	
For Electrostatic Painting, Add	0.13	
09 91 13 00-0361 SF Paint Ventilation Louver, SF Of Opening Area, 1 Coat Alkyd, Brush/Roller Work	1.20	
For Electrostatic Painting, Add	0.13	
09 91 13 00-0362 SF Paint Ventilation Louver, SF Of Opening Area, 2 Coats Alkyd, Brush/Roller Work	2.45	
For Electrostatic Painting, Add	0.27	
09 91 13 00-0363 Paint Ladders (09 91 13 00-0309)		
09 91 13 00-0364 LF Paint Ladders, 1 Coat Alkyd Primer, Brush/Roller Work	3.48	
For Epoxy Paint, Add	0.19	
09 91 13 00-0365 LF Paint Ladders, 1 Coat Alkyd Enamel, Brush/Roller Work	3.89	
For Epoxy Paint, Add	0.21	
09 91 13 00-0366 LF Paint Ladders, 2 Coats Alkyd Enamel, Brush/Roller Work	7.72	
For Epoxy Paint, Add	0.40	
09 91 13 00-0367 Paint Handrails (09 91 13 00-0309)		
09 91 13 00-0368 LF Paint Hand Rail And Bracket, 1 Rail, 1 Coat Alkyd Primer, Brush/Roller Work	1.34	
For Epoxy Paint, Add	0.08	
09 91 13 00-0369 LF Paint Hand Rail And Bracket, 1 Rail, 1 Coat Alkyd Enamel, Brush/Roller Work	1.49	
For Epoxy Paint, Add	0.09	
09 91 13 00-0370 LF Paint Hand Rail And Bracket, 1 Rail, 2 Coats Alkyd Enamel, Brush/Roller Work	2.50	
For Epoxy Paint, Add	0.14	
09 91 13 00-0371 LF Paint Pipe Rail And Pickets, 1 Rail, 1 Coat Alkyd Primer, Brush/Roller Work	2.01	
For Epoxy Paint, Add	0.12	
09 91 13 00-0372 LF Paint Pipe Rail And Pickets, 1 Rail, 1 Coat Alkyd Enamel, Brush/Roller Work	2.25	
For Epoxy Paint, Add	0.13	
09 91 13 00-0373 LF Paint Pipe Rail And Pickets, 1 Rail, 2 Coats Alkyd Enamel, Brush/Roller Work	3.98	
For Epoxy Paint, Add	0.23	
09 91 13 00-0374 LF Paint Pipe Rail And Pickets, 2 Rails, 1 Coat Alkyd Primer, Brush/Roller Work	2.21	
For Epoxy Paint, Add	0.13	
09 91 13 00-0375 LF Paint Pipe Rail And Pickets, 2 Rails, 1 Coat Alkyd Enamel, Brush/Roller Work	2.47	
For Epoxy Paint, Add	0.14	
09 91 13 00-0376 LF Paint Pipe Rail And Pickets, 2 Rails, 2 Coats Alkyd Enamel, Brush/Roller Work	4.28	
For Epoxy Paint, Add	0.24	
09 91 13 00-0377 LF Paint Balustrades, 1 Coat Alkyd Primer, Brush/Roller Work	1.35	
For Epoxy Paint, Add	0.10	
09 91 13 00-0378 LF Paint Balustrades, 1 Coat Alkyd Enamel, Brush/Roller Work	1.50	
For Epoxy Paint, Add	0.11	
09 91 13 00-0379 LF Paint Balustrades, 2 Coats Alkyd Enamel, Brush/Roller Work	2.70	
For Epoxy Paint, Add	0.20	
09 91 13 00-0380 Paint Grating (09 91 13 00-0309)		
09 91 13 00-0381 SF Paint Gratings And Frames, 1 Coat Primer, Brush/Roller Work	2.50	
For Epoxy Paint, Add	0.14	
09 91 13 00-0382 SF Paint Gratings And Frames, 1 Coat Paint, Brush/Roller Work	2.51	
For Epoxy Paint, Add	0.14	



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0383 SF Paint Gratings And Frames, 2 Coats Paint, Brush/Roller Work <i>For Epoxy Paint, Add</i>	3.72 0.22	
09 91 13 00-0384 Other Site Work Painting (09 91 13 00-0309)		
09 91 13 00-0385 Paint Shutters Or Blinds, Solid Panel (09 91 13 00-0384)		
09 91 13 00-0386 SF Paint Shutter Or Blinds, Solid Panel, 1 Coat Primer, Brush Work.....	2.75	
09 91 13 00-0387 SF Paint Shutter Or Blinds, Solid Panel, 1 Coat, Brush Work	2.75	
09 91 13 00-0388 SF Paint Shutter Or Blinds, Solid Panel, 2 Coats, Brush Work	4.89	
09 91 13 00-0389 SF Paint Shutter Or Blinds, Solid Panel, 1 Coat Primer, Sprayed.....	1.51	
09 91 13 00-0390 SF Paint Shutter Or Blinds, Solid Panel, 1 Coat, Sprayed	1.52	
09 91 13 00-0391 SF Paint Shutter Or Blinds, Solid Panel, 2 Coats, Sprayed.....	2.81	
09 91 13 00-0392 Paint Shutters Or Blinds, Louvered Panel (09 91 13 00-0384)		
09 91 13 00-0393 SF Paint Shutter Or Blinds, Louvered Panel, 1 Coat Primer, Brush Work.....	3.43	
09 91 13 00-0394 SF Paint Shutter Or Blinds, Louvered Panel, 1 Coat, Brush Work	3.43	
09 91 13 00-0395 SF Paint Shutter Or Blinds, Louvered Panel, 2 Coats, Brush Work	6.07	
09 91 13 00-0396 SF Paint Shutter Or Blinds, Louvered Panel, 1 Coat Primer, Sprayed.....	1.86	
09 91 13 00-0397 SF Paint Shutter Or Blinds, Louvered Panel, 1 Coat, Sprayed	1.87	
09 91 13 00-0398 SF Paint Shutter Or Blinds, Louvered Panel, 2 Coats, Sprayed.....	3.44	
09 91 13 00-0399 Paint Flagpoles (09 91 13 00-0384)		
09 91 13 00-0400 EA Paint Steel Flagpole, 20' High, 1 Coat Paint	164.32	
09 91 13 00-0401 EA Paint Steel Flagpole, 30' High, 1 Coat Paint	220.01	
09 91 13 00-0402 EA Paint Steel Flagpole, 40' High, 1 Coat Paint	275.74	
09 91 13 00-0403 EA Paint Steel Flagpole, 50' High, 1 Coat Paint	331.46	
09 91 13 00-0404 EA Paint Steel Flagpole, 70' High, 1 Coat Paint	430.49	
09 91 13 00-0405 EA Paint Steel Flagpole, 80' High, 1 Coat Paint	484.66	
09 91 13 00-0406 EA Paint Steel Flagpole, 90' High, 1 Coat Paint	538.85	
09 91 13 00-0407 Paint Lattice Or Trellis (09 91 13 00-0384)		
09 91 13 00-0408 SF Paint Wood Lattice Or Trellis 1 Coat, Spray Per Side.....	1.20	
<i>For Up To 100, Add</i>	0.84	
<i>For >100 To 250, Add</i>	0.40	
<i>For >250 To 500, Add</i>	0.17	
09 91 13 00-0409 SF Paint Wood Lattice Or Trellis 2 Coats, Spray Per Side.....	2.20	
<i>For Up To 100, Add</i>	1.53	
<i>For >100 To 250, Add</i>	0.72	
<i>For >250 To 500, Add</i>	0.31	
09 91 13 00-0410 Equipment And Tanks (09 91 13 00-0309)		
09 91 13 00-0411 Valves, Primer And Finish Coats (09 91 13 00-0410)		
09 91 13 00-0412 EA Prime And Paint 4" And Smaller Valve	23.41	
09 91 13 00-0413 EA Prime And Paint 6" To 10" Valve	28.33	
09 91 13 00-0414 EA Prime And Paint 12" To 18" Valve	37.57	
09 91 13 00-0415 EA Prime And Paint 20" To 24" Valve	51.13	
09 91 13 00-0416 EA Prime And Paint >24" To 36" Valve	69.61	
09 91 13 00-0417 EA Prime And Paint >36" To 48" Valve	93.63	
09 91 13 00-0418 Pumps And Motors. Primer And Finish Coats (09 91 13 00-0410)		
09 91 13 00-0419 EA Prime And Paint Pump Under 1 HP	70.83	
09 91 13 00-0420 EA Prime And Paint Pump, 1 HP To 5 HP	91.13	
09 91 13 00-0421 EA Prime And Paint Pump, >5 HP To 10 HP	107.12	
09 91 13 00-0422 EA Prime And Paint Pump, >10 HP To 20 HP	118.19	
09 91 13 00-0423 EA Prime And Paint Pump, >20 HP To 30 HP	137.89	
09 91 13 00-0424 EA Prime And Paint Pump, >30 HP To 50 HP	157.60	
09 91 13 00-0425 EA Prime And Paint Pump, >50 HP To 75 HP	172.99	
09 91 13 00-0426 EA Prime And Paint Pump, >75 HP	197.01	
09 91 13 00-0427 Paint Exterior Stairs (09 91 13)		
09 91 13 00-0428 Paint Exterior Concrete Stairs (09 91 13 00-0427)		
09 91 13 00-0429 RSR Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work	15.25	
09 91 13 00-0430 RSR Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work.....	15.25	
09 91 13 00-0431 RSR Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work.....	18.59	
09 91 13 00-0432 RSR Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work.....	28.20	
09 91 13 00-0433 RSR Paint Exterior Concrete Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work.....	30.49	
09 91 13 00-0434 Paint Exterior Metal Stairs (09 91 13 00-0427)		
09 91 13 00-0435 RSR Paint Exterior Metal Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work..... <i>For Oil Based Paint, Add</i>	7.67 0.40	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0436 RSR Paint Exterior Metal Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work.....	7.67	
<i>For Oil Based Paint, Add</i>	0.40	
09 91 13 00-0437 RSR Paint Exterior Metal Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work.....	15.37	
<i>For Oil Based Paint, Add</i>	0.79	
09 91 13 00-0438 Paint Exterior Wood Stairs (09 91 13 00-0427)		
09 91 13 00-0439 RSR Paint Exterior Wood Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work	7.79	
09 91 13 00-0440 RSR Paint Exterior Wood Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work	7.79	
09 91 13 00-0441 RSR Paint Exterior Wood Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work	11.13	
09 91 13 00-0442 RSR Paint Exterior Wood Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work	20.74	
09 91 13 00-0443 RSR Paint Exterior Wood Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work	15.59	
09 91 13 00-0444 Paint Exterior Stair Nosing (09 91 13 00-0427)		
09 91 13 00-0445 LF Paint Exterior Yellow Stair Safety Strip, Up To 2", Non Slip, Brush Work.....	1.50	
09 91 13 00-0446 Paint Exterior Trim (09 91 13)		
09 91 13 00-0447 Paint Exterior Metal Trim And Gutters (09 91 13 00-0446)		
09 91 13 00-0448 SF Paint Exterior Exposed Metal Trim, 1 Coat Primer, Brush Work.....	1.02	
09 91 13 00-0449 SF Paint Exterior Exposed Metal Trim, 1 Coat Paint, Brush Work	1.02	
09 91 13 00-0450 SF Paint Exterior Exposed Metal Trim, 2 Coats Paint, Brush Work	1.84	
09 91 13 00-0451 SF Paint Exterior Metal Trim, 1 Coat Primer, Brush/Roller Work	0.81	
09 91 13 00-0452 SF Paint Exterior Metal Trim, 1 Coat Paint, Brush/Roller Work.....	0.92	
09 91 13 00-0453 SF Paint Exterior Metal Trim, 2 Coats Paint, Brush/Roller Work.....	1.63	
09 91 13 00-0454 LF Paint Exterior Gutter And Downspout, 1 Coat Paint, Brush Work.....	1.50	
09 91 13 00-0455 LF Paint Exterior Gutter And Downspout, 2 Coats Paint, Brush Work.....	2.10	
09 91 13 00-0456 Paint Exterior Wood Trim (09 91 13 00-0446)		
09 91 13 00-0457 SF Paint Exterior Wood Trim, 1 Coat Primer, Brush Work	1.43	
<i>For Oil Based Paint, Add</i>	0.08	
09 91 13 00-0458 SF Paint Exterior Wood Trim, 1 Coat Paint, Brush Work.....	1.56	
<i>For Oil Based Paint, Add</i>	0.09	
09 91 13 00-0459 SF Paint Exterior Wood Trim, 2 Coats Paint, Brush Work.....	2.81	
<i>For Oil Based Paint, Add</i>	0.16	
09 91 13 00-0460 SF Paint Exterior Wood Trim, 1 Coat Primer, Brush/Roller Work.....	1.12	
<i>For Oil Based Paint, Add</i>	0.07	
09 91 13 00-0461 SF Paint Exterior Wood Trim, 1 Coat Paint, Brush/Roller Work	1.25	
<i>For Oil Based Paint, Add</i>	0.07	
09 91 13 00-0462 SF Paint Exterior Wood Trim, 2 Coats Paint, Brush/Roller Work	2.31	
<i>For Oil Based Paint, Add</i>	0.14	
09 91 13 00-0463 Paint Exterior Miscellaneous Metal Surfaces (09 91 13)		
09 91 13 00-0464 SF Paint Exterior Miscellaneous Metal Surfaces, 1 Coat Alkyd Primer, Brush/Roller Work.....	1.08	
<i>For Epoxy Paint, Add</i>	0.08	
<i>For Electrostatic Painting, Add</i>	0.12	
09 91 13 00-0465 SF Paint Exterior Miscellaneous Metal Surfaces, 1 Coat Alkyd Enamel, Brush/Roller Work.....	1.04	
<i>For Epoxy Paint, Add</i>	0.07	
<i>For Electrostatic Painting, Add</i>	0.11	
09 91 13 00-0466 SF Paint Exterior Miscellaneous Metal Surfaces, 2 Coats Alkyd Enamel, Brush/Roller Work.....	2.10	
<i>For Epoxy Paint, Add</i>	0.15	
<i>For Electrostatic Painting, Add</i>	0.23	
09 91 23 Interior Painting (09 91)		
Note: Acrylic latex paint unless otherwise stated. VOC compliant in all regulated areas, review specifications for levels.		
09 91 23 00-0001 Paint Interior Walls (09 91 23)		
09 91 23 00-0002 Paint Interior Brick Walls (09 91 23 00-0001)		
09 91 23 00-0003 SF Paint Interior Brick Walls, 1 Coat Filler, Brush Work.....	0.95	
<i>For Oil Based Paint, Add</i>	0.05	
<i>For Up To 100, Add</i>	0.64	
<i>For >100 To 250, Add</i>	0.30	
<i>For >250 To 500, Add</i>	0.13	
<i>For >2,500 To 5,000, Deduct</i>	-0.05	
<i>For >5,000 To 10,000, Deduct</i>	-0.10	
<i>For >10,000 To 20,000, Deduct</i>	-0.14	
<i>For >20,000, Deduct</i>	-0.19	
09 91 23 00-0004 SF Paint Interior Brick Walls, 1 Coat Paint, Brush Work.....	1.09	
<i>For Oil Based Paint, Add</i>	0.06	
<i>For Up To 100, Add</i>	0.73	
<i>For >100 To 250, Add</i>	0.35	
<i>For >250 To 500, Add</i>	0.15	
<i>For >2,500 To 5,000, Deduct</i>	-0.05	
<i>For >5,000 To 10,000, Deduct</i>	-0.11	
<i>For >10,000 To 20,000, Deduct</i>	-0.16	
<i>For >20,000, Deduct</i>	-0.22	



	Finishes 09
	Painting And Coating 09 90
	Painting 09 91

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MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0005	SF	Paint Interior Brick Walls, 2 Coats Paint, Brush Work.....	1.94	
		For Oil Based Paint, Add	0.11	
		For Up To 100, Add	1.28	
		For >100 To 250, Add	0.61	
		For >250 To 500, Add	0.26	
		For >2,500 To 5,000, Deduct	-0.10	
		For >5,000 To 10,000, Deduct	-0.19	
		For >10,000 To 20,000, Deduct	-0.29	
		For >20,000, Deduct	-0.39	
09 91 23 00-0006	SF	Paint Interior Brick Walls, 1 Coat Filler, Brush/Roller Work.....	0.76	
		For Oil Based Paint, Add	0.04	
		For Up To 100, Add	0.50	
		For >100 To 250, Add	0.24	
		For >250 To 500, Add	0.10	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.11	
		For >20,000, Deduct	-0.15	
09 91 23 00-0007	SF	Paint Interior Brick Walls, 1 Coat Paint, Brush/Roller Work.....	0.93	
		For Oil Based Paint, Add	0.06	
		For Up To 100, Add	0.59	
		For >100 To 250, Add	0.28	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.14	
		For >20,000, Deduct	-0.19	
09 91 23 00-0008	SF	Paint Interior Brick Walls, 2 Coats Paint, Brush/Roller Work.....	1.60	
		For Oil Based Paint, Add	0.10	
		For Up To 100, Add	1.00	
		For >100 To 250, Add	0.48	
		For >250 To 500, Add	0.21	
		For >2,500 To 5,000, Deduct	-0.08	
		For >5,000 To 10,000, Deduct	-0.16	
		For >10,000 To 20,000, Deduct	-0.24	
		For >20,000, Deduct	-0.32	
09 91 23 00-0009	SF	Paint Interior Brick Walls, 1 Coat Filler, Sprayed.....	0.59	
		For Oil Based Paint, Add	0.04	
		For Up To 100, Add	0.36	
		For >100 To 250, Add	0.17	
		For >250 To 500, Add	0.07	
		For >2,500 To 5,000, Deduct	-0.03	
		For >5,000 To 10,000, Deduct	-0.06	
		For >10,000 To 20,000, Deduct	-0.09	
		For >20,000, Deduct	-0.12	
09 91 23 00-0010	SF	Paint Interior Brick Walls, 1 Coat Paint, Sprayed.....	0.64	
		For Oil Based Paint, Add	0.04	
		For Up To 100, Add	0.36	
		For >100 To 250, Add	0.17	
		For >250 To 500, Add	0.08	
		For >2,500 To 5,000, Deduct	-0.03	
		For >5,000 To 10,000, Deduct	-0.06	
		For >10,000 To 20,000, Deduct	-0.10	
		For >20,000, Deduct	-0.13	
09 91 23 00-0011	SF	Paint Interior Brick Walls, 2 Coats Paint, Sprayed.....	1.12	
		For Oil Based Paint, Add	0.07	
		For Up To 100, Add	0.63	
		For >100 To 250, Add	0.30	
		For >250 To 500, Add	0.13	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.17	
		For >20,000, Deduct	-0.22	
09 91 23 00-0012	SF	Paint Interior Brick Walls, 1 Coat Bonding Agent, Brush Work.....	0.98	
		For Up To 100, Add	0.65	
		For >100 To 250, Add	0.31	
		For >250 To 500, Add	0.13	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000 To 20,000, Deduct	-0.15	
		For >20,000, Deduct	-0.20	
09 91 23 00-0013	SF	Paint Interior Brick Walls, 1 Coat Bonding Agent, Brush/Roller Work.....	0.79	
		For Up To 100, Add	0.50	
		For >100 To 250, Add	0.24	
		For >250 To 500, Add	0.10	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.12	
		For >20,000, Deduct	-0.16	
09 91 23 00-0014	SF	Paint Interior Brick Walls, 1 Coat Bonding Agent, Spray.....	0.62	
		For Up To 100, Add	0.36	
		For >100 To 250, Add	0.17	
		For >250 To 500, Add	0.08	
		For >2,500 To 5,000, Deduct	-0.03	
		For >5,000 To 10,000, Deduct	-0.06	
		For >10,000 To 20,000, Deduct	-0.09	
		For >20,000, Deduct	-0.12	

09	09	Finishes
	09 90	Painting And Coating
	09 91	Painting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0015 Paint Interior Concrete Walls <small>(09 91 23 00-0001)</small>		
09 91 23 00-0016 SF Paint Interior Concrete Walls, 1 Coat Filler, Brush Work	0.81	
<i>For Oil Based Paint, Add</i>	0.05	
<i>For Epoxy Paint, Add</i>	0.07	
<i>For Up To 100, Add</i>	0.55	
<i>For >100 To 250, Add</i>	0.26	
<i>For >250 To 500, Add</i>	0.11	
<i>For >2,500 To 5,000, Deduct</i>	-0.04	
<i>For >5,000 To 10,000, Deduct</i>	-0.08	
<i>For >10,000 To 20,000, Deduct</i>	-0.12	
<i>For >20,000, Deduct</i>	-0.16	
09 91 23 00-0017 SF Paint Interior Concrete Walls, 1 Coat Paint, Brush Work	0.89	
<i>For Oil Based Paint, Add</i>	0.05	
<i>For Epoxy Paint, Add</i>	0.07	
<i>For Up To 100, Add</i>	0.62	
<i>For >100 To 250, Add</i>	0.29	
<i>For >250 To 500, Add</i>	0.13	
<i>For >2,500 To 5,000, Deduct</i>	-0.04	
<i>For >5,000 To 10,000, Deduct</i>	-0.09	
<i>For >10,000 To 20,000, Deduct</i>	-0.13	
<i>For >20,000, Deduct</i>	-0.18	
09 91 23 00-0018 SF Paint Interior Concrete Walls, 2 Coats Paint, Brush Work	1.65	
<i>For Oil Based Paint, Add</i>	0.09	
<i>For Epoxy Paint, Add</i>	0.12	
<i>For Up To 100, Add</i>	1.16	
<i>For >100 To 250, Add</i>	0.55	
<i>For >250 To 500, Add</i>	0.23	
<i>For >2,500 To 5,000, Deduct</i>	-0.08	
<i>For >5,000 To 10,000, Deduct</i>	-0.17	
<i>For >10,000 To 20,000, Deduct</i>	-0.25	
<i>For >20,000, Deduct</i>	-0.33	
09 91 23 00-0019 SF Paint Interior Concrete Walls, 1 Coat Filler, Brush/Roller Work	0.64	
<i>For Oil Based Paint, Add</i>	0.04	
<i>For Epoxy Paint, Add</i>	0.06	
<i>For Up To 100, Add</i>	0.42	
<i>For >100 To 250, Add</i>	0.20	
<i>For >250 To 500, Add</i>	0.09	
<i>For >2,500 To 5,000, Deduct</i>	-0.03	
<i>For >5,000 To 10,000, Deduct</i>	-0.06	
<i>For >10,000 To 20,000, Deduct</i>	-0.10	
<i>For >20,000, Deduct</i>	-0.13	
09 91 23 00-0020 SF Paint Interior Concrete Walls, 1 Coat Paint, Brush/Roller Work	0.74	
<i>For Oil Based Paint, Add</i>	0.04	
<i>For Epoxy Paint, Add</i>	0.06	
<i>For Up To 100, Add</i>	0.51	
<i>For >100 To 250, Add</i>	0.24	
<i>For >250 To 500, Add</i>	0.10	
<i>For >2,500 To 5,000, Deduct</i>	-0.04	
<i>For >5,000 To 10,000, Deduct</i>	-0.07	
<i>For >10,000 To 20,000, Deduct</i>	-0.11	
<i>For >20,000, Deduct</i>	-0.15	
09 91 23 00-0021 SF Paint Interior Concrete Walls, 2 Coats Paint, Brush/Roller Work	1.34	
<i>For Oil Based Paint, Add</i>	0.08	
<i>For Epoxy Paint, Add</i>	0.12	
<i>For Up To 100, Add</i>	0.91	
<i>For >100 To 250, Add</i>	0.43	
<i>For >250 To 500, Add</i>	0.19	
<i>For >2,500 To 5,000, Deduct</i>	-0.07	
<i>For >5,000 To 10,000, Deduct</i>	-0.13	
<i>For >10,000 To 20,000, Deduct</i>	-0.20	
<i>For >20,000, Deduct</i>	-0.27	
09 91 23 00-0022 SF Paint Interior Concrete Walls, 1 Coat Filler, Sprayed.....	0.47	
<i>For Oil Based Paint, Add</i>	0.03	
<i>For Epoxy Paint, Add</i>	0.06	
<i>For Up To 100, Add</i>	0.28	
<i>For >100 To 250, Add</i>	0.13	
<i>For >250 To 500, Add</i>	0.06	
<i>For >2,500 To 5,000, Deduct</i>	-0.02	
<i>For >5,000 To 10,000, Deduct</i>	-0.05	
<i>For >10,000 To 20,000, Deduct</i>	-0.07	
<i>For >20,000, Deduct</i>	-0.09	
09 91 23 00-0023 SF Paint Interior Concrete Walls, 1 Coat Paint, Sprayed	0.55	
<i>For Oil Based Paint, Add</i>	0.03	
<i>For Epoxy Paint, Add</i>	0.06	
<i>For Up To 100, Add</i>	0.35	
<i>For >100 To 250, Add</i>	0.17	
<i>For >250 To 500, Add</i>	0.07	
<i>For >2,500 To 5,000, Deduct</i>	-0.03	
<i>For >5,000 To 10,000, Deduct</i>	-0.06	
<i>For >10,000 To 20,000, Deduct</i>	-0.08	
<i>For >20,000, Deduct</i>	-0.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0024 SF Paint Interior Concrete Walls, 2 Coats Paint, Sprayed	0.88	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.10	
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	
09 91 23 00-0025 SF Paint Interior Concrete Walls, 1 Coat Bonding Agent, Brush Work.....	0.83	
For Up To 100, Add	0.55	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.17	
09 91 23 00-0026 SF Paint Interior Concrete Walls, 1 Coat Bonding Agent, Brush/Roller Work	0.66	
For Up To 100, Add	0.42	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 23 00-0027 SF Paint Interior Concrete Walls, 1 Coat Bonding Agent, Sprayed.....	0.50	
For Up To 100, Add	0.29	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	
09 91 23 00-0028 Paint Interior Concrete Block Walls (09 91 23 00-0001)		
09 91 23 00-0029 Paint Interior Concrete Block Walls, Epoxy Paint (09 91 23 00-0028)		
09 91 23 00-0030 SF Paint Interior Concrete Block Walls, 1 Coat Epoxy Filler, Brush Work.....	1.10	
For Up To 100, Add	0.72	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 23 00-0031 SF Paint Interior Concrete Block Walls, 1 Coat Epoxy Paint, Brush.....	1.28	
For Up To 100, Add	0.85	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.26	
09 91 23 00-0032 SF Paint Interior Concrete Block Walls, 2 Coats Epoxy Paint, Brush Work	2.27	
For Up To 100, Add	1.48	
For >100 To 250, Add	0.70	
For >250 To 500, Add	0.30	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.23	
For >10,000 To 20,000, Deduct	-0.34	
For >20,000, Deduct	-0.45	
09 91 23 00-0033 SF Paint Interior Concrete Block Walls, 1 Coat Epoxy Filler, Brush/Roller Work.....	0.88	
For Up To 100, Add	0.55	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	
09 91 23 00-0034 SF Paint Interior Concrete Block Walls, 1 Coat Epoxy Paint, Brush/Roller Work.....	0.99	
For Up To 100, Add	0.63	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 23 00-0035 SF Paint Interior Concrete Block Walls, 2 Coats Epoxy Paint, Brush/Roller Work	1.85	
For Up To 100, Add	1.17	
For >100 To 250, Add	0.56	
For >250 To 500, Add	0.24	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.28	
For >20,000, Deduct	-0.37	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0036 SF Paint Interior Concrete Block Walls, 1 Coat Epoxy Filler, Sprayed	0.64	
For Up To 100, Add	0.34	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 23 00-0037 SF Paint Interior Concrete Block Walls, 1 Coat Epoxy Paint, Sprayed.....	0.80	
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0038 SF Paint Interior Concrete Block Walls, 2 Coats Epoxy Paint, Sprayed.....	1.42	
For Up To 100, Add	0.78	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	
09 91 23 00-0039 Paint Interior Concrete Block Walls, Acrylic Latex Paint (09 91 23 00-0028)		
09 91 23 00-0040 SF Paint Interior Concrete Block Walls, 1 Coat Filler, Brush Work.....	1.04	
For Oil Based Paint, Add	0.06	
For Up To 100, Add	0.71	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 23 00-0041 SF Paint Interior Concrete Block Walls, 1 Coat Paint, Brush Work	1.22	
For Oil Based Paint, Add	0.07	
For Up To 100, Add	0.82	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 23 00-0042 SF Paint Interior Concrete Block Walls, 2 Coats Paint, Brush Work	2.21	
For Oil Based Paint, Add	0.13	
For Up To 100, Add	1.46	
For >100 To 250, Add	0.69	
For >250 To 500, Add	0.30	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.22	
For >10,000 To 20,000, Deduct	-0.33	
For >20,000, Deduct	-0.44	
09 91 23 00-0043 SF Paint Interior Concrete Block Walls, Texture Coat, Brush Work	1.35	
For Oil Based Paint, Add	0.08	
For Up To 100, Add	0.90	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	
09 91 23 00-0044 SF Paint Interior Concrete Block Walls, 1 Coat Filler, Brush/Roller Work	0.87	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.58	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 23 00-0045 SF Paint Interior Concrete Block Walls, 1 Coat Paint, Brush/Roller Work.....	1.02	
For Oil Based Paint, Add	0.06	
For Up To 100, Add	0.67	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	



	Finishes	09
	Painting And Coating	09 90
	Painting	09 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0046 SF Paint Interior Concrete Block Walls, 2 Coats Paint, Brush/Roller Work.....	1.82	
<i>For Oil Based Paint, Add</i>	0.11	
<i>For Up To 100, Add</i>	1.17	
<i>For >100 To 250, Add</i>	0.55	
<i>For >250 To 500, Add</i>	0.24	
<i>For >2,500 To 5,000, Deduct</i>	-0.09	
<i>For >5,000 To 10,000, Deduct</i>	-0.18	
<i>For >10,000 To 20,000, Deduct</i>	-0.27	
<i>For >20,000, Deduct</i>	-0.36	
09 91 23 00-0047 SF Paint Interior Concrete Block Walls, Texture Coat, Brush/Roller Work.....	1.14	
<i>For Oil Based Paint, Add</i>	0.07	
<i>For Up To 100, Add</i>	0.75	
<i>For >100 To 250, Add</i>	0.35	
<i>For >250 To 500, Add</i>	0.15	
<i>For >2,500 To 5,000, Deduct</i>	-0.06	
<i>For >5,000 To 10,000, Deduct</i>	-0.11	
<i>For >10,000 To 20,000, Deduct</i>	-0.17	
<i>For >20,000, Deduct</i>	-0.23	
09 91 23 00-0048 SF Paint Interior Concrete Block Walls, 1 Coat Filler, Sprayed.....	0.67	
<i>For Oil Based Paint, Add</i>	0.04	
<i>For Up To 100, Add</i>	0.41	
<i>For >100 To 250, Add</i>	0.19	
<i>For >250 To 500, Add</i>	0.08	
<i>For >2,500 To 5,000, Deduct</i>	-0.03	
<i>For >5,000 To 10,000, Deduct</i>	-0.07	
<i>For >10,000 To 20,000, Deduct</i>	-0.10	
<i>For >20,000, Deduct</i>	-0.13	
09 91 23 00-0049 SF Paint Interior Concrete Block Walls, 1 Coat Paint, Sprayed	0.77	
<i>For Oil Based Paint, Add</i>	0.05	
<i>For Up To 100, Add</i>	0.46	
<i>For >100 To 250, Add</i>	0.22	
<i>For >250 To 500, Add</i>	0.10	
<i>For >2,500 To 5,000, Deduct</i>	-0.04	
<i>For >5,000 To 10,000, Deduct</i>	-0.08	
<i>For >10,000 To 20,000, Deduct</i>	-0.12	
<i>For >20,000, Deduct</i>	-0.15	
09 91 23 00-0050 SF Paint Interior Concrete Block Walls, 2 Coats Paint, Sprayed.....	1.11	
<i>For Oil Based Paint, Add</i>	0.07	
<i>For Up To 100, Add</i>	0.68	
<i>For >100 To 250, Add</i>	0.33	
<i>For >250 To 500, Add</i>	0.14	
<i>For >2,500 To 5,000, Deduct</i>	-0.06	
<i>For >5,000 To 10,000, Deduct</i>	-0.11	
<i>For >10,000 To 20,000, Deduct</i>	-0.17	
<i>For >20,000, Deduct</i>	-0.22	
09 91 23 00-0051 SF Paint Interior Concrete Block Walls, Texture Coat, Sprayed	0.89	
<i>For Oil Based Paint, Add</i>	0.06	
<i>For Up To 100, Add</i>	0.52	
<i>For >100 To 250, Add</i>	0.25	
<i>For >250 To 500, Add</i>	0.11	
<i>For >2,500 To 5,000, Deduct</i>	-0.04	
<i>For >5,000 To 10,000, Deduct</i>	-0.09	
<i>For >10,000 To 20,000, Deduct</i>	-0.13	
<i>For >20,000, Deduct</i>	-0.18	
09 91 23 00-0052 Paint Interior Concrete Block Walls With Bonding Agent (09 91 23 00-0028).....	1.07	
09 91 23 00-0053 SF Paint Interior Concrete Block Walls, 1 Coat Bonding Agent, Brush.....	1.07	
<i>For Up To 100, Add</i>	0.71	
<i>For >100 To 250, Add</i>	0.34	
<i>For >250 To 500, Add</i>	0.15	
<i>For >2,500 To 5,000, Deduct</i>	-0.05	
<i>For >5,000 To 10,000, Deduct</i>	-0.11	
<i>For >10,000 To 20,000, Deduct</i>	-0.16	
<i>For >20,000, Deduct</i>	-0.21	
09 91 23 00-0054 SF Paint Interior Concrete Block Walls, 1 Coat Bonding Agent, Brush/Roller Work.....	0.90	
<i>For Up To 100, Add</i>	0.59	
<i>For >100 To 250, Add</i>	0.28	
<i>For >250 To 500, Add</i>	0.12	
<i>For >2,500 To 5,000, Deduct</i>	-0.05	
<i>For >5,000 To 10,000, Deduct</i>	-0.09	
<i>For >10,000 To 20,000, Deduct</i>	-0.14	
<i>For >20,000, Deduct</i>	-0.18	
09 91 23 00-0055 SF Paint Interior Concrete Block Walls, 1 Coat Bonding Agent, Sprayed.....	0.70	
<i>For Up To 100, Add</i>	0.41	
<i>For >100 To 250, Add</i>	0.20	
<i>For >250 To 500, Add</i>	0.09	
<i>For >2,500 To 5,000, Deduct</i>	-0.04	
<i>For >5,000 To 10,000, Deduct</i>	-0.07	
<i>For >10,000 To 20,000, Deduct</i>	-0.11	
<i>For >20,000, Deduct</i>	-0.14	
09 91 23 00-0056 Paint Interior Plaster/Drywall Walls (09 91 23 00-0001)		
09 91 23 00-0057 Paint Interior Plaster/Drywall Walls (09 91 23 00-0056)		

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0058	SF	Paint Interior Plaster/Drywall Walls, 1 Coat Primer, Brush Work.....	0.85	
		<i>For Oil Based Paint, Add</i>	0.05	
		<i>For Orange Peel Finish, Add</i>	0.12	
		<i>For Epoxy Paint, Add</i>	0.07	
		<i>For Up To 100, Add</i>	0.58	
		<i>For >100 To 250, Add</i>	0.27	
		<i>For >250 To 500, Add</i>	0.12	
		<i>For >2,500 To 5,000, Deduct</i>	-0.04	
		<i>For >5,000 To 10,000, Deduct</i>	-0.09	
		<i>For >10,000 To 20,000, Deduct</i>	-0.13	
		<i>For >20,000, Deduct</i>	-0.17	
09 91 23 00-0059	SF	Paint Interior Plaster/Drywall Walls, 1 Coat Paint, Brush Work.....	0.91	
		<i>For Oil Based Paint, Add</i>	0.05	
		<i>For Orange Peel Finish, Add</i>	0.13	
		<i>For Epoxy Paint, Add</i>	0.07	
		<i>For Each Coat With Egg Shell Finish, Add</i>	0.01	
		<i>For Up To 100, Add</i>	0.63	
		<i>For >100 To 250, Add</i>	0.30	
		<i>For >250 To 500, Add</i>	0.13	
		<i>For >2,500 To 5,000, Deduct</i>	-0.05	
		<i>For >5,000 To 10,000, Deduct</i>	-0.09	
		<i>For >10,000 To 20,000, Deduct</i>	-0.14	
		<i>For >20,000, Deduct</i>	-0.18	
09 91 23 00-0060	SF	Paint Interior Plaster/Drywall Walls, 2 Coats Paint, Brush Work.....	1.65	
		<i>For Oil Based Paint, Add</i>	0.09	
		<i>For Orange Peel Finish, Add</i>	0.24	
		<i>For Epoxy Paint, Add</i>	0.13	
		<i>For Each Coat With Egg Shell Finish, Add</i>	0.01	
		<i>For Up To 100, Add</i>	1.14	
		<i>For >100 To 250, Add</i>	0.54	
		<i>For >250 To 500, Add</i>	0.23	
		<i>For >2,500 To 5,000, Deduct</i>	-0.08	
		<i>For >5,000 To 10,000, Deduct</i>	-0.17	
		<i>For >10,000 To 20,000, Deduct</i>	-0.25	
		<i>For >20,000, Deduct</i>	-0.33	
09 91 23 00-0061	SF	Paint Interior Plaster/Drywall Walls, 3 Coats Paint, Brush.....	2.35	
		<i>For Oil Based Paint, Add</i>	0.13	
		<i>For Orange Peel Finish, Add</i>	0.34	
		<i>For Epoxy Paint, Add</i>	0.19	
		<i>For Each Coat With Egg Shell Finish, Add</i>	0.01	
		<i>For Up To 100, Add</i>	1.61	
		<i>For >100 To 250, Add</i>	0.76	
		<i>For >250 To 500, Add</i>	0.33	
		<i>For >2,500 To 5,000, Deduct</i>	-0.12	
		<i>For >5,000 To 10,000, Deduct</i>	-0.24	
		<i>For >10,000 To 20,000, Deduct</i>	-0.35	
		<i>For >20,000, Deduct</i>	-0.47	
09 91 23 00-0062	SF	Paint Interior Plaster/Drywall Walls, 1 Coat Primer, Brush/Roller Work.....	0.66	
		<i>For Oil Based Paint, Add</i>	0.04	
		<i>For Orange Peel Finish, Add</i>	0.09	
		<i>For Epoxy Paint, Add</i>	0.06	
		<i>For Up To 100, Add</i>	0.44	
		<i>For >100 To 250, Add</i>	0.21	
		<i>For >250 To 500, Add</i>	0.09	
		<i>For >2,500 To 5,000, Deduct</i>	-0.03	
		<i>For >5,000 To 10,000, Deduct</i>	-0.07	
		<i>For >10,000 To 20,000, Deduct</i>	-0.10	
		<i>For >20,000, Deduct</i>	-0.13	
09 91 23 00-0063	SF	Paint Interior Plaster/Drywall Walls, 1 Coat Paint, Brush/Roller Work.....	0.76	
		<i>For Oil Based Paint, Add</i>	0.04	
		<i>For Orange Peel Finish, Add</i>	0.11	
		<i>For Epoxy Paint, Add</i>	0.07	
		<i>For Each Coat With Egg Shell Finish, Add</i>	0.01	
		<i>For Up To 100, Add</i>	0.52	
		<i>For >100 To 250, Add</i>	0.24	
		<i>For >250 To 500, Add</i>	0.11	
		<i>For >2,500 To 5,000, Deduct</i>	-0.04	
		<i>For >5,000 To 10,000, Deduct</i>	-0.08	
		<i>For >10,000 To 20,000, Deduct</i>	-0.11	
		<i>For >20,000, Deduct</i>	-0.15	
09 91 23 00-0064	SF	Paint Interior Plaster/Drywall Walls, 2 Coats Paint, Brush/Roller Work.....	1.34	
		<i>For Oil Based Paint, Add</i>	0.08	
		<i>For Orange Peel Finish, Add</i>	0.19	
		<i>For Epoxy Paint, Add</i>	0.12	
		<i>For Each Coat With Egg Shell Finish, Add</i>	0.01	
		<i>For Up To 100, Add</i>	0.90	
		<i>For >100 To 250, Add</i>	0.42	
		<i>For >250 To 500, Add</i>	0.18	
		<i>For >2,500 To 5,000, Deduct</i>	-0.07	
		<i>For >5,000 To 10,000, Deduct</i>	-0.13	
		<i>For >10,000 To 20,000, Deduct</i>	-0.20	
		<i>For >20,000, Deduct</i>	-0.27	



Finishes	09	
Painting And Coating	09 90	9
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0065 SF Paint Interior Plaster/Drywall Walls, 1 Coat Primer, Sprayed.....	0.47	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.28	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 23 00-0066 SF Paint Interior Plaster/Drywall Walls, 1 Coat Paint, Sprayed.....	0.55	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Each Coat With Egg Shell Finish, Add	0.01	
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 23 00-0067 SF Paint Interior Plaster/Drywall Walls, 2 Coats Paint, Sprayed.....	0.88	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.10	
For Each Coat With Egg Shell Finish, Add	0.01	
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	
09 91 23 00-0068 Paint Interior Plaster/Drywall Or Masonry Walls With Polymix Multi-Color Paint (09 91 23 00-0066)		
09 91 23 00-0069 SF Paint Interior Plaster/Drywall Or Masonry Walls, 2 Tone Polymix With Base Coat, Sprayed	1.41	
For Up To 100, Add	0.69	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	
09 91 23 00-0070 SF Paint Interior Plaster/Drywall Or Masonry Walls, 3 Tone Polymix With Base Coat, Sprayed	1.52	
For Up To 100, Add	0.71	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.30	
09 91 23 00-0071 SF Paint Interior Plaster/Drywall Or Masonry Walls, 4 Tone Polymix With Base Coat, Sprayed	1.62	
For Up To 100, Add	0.72	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.32	
09 91 23 00-0072 Paint Interior Plaster/Drywall Walls, Acoustic Texture (09 91 23 00-0066)		
09 91 23 00-0073 SF Paint Interior Plaster/Drywall Walls, Acoustic Texture, 1 Coat Primer, Sprayed.....	0.61	
For Up To 100, Add	0.36	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0074 SF Paint Interior Plaster/Drywall Walls, Acoustic Texture, 1 Coat Finish, Sprayed.....	0.73	
For Up To 100, Add	0.45	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0075	SF		Paint Interior Plaster/Drywall Walls, Acoustic Texture, 2 Coats Finish, Sprayed	1.12	
			For Up To 100, Add	0.64	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.22	
09 91 23 00-0076	SF		Paint Interior Plaster/Drywall Walls, Stipple Finish (Drippowder)	1.37	
			For Up To 100, Add	0.99	
			For >100 To 250, Add	0.46	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.27	
09 91 23 00-0077			Paint Interior Metal Walls (09 91 23 00-0001)		
09 91 23 00-0078			Paint Interior Galvanized Walls (09 91 23 00-0077)		
			Note: Linseed oil or acrylic latex paint.		
09 91 23 00-0079	SF		Paint Interior Galvanized Wall Surfaces, 1 Coat Primer, Brush Work	0.91	
			For Electrostatic Painting, Add	0.10	
			For Up To 100, Add	0.63	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91 23 00-0080	SF		Paint Interior Galvanized Wall Surfaces, 1 Coat Paint, Brush Work	1.03	
			For Electrostatic Painting, Add	0.12	
			For Up To 100, Add	0.72	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.21	
09 91 23 00-0081	SF		Paint Interior Galvanized Wall Surfaces, 2 Coats Paint, Brush Work	1.84	
			For Electrostatic Painting, Add	0.21	
			For Up To 100, Add	1.27	
			For >100 To 250, Add	0.60	
			For >250 To 500, Add	0.26	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000 To 20,000, Deduct	-0.28	
			For >20,000, Deduct	-0.37	
09 91 23 00-0082	SF		Paint Interior Galvanized Walls, 1 Coat Primer, Brush/Roller Work	0.67	
			For Electrostatic Painting, Add	0.08	
			For Up To 100, Add	0.45	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91 23 00-0083	SF		Paint Interior Galvanized Wall , 1 Coat Paint, Brush/Roller Work	0.79	
			For Electrostatic Painting, Add	0.09	
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 23 00-0084	SF		Paint Interior Galvanized Walls, 2 Coats Paint, Brush/Roller Work	1.45	
			For Electrostatic Painting, Add	0.17	
			For Up To 100, Add	0.99	
			For >100 To 250, Add	0.47	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.29	
09 91 23 00-0085	SF		Paint Interior Galvanized Walls, 1 Coat Primer, Sprayed	0.43	
			For Electrostatic Painting, Add	0.06	
			For Up To 100, Add	0.26	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.09	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0086 SF Paint Interior Galvanized Walls, 1 Coat Paint, Sprayed.....	0.62	
For Electrostatic Painting, Add	0.08	
For Up To 100, Add	0.40	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0087 SF Paint Interior Galvanized Walls, 2 Coats Paint, Sprayed.....	0.98	
For Electrostatic Painting, Add	0.13	
For Up To 100, Add	0.60	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 23 00-0088 Paint Interior Aluminum And Aluminum Alloy Walls (09 91 23 00-0077)		
Note: Alkyd enamel paint.		
09 91 23 00-0089 SF Paint Interior Aluminum And Aluminum Alloy Wall Surfaces, 1 Coat Primer, Brush Work.....	0.91	
For Electrostatic Painting, Add	0.10	
For Up To 100, Add	0.63	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 23 00-0090 SF Paint Interior Aluminum And Aluminum Alloy Wall Surfaces, 1 Coat Paint, Brush Work.....	1.03	
For Electrostatic Painting, Add	0.12	
For Up To 100, Add	0.72	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.21	
09 91 23 00-0091 SF Paint Interior Aluminum And Aluminum Alloy Wall Surfaces, 2 Coats Paint, Brush Work.....	1.84	
For Electrostatic Painting, Add	0.21	
For Up To 100, Add	1.27	
For >100 To 250, Add	0.60	
For >250 To 500, Add	0.26	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.28	
For >20,000, Deduct	-0.37	
09 91 23 00-0092 SF Paint Interior Aluminum And Aluminum Alloy Walls, 1 Coat Primer, Brush/Roller Work.....	0.70	
For Electrostatic Painting, Add	0.09	
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 23 00-0093 SF Paint Interior Aluminum And Aluminum Alloy Walls, 1 Coat Paint, Brush/Roller Work.....	0.82	
For Electrostatic Painting, Add	0.10	
For Up To 100, Add	0.55	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0094 SF Paint Interior Aluminum And Aluminum Alloy Walls, 2 Coats Paint, Brush/Roller Work.....	1.51	
For Electrostatic Painting, Add	0.18	
For Up To 100, Add	1.00	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.30	
09 91 23 00-0095 SF Paint Interior Aluminum And Aluminum Alloy Walls, 1 Coat Primer, Sprayed.....	0.49	
For Electrostatic Painting, Add	0.07	
For Up To 100, Add	0.30	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.10	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0096 SF Paint Interior Aluminum And Aluminum Alloy Walls, 1 Coat Paint, Sprayed.....	0.62	
For Electrostatic Painting, Add	0.08	
For Up To 100, Add	0.40	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0097 SF Paint Interior Aluminum And Aluminum Alloy Walls, 2 Coats Paint, Sprayed.....	0.98	
For Electrostatic Painting, Add	0.13	
For Up To 100, Add	0.60	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 23 00-0098 Paint Interior Corrugated Metal Walls (09 91 23 00-0077)		
09 91 23 00-0099 SF Paint Interior Corrugated Metal Walls, 1 Coat Primer, Sprayed.....	0.55	
For Electrostatic Painting, Add	0.07	
For Up To 100, Add	0.33	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 23 00-0100 SF Paint Interior Corrugated Metal Walls, 1 Coat Paint, Sprayed.....	0.81	
For Electrostatic Painting, Add	0.10	
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0101 SF Paint Interior Corrugated Metal Walls, 2 Coats Paint, Sprayed.....	1.26	
For Electrostatic Painting, Add	0.16	
For Up To 100, Add	0.80	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.25	
09 91 23 00-0102 Paint Interior Stucco Walls (09 91 23 00-0001)		
09 91 23 00-0103 SF Paint Interior Stucco Wall Surfaces, 1 Coat Primer, Brush Work.....	1.41	
For Oil Based Paint, Add	0.08	
For Up To 100, Add	0.99	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	
09 91 23 00-0104 SF Paint Interior Stucco Wall Surfaces, 1 Coat Paint, Brush Work.....	1.54	
For Oil Based Paint, Add	0.08	
For Up To 100, Add	1.07	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.31	
09 91 23 00-0105 SF Paint Interior Stucco Wall Surfaces, 2 Coats Paint, Brush Work.....	2.73	
For Oil Based Paint, Add	0.15	
For Up To 100, Add	1.87	
For >100 To 250, Add	0.88	
For >250 To 500, Add	0.38	
For >2,500 To 5,000, Deduct	-0.14	
For >5,000 To 10,000, Deduct	-0.27	
For >10,000 To 20,000, Deduct	-0.41	
For >20,000, Deduct	-0.55	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0106 SF Paint Interior Stucco Walls, 1 Coat Primer, Brush/Roller Work.....	1.05	
For Oil Based Paint, Add	0.06	
For Up To 100, Add	0.72	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 23 00-0107 SF Paint Interior Stucco Walls, 1 Coat Paint, Brush/Roller Work	1.19	
For Oil Based Paint, Add	0.07	
For Up To 100, Add	0.81	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 23 00-0108 SF Paint Interior Stucco Walls, 2 Coats Paint, Brush/Roller Work	2.18	
For Oil Based Paint, Add	0.12	
For Up To 100, Add	1.46	
For >100 To 250, Add	0.69	
For >250 To 500, Add	0.30	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.22	
For >10,000 To 20,000, Deduct	-0.33	
For >20,000, Deduct	-0.44	
09 91 23 00-0109 SF Paint Interior Stucco Walls, 1 Coat Primer, Sprayed	0.67	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.42	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 23 00-0110 SF Paint Interior Stucco Walls, 1 Coat Paint, Sprayed.....	0.81	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0111 SF Paint Interior Stucco Walls, 2 Coats Paint, Sprayed	1.61	
For Oil Based Paint, Add	0.10	
For Up To 100, Add	1.01	
For >100 To 250, Add	0.48	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.32	
09 91 23 00-0112 Paint Interior Wood Walls (09 91 23 00-0001)		
09 91 23 00-0113 Interior Wood Walls (09 91 23 00-0112)		
09 91 23 00-0114 SF Paint Interior Wood Wall Surfaces, 1 Coat Paint, Brush Work.....	1.05	
For Oil Based Paint, Add	0.06	
For Up To 100, Add	0.73	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 23 00-0115 SF Paint Interior Wood Wall Surfaces, 2 Coats Paint, Brush Work.....	1.91	
For Oil Based Paint, Add	0.11	
For Up To 100, Add	1.31	
For >100 To 250, Add	0.62	
For >250 To 500, Add	0.27	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.29	
For >20,000, Deduct	-0.38	
09 91 23 00-0116 SF Paint Interior Wood Wall Surfaces, 3 Coats Paint, Brush Work.....	2.72	
For Oil Based Paint, Add	0.15	
For Up To 100, Add	1.85	
For >100 To 250, Add	0.87	
For >250 To 500, Add	0.38	
For >2,500 To 5,000, Deduct	-0.14	
For >5,000 To 10,000, Deduct	-0.27	
For >10,000 To 20,000, Deduct	-0.41	
For >20,000, Deduct	-0.54	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0117	SF		Paint Interior Wood Walls, 1 Coat Primer, Brush/Roller Work	0.73	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Up To 100, Add</i>	0.49	
			<i>For >100 To 250, Add</i>	0.23	
			<i>For >250 To 500, Add</i>	0.10	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.07	
			<i>For >10,000 To 20,000, Deduct</i>	-0.11	
			<i>For >20,000, Deduct</i>	-0.15	
09 91 23 00-0118	SF		Paint Interior Wood Walls, 1 Coat Paint, Brush/Roller Work.....	0.84	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Up To 100, Add</i>	0.57	
			<i>For >100 To 250, Add</i>	0.27	
			<i>For >250 To 500, Add</i>	0.12	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.08	
			<i>For >10,000 To 20,000, Deduct</i>	-0.13	
			<i>For >20,000, Deduct</i>	-0.17	
09 91 23 00-0119	SF		Paint Interior Wood Walls, 2 Coats Paint, Brush/Roller Work.....	1.47	
			<i>For Oil Based Paint, Add</i>	0.08	
			<i>For Up To 100, Add</i>	0.98	
			<i>For >100 To 250, Add</i>	0.46	
			<i>For >250 To 500, Add</i>	0.20	
			<i>For >2,500 To 5,000, Deduct</i>	-0.07	
			<i>For >5,000 To 10,000, Deduct</i>	-0.15	
			<i>For >10,000 To 20,000, Deduct</i>	-0.22	
			<i>For >20,000, Deduct</i>	-0.29	
09 91 23 00-0120	SF		Paint Interior Wood Walls, 1 Coat Primer, Sprayed	0.46	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Up To 100, Add</i>	0.27	
			<i>For >100 To 250, Add</i>	0.13	
			<i>For >250 To 500, Add</i>	0.06	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 20,000, Deduct</i>	-0.07	
			<i>For >20,000, Deduct</i>	-0.09	
09 91 23 00-0121	SF		Paint Interior Wood Walls, 1 Coat Paint, Sprayed	0.60	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Up To 100, Add</i>	0.37	
			<i>For >100 To 250, Add</i>	0.18	
			<i>For >250 To 500, Add</i>	0.08	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.06	
			<i>For >10,000 To 20,000, Deduct</i>	-0.09	
			<i>For >20,000, Deduct</i>	-0.12	
09 91 23 00-0122	SF		Paint Interior Wood Walls, 2 Coats Paint, Sprayed.....	1.09	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Up To 100, Add</i>	0.64	
			<i>For >100 To 250, Add</i>	0.31	
			<i>For >250 To 500, Add</i>	0.13	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.11	
			<i>For >10,000 To 20,000, Deduct</i>	-0.16	
			<i>For >20,000, Deduct</i>	-0.22	
09 91 23 00-0123			Paint Interior Ceilings <small>(09 91 23)</small>		
09 91 23 00-0124			Paint Interior Acoustical Ceilings <small>(09 91 23 00-0123)</small>		
			Note: Includes grid.		
09 91 23 00-0125	SF		Paint Interior Acoustical Ceiling, 1 Coat Primer, Brush Work.....	0.93	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Up To 100, Add</i>	0.64	
			<i>For >100 To 250, Add</i>	0.30	
			<i>For >250 To 500, Add</i>	0.13	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.09	
			<i>For >10,000 To 20,000, Deduct</i>	-0.14	
			<i>For >20,000, Deduct</i>	-0.19	
09 91 23 00-0126	SF		Paint Interior Acoustical Ceiling, 1 Coat Paint, Brush Work.....	1.02	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.72	
			<i>For >100 To 250, Add</i>	0.34	
			<i>For >250 To 500, Add</i>	0.15	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.10	
			<i>For >10,000 To 20,000, Deduct</i>	-0.15	
			<i>For >20,000, Deduct</i>	-0.20	
09 91 23 00-0127	SF		Paint Interior Acoustical Ceiling, 2 Coats Paint, Brush Work	1.81	
			<i>For Oil Based Paint, Add</i>	0.10	
			<i>For Up To 100, Add</i>	1.26	
			<i>For >100 To 250, Add</i>	0.59	
			<i>For >250 To 500, Add</i>	0.26	
			<i>For >2,500 To 5,000, Deduct</i>	-0.09	
			<i>For >5,000 To 10,000, Deduct</i>	-0.18	
			<i>For >10,000 To 20,000, Deduct</i>	-0.27	
			<i>For >20,000, Deduct</i>	-0.36	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0128 SF Paint Interior Acoustical Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.79	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0129 SF Paint Interior Acoustical Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.79	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0130 SF Paint Interior Acoustical Ceiling, 2 Coats Paint, Brush/Roller Work.....	1.45	
For Oil Based Paint, Add	0.08	
For Up To 100, Add	0.99	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.29	
09 91 23 00-0131 SF Paint Interior Acoustical Ceiling, 1 Coat Primer, Sprayed.....	0.62	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0132 SF Paint Interior Acoustical Ceiling, 1 Coat Paint, Sprayed	0.61	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.40	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0133 SF Paint Interior Acoustical Ceiling, 2 Coats Paint, Sprayed	0.97	
For Oil Based Paint, Add	0.06	
For Up To 100, Add	0.61	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.19	
09 91 23 00-0134 Paint Interior Concrete Ceilings (09 91 23 00-0123)	0.92	
09 91 23 00-0135 SF Paint Interior Concrete Ceiling, 1 Coat Filler, Brush Work.....	0.92	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.08	
For Up To 100, Add	0.63	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 23 00-0136 SF Paint Interior Concrete Ceiling, 1 Coat Paint, Brush Work.....	1.02	
For Oil Based Paint, Add	0.06	
For Epoxy Paint, Add	0.08	
For Up To 100, Add	0.72	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 23 00-0137 SF Paint Interior Concrete Ceiling, 2 Coats Paint, Brush Work.....	1.81	
For Oil Based Paint, Add	0.10	
For Epoxy Paint, Add	0.14	
For Up To 100, Add	1.26	
For >100 To 250, Add	0.59	
For >250 To 500, Add	0.26	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.27	
For >20,000, Deduct	-0.36	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0138 SF Paint Interior Concrete Ceiling, 1 Coat Filler, Brush/Roller Work.....	0.69	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	
09 91 23 00-0139 SF Paint Interior Concrete Ceiling, 1 Coat Paint, Brush/Roller Work	0.79	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0140 SF Paint Interior Concrete Ceiling, 2 Coats Paint, Brush/Roller Work.....	1.45	
For Oil Based Paint, Add	0.08	
For Epoxy Paint, Add	0.12	
For Up To 100, Add	0.99	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.29	
09 91 23 00-0141 SF Paint Interior Concrete Ceiling, 1 Coat Filler, Sprayed.....	0.58	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.07	
For Up To 100, Add	0.36	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0142 SF Paint Interior Concrete Ceiling, 1 Coat Paint, Sprayed	0.61	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.40	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0143 SF Paint Interior Concrete Ceiling, 2 Coats Paint, Sprayed	0.96	
For Oil Based Paint, Add	0.06	
For Epoxy Paint, Add	0.11	
For Up To 100, Add	0.60	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 23 00-0144 SF Paint Interior Concrete Ceiling, 1 Coat Bonding Agent, Brush Work.....	0.94	
For Up To 100, Add	0.63	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 23 00-0145 SF Paint Interior Concrete Ceiling, 1 Coat Bonding Agent, Brush/Roller.....	0.71	
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 23 00-0146 SF Paint Interior Concrete Ceiling, 1 Coat Bonding Agent, Sprayed.....	0.61	
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	

09 91 23 00-0147 Paint Interior Drywall/Plaster Ceilings (09 91 23 00-0123)



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0148 SF Paint Interior Drywall/Plaster Ceiling, 1 Coat Primer, Brush Work.....	0.93	
For Epoxy Paint, Add	0.08	
For Oil Based Paint, Add	0.05	
For Orange Peel Finish, Add	0.13	
For Up To 100, Add	0.64	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 23 00-0149 SF Paint Interior Drywall/Plaster Ceiling, 1 Coat Paint, Brush Work	1.02	
For Epoxy Paint, Add	0.08	
For Oil Based Paint, Add	0.06	
For Orange Peel Finish, Add	0.15	
For Up To 100, Add	0.72	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 23 00-0150 SF Paint Interior Drywall/Plaster Ceiling, 2 Coats Paint, Brush Work.....	1.81	
For Epoxy Paint, Add	0.14	
For Oil Based Paint, Add	0.10	
For Orange Peel Finish, Add	0.26	
For Up To 100, Add	1.26	
For >100 To 250, Add	0.59	
For >250 To 500, Add	0.26	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.27	
For >20,000, Deduct	-0.36	
09 91 23 00-0151 SF Paint Interior Drywall/Plaster Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.79	
For Epoxy Paint, Add	0.07	
For Oil Based Paint, Add	0.04	
For Orange Peel Finish, Add	0.11	
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0152 SF Paint Interior Drywall/Plaster Ceiling, 1 Coat Paint, Brush/Roller Work	0.79	
For Epoxy Paint, Add	0.06	
For Oil Based Paint, Add	0.04	
For Orange Peel Finish, Add	0.11	
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0153 SF Paint Interior Drywall/Plaster Ceiling, 2 Coats Paint, Brush/Roller Work	1.45	
For Epoxy Paint, Add	0.12	
For Oil Based Paint, Add	0.08	
For Orange Peel Finish, Add	0.21	
For Up To 100, Add	0.99	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.29	
09 91 23 00-0154 SF Paint Interior Drywall/Plaster Ceiling, 1 Coat Primer, Sprayed.....	0.62	
For Epoxy Paint, Add	0.07	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0155 SF Paint Interior Drywall/Plaster Ceiling, 1 Coat Paint, Sprayed.....	0.61	
For Epoxy Paint, Add	0.06	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.40	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0156	SF		Paint Interior Drywall/Plaster Ceiling, 2 Coats Paint, Sprayed.....	0.97	
			For Epoxy Paint, Add	0.11	
			For Oil Based Paint, Add	0.06	
			For Up To 100, Add	0.61	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.19	
09 91 23 00-0157			Paint Interior Metal Ceilings (09 91 23 00-0123)		
09 91 23 00-0158			Galvanized Surfaces, Galvanized Primer (09 91 23 00-0157)		
			Note: Linseed oil or acrylic latex paint.		
09 91 23 00-0159	SF		Paint Interior Galvanized Ceiling, 1 Coat Primer, Brush Work.....	1.03	
			For Electrostatic Painting, Add	0.12	
			For Up To 100, Add	0.72	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.21	
09 91 23 00-0160	SF		Paint Interior Galvanized Ceiling, 1 Coat Paint, Brush Work.....	1.15	
			For Electrostatic Painting, Add	0.13	
			For Up To 100, Add	0.81	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	
09 91 23 00-0161	SF		Paint Interior Galvanized Ceiling, 2 Coats Paint, Brush Work.....	2.07	
			For Electrostatic Painting, Add	0.24	
			For Up To 100, Add	1.44	
			For >100 To 250, Add	0.68	
			For >250 To 500, Add	0.29	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.21	
			For >10,000 To 20,000, Deduct	-0.31	
			For >20,000, Deduct	-0.41	
09 91 23 00-0162	SF		Paint Interior Galvanized Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.79	
			For Electrostatic Painting, Add	0.09	
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 23 00-0163	SF		Paint Interior Galvanized Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.90	
			For Electrostatic Painting, Add	0.10	
			For Up To 100, Add	0.63	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91 23 00-0164	SF		Paint Interior Galvanized Ceiling, 2 Coats Paint, Brush/Roller Work.....	1.65	
			For Electrostatic Painting, Add	0.19	
			For Up To 100, Add	1.14	
			For >100 To 250, Add	0.54	
			For >250 To 500, Add	0.23	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.25	
			For >20,000, Deduct	-0.33	
09 91 23 00-0165	SF		Paint Interior Galvanized Ceiling, 1 Coat Primer, Sprayed.....	0.62	
			For Electrostatic Painting, Add	0.08	
			For Up To 100, Add	0.40	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0166 SF Paint Interior Galvanized Ceiling, 1 Coat Paint, Sprayed.....	0.74	
For Electrostatic Painting, Add	0.09	
For Up To 100, Add	0.49	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 23 00-0167 SF Paint Interior Galvanized Ceiling, 2 Coats Paint, Sprayed.....	1.10	
For Electrostatic Painting, Add	0.14	
For Up To 100, Add	0.69	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 23 00-0168 Aluminum And Aluminum Alloy Surface Pretreatment Primer (09 91 23 00-0157)		
Note: Alkyd enamel paint.		
09 91 23 00-0169 SF Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush Work.....	1.03	
For Electrostatic Painting, Add	0.12	
For Up To 100, Add	0.72	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.21	
09 91 23 00-0170 SF Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush Work	1.15	
For Electrostatic Painting, Add	0.13	
For Up To 100, Add	0.81	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	
09 91 23 00-0171 SF Paint Interior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush Work.....	2.07	
For Electrostatic Painting, Add	0.24	
For Up To 100, Add	1.44	
For >100 To 250, Add	0.68	
For >250 To 500, Add	0.29	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.21	
For >10,000 To 20,000, Deduct	-0.31	
For >20,000, Deduct	-0.41	
09 91 23 00-0172 SF Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.82	
For Electrostatic Painting, Add	0.10	
For Up To 100, Add	0.55	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0173 SF Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.93	
For Electrostatic Painting, Add	0.11	
For Up To 100, Add	0.63	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 23 00-0174 SF Paint Interior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush/Roller Work.....	1.74	
For Electrostatic Painting, Add	0.21	
For Up To 100, Add	1.17	
For >100 To 250, Add	0.55	
For >250 To 500, Add	0.24	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.26	
For >20,000, Deduct	-0.35	
09 91 23 00-0175 SF Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Sprayed.....	0.62	
For Electrostatic Painting, Add	0.08	
For Up To 100, Add	0.40	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0176	SF		Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Sprayed.....	0.74	
			<i>For Electrostatic Painting, Add</i>	0.09	
			<i>For Up To 100, Add</i>	0.49	
			<i>For >100 To 250, Add</i>	0.23	
			<i>For >250 To 500, Add</i>	0.10	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.07	
			<i>For >10,000 To 20,000, Deduct</i>	-0.11	
			<i>For >20,000, Deduct</i>	-0.15	
09 91 23 00-0177	SF		Paint Interior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Sprayed.....	1.10	
			<i>For Electrostatic Painting, Add</i>	0.14	
			<i>For Up To 100, Add</i>	0.69	
			<i>For >100 To 250, Add</i>	0.33	
			<i>For >250 To 500, Add</i>	0.14	
			<i>For >2,500 To 5,000, Deduct</i>	-0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.11	
			<i>For >10,000 To 20,000, Deduct</i>	-0.17	
			<i>For >20,000, Deduct</i>	-0.22	
09 91 23 00-0178			Paint Interior Ceiling Tile Grid (09 91 23 00-0157)		
			Note: Grid only.		
09 91 23 00-0179	LF		Paint Interior Ceiling Tile Grid, 1 Coat Paint, Brush/Roller Work.....	0.23	
			<i>For Electrostatic Painting, Add</i>	0.02	
			<i>For Up To 100, Add</i>	0.17	
			<i>For >100 To 250, Add</i>	0.08	
			<i>For >250 To 500, Add</i>	0.03	
			<i>For >2,500 To 5,000, Deduct</i>	-0.01	
			<i>For >5,000 To 10,000, Deduct</i>	-0.02	
			<i>For >10,000 To 20,000, Deduct</i>	-0.03	
			<i>For >20,000, Deduct</i>	-0.05	
09 91 23 00-0180	LF		Paint Interior Ceiling Tile Grid, 2 Coats Paint, Brush/Roller Work.....	0.47	
			<i>For Electrostatic Painting, Add</i>	0.05	
			<i>For Up To 100, Add</i>	0.33	
			<i>For >100 To 250, Add</i>	0.16	
			<i>For >250 To 500, Add</i>	0.07	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 20,000, Deduct</i>	-0.07	
			<i>For >20,000, Deduct</i>	-0.09	
09 91 23 00-0181			Paint Interior Corrugated Metal Ceilings (09 91 23 00-0157)		
09 91 23 00-0182	SF		Paint Interior Corrugated Metal Ceiling, 1 Coat Primer, Sprayed.....	0.83	
			<i>For Electrostatic Painting, Add</i>	0.11	
			<i>For Up To 100, Add</i>	0.53	
			<i>For >100 To 250, Add</i>	0.25	
			<i>For >250 To 500, Add</i>	0.11	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.08	
			<i>For >10,000 To 20,000, Deduct</i>	-0.12	
			<i>For >20,000, Deduct</i>	-0.17	
09 91 23 00-0183	SF		Paint Interior Corrugated Metal Ceiling, 1 Coat Paint, Sprayed.....	0.99	
			<i>For Electrostatic Painting, Add</i>	0.12	
			<i>For Up To 100, Add</i>	0.65	
			<i>For >100 To 250, Add</i>	0.31	
			<i>For >250 To 500, Add</i>	0.13	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.10	
			<i>For >10,000 To 20,000, Deduct</i>	-0.15	
			<i>For >20,000, Deduct</i>	-0.20	
09 91 23 00-0184	SF		Paint Interior Corrugated Metal Ceiling, 2 Coats Paint, Sprayed.....	1.48	
			<i>For Electrostatic Painting, Add</i>	0.19	
			<i>For Up To 100, Add</i>	0.94	
			<i>For >100 To 250, Add</i>	0.45	
			<i>For >250 To 500, Add</i>	0.19	
			<i>For >2,500 To 5,000, Deduct</i>	-0.07	
			<i>For >5,000 To 10,000, Deduct</i>	-0.15	
			<i>For >10,000 To 20,000, Deduct</i>	-0.22	
			<i>For >20,000, Deduct</i>	-0.30	
09 91 23 00-0185			Paint Interior Wood Ceilings (09 91 23 00-0123)		
09 91 23 00-0186			Paint Interior Smooth Wood Ceilings (09 91 23 00-0185)		
09 91 23 00-0187	SF		Paint Interior Wood Smooth Ceiling, 1 Coat Primer, Brush Work.....	1.12	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.76	
			<i>For >100 To 250, Add</i>	0.36	
			<i>For >250 To 500, Add</i>	0.15	
			<i>For >2,500 To 5,000, Deduct</i>	-0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.11	
			<i>For >10,000 To 20,000, Deduct</i>	-0.17	
			<i>For >20,000, Deduct</i>	-0.22	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0188 SF Paint Interior Wood Smooth Ceiling, 1 Coat Paint, Brush Work.....	1.18	
For Oil Based Paint, Add	0.07	
For Up To 100, Add	0.81	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 23 00-0189 SF Paint Interior Wood Smooth Ceiling, 2 Coats Paint, Brush Work.....	2.13	
For Oil Based Paint, Add	0.12	
For Up To 100, Add	1.45	
For >100 To 250, Add	0.68	
For >250 To 500, Add	0.29	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.21	
For >10,000 To 20,000, Deduct	-0.32	
For >20,000, Deduct	-0.43	
09 91 23 00-0190 SF Paint Interior Smooth Wood Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.87	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.56	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 23 00-0191 SF Paint Interior Smooth Wood Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.96	
For Oil Based Paint, Add	0.06	
For Up To 100, Add	0.64	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 23 00-0192 SF Paint Interior Smooth Wood Ceiling, 2 Coats Paint, Brush/Roller Work.....	1.81	
For Oil Based Paint, Add	0.11	
For Up To 100, Add	1.18	
For >100 To 250, Add	0.56	
For >250 To 500, Add	0.24	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.27	
For >20,000, Deduct	-0.36	
09 91 23 00-0193 SF Paint Interior Smooth Wood Ceiling, 1 Coat Primer, Sprayed.....	0.63	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.40	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.13	
09 91 23 00-0194 SF Paint Interior Smooth Wood Ceiling, 1 Coat Paint, Sprayed.....	0.75	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.49	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 23 00-0195 SF Paint Interior Smooth Wood Ceiling, 2 Coats Paint, Sprayed.....	1.13	
For Oil Based Paint, Add	0.07	
For Up To 100, Add	0.70	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	
09 91 23 00-0196 Paint Interior Wood Beams (09 91 23 00-0123)		
09 91 23 00-0197 SF Paint Interior Wood Beams, 1 Coat Primer, Brush Work.....	1.24	
For Oil Based Paint, Add	0.07	
For Up To 100, Add	0.85	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.25	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0198	SF		Paint Interior Wood Beams, 1 Coat Paint, Brush Work.....	1.28	
			For Oil Based Paint, Add	0.07	
			For Up To 100, Add	0.89	
			For >100 To 250, Add	0.42	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.26	
09 91 23 00-0199	SF		Paint Interior Wood Beams, 2 Coats Paint, Brush Work.....	2.34	
			For Oil Based Paint, Add	0.13	
			For Up To 100, Add	1.61	
			For >100 To 250, Add	0.76	
			For >250 To 500, Add	0.33	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.23	
			For >10,000 To 20,000, Deduct	-0.35	
			For >20,000, Deduct	-0.47	
09 91 23 00-0200	SF		Paint Interior Wood Beams, 1 Coat Primer, Brush/Roller Work.....	0.97	
			For Oil Based Paint, Add	0.06	
			For Up To 100, Add	0.63	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.19	
09 91 23 00-0201	SF		Paint Interior Wood Beams, 1 Coat Paint, Brush/Roller Work.....	0.96	
			For Oil Based Paint, Add	0.06	
			For Up To 100, Add	0.64	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	
09 91 23 00-0202	SF		Paint Interior Wood Beams, 2 Coats Paint, Brush/Roller Work.....	1.81	
			For Oil Based Paint, Add	0.11	
			For Up To 100, Add	1.18	
			For >100 To 250, Add	0.56	
			For >250 To 500, Add	0.24	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000 To 20,000, Deduct	-0.27	
			For >20,000, Deduct	-0.36	
09 91 23 00-0203	SF		Paint Interior Wood Beams, 1 Coat Primer, Sprayed.....	0.75	
			For Oil Based Paint, Add	0.04	
			For Up To 100, Add	0.49	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
09 91 23 00-0204	SF		Paint Interior Wood Beams, 1 Coat Paint, Sprayed.....	0.75	
			For Oil Based Paint, Add	0.04	
			For Up To 100, Add	0.49	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
09 91 23 00-0205	SF		Paint Interior Wood Beams, 2 Coats Paint, Sprayed.....	1.25	
			For Oil Based Paint, Add	0.08	
			For Up To 100, Add	0.79	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.25	
09 91 23 00-0206			Paint Interior Floors And Decks (09 91 23)		
09 91 23 00-0207			Paint Interior Concrete Floors And Decks (09 91 23 00-0206)		
09 91 23 00-0208	SF		Paint Interior Concrete Floors And Decks, 1 Coat Primer, Brush Work.....	0.69	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.06	
			For Up To 100, Add	0.46	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.14	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0209 SF Paint Interior Concrete Floors And Decks, 1 Coat Paint, Brush Work	0.79	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0210 SF Paint Interior Concrete Floors And Decks, 2 Coats Paint, Brush Work.....	1.53	
For Oil Based Paint, Add	0.08	
For Epoxy Paint, Add	0.12	
For Up To 100, Add	1.05	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.31	
09 91 23 00-0211 SF Paint Interior Concrete Floors And Decks, 1 Coat Primer, Brush/Roller Work.....	0.68	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.45	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	
09 91 23 00-0212 SF Paint Interior Concrete Floors And Decks, 1 Coat Paint, Brush/Roller Work.....	0.67	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.45	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 23 00-0213 SF Paint Interior Concrete Floors And Decks, 2 Coats Paint, Brush/Roller Work.....	1.08	
For Oil Based Paint, Add	0.06	
For Epoxy Paint, Add	0.10	
For Up To 100, Add	0.71	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.22	
09 91 23 00-0214 SF Paint Interior Concrete Floors And Decks, 1 Coat Primer, Sprayed.....	0.47	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.28	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 23 00-0215 SF Paint Interior Concrete Floors And Decks, 1 Coat Paint, Sprayed.....	0.48	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.30	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.10	
09 91 23 00-0216 SF Paint Interior Concrete Floors And Decks, 2 Coats Paint, Sprayed.....	0.83	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.10	
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.17	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0217	SF		Paint Interior Concrete Floors And Decks, 1 Coat Bonding Agent, Brush.....	0.71	
			<i>For Up To 100, Add</i>	0.46	
			<i>For >100 To 250, Add</i>	0.22	
			<i>For >250 To 500, Add</i>	0.09	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.07	
			<i>For >10,000 To 20,000, Deduct</i>	-0.11	
			<i>For >20,000, Deduct</i>	-0.14	
09 91 23 00-0218	SF		Paint Interior Concrete Floors And Decks, 1 Coat Bonding Agent, Brush/Roller Work.....	0.70	
			<i>For Up To 100, Add</i>	0.45	
			<i>For >100 To 250, Add</i>	0.22	
			<i>For >250 To 500, Add</i>	0.09	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.07	
			<i>For >10,000 To 20,000, Deduct</i>	-0.11	
			<i>For >20,000, Deduct</i>	-0.14	
09 91 23 00-0219	SF		Paint Interior Concrete Floors And Decks, 1 Coat Bonding Agent, Sprayed.....	0.50	
			<i>For Up To 100, Add</i>	0.29	
			<i>For >100 To 250, Add</i>	0.14	
			<i>For >250 To 500, Add</i>	0.06	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 20,000, Deduct</i>	-0.08	
			<i>For >20,000, Deduct</i>	-0.10	
09 91 23 00-0220	SF		Paint Interior Concrete Floors And Decks, 1 Coat Non Slip Paint, Brush Work.....	1.59	
			<i>For Up To 100, Add</i>	0.66	
			<i>For >100 To 250, Add</i>	0.34	
			<i>For >250 To 500, Add</i>	0.15	
			<i>For >2,500 To 5,000, Deduct</i>	-0.08	
			<i>For >5,000 To 10,000, Deduct</i>	-0.16	
			<i>For >10,000 To 20,000, Deduct</i>	-0.24	
			<i>For >20,000, Deduct</i>	-0.32	
09 91 23 00-0221	SF		Paint Interior Concrete Floors And Decks, 1 Coat Non Slip Epoxy Coating, Brush Work (Rust-Oleum® AS91864251).....	3.99	
			<i>For Up To 100, Add</i>	1.02	
			<i>For >100 To 250, Add</i>	0.58	
			<i>For >250 To 500, Add</i>	0.27	
			<i>For >2,500 To 5,000, Deduct</i>	-0.20	
			<i>For >5,000 To 10,000, Deduct</i>	-0.40	
			<i>For >10,000 To 20,000, Deduct</i>	-0.60	
			<i>For >20,000, Deduct</i>	-0.80	
09 91 23 00-0222			Paint Interior Wood Floors And Decks (09 91 23 00-0206)		
09 91 23 00-0223	SF		Paint Interior Wood Floors And Decks, 1 Coat Primer, Brush Work.....	0.85	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Up To 100, Add</i>	0.55	
			<i>For >100 To 250, Add</i>	0.26	
			<i>For >250 To 500, Add</i>	0.11	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.09	
			<i>For >10,000 To 20,000, Deduct</i>	-0.13	
			<i>For >20,000, Deduct</i>	-0.17	
09 91 23 00-0224	SF		Paint Interior Wood Floors And Decks, 1 Coat Paint, Brush Work.....	0.94	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Up To 100, Add</i>	0.63	
			<i>For >100 To 250, Add</i>	0.30	
			<i>For >250 To 500, Add</i>	0.13	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.09	
			<i>For >10,000 To 20,000, Deduct</i>	-0.14	
			<i>For >20,000, Deduct</i>	-0.19	
09 91 23 00-0225	SF		Paint Interior Wood Floors And Decks, 2 Coats Paint, Brush Work.....	1.78	
			<i>For Oil Based Paint, Add</i>	0.10	
			<i>For Up To 100, Add</i>	1.19	
			<i>For >100 To 250, Add</i>	0.56	
			<i>For >250 To 500, Add</i>	0.24	
			<i>For >2,500 To 5,000, Deduct</i>	-0.09	
			<i>For >5,000 To 10,000, Deduct</i>	-0.18	
			<i>For >10,000 To 20,000, Deduct</i>	-0.27	
			<i>For >20,000, Deduct</i>	-0.36	
09 91 23 00-0226	SF		Paint Interior Wood Floors And Decks, 1 Coat Primer, Brush/Roller Work.....	0.66	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Up To 100, Add</i>	0.40	
			<i>For >100 To 250, Add</i>	0.19	
			<i>For >250 To 500, Add</i>	0.08	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.07	
			<i>For >10,000 To 20,000, Deduct</i>	-0.10	
			<i>For >20,000, Deduct</i>	-0.13	



	Finishes 09
	Painting And Coating 09 90
	Painting 09 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0227 SF Paint Interior Wood Floors And Decks, 1 Coat Paint, Brush/Roller Work	0.73	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 23 00-0228 SF Paint Interior Wood Floors And Decks, 2 Coats Paint, Brush/Roller Work	1.45	
For Oil Based Paint, Add	0.09	
For Up To 100, Add	0.91	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.29	
09 91 23 00-0229 SF Paint Interior Wood Floors And Decks, 1 Coat Primer, Sprayed.....	0.50	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.30	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	
09 91 23 00-0230 SF Paint Interior Wood Floors And Decks, 1 Coat Paint, Sprayed.....	0.63	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.40	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.13	
09 91 23 00-0231 SF Paint Interior Wood Floors And Decks, 2 Coats Paint, Sprayed	0.89	
For Oil Based Paint, Add	0.06	
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	
09 91 23 00-0232 SF Paint Interior Wood Floors And Decks, 1 Coat Non Slip Paint, Brush Work	1.59	
For Up To 100, Add	0.66	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.32	
09 91 23 00-0233 SF Paint Interior Wood Floors And Decks, 1 Coat Non Slip Epoxy Coating, Brush Work.....	3.99	
For Up To 100, Add	1.02	
For >100 To 250, Add	0.58	
For >250 To 500, Add	0.27	
For >2,500 To 5,000, Deduct	-0.20	
For >5,000 To 10,000, Deduct	-0.40	
For >10,000 To 20,000, Deduct	-0.60	
For >20,000, Deduct	-0.80	
09 91 23 00-0234 Paint Interior Doors And Windows <small>(09 91 23)</small>		
09 91 23 00-0235 Paint Interior Door Frames <small>(09 91 23 00-0234)</small>		
09 91 23 00-0236 LF Paint Interior Wood Door Frame And Trim, 1 Coat Primer, Brush/Roller Work.....	1.08	
For Oil Based Paint, Add	0.06	
For Painting One Face Of Frame Only, Deduct	-0.28	
09 91 23 00-0237 LF Paint Interior Wood Door Frame And Trim, 1 Coat Paint, Brush/Roller Work.....	1.42	
For Oil Based Paint, Add	0.07	
For Painting One Face Of Frame Only, Deduct	-0.37	
09 91 23 00-0238 LF Paint Interior Wood Door Frame And Trim, 2 Coats Paint, Brush/Roller Work	2.40	
For Oil Based Paint, Add	0.13	
For Painting One Face Of Frame Only, Deduct	-0.62	
09 91 23 00-0239 LF Paint Interior Metal Door Frame And Trim, 1 Coat Primer, Brush/Roller Work	1.05	
For Oil Based Paint, Add	0.05	
For Painting One Face Of Frame Only, Deduct	-0.27	
09 91 23 00-0240 LF Paint Interior Metal Door Frame And Trim, 1 Coat Paint, Brush/Roller Work	1.39	
For Oil Based Paint, Add	0.07	
For Painting One Face Of Frame Only, Deduct	-0.35	
09 91 23 00-0241 LF Paint Interior Metal Door Frame And Trim, 2 Coats Paint, Brush/Roller Work.....	2.35	
For Oil Based Paint, Add	0.12	
For Painting One Face Of Frame Only, Deduct	-0.60	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0242	Paint Interior Metal Doors <small>(09 91 23 00-0234)</small>		
09 91 23 00-0243	EA Paint Interior Metal Door, One Face, 1 Coat Primer, Brush/Roller Work	40.57	
	<i>For Electrostatic Painting, Add</i>	5.03	
	<i>For Half Louvered Door, Add</i>	5.11	
	<i>For Full Louvered Door, Add</i>	8.52	
	<i>For Oil Based Paint, Add</i>	2.35	
	<i>For >5 To 10, Deduct</i>	-2.03	
	<i>For >10 To 25, Deduct</i>	-4.06	
	<i>For >25, Deduct</i>	-6.09	
09 91 23 00-0244	EA Paint Interior Metal Door, One Face, 1 Coat Paint, Brush/Roller Work.....	40.57	
	<i>For Electrostatic Painting, Add</i>	5.03	
	<i>For Half Louvered Door, Add</i>	5.11	
	<i>For Full Louvered Door, Add</i>	8.52	
	<i>For Oil Based Paint, Add</i>	2.35	
	<i>For >5 To 10, Deduct</i>	-2.03	
	<i>For >10 To 25, Deduct</i>	-4.06	
	<i>For >25, Deduct</i>	-6.09	
09 91 23 00-0245	EA Paint Interior Metal Door, One Face, 2 Coats Paint, Brush/Roller Work	70.45	
	<i>For Electrostatic Painting, Add</i>	8.98	
	<i>For Half Louvered Door, Add</i>	8.63	
	<i>For Full Louvered Door, Add</i>	14.39	
	<i>For Oil Based Paint, Add</i>	4.17	
	<i>For >5 To 10, Deduct</i>	-3.52	
	<i>For >10 To 25, Deduct</i>	-7.05	
	<i>For >25, Deduct</i>	-10.57	
09 91 23 00-0246	EA Paint Interior Metal Door, Both Faces, 1 Coat Primer, Brush/Roller Work.....	72.76	
	<i>For Electrostatic Painting, Add</i>	9.03	
	<i>For Half Louvered Door, Add</i>	9.17	
	<i>For Full Louvered Door, Add</i>	15.28	
	<i>For Oil Based Paint, Add</i>	4.22	
	<i>For >5 To 10, Deduct</i>	-3.64	
	<i>For >10 To 25, Deduct</i>	-7.28	
	<i>For >25, Deduct</i>	-10.91	
09 91 23 00-0247	EA Paint Interior Metal Door, Both Faces, 1 Coat Paint, Brush/Roller Work	72.77	
	<i>For Electrostatic Painting, Add</i>	9.03	
	<i>For Half Louvered Door, Add</i>	9.17	
	<i>For Full Louvered Door, Add</i>	15.28	
	<i>For Oil Based Paint, Add</i>	4.22	
	<i>For >5 To 10, Deduct</i>	-3.64	
	<i>For >10 To 25, Deduct</i>	-7.28	
	<i>For >25, Deduct</i>	-10.92	
09 91 23 00-0248	EA Paint Interior Metal Door, Both Faces, 2 Coats Paint, Brush/Roller Work.....	126.70	
	<i>For Electrostatic Painting, Add</i>	16.17	
	<i>For Half Louvered Door, Add</i>	15.51	
	<i>For Full Louvered Door, Add</i>	25.85	
	<i>For Oil Based Paint, Add</i>	7.50	
	<i>For >5 To 10, Deduct</i>	-6.34	
	<i>For >10 To 25, Deduct</i>	-12.67	
	<i>For >25, Deduct</i>	-19.01	
09 91 23 00-0249	EA Paint Interior Metal Door, One Face, 1 Coat Primer, Sprayed.....	29.13	
	<i>For Electrostatic Painting, Add</i>	3.98	
	<i>For Half Louvered Door, Add</i>	3.30	
	<i>For Full Louvered Door, Add</i>	5.50	
	<i>For Oil Based Paint, Add</i>	1.81	
	<i>For >5 To 10, Deduct</i>	-1.46	
	<i>For >10 To 25, Deduct</i>	-2.91	
	<i>For >25, Deduct</i>	-4.37	
09 91 23 00-0250	EA Paint Interior Metal Door, One Face, 1 Coat Paint, Sprayed	29.13	
	<i>For Electrostatic Painting, Add</i>	3.98	
	<i>For Half Louvered Door, Add</i>	3.30	
	<i>For Full Louvered Door, Add</i>	5.50	
	<i>For Oil Based Paint, Add</i>	1.81	
	<i>For >5 To 10, Deduct</i>	-1.46	
	<i>For >10 To 25, Deduct</i>	-2.91	
	<i>For >25, Deduct</i>	-4.37	
09 91 23 00-0251	EA Paint Interior Metal Door, One Face, 2 Coats Paint, Sprayed.....	51.31	
	<i>For Electrostatic Painting, Add</i>	7.26	
	<i>For Half Louvered Door, Add</i>	5.57	
	<i>For Full Louvered Door, Add</i>	9.28	
	<i>For Oil Based Paint, Add</i>	3.27	
	<i>For >5 To 10, Deduct</i>	-2.57	
	<i>For >10 To 25, Deduct</i>	-5.13	
	<i>For >25, Deduct</i>	-7.70	
09 91 23 00-0252	EA Paint Interior Metal Door, Both Faces, 1 Coat Primer, Sprayed.....	52.26	
	<i>For Electrostatic Painting, Add</i>	7.15	
	<i>For Half Louvered Door, Add</i>	5.91	
	<i>For Full Louvered Door, Add</i>	9.86	
	<i>For Oil Based Paint, Add</i>	3.25	
	<i>For >5 To 10, Deduct</i>	-2.61	
	<i>For >10 To 25, Deduct</i>	-5.23	
	<i>For >25, Deduct</i>	-7.84	



	Finishes	09
	Painting And Coating	09 90
	Painting	09 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0253 EA Paint Interior Metal Door, Both Faces, 1 Coat Paint, Sprayed.....	52.26	
For Electrostatic Painting, Add	7.15	
For Half Louvered Door, Add	5.91	
For Full Louvered Door, Add	9.86	
For Oil Based Paint, Add	3.25	
For >5 To 10, Deduct	-2.61	
For >10 To 25, Deduct	-5.23	
For >25, Deduct	-7.84	
09 91 23 00-0254 EA Paint Interior Metal Door, Both Faces, 2 Coats Paint, Sprayed.....	92.37	
For Electrostatic Painting, Add	13.08	
For Half Louvered Door, Add	10.01	
For Full Louvered Door, Add	16.68	
For Oil Based Paint, Add	5.90	
For >5 To 10, Deduct	-4.62	
For >10 To 25, Deduct	-9.24	
For >25, Deduct	-13.86	
09 91 23 00-0255 Paint Interior Wood Doors (09 91 23 00-0234)		
09 91 23 00-0256 EA Paint Interior Wood Door, One Face, 1 Coat Primer, Brush/Roller Work.....	43.76	
For Oil Based Paint, Add	2.67	
For Half Louvered Door, Add	5.11	
For Full Louvered Door, Add	8.52	
For >5 To 10, Deduct	-2.19	
For >10 To 25, Deduct	-4.38	
For >25, Deduct	-6.56	
09 91 23 00-0257 EA Paint Interior Wood Door, One Face, 1 Coat Paint, Brush/Roller Work.....	43.76	
For Oil Based Paint, Add	2.67	
For Half Louvered Door, Add	5.11	
For Full Louvered Door, Add	8.52	
For >5 To 10, Deduct	-2.19	
For >10 To 25, Deduct	-4.38	
For >25, Deduct	-6.56	
09 91 23 00-0258 EA Paint Interior Wood Door, One Face, 2 Coats Paint, Brush/Roller Work.....	76.81	
For Oil Based Paint, Add	4.80	
For Half Louvered Door, Add	8.63	
For Full Louvered Door, Add	14.39	
For >5 To 10, Deduct	-3.84	
For >10 To 25, Deduct	-7.68	
For >25, Deduct	-11.52	
09 91 23 00-0259 EA Paint Interior Wood Door, Both Faces, 1 Coat Primer, Brush/Roller Work.....	78.51	
For Oil Based Paint, Add	4.80	
For Half Louvered Door, Add	9.17	
For Full Louvered Door, Add	15.28	
For >5 To 10, Deduct	-3.93	
For >10 To 25, Deduct	-7.85	
For >25, Deduct	-11.78	
09 91 23 00-0260 EA Paint Interior Wood Door, Both Faces, 1 Coat Paint, Brush/Roller Work.....	78.51	
For Oil Based Paint, Add	4.80	
For Half Louvered Door, Add	9.17	
For Full Louvered Door, Add	15.28	
For >5 To 10, Deduct	-3.93	
For >10 To 25, Deduct	-7.85	
For >25, Deduct	-11.78	
09 91 23 00-0261 EA Paint Interior Wood Door, Both Faces, 2 Coats Paint, Brush/Roller Work.....	138.19	
For Oil Based Paint, Add	8.65	
For Half Louvered Door, Add	15.51	
For Full Louvered Door, Add	25.85	
For >5 To 10, Deduct	-6.91	
For >10 To 25, Deduct	-13.82	
For >25, Deduct	-20.73	
09 91 23 00-0262 EA Paint Interior Wood Door, One Face, 1 Coat Primer, Sprayed.....	32.64	
For Oil Based Paint, Add	2.16	
For Half Louvered Door, Add	3.30	
For Full Louvered Door, Add	5.50	
For >5 To 10, Deduct	-1.63	
For >10 To 25, Deduct	-3.26	
For >25, Deduct	-4.90	
09 91 23 00-0263 EA Paint Interior Wood Door, One Face, 1 Coat Paint, Sprayed.....	32.64	
For Oil Based Paint, Add	2.16	
For Half Louvered Door, Add	3.30	
For Full Louvered Door, Add	5.50	
For >5 To 10, Deduct	-1.63	
For >10 To 25, Deduct	-3.26	
For >25, Deduct	-4.90	
09 91 23 00-0264 EA Paint Interior Wood Door, One Face, 2 Coats Paint, Sprayed.....	58.33	
For Oil Based Paint, Add	3.98	
For Half Louvered Door, Add	5.57	
For Full Louvered Door, Add	9.29	
For >5 To 10, Deduct	-2.92	
For >10 To 25, Deduct	-5.83	
For >25, Deduct	-8.75	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0265	EA		Paint Interior Wood Door, Both Faces, 1 Coat Primer, Sprayed.....	58.57	
			<i>For Oil Based Paint, Add</i>	3.89	
			<i>For Half Louvered Door, Add</i>	5.91	
			<i>For Full Louvered Door, Add</i>	9.86	
			<i>For >5 To 10, Deduct</i>	-2.93	
			<i>For >10 To 25, Deduct</i>	-5.86	
			<i>For >25, Deduct</i>	-8.79	
09 91 23 00-0266	EA		Paint Interior Wood Door, Both Faces, 1 Coat Paint, Sprayed.....	58.57	
			<i>For Oil Based Paint, Add</i>	3.89	
			<i>For Half Louvered Door, Add</i>	5.91	
			<i>For Full Louvered Door, Add</i>	9.86	
			<i>For >5 To 10, Deduct</i>	-2.93	
			<i>For >10 To 25, Deduct</i>	-5.86	
			<i>For >25, Deduct</i>	-8.79	
09 91 23 00-0267	EA		Paint Interior Wood Door, Both Faces, 2 Coats Paint, Sprayed.....	105.01	
			<i>For Oil Based Paint, Add</i>	7.17	
			<i>For Half Louvered Door, Add</i>	10.01	
			<i>For Full Louvered Door, Add</i>	16.68	
			<i>For >5 To 10, Deduct</i>	-5.25	
			<i>For >10 To 25, Deduct</i>	-10.50	
			<i>For >25, Deduct</i>	-15.75	
09 91 23 00-0268			Paint Interior Metal Windows <small>(09 91 23 00-0234)</small>		
			Note: Two finish coats paint over rust inhibitive primer.		
09 91 23 00-0269	EA		Up To 8 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work.....	80.71	
			<i>For Oil Based Paint, Add</i>	4.25	
			<i>For Electrostatic Painting, Add</i>	8.72	
			<i>For >5 To 10, Deduct</i>	-4.04	
			<i>For >10 To 25, Deduct</i>	-8.07	
			<i>For >25, Deduct</i>	-12.11	
09 91 23 00-0270	EA		>8 To 14 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work.....	94.79	
			<i>For Oil Based Paint, Add</i>	5.07	
			<i>For Electrostatic Painting, Add</i>	10.48	
			<i>For >5 To 10, Deduct</i>	-4.74	
			<i>For >10 To 25, Deduct</i>	-9.48	
			<i>For >25, Deduct</i>	-14.22	
09 91 23 00-0271	EA		>14 To 20 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work.....	126.99	
			<i>For Oil Based Paint, Add</i>	6.82	
			<i>For Electrostatic Painting, Add</i>	14.12	
			<i>For >5 To 10, Deduct</i>	-6.35	
			<i>For >10 To 25, Deduct</i>	-12.70	
			<i>For >25, Deduct</i>	-19.05	
09 91 23 00-0272	EA		>20 To 26 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work.....	142.92	
			<i>For Oil Based Paint, Add</i>	7.68	
			<i>For Electrostatic Painting, Add</i>	15.90	
			<i>For >5 To 10, Deduct</i>	-7.15	
			<i>For >10 To 25, Deduct</i>	-14.29	
			<i>For >25, Deduct</i>	-21.44	
09 91 23 00-0273	EA		>26 To 34 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work.....	158.67	
			<i>For Oil Based Paint, Add</i>	8.52	
			<i>For Electrostatic Painting, Add</i>	17.63	
			<i>For >5 To 10, Deduct</i>	-7.93	
			<i>For >10 To 25, Deduct</i>	-15.87	
			<i>For >25, Deduct</i>	-23.80	
09 91 23 00-0274	SF		>34 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work.....	5.04	
			<i>For Oil Based Paint, Add</i>	0.27	
			<i>For Electrostatic Painting, Add</i>	0.56	
09 91 23 00-0275			Wood Windows <small>(09 91 23 00-0234)</small>		
			Note: Two finish coats paint over primer.		
09 91 23 00-0276	EA		Up To 8 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work.....	82.83	
			<i>For Oil Based Paint, Add</i>	4.46	
			<i>For >5 To 10, Deduct</i>	-4.14	
			<i>For >10 To 25, Deduct</i>	-8.28	
			<i>For >25, Deduct</i>	-12.42	
09 91 23 00-0277	EA		>8 To 14 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work.....	98.07	
			<i>For Oil Based Paint, Add</i>	5.40	
			<i>For >5 To 10, Deduct</i>	-4.90	
			<i>For >10 To 25, Deduct</i>	-9.81	
			<i>For >25, Deduct</i>	-14.71	
09 91 23 00-0278	EA		>14 To 20 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work.....	133.98	
			<i>For Oil Based Paint, Add</i>	7.40	
			<i>For >5 To 10, Deduct</i>	-6.70	
			<i>For >10 To 25, Deduct</i>	-13.40	
			<i>For >25, Deduct</i>	-20.10	
09 91 23 00-0279	EA		>20 To 26 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work.....	150.83	
			<i>For Oil Based Paint, Add</i>	8.34	
			<i>For >5 To 10, Deduct</i>	-7.54	
			<i>For >10 To 25, Deduct</i>	-15.08	
			<i>For >25, Deduct</i>	-22.62	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	23 00-0280	EA	>26 To 34 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work..... <i>For Oil Based Paint, Add</i> <i>For >5 To 10, Deduct</i> <i>For >10 To 25, Deduct</i> <i>For >25, Deduct</i>	164.46 9.10 -8.22 -16.45 -24.67	
09 91	23 00-0281	SF	>34 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work..... <i>For Oil Based Paint, Add</i>	5.52 0.30	
09 91 23 00-0282 Paint Interior Security Screens (09 91 23 00-0234)					
09 91	23 00-0283	SF	Paint Interior Security Screen, 1 Coat Primer, Brush/Roller Work..... <i>For Oil Based Paint, Add</i> <i>For Electrostatic Painting, Add</i>	1.17 0.06 0.13	
09 91	23 00-0284	SF	Paint Interior Security Screen, 1 Coat Paint, Brush/Roller Work..... <i>For Oil Based Paint, Add</i> <i>For Electrostatic Painting, Add</i>	1.26 0.07 0.14	
09 91	23 00-0285	SF	Paint Interior Security Screen, 2 Coats Paint, Brush/Roller Work..... <i>For Oil Based Paint, Add</i> <i>For Electrostatic Painting, Add</i>	2.06 0.11 0.22	
09 91 23 00-0286 Paint Interior Window Guards (09 91 23 00-0234)					
09 91	23 00-0287	SF	Paint Interior Metal Window Guards, 1 Coat Primer, Brush/Roller Work..... <i>For Oil Based Paint, Add</i>	1.17 0.06	
09 91	23 00-0288	SF	Paint Interior Metal Window Guards, 1 Coat Paint, Brush/Roller Work..... <i>For Oil Based Paint, Add</i>	1.26 0.07	
09 91	23 00-0289	SF	Paint Interior Metal Window Guards, 2 Coats Paint, Brush/Roller Work..... <i>For Oil Based Paint, Add</i>	2.06 0.11	
09 91 23 00-0290 Paint Interior Window Trim (09 91 23 00-0234)					
09 91	23 00-0291	LF	Paint Interior Wood Window Frame And Trim, 1 Coat Primer, Brush/Roller Work..... <i>For Oil Based Paint, Add</i> <i>For Painting One Face Of Frame Only, Deduct</i>	1.22 0.07 -0.33	
09 91	23 00-0292	LF	Paint Interior Wood Window Frame And Trim, 1 Coat Paint, Brush/Roller Work..... <i>For Oil Based Paint, Add</i> <i>For Painting One Face Of Frame Only, Deduct</i>	1.22 0.07 -0.33	
09 91	23 00-0293	LF	Paint Interior Wood Window Frame And Trim, 2 Coats Paint, Brush/Roller Work..... <i>For Oil Based Paint, Add</i> <i>For Painting One Face Of Frame Only, Deduct</i>	2.70 0.15 -0.73	
09 91	23 00-0294	LF	Paint Interior Metal Window Frame And Trim, 1 Coat Primer, Brush/Roller Work..... Note: Brush/roller work. <i>For Painting One Face Of Frame Only, Deduct</i>	1.18 -0.32	
09 91	23 00-0295	LF	Paint Interior Metal Window Frame And Trim, 1 Coat Paint, Brush/Roller Work..... Note: Brush/roller work. <i>For Painting One Face Of Frame Only, Deduct</i>	1.18 -0.32	
09 91	23 00-0296	LF	Paint Interior Metal Window Frame And Trim, 2 Coats Paint, Brush/Roller Work..... Note: Brush/roller work. <i>For Painting One Face Of Frame Only, Deduct</i>	2.62 -0.70	
09 91 23 00-0297 Paint Interior Cabinets And Casework (09 91 23)					
09 91 23 00-0298 Paint Interior Wood Cabinets And Casework (09 91 23 00-0297)					
09 91	23 00-0299	SF	Paint Interior Wood Cabinets And Casework, 1 Coat Paint, Brush/Roller Work..... <i>For >5,000 To 10,000, Deduct</i> <i>For >10,000 To 20,000, Deduct</i> <i>For >20,000, Deduct</i>	1.23 -0.06 -0.12 -0.18	
09 91	23 00-0300	SF	Paint Interior Wood Cabinets And Casework, 1 Coat Enamel Primer, 1 Coat Alkyd Or Latex Paint, Brush/Roller Work..... <i>For >5,000 To 10,000, Deduct</i> <i>For >10,000 To 20,000, Deduct</i> <i>For >20,000, Deduct</i>	1.67 -0.08 -0.17 -0.25	
09 91	23 00-0301	SF	Paint Interior Wood Cabinets And Casework, 1 Coat Enamel Primer, 2 Coats Alkyd Or Latex Paint, Brush/Roller Work..... <i>For >5,000 To 10,000, Deduct</i> <i>For >10,000 To 20,000, Deduct</i> <i>For >20,000, Deduct</i>	2.59 -0.13 -0.26 -0.39	
09 91 23 00-0302 Paint Exposed Metal Lockers (09 91 23 00-0297)					
09 91	23 00-0303	SF	Paint Exposed Metal Locker, 1 Coat Primer, Brush/Roller Work..... <i>For >5,000 To 10,000, Deduct</i> <i>For >10,000 To 20,000, Deduct</i> <i>For >20,000, Deduct</i>	1.08 -0.05 -0.11 -0.16	
09 91	23 00-0304	SF	Paint Exposed Metal Locker, 1 Coat Alkyd Enamel, Brush/Roller Work..... <i>For >5,000 To 10,000, Deduct</i> <i>For >10,000 To 20,000, Deduct</i> <i>For >20,000, Deduct</i>	1.15 -0.06 -0.12 -0.17	
09 91	23 00-0305	SF	Paint Exposed Metal Locker, 2 Coats Alkyd Enamel, Brush/Roller Work..... <i>For >5,000 To 10,000, Deduct</i> <i>For >10,000 To 20,000, Deduct</i> <i>For >20,000, Deduct</i>	2.10 -0.11 -0.21 -0.32	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0306 Paint Interior Stairs <small>(09 91 23)</small>		
09 91 23 00-0307 Paint Interior Concrete Stairs <small>(09 91 23 00-0306)</small>		
Note: Includes the riser and tread.		
09 91 23 00-0308 RSR Paint Interior Concrete Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work	16.90	
09 91 23 00-0309 RSR Paint Interior Concrete Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work	16.90	
09 91 23 00-0310 RSR Paint Interior Concrete Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work	11.97	
Note: Excludes riser.		
09 91 23 00-0311 RSR Paint Interior Concrete Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work	21.58	
Note: Excludes riser.		
09 91 23 00-0312 RSR Paint Interior Concrete Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work	33.80	
09 91 23 00-0313 Paint Interior Metal Stairs <small>(09 91 23 00-0306)</small>		
Note: Includes the riser and tread.		
09 91 23 00-0314 RSR Paint Interior Metal Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work	8.86	
09 91 23 00-0315 RSR Paint Interior Metal Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work	8.51	
09 91 23 00-0316 RSR Paint Interior Metal Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work	17.02	
09 91 23 00-0317 Paint Interior Wood Stairs <small>(09 91 23 00-0306)</small>		
Note: Includes the riser and tread.		
09 91 23 00-0318 RSR Paint Interior Wood Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work	8.63	
09 91 23 00-0319 RSR Paint Interior Wood Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work	8.62	
09 91 23 00-0320 RSR Paint Interior Wood Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work	7.82	
Note: Excludes riser.		
09 91 23 00-0321 RSR Paint Interior Wood Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work	17.43	
Note: Excludes riser.		
09 91 23 00-0322 RSR Paint Interior Wood Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work	17.25	
09 91 23 00-0323 Paint Interior Stair Nosing <small>(09 91 23 00-0306)</small>		
09 91 23 00-0324 LF Paint Interior Yellow Stair Safety Strip, Up To 2", Non Slip, Brush Work	1.50	
09 91 23 00-0325 Paint Interior Trim <small>(09 91 23)</small>		
09 91 23 00-0326 Paint Interior Metal Trim <small>(09 91 23 00-0325)</small>		
09 91 23 00-0327 SF Paint Interior Exposed Metal Trim, 1 Coat Primer, Brush Work	1.13	
09 91 23 00-0328 SF Paint Interior Exposed Metal Trim, 1 Coat Paint, Brush Work	1.13	
09 91 23 00-0329 SF Paint Interior Exposed Metal Trim, 2 Coats Paint, Brush Work	2.03	
09 91 23 00-0330 SF Paint Interior Metal Trim, 1 Coat Primer, Brush/Roller Work	1.13	
09 91 23 00-0331 SF Paint Interior Metal Trim, 1 Coat Paint, Brush/Roller Work	1.13	
09 91 23 00-0332 SF Paint Interior Metal Trim, 2 Coats Paint, Brush/Roller Work	2.03	
09 91 23 00-0333 Paint Interior Wood Trim <small>(09 91 23 00-0325)</small>		
09 91 23 00-0334 LF Paint Interior Wood Trim To 6" Wide, 1 Coat Primer, Brush Work	0.75	
For Oil Based Paint, Add	0.04	
09 91 23 00-0335 LF Paint Interior Wood Trim To 6" Wide, 1 Coat Paint, Brush Work	0.84	
For Oil Based Paint, Add	0.04	
09 91 23 00-0336 LF Paint Interior Wood Trim To 6" Wide, 2 Coats Paint	1.75	
For Oil Based Paint, Add	0.09	
09 91 23 00-0337 SF Paint Interior Wood Trim, 1 Coat Primer, Brush Work	2.27	
For Oil Based Paint, Add	0.12	
09 91 23 00-0338 SF Paint Interior Wood Trim, 1 Coat Paint, Brush Work	2.52	
For Oil Based Paint, Add	0.14	
09 91 23 00-0339 SF Paint Interior Wood Trim, 2 Coats Paint, Brush Work	5.41	
For Oil Based Paint, Add	0.29	
09 91 23 00-0340 SF Paint Interior Wood Trim, 1 Coat Primer, Brush/Roller Work	2.27	
For Oil Based Paint, Add	0.12	
09 91 23 00-0341 SF Paint Interior Wood Trim, 1 Coat Paint, Brush/Roller Work	2.52	
For Oil Based Paint, Add	0.14	
09 91 23 00-0342 SF Paint Interior Wood Trim, 2 Coats Paint, Brush/Roller Work	5.41	
For Oil Based Paint, Add	0.29	
09 91 23 00-0343 Paint Additives <small>(09 91 23)</small>		
09 91 23 00-0344 SF Mildewcide/Mold Killing Paint Additive Per Each Coat	0.02	
09 91 23 00-0345 SF Class "B" Fire Rating, Fire Resistant Paint Additive	0.04	
For Class "A" Fire Rating, Add	0.04	
09 91 23 00-0346 Hand Painting Letters/Numbers <small>(09 91 23)</small>		
Note: Painting on walls, floors, poles, signs, etc.		
09 91 23 00-0347 EA Up To 1" High, Hand Paint, Per Letter/Number	2.33	
09 91 23 00-0348 EA 1" To 2" High, Hand Paint, Per Letter/Number	2.73	
09 91 23 00-0349 EA 2" To 3" High, Hand Paint, Per Letter/Number	4.14	
09 91 23 00-0350 EA 3" To 4" High, Hand Paint, Per Letter/Number	5.08	
09 91 23 00-0351 EA 4" To 6" High, Hand Paint, Per Letter/Number	7.01	



	Finishes	09
	Painting And Coating	09 90
	Painting	09 91

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0352	EA		6" To 12" High, Hand Paint, Per Letter/Number.....	8.88	
09 91 23 00-0353	EA		Over 12" High, Hand Paint, Per Letter/Number.....	10.42	

09 91 23 00-0354 Glove/Mitt Application (09 91 23)

09 91 23 00-0354 Conduit/Pipe (09 91 23 00-0354)

09 91 23 00-0356	CSF		Acid Wash (Muriatic Acid) Conduit Or Pipe With Glove/Mitt.....	44.24	
09 91 23 00-0357	CSF		Metal Primer Conduit Or Pipe With Glove/Mitt.....	66.35	
09 91 23 00-0358	CSF		Enamel, Oil Base Paint, First Coat Conduit Or Pipe With Glove/Mitt.....	51.26	
09 91 23 00-0359	CSF		Enamel, Oil Base Paint, Second Coat Conduit Or Pipe With Glove/Mitt.....	41.07	
09 91 23 00-0360	CSF		Epoxy Coating, First Coat Conduit Or Pipe With Glove/Mitt.....	73.99	
09 91 23 00-0361	CSF		Epoxy Coating, Second Coat Conduit Or Pipe With Glove/Mitt.....	67.60	

09 91 23 00-0362 Ductwork (09 91 23 00-0362)

09 91 23 00-0363	CSF		Acid Wash (Muriatic Acid) Ductwork With Glove/Mitt.....	44.24	
09 91 23 00-0364	CSF		Metal Primer Ductwork With Glove/Mitt.....	50.74	
09 91 23 00-0365	CSF		Enamel, Oil Base Paint Ductwork With Glove/Mitt.....	46.59	
09 91 23 00-0366	CSF		Epoxy Coating, First Coat Ductwork With Glove/Mitt.....	71.72	
09 91 23 00-0367	CSF		Epoxy Coating, Second Coat Ductwork With Glove/Mitt.....	61.42	

09 91 23 00-0368 Stencil Painting Letters/Numbers (09 91 23)

Note: Painting on walls, floors, poles, etc. Includes stencil cutout and paint.

09 91 23 00-0369	EA	Up To 1" High, Stencil Painting, Per Letter/Number.....	1.88		
		For >200 To 500, Deduct	-0.15		
		For >500 To 1,000, Deduct	-0.24		
		For >1,000 To 2,000, Deduct	-0.30		
		For >2,000, Deduct	-0.38		
09 91 23 00-0370	EA	1" To 2" High, Stencil Painting, Per Letter/Number.....	2.19		
		For >200 To 500, Deduct	-0.18		
		For >500 To 1,000, Deduct	-0.27		
		For >1,000 To 2,000, Deduct	-0.35		
		For >2,000, Deduct	-0.44		
09 91 23 00-0371	EA	2" To 3" High, Stencil Painting, Per Letter/Number.....	3.74		
		For >200 To 500, Deduct	-0.30		
		For >500 To 1,000, Deduct	-0.47		
		For >1,000 To 2,000, Deduct	-0.60		
		For >2,000, Deduct	-0.75		
09 91 23 00-0372	EA	3" To 4" High, Stencil Painting, Per Letter/Number.....	4.58		
		For >200 To 500, Deduct	-0.37		
		For >500 To 1,000, Deduct	-0.57		
		For >1,000 To 2,000, Deduct	-0.73		
		For >2,000, Deduct	-0.92		
09 91 23 00-0373	EA	4" To 6" High, Stencil Painting, Per Letter/Number.....	6.31		
		For >200 To 500, Deduct	-0.50		
		For >500 To 1,000, Deduct	-0.79		
		For >1,000 To 2,000, Deduct	-1.01		
		For >2,000, Deduct	-1.26		
09 91 23 00-0374	EA	6" To 12" High, Stencil Painting, Per Letter/Number.....	8.40		
		For >200 To 500, Deduct	-0.67		
		For >500 To 1,000, Deduct	-1.05		
		For >1,000 To 2,000, Deduct	-1.34		
		For >2,000, Deduct	-1.68		
09 91 23 00-0375	EA	Over 12" High, Stencil Painting, Per Letter/Number.....	9.93		
		For >200 To 500, Deduct	-0.79		
		For >500 To 1,000, Deduct	-1.24		
		For >1,000 To 2,000, Deduct	-1.59		
		For >2,000, Deduct	-1.99		

09 91 23 00-0376 Paint Interior Miscellaneous Metal Surfaces (09 91 23)

09 91 23 00-0377	SF	Paint Interior Miscellaneous Metal Surfaces, 1 Coat Primer, Brush/Roller Work.....	0.68		
		For Electrostatic Painting, Add	0.08		
		For Up To 100, Add	0.47		
		For >100 To 250, Add	0.22		
		For >250 To 500, Add	0.10		
		For >2,500 To 5,000, Deduct	-0.03		
		For >5,000 To 10,000, Deduct	-0.07		
		For >10,000 To 20,000, Deduct	-0.10		
		For >20,000, Deduct	-0.14		
09 91 23 00-0378	SF	Paint Interior Miscellaneous Metal Surfaces, 1 Coat Alkyd Enamel, Brush/Roller Work.....	0.81		
		For Electrostatic Painting, Add	0.09		
		For Up To 100, Add	0.57		
		For >100 To 250, Add	0.27		
		For >250 To 500, Add	0.12		
		For >2,500 To 5,000, Deduct	-0.04		
		For >5,000 To 10,000, Deduct	-0.08		
		For >10,000 To 20,000, Deduct	-0.12		
		For >20,000, Deduct	-0.16		

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

Table listing various painting tasks such as 'Paint Interior Miscellaneous Metal Surfaces, 2 Coats Alkyd Enamel, Brush/Roller Work' with associated costs and descriptions.

09 91 33 Painting Materials (09 91)

Note: Paint per gallon for owners to obtain extra paint. Not to be used in conjunction with other painting tasks.

09 91 33 00-0001 Primer (09 91 33)

Table listing primer products including 'Alkyd Primer/Sealer, Interior, 500 SF Per Gallon' and 'Acrylic Latex Primer, Flat Exterior, Fast Drying Wood Undercoat And Back Primer, 400 SF per Gallon'.

09 91 33 00-0022 Paint (09 91 33)

Table listing various paint products such as 'Aluminum Fiber Roof Coat On Composition Roof, 50 SF Per Gallon' and 'Acrylic Urethane Sealer'.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 33 00-0041	GAL		Zinc Chromate Paint.....	23.46	
09 91 33 00-0042	QT		Anti-Rust Enamel, 500 SF Per Quart.....	9.26	
09 91 33 00-0043	GAL		Rust Inhibitor, Ferrous Metal.....	25.93	
09 91 33 00-0044	GAL		Masonry Waterproofing, 100 SF Per Gallon.....	27.95	
09 91 33 00-0045	GAL		Alkyd Latex, Black.....	17.49	
09 91 33 00-0046	GAL		Alkyd Latex, White.....	17.49	
09 91 33 00-0047	GAL		Alkyd Latex, Colors.....	21.09	
09 91 33 00-0048	QT		Wrought Iron Paint, Black.....	23.66	
09 91 33 00-0049	GAL		Vinyl Paint.....	46.99	
09 91 33 00-0050	GAL		Silicone Alkyd.....	57.12	
09 91 33 00-0051	GAL		2 Component Solvent Based Acrylic Epoxy.....	58.04	
09 91 33 00-0052	GAL		2 Component Solvent Based Polyester Epoxy.....	72.78	
09 91 33 00-0053	GAL		Chlorinated Rubber.....	53.44	
09 91 33 00-0054	GAL		Polyamide Epoxy Sealer.....	55.28	
09 91 33 00-0055	GAL		Coal Tar Epoxy.....	39.62	
09 91 33 00-0056	GAL		Swimming Pool Enamel, 350 SF Per Gallon.....	49.44	
09 91 33 00-0057	GAL		Swimming Pool Epoxy Or Urethane Base.....	64.49	
09 91 33 00-0058	GAL		Swimming Pool Rubber Base.....	44.22	
09 91 33 00-0059	GAL		Interior, Latex Flat Paint, 300 SF Per Gallon.....	28.10	
09 91 33 00-0060	GAL		Interior, Latex Eggshell Or Semi-Gloss Enamel, 300 SF Per Gallon.....	31.48	
09 91 33 00-0061	GAL		Interior, Fire-Retardant Flat Paint, 200 SF Per Gallon.....	57.58	
09 91 33 00-0062	GAL		Interior, Ceiling White Latex Flat, 350 SF Per Gallon.....	19.50	
09 91 33 00-0063	GAL		Linseed Oil.....	17.04	
09 91 33 00-0064	GAL		Latex Floor Paint, 300 SF Per Gallon.....	27.95	
09 91 33 00-0065	GAL		Acrylic Floor Paint, 400 SF Per Gallon.....	31.48	
09 91 33 00-0066	GAL		Texture Paint, Sand Texture Latex, Armor Coat, 100 SF Per Gallon.....	28.79	
09 91 33 00-0067	GAL		Acoustic Spray-On Texture, Finish.....	23.14	
09 91 33 00-0068			Stain, Varnish <small>(09 91 33)</small>		
09 91 33 00-0069	GAL		Thompson Water Sealer, 150 SF Per Gallon.....	15.97	
09 91 33 00-0070	GAL		Latex Redwood Stain, Water Base, 300 SF Per Gallon.....	29.79	
09 91 33 00-0071	GAL		Redwood Oil Stain, 300 SF Per Gallon.....	26.56	
09 91 33 00-0072	GAL		Varnish, Clear.....	19.22	
09 91 33 00-0073	GAL		Penetrating Water-Repellent Stain.....	13.96	
09 91 33 00-0074	GAL		Redwood Hue Or Clear Stain.....	12.48	
09 91 33 00-0075	GAL		Polyurethane.....	21.91	
09 91 33 00-0076	GAL		Lacquer, Semi-Gloss.....	28.03	
09 91 33 00-0077	GAL		Shellac, Clear.....	36.77	
09 91 33 00-0078	GAL		Acetone.....	12.13	
09 91 33 00-0079	GAL		Paint Thinner.....	2.99	
09 91 33 00-0080	GAL		Shellac Or Lacquer Thinner.....	12.28	
09 91 33 00-0081	GAL		Turpentine.....	16.89	
09 91 33 00-0082	GAL		Wood Filler Paste.....	28.87	
09 91 33 00-0083	GAL		Wood Preservative, Pentachlorophenol, General Purpose, 40%, 150 SF Per Gallon.....	23.03	
09 91 33 00-0084	GAL		Waterbased Alkyd Urethane (Sherwin Williams B53W01153).....	57.08	
09 91 43			Surface Preparation <small>(09 91)</small>		
			Note: Steel Structure Painting Council, SSPC; Surface Preparation, SP.		
09 91 43 00-0001			Cleaning And Preparation Of Painted And Unpainted Surfaces <small>(09 91 43)</small>		
			Note: In excess of surface preparation required. Water blast and pressure washing includes mild detergent and rinsing of surface until detergent free. Sand blast and water blast includes canvas/plastic for protection of existing surfaces as well as for containment.		
09 91 43 00-0002			Concrete And Masonry Surfaces, Surface Preparation <small>(09 91 43 00-0001)</small>		
09 91 43 00-0003	SF		Calcimine Removal/Washing, Concrete And Masonry Surfaces, Surface Preparation.....	0.44	
			For Up To 100, Add	0.76	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.10	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.04	
			For >15,000 To 30,000, Deduct	-0.06	
			For >30,000, Deduct	-0.09	
09 91 43 00-0004	SF		Chemical Clean, Brush And Wash, Concrete And Masonry Surfaces, Surface Preparation.....	0.70	
			For Up To 100, Add	1.20	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.15	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.07	
			For >15,000 To 30,000, Deduct	-0.10	
			For >30,000, Deduct	-0.14	
09 91 43 00-0005	SF		Hand Scrape, Concrete And Masonry Surfaces, Surface Preparation.....	0.61	
			For Up To 100, Add	1.22	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.15	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.06	
			For >15,000 To 30,000, Deduct	-0.09	
			For >30,000, Deduct	-0.12	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0006 SF Steam Clean, Concrete And Masonry Surfaces, Surface Preparation.....	0.61	
For Up To 100, Add	1.06	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.13	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.06	
For >15,000 To 30,000, Deduct	-0.09	
For >30,000, Deduct	-0.12	
09 91 43 00-0007 SF Up To 5,000 PSI Pressure Wash, Concrete And Masonry Surfaces, Surface Preparation.....	0.39	
For Up To 100, Add	0.64	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.08	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.04	
For >15,000 To 30,000, Deduct	-0.06	
For >30,000, Deduct	-0.07	
09 91 43 00-0008 SF 10,000 To 12,000 PSI Water Blast, Concrete And Masonry Surfaces, Surface Preparation	1.13	
For Up To 100, Add	2.04	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.26	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 15,000, Deduct	-0.11	
For >15,000 To 30,000, Deduct	-0.17	
For >30,000, Deduct	-0.22	
09 91 43 00-0009 SF 30,000 To 40,000 PSI Water Blast, Concrete And Masonry Surfaces, Surface Preparation	1.90	
For Up To 100, Add	3.58	
For >100 To 250, Add	0.90	
For >250 To 500, Add	0.45	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 15,000, Deduct	-0.19	
For >15,000 To 30,000, Deduct	-0.28	
For >30,000, Deduct	-0.37	
09 91 43 00-0010 SF Sand Blasting, Concrete And Masonry Surfaces, Surface Preparation	2.60	
For Heavy Condition Where Multiple Pass Is Required, Add	1.30	
For Up To 100, Add	4.68	
For >100 To 250, Add	1.17	
For >250 To 500, Add	0.59	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 15,000, Deduct	-0.25	
For >15,000 To 30,000, Deduct	-0.38	
For >30,000, Deduct	-0.51	
09 91 43 00-0011 Drywall (09 91 43 00-0001)		
Note: Patch holes other than nail/screw holes and greater than 1/2" diameter.		
09 91 43 00-0012 SF Hand Wash Drywall Surfaces With Mild Detergent Or Degreaser (No Sanding, Repairing Or Scraping).....	0.35	
For Up To 100, Add	0.70	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.09	
09 91 43 00-0013 SF Hand Wash, Minor Repair And Light Sanding Drywall Surfaces.....	0.61	
For Up To 100, Add	1.22	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.15	
09 91 43 00-0014 SF Scrape, Repair And Sand Severely Damaged Drywall Surfaces.....	1.11	
For Up To 100, Add	2.12	
For >100 To 250, Add	0.53	
For >250 To 500, Add	0.27	
09 91 43 00-0015 Metal Surfaces, Surface Preparation (09 91 43 00-0001)		
09 91 43 00-0016 SF Chemical Clean, Brush And Wash, Metal Surfaces, Surface Preparation	0.70	
For Up To 100, Add	0.45	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.07	
For >15,000 To 30,000, Deduct	-0.10	
For >30,000, Deduct	-0.14	
09 91 43 00-0017 SF Hand Scraping And Sanding, Metal Surfaces, Surface Preparation	0.61	
For Up To 100, Add	0.46	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.06	
For >15,000 To 30,000, Deduct	-0.09	
For >30,000, Deduct	-0.12	
09 91 43 00-0018 SF Up To 5,000 PSI Pressure Wash, Metal Surfaces, Surface Preparation	0.38	
For Up To 100, Add	0.24	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.04	
For >15,000 To 30,000, Deduct	-0.06	
For >30,000, Deduct	-0.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0019 SF Power Tool Cleaning, Metal Surfaces, Surface Preparation.....	1.11	
For Up To 100, Add	0.83	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 15,000, Deduct	-0.11	
For >15,000 To 30,000, Deduct	-0.17	
For >30,000, Deduct	-0.22	
09 91 43 00-0020 SF Steam Cleaning, Metal Surfaces, Surface Preparation.....	0.38	
For Up To 100, Add	0.23	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.03	
For >15,000 To 30,000, Deduct	-0.05	
For >30,000, Deduct	-0.07	
09 91 43 00-0021 SF Loose Mill Scale With Fine Powder, Commercial Blast, Metal Surfaces, Surface Preparation.....	0.83	
For Up To 100, Add	0.54	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 15,000, Deduct	-0.08	
For >15,000 To 30,000, Deduct	-0.12	
For >30,000, Deduct	-0.16	
09 91 43 00-0022 SF Tight Mill Scale With Fine Powder Rust, Commercial Blast, Metal Surfaces, Surface Preparation	1.13	
For Up To 100, Add	0.72	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.14	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 15,000, Deduct	-0.11	
For >15,000 To 30,000, Deduct	-0.16	
For >30,000, Deduct	-0.22	
09 91 43 00-0023 SF Exterior Coating Blistered Pitted, Rust, Commercial Blast, Metal Surfaces, Surface Preparation	1.68	
For Up To 100, Add	1.09	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.22	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 15,000, Deduct	-0.16	
For >15,000 To 30,000, Deduct	-0.25	
For >30,000, Deduct	-0.32	
09 91 43 00-0024 SF Badly Pitted With Rust Nodules, Commercial Blast, Metal Surfaces, Surface Preparation	2.80	
For Up To 100, Add	1.82	
For >100 To 250, Add	0.85	
For >250 To 500, Add	0.36	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 15,000, Deduct	-0.26	
For >15,000 To 30,000, Deduct	-0.41	
For >30,000, Deduct	-0.54	
09 91 43 00-0025 SF Loose Mill Scale With Fine Powder Rust, Near White Blast, Metal Surfaces, Surface Preparation.....	2.12	
For Up To 100, Add	1.36	
For >100 To 250, Add	0.63	
For >250 To 500, Add	0.27	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 15,000, Deduct	-0.20	
For >15,000 To 30,000, Deduct	-0.31	
For >30,000, Deduct	-0.41	
09 91 43 00-0026 SF Tight Mill Scale Little Rust, Near White Blast, Metal Surfaces, Surface Preparation	2.63	
For Up To 100, Add	1.67	
For >100 To 250, Add	0.78	
For >250 To 500, Add	0.33	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 15,000, Deduct	-0.25	
For >15,000 To 30,000, Deduct	-0.38	
For >30,000, Deduct	-0.51	
09 91 43 00-0027 SF Exterior Coat Blistered Pitted Rust, Near White Blast, Metal Surfaces, Surface Preparation.....	3.41	
For Up To 100, Add	2.18	
For >100 To 250, Add	1.02	
For >250 To 500, Add	0.44	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 15,000, Deduct	-0.32	
For >15,000 To 30,000, Deduct	-0.50	
For >30,000, Deduct	-0.66	
09 91 43 00-0028 SF Badly Pitted Rust Nodules, Near White Blast, Metal Surfaces, Surface Preparation.....	4.26	
For Up To 100, Add	2.72	
For >100 To 250, Add	1.27	
For >250 To 500, Add	0.54	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 15,000, Deduct	-0.40	
For >15,000 To 30,000, Deduct	-0.62	
For >30,000, Deduct	-0.82	

09 91 43 00-0029 Tile Surfaces (09 91 43 00-0001)

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0030	CSF		Alkaline Cleaner, Brush And Wash Tile Surface.....	39.97	
			For Up To 100, Add	29.83	
			For >100 To 250, Add	13.92	
			For >250 To 500, Add	5.97	
			For >5,000 To 10,000, Deduct	-1.99	
			For >10,000 To 15,000, Deduct	-3.99	
			For >15,000 To 30,000, Deduct	-5.99	
			For >30,000, Deduct	-7.98	
09 91 43 00-0031	SF		Up To 5,000 PSI, Pressure Wash Tile Surface.....	0.28	
			For Up To 100, Add	0.18	
			For >100 To 250, Add	0.08	
			For >250 To 500, Add	0.04	
			For >5,000 To 10,000, Deduct	-0.01	
			For >10,000 To 15,000, Deduct	-0.03	
			For >15,000 To 30,000, Deduct	-0.04	
			For >30,000, Deduct	-0.05	
09 91 43 00-0032			Wood Surfaces (09 91 43 00-0001)		
09 91 43 00-0033	SF		Prepare New Wood Floor For Finish, Multi Grit Sanding/Screening.....	1.25	
			For Up To 100, Add	0.91	
			For >100 To 250, Add	0.43	
			For >250 To 500, Add	0.18	
			For >4,000, Deduct	-0.06	
			For Up To 100, Add	0.91	
			For >100 To 250, Add	0.42	
			For >250 To 500, Add	0.18	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 15,000, Deduct	-0.12	
			For >15,000 To 30,000, Deduct	-0.19	
			For >30,000, Deduct	-0.25	
09 91 43 00-0034	SF		Chemical Clean, Brush And Wash Wood Surface.....	0.56	
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.05	
			For >15,000 To 30,000, Deduct	-0.08	
			For >30,000, Deduct	-0.11	
09 91 43 00-0035	SF		Hand Scrape Wood Surface.....	0.67	
			For Up To 100, Add	0.50	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.07	
			For >15,000 To 30,000, Deduct	-0.10	
			For >30,000, Deduct	-0.13	
09 91 43 00-0036	SF		Steam Clean Wood Surface.....	0.60	
			For Up To 100, Add	0.39	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.06	
			For >15,000 To 30,000, Deduct	-0.09	
			For >30,000, Deduct	-0.12	
09 91 43 00-0037	SF		Up To 5,000 PSI, Pressure Wash Wood Surface.....	0.42	
			For Up To 100, Add	0.27	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.05	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.04	
			For >15,000 To 30,000, Deduct	-0.06	
			For >30,000, Deduct	-0.08	
09 91 43 00-0038	SF		Sanding Wood Paneling, Boards, Doors, Etcetera.....	0.81	
			For Up To 100, Add	0.58	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 15,000, Deduct	-0.08	
			For >15,000 To 30,000, Deduct	-0.12	
			For >30,000, Deduct	-0.16	
09 91 43 00-0039	SF		Sanding Wood Trim.....	1.10	
			For Up To 100, Add	0.80	
			For >100 To 250, Add	0.37	
			For >250 To 500, Add	0.16	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 15,000, Deduct	-0.11	
			For >15,000 To 30,000, Deduct	-0.16	
			For >30,000, Deduct	-0.22	
09 91 43 00-0040	SF		Prime Wood Surfaces With Linseed Oil, 1 Coat.....	0.70	
			For Up To 100, Add	0.47	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.09	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.07	
			For >15,000 To 30,000, Deduct	-0.10	
			For >30,000, Deduct	-0.14	



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0041 SF Paint Wood Surfaces With Linseed Oil, 1 Coat.....	0.82	
For Up To 100, Add	0.56	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 15,000, Deduct	-0.08	
For >15,000 To 30,000, Deduct	-0.12	
For >30,000, Deduct	-0.16	
09 91 43 00-0042 Vinyl Siding Surfaces (09 91 43 00-0001)		
09 91 43 00-0043 SF Hand Wash, Vinyl Siding Surfaces	0.63	
For Up To 100, Add	0.46	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.06	
For >15,000 To 30,000, Deduct	-0.09	
For >30,000, Deduct	-0.13	
09 91 43 00-0044 SF Up To 5,000 PSI Pressure Wash, Vinyl Siding Surfaces	0.35	
For Up To 100, Add	0.21	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.04	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.03	
For >15,000 To 30,000, Deduct	-0.05	
For >30,000, Deduct	-0.07	
09 91 43 00-0045 SF Steam Clean, Vinyl Siding Surfaces	0.63	
For Up To 100, Add	0.39	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.06	
For >15,000 To 30,000, Deduct	-0.09	
For >30,000, Deduct	-0.12	
09 91 43 00-0046 Prep Work (09 91 43 00-0001)		
09 91 43 00-0047 SF Citrus Strip, Single Applications.....	1.02	
09 91 43 00-0048 Plaster/Stucco (09 91 43 00-0001)		
Note: Based on total project quantity.		
09 91 43 00-0049 SF Up To 5,000 PSI Pressure Wash Stucco Surfaces.....	0.44	
For Up To 100, Add	0.28	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.04	
For >15,000 To 30,000, Deduct	-0.06	
For >30,000, Deduct	-0.08	
09 91 43 00-0050 Paint Removal, Strip To Bare Wood (09 91 43 00-0001)		
09 91 43 00-0051 SF Flat Surfaces, Paint Removal, Strip To Bare Wood.....	7.30	
09 91 43 00-0052 SF Cornices And Decorative Trim To 12" Wide, Paint Removal, Strip To Bare Wood.....	7.78	
09 91 43 00-0053 "Spot" Painting Of Surfaces (09 91 43 00-0001)		
Note: For use on individual areas less than 10 SF.		
09 91 43 00-0054 SF "Spot" Paint Surfaces, Per Coat	1.34	
09 91 43 00-0055 Corrosive Inhibitor Sealant For Concrete (09 91 43 00-0001)		
09 91 43 00-0056 SF Corrosive Inhibitor Sealant For Concrete.....	0.62	
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
09 93 Staining And Transparent Finishing (09 90)		
Note: Includes light sanding or screening between coats.		
09 93 13 Exterior Staining And Finishing (09 93)		
09 93 13 13 Exterior Staining (09 93 13)		
09 93 13 13-0001 Stain Sealer (09 93 13 13)		
Note: Measured by surface area of wall or ceiling.		
09 93 13 13-0002 SF Stain Sealer, Brush Work.....	0.90	
For Ceiling Work, Add	0.12	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.07	

09 Finishes**09 90 Painting And Coating****09 93 Staining And Transparent Finishing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 13 13-0003	SF		Stain Sealer, Brush/Roller Work	0.71	
			<i>For Ceiling Work, Add</i>	0.10	
			<i>For >5,000 To 10,000, Deduct</i>	-0.02	
			<i>For >10,000 To 20,000, Deduct</i>	-0.04	
			<i>For >20,000, Deduct</i>	-0.06	
09 93 13 13-0004	SF		Stain Sealer, Sprayed.....	0.26	
			<i>For Ceiling Work, Add</i>	0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.01	
			<i>For >10,000 To 20,000, Deduct</i>	-0.02	
			<i>For >20,000, Deduct</i>	-0.02	
09 93 23			Interior Staining And Finishing (09 93)		
			Note: VOC compliant in all regulated areas, review specifications for levels.		
09 93 23 53			Interior Finishing (09 93 23)		
09 93 23 53-0001			Concrete Finishes (09 93 23 53)		
09 93 23 53-0002	SF		Finish Concrete Floor, 1 Coat Polyurethane	0.71	
			<i>For Up To 100, Add</i>	0.47	
			<i>For >100 To 250, Add</i>	0.22	
			<i>For >250 To 500, Add</i>	0.10	
			<i>For >4,000, Deduct</i>	-0.04	
09 93 23 53-0003			Wood Trim Finishes (09 93 23 53)		
09 93 23 53-0004	LF		Stain Wood Trim, Up To 6" Wide, 1 Coat Stain, With Brush And Wipe Off.....	1.10	
			<i>For Up To 100, Add</i>	0.80	
			<i>For >100 To 250, Add</i>	0.38	
			<i>For >250 To 500, Add</i>	0.16	
			<i>For >4,000, Deduct</i>	-0.06	
09 93 23 53-0005	SF		Stain Wood Trim, 1 Coat Stain, With Brush And Wipe Off.....	1.62	
			<i>For Up To 100, Add</i>	1.18	
			<i>For >100 To 250, Add</i>	0.55	
			<i>For >250 To 500, Add</i>	0.24	
			<i>For >4,000, Deduct</i>	-0.08	
09 93 23 53-0006	SF		Finish Wood Trim, 1 Coat Sealer And 1 Coat Varnish Or Polyurethane	1.27	
			<i>For Up To 100, Add</i>	0.89	
			<i>For >100 To 250, Add</i>	0.42	
			<i>For >250 To 500, Add</i>	0.18	
			<i>For >4,000, Deduct</i>	-0.06	
09 93 23 53-0007	SF		Finish Wood Trim, 1 Coat Varnish Or Polyurethane	0.87	
			<i>For Up To 100, Add</i>	0.63	
			<i>For >100 To 250, Add</i>	0.29	
			<i>For >250 To 500, Add</i>	0.13	
			<i>For >4,000, Deduct</i>	-0.04	
09 93 23 53-0008			Wood Floor Finishes (09 93 23 53)		
09 93 23 53-0009	SF		Stain Or Varnish Wood Floor, 1 Coat Stain, Brush Work.....	0.46	
			<i>For Up To 100, Add</i>	0.31	
			<i>For >100 To 250, Add</i>	0.15	
			<i>For >250 To 500, Add</i>	0.06	
			<i>For >4,000, Deduct</i>	-0.02	
09 93 23 53-0010	SF		Stain Or Varnish Wood Floor, 1 Coat Stain, Brush/Roller Work	0.34	
			<i>For Up To 100, Add</i>	0.22	
			<i>For >100 To 250, Add</i>	0.10	
			<i>For >250 To 500, Add</i>	0.05	
			<i>For >4,000, Deduct</i>	-0.02	
09 93 23 53-0011	SF		Refinish Wood Floor, 2 Coats Polyurethane	2.63	
			Note: Includes sanding existing floor.		
			<i>For Up To 100, Add</i>	1.91	
			<i>For >100 To 250, Add</i>	0.89	
			<i>For >250 To 500, Add</i>	0.38	
			<i>For >4,000, Deduct</i>	-0.13	
09 93 23 53-0012	SF		Polyurethane Wood Floor, 1 Coat Polyurethane, With Wool Applicator Or Brush Work.....	0.64	
			Note: Includes screening between coats.		
			<i>For Up To 100, Add</i>	0.45	
			<i>For >100 To 250, Add</i>	0.21	
			<i>For >250 To 500, Add</i>	0.09	
			<i>For >4,000, Deduct</i>	-0.03	
09 93 23 53-0013	SF		Refinish Wood Floor, 1 Coat Sealer And 2 Coats Polyurethane.....	2.99	
			Note: Includes sanding existing floor.		
			<i>For Up To 100, Add</i>	2.15	
			<i>For >100 To 250, Add</i>	1.01	
			<i>For >250 To 500, Add</i>	0.43	
			<i>For >4,000, Deduct</i>	-0.15	
09 93 23 53-0014			Wood Door And Window Finishes (09 93 23 53)		
			See CSI section 08 14 16 00-0627 for factory finish.		
09 93 23 53-0015	EA		Stain Wood Door, 1 Coat Stain With Brush And Wipe Off Wood Door (Per Face)	53.36	
			<i>For Up To 4, Add</i>	39.49	
			<i>For >4 To 10, Add</i>	18.45	
			<i>For >10 To 20, Add</i>	7.92	
			<i>For >160, Deduct</i>	-2.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 23 53-0016 EA Stain Wood Window, 1 Coat Stain With Brush And Wipe Off Wood Window And Frame (Per Face).....	37.26	
<i>For Up To 4, Add</i>	27.17	
<i>For >4 To 10, Add</i>	12.72	
<i>For >10 To 20, Add</i>	5.46	
<i>For >160, Deduct</i>	-1.86	
09 93 23 53-0017 EA Varnish Or Polyurethane Wood Door, 1 Coat Shellac (Per Face)	38.55	
<i>For Up To 4, Add</i>	28.45	
<i>For >4 To 10, Add</i>	13.30	
<i>For >10 To 20, Add</i>	5.71	
<i>For >160, Deduct</i>	-1.93	
09 93 23 53-0018 EA Varnish Or Polyurethane Wood Door, 3 Coats Shellac, With Light Sanding Between Coats (Per Face)	115.82	
<i>For Up To 4, Add</i>	84.74	
<i>For >4 To 10, Add</i>	39.65	
<i>For >10 To 20, Add</i>	17.02	
<i>For >160, Deduct</i>	-5.79	
09 93 23 53-0019 Cabinet Finishes <small>(09 93 23 53)</small>		
09 93 23 53-0020 SF Stain Cabinet, 1 Coat Stain With Brush And Wipe.....	1.32	
09 93 23 53-0021 SF Stain Cabinet, 1 Coat Shellac, Varnish Or Polyurethane.....	1.32	
09 93 23 53-0022 Gym, Stage And Dance Floor Finishes <small>(09 93 23 53)</small>		
09 93 23 53-0023 SF Yearly Maintenance Refinish Of Gym, Stage Or Dance Floor	1.64	
Note: Includes screening, one coat of finish and buffing. Excludes repainting of game lines.		
09 93 23 53-0024 SF Finish New Elementary School Wood Gym, Stage Or Dance Floor	3.83	
Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
<i>For Stage Or Dance Floors, Deduct</i>	-0.08	
09 93 23 53-0025 SF Finish New Middle Or Junior School Wood Gym, Stage Or Dance Floor	3.92	
Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
<i>For Stage Or Dance Floors, Deduct</i>	-0.08	
09 93 23 53-0026 SF Finish New High School Wood Gym, Stage Or Dance Floor.....	4.01	
Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
<i>For Stage Or Dance Floors, Deduct</i>	-0.08	
09 93 23 53-0027 SF Refinish Existing Elementary School Wood Gym, Stage Or Dance Floor.....	3.83	
Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
<i>For Stage Or Dance Floors, Deduct</i>	-0.08	
09 93 23 53-0028 SF Refinish Existing Middle Or Junior School Wood Gym, Stage Or Dance Floor.....	3.92	
Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
<i>For Stage Or Dance Floors, Deduct</i>	-0.08	
09 93 23 53-0029 SF Refinish Existing High School Wood Gym, Stage Or Dance Floor	4.01	
Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
<i>For Stage Or Dance Floors, Deduct</i>	-0.08	
09 96 High-Performance Coatings <small>(09 90)</small>		
09 96 23 Graffiti-Resistant Coatings <small>(09 96)</small>		
09 96 23 00-0001 Anti-Graffiti Coating <small>(09 96 23)</small>		
09 96 23 00-0002 SF Sacrificial Anti-Graffiti Coating, Per Coat	1.28	
<i>For Up To 100, Add</i>	0.83	
<i>For >100 To 250, Add</i>	0.39	
<i>For >250 To 500, Add</i>	0.17	
09 96 23 00-0003 SF Permanent (Non-Sacrificial) Anti-Graffiti Coating, Per Coat	1.34	
<i>For Up To 100, Add</i>	0.84	
<i>For >100 To 250, Add</i>	0.40	
<i>For >250 To 500, Add</i>	0.17	
09 96 53 Elastomeric Coatings <small>(09 96)</small>		
09 96 53 00-0001 Elastomeric Painting <small>(09 96 53)</small>		
Note: Per coat.		

09 Finishes**09 90 Painting And Coating****09 96 High-Performance Coatings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0002	SF		Paint, Brush, Elastomeric, Per Coat.....	2.22	
			<i>For Work >20', Add</i>	0.40	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	1.28	
			<i>For >100 To 250, Add</i>	0.62	
			<i>For >250 To 500, Add</i>	0.27	
			<i>For >2,500 To 5,000, Deduct</i>	-0.11	
			<i>For >5,000 To 10,000, Deduct</i>	-0.22	
			<i>For >10,000 To 20,000, Deduct</i>	-0.33	
			<i>For >20,000, Deduct</i>	-0.44	
09 96 53 00-0003	SF		Paint, Roller, Elastomeric, Per Coat.....	1.75	
			<i>For Work >20', Add</i>	0.28	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.93	
			<i>For >100 To 250, Add</i>	0.45	
			<i>For >250 To 500, Add</i>	0.20	
			<i>For >2,500 To 5,000, Deduct</i>	-0.09	
			<i>For >5,000 To 10,000, Deduct</i>	-0.18	
			<i>For >10,000 To 20,000, Deduct</i>	-0.26	
			<i>For >20,000, Deduct</i>	-0.35	
09 96 53 00-0004	SF		Paint, Conventional Spray, Elastomeric, Per Coat.....	1.53	
			<i>For Work >20', Add</i>	0.20	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.70	
			<i>For >100 To 250, Add</i>	0.35	
			<i>For >250 To 500, Add</i>	0.15	
			<i>For >2,500 To 5,000, Deduct</i>	-0.08	
			<i>For >5,000 To 10,000, Deduct</i>	-0.15	
			<i>For >10,000 To 20,000, Deduct</i>	-0.23	
			<i>For >20,000, Deduct</i>	-0.31	
09 96 53 00-0005	SF		Paint, Airless Spray, Elastomeric, Per Coat.....	1.37	
			<i>For Work >20', Add</i>	0.16	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.58	
			<i>For >100 To 250, Add</i>	0.29	
			<i>For >250 To 500, Add</i>	0.13	
			<i>For >2,500 To 5,000, Deduct</i>	-0.07	
			<i>For >5,000 To 10,000, Deduct</i>	-0.14	
			<i>For >10,000 To 20,000, Deduct</i>	-0.21	
			<i>For >20,000, Deduct</i>	-0.27	
09 96 56			Epoxy Coatings (09 96)		
09 96 56 00-0001			High Build Epoxy (09 96 56)		
09 96 56 00-0002	SF		High Build Epoxy - 50 Mil.....	3.00	
09 96 56 00-0003			Laminated Epoxy With Fiberglass (09 96 56)		
09 96 56 00-0004	SF		Laminated Epoxy With Fiberglass.....	5.48	
09 96 66			Aggregate Wall Coatings (09 96)		
09 96 66 00-0001			Troweled On (09 96 66)		
09 96 66 00-0002	SF		Exposed Aggregate - 1/16" To 1/4" - Troweled On.....	3.96	
09 96 66 00-0003	SF		Exposed Aggregate - 1/2" To 5/8" Troweled On.....	7.11	
09 96 66 00-0004	SF		Exposed Aggregate - 1" Troweled On.....	10.56	
09 96 66 00-0005			Sprayed On (09 96 66)		
09 96 66 00-0006	SF		Exposed Aggregate - 1/8" - Sprayed On.....	3.21	
09 97			Special Coatings (09 90)		
09 97 13			Steel Coatings (09 97)		
09 97 13 23			Exterior Steel Coatings (09 97 13)		
09 97 13 23-0001			Surface Preparation For Structural Steel (09 97 13 23)		
			<i>Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.</i>		
09 97 13 23-0002			SSPC SP2 Or 3 Hand Or Power Tool Cleaning Surface Preparation For Structural Steel (09 97 13 23-0001)		
09 97 13 23-0003	SF		Type 1 Structural Steel SP2/3 Hand Or Power Tool Cleaning Surface Preparation.....	1.49	
			<i>For Up To 100, Add</i>	1.12	
			<i>For >100 To 250, Add</i>	0.52	
			<i>For >250 To 500, Add</i>	0.22	
09 97 13 23-0004	SF		Type 2 Structural Steel SP2/3 Hand Or Power Tool Cleaning Surface Preparation.....	1.43	
			<i>For Up To 100, Add</i>	1.07	
			<i>For >100 To 250, Add</i>	0.50	
			<i>For >250 To 500, Add</i>	0.21	



			Finishes	09	
			Painting And Coating	09 90	2
			Special Coatings	09 97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0005	SF		Type 3 Structural Steel SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.43	
			For Up To 100, Add	1.07	
			For >100 To 250, Add	0.50	
			For >250 To 500, Add	0.21	
09 97 13 23-0006	SF		Up To 14" Diameter Pipe SP2/3 Hand Or Power Tool Cleaning Surface Preparation.....	1.94	
			For Up To 100, Add	1.46	
			For >100 To 250, Add	0.68	
			For >250 To 500, Add	0.29	
09 97 13 23-0007 SSSP SP7 Brush Off Blast Cleaning Surface Preparation For Structural Steel					
			<small>(09 97 13 23-0001)</small>		
09 97 13 23-0008	SF		Type 1 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation.....	0.94	
			For Up To 100, Add	0.65	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
09 97 13 23-0009	SF		Type 2 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation.....	0.83	
			For Up To 100, Add	0.57	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
09 97 13 23-0010	SF		Type 3 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation.....	0.82	
			For Up To 100, Add	0.57	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
09 97 13 23-0011	SF		Up To 14" Diameter Pipe SP7 Brush Off Blast Cleaning Surface Preparation	1.16	
			For Up To 100, Add	0.80	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.16	
09 97 13 23-0012 SSSP SP6 Commercial Blast Cleaning Surface Preparation For Structural Steel					
			<small>(09 97 13 23-0001)</small>		
09 97 13 23-0013	SF		Type 1 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation.....	2.40	
			For Up To 100, Add	1.69	
			For >100 To 250, Add	0.79	
			For >250 To 500, Add	0.34	
09 97 13 23-0014	SF		Type 2 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation.....	2.09	
			For Up To 100, Add	1.46	
			For >100 To 250, Add	0.69	
			For >250 To 500, Add	0.30	
09 97 13 23-0015	SF		Type 3 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation.....	1.94	
			For Up To 100, Add	1.35	
			For >100 To 250, Add	0.63	
			For >250 To 500, Add	0.27	
09 97 13 23-0016	SF		Up To 14" Diameter Pipe SP6 Commercial Blast Cleaning Surface Preparation	2.99	
			For Up To 100, Add	2.13	
			For >100 To 250, Add	1.00	
			For >250 To 500, Add	0.43	
09 97 13 23-0017 SSSP SP5 White Metal Blast Cleaning Surface Preparation For Structural Steel					
			<small>(09 97 13 23-0001)</small>		
09 97 13 23-0018	SF		Type 1 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation.....	4.65	
			For Up To 100, Add	3.29	
			For >100 To 250, Add	1.55	
			For >250 To 500, Add	0.66	
09 97 13 23-0019	SF		Type 2 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation.....	4.00	
			For Up To 100, Add	2.81	
			For >100 To 250, Add	1.32	
			For >250 To 500, Add	0.57	
09 97 13 23-0020	SF		Type 3 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation.....	3.67	
			For Up To 100, Add	2.57	
			For >100 To 250, Add	1.21	
			For >250 To 500, Add	0.52	
09 97 13 23-0021	SF		Up To 14" Diameter Pipe SP5 White Metal Blast Cleaning Surface Preparation.....	5.60	
			For Up To 100, Add	4.01	
			For >100 To 250, Add	1.88	
			For >250 To 500, Add	0.81	
09 97 13 23-0022 SSSP SP10 Near White Metal Blast Cleaning Surface Preparation For Structural Steel					
			<small>(09 97 13 23-0001)</small>		
09 97 13 23-0023	SF		Type 1 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	3.47	
			For Up To 100, Add	2.44	
			For >100 To 250, Add	1.15	
			For >250 To 500, Add	0.49	
09 97 13 23-0024	SF		Type 2 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	2.96	
			For Up To 100, Add	2.08	
			For >100 To 250, Add	0.98	
			For >250 To 500, Add	0.42	

09 Finishes**09 90 Painting And Coating****09 97 Special Coatings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0025	SF	Type 3 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	2.80	
		For Up To 100, Add	1.96	
		For >100 To 250, Add	0.92	
		For >250 To 500, Add	0.40	
09 97 13 23-0026	SF	Up To 14" Diameter Pipe SP10 Near White Metal Blast Cleaning Surface Preparation	4.08	
		For Up To 100, Add	2.92	
		For >100 To 250, Add	1.37	
		For >250 To 500, Add	0.59	
09 97 13 23-0027		Protective Coatings For Tanks And Structural Steel <small>(09 97 13 23)</small>		
		Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.		
09 97 13 23-0028		1.5 Mil Prime Coat For Structural Steel <small>(09 97 13 23-0027)</small>		
09 97 13 23-0029	SF	Spray Type 1 Structural Steel 1.5 Mil Prime Coat.....	0.92	
		For Up To 100, Add	0.62	
		For >100 To 250, Add	0.29	
		For >250 To 500, Add	0.13	
09 97 13 23-0030	SF	Spray Type 2 Structural Steel 1.5 Mil Prime Coat.....	0.68	
		For Up To 100, Add	0.46	
		For >100 To 250, Add	0.22	
		For >250 To 500, Add	0.09	
09 97 13 23-0031	SF	Spray Type 3 Structural Steel 1.5 Mil Prime Coat.....	0.60	
		For Up To 100, Add	0.40	
		For >100 To 250, Add	0.19	
		For >250 To 500, Add	0.08	
09 97 13 23-0032	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime Coat	1.10	
		For Up To 100, Add	0.77	
		For >100 To 250, Add	0.36	
		For >250 To 500, Add	0.16	
09 97 13 23-0033	SF	Brush Type 1 Structural Steel 1.5 Mil Prime Coat.....	1.33	
		For Up To 100, Add	0.93	
		For >100 To 250, Add	0.44	
		For >250 To 500, Add	0.19	
09 97 13 23-0034	SF	Brush Type 2 Structural Steel 1.5 Mil Prime Coat.....	0.97	
		For Up To 100, Add	0.67	
		For >100 To 250, Add	0.32	
		For >250 To 500, Add	0.14	
09 97 13 23-0035	SF	Brush Type 3 Structural Steel 1.5 Mil Prime Coat.....	0.86	
		For Up To 100, Add	0.59	
		For >100 To 250, Add	0.28	
		For >250 To 500, Add	0.12	
09 97 13 23-0036	SF	Brush Up To 14" Diameter Pipe 1.5 Mil Prime Coat	1.61	
		For Up To 100, Add	1.15	
		For >100 To 250, Add	0.54	
		For >250 To 500, Add	0.23	
09 97 13 23-0037		1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Structural Steel <small>(09 97 13 23-0027)</small>		
09 97 13 23-0038	SF	Spray Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.69	
		For Up To 100, Add	1.81	
		For >100 To 250, Add	0.86	
		For >250 To 500, Add	0.37	
09 97 13 23-0039	SF	Spray Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.92	
		For Up To 100, Add	1.25	
		For >100 To 250, Add	0.59	
		For >250 To 500, Add	0.26	
09 97 13 23-0040	SF	Spray Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.78	
		For Up To 100, Add	1.15	
		For >100 To 250, Add	0.55	
		For >250 To 500, Add	0.24	
09 97 13 23-0041	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	3.29	
		For Up To 100, Add	2.26	
		For >100 To 250, Add	1.06	
		For >250 To 500, Add	0.46	
09 97 13 23-0042	SF	Spray Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.02	
		For Up To 100, Add	1.36	
		For >100 To 250, Add	0.64	
		For >250 To 500, Add	0.28	
09 97 13 23-0043	SF	Spray Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.44	
		For Up To 100, Add	0.94	
		For >100 To 250, Add	0.45	
		For >250 To 500, Add	0.19	
09 97 13 23-0044	SF	Spray Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.33	
		For Up To 100, Add	0.86	
		For >100 To 250, Add	0.41	
		For >250 To 500, Add	0.18	
09 97 13 23-0045	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	2.46	
		For Up To 100, Add	1.69	
		For >100 To 250, Add	0.80	
		For >250 To 500, Add	0.34	



Finishes	09	99
Painting And Coating	09 90	
Special Coatings	09 97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0046	SF		Brush Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	4.23	
			For Up To 100, Add	2.97	
			For >100 To 250, Add	1.40	
			For >250 To 500, Add	0.60	
09 97 13 23-0047	SF		Brush Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	2.98	
			For Up To 100, Add	2.05	
			For >100 To 250, Add	0.97	
			For >250 To 500, Add	0.42	
09 97 13 23-0048	SF		Brush Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	2.74	
			For Up To 100, Add	1.87	
			For >100 To 250, Add	0.88	
			For >250 To 500, Add	0.38	
09 97 13 23-0049	SF		Brush Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	5.21	
			For Up To 100, Add	3.70	
			For >100 To 250, Add	1.74	
			For >250 To 500, Add	0.75	
09 97 13 23-0050	SF		Brush Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	3.17	
			For Up To 100, Add	2.22	
			For >100 To 250, Add	1.04	
			For >250 To 500, Add	0.45	
09 97 13 23-0051	SF		Brush Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	2.24	
			For Up To 100, Add	1.54	
			For >100 To 250, Add	0.73	
			For >250 To 500, Add	0.31	
09 97 13 23-0052	SF		Brush Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	2.05	
			For Up To 100, Add	1.40	
			For >100 To 250, Add	0.66	
			For >250 To 500, Add	0.28	
09 97 13 23-0053	SF		Brush Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	3.91	
			For Up To 100, Add	2.78	
			For >100 To 250, Add	1.30	
			For >250 To 500, Add	0.56	
09 97 13 23-0054 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Structural Steel (09 97 13 23-0027)					
09 97 13 23-0055	SF		Spray Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.09	
			For Up To 100, Add	1.42	
			For >100 To 250, Add	0.67	
			For >250 To 500, Add	0.29	
09 97 13 23-0056	SF		Spray Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.69	
			For Up To 100, Add	1.14	
			For >100 To 250, Add	0.54	
			For >250 To 500, Add	0.23	
09 97 13 23-0057	SF		Spray Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.55	
			For Up To 100, Add	1.03	
			For >100 To 250, Add	0.49	
			For >250 To 500, Add	0.21	
09 97 13 23-0058	SF		Spray Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	2.61	
			For Up To 100, Add	1.80	
			For >100 To 250, Add	0.85	
			For >250 To 500, Add	0.37	
09 97 13 23-0059	SF		Spray Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.33	
			For Up To 100, Add	0.90	
			For >100 To 250, Add	0.43	
			For >250 To 500, Add	0.18	
09 97 13 23-0060	SF		Spray Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.08	
			For Up To 100, Add	0.73	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
09 97 13 23-0061	SF		Spray Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	0.98	
			For Up To 100, Add	0.65	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.13	
09 97 13 23-0062	SF		Spray Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.66	
			For Up To 100, Add	1.15	
			For >100 To 250, Add	0.54	
			For >250 To 500, Add	0.23	
09 97 13 23-0063	SF		Brush Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.02	
			For Up To 100, Add	2.12	
			For >100 To 250, Add	0.99	
			For >250 To 500, Add	0.43	
09 97 13 23-0064	SF		Brush Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.44	
			For Up To 100, Add	1.70	
			For >100 To 250, Add	0.80	
			For >250 To 500, Add	0.34	
09 97 13 23-0065	SF		Brush Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.22	
			For Up To 100, Add	1.53	
			For >100 To 250, Add	0.72	
			For >250 To 500, Add	0.31	
09 97 13 23-0066	SF		Brush Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	3.81	
			For Up To 100, Add	2.70	
			For >100 To 250, Add	1.27	
			For >250 To 500, Add	0.55	

09 Finishes
09 90 Painting And Coating
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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0067	SF	Brush Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.94	
		<i>For Up To 100, Add</i>	1.36	
		<i>For >100 To 250, Add</i>	0.64	
		<i>For >250 To 500, Add</i>	0.28	
09 97 13 23-0068	SF	Brush Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.56	
		<i>For Up To 100, Add</i>	1.09	
		<i>For >100 To 250, Add</i>	0.51	
		<i>For >250 To 500, Add</i>	0.22	
09 97 13 23-0069	SF	Brush Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.42	
		<i>For Up To 100, Add</i>	0.98	
		<i>For >100 To 250, Add</i>	0.46	
		<i>For >250 To 500, Add</i>	0.20	
09 97 13 23-0070	SF	Brush Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	2.43	
		<i>For Up To 100, Add</i>	1.73	
		<i>For >100 To 250, Add</i>	0.81	
		<i>For >250 To 500, Add</i>	0.35	
09 97 13 23-0071 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Structural Steel <small>(09 97 13 23-0027)</small>				
09 97 13 23-0072	SF	Spray Type 1 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	3.33	
		<i>For Up To 100, Add</i>	2.08	
		<i>For >100 To 250, Add</i>	0.99	
		<i>For >250 To 500, Add</i>	0.43	
09 97 13 23-0073	SF	Spray Type 2 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	2.38	
		<i>For Up To 100, Add</i>	1.41	
		<i>For >100 To 250, Add</i>	0.68	
		<i>For >250 To 500, Add</i>	0.30	
09 97 13 23-0074	SF	Spray Type 3 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	2.09	
		<i>For Up To 100, Add</i>	1.20	
		<i>For >100 To 250, Add</i>	0.58	
		<i>For >250 To 500, Add</i>	0.25	
09 97 13 23-0075	SF	Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	3.79	
		<i>For Up To 100, Add</i>	2.42	
		<i>For >100 To 250, Add</i>	1.15	
		<i>For >250 To 500, Add</i>	0.50	
09 97 13 23-0076	SF	Spray Type 1 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	2.33	
		<i>For Up To 100, Add</i>	1.46	
		<i>For >100 To 250, Add</i>	0.70	
		<i>For >250 To 500, Add</i>	0.30	
09 97 13 23-0077	SF	Spray Type 2 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	1.67	
		<i>For Up To 100, Add</i>	0.99	
		<i>For >100 To 250, Add</i>	0.47	
		<i>For >250 To 500, Add</i>	0.21	
09 97 13 23-0078	SF	Spray Type 3 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	1.47	
		<i>For Up To 100, Add</i>	0.84	
		<i>For >100 To 250, Add</i>	0.40	
		<i>For >250 To 500, Add</i>	0.18	
09 97 13 23-0079	SF	Spray Up To 14" Diameter Pipe Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	2.66	
		<i>For Up To 100, Add</i>	1.70	
		<i>For >100 To 250, Add</i>	0.81	
		<i>For >250 To 500, Add</i>	0.35	
09 97 13 23-0080 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Structural Steel <small>(09 97 13 23-0027)</small>				
09 97 13 23-0081	SF	Spray Type 1 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	3.52	
		<i>For Up To 100, Add</i>	2.11	
		<i>For >100 To 250, Add</i>	1.01	
		<i>For >250 To 500, Add</i>	0.44	
09 97 13 23-0082	SF	Spray Type 2 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	2.56	
		<i>For Up To 100, Add</i>	1.44	
		<i>For >100 To 250, Add</i>	0.70	
		<i>For >250 To 500, Add</i>	0.30	
09 97 13 23-0083	SF	Spray Type 3 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	2.27	
		<i>For Up To 100, Add</i>	1.22	
		<i>For >100 To 250, Add</i>	0.59	
		<i>For >250 To 500, Add</i>	0.26	
09 97 13 23-0084	SF	Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	3.99	
		<i>For Up To 100, Add</i>	2.45	
		<i>For >100 To 250, Add</i>	1.17	
		<i>For >250 To 500, Add</i>	0.51	
09 97 13 23-0085	SF	Spray Type 1 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	2.89	
		<i>For Up To 100, Add</i>	1.74	
		<i>For >100 To 250, Add</i>	0.83	
		<i>For >250 To 500, Add</i>	0.36	
09 97 13 23-0086	SF	Spray Type 2 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	2.11	
		<i>For Up To 100, Add</i>	1.19	
		<i>For >100 To 250, Add</i>	0.57	
		<i>For >250 To 500, Add</i>	0.25	
09 97 13 23-0087	SF	Spray Type 3 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	1.86	
		<i>For Up To 100, Add</i>	1.00	
		<i>For >100 To 250, Add</i>	0.49	
		<i>For >250 To 500, Add</i>	0.21	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0088 SF Spray Up To 14" Diameter Pipe Two 6 Mil High Build Epoxy Finish Coats	3.28	
<i>For Up To 100, Add</i>	2.01	
<i>For >100 To 250, Add</i>	0.96	
<i>For >250 To 500, Add</i>	0.42	
09 97 13 23-0089 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Structural Steel <small>(09 97 13 23-0027)</small>		
09 97 13 23-0090 SF Spray Type 1 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	7.43	
<i>For Up To 100, Add</i>	4.55	
<i>For >100 To 250, Add</i>	2.18	
<i>For >250 To 500, Add</i>	0.94	
09 97 13 23-0091 SF Spray Type 2 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	5.56	
<i>For Up To 100, Add</i>	3.26	
<i>For >100 To 250, Add</i>	1.57	
<i>For >250 To 500, Add</i>	0.68	
09 97 13 23-0092 SF Spray Type 3 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	5.33	
<i>For Up To 100, Add</i>	3.09	
<i>For >100 To 250, Add</i>	1.49	
<i>For >250 To 500, Add</i>	0.65	
09 97 13 23-0093 SF Spray Up To 14" Diameter Pipe 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	8.71	
<i>For Up To 100, Add</i>	5.49	
<i>For >100 To 250, Add</i>	2.62	
<i>For >250 To 500, Add</i>	1.13	
09 97 13 23-0094 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Structural Steel <small>(09 97 13 23-0027)</small>		
09 97 13 23-0095 SF Spray Type 1 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	3.83	
<i>For Up To 100, Add</i>	2.20	
<i>For >100 To 250, Add</i>	1.06	
<i>For >250 To 500, Add</i>	0.46	
09 97 13 23-0096 SF Spray Type 2 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	2.95	
<i>For Up To 100, Add</i>	1.55	
<i>For >100 To 250, Add</i>	0.76	
<i>For >250 To 500, Add</i>	0.33	
09 97 13 23-0097 SF Spray Type 3 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	2.80	
<i>For Up To 100, Add</i>	1.43	
<i>For >100 To 250, Add</i>	0.70	
<i>For >250 To 500, Add</i>	0.31	
09 97 13 23-0098 SF Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	4.39	
<i>For Up To 100, Add</i>	2.60	
<i>For >100 To 250, Add</i>	1.25	
<i>For >250 To 500, Add</i>	0.54	
09 97 13 23-0099 SF Spray Type 1 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	3.03	
<i>For Up To 100, Add</i>	1.74	
<i>For >100 To 250, Add</i>	0.84	
<i>For >250 To 500, Add</i>	0.37	
09 97 13 23-0100 SF Spray Type 2 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	2.33	
<i>For Up To 100, Add</i>	1.22	
<i>For >100 To 250, Add</i>	0.60	
<i>For >250 To 500, Add</i>	0.26	
09 97 13 23-0101 SF Spray Type 3 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	2.22	
<i>For Up To 100, Add</i>	1.14	
<i>For >100 To 250, Add</i>	0.56	
<i>For >250 To 500, Add</i>	0.25	
09 97 13 23-0102 SF Spray Up To 14" Diameter Pipe Two 4 Mil High Build Vinyl Finish Coats.....	3.46	
<i>For Up To 100, Add</i>	2.05	
<i>For >100 To 250, Add</i>	0.98	
<i>For >250 To 500, Add</i>	0.43	
09 97 13 23-0103 Two 8 Mil Coal Tar Epoxy Coats For Structural Steel <small>(09 97 13 23-0027)</small>		
09 97 13 23-0104 SF Spray Type 1 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	3.35	
<i>For Up To 100, Add</i>	2.13	
<i>For >100 To 250, Add</i>	1.01	
<i>For >250 To 500, Add</i>	0.44	
09 97 13 23-0105 SF Spray Type 2 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	2.71	
<i>For Up To 100, Add</i>	1.68	
<i>For >100 To 250, Add</i>	0.80	
<i>For >250 To 500, Add</i>	0.35	
09 97 13 23-0106 SF Spray Type 3 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	2.49	
<i>For Up To 100, Add</i>	1.52	
<i>For >100 To 250, Add</i>	0.73	
<i>For >250 To 500, Add</i>	0.32	
09 97 13 23-0107 SF Spray Up To 14" Diameter Pipe Two 8 Mil Coal Tar Epoxy Coats.....	4.19	
<i>For Up To 100, Add</i>	2.75	
<i>For >100 To 250, Add</i>	1.30	
<i>For >250 To 500, Add</i>	0.56	
09 97 13 23-0108 One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Structural Steel <small>(09 97 13 23-0027)</small>		

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MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
09 97 13 23-0109	SF	Spray Type 1 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	3.27		
		<i>For Up To 100, Add</i>	2.16		
		<i>For >100 To 250, Add</i>	1.02		
		<i>For >250 To 500, Add</i>	0.44		
09 97 13 23-0110	SF	Spray Type 2 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	2.29		
		<i>For Up To 100, Add</i>	1.45		
		<i>For >100 To 250, Add</i>	0.69		
		<i>For >250 To 500, Add</i>	0.30		
09 97 13 23-0111	SF	Spray Type 3 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	1.92		
		<i>For Up To 100, Add</i>	1.17		
		<i>For >100 To 250, Add</i>	0.56		
		<i>For >250 To 500, Add</i>	0.24		
09 97 13 23-0112	SF	Spray Up To 14" Diameter Pipe One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	3.74		
		<i>For Up To 100, Add</i>	2.50		
		<i>For >100 To 250, Add</i>	1.18		
		<i>For >250 To 500, Add</i>	0.51		
09 97 13 23-0113 One 3 Mil High Zinc Silicate Coat For Structural Steel <small>(09 97 13 23-0027)</small>					
09 97 13 23-0114	SF	Spray Type 1 Structural Steel One 3 Mil High Zinc Silicate Coat.....	1.67		
		<i>For Up To 100, Add</i>	0.95		
		<i>For >100 To 250, Add</i>	0.46		
		<i>For >250 To 500, Add</i>	0.20		
09 97 13 23-0115	SF	Spray Type 2 Structural Steel One 3 Mil High Zinc Silicate Coat.....	1.19		
		<i>For Up To 100, Add</i>	0.62		
		<i>For >100 To 250, Add</i>	0.30		
		<i>For >250 To 500, Add</i>	0.13		
09 97 13 23-0116	SF	Spray Type 3 Structural Steel One 3 Mil High Zinc Silicate Coat.....	1.12		
		<i>For Up To 100, Add</i>	0.56		
		<i>For >100 To 250, Add</i>	0.28		
		<i>For >250 To 500, Add</i>	0.12		
09 97 13 23-0117	SF	Spray Up To 14" Diameter Pipe One 3 Mil High Zinc Silicate Coat.....	1.76		
		<i>For Up To 100, Add</i>	1.01		
		<i>For >100 To 250, Add</i>	0.49		
		<i>For >250 To 500, Add</i>	0.21		
09 97 13 23-0118 Two 1.5 Mil Vinyl Enamel Finish Coats For Structural Steel <small>(09 97 13 23-0027)</small>					
Note: Installed over existing primer.					
09 97 13 23-0119	SF	Spray Type 1 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats.....	2.65		
		<i>For Up To 100, Add</i>	1.63		
		<i>For >100 To 250, Add</i>	0.78		
		<i>For >250 To 500, Add</i>	0.34		
09 97 13 23-0120	SF	Spray Type 2 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats.....	2.14		
		<i>For Up To 100, Add</i>	1.29		
		<i>For >100 To 250, Add</i>	0.62		
		<i>For >250 To 500, Add</i>	0.27		
09 97 13 23-0121	SF	Spray Type 3 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats.....	1.86		
		<i>For Up To 100, Add</i>	1.08		
		<i>For >100 To 250, Add</i>	0.52		
		<i>For >250 To 500, Add</i>	0.23		
09 97 13 23-0122	SF	Spray Up To 14" Diameter Pipe Two 1.5 Mil Vinyl Enamel Finish Coats.....	3.10		
		<i>For Up To 100, Add</i>	1.97		
		<i>For >100 To 250, Add</i>	0.94		
		<i>For >250 To 500, Add</i>	0.41		
09 97 13 24 Steel Water Storage Tank Painting <small>(09 97 13)</small>					
09 97 13 24-0001		Surface Preparation For Tanks <small>(09 97 13 24)</small>			
Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.					
09 97 13 24-0002		SSPC SP2 Or 3 Hand Or Power Tool Cleaning Surface Preparation For Tanks <small>(09 97 13 24-0001)</small>			
09 97 13 24-0003	SF	Small Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation.....	1.43		
		<i>For Up To 100, Add</i>	1.07		
		<i>For >100 To 250, Add</i>	0.50		
		<i>For >250 To 500, Add</i>	0.21		
09 97 13 24-0004	SF	Large Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation.....	1.26		
		<i>For Up To 100, Add</i>	0.95		
		<i>For >100 To 250, Add</i>	0.44		
		<i>For >250 To 500, Add</i>	0.19		
09 97 13 24-0005	SF	Vessel/Tank Interior SP2/3 Hand Or Power Tool Cleaning Surface Preparation.....	1.79		
		<i>For Up To 100, Add</i>	1.34		
		<i>For >100 To 250, Add</i>	0.63		
		<i>For >250 To 500, Add</i>	0.27		
09 97 13 24-0006		SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Tanks <small>(09 97 13 24-0001)</small>			



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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0007	SF		Small Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation 0.78 <i>For Up To 100, Add</i> 0.54 <i>For >100 To 250, Add</i> 0.25 <i>For >250 To 500, Add</i> 0.11		
09 97 13 24-0008	SF		Large Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation 0.64 <i>For Up To 100, Add</i> 0.44 <i>For >100 To 250, Add</i> 0.21 <i>For >250 To 500, Add</i> 0.09		
09 97 13 24-0009	SF		Vessel/Tank Interior SP7 Brush Off Blast Cleaning Surface Preparation 1.10 <i>For Up To 100, Add</i> 0.79 <i>For >100 To 250, Add</i> 0.37 <i>For >250 To 500, Add</i> 0.16		
09 97 13 24-0010			SSPC SP6 Commercial Blast Cleaning Surface Preparation For Tanks <small>(09 97 13 24-0001)</small>		
09 97 13 24-0011	SF		Small Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation 1.94 <i>For Up To 100, Add</i> 1.35 <i>For >100 To 250, Add</i> 0.63 <i>For >250 To 500, Add</i> 0.27		
09 97 13 24-0012	SF		Large Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation 1.79 <i>For Up To 100, Add</i> 1.23 <i>For >100 To 250, Add</i> 0.58 <i>For >250 To 500, Add</i> 0.25		
09 97 13 24-0013	SF		Vessel/Tank Interior SP6 Commercial Blast Cleaning Surface Preparation 2.58 <i>For Up To 100, Add</i> 1.83 <i>For >100 To 250, Add</i> 0.86 <i>For >250 To 500, Add</i> 0.37		
09 97 13 24-0014			SSPC SP5 White Metal Blast Cleaning Surface Preparation For Tanks <small>(09 97 13 24-0001)</small>		
09 97 13 24-0015	SF		Small Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation 3.50 <i>For Up To 100, Add</i> 2.45 <i>For >100 To 250, Add</i> 1.15 <i>For >250 To 500, Add</i> 0.50		
09 97 13 24-0016	SF		Large Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation 3.34 <i>For Up To 100, Add</i> 2.33 <i>For >100 To 250, Add</i> 1.09 <i>For >250 To 500, Add</i> 0.47		
09 97 13 24-0017	SF		Vessel/Tank Interior SP5 White Metal Blast Cleaning Surface Preparation 4.87 <i>For Up To 100, Add</i> 3.47 <i>For >100 To 250, Add</i> 1.63 <i>For >250 To 500, Add</i> 0.70		
09 97 13 24-0018			SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Tanks <small>(09 97 13 24-0001)</small>		
09 97 13 24-0019	SF		Small Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation 2.80 <i>For Up To 100, Add</i> 1.96 <i>For >100 To 250, Add</i> 0.92 <i>For >250 To 500, Add</i> 0.40		
09 97 13 24-0020	SF		Large Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation 2.80 <i>For Up To 100, Add</i> 1.96 <i>For >100 To 250, Add</i> 0.92 <i>For >250 To 500, Add</i> 0.40		
09 97 13 24-0021	SF		Vessel/Tank Interior SP10 Near White Metal Blast Cleaning Surface Preparation 4.08 <i>For Up To 100, Add</i> 2.92 <i>For >100 To 250, Add</i> 1.37 <i>For >250 To 500, Add</i> 0.59		
09 97 13 24-0022			Protective Coatings For Tanks <small>(09 97 13 24)</small> Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.		
09 97 13 24-0023			1.5 Mil Prime Coat For Tanks <small>(09 97 13 24-0022)</small>		
09 97 13 24-0024	SF		Spray Small Vessel/Tank 1.5 Mil Prime Coat 0.53 <i>For Up To 100, Add</i> 0.34 <i>For >100 To 250, Add</i> 0.16 <i>For >250 To 500, Add</i> 0.07		
09 97 13 24-0025	SF		Spray Large Vessel/Tank 1.5 Mil Prime Coat 0.43 <i>For Up To 100, Add</i> 0.27 <i>For >100 To 250, Add</i> 0.13 <i>For >250 To 500, Add</i> 0.06		
09 97 13 24-0026	SF		Spray Tank Interior 1.5 Mil Prime Coat 1.05 <i>For Up To 100, Add</i> 0.73 <i>For >100 To 250, Add</i> 0.35 <i>For >250 To 500, Add</i> 0.15		
09 97 13 24-0027	SF		Brush Small Vessel/Tank 1.5 Mil Prime Coat 0.75 <i>For Up To 100, Add</i> 0.51 <i>For >100 To 250, Add</i> 0.24 <i>For >250 To 500, Add</i> 0.10		

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0028 SF Brush Large Vessel/Tank 1.5 Mil Prime Coat	0.60	
For Up To 100, Add	0.40	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
09 97 13 24-0029 SF Brush Tank Interior 1.5 Mil Prime Coat	1.53	
For Up To 100, Add	1.09	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.22	
09 97 13 24-0030 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Tanks (09 97 13 24-0022)		
09 97 13 24-0031 SF Spray Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	1.54	
For Up To 100, Add	0.98	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.20	
09 97 13 24-0032 SF Spray Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	1.18	
For Up To 100, Add	0.71	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
09 97 13 24-0033 SF Spray Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.94	
For Up To 100, Add	2.03	
For >100 To 250, Add	0.95	
For >250 To 500, Add	0.41	
09 97 13 24-0034 SF Spray Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.16	
For Up To 100, Add	0.74	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
09 97 13 24-0035 SF Spray Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	0.88	
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
09 97 13 24-0036 SF Spray Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.20	
For Up To 100, Add	1.52	
For >100 To 250, Add	0.72	
For >250 To 500, Add	0.31	
09 97 13 24-0037 SF Brush Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	2.37	
For Up To 100, Add	1.60	
For >100 To 250, Add	0.75	
For >250 To 500, Add	0.33	
09 97 13 24-0038 SF Brush Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	1.76	
For Up To 100, Add	1.14	
For >100 To 250, Add	0.54	
For >250 To 500, Add	0.23	
09 97 13 24-0039 SF Brush Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	4.67	
For Up To 100, Add	3.32	
For >100 To 250, Add	1.56	
For >250 To 500, Add	0.67	
09 97 13 24-0040 SF Brush Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.77	
For Up To 100, Add	1.20	
For >100 To 250, Add	0.56	
For >250 To 500, Add	0.24	
09 97 13 24-0041 SF Brush Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.31	
For Up To 100, Add	0.85	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.17	
09 97 13 24-0042 SF Brush Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.51	
For Up To 100, Add	2.50	
For >100 To 250, Add	1.17	
For >250 To 500, Add	0.50	
09 97 13 24-0043 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Tanks (09 97 13 24-0022)		
09 97 13 24-0044 SF Spray Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	1.39	
For Up To 100, Add	0.91	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.19	
09 97 13 24-0045 SF Spray Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	1.18	
For Up To 100, Add	0.75	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
09 97 13 24-0046 SF Spray Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	3.09	
For Up To 100, Add	2.19	
For >100 To 250, Add	1.03	
For >250 To 500, Add	0.44	
09 97 13 24-0047 SF Spray Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	0.89	
For Up To 100, Add	0.58	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
09 97 13 24-0048 SF Spray Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	0.75	
For Up To 100, Add	0.48	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	



Finishes	09	09
Painting And Coating	09 90	
Special Coatings	09 97	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0049 SF Spray Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats	1.97	
For Up To 100, Add	1.39	
For >100 To 250, Add	0.65	
For >250 To 500, Add	0.28	
09 97 13 24-0050 SF Brush Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.00	
For Up To 100, Add	1.37	
For >100 To 250, Add	0.65	
For >250 To 500, Add	0.28	
09 97 13 24-0051 SF Brush Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.66	
For Up To 100, Add	1.11	
For >100 To 250, Add	0.53	
For >250 To 500, Add	0.23	
09 97 13 24-0052 SF Brush Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats	4.88	
For Up To 100, Add	3.58	
For >100 To 250, Add	1.67	
For >250 To 500, Add	0.72	
09 97 13 24-0053 SF Brush Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.28	
For Up To 100, Add	0.88	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.18	
09 97 13 24-0054 SF Brush Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.06	
For Up To 100, Add	0.71	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
09 97 13 24-0055 SF Brush Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats	3.17	
For Up To 100, Add	2.29	
For >100 To 250, Add	1.07	
For >250 To 500, Add	0.46	
09 97 13 24-0056 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Tanks <small>(09 97 13 24-0022)</small>		
09 97 13 24-0057 SF Spray Small Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.94	
For Up To 100, Add	1.09	
For >100 To 250, Add	0.53	
For >250 To 500, Add	0.23	
09 97 13 24-0058 SF Spray Large Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.64	
For Up To 100, Add	0.86	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.19	
09 97 13 24-0059 SF Spray Small Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.35	
For Up To 100, Add	0.76	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
09 97 13 24-0060 SF Spray Large Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.14	
For Up To 100, Add	0.60	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
09 97 13 24-0061 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Tanks <small>(09 97 13 24-0022)</small>		
09 97 13 24-0062 SF Spray Small Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	2.11	
For Up To 100, Add	1.11	
For >100 To 250, Add	0.54	
For >250 To 500, Add	0.24	
09 97 13 24-0063 SF Spray Large Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	1.81	
For Up To 100, Add	0.89	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
09 97 13 24-0064 SF Spray Small Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats	1.72	
For Up To 100, Add	0.91	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
09 97 13 24-0065 SF Spray Large Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats	1.48	
For Up To 100, Add	0.73	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
09 97 13 24-0066 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Tanks <small>(09 97 13 24-0022)</small>		
09 97 13 24-0067 SF Spray Small Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	5.14	
For Up To 100, Add	2.97	
For >100 To 250, Add	1.43	
For >250 To 500, Add	0.62	
09 97 13 24-0068 SF Spray Large Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	4.70	
For Up To 100, Add	2.64	
For >100 To 250, Add	1.28	
For >250 To 500, Add	0.56	
09 97 13 24-0069 SF Spray Tank Interior 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	8.08	
For Up To 100, Add	5.18	
For >100 To 250, Add	2.46	
For >250 To 500, Add	1.07	

09 Finishes**09 90 Painting And Coating**

09 97 Special Coatings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0070			1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Tanks <small>(09 97 13 24-0022)</small>		
09 97 13 24-0071	SF		Spray Small Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	2.63	
			<i>For Up To 100, Add</i>	1.38	
			<i>For >100 To 250, Add</i>	0.67	
			<i>For >250 To 500, Add</i>	0.30	
09 97 13 24-0072	SF		Spray Large Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	2.32	
			<i>For Up To 100, Add</i>	1.15	
			<i>For >100 To 250, Add</i>	0.56	
			<i>For >250 To 500, Add</i>	0.25	
09 97 13 24-0073	SF		Spray Tank Interior 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	4.07	
			<i>For Up To 100, Add</i>	2.46	
			<i>For >100 To 250, Add</i>	1.18	
			<i>For >250 To 500, Add</i>	0.51	
09 97 13 24-0074	SF		Spray Small Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats.....	2.08	
			<i>For Up To 100, Add</i>	1.09	
			<i>For >100 To 250, Add</i>	0.53	
			<i>For >250 To 500, Add</i>	0.23	
09 97 13 24-0075	SF		Spray Large Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats.....	1.83	
			<i>For Up To 100, Add</i>	0.90	
			<i>For >100 To 250, Add</i>	0.45	
			<i>For >250 To 500, Add</i>	0.20	
09 97 13 24-0076	SF		Spray Tank Interior Two 4 Mil High Build Vinyl Finish Coats	3.22	
			<i>For Up To 100, Add</i>	1.95	
			<i>For >100 To 250, Add</i>	0.93	
			<i>For >250 To 500, Add</i>	0.41	
09 97 13 24-0077			Two 8 Mil Coal Tar Epoxy Coats For Tanks <small>(09 97 13 24-0022)</small>		
09 97 13 24-0078	SF		Spray Small Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats.....	2.47	
			<i>For Up To 100, Add</i>	1.52	
			<i>For >100 To 250, Add</i>	0.72	
			<i>For >250 To 500, Add</i>	0.31	
09 97 13 24-0079	SF		Spray Large Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats	2.03	
			<i>For Up To 100, Add</i>	1.19	
			<i>For >100 To 250, Add</i>	0.57	
			<i>For >250 To 500, Add</i>	0.25	
09 97 13 24-0080	SF		Spray Tank Interior Two 8 Mil Coal Tar Epoxy Coats	3.20	
			<i>For Up To 100, Add</i>	2.06	
			<i>For >100 To 250, Add</i>	0.98	
			<i>For >250 To 500, Add</i>	0.42	
09 97 13 24-0081			One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Tanks <small>(09 97 13 24-0022)</small>		
09 97 13 24-0082	SF		Spray Small Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	1.68	
			<i>For Up To 100, Add</i>	1.00	
			<i>For >100 To 250, Add</i>	0.48	
			<i>For >250 To 500, Add</i>	0.21	
09 97 13 24-0083	SF		Spray Large Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	1.54	
			<i>For Up To 100, Add</i>	0.89	
			<i>For >100 To 250, Add</i>	0.43	
			<i>For >250 To 500, Add</i>	0.19	
09 97 13 24-0084	SF		Spray Tank Interior One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	2.64	
			<i>For Up To 100, Add</i>	1.72	
			<i>For >100 To 250, Add</i>	0.81	
			<i>For >250 To 500, Add</i>	0.35	
09 97 13 24-0085			Two 6 Mil High Build Epoxy Finish Coats For Tanks Interior <small>(09 97 13 24-0022)</small>		
09 97 13 24-0086	SF		Spray Small Tank Interior Two 6 Mil High Build Epoxy Finish Coats	3.76	
			<i>For Up To 100, Add</i>	2.33	
			<i>For >100 To 250, Add</i>	1.11	
			<i>For >250 To 500, Add</i>	0.48	
09 97 13 24-0087	SF		Spray Large Tank Interior Two 6 Mil High Build Epoxy Finish Coats	2.22	
			<i>For Up To 100, Add</i>	1.22	
			<i>For >100 To 250, Add</i>	0.59	
			<i>For >250 To 500, Add</i>	0.26	
09 97 13 24-0088			One 3 Mil High Zinc Silicate Coat For Tanks <small>(09 97 13 24-0022)</small>		
09 97 13 24-0089	SF		Spray Small Vessel/Tank One 3 Mil High Zinc Silicate Coat	1.03	
			<i>For Up To 100, Add</i>	0.51	
			<i>For >100 To 250, Add</i>	0.25	
			<i>For >250 To 500, Add</i>	0.11	
09 97 13 24-0090	SF		Spray Large Vessel/Tank One 3 Mil High Zinc Silicate Coat	1.00	
			<i>For Up To 100, Add</i>	0.49	
			<i>For >100 To 250, Add</i>	0.24	
			<i>For >250 To 500, Add</i>	0.11	



Finishes	09	9
Painting And Coating	09 90	
Special Coatings	09 97	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0091 SF Spray Tank Interior One 3 Mil High Zinc Silicate Coat.....	1.68	
<i>For Up To 100, Add</i>	<i>1.00</i>	
<i>For >100 To 250, Add</i>	<i>0.48</i>	
<i>For >250 To 500, Add</i>	<i>0.21</i>	
09 97 13 24-0092 Two 1.5 Mil Vinyl Enamel Finish Coats For Tanks <small>(09 97 13 24-0022)</small>		
<small>Note: Installed over existing primer.</small>		
09 97 13 24-0093 SF Spray Small Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats.....	1.75	
<i>For Up To 100, Add</i>	<i>1.01</i>	
<i>For >100 To 250, Add</i>	<i>0.49</i>	
<i>For >250 To 500, Add</i>	<i>0.21</i>	
09 97 13 24-0094 SF Spray Large Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats.....	1.54	
<i>For Up To 100, Add</i>	<i>0.85</i>	
<i>For >100 To 250, Add</i>	<i>0.41</i>	
<i>For >250 To 500, Add</i>	<i>0.18</i>	
09 97 13 24-0095 SF Spray Tank Interior Two 1.5 Mil Vinyl Enamel Finish Coats	2.49	
<i>For Up To 100, Add</i>	<i>1.56</i>	
<i>For >100 To 250, Add</i>	<i>0.74</i>	
<i>For >250 To 500, Add</i>	<i>0.32</i>	
09 97 13 24-0096 One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat For Tanks <small>(09 97 13 24-0022)</small>		
09 97 13 24-0097 SF Spray/Mop Large Vessel/Tank One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat.....	6.63	
<i>For Up To 100, Add</i>	<i>4.34</i>	
<i>For >100 To 250, Add</i>	<i>2.06</i>	
<i>For >250 To 500, Add</i>	<i>0.89</i>	
09 97 26 Cementitious Coatings <small>(09 97)</small>		
09 97 26 13 Interior Cementitious Coatings <small>(09 97 26)</small>		
09 97 26 13-0001 Ceramic-Like Glazed Coating <small>(09 97 26 13)</small>		
09 97 26 13-0002 Ceramic-Like Glazed Coating, Cementitious <small>(09 97 26 13-0001)</small>		
09 97 26 13-0003 SF Ceramic-like Glazed Coating. - Cementitious	2.56	
09 97 26 13-0004 Ceramic-Like Glazed Coating, Resin Base <small>(09 97 26 13-0001)</small>		
09 97 26 13-0005 SF Ceramic-like Glazed Coating - Resin.....	2.16	
09 97 35 Dry Erase Coatings <small>(09 97)</small>		
09 97 35 00-0001 Dry-Erase Paint <small>(09 97 35)</small>		
09 97 35 00-0002 Dry-Erase Paint (IdeaPaint™ PRO) <small>(09 97 35 00-0001)</small>		
09 97 35 00-0003 SF Dry-Erase Paint (IdeaPaint™ PRO), Applied With Roller	8.35	
<small>Note: Includes two coats of primer and white, white sand, light beige or light gray surface.</small>		
09 97 35 00-0004 Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE) <small>(09 97 35 00-0001)</small>		
09 97 35 00-0005 SF Clear, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller.....	4.40	
<small>Note: For application over existing latex-based top coats.</small>		
09 97 35 00-0006 SF Black Or White, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller	8.84	
<small>Note: Includes two coats of primer and white or black surface coat.</small>		
09 97 63 Special Coatings and Protection Systems <small>(09 97)</small>		
09 97 63 00-0001 Acrylic Glazed Coating <small>(09 97 63)</small>		
09 97 63 00-0002 SF Acrylic Glazed Coating	1.68	

END OF SECTION 09

09	09	Finishes
	09 90	Painting And Coating
	09 97	Special Coatings



MINOR	TOTAL DIRECT
CSI UOM DESCRIPTION	UNIT COST DEMOLITION
	UNIT COST

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Specialties	10
Operation And Maintenance Of Specialties	10 01
Operation And Maintenance Of Safety Specialties	10 01 40

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 Specialties

10 01 Operation And Maintenance Of Specialties ⁽¹⁰⁾

10 01 40 Operation And Maintenance Of Safety Specialties ^(10 01)

10 01 40 00-0001			Recharge Existing Portable Fire Extinguishers ^(10 01 40)		
			Note: Includes removal, filling, testing, certification and reinstallation.		
10 01 40 00-0002			Recharge Carbon Dioxide, Class BC Portable Fire Extinguishers ^(10 01 40 00-0001)		
10 01 40 00-0003	EA		Recharge 2.5 LB Carbon Dioxide Portable Fire Extinguisher	9.89	
10 01 40 00-0004	EA		Recharge 5 LB Carbon Dioxide Portable Fire Extinguisher	10.99	
10 01 40 00-0005	EA		Recharge 10 LB Carbon Dioxide Portable Fire Extinguisher	11.43	
10 01 40 00-0006	EA		Recharge 15 LB Carbon Dioxide Portable Fire Extinguisher	12.93	
10 01 40 00-0007	EA		Recharge 20 LB Carbon Dioxide Portable Fire Extinguisher	14.94	
10 01 40 00-0008			Recharge Dry Chemical, Class ABC Portable Fire Extinguishers ^(10 01 40 00-0001)		
10 01 40 00-0009	EA		Recharge 2.5 LB Dry Chemical Portable Fire Extinguisher	11.93	
10 01 40 00-0010	EA		Recharge 5 LB Dry Chemical Portable Fire Extinguisher	14.44	
10 01 40 00-0011	EA		Recharge 10 LB Dry Chemical Portable Fire Extinguisher	20.41	
10 01 40 00-0012	EA		Recharge 20 LB Dry Chemical Portable Fire Extinguisher	32.21	
10 01 40 00-0013			Recharge Other Portable Fire Extinguishers ^(10 01 40 00-0001)		
10 01 40 00-0014	EA		Recharge 2.5 Gallon Pressurized Water Portable Fire Extinguisher	11.80	
10 01 40 00-0015	EA		Recharge 1.6 Gallon Wet Chemical Class K Fire Extinguisher.....	84.14	
10 01 40 00-0016	EA		Recharge 2.5 Gallon Wet Chemical Class K Fire Extinguisher.....	117.79	
10 01 40 00-0017	EA		Recharge 30 LB Dry Powder Class D Portable Fire Extinguisher.....	48.50	

10 01 50 Operation And Maintenance Of Storage Specialties ^(10 01)

10 01 50 11 Operation And Maintenance Of Storage Specialties ^(10 01 50)

10 01 50 11-0001			Locker Repair And Refinishing ^(10 01 50 11)		
10 01 50 11-0002	EA		Replace Single Tier Locker Door	272.76	
10 01 50 11-0003	EA		Replace Two Tier Locker Door	214.81	
10 01 50 11-0004	EA		Replace Three Tier Locker Door.....	184.94	
10 01 50 11-0005	EA		Replace Four Tier Locker Door.....	156.80	
10 01 50 11-0006	EA		Replace Six Tier Or Sixteen Person Locker Door.....	90.83	
10 01 50 11-0007	EA		Realign Metal Locker Door For Proper Closure	35.06	
10 01 50 11-0008	SF		Patch Small Drill Holes in Locker.....	7.01	

10 10 Information Specialties ⁽¹⁰⁾

10 11 Visual Display Units ^(10 10)

10 11 13 Chalkboards ^(10 11)

10 11 13 13 Fixed Chalkboards ^(10 11 13)

Note: Select task based off the square footage of an individual chalkboard. For example use the >12 To 16 SF range for each 3' x 5' chalkboard.

10 11 13 13-0001			Porcelain Enamel Steel Chalkboards ^(10 11 13 13)		
10 11 13 13-0002			5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 800 Series) ^(10 11 13 13-0001)		
			Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, chalk tray and mounting hardware.		
10 11 13 13-0003	SF		Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard.....	42.22	8.21
10 11 13 13-0004	SF		>6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	26.90	3.86
10 11 13 13-0005	SF		>12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	23.25	3.33
10 11 13 13-0006	SF		>16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	19.25	2.17
10 11 13 13-0007	SF		>24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	16.06	1.21
10 11 13 13-0008			1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 1300 Series) ^(10 11 13 13-0001)		
			Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, chalk tray and mounting hardware.		
10 11 13 13-0009	SF		Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	44.62	8.21
10 11 13 13-0010	SF		>6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	29.24	3.86
10 11 13 13-0011	SF		>12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	25.40	3.33
10 11 13 13-0012	SF		>16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	21.86	2.17
10 11 13 13-0013	SF		>24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	18.61	1.21



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

10 11 13 13-0014		1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboards (Claridge 1600 Series) <small>(10 11 13 13-0001)</small>		
		Note: Includes up to 1/2" core material, aluminum backing, chalk tray and mounting hardware.		
10 11 13 13-0015	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	40.74	8.21
10 11 13 13-0016	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	25.39	3.86
10 11 13 13-0017	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	21.81	3.33
10 11 13 13-0018	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	18.04	2.17
10 11 13 13-0019	SF	>24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	14.71	1.21
10 11 13 13-0020		Remove And Reinstall <small>(10 11 13 13)</small>		
10 11 13 13-0021	SF	Removal And Reinstallation Of Chalkboard.....	10.07	
10 11 13 13-0022		Field Applied Chalkboard And Accessories <small>(10 11 13 13)</small>		
10 11 13 13-0023		Chalkboard Face Sheets And Panels <small>(10 11 13 13-0022)</small>		
10 11 13 13-0024	SF	Porcelain Enamel Steel Chalkboard Face Sheet (Claridge Vitracite).....	14.13	3.86
		Note: Includes porcelain enamel steel chalkboard skin.		
10 11 13 13-0025	SF	Porcelain Enamel Steel Chalkboard Panel (Claridge VIT).....	16.79	3.86
		Note: Includes porcelain enamel steel surface mounted on either particle board or hardboard core with an aluminum moisture barrier back.		
10 11 13 13-0026		Chalkboard And Markerboard Accessory Trays And Trim <small>(10 11 13 13-0022)</small>		
10 11 13 13-0027	LF	Chalk And Marker Tray, Field Applied	16.22	5.31
10 11 13 13-0028	PR	Chalk And Marker Tray End Closures, Field Applied.....	23.59	9.65
10 11 13 13-0029	LF	Mullion Trim For Chalkboards And Markerboards, Field Applied.....	12.45	5.31
10 11 13 13-0030	LF	Screw On Trim For Chalkboards And Markerboards, Field Applied.....	12.74	5.31
10 11 13 13-0031	LF	1/2" Leg Map Rail For Chalkboards And Markerboards, Field Applied	13.61	5.31
10 11 13 13-0032	LF	1/4" Leg Map Rail For Chalkboards And Markerboards, Field Applied	14.34	5.31
10 11 13 13-0033	LF	No Leg Map Rail For Chalkboards And Markerboards, Field Applied.....	13.19	5.31
10 11 13 33		Rail-Mounted Chalkboards <small>(10 11 13)</small>		
10 11 13 33-0001		Horizontal Sliding, Porcelain Enamel Steel Chalkboards (Claridge HS Series) <small>(10 11 13 33)</small>		
10 11 13 33-0002		Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards <small>(10 11 13 33-0001)</small>		
10 11 13 33-0003	EA	4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	1,923.11	96.50
10 11 13 33-0004	EA	4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,158.22	96.50
10 11 13 33-0005	EA	4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,443.92	102.78
10 11 13 33-0006	EA	4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,717.09	102.78
10 11 13 33-0007	EA	4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,384.44	110.49
10 11 13 33-0008	EA	4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,602.34	110.49
10 11 13 33-0009	EA	4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,069.57	115.80
10 11 13 33-0010	EA	4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,610.47	115.80
10 11 13 33-0011		Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards <small>(10 11 13 33-0001)</small>		
10 11 13 33-0012	EA	4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,624.41	96.50
10 11 13 33-0013	EA	4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,111.41	96.50
10 11 13 33-0014	EA	4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,560.21	102.78
10 11 13 33-0015	EA	4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,007.34	102.78
10 11 13 33-0016	EA	4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,567.78	110.49
10 11 13 33-0017	EA	4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,764.84	110.49
10 11 13 33-0018	EA	4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,586.35	115.80
10 11 13 33-0019	EA	4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,244.13	115.80
10 11 13 33-0020		Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards <small>(10 11 13 33-0001)</small>		
10 11 13 33-0021	EA	4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,923.42	96.50
10 11 13 33-0022	EA	4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,321.62	96.50
10 11 13 33-0023	EA	4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,753.21	102.78
10 11 13 33-0024	EA	4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,210.30	102.78
10 11 13 33-0025	EA	4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,096.93	110.49
10 11 13 33-0026	EA	4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,306.67	110.49
10 11 13 33-0027	EA	4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,265.01	115.80
10 11 13 33-0028	EA	4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,993.06	115.80
10 11 13 33-0029		Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge TW Series) <small>(10 11 13 33)</small>		
10 11 13 33-0030		One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboards <small>(10 11 13 33-0029)</small>		



Specialties	10	10
Information Specialties	10 10	
Visual Display Units	10 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 13 33-0031 EA 8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	2,296.85	96.50
10 11 13 33-0032 EA 8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	2,533.77	96.50
10 11 13 33-0033 EA 8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	2,770.54	102.78
10 11 13 33-0034 EA 8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,181.87	102.78
10 11 13 33-0035 EA 8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,485.41	110.49
10 11 13 33-0036 EA 8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,865.03	110.49
10 11 13 33-0037 Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards (10		
<small>11 13 33-0029)</small>		
10 11 13 33-0038 EA 8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,364.14	96.50
10 11 13 33-0039 EA 8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,731.97	96.50
10 11 13 33-0040 EA 8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,101.47	102.78
10 11 13 33-0041 EA 8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,778.24	102.78
10 11 13 33-0042 EA 8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,200.44	110.49
10 11 13 33-0043 EA 8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,814.69	110.49
10 11 13 33-0044 Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards		
<small>(10 11 13 33-0029)</small>		
10 11 13 33-0045 EA 8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,589.99	96.50
10 11 13 33-0046 EA 8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,091.45	96.50
10 11 13 33-0047 EA 8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,594.58	102.78
10 11 13 33-0048 EA 8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	6,535.89	102.78
10 11 13 33-0049 EA 8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,087.63	110.49
10 11 13 33-0050 EA 8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,952.82	110.49
10 11 13 33-0051 Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards		
(Claridge MO Series) (10 11 13 33)		
Note: Excludes remotes.		
10 11 13 33-0052 One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel		
Chalkboards (10 11 13 33-0051)		
10 11 13 33-0053 EA 10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,366.80	193.00
10 11 13 33-0054 EA 10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,576.65	193.00
10 11 13 33-0055 EA 10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,811.25	199.03
10 11 13 33-0056 EA 10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,195.61	199.03
10 11 13 33-0057 EA 10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,621.03	205.06
10 11 13 33-0058 EA 10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,991.79	205.06
10 11 13 33-0059 EA 10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	9,799.87	217.13
10 11 13 33-0060 EA 10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	9,902.43	217.13
10 11 13 33-0061 Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel		
Steel Chalkboards (10 11 13 33-0051)		
10 11 13 33-0062 EA 10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	11,576.81	193.00
10 11 13 33-0063 EA 10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	11,854.25	193.00
10 11 13 33-0064 EA 10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	12,164.61	199.03
10 11 13 33-0065 EA 10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	12,729.46	199.03
10 11 13 33-0066 EA 10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	13,291.87	205.06
10 11 13 33-0067 EA 10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	13,828.63	205.06
10 11 13 33-0068 EA 10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	14,919.58	217.13
10 11 13 33-0069 EA 10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	15,082.13	217.13
10 11 13 33-0070 Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel		
Steel Chalkboards (10 11 13 33-0051)		
10 11 13 33-0071 EA 10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	15,033.87	193.00
10 11 13 33-0072 EA 10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	15,734.09	193.00
10 11 13 33-0073 EA 10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	16,105.69	199.03
10 11 13 33-0074 EA 10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	16,840.16	199.03
10 11 13 33-0075 EA 10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	17,612.96	205.06
10 11 13 33-0076 EA 10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	18,355.59	205.06
10 11 13 33-0077 EA 10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	19,821.84	217.13
10 11 13 33-0078 EA 10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	20,107.79	217.13
10 11 13 33-0079 Sliding Chalkboard And Markerboard Accessories (10 11 13 33)		
10 11 13 33-0080 EA One Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard.....	552.39	
10 11 13 33-0081 EA Two Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard.....	942.91	
10 11 16 Markerboards (10 11)		
10 11 16 13 Fixed Markerboards (10 11 16)		
Note: Select task based off the square footage of an individual markerboard. For example use the >12 To 16 SF range for each 3' x 5' markerboard.		
10 11 16 13-0001 Porcelain Enamel Steel Markerboards (10 11 16 13)		



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

10 11 16 13-0002	5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 800 Series) <small>(10 11 16 13-0001)</small> Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0003	SF Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	42.37	8.21
10 11 16 13-0004	SF >6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	27.43	3.86
10 11 16 13-0005	SF >12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	23.25	3.33
10 11 16 13-0006	SF >16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	19.44	2.17
10 11 16 13-0007	SF >24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	15.85	1.21
10 11 16 13-0008	1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 1300 Series) <small>(10 11 16 13-0001)</small> Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0009	SF Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	44.65	8.21
10 11 16 13-0010	SF >6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	28.11	3.86
10 11 16 13-0011	SF >12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	24.27	3.33
10 11 16 13-0012	SF >16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	20.72	2.17
10 11 16 13-0013	SF >24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	17.95	1.21
10 11 16 13-0014	1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboards (Claridge LCS Series) <small>(10 11 16 13-0001)</small> Note: Includes up to 1/2" core material, aluminum backing, marker tray and mounting hardware.		
10 11 16 13-0015	SF Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	40.73	8.21
10 11 16 13-0016	SF >6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	25.40	3.86
10 11 16 13-0017	SF >12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	22.91	3.33
10 11 16 13-0018	SF >16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	18.16	2.17
10 11 16 13-0019	SF >24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	14.45	1.21
10 11 16 13-0020	Melamine Markerboards <small>(10 11 16 13)</small>		
10 11 16 13-0021	1-1/4" Face Aluminum Frame, Melamine Markerboard (Claridge MLC Series) <small>(10 11 16 13-0020)</small> Note: Includes full length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0022	SF Up To 6 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	33.77	8.21
10 11 16 13-0023	SF >6 To 12 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	20.60	3.86
10 11 16 13-0024	SF >12 To 16 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	17.87	3.33
10 11 16 13-0025	SF >16 To 24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	13.40	2.17
10 11 16 13-0026	SF >24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	10.83	1.21
10 11 16 13-0027	1-3/4" Face Wood Frame, Melamine Markerboard (Claridge MLC Series) <small>(10 11 16 13-0020)</small> Note: Includes marker tray and mounting hardware.		
10 11 16 13-0028	SF Up To 6 SF, 1-3/4" Face Wood Frame, Melamine Markerboard.....	32.99	8.21
10 11 16 13-0029	SF >6 To 12 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	20.24	3.86
10 11 16 13-0030	SF >12 To 16 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	17.36	3.33
10 11 16 13-0031	SF >16 To 24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	12.49	2.17
10 11 16 13-0032	SF >24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	10.00	1.21
10 11 16 13-0033	Nonporous, Non-Staining Markerboards <small>(10 11 16 13)</small>		
10 11 16 13-0034	5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) <small>(10 11 16 13-0033)</small> Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0035	SF Up To 6 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	36.02	8.21
	For Magnetic Surface, Add	1.96	
10 11 16 13-0036	SF >6 To 12 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	22.65	3.86
	For Magnetic Surface, Add	1.49	
10 11 16 13-0037	SF >12 To 16 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	19.53	3.33
	For Magnetic Surface, Add	1.29	
10 11 16 13-0038	SF >16 To 24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	16.71	2.17
	For Magnetic Surface, Add	1.24	
10 11 16 13-0039	SF >24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	13.94	1.21
	For Magnetic Surface, Add	1.15	
10 11 16 13-0040	1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) <small>(10 11 16 13-0033)</small> Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0041	SF Up To 6 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	36.02	8.21
	For Magnetic Surface, Add	1.96	
10 11 16 13-0042	SF >6 To 12 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	22.65	3.86
	For Magnetic Surface, Add	1.49	



Specialties	10
Information Specialties	10 10
Visual Display Units	10 11

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 13-0043 SF >12 To 16 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	19.53 1.29	3.33
10 11 16 13-0044 SF >16 To 24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	16.71 1.24	2.17
10 11 16 13-0045 SF >24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard <i>For Magnetic Surface, Add</i>	13.94 1.15	1.21
10 11 16 13-0046 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) (10 11 16 13-0033) Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0047 SF Up To 6 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard <i>For Magnetic Surface, Add</i>	60.32 4.39	8.21
10 11 16 13-0048 SF >6 To 12 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	37.25 2.95	3.86
10 11 16 13-0049 SF >12 To 16 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	31.53 2.49	3.33
10 11 16 13-0050 SF >16 To 24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	26.19 2.19	2.17
10 11 16 13-0051 SF >24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	20.00 1.76	1.21
10 11 16 13-0052 Nonporous, Non-Staining Markerboard Resurfacing Panels (EverWhite EverEZ Resurfacing Panels) (10 11 16 13-0033) Note: Includes non-staining, permanent marker resistant, magnetic dry erase surface. Excludes frame. Resurfacing panel for mounting to existing chalkboard or markerboard consists of dry erase surface, 24-gauge treated steel interlayer and pressure-sensitive adhesive backing.		
10 11 16 13-0053 SF Up To 16 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	15.93	3.33
10 11 16 13-0054 SF >16 To 24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	13.14	2.17
10 11 16 13-0055 SF >24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	10.61	1.21
10 11 16 13-0056 Remove And Reinstall Markerboard (10 11 16 13)		
10 11 16 13-0057 EA Up To 6 SF, Removal And Reinstallation Of Markerboard	57.90	
10 11 16 13-0058 EA >6 To 12 SF, Removal And Reinstallation Of Markerboard	67.55	
10 11 16 13-0059 EA >12 To 16 SF, Removal And Reinstallation Of Markerboard	77.20	
10 11 16 13-0060 EA >16 To 24 SF, Removal And Reinstallation Of Markerboard.....	86.85	
10 11 16 13-0061 EA >24 SF, Removal And Reinstallation Of Markerboard	96.50	
10 11 16 13-0062 Field Applied Markerboard And Accessories (10 11 16 13)		
10 11 16 13-0063 Markerboard Face Sheets And Panels (10 11 16 13-0062)		
10 11 16 13-0064 SF Porcelain Enamel Steel Markerboard Face Sheet (Claridge LCS)	13.91	3.86
10 11 16 13-0065 SF Porcelain Enamel Steel Markerboard Face Sheet With Double Sided Tape (Claridge LCS EZ Stick)	16.30	3.86
10 11 16 13-0066 SF Porcelain Enamel Steel Markerboard Panel (Claridge LCS)..... Note: Includes porcelain enamel steel surface mounted on either 3/8" particle board or 1/4" hardboard core with an aluminum moisture barrier back.	16.25	3.86
10 11 16 13-0067 SF Melamine Markerboard Panel (Claridge 1032)	9.58	3.86
10 11 16 13-0068 Chalkboard And Markerboard Accessory Trays And Trim (10 11 16 13-0062) See CSI section 10 11 13 13-0026 for chalkboard and markerboard accessory trays and trim.		
10 11 16 33 Rail-Mounted Markerboards (10 11 16)		
10 11 16 33-0001 Horizontal Sliding, Porcelain Enamel Steel Markerboards (Claridge HS Series) (10 11 16 33)		
10 11 16 33-0002 Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards (10 11 16 33-0001)		
10 11 16 33-0003 EA 4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	1,900.05	96.50
10 11 16 33-0004 EA 4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,127.48	96.50
10 11 16 33-0005 EA 4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,405.50	102.78
10 11 16 33-0006 EA 4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,670.98	102.78
10 11 16 33-0007 EA 4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,330.66	110.49
10 11 16 33-0008 EA 4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,540.87	110.49
10 11 16 33-0009 EA 4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,992.74	115.80
10 11 16 33-0010 EA 4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,518.26	115.80
10 11 16 33-0011 Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards (10 11 16 33-0001)		
10 11 16 33-0012 EA 4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,601.36	96.50
10 11 16 33-0013 EA 4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,080.68	96.50



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 33-0014 EA 4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,521.79	102.78
10 11 16 33-0015 EA 4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,961.24	102.78
10 11 16 33-0016 EA 4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,514.00	110.49
10 11 16 33-0017 EA 4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,703.37	110.49
10 11 16 33-0018 EA 4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,509.52	115.80
10 11 16 33-0019 EA 4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,151.93	115.80
10 11 16 33-0020 Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0001)</small>		
10 11 16 33-0021 EA 4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,900.37	96.50
10 11 16 33-0022 EA 4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,290.89	96.50
10 11 16 33-0023 EA 4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,714.79	102.78
10 11 16 33-0024 EA 4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,164.20	102.78
10 11 16 33-0025 EA 4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,043.15	110.49
10 11 16 33-0026 EA 4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,245.20	110.49
10 11 16 33-0027 EA 4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,188.17	115.80
10 11 16 33-0028 EA 4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,923.91	115.80
10 11 16 33-0029 Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge TW Series) <small>(10 11 16 33)</small>		
10 11 16 33-0030 One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0029)</small>		
10 11 16 33-0031 EA 8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	2,266.11	96.50
10 11 16 33-0032 EA 8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	2,495.35	96.50
10 11 16 33-0033 EA 8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	2,724.44	102.78
10 11 16 33-0034 EA 8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,120.40	102.78
10 11 16 33-0035 EA 8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,408.58	110.49
10 11 16 33-0036 EA 8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,772.82	110.49
10 11 16 33-0037 Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0029)</small>		
10 11 16 33-0038 EA 8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,302.67	96.50
10 11 16 33-0039 EA 8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,655.13	96.50
10 11 16 33-0040 EA 8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,009.26	102.78
10 11 16 33-0041 EA 8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,655.30	102.78
10 11 16 33-0042 EA 8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,046.77	110.49
10 11 16 33-0043 EA 8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,630.29	110.49
10 11 16 33-0044 Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0029)</small>		
10 11 16 33-0045 EA 8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,497.79	96.50
10 11 16 33-0046 EA 8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,976.20	96.50
10 11 16 33-0047 EA 8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,456.27	102.78
10 11 16 33-0048 EA 8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,351.48	102.78
10 11 16 33-0049 EA 8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,857.12	110.49
10 11 16 33-0050 EA 8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	7,676.22	110.49
10 11 16 33-0051 Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge MO Series) <small>(10 11 16 33)</small>		
Note: Excludes remotes.		
10 11 16 33-0052 One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0051)</small>		
10 11 16 33-0053 EA 10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	7,328.38	193.00
10 11 16 33-0054 EA 10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	7,528.63	193.00
10 11 16 33-0055 EA 10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	7,753.63	199.03
10 11 16 33-0056 EA 10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	8,118.78	199.03
10 11 16 33-0057 EA 10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	8,524.98	205.06
10 11 16 33-0058 EA 10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	8,876.54	205.06
10 11 16 33-0059 EA 10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	9,665.40	217.13
10 11 16 33-0060 EA 10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	9,748.76	217.13
10 11 16 33-0061 Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0051)</small>		
10 11 16 33-0062 EA 10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	11,499.98	193.00
10 11 16 33-0063 EA 10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	11,758.21	193.00
10 11 16 33-0064 EA 10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	12,049.35	199.03
10 11 16 33-0065 EA 10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	12,575.79	199.03
10 11 16 33-0066 EA 10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	13,099.78	205.06
10 11 16 33-0067 EA 10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	13,598.12	205.06
10 11 16 33-0068 EA 10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	14,650.66	217.13
10 11 16 33-0069 EA 10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	14,774.79	217.13



Specialties	10	10
Information Specialties	10 10	
Visual Display Units	10 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 33-0070 Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0051)</small>		
10 11 16 33-0071 EA 10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	14,918.62	193.00
10 11 16 33-0072 EA 10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	15,590.02	193.00
10 11 16 33-0073 EA 10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	15,932.81	199.03
10 11 16 33-0074 EA 10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	16,609.65	199.03
10 11 16 33-0075 EA 10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	17,324.83	205.06
10 11 16 33-0076 EA 10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	18,009.83	205.06
10 11 16 33-0077 EA 10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	19,418.45	217.13
10 11 16 33-0078 EA 10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	19,646.78	217.13
10 11 16 33-0079 Sliding Chalkboard And Markerboard Accessories <small>(10 11 16 33)</small> See CSI section 10 11 13 33-0079 for sliding chalkboard and markerboard accessories.		
10 11 23 Tackboards <small>(10 11)</small>		
10 11 23 13 Fixed Tackboards <small>(10 11 23)</small> Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.		
10 11 23 13-0001 Fixed Tackboards <small>(10 11 23 13)</small> Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.		
10 11 23 13-0002 Cork Surface, Fixed Tackboards <small>(10 11 23 13-0001)</small> Note: Includes up to 1/4" cork surface, unmounted or mounted on duracore or hardboard.		
10 11 23 13-0003 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 800 Series) <small>(10 11 23 13-0002)</small>		
10 11 23 13-0004 SF Up To 6 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	28.56	8.21
10 11 23 13-0005 SF >6 To 12 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	16.18	3.86
10 11 23 13-0006 SF >12 To 16 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	14.02	3.33
10 11 23 13-0007 SF >16 To 24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	11.14	2.17
10 11 23 13-0008 SF >24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	9.04	1.21
10 11 23 13-0009 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 900A Series) <small>(10 11 23 13-0002)</small>		
10 11 23 13-0010 SF Up To 6 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	29.99	8.21
10 11 23 13-0011 SF >6 To 12 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	16.84	3.86
10 11 23 13-0012 SF >12 To 16 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	13.68	3.33
10 11 23 13-0013 SF >16 To 24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	10.61	2.17
10 11 23 13-0014 SF >24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	8.21	1.21
10 11 23 13-0015 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboards (Claridge 700 Series) <small>(10 11 23 13-0002)</small>		
10 11 23 13-0016 SF Up To 6 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	30.14	8.21
10 11 23 13-0017 SF >6 To 12 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	18.24	3.86
10 11 23 13-0018 SF >12 To 16 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	16.85	3.33
10 11 23 13-0019 SF >16 To 24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	12.91	2.17
10 11 23 13-0020 SF >24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	10.14	1.21
10 11 23 13-0021 Burlap Backed Cork Surface, Fixed Tackboards <small>(10 11 23 13-0001)</small> Note: Includes burlap backed 1/4" self healing cork surface, unmounted or mounted on hardboard.		
10 11 23 13-0022 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 800 Series) <small>(10 11 23 13-0021)</small>		
10 11 23 13-0023 SF Up To 6 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	32.71	8.21
10 11 23 13-0024 SF >6 To 12 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	21.16	3.86
10 11 23 13-0025 SF >12 To 16 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	19.29	3.33
10 11 23 13-0026 SF >16 To 24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	16.42	2.17
10 11 23 13-0027 SF >24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	14.42	1.21
10 11 23 13-0028 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 700 Series) <small>(10 11 23 13-0021)</small>		
10 11 23 13-0029 SF Up To 6 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	36.18	8.21
10 11 23 13-0030 SF >6 To 12 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	24.87	3.86
10 11 23 13-0031 SF >12 To 16 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	23.03	3.33
10 11 23 13-0032 SF >16 To 24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	19.14	2.17
10 11 23 13-0033 SF >24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	16.40	1.21
10 11 23 13-0034 Polyester Fabric Surface, Fixed Tackboards <small>(10 11 23 13-0001)</small> Note: Includes polyester fabric on cork underlay, unmounted or mounted on duracore. Class A rating.		
10 11 23 13-0035 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 800 Series) <small>(10 11 23 13-0034)</small>		

10	Specialties
10 10	Information Specialties
10 11	Visual Display Units



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 23 13-0036 SF Up To 6 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	29.54	8.21
10 11 23 13-0037 SF >6 To 12 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	17.38	3.86
10 11 23 13-0038 SF >12 To 16 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	15.38	3.33
10 11 23 13-0039 SF >16 To 24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	12.53	2.17
10 11 23 13-0040 SF >24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	10.28	1.21
10 11 23 13-0041 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 700 Series) (10 11 23 13-0034)		
10 11 23 13-0042 SF Up To 6 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	31.50	8.21
10 11 23 13-0043 SF >6 To 12 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	19.94	3.86
10 11 23 13-0044 SF >12 To 16 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	18.44	3.33
10 11 23 13-0045 SF >16 To 24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	14.65	2.17
10 11 23 13-0046 SF >24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	11.95	1.21
10 11 23 13-0047 Vinyl Fabric Surface, Fixed Tackboards (10 11 23 13-0001)		
Note: Includes vinyl fabric on cork underlay, unmounted or mounted on duracore.		
10 11 23 13-0048 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 800 Series) (10 11 23 13-0047)		
10 11 23 13-0049 SF Up To 6 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	28.56	8.21
10 11 23 13-0050 SF >6 To 12 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	16.25	3.86
10 11 23 13-0051 SF >12 To 16 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	14.14	3.33
10 11 23 13-0052 SF >16 To 24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	11.14	2.17
10 11 23 13-0053 SF >24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	8.87	1.21
10 11 23 13-0054 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 700 Series) (10 11 23 13-0047)		
10 11 23 13-0055 SF Up To 6 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard.....	30.14	8.21
10 11 23 13-0056 SF >6 To 12 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard.....	18.94	3.86
10 11 23 13-0057 SF >12 To 16 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard.....	16.85	3.33
10 11 23 13-0058 SF >16 To 24 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard.....	12.91	2.17
10 11 23 13-0059 SF 4' x 8', 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard.....	10.14	1.21
10 12 Display Cases (10 10)		
10 12 00 00-0001 Counter Display Cases (10 12)		
10 12 00 00-0002 EA 30" x 12" x 36" Counter Display Cases.....	1,051.60	147.84
10 12 00 00-0003 EA 30" x 12" x 48" Counter Display Cases.....	1,129.10	147.84
10 12 00 00-0004 EA 30" x 18" x 36" Counter Display Cases.....	1,097.53	147.84
10 12 00 00-0005 EA 30" x 18" x 48" Counter Display Cases.....	1,043.75	65.71
10 12 00 00-0006 Upright Display Case (10 12)		
10 12 00 00-0007 EA 72 In x 20 In x 70 In Upright Display Case.....	2,102.86	147.84
10 12 00 00-0008 Full Vision Display Case (10 12)		
10 12 00 00-0009 EA 38 In x 20 In x 70 In Full Vision Display Case.....	1,401.99	147.84
10 13 Directories (10 10)		
10 13 11 Directory And Bulletin Boards (10 13)		
Note: Select task based off the square footage of an individual directory or bulletin board. For example use the >12 To 16 SF range for each 3' x 5' directory or bulletin board.		
10 13 11 00-0001 Wall Mounted Directories (10 13 11)		
Note: Includes changeable letters.		
10 13 11 00-0002 Open Face, Wall Mounted Directories (10 13 11 00-0001)		
Note: Includes vinyl or felt back panel.		
10 13 11 00-0003 Wood Frame, Open Face, Wall Mounted Directories (Claridge 350 Series) (10 13 11 00-0002)		
10 13 11 00-0004 SF Up To 6 SF, Wood Frame, Open Face, Wall Mounted Directory.....	46.90	8.21
10 13 11 00-0005 SF >6 To 12 SF, Wood Frame, Open Face, Wall Mounted Directory.....	30.60	3.86
10 13 11 00-0006 SF >12 To 16 SF, Wood Frame, Open Face, Wall Mounted Directory.....	27.80	3.33
10 13 11 00-0007 SF >16 To 24 SF, Wood Frame, Open Face, Wall Mounted Directory.....	21.22	2.17
10 13 11 00-0008 SF >24 SF, Wood Frame, Open Face, Wall Mounted Directory.....	16.91	1.21
10 13 11 00-0009 Aluminum Frame, Open Face, Wall Mounted Directories (Claridge 432 Series) (10 13 11 00-0002)		
10 13 11 00-0010 SF Up To 6 SF, Aluminum Frame, Open Face, Wall Mounted Directory.....	47.36	8.21
For Bronze Anodize Finish, Add	12.00	
10 13 11 00-0011 SF >6 To 12 SF, Aluminum Frame, Open Face, Wall Mounted Directory.....	30.90	3.86
For Bronze Anodize Finish, Add	12.00	



Specialties	10
Information Specialties	10 10
Directories	10 13

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0012 SF >12 To 16 SF, Aluminum Frame, Open Face, Wall Mounted Directory..... <i>For Bronze Anodize Finish, Add</i>	28.41 12.00	3.33
10 13 11 00-0013 SF >16 To 24 SF, Aluminum Frame, Open Face, Wall Mounted Directory..... <i>For Bronze Anodize Finish, Add</i>	20.23 12.00	2.17
10 13 11 00-0014 SF >24 SF, Aluminum Frame, Open Face, Wall Mounted Directory..... <i>For Bronze Anodize Finish, Add</i>	17.36 12.00	1.21
10 13 11 00-0015 Glass Encased, Wall Mounted Directory Cabinets (10 13 11 00-0001) Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0016 Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (10 13 11 00-0015)		
10 13 11 00-0017 Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 3052 Series) (10 13 11 00-0016)		
10 13 11 00-0018 SF Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i>	115.01 15.00	8.21
10 13 11 00-0019 SF >6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i>	92.06 15.00	3.86
10 13 11 00-0020 SF >12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i>	77.11 15.00	3.33
10 13 11 00-0021 SF >16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i>	71.35 15.00	2.17
10 13 11 00-0022 SF >24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i>	64.48 15.00	1.21
10 13 11 00-0023 Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 345 Series) (10 13 11 00-0016)		
10 13 11 00-0024 SF Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i>	99.00 15.00	8.21
10 13 11 00-0025 SF >12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i>	79.63 15.00	3.33
10 13 11 00-0026 SF >16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i>	57.08 15.00	2.17
10 13 11 00-0027 SF >24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i>	51.34 15.00	1.21
10 13 11 00-0028 Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (10 13 11 00-0015)		
10 13 11 00-0029 Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) (10 13 11 00-0028)		
10 13 11 00-0030 SF Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	103.01 15.00 12.00 17.32	8.21
10 13 11 00-0031 SF >6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	79.61 15.00 12.00 14.38	3.86
10 13 11 00-0032 SF >12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	67.38 15.00 12.00 12.14	3.33
10 13 11 00-0033 SF >16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	49.50 15.00 12.00 9.03	2.17
10 13 11 00-0034 SF >24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	46.13 15.00 12.00 8.74	1.21
10 13 11 00-0035 Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) (10 13 11 00-0028)		
10 13 11 00-0036 SF Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	158.43 15.00 12.00 28.41	8.21
10 13 11 00-0037 SF >6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	92.00 15.00 12.00 16.86	3.86
10 13 11 00-0038 SF >12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	77.52 15.00 12.00 14.17	3.33



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0039 SF >16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet.....	59.73	2.17
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	11.08	
10 13 11 00-0040 SF >24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	55.20	1.21
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	10.56	
10 13 11 00-0041 Outdoor, Glass Encased, Wall Mounted Directory Cabinets (10 13 11 00-0001)		
Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0042 Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets (10 13 11 00-0041)		
10 13 11 00-0043 Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets (Claridge 548 Series) (10 13 11 00-0042)		
10 13 11 00-0044 SF Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet	155.63	8.21
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
10 13 11 00-0045 SF >6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet.....	103.85	3.86
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
10 13 11 00-0046 SF >12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet.....	100.89	3.33
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
10 13 11 00-0047 Wall Mounted Bulletin Boards (10 13 11)		
10 13 11 00-0048 Glass Encased, Wall Mounted Bulletin Board Cabinets (10 13 11 00-0047)		
Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0049 Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (10 13 11 00-0048)		
10 13 11 00-0050 Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 3070 Series) (10 13 11 00-0049)		
10 13 11 00-0051 SF Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	112.29	8.21
For Fluorescent Lights, Add	15.00	
10 13 11 00-0052 SF >6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	90.02	3.86
For Fluorescent Lights, Add	15.00	
10 13 11 00-0053 SF >12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	75.07	3.33
For Fluorescent Lights, Add	15.00	
10 13 11 00-0054 SF >16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	69.43	2.17
For Fluorescent Lights, Add	15.00	
10 13 11 00-0055 SF >24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	63.57	1.21
For Fluorescent Lights, Add	15.00	
10 13 11 00-0056 Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 310 Series) (10 13 11 00-0049)		
10 13 11 00-0057 SF Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	94.17	8.21
For Fluorescent Lights, Add	15.00	
10 13 11 00-0058 SF >12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	75.04	3.33
For Fluorescent Lights, Add	15.00	
10 13 11 00-0059 SF >16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	53.53	2.17
For Fluorescent Lights, Add	15.00	
10 13 11 00-0060 SF >24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	48.62	1.21
For Fluorescent Lights, Add	15.00	
10 13 11 00-0061 Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (10 13 11 00-0048)		
10 13 11 00-0062 Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) (10 13 11 00-0061)		
10 13 11 00-0063 SF Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	105.50	8.21
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	17.82	
10 13 11 00-0064 SF >6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	82.09	3.86
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	14.87	
10 13 11 00-0065 SF >12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	69.86	3.33
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	12.64	



Specialties	10	10
Information Specialties	10 10	
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0066	SF		>16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	51.98 15.00 12.00 9.53	2.17
10 13 11 00-0067	SF		>24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	48.62 15.00 12.00 9.24	1.21
10 13 11 00-0068			Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) <small>(10 13 11 00-0061)</small>		
10 13 11 00-0069	SF		Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	160.92 15.00 12.00 28.90	8.21
10 13 11 00-0070	SF		>6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	94.48 15.00 12.00 17.35	3.86
10 13 11 00-0071	SF		>12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	80.00 15.00 12.00 14.67	3.33
10 13 11 00-0072	SF		>16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	62.22 15.00 12.00 11.58	2.17
10 13 11 00-0073	SF		>24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	57.68 15.00 12.00 11.05	1.21
10 13 11 00-0074			Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets <small>(10 13 11 00-0047)</small> Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0075			Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets <small>(10 13 11 00-0074)</small>		
10 13 11 00-0076			Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets <small>(10 13 11 00-0075)</small>		
10 13 11 00-0077	SF		Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	153.15 15.00 12.00	8.21
10 13 11 00-0078	SF		>6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	101.37 15.00 12.00	3.86
10 13 11 00-0079	SF		>12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	98.43 15.00 12.00	3.33
10 14			Signage <small>(10 10)</small>		
10 14 16			Plaques <small>(10 14)</small> Note: Price includes custom lettering and emblem casting sizes one to four SF each.		
10 14 16 00-0001			Metal Cased Plaque <small>(10 14 16)</small>		
10 14 16 00-0002	SF		Bronze Cast Plaque With lettering Including Emblem Size 1-4 SF Each..... <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	420.13 -45.25 -77.62	24.11
10 14 16 00-0003	SF		Aluminum Cast Plaque With lettering Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	272.04 -28.96 -46.52	24.11
10 14 16 00-0004			Metal Engraved Plaque, Etched <small>(10 14 16)</small>		
10 14 16 00-0005	SF		Porcelainized Steel Engraved Plaque Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	295.95 -31.59 -51.54	24.11
10 14 16 00-0006	SF		Stainless Steel Engraved Plaque Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	277.81 -29.59 -47.73	24.11
10 14 16 00-0007	SF		Brass Engraved Plaque Including Emblem Size 1-4 SF Each..... <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	199.51 -20.98 -31.29	24.11
10 14 16 00-0008	SF		Aluminum Engraved Plaque Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	193.74 -20.35 -30.07	24.11
10 14 16 00-0009			Metal Built-Up Plaque <small>(10 14 16)</small>		

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10 10 Information Specialties
10 14 Signage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 16 00-0010 SF Bronze Built-up Plaque Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	328.39 -34.92 -55.70	29.91
10 14 16 00-0011 SF Copper And Bronze Built-up Plaque Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	334.69 -35.61 -57.02	29.91
10 14 16 00-0012 SF Copper And Aluminum Built-up Plaque Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	307.70 -32.64 -51.35	29.91
10 14 16 00-0013 SF Bronze Built-up Dedication Plaque Including Raised Bronze Lettering, (2'-3" x 3'-8-1/4") <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	377.75 -40.35 -66.06	60.29
10 14 16 00-0014 SF Bronze Built-up Plaque Including Raised Bronze Lettering (3' x 9') <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	325.27 -34.57 -55.04	60.29
10 14 16 00-0015 Metal Nameplate Plaques (10 14 16)		
10 14 16 00-0016 SF Cast Bronze Nameplate Plaque Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	169.28 -17.98 -28.47	16.40
10 14 16 00-0017 SF Cast Aluminum Nameplate Plaque Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	208.58 -22.30 -36.73	16.40
10 14 16 00-0018 EA 1-1/2" x 6" Engraved Bronze Nameplate Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	127.30 -13.36 -19.66	16.40
10 14 16 00-0019 EA 1-1/2" x 6" Engraved Aluminum Nameplate Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	113.79 -11.87 -16.82	16.40
10 14 16 00-0020 SF Bronze Built-up Plaque Including Raised Bronze Lettering (3' x 9') <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	317.77 -33.75 -53.47	60.29
10 14 19 Dimensional Letter Signage (10 14)		
Note: Mounted on masonry or concrete.		
10 14 19 00-0001 Cast Characters (10 14 19)		
10 14 19 00-0002 Satin Finish, Cast Aluminum Characters (10 14 19 00-0001)		
10 14 19 00-0003 EA 2" High x 3/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Patina Finish, Add</i> <i>For Color Anodized, Add</i>	42.13 -4.52 1.80 5.41 7.21 9.01	6.03
10 14 19 00-0004 EA 3" High x 1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Patina Finish, Add</i> <i>For Color Anodized, Add</i>	49.61 -5.09 2.36 7.07 9.42 11.78	6.51
10 14 19 00-0005 EA 4" High x 5/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Patina Finish, Add</i> <i>For Color Anodized, Add</i>	54.30 -5.51 2.63 7.90 10.53 13.17	7.00
10 14 19 00-0006 EA 5" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Patina Finish, Add</i> <i>For Color Anodized, Add</i>	62.32 -6.30 3.05 9.15 12.20 15.25	8.01
10 14 19 00-0007 EA 6" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Patina Finish, Add</i> <i>For Color Anodized, Add</i>	68.42 -6.80 3.47 10.40 13.86 17.33	8.44
10 14 19 00-0008 EA 8" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Patina Finish, Add</i> <i>For Color Anodized, Add</i>	81.56 -7.94 4.30 12.89 17.19 21.49	9.65
10 14 19 00-0009 EA 9" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Patina Finish, Add</i> <i>For Color Anodized, Add</i>	90.42 -8.57 4.99 14.97 19.96 24.95	10.13



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0010 EA 10" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	103.01	10.86
For Installation With Adhesive, Deduct	-9.49	
For Clear Anodized, Add	5.96	
For Satin Face And Enameled Return, Add	17.88	
For Patina Finish, Add	23.84	
For Color Anodized, Add	29.80	
10 14 19 00-0011 EA 12" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	125.00	12.54
For Installation With Adhesive, Deduct	-11.27	
For Clear Anodized, Add	7.48	
For Satin Face And Enameled Return, Add	22.45	
For Patina Finish, Add	29.94	
For Color Anodized, Add	37.42	
10 14 19 00-0012 EA 14" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	149.36	14.48
For Installation With Adhesive, Deduct	-13.26	
For Clear Anodized, Add	9.15	
For Satin Face And Enameled Return, Add	27.44	
For Patina Finish, Add	36.59	
For Color Anodized, Add	45.74	
10 14 19 00-0013 EA 15" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	164.13	16.08
For Installation With Adhesive, Deduct	-14.64	
For Clear Anodized, Add	9.98	
For Satin Face And Enameled Return, Add	29.94	
For Patina Finish, Add	39.92	
For Color Anodized, Add	49.90	
10 14 19 00-0014 EA 16" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	183.11	17.36
For Installation With Adhesive, Deduct	-16.10	
For Clear Anodized, Add	11.37	
For Satin Face And Enameled Return, Add	34.10	
For Patina Finish, Add	45.46	
For Color Anodized, Add	56.83	
10 14 19 00-0015 EA 18" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	221.31	19.29
For Installation With Adhesive, Deduct	-18.78	
For Clear Anodized, Add	14.41	
For Satin Face And Enameled Return, Add	43.24	
For Patina Finish, Add	57.66	
For Color Anodized, Add	72.07	
10 14 19 00-0016 EA 20" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	267.00	21.70
For Installation With Adhesive, Deduct	-22.03	
For Clear Anodized, Add	18.02	
For Satin Face And Enameled Return, Add	54.05	
For Patina Finish, Add	72.07	
For Color Anodized, Add	90.09	
10 14 19 00-0017 EA 24" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	321.00	24.11
For Installation With Adhesive, Deduct	-25.70	
For Clear Anodized, Add	22.45	
For Satin Face And Enameled Return, Add	67.36	
For Patina Finish, Add	89.81	
For Color Anodized, Add	112.27	
10 14 19 00-0018 Satin Finish, Cast Bronze Characters <small>(10 14 19 00-0001)</small>		
10 14 19 00-0019 EA 2" High x 3/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	51.44	6.63
For Installation With Adhesive, Deduct	-5.23	
For Oxidized Finish, Add	3.74	
For Polished Or Patina Finish, Add	7.47	
10 14 19 00-0020 EA 3" High x 1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	72.84	7.24
For Installation With Adhesive, Deduct	-6.54	
For Oxidized Finish, Add	6.59	
For Polished Or Patina Finish, Add	13.17	
10 14 19 00-0021 EA 4" High x 5/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	79.51	7.72
For Installation With Adhesive, Deduct	-7.06	
For Oxidized Finish, Add	7.30	
For Polished Or Patina Finish, Add	14.59	
10 14 19 00-0022 EA 5" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	96.42	8.68
For Installation With Adhesive, Deduct	-8.29	
For Oxidized Finish, Add	9.25	
For Polished Or Patina Finish, Add	18.51	
10 14 19 00-0023 EA 6" High x 1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	107.14	9.26
For Installation With Adhesive, Deduct	-9.07	
For Oxidized Finish, Add	10.50	
For Polished Or Patina Finish, Add	21.00	
10 14 19 00-0024 EA 8" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	142.11	10.62
For Installation With Adhesive, Deduct	-11.35	
For Oxidized Finish, Add	14.95	
For Polished Or Patina Finish, Add	29.90	
10 14 19 00-0025 EA 9" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	161.83	11.10
For Installation With Adhesive, Deduct	-12.53	
For Oxidized Finish, Add	17.62	
For Polished Or Patina Finish, Add	35.24	
10 14 19 00-0026 EA 10" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	181.11	12.06
For Installation With Adhesive, Deduct	-13.88	
For Oxidized Finish, Add	19.93	
For Polished Or Patina Finish, Add	39.86	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0027	EA		12" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	214.93	13.99
			<i>For Installation With Adhesive, Deduct</i>	-16.34	
			<i>For Oxidized Finish, Add</i>	23.85	
			<i>For Polished Or Patina Finish, Add</i>	47.69	
10 14 19 00-0028	EA		14" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	252.31	15.91
			<i>For Installation With Adhesive, Deduct</i>	-18.98	
			<i>For Oxidized Finish, Add</i>	28.30	
			<i>For Polished Or Patina Finish, Add</i>	56.59	
10 14 19 00-0029	EA		15" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	299.03	19.29
			<i>For Installation With Adhesive, Deduct</i>	-22.67	
			<i>For Oxidized Finish, Add</i>	33.28	
			<i>For Polished Or Patina Finish, Add</i>	66.56	
10 14 19 00-0030	EA		16" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	310.75	20.74
			<i>For Installation With Adhesive, Deduct</i>	-23.83	
			<i>For Oxidized Finish, Add</i>	34.17	
			<i>For Polished Or Patina Finish, Add</i>	68.34	
10 14 19 00-0031	EA		18" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	439.34	24.11
			<i>For Installation With Adhesive, Deduct</i>	-31.61	
			<i>For Oxidized Finish, Add</i>	51.43	
			<i>For Polished Or Patina Finish, Add</i>	102.86	
10 14 19 00-0032	EA		20" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	528.50	27.14
			<i>For Installation With Adhesive, Deduct</i>	-37.28	
			<i>For Oxidized Finish, Add</i>	63.00	
			<i>For Polished Or Patina Finish, Add</i>	125.99	
10 14 19 00-0033	EA		24" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	671.15	31.35
			<i>For Installation With Adhesive, Deduct</i>	-46.10	
			<i>For Oxidized Finish, Add</i>	81.86	
			<i>For Polished Or Patina Finish, Add</i>	163.72	
10 14 19 00-0034			Molded Characters (10 14 19)		
10 14 19 00-0035			Molded Plastic Characters (10 14 19 00-0034)		
10 14 19 00-0036	EA		4" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	29.78	4.82
			<i>For Installation With Adhesive, Deduct</i>	-3.42	
10 14 19 00-0037	EA		5" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	32.35	5.31
			<i>For Installation With Adhesive, Deduct</i>	-3.74	
10 14 19 00-0038	EA		6" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	35.64	5.79
			<i>For Installation With Adhesive, Deduct</i>	-4.10	
10 14 19 00-0039	EA		8" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	44.28	6.27
			<i>For Installation With Adhesive, Deduct</i>	-4.72	
10 14 19 00-0040	EA		9" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	47.82	6.76
			<i>For Installation With Adhesive, Deduct</i>	-5.09	
10 14 19 00-0041	EA		10" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	51.70	7.24
			<i>For Installation With Adhesive, Deduct</i>	-5.48	
10 14 19 00-0042	EA		12" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	60.28	8.44
			<i>For Installation With Adhesive, Deduct</i>	-6.39	
10 14 19 00-0043	EA		15" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	78.81	10.62
			<i>For Installation With Adhesive, Deduct</i>	-8.19	
10 14 19 00-0044	EA		18" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	99.16	12.54
			<i>For Installation With Adhesive, Deduct</i>	-9.97	
10 14 19 00-0045	EA		24" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	143.06	15.43
			<i>For Installation With Adhesive, Deduct</i>	-13.33	
10 14 19 00-0046	EA		30" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	206.64	18.08
			<i>For Installation With Adhesive, Deduct</i>	-17.57	
10 14 19 00-0047	EA		36" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	267.65	20.74
			<i>For Installation With Adhesive, Deduct</i>	-21.68	
10 14 19 00-0048	EA		48" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	487.32	27.73
			<i>For Installation With Adhesive, Deduct</i>	-35.46	
10 14 19 00-0049			Cutout Characters (10 14 19)		
10 14 19 00-0050			Satin Finish, Aluminum Characters (10 14 19 00-0049)		
10 14 19 00-0051			1/4" Deep, Satin Finish, Aluminum Characters (10 14 19 00-0050)		
10 14 19 00-0052	EA		2" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	39.36	6.03
			<i>For Installation With Adhesive, Deduct</i>	-4.38	
			<i>For Clear Anodized, Add</i>	1.53	
			<i>For Satin Face And Enameled Return, Add</i>	5.34	
			<i>For Color Anodized, Add</i>	7.63	
			<i>For Polished Or Patina Finish, Add</i>	7.63	
			<i>For Polished Anodized Finish, Add</i>	11.44	
10 14 19 00-0053	EA		4" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	54.30	7.00
			<i>For Installation With Adhesive, Deduct</i>	-5.51	
			<i>For Clear Anodized, Add</i>	2.63	
			<i>For Satin Face And Enameled Return, Add</i>	9.22	
			<i>For Color Anodized, Add</i>	13.17	
			<i>For Polished Or Patina Finish, Add</i>	13.17	
			<i>For Polished Anodized Finish, Add</i>	19.75	



Specialties	10
Information Specialties	10 10
Signage	10 14

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0054	EA		6" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	72.58	8.44
			<i>For Installation With Adhesive, Deduct</i>	-7.01	
			<i>For Clear Anodized, Add</i>	3.88	
			<i>For Satin Face And Enameled Return, Add</i>	13.58	
			<i>For Color Anodized, Add</i>	19.41	
			<i>For Polished Or Patina Finish, Add</i>	19.41	
			<i>For Polished Anodized Finish, Add</i>	29.11	
10 14 19 00-0055	EA		8" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	88.49	9.65
			<i>For Installation With Adhesive, Deduct</i>	-8.28	
			<i>For Clear Anodized, Add</i>	4.99	
			<i>For Satin Face And Enameled Return, Add</i>	17.47	
			<i>For Color Anodized, Add</i>	24.95	
			<i>For Polished Or Patina Finish, Add</i>	24.95	
			<i>For Polished Anodized Finish, Add</i>	37.43	
10 14 19 00-0056	EA		10" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	101.62	10.86
			<i>For Installation With Adhesive, Deduct</i>	-9.42	
			<i>For Clear Anodized, Add</i>	5.82	
			<i>For Satin Face And Enameled Return, Add</i>	20.37	
			<i>For Color Anodized, Add</i>	29.11	
			<i>For Polished Or Patina Finish, Add</i>	29.11	
			<i>For Polished Anodized Finish, Add</i>	43.66	
10 14 19 00-0057	EA		12" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	116.69	12.54
			<i>For Installation With Adhesive, Deduct</i>	-10.85	
			<i>For Clear Anodized, Add</i>	6.65	
			<i>For Satin Face And Enameled Return, Add</i>	23.29	
			<i>For Color Anodized, Add</i>	33.27	
			<i>For Polished Or Patina Finish, Add</i>	33.27	
			<i>For Polished Anodized Finish, Add</i>	49.90	
10 14 19 00-0058	EA		14" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	136.88	14.48
			<i>For Installation With Adhesive, Deduct</i>	-12.63	
			<i>For Clear Anodized, Add</i>	7.90	
			<i>For Satin Face And Enameled Return, Add</i>	27.65	
			<i>For Color Anodized, Add</i>	39.50	
			<i>For Polished Or Patina Finish, Add</i>	39.50	
			<i>For Polished Anodized Finish, Add</i>	59.25	
10 14 19 00-0059	EA		16" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	162.32	17.36
			<i>For Installation With Adhesive, Deduct</i>	-15.06	
			<i>For Clear Anodized, Add</i>	9.29	
			<i>For Satin Face And Enameled Return, Add</i>	32.50	
			<i>For Color Anodized, Add</i>	46.43	
			<i>For Polished Or Patina Finish, Add</i>	46.43	
			<i>For Polished Anodized Finish, Add</i>	69.65	
10 14 19 00-0060	EA		18" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	182.51	19.29
			<i>For Installation With Adhesive, Deduct</i>	-16.84	
			<i>For Clear Anodized, Add</i>	10.53	
			<i>For Satin Face And Enameled Return, Add</i>	36.87	
			<i>For Color Anodized, Add</i>	52.67	
			<i>For Polished Or Patina Finish, Add</i>	52.67	
			<i>For Polished Anodized Finish, Add</i>	79.01	
10 14 19 00-0061	EA		20" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	218.49	21.70
			<i>For Installation With Adhesive, Deduct</i>	-19.61	
			<i>For Clear Anodized, Add</i>	13.17	
			<i>For Satin Face And Enameled Return, Add</i>	46.08	
			<i>For Color Anodized, Add</i>	65.84	
			<i>For Polished Or Patina Finish, Add</i>	65.84	
			<i>For Polished Anodized Finish, Add</i>	98.75	
10 14 19 00-0062	EA		22" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	249.65	22.91
			<i>For Installation With Adhesive, Deduct</i>	-21.65	
			<i>For Clear Anodized, Add</i>	15.80	
			<i>For Satin Face And Enameled Return, Add</i>	55.30	
			<i>For Color Anodized, Add</i>	79.00	
			<i>For Polished Or Patina Finish, Add</i>	79.00	
			<i>For Polished Anodized Finish, Add</i>	118.50	
10 14 19 00-0063	EA		24" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	307.14	24.11
			<i>For Installation With Adhesive, Deduct</i>	-25.00	
			<i>For Clear Anodized, Add</i>	21.07	
			<i>For Satin Face And Enameled Return, Add</i>	73.73	
			<i>For Color Anodized, Add</i>	105.34	
			<i>For Polished Or Patina Finish, Add</i>	105.34	
			<i>For Polished Anodized Finish, Add</i>	158.00	
10 14 19 00-0064	EA		30" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	436.85	28.94
			<i>For Installation With Adhesive, Deduct</i>	-33.42	
			<i>For Clear Anodized, Add</i>	32.11	
			<i>For Satin Face And Enameled Return, Add</i>	112.38	
			<i>For Color Anodized, Add</i>	160.55	
			<i>For Polished Or Patina Finish, Add</i>	160.55	
			<i>For Polished Anodized Finish, Add</i>	240.82	
10 14 19 00-0065			3/8" Deep, Satin Finish, Aluminum Characters <small>(10 14 19 00-0050)</small>		
10 14 19 00-0066	EA		2" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	49.11	6.03
			<i>For Installation With Adhesive, Deduct</i>	-4.87	
			<i>For Clear Anodized, Add</i>	2.50	
			<i>For Satin Face And Enameled Return, Add</i>	8.75	
			<i>For Color Anodized, Add</i>	12.50	
			<i>For Polished Or Patina Finish, Add</i>	12.50	
			<i>For Polished Anodized Finish, Add</i>	18.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0067 EA 4" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	69.58	7.00
For Installation With Adhesive, Deduct	-6.28	
For Clear Anodized, Add	4.16	
For Satin Face And Enameled Return, Add	14.56	
For Color Anodized, Add	20.81	
For Polished Or Patina Finish, Add	20.81	
For Polished Anodized Finish, Add	31.21	
10 14 19 00-0068 EA 6" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	87.71	8.44
For Installation With Adhesive, Deduct	-7.76	
For Clear Anodized, Add	5.39	
For Satin Face And Enameled Return, Add	18.88	
For Color Anodized, Add	26.97	
For Polished Or Patina Finish, Add	26.97	
For Polished Anodized Finish, Add	40.46	
10 14 19 00-0069 EA 8" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	109.44	9.65
For Installation With Adhesive, Deduct	-9.33	
For Clear Anodized, Add	7.09	
For Satin Face And Enameled Return, Add	24.80	
For Color Anodized, Add	35.43	
For Polished Or Patina Finish, Add	35.43	
For Polished Anodized Finish, Add	53.14	
10 14 19 00-0070 EA 10" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	126.65	10.86
For Installation With Adhesive, Deduct	-10.67	
For Clear Anodized, Add	8.32	
For Satin Face And Enameled Return, Add	29.13	
For Color Anodized, Add	41.62	
For Polished Or Patina Finish, Add	41.62	
For Polished Anodized Finish, Add	62.43	
10 14 19 00-0071 EA 12" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	148.62	12.54
For Installation With Adhesive, Deduct	-12.45	
For Clear Anodized, Add	9.85	
For Satin Face And Enameled Return, Add	34.46	
For Color Anodized, Add	49.23	
For Polished Or Patina Finish, Add	49.23	
For Polished Anodized Finish, Add	73.85	
10 14 19 00-0072 EA 14" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	174.01	14.48
For Installation With Adhesive, Deduct	-14.49	
For Clear Anodized, Add	11.61	
For Satin Face And Enameled Return, Add	40.65	
For Color Anodized, Add	58.07	
For Polished Or Patina Finish, Add	58.07	
For Polished Anodized Finish, Add	87.10	
10 14 19 00-0073 EA 16" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	215.25	17.36
For Installation With Adhesive, Deduct	-17.71	
For Clear Anodized, Add	14.58	
For Satin Face And Enameled Return, Add	51.03	
For Color Anodized, Add	72.90	
For Polished Or Patina Finish, Add	72.90	
For Polished Anodized Finish, Add	109.34	
10 14 19 00-0074 EA 18" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	248.87	19.29
For Installation With Adhesive, Deduct	-20.16	
For Clear Anodized, Add	17.17	
For Satin Face And Enameled Return, Add	60.10	
For Color Anodized, Add	85.85	
For Polished Or Patina Finish, Add	85.85	
For Polished Anodized Finish, Add	128.78	
10 14 19 00-0075 EA 20" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	288.28	21.70
For Installation With Adhesive, Deduct	-23.10	
For Clear Anodized, Add	20.15	
For Satin Face And Enameled Return, Add	70.51	
For Color Anodized, Add	100.73	
For Polished Or Patina Finish, Add	100.73	
For Polished Anodized Finish, Add	151.10	
10 14 19 00-0076 EA 22" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	322.34	22.91
For Installation With Adhesive, Deduct	-25.28	
For Clear Anodized, Add	23.07	
For Satin Face And Enameled Return, Add	80.74	
For Color Anodized, Add	115.35	
For Polished Or Patina Finish, Add	115.35	
For Polished Anodized Finish, Add	173.02	
10 14 19 00-0077 EA 24" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	357.70	24.11
For Installation With Adhesive, Deduct	-27.53	
For Clear Anodized, Add	26.12	
For Satin Face And Enameled Return, Add	91.43	
For Color Anodized, Add	130.62	
For Polished Or Patina Finish, Add	130.62	
For Polished Anodized Finish, Add	195.92	
10 14 19 00-0078 EA 30" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	489.98	28.94
For Installation With Adhesive, Deduct	-36.08	
For Clear Anodized, Add	37.42	
For Satin Face And Enameled Return, Add	130.98	
For Color Anodized, Add	187.11	
For Polished Or Patina Finish, Add	187.11	
For Polished Anodized Finish, Add	280.67	

10 14 19 00-0079 1/2" Deep, Satin Finish, Aluminum Characters (10 14 19 00-0050)



Specialties	10
Information Specialties	10 10
Signage	10 14

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0080	EA		2" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	60.40	6.03
			<i>For Installation With Adhesive, Deduct</i>	-5.43	
			<i>For Clear Anodized, Add</i>	3.63	
			<i>For Satin Face And Enameled Return, Add</i>	12.70	
			<i>For Color Anodized, Add</i>	18.15	
			<i>For Polished Or Patina Finish, Add</i>	18.15	
			<i>For Polished Anodized Finish, Add</i>	27.22	
10 14 19 00-0081	EA		4" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	77.74	7.00
			<i>For Installation With Adhesive, Deduct</i>	-6.68	
			<i>For Clear Anodized, Add</i>	4.98	
			<i>For Satin Face And Enameled Return, Add</i>	17.42	
			<i>For Color Anodized, Add</i>	24.89	
			<i>For Polished Or Patina Finish, Add</i>	24.89	
			<i>For Polished Anodized Finish, Add</i>	37.33	
10 14 19 00-0082	EA		6" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	97.42	8.44
			<i>For Installation With Adhesive, Deduct</i>	-8.25	
			<i>For Clear Anodized, Add</i>	6.37	
			<i>For Satin Face And Enameled Return, Add</i>	22.28	
			<i>For Color Anodized, Add</i>	31.83	
			<i>For Polished Or Patina Finish, Add</i>	31.83	
			<i>For Polished Anodized Finish, Add</i>	47.74	
10 14 19 00-0083	EA		8" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	114.93	9.65
			<i>For Installation With Adhesive, Deduct</i>	-9.61	
			<i>For Clear Anodized, Add</i>	7.63	
			<i>For Satin Face And Enameled Return, Add</i>	26.72	
			<i>For Color Anodized, Add</i>	38.17	
			<i>For Polished Or Patina Finish, Add</i>	38.17	
			<i>For Polished Anodized Finish, Add</i>	57.26	
10 14 19 00-0084	EA		10" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	133.64	10.86
			<i>For Installation With Adhesive, Deduct</i>	-11.02	
			<i>For Clear Anodized, Add</i>	9.02	
			<i>For Satin Face And Enameled Return, Add</i>	31.58	
			<i>For Color Anodized, Add</i>	45.12	
			<i>For Polished Or Patina Finish, Add</i>	45.12	
			<i>For Polished Anodized Finish, Add</i>	67.67	
10 14 19 00-0085	EA		12" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	163.92	12.54
			<i>For Installation With Adhesive, Deduct</i>	-13.21	
			<i>For Clear Anodized, Add</i>	11.38	
			<i>For Satin Face And Enameled Return, Add</i>	39.82	
			<i>For Color Anodized, Add</i>	56.88	
			<i>For Polished Or Patina Finish, Add</i>	56.88	
			<i>For Polished Anodized Finish, Add</i>	85.32	
10 14 19 00-0086	EA		14" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	201.66	14.48
			<i>For Installation With Adhesive, Deduct</i>	-15.87	
			<i>For Clear Anodized, Add</i>	14.38	
			<i>For Satin Face And Enameled Return, Add</i>	50.32	
			<i>For Color Anodized, Add</i>	71.89	
			<i>For Polished Or Patina Finish, Add</i>	71.89	
			<i>For Polished Anodized Finish, Add</i>	107.84	
10 14 19 00-0087	EA		16" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	244.04	17.36
			<i>For Installation With Adhesive, Deduct</i>	-19.15	
			<i>For Clear Anodized, Add</i>	17.46	
			<i>For Satin Face And Enameled Return, Add</i>	61.10	
			<i>For Color Anodized, Add</i>	87.29	
			<i>For Polished Or Patina Finish, Add</i>	87.29	
			<i>For Polished Anodized Finish, Add</i>	130.94	
10 14 19 00-0088	EA		18" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	295.22	19.29
			<i>For Installation With Adhesive, Deduct</i>	-22.48	
			<i>For Clear Anodized, Add</i>	21.81	
			<i>For Satin Face And Enameled Return, Add</i>	76.32	
			<i>For Color Anodized, Add</i>	109.03	
			<i>For Polished Or Patina Finish, Add</i>	109.03	
			<i>For Polished Anodized Finish, Add</i>	163.54	
10 14 19 00-0089	EA		20" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	347.53	21.70
			<i>For Installation With Adhesive, Deduct</i>	-26.06	
			<i>For Clear Anodized, Add</i>	26.07	
			<i>For Satin Face And Enameled Return, Add</i>	91.25	
			<i>For Color Anodized, Add</i>	130.36	
			<i>For Polished Or Patina Finish, Add</i>	130.36	
			<i>For Polished Anodized Finish, Add</i>	195.53	
10 14 19 00-0090	EA		22" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	398.18	22.91
			<i>For Installation With Adhesive, Deduct</i>	-29.07	
			<i>For Clear Anodized, Add</i>	30.65	
			<i>For Satin Face And Enameled Return, Add</i>	107.29	
			<i>For Color Anodized, Add</i>	153.27	
			<i>For Polished Or Patina Finish, Add</i>	153.27	
			<i>For Polished Anodized Finish, Add</i>	229.90	
10 14 19 00-0091	EA		24" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	446.19	24.11
			<i>For Installation With Adhesive, Deduct</i>	-31.96	
			<i>For Clear Anodized, Add</i>	34.97	
			<i>For Satin Face And Enameled Return, Add</i>	122.40	
			<i>For Color Anodized, Add</i>	174.86	
			<i>For Polished Or Patina Finish, Add</i>	174.86	
			<i>For Polished Anodized Finish, Add</i>	262.29	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0092	EA		30" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	617.21	28.94
			<i>For Installation With Adhesive, Deduct</i>	-42.44	
			<i>For Clear Anodized, Add</i>	50.15	
			<i>For Satin Face And Enameled Return, Add</i>	175.51	
			<i>For Color Anodized, Add</i>	250.73	
			<i>For Polished Or Patina Finish, Add</i>	250.73	
			<i>For Polished Anodized Finish, Add</i>	376.09	
10 14 19 00-0093			3/4" Deep, Satin Finish, Aluminum Characters <small>(10 14 19 00-0050)</small>		
10 14 19 00-0094	EA		2" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	62.99	6.03
			<i>For Installation With Adhesive, Deduct</i>	-5.56	
			<i>For Clear Anodized, Add</i>	3.89	
			<i>For Satin Face And Enameled Return, Add</i>	13.61	
			<i>For Color Anodized, Add</i>	19.44	
			<i>For Polished Or Patina Finish, Add</i>	19.44	
			<i>For Polished Anodized Finish, Add</i>	29.16	
10 14 19 00-0095	EA		4" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	80.64	7.00
			<i>For Installation With Adhesive, Deduct</i>	-6.83	
			<i>For Clear Anodized, Add</i>	5.27	
			<i>For Satin Face And Enameled Return, Add</i>	18.43	
			<i>For Color Anodized, Add</i>	26.34	
			<i>For Polished Or Patina Finish, Add</i>	26.34	
			<i>For Polished Anodized Finish, Add</i>	39.50	
10 14 19 00-0096	EA		6" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	105.95	8.44
			<i>For Installation With Adhesive, Deduct</i>	-8.67	
			<i>For Clear Anodized, Add</i>	7.22	
			<i>For Satin Face And Enameled Return, Add</i>	25.26	
			<i>For Color Anodized, Add</i>	36.09	
			<i>For Polished Or Patina Finish, Add</i>	36.09	
			<i>For Polished Anodized Finish, Add</i>	54.14	
10 14 19 00-0097	EA		8" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	139.88	9.65
			<i>For Installation With Adhesive, Deduct</i>	-10.85	
			<i>For Clear Anodized, Add</i>	10.13	
			<i>For Satin Face And Enameled Return, Add</i>	35.45	
			<i>For Color Anodized, Add</i>	50.65	
			<i>For Polished Or Patina Finish, Add</i>	50.65	
			<i>For Polished Anodized Finish, Add</i>	75.97	
10 14 19 00-0098	EA		10" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	174.97	10.86
			<i>For Installation With Adhesive, Deduct</i>	-13.09	
			<i>For Clear Anodized, Add</i>	13.16	
			<i>For Satin Face And Enameled Return, Add</i>	46.05	
			<i>For Color Anodized, Add</i>	65.78	
			<i>For Polished Or Patina Finish, Add</i>	65.78	
			<i>For Polished Anodized Finish, Add</i>	98.67	
10 14 19 00-0099	EA		12" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	219.14	12.54
			<i>For Installation With Adhesive, Deduct</i>	-15.97	
			<i>For Clear Anodized, Add</i>	16.90	
			<i>For Satin Face And Enameled Return, Add</i>	59.14	
			<i>For Color Anodized, Add</i>	84.49	
			<i>For Polished Or Patina Finish, Add</i>	84.49	
			<i>For Polished Anodized Finish, Add</i>	126.74	
10 14 19 00-0100	EA		14" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	272.77	14.48
			<i>For Installation With Adhesive, Deduct</i>	-19.43	
			<i>For Clear Anodized, Add</i>	21.49	
			<i>For Satin Face And Enameled Return, Add</i>	75.21	
			<i>For Color Anodized, Add</i>	107.45	
			<i>For Polished Or Patina Finish, Add</i>	107.45	
			<i>For Polished Anodized Finish, Add</i>	161.17	
10 14 19 00-0101	EA		16" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	336.90	17.36
			<i>For Installation With Adhesive, Deduct</i>	-23.79	
			<i>For Clear Anodized, Add</i>	26.74	
			<i>For Satin Face And Enameled Return, Add</i>	93.60	
			<i>For Color Anodized, Add</i>	133.72	
			<i>For Polished Or Patina Finish, Add</i>	133.72	
			<i>For Polished Anodized Finish, Add</i>	200.58	
10 14 19 00-0102	EA		18" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	411.09	19.29
			<i>For Installation With Adhesive, Deduct</i>	-28.27	
			<i>For Clear Anodized, Add</i>	33.39	
			<i>For Satin Face And Enameled Return, Add</i>	116.87	
			<i>For Color Anodized, Add</i>	166.96	
			<i>For Polished Or Patina Finish, Add</i>	166.96	
			<i>For Polished Anodized Finish, Add</i>	250.44	
10 14 19 00-0103	EA		20" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	488.41	21.70
			<i>For Installation With Adhesive, Deduct</i>	-33.10	
			<i>For Clear Anodized, Add</i>	40.16	
			<i>For Satin Face And Enameled Return, Add</i>	140.56	
			<i>For Color Anodized, Add</i>	200.80	
			<i>For Polished Or Patina Finish, Add</i>	200.80	
			<i>For Polished Anodized Finish, Add</i>	301.19	
10 14 19 00-0104	EA		22" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	565.66	22.91
			<i>For Installation With Adhesive, Deduct</i>	-37.45	
			<i>For Clear Anodized, Add</i>	47.40	
			<i>For Satin Face And Enameled Return, Add</i>	165.90	
			<i>For Color Anodized, Add</i>	237.01	
			<i>For Polished Or Patina Finish, Add</i>	237.01	
			<i>For Polished Anodized Finish, Add</i>	355.51	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0105 EA 24" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	646.32	24.11
For Installation With Adhesive, Deduct	-41.96	
For Clear Anodized, Add	54.99	
For Satin Face And Enameled Return, Add	192.45	
For Color Anodized, Add	274.93	
For Polished Or Patina Finish, Add	274.93	
For Polished Anodized Finish, Add	412.39	
10 14 19 00-0106 EA 30" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	886.65	28.94
For Installation With Adhesive, Deduct	-55.91	
For Clear Anodized, Add	77.09	
For Satin Face And Enameled Return, Add	269.81	
For Color Anodized, Add	385.45	
For Polished Or Patina Finish, Add	385.45	
For Polished Anodized Finish, Add	578.17	
10 14 19 00-0107 1" Deep, Satin Finish, Aluminum Characters <small>(10 14 19 00-0050)</small>		
10 14 19 00-0108 EA 2" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	69.85	6.03
For Installation With Adhesive, Deduct	-5.90	
For Clear Anodized, Add	4.57	
For Satin Face And Enameled Return, Add	16.01	
For Color Anodized, Add	22.87	
For Polished Or Patina Finish, Add	22.87	
For Polished Anodized Finish, Add	34.31	
10 14 19 00-0109 EA 4" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	86.17	7.00
For Installation With Adhesive, Deduct	-7.11	
For Clear Anodized, Add	5.82	
For Satin Face And Enameled Return, Add	20.37	
For Color Anodized, Add	29.10	
For Polished Or Patina Finish, Add	29.10	
For Polished Anodized Finish, Add	43.65	
10 14 19 00-0110 EA 6" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	112.94	8.44
For Installation With Adhesive, Deduct	-9.02	
For Clear Anodized, Add	7.92	
For Satin Face And Enameled Return, Add	27.71	
For Color Anodized, Add	39.59	
For Polished Or Patina Finish, Add	39.59	
For Polished Anodized Finish, Add	59.38	
10 14 19 00-0111 EA 8" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	153.85	9.65
For Installation With Adhesive, Deduct	-11.55	
For Clear Anodized, Add	11.53	
For Satin Face And Enameled Return, Add	40.34	
For Color Anodized, Add	57.63	
For Polished Or Patina Finish, Add	57.63	
For Polished Anodized Finish, Add	86.45	
10 14 19 00-0112 EA 10" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	208.15	10.86
For Installation With Adhesive, Deduct	-14.75	
For Clear Anodized, Add	16.47	
For Satin Face And Enameled Return, Add	57.66	
For Color Anodized, Add	82.37	
For Polished Or Patina Finish, Add	82.37	
For Polished Anodized Finish, Add	123.56	
10 14 19 00-0113 EA 12" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	271.70	12.54
For Installation With Adhesive, Deduct	-18.60	
For Clear Anodized, Add	22.15	
For Satin Face And Enameled Return, Add	77.54	
For Color Anodized, Add	110.77	
For Polished Or Patina Finish, Add	110.77	
For Polished Anodized Finish, Add	166.16	
10 14 19 00-0114 EA 14" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	343.08	14.48
For Installation With Adhesive, Deduct	-22.94	
For Clear Anodized, Add	28.52	
For Satin Face And Enameled Return, Add	99.82	
For Color Anodized, Add	142.60	
For Polished Or Patina Finish, Add	142.60	
For Polished Anodized Finish, Add	213.90	
10 14 19 00-0115 EA 16" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	426.05	17.36
For Installation With Adhesive, Deduct	-28.25	
For Clear Anodized, Add	35.66	
For Satin Face And Enameled Return, Add	124.81	
For Color Anodized, Add	178.30	
For Polished Or Patina Finish, Add	178.30	
For Polished Anodized Finish, Add	267.44	
10 14 19 00-0116 EA 18" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	515.37	19.29
For Installation With Adhesive, Deduct	-33.49	
For Clear Anodized, Add	43.82	
For Satin Face And Enameled Return, Add	153.37	
For Color Anodized, Add	219.10	
For Polished Or Patina Finish, Add	219.10	
For Polished Anodized Finish, Add	328.65	
10 14 19 00-0117 EA 20" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	633.25	21.70
For Installation With Adhesive, Deduct	-40.34	
For Clear Anodized, Add	54.64	
For Satin Face And Enameled Return, Add	191.25	
For Color Anodized, Add	273.22	
For Polished Or Patina Finish, Add	273.22	
For Polished Anodized Finish, Add	409.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0118 EA 22" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	753.69	22.91
For Installation With Adhesive, Deduct	-46.85	
For Clear Anodized, Add	66.20	
For Satin Face And Enameled Return, Add	231.71	
For Color Anodized, Add	331.02	
For Polished Or Patina Finish, Add	331.02	
For Polished Anodized Finish, Add	496.53	
10 14 19 00-0119 EA 24" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	888.60	24.11
For Installation With Adhesive, Deduct	-54.08	
For Clear Anodized, Add	79.21	
For Satin Face And Enameled Return, Add	277.25	
For Color Anodized, Add	396.07	
For Polished Or Patina Finish, Add	396.07	
For Polished Anodized Finish, Add	594.10	
10 14 19 00-0120 EA 30" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	1,253.39	28.94
For Installation With Adhesive, Deduct	-74.25	
For Clear Anodized, Add	113.76	
For Satin Face And Enameled Return, Add	398.17	
For Color Anodized, Add	568.82	
For Polished Or Patina Finish, Add	568.82	
For Polished Anodized Finish, Add	853.22	
10 14 19 00-0121 Satin Finish, Brass Characters (10 14 19 00-0049)		
10 14 19 00-0122 1/4" Deep, Satin Finish, Brass Characters (10 14 19 00-0121)		
10 14 19 00-0123 EA 2" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	53.00	6.03
For Installation With Adhesive, Deduct	-5.06	
For Oxidized Finish, Add	4.33	
For Polished Finish, Add	8.67	
10 14 19 00-0124 EA 4" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	68.17	7.00
For Installation With Adhesive, Deduct	-6.21	
For Oxidized Finish, Add	6.03	
For Polished Finish, Add	12.06	
10 14 19 00-0125 EA 6" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	93.62	8.44
For Installation With Adhesive, Deduct	-8.06	
For Oxidized Finish, Add	8.98	
For Polished Finish, Add	17.96	
10 14 19 00-0126 EA 8" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	122.17	9.65
For Installation With Adhesive, Deduct	-9.97	
For Oxidized Finish, Add	12.54	
For Polished Finish, Add	25.07	
10 14 19 00-0127 EA 10" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	155.88	10.86
For Installation With Adhesive, Deduct	-12.14	
For Oxidized Finish, Add	16.87	
For Polished Finish, Add	33.74	
10 14 19 00-0128 EA 12" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	196.68	12.54
For Installation With Adhesive, Deduct	-14.85	
For Oxidized Finish, Add	21.98	
For Polished Finish, Add	43.96	
10 14 19 00-0129 EA 14" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	245.67	14.48
For Installation With Adhesive, Deduct	-18.07	
For Oxidized Finish, Add	28.17	
For Polished Finish, Add	56.34	
10 14 19 00-0130 EA 16" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	299.56	17.36
For Installation With Adhesive, Deduct	-21.92	
For Oxidized Finish, Add	34.52	
For Polished Finish, Add	69.03	
10 14 19 00-0131 EA 18" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	363.13	19.29
For Installation With Adhesive, Deduct	-25.87	
For Oxidized Finish, Add	42.89	
For Polished Finish, Add	85.79	
10 14 19 00-0132 EA 20" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	431.45	21.70
For Installation With Adhesive, Deduct	-30.25	
For Oxidized Finish, Add	51.69	
For Polished Finish, Add	103.39	
10 14 19 00-0133 EA 22" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	529.15	22.91
For Installation With Adhesive, Deduct	-35.62	
For Oxidized Finish, Add	65.63	
For Polished Finish, Add	131.25	
10 14 19 00-0134 EA 24" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	579.96	24.11
For Installation With Adhesive, Deduct	-38.65	
For Oxidized Finish, Add	72.52	
For Polished Finish, Add	145.05	
10 14 19 00-0135 EA 30" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	869.63	28.94
For Installation With Adhesive, Deduct	-55.06	
For Oxidized Finish, Add	113.08	
For Polished Finish, Add	226.16	
10 14 19 00-0136 3/8" Deep, Satin Finish, Brass Characters (10 14 19 00-0121)		
10 14 19 00-0137 EA 2" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	63.11	6.03
For Installation With Adhesive, Deduct	-5.57	
For Oxidized Finish, Add	5.85	
For Polished Finish, Add	11.70	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0138 EA 4" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	82.24	7.00
For Installation With Adhesive, Deduct	-6.91	
For Oxidized Finish, Add	8.14	
For Polished Finish, Add	16.28	
10 14 19 00-0139 EA 6" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	117.55	8.44
For Installation With Adhesive, Deduct	-9.25	
For Oxidized Finish, Add	12.57	
For Polished Finish, Add	25.13	
10 14 19 00-0140 EA 8" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	155.60	9.65
For Installation With Adhesive, Deduct	-11.64	
For Oxidized Finish, Add	17.55	
For Polished Finish, Add	35.10	
10 14 19 00-0141 EA 10" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	206.49	10.86
For Installation With Adhesive, Deduct	-14.67	
For Oxidized Finish, Add	24.46	
For Polished Finish, Add	48.92	
10 14 19 00-0142 EA 12" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	262.61	12.54
For Installation With Adhesive, Deduct	-18.15	
For Oxidized Finish, Add	31.87	
For Polished Finish, Add	63.74	
10 14 19 00-0143 EA 14" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	330.18	14.48
For Installation With Adhesive, Deduct	-22.30	
For Oxidized Finish, Add	40.85	
For Polished Finish, Add	81.69	
10 14 19 00-0144 EA 16" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	391.60	17.36
For Installation With Adhesive, Deduct	-26.53	
For Oxidized Finish, Add	48.32	
For Polished Finish, Add	96.64	
10 14 19 00-0145 EA 18" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	491.82	19.29
For Installation With Adhesive, Deduct	-32.31	
For Oxidized Finish, Add	62.20	
For Polished Finish, Add	124.40	
10 14 19 00-0146 EA 20" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	569.30	21.70
For Installation With Adhesive, Deduct	-37.15	
For Oxidized Finish, Add	72.37	
For Polished Finish, Add	144.74	
10 14 19 00-0147 EA 22" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	699.77	22.91
For Installation With Adhesive, Deduct	-44.15	
For Oxidized Finish, Add	91.22	
For Polished Finish, Add	182.44	
10 14 19 00-0148 EA 24" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	797.52	24.11
For Installation With Adhesive, Deduct	-49.52	
For Oxidized Finish, Add	105.16	
For Polished Finish, Add	210.32	
10 14 19 00-0149 EA 30" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,103.34	28.94
For Installation With Adhesive, Deduct	-66.74	
For Oxidized Finish, Add	148.14	
For Polished Finish, Add	296.27	
10 14 19 00-0150 1/2" Deep, Satin Finish, Brass Characters <small>(10 14 19 00-0121)</small>	79.00	
10 14 19 00-0151 EA 2" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	79.00	6.03
For Installation With Adhesive, Deduct	-6.36	
For Oxidized Finish, Add	8.23	
For Polished Finish, Add	16.47	
10 14 19 00-0152 EA 4" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	102.34	7.00
For Installation With Adhesive, Deduct	-7.91	
For Oxidized Finish, Add	11.16	
For Polished Finish, Add	22.31	
10 14 19 00-0153 EA 6" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	147.48	8.44
For Installation With Adhesive, Deduct	-10.75	
For Oxidized Finish, Add	17.06	
For Polished Finish, Add	34.11	
10 14 19 00-0154 EA 8" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	201.57	9.65
For Installation With Adhesive, Deduct	-13.94	
For Oxidized Finish, Add	24.45	
For Polished Finish, Add	48.89	
10 14 19 00-0155 EA 10" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	279.60	10.86
For Installation With Adhesive, Deduct	-18.32	
For Oxidized Finish, Add	35.43	
For Polished Finish, Add	70.86	
10 14 19 00-0156 EA 12" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	372.50	12.54
For Installation With Adhesive, Deduct	-23.64	
For Oxidized Finish, Add	48.35	
For Polished Finish, Add	96.70	
10 14 19 00-0157 EA 14" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	461.64	14.48
For Installation With Adhesive, Deduct	-28.87	
For Oxidized Finish, Add	60.56	
For Polished Finish, Add	121.13	
10 14 19 00-0158 EA 16" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	550.36	17.36
For Installation With Adhesive, Deduct	-34.46	
For Oxidized Finish, Add	72.14	
For Polished Finish, Add	144.27	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0159	EA		18" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	749.19	19.29
			<i>For Installation With Adhesive, Deduct</i>	-45.18	
			<i>For Oxidized Finish, Add</i>	100.80	
			<i>For Polished Finish, Add</i>	201.61	
10 14 19 00-0160	EA		20" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	845.01	21.70
			<i>For Installation With Adhesive, Deduct</i>	-50.93	
			<i>For Oxidized Finish, Add</i>	113.73	
			<i>For Polished Finish, Add</i>	227.46	
10 14 19 00-0161	EA		22" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,054.14	22.91
			<i>For Installation With Adhesive, Deduct</i>	-61.87	
			<i>For Oxidized Finish, Add</i>	144.37	
			<i>For Polished Finish, Add</i>	288.75	
10 14 19 00-0162	EA		24" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,232.66	24.11
			<i>For Installation With Adhesive, Deduct</i>	-71.28	
			<i>For Oxidized Finish, Add</i>	170.43	
			<i>For Polished Finish, Add</i>	340.86	
10 14 19 00-0163	EA		30" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,857.21	28.94
			<i>For Installation With Adhesive, Deduct</i>	-104.44	
			<i>For Oxidized Finish, Add</i>	261.22	
			<i>For Polished Finish, Add</i>	522.44	
10 14 19 00-0164			3/4" Deep, Satin Finish, Brass Characters <small>(10 14 19 00-0121)</small>		
10 14 19 00-0165	EA		2" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	96.34	6.03
			<i>For Installation With Adhesive, Deduct</i>	-7.23	
			<i>For Oxidized Finish, Add</i>	10.83	
			<i>For Polished Finish, Add</i>	21.67	
10 14 19 00-0166	EA		4" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	134.51	7.00
			<i>For Installation With Adhesive, Deduct</i>	-9.52	
			<i>For Oxidized Finish, Add</i>	15.98	
			<i>For Polished Finish, Add</i>	31.96	
10 14 19 00-0167	EA		6" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	183.39	8.44
			<i>For Installation With Adhesive, Deduct</i>	-12.55	
			<i>For Oxidized Finish, Add</i>	22.44	
			<i>For Polished Finish, Add</i>	44.89	
10 14 19 00-0168	EA		8" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	247.54	9.65
			<i>For Installation With Adhesive, Deduct</i>	-16.24	
			<i>For Oxidized Finish, Add</i>	31.34	
			<i>For Polished Finish, Add</i>	62.69	
10 14 19 00-0169	EA		10" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	335.83	10.86
			<i>For Installation With Adhesive, Deduct</i>	-21.13	
			<i>For Oxidized Finish, Add</i>	43.86	
			<i>For Polished Finish, Add</i>	87.73	
10 14 19 00-0170	EA		12" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	460.42	12.54
			<i>For Installation With Adhesive, Deduct</i>	-28.04	
			<i>For Oxidized Finish, Add</i>	61.54	
			<i>For Polished Finish, Add</i>	123.08	
10 14 19 00-0171	EA		14" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	574.31	14.48
			<i>For Installation With Adhesive, Deduct</i>	-34.50	
			<i>For Oxidized Finish, Add</i>	77.46	
			<i>For Polished Finish, Add</i>	154.93	
10 14 19 00-0172	EA		16" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	670.02	17.36
			<i>For Installation With Adhesive, Deduct</i>	-40.45	
			<i>For Oxidized Finish, Add</i>	90.08	
			<i>For Polished Finish, Add</i>	180.17	
10 14 19 00-0173	EA		18" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	892.17	19.29
			<i>For Installation With Adhesive, Deduct</i>	-52.33	
			<i>For Oxidized Finish, Add</i>	122.25	
			<i>For Polished Finish, Add</i>	244.50	
10 14 19 00-0174	EA		20" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	975.97	21.70
			<i>For Installation With Adhesive, Deduct</i>	-57.48	
			<i>For Oxidized Finish, Add</i>	133.37	
			<i>For Polished Finish, Add</i>	266.75	
10 14 19 00-0175	EA		22" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,237.89	22.91
			<i>For Installation With Adhesive, Deduct</i>	-71.06	
			<i>For Oxidized Finish, Add</i>	171.94	
			<i>For Polished Finish, Add</i>	343.87	
10 14 19 00-0176	EA		24" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,571.10	24.11
			<i>For Installation With Adhesive, Deduct</i>	-88.20	
			<i>For Oxidized Finish, Add</i>	221.19	
			<i>For Polished Finish, Add</i>	442.39	
10 14 19 00-0177	EA		30" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	2,369.84	28.94
			<i>For Installation With Adhesive, Deduct</i>	-130.07	
			<i>For Oxidized Finish, Add</i>	338.11	
			<i>For Polished Finish, Add</i>	676.22	
10 14 19 00-0178			Satin Finish, Bronze Characters <small>(10 14 19 00-0049)</small>		
10 14 19 00-0179			1/4" Deep, Satin Finish, Bronze Characters <small>(10 14 19 00-0178)</small>		
10 14 19 00-0180	EA		2" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	56.41	6.03
			<i>For Installation With Adhesive, Deduct</i>	-5.23	
			<i>For Oxidized Finish, Add</i>	4.85	
			<i>For Polished Or Patina Finish, Add</i>	9.69	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0181	EA		4" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs 72.95		7.00
			<i>For Installation With Adhesive, Deduct</i>	-6.44	
			<i>For Oxidized Finish, Add</i>	6.75	
			<i>For Polished Or Patina Finish, Add</i>	13.49	
10 14 19 00-0182	EA		6" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs 100.67		8.44
			<i>For Installation With Adhesive, Deduct</i>	-8.41	
			<i>For Oxidized Finish, Add</i>	10.04	
			<i>For Polished Or Patina Finish, Add</i>	20.07	
10 14 19 00-0183	EA		8" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs 132.02		9.65
			<i>For Installation With Adhesive, Deduct</i>	-10.46	
			<i>For Oxidized Finish, Add</i>	14.01	
			<i>For Polished Or Patina Finish, Add</i>	28.03	
10 14 19 00-0184	EA		10" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs 169.13		10.86
			<i>For Installation With Adhesive, Deduct</i>	-12.80	
			<i>For Oxidized Finish, Add</i>	18.86	
			<i>For Polished Or Patina Finish, Add</i>	37.72	
10 14 19 00-0185	EA		12" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs 213.95		12.54
			<i>For Installation With Adhesive, Deduct</i>	-15.71	
			<i>For Oxidized Finish, Add</i>	24.57	
			<i>For Polished Or Patina Finish, Add</i>	49.14	
10 14 19 00-0186	EA		14" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs 267.81		14.48
			<i>For Installation With Adhesive, Deduct</i>	-19.18	
			<i>For Oxidized Finish, Add</i>	31.49	
			<i>For Polished Or Patina Finish, Add</i>	62.98	
10 14 19 00-0187	EA		16" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs 332.44		17.36
			<i>For Installation With Adhesive, Deduct</i>	-23.57	
			<i>For Oxidized Finish, Add</i>	39.45	
			<i>For Polished Or Patina Finish, Add</i>	78.89	
10 14 19 00-0188	EA		18" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs 397.83		19.29
			<i>For Installation With Adhesive, Deduct</i>	-27.61	
			<i>For Oxidized Finish, Add</i>	48.10	
			<i>For Polished Or Patina Finish, Add</i>	96.20	
10 14 19 00-0189	EA		20" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs 472.07		21.70
			<i>For Installation With Adhesive, Deduct</i>	-32.29	
			<i>For Oxidized Finish, Add</i>	57.79	
			<i>For Polished Or Patina Finish, Add</i>	115.58	
10 14 19 00-0190	EA		22" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs 550.72		22.91
			<i>For Installation With Adhesive, Deduct</i>	-36.70	
			<i>For Oxidized Finish, Add</i>	68.86	
			<i>For Polished Or Patina Finish, Add</i>	137.72	
10 14 19 00-0191	EA		24" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs 637.43		24.11
			<i>For Installation With Adhesive, Deduct</i>	-41.52	
			<i>For Oxidized Finish, Add</i>	81.14	
			<i>For Polished Or Patina Finish, Add</i>	162.29	
10 14 19 00-0192	EA		30" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs 967.00		28.94
			<i>For Installation With Adhesive, Deduct</i>	-59.93	
			<i>For Oxidized Finish, Add</i>	127.69	
			<i>For Polished Or Patina Finish, Add</i>	255.37	
10 14 19 00-0193			3/8" Deep, Satin Finish, Bronze Characters <small>(10 14 19 00-0178)</small>		
10 14 19 00-0194	EA		2" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs 66.74		6.03
			<i>For Installation With Adhesive, Deduct</i>	-5.75	
			<i>For Oxidized Finish, Add</i>	6.39	
			<i>For Polished Or Patina Finish, Add</i>	12.79	
10 14 19 00-0195	EA		4" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs 86.90		7.00
			<i>For Installation With Adhesive, Deduct</i>	-7.14	
			<i>For Oxidized Finish, Add</i>	8.84	
			<i>For Polished Or Patina Finish, Add</i>	17.68	
10 14 19 00-0196	EA		6" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs 126.09		8.44
			<i>For Installation With Adhesive, Deduct</i>	-9.68	
			<i>For Oxidized Finish, Add</i>	13.85	
			<i>For Polished Or Patina Finish, Add</i>	27.70	
10 14 19 00-0197	EA		8" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs 166.59		9.65
			<i>For Installation With Adhesive, Deduct</i>	-12.19	
			<i>For Oxidized Finish, Add</i>	19.20	
			<i>For Polished Or Patina Finish, Add</i>	38.40	
10 14 19 00-0198	EA		10" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs 225.71		10.86
			<i>For Installation With Adhesive, Deduct</i>	-15.63	
			<i>For Oxidized Finish, Add</i>	27.35	
			<i>For Polished Or Patina Finish, Add</i>	54.69	
10 14 19 00-0199	EA		12" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs 286.01		12.54
			<i>For Installation With Adhesive, Deduct</i>	-19.32	
			<i>For Oxidized Finish, Add</i>	35.38	
			<i>For Polished Or Patina Finish, Add</i>	70.76	
10 14 19 00-0200	EA		14" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs 358.07		14.48
			<i>For Installation With Adhesive, Deduct</i>	-23.69	
			<i>For Oxidized Finish, Add</i>	45.03	
			<i>For Polished Or Patina Finish, Add</i>	90.06	
10 14 19 00-0201	EA		16" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs 442.90		17.36
			<i>For Installation With Adhesive, Deduct</i>	-29.09	
			<i>For Oxidized Finish, Add</i>	56.02	
			<i>For Polished Or Patina Finish, Add</i>	112.03	

10 Specialties
10 10 Information Specialties
 10 14 Signage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0202 EA 18" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	535.71	19.29
For Installation With Adhesive, Deduct	-34.50	
For Oxidized Finish, Add	68.78	
For Polished Or Patina Finish, Add	137.56	
10 14 19 00-0203 EA 20" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	637.72	21.70
For Installation With Adhesive, Deduct	-40.57	
For Oxidized Finish, Add	82.64	
For Polished Or Patina Finish, Add	165.27	
10 14 19 00-0204 EA 22" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	748.12	22.91
For Installation With Adhesive, Deduct	-46.57	
For Oxidized Finish, Add	98.47	
For Polished Or Patina Finish, Add	196.94	
10 14 19 00-0205 EA 24" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	848.41	24.11
For Installation With Adhesive, Deduct	-52.07	
For Oxidized Finish, Add	112.79	
For Polished Or Patina Finish, Add	225.58	
10 14 19 00-0206 EA 30" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,162.78	28.94
For Installation With Adhesive, Deduct	-69.72	
For Oxidized Finish, Add	157.05	
For Polished Or Patina Finish, Add	314.11	
10 14 19 00-0207 1/2" Deep, Satin Finish, Bronze Characters (10 14 19 00-0178)		
10 14 19 00-0208 EA 2" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	69.00	6.03
For Installation With Adhesive, Deduct	-5.86	
For Oxidized Finish, Add	6.73	
For Polished Or Patina Finish, Add	13.47	
10 14 19 00-0209 EA 4" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	103.09	7.00
For Installation With Adhesive, Deduct	-7.95	
For Oxidized Finish, Add	11.27	
For Polished Or Patina Finish, Add	22.54	
10 14 19 00-0210 EA 6" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	146.83	8.44
For Installation With Adhesive, Deduct	-10.72	
For Oxidized Finish, Add	16.96	
For Polished Or Patina Finish, Add	33.92	
10 14 19 00-0211 EA 8" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	202.09	9.65
For Installation With Adhesive, Deduct	-13.96	
For Oxidized Finish, Add	24.53	
For Polished Or Patina Finish, Add	49.05	
10 14 19 00-0212 EA 10" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	276.00	10.86
For Installation With Adhesive, Deduct	-18.14	
For Oxidized Finish, Add	34.89	
For Polished Or Patina Finish, Add	69.78	
10 14 19 00-0213 EA 12" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	376.10	12.54
For Installation With Adhesive, Deduct	-23.82	
For Oxidized Finish, Add	48.89	
For Polished Or Patina Finish, Add	97.78	
10 14 19 00-0214 EA 14" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	488.23	14.48
For Installation With Adhesive, Deduct	-30.20	
For Oxidized Finish, Add	64.55	
For Polished Or Patina Finish, Add	129.11	
10 14 19 00-0215 EA 16" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	611.21	17.36
For Installation With Adhesive, Deduct	-37.51	
For Oxidized Finish, Add	81.26	
For Polished Or Patina Finish, Add	162.53	
10 14 19 00-0216 EA 18" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	750.55	19.29
For Installation With Adhesive, Deduct	-45.24	
For Oxidized Finish, Add	101.01	
For Polished Or Patina Finish, Add	202.01	
10 14 19 00-0217 EA 20" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	899.69	21.70
For Installation With Adhesive, Deduct	-53.67	
For Oxidized Finish, Add	121.93	
For Polished Or Patina Finish, Add	243.86	
10 14 19 00-0218 EA 22" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,064.87	22.91
For Installation With Adhesive, Deduct	-62.41	
For Oxidized Finish, Add	145.98	
For Polished Or Patina Finish, Add	291.97	
10 14 19 00-0219 EA 24" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,237.90	24.11
For Installation With Adhesive, Deduct	-71.54	
For Oxidized Finish, Add	171.21	
For Polished Or Patina Finish, Add	342.43	
10 14 19 00-0220 EA 30" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,733.11	28.94
For Installation With Adhesive, Deduct	-98.23	
For Oxidized Finish, Add	242.60	
For Polished Or Patina Finish, Add	485.21	
10 14 19 00-0221 Satin Finish, Copper Characters (10 14 19 00-0049)		
10 14 19 00-0222 1/4" Deep, Satin Finish, Copper Characters (10 14 19 00-0221)		
10 14 19 00-0223 EA 2" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	53.00	6.03
For Installation With Adhesive, Deduct	-5.06	
For Polished Finish, Add	8.67	
10 14 19 00-0224 EA 4" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	69.24	7.00
For Installation With Adhesive, Deduct	-6.26	
For Polished Finish, Add	12.38	



		Specialties	10
		Information Specialties	10 10
		Signage	10 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0225	EA	6"	High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	97.74 -8.26 19.19	8.44
10 14 19 00-0226	EA	8"	High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	129.39 -10.33 27.24	9.65
10 14 19 00-0227	EA	10"	High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	164.13 -12.55 36.22	10.86
10 14 19 00-0228	EA	12"	High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	209.06 -15.47 47.67	12.54
10 14 19 00-0229	EA	14"	High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	262.18 -18.90 61.29	14.48
10 14 19 00-0230	EA	16"	High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	323.29 -23.11 76.15	17.36
10 14 19 00-0231	EA	18"	High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	387.75 -27.10 93.17	19.29
10 14 19 00-0232	EA	20"	High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	459.31 -31.65 111.75	21.70
10 14 19 00-0233	EA	22"	High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	536.38 -35.98 133.42	22.91
10 14 19 00-0234	EA	24"	High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	619.61 -40.63 156.94	24.11
10 14 19 00-0235	EA	30"	High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	890.12 -56.08 232.31	28.94
10 14 19 00-0236 3/8" Deep, Satin Finish, Copper Characters (10 14 19 00-0221)					
10 14 19 00-0237	EA	2"	High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	60.22 -5.42 10.83	6.03
10 14 19 00-0238	EA	4"	High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	81.63 -6.88 16.10	7.00
10 14 19 00-0239	EA	6"	High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	120.13 -9.38 25.91	8.44
10 14 19 00-0240	EA	8"	High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	165.71 -12.14 38.14	9.65
10 14 19 00-0241	EA	10"	High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	224.50 -15.57 54.33	10.86
10 14 19 00-0242	EA	12"	High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	280.57 -19.04 69.12	12.54
10 14 19 00-0243	EA	14"	High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	354.12 -23.49 88.87	14.48
10 14 19 00-0244	EA	16"	High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	437.51 -28.82 110.42	17.36
10 14 19 00-0245	EA	18"	High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	527.51 -34.09 135.10	19.29
10 14 19 00-0246	EA	20"	High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	626.93 -40.03 162.03	21.70
10 14 19 00-0247	EA	22"	High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	736.51 -45.99 193.46	22.91
10 14 19 00-0248	EA	24"	High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	828.86 -51.09 219.72	24.11
10 14 19 00-0249	EA	30"	High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	1,161.15 -69.63 313.62	28.94
10 14 19 00-0250 Satin Finish, Stainless Steel Characters (10 14 19 00-0049)					
10 14 19 00-0251 1/4" Deep, Satin Finish, Stainless Steel Characters (10 14 19 00-0250)					
10 14 19 00-0252	EA	2"	High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	49.15 -4.87 7.51	6.03



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0253 EA 4" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	64.27	7.00
For Installation With Adhesive, Deduct	-6.01	
For Polished Finish, Add	10.89	
10 14 19 00-0254 EA 6" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	82.59	8.44
For Installation With Adhesive, Deduct	-7.51	
For Polished Finish, Add	14.65	
10 14 19 00-0255 EA 8" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	106.19	9.65
For Installation With Adhesive, Deduct	-9.17	
For Polished Finish, Add	20.28	
10 14 19 00-0256 EA 10" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	129.79	10.86
For Installation With Adhesive, Deduct	-10.83	
For Polished Finish, Add	25.91	
10 14 19 00-0257 EA 12" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	159.07	12.54
For Installation With Adhesive, Deduct	-12.97	
For Polished Finish, Add	32.67	
10 14 19 00-0258 EA 14" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	190.58	14.48
For Installation With Adhesive, Deduct	-15.32	
For Polished Finish, Add	39.81	
10 14 19 00-0259 EA 16" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	228.45	17.36
For Installation With Adhesive, Deduct	-18.37	
For Polished Finish, Add	47.70	
10 14 19 00-0260 EA 18" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	266.20	19.29
For Installation With Adhesive, Deduct	-21.03	
For Polished Finish, Add	56.71	
10 14 19 00-0261 EA 20" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	310.90	21.70
For Installation With Adhesive, Deduct	-24.23	
For Polished Finish, Add	67.22	
10 14 19 00-0262 EA 22" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	360.80	22.91
For Installation With Adhesive, Deduct	-27.21	
For Polished Finish, Add	80.75	
10 14 19 00-0263 EA 24" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	411.94	24.11
For Installation With Adhesive, Deduct	-30.24	
For Polished Finish, Add	94.64	
10 14 19 00-0264 EA 30" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	563.92	28.94
For Installation With Adhesive, Deduct	-39.77	
For Polished Finish, Add	134.45	
10 14 19 00-0265 3/8" Deep, Satin Finish, Stainless Steel Characters (10 14 19 00-0250)		
10 14 19 00-0266 EA 2" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	57.91	6.03
For Installation With Adhesive, Deduct	-5.31	
For Polished Finish, Add	10.14	
10 14 19 00-0267 EA 4" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	76.98	7.00
For Installation With Adhesive, Deduct	-6.65	
For Polished Finish, Add	14.70	
10 14 19 00-0268 EA 6" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	98.70	8.44
For Installation With Adhesive, Deduct	-8.31	
For Polished Finish, Add	19.48	
10 14 19 00-0269 EA 8" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	125.79	9.65
For Installation With Adhesive, Deduct	-10.15	
For Polished Finish, Add	26.16	
10 14 19 00-0270 EA 10" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	154.84	10.86
For Installation With Adhesive, Deduct	-12.08	
For Polished Finish, Add	33.43	
10 14 19 00-0271 EA 12" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	190.66	12.54
For Installation With Adhesive, Deduct	-14.55	
For Polished Finish, Add	42.15	
10 14 19 00-0272 EA 14" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	229.06	14.48
For Installation With Adhesive, Deduct	-17.24	
For Polished Finish, Add	51.35	
10 14 19 00-0273 EA 16" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	274.55	17.36
For Installation With Adhesive, Deduct	-20.67	
For Polished Finish, Add	61.53	
10 14 19 00-0274 EA 18" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	319.13	19.29
For Installation With Adhesive, Deduct	-23.67	
For Polished Finish, Add	72.59	
10 14 19 00-0275 EA 20" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	373.64	21.70
For Installation With Adhesive, Deduct	-27.36	
For Polished Finish, Add	86.05	
10 14 19 00-0276 EA 22" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	420.01	22.91
For Installation With Adhesive, Deduct	-30.17	
For Polished Finish, Add	98.51	
10 14 19 00-0277 EA 24" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	481.34	24.11
For Installation With Adhesive, Deduct	-33.71	
For Polished Finish, Add	115.46	
10 14 19 00-0278 EA 30" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	662.52	28.94
For Installation With Adhesive, Deduct	-44.70	
For Polished Finish, Add	164.03	
10 14 19 00-0279 1/2" Deep, Satin Finish, Stainless Steel Characters (10 14 19 00-0250)		
10 14 19 00-0280 EA 2" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	69.18	6.03
For Installation With Adhesive, Deduct	-5.87	
For Polished Finish, Add	13.52	



Specialties	10
Information Specialties	10 10
Signage	10 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0281	EA		4" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	93.32 -7.46 19.61	7.00
10 14 19 00-0282	EA		6" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	120.19 -9.39 25.93	8.44
10 14 19 00-0283	EA		8" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	157.57 -11.74 35.69	9.65
10 14 19 00-0284	EA		10" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	195.43 -14.11 45.61	10.86
10 14 19 00-0285	EA		12" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	241.84 -17.11 57.50	12.54
10 14 19 00-0286	EA		14" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	291.43 -20.36 70.07	14.48
10 14 19 00-0287	EA		16" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	349.27 -24.41 83.94	17.36
10 14 19 00-0288	EA		18" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	415.53 -28.49 101.51	19.29
10 14 19 00-0289	EA		20" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	487.93 -33.08 120.33	21.70
10 14 19 00-0290	EA		22" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	546.51 -36.49 136.46	22.91
10 14 19 00-0291	EA		24" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	629.61 -41.13 159.94	24.11
10 14 19 00-0292	EA		30" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	873.16 -55.23 227.22	28.94

10 14 23 Panel Signage (10 14)

10 14 23 11 Panel Signage (10 14 23)

10 14 23 11-0001 Indoor/Outdoor Signs (10 14 23 11)

Note: Office number signs, conference room signs, restroom signs, stairway signs, fire extinguisher marker, ANSI/OSHA safety signs, entry/exit signs, etc.

10 14 23 11-0002 Surface Mount, Indoor/Outdoor Signs (10 14 23 11-0001)

10 14 23 11-0003 Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Signs (10 14 23 11-0002)

Note: Multi-color with words, symbols and graphics.

10 14 23 11-0004	EA		Up To 25 Sl, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Clear Glass Mount, Add</i> <i>For Glow-In-Dark, Add</i> <i>For Reflective Finish, Add</i>	21.54 -0.40 -1.00 -1.20 3.21 8.02 9.02	8.77
10 14 23 11-0005	EA		>25 To 50 Sl, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Clear Glass Mount, Add</i> <i>For Glow-In-Dark, Add</i> <i>For Reflective Finish, Add</i>	24.40 -0.69 -1.72 -2.06 5.50 13.74 15.46	8.77
10 14 23 11-0006	EA		>50 To 100 Sl, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Clear Glass Mount, Add</i> <i>For Glow-In-Dark, Add</i> <i>For Reflective Finish, Add</i>	28.98 -1.15 -2.86 -3.44 9.16 22.90 25.76	8.77
10 14 23 11-0007	EA		>100 To 250 Sl, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Clear Glass Mount, Add</i> <i>For Glow-In-Dark, Add</i> <i>For Reflective Finish, Add</i>	34.71 -1.72 -4.30 -5.15 13.74 34.36 38.66	8.77
10 14 23 11-0008	EA		>250 To 500 Sl, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Clear Glass Mount, Add</i> <i>For Glow-In-Dark, Add</i> <i>For Reflective Finish, Add</i>	45.02 -2.75 -6.87 -8.25 21.99 54.98 61.85	8.77

10 Specialties**10 10 Information Specialties****10 14 Signage**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0009 EA >500 To 750 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	63.35	8.77
For >25 To 50, Deduct	-4.58	
For >50 To 100, Deduct	-11.46	
For >100, Deduct	-13.75	
For Clear Glass Mount, Add	36.66	
For Glow-In-Dark, Add	91.64	
For Reflective Finish, Add	103.10	
10 14 23 11-0010 EA >750 To 1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	86.25	8.77
For >25 To 50, Deduct	-6.87	
For >50 To 100, Deduct	-17.18	
For >100, Deduct	-20.62	
For Clear Glass Mount, Add	54.98	
For Glow-In-Dark, Add	137.44	
For Reflective Finish, Add	154.62	
10 14 23 11-0011 SI >1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	0.10	0.01
For Clear Glass Mount, Add	0.06	
For Glow-In-Dark, Add	0.16	
For Reflective Finish, Add	0.18	
10 14 23 11-0012 Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Signs		
<small>(10 14 23 11-0002)</small>		
Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.		
10 14 23 11-0013 EA Up To 25 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign.....	22.68	8.77
For >25 To 50, Deduct	-0.52	
For >50 To 100, Deduct	-1.29	
For >100, Deduct	-1.55	
For Glow-In-Dark, Add	10.30	
For Reflective Finish, Add	11.07	
10 14 23 11-0014 EA >25 To 50 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	25.55	8.77
For >25 To 50, Deduct	-0.80	
For >50 To 100, Deduct	-2.01	
For >100, Deduct	-2.41	
For Glow-In-Dark, Add	16.04	
For Reflective Finish, Add	17.24	
10 14 23 11-0015 EA >50 To 100 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	31.27	8.77
For >25 To 50, Deduct	-1.37	
For >50 To 100, Deduct	-3.44	
For >100, Deduct	-4.12	
For Glow-In-Dark, Add	27.48	
For Reflective Finish, Add	29.54	
10 14 23 11-0016 EA >100 To 250 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	37.00	8.77
For >25 To 50, Deduct	-1.95	
For >50 To 100, Deduct	-4.87	
For >100, Deduct	-5.84	
For Glow-In-Dark, Add	38.94	
For Reflective Finish, Add	41.86	
10 14 23 11-0017 EA >250 To 500 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	45.59	8.77
For >25 To 50, Deduct	-2.81	
For >50 To 100, Deduct	-7.02	
For >100, Deduct	-8.42	
For Glow-In-Dark, Add	56.12	
For Reflective Finish, Add	60.33	
10 14 23 11-0018 EA >500 To 750 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	54.18	8.77
For >25 To 50, Deduct	-3.67	
For >50 To 100, Deduct	-9.16	
For >100, Deduct	-11.00	
For Glow-In-Dark, Add	73.30	
For Reflective Finish, Add	78.80	
10 14 23 11-0019 EA >750 To 1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	63.35	8.77
For >25 To 50, Deduct	-4.58	
For >50 To 100, Deduct	-11.46	
For >100, Deduct	-13.75	
For Glow-In-Dark, Add	91.64	
For Reflective Finish, Add	98.51	
10 14 23 11-0020 SI >1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	0.07	0.01
For Glow-In-Dark, Add	0.10	
For Reflective Finish, Add	0.11	
10 14 23 11-0021 Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille <small>(10 14 23 11-0002)</small>		
Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.		
10 14 23 11-0022 EA Up To 25 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	31.27	8.77
For >25 To 50, Deduct	-1.37	
For >50 To 100, Deduct	-3.44	
For >100, Deduct	-4.12	
For Molded Plastic Frame, Add	15.00	
For Brushed Metal Finish/Faux Metal Finish, Add	23.00	
For 2" Height Slider Channel For Custom Inserts, Add	35.00	
10 14 23 11-0023 EA >25 To 50 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille.....	34.71	8.77
For >25 To 50, Deduct	-1.72	
For >50 To 100, Deduct	-4.30	
For >100, Deduct	-5.15	
For Molded Plastic Frame, Add	17.00	
For Brushed Metal Finish/Faux Metal Finish, Add	28.00	
For 2" Height Slider Channel For Custom Inserts, Add	35.00	



Specialties	10
Information Specialties	10 10
Signage	10 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0024	EA		>50 To 75 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	40.44	8.77
			<i>For >25 To 50, Deduct</i>	-2.29	
			<i>For >50 To 100, Deduct</i>	-5.73	
			<i>For >100, Deduct</i>	-6.87	
			<i>For Molded Plastic Frame, Add</i>	19.00	
			<i>For Brushed Metal Finish/Faux Metal Finish, Add</i>	31.00	
10 14 23 11-0025	EA		>75 To 100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	45.82	8.77
			<i>For >25 To 50, Deduct</i>	-2.83	
			<i>For >50 To 100, Deduct</i>	-7.07	
			<i>For >100, Deduct</i>	-8.49	
			<i>For Molded Plastic Frame, Add</i>	21.00	
			<i>For Brushed Metal Finish/Faux Metal Finish, Add</i>	35.00	
10 14 23 11-0026	SI		>100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille.....	0.49	0.09
			<i>For Molded Plastic Frame, Add</i>	0.20	
			<i>For Brushed Metal Finish/Faux Metal Finish, Add</i>	0.31	
10 14 23 11-0027			Engraved Steel, Surface Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0002)</small>		
			Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.		
10 14 23 11-0028	EA		Up To 25 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign.....	39.29	8.77
			<i>For >25 To 50, Deduct</i>	-2.18	
			<i>For >50 To 100, Deduct</i>	-5.44	
			<i>For >100, Deduct</i>	-6.53	
			<i>For Molded Plastic Frame, Add</i>	15.00	
10 14 23 11-0029	EA		>25 To 50 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	46.17	8.77
			<i>For >25 To 50, Deduct</i>	-2.86	
			<i>For >50 To 100, Deduct</i>	-7.16	
			<i>For >100, Deduct</i>	-8.59	
			<i>For Molded Plastic Frame, Add</i>	17.00	
10 14 23 11-0030	EA		>50 To 75 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	55.33	8.77
			<i>For >25 To 50, Deduct</i>	-3.78	
			<i>For >50 To 100, Deduct</i>	-9.45	
			<i>For >100, Deduct</i>	-11.34	
			<i>For Molded Plastic Frame, Add</i>	19.00	
10 14 23 11-0031	EA		>75 To 100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	73.65	8.77
			<i>For >25 To 50, Deduct</i>	-5.61	
			<i>For >50 To 100, Deduct</i>	-14.03	
			<i>For >100, Deduct</i>	-16.84	
			<i>For Molded Plastic Frame, Add</i>	21.00	
10 14 23 11-0032	SI		>100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	0.73	0.09
			<i>For Molded Plastic Frame, Add</i>	0.20	
10 14 23 11-0033			Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0002)</small>		
			Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.		
10 14 23 11-0034	EA		Up To 25 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign.....	22.11	8.77
			<i>For >25 To 50, Deduct</i>	-0.46	
			<i>For >50 To 100, Deduct</i>	-1.15	
			<i>For >100, Deduct</i>	-1.37	
			<i>For Glow-In-Dark, Add</i>	2.75	
			<i>For Reflective Finish, Add</i>	3.44	
10 14 23 11-0035	EA		>25 To 50 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	25.55	8.77
			<i>For >25 To 50, Deduct</i>	-0.80	
			<i>For >50 To 100, Deduct</i>	-2.01	
			<i>For >100, Deduct</i>	-2.41	
			<i>For Glow-In-Dark, Add</i>	4.81	
			<i>For Reflective Finish, Add</i>	6.02	
10 14 23 11-0036	EA		>50 To 100 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	32.42	8.77
			<i>For >25 To 50, Deduct</i>	-1.49	
			<i>For >50 To 100, Deduct</i>	-3.72	
			<i>For >100, Deduct</i>	-4.47	
			<i>For Glow-In-Dark, Add</i>	8.93	
			<i>For Reflective Finish, Add</i>	11.17	
10 14 23 11-0037	EA		>100 To 250 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	40.44	8.77
			<i>For >25 To 50, Deduct</i>	-2.29	
			<i>For >50 To 100, Deduct</i>	-5.73	
			<i>For >100, Deduct</i>	-6.87	
			<i>For Glow-In-Dark, Add</i>	13.75	
			<i>For Reflective Finish, Add</i>	17.18	
10 14 23 11-0038	EA		>250 To 500 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	64.49	8.77
			<i>For >25 To 50, Deduct</i>	-4.70	
			<i>For >50 To 100, Deduct</i>	-11.74	
			<i>For >100, Deduct</i>	-14.09	
			<i>For Glow-In-Dark, Add</i>	28.18	
			<i>For Reflective Finish, Add</i>	35.22	
10 14 23 11-0039	EA		>500 To 750 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	74.80	8.77
			<i>For >25 To 50, Deduct</i>	-5.73	
			<i>For >50 To 100, Deduct</i>	-14.32	
			<i>For >100, Deduct</i>	-17.18	
			<i>For Glow-In-Dark, Add</i>	34.36	
			<i>For Reflective Finish, Add</i>	42.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0040 EA >750 To 1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	88.54	8.77
For >25 To 50, Deduct	-7.10	
For >50 To 100, Deduct	-17.75	
For >100, Deduct	-21.30	
For Glow-In-Dark, Add	42.61	
For Reflective Finish, Add	53.26	
10 14 23 11-0041 SI >1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign.....	0.10	0.01
For Glow-In-Dark, Add	0.05	
For Reflective Finish, Add	0.06	
10 14 23 11-0042 California Title 24, Surface Mount, Signs (10 14 23 11-0002)		
10 14 23 11-0043 California Title 24, Surface Mount, Geometric Restroom Signs (10 14 23 11-0042)		
Note: Includes 1/4" thick acrylic or PVC construction, color that contrasts with the door color, and with or without the international symbol of accessibility and staff only designation.		
10 14 23 11-0044 EA 1/4" Thick, Equilateral Triangle With 12" Long Edges, California Title 24, Surface Mount, Geometric Male Restroom Sign.....	59.62	8.77
For >25 To 50, Deduct	-4.21	
For >50 To 100, Deduct	-6.31	
For >100, Deduct	-7.16	
10 14 23 11-0045 EA 1/4" Thick, 12" Diameter, California Title 24, Surface Mount, Geometric Female Restroom Sign	59.62	8.77
For >25 To 50, Deduct	-4.21	
For >50 To 100, Deduct	-6.31	
For >100, Deduct	-7.16	
10 14 23 11-0046 EA 1/4" Thick, 12" Diameter, California Title 24, Surface Mount, Geometric Unisex Restroom Sign	76.46	8.77
Note: Includes contrasting color equilateral triangle with 12" long edges superimposed on the circle.		
For >25 To 50, Deduct	-5.89	
For >50 To 100, Deduct	-8.84	
For >100, Deduct	-10.02	
10 14 23 11-0047 California Title 24, Surface Mount, Stairwell Signs (10 14 23 11-0042)		
Note: Includes 1/16" matte finish colored polymer face plate with 1/16" acrylic backer. Includes information on stairway location, roof access availability, floor level number, basement or mezzanine level identification and exit level and direction.		
10 14 23 11-0048 EA 1/8" Thick, 12" x 18", California Title 24, Surface Mount, Stairwell Sign	112.54	8.77
For >25 To 50, Deduct	-9.50	
For >50 To 100, Deduct	-14.25	
For >100, Deduct	-16.15	
10 14 23 11-0049 Ceiling Mount, Indoor/Outdoor Signs (10 14 23 11-0001)		
10 14 23 11-0050 Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Signs (10 14 23 11-0049)		
10 14 23 11-0051 EA Up To 25 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	30.84	12.27
For >25 To 50, Deduct	-0.63	
For >50 To 100, Deduct	-1.58	
For >100, Deduct	-1.89	
For Glow-In-Dark, Add	3.78	
For Reflective Finish, Add	4.73	
10 14 23 11-0052 EA >25 To 50 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign.....	35.99	12.27
For >25 To 50, Deduct	-1.15	
For >50 To 100, Deduct	-2.86	
For >100, Deduct	-3.44	
For Glow-In-Dark, Add	6.87	
For Reflective Finish, Add	8.59	
10 14 23 11-0053 EA >50 To 100 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign.....	42.87	12.27
For >25 To 50, Deduct	-1.83	
For >50 To 100, Deduct	-4.58	
For >100, Deduct	-5.50	
For Glow-In-Dark, Add	11.00	
For Reflective Finish, Add	13.75	
10 14 23 11-0054 EA >100 To 150 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign.....	53.18	12.27
For >25 To 50, Deduct	-2.86	
For >50 To 100, Deduct	-7.16	
For >100, Deduct	-8.59	
For Glow-In-Dark, Add	17.18	
For Reflective Finish, Add	21.48	
10 14 23 11-0055 90 Degree, Projection Mount, Indoor/Outdoor Signs (10 14 23 11-0001)		
10 14 23 11-0056 Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Signs (10 14 23 11-0055)		
10 14 23 11-0057 EA Up To 25 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign.....	31.41	12.27
For >25 To 50, Deduct	-0.69	
For >50 To 100, Deduct	-1.72	
For >100, Deduct	-2.06	
For Glow-In-Dark, Add	4.12	
For Reflective Finish, Add	5.15	



Specialties	10
Information Specialties	10 10
Signage	10 14

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0058	EA		>25 To 50 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign.....	37.14	12.27
			<i>For >25 To 50, Deduct</i>	-1.26	
			<i>For >50 To 100, Deduct</i>	-3.15	
			<i>For >100, Deduct</i>	-3.78	
			<i>For Glow-In-Dark, Add</i>	7.56	
			<i>For Reflective Finish, Add</i>	9.45	
10 14 23 11-0059	EA		>50 To 100 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign.....	49.74	12.27
			<i>For >25 To 50, Deduct</i>	-2.52	
			<i>For >50 To 100, Deduct</i>	-6.30	
			<i>For >100, Deduct</i>	-7.56	
			<i>For Glow-In-Dark, Add</i>	15.12	
			<i>For Reflective Finish, Add</i>	18.90	
10 14 23 11-0060	EA		>100 To 150 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign.....	54.32	12.27
			<i>For >25 To 50, Deduct</i>	-2.98	
			<i>For >50 To 100, Deduct</i>	-7.45	
			<i>For >100, Deduct</i>	-8.93	
			<i>For Glow-In-Dark, Add</i>	17.87	
			<i>For Reflective Finish, Add</i>	22.34	
10 14 23 11-0061			Triangle, Projection Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0001)</small>		
10 14 23 11-0062			Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0061)</small>		
10 14 23 11-0063	EA		Up To 25 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign.....	33.13	12.27
			<i>For >25 To 50, Deduct</i>	-0.86	
			<i>For >50 To 100, Deduct</i>	-2.15	
			<i>For >100, Deduct</i>	-2.58	
			<i>For Glow-In-Dark, Add</i>	5.15	
			<i>For Reflective Finish, Add</i>	6.44	
10 14 23 11-0064	EA		>25 To 50 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign.....	41.72	12.27
			<i>For >25 To 50, Deduct</i>	-1.72	
			<i>For >50 To 100, Deduct</i>	-4.30	
			<i>For >100, Deduct</i>	-5.15	
			<i>For Glow-In-Dark, Add</i>	10.31	
			<i>For Reflective Finish, Add</i>	12.89	
10 14 23 11-0065	EA		>50 To 100 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign.....	45.16	12.27
			<i>For >25 To 50, Deduct</i>	-2.06	
			<i>For >50 To 100, Deduct</i>	-5.16	
			<i>For >100, Deduct</i>	-6.19	
			<i>For Glow-In-Dark, Add</i>	12.37	
			<i>For Reflective Finish, Add</i>	15.47	
10 14 23 11-0066	EA		>100 To 150 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign.....	49.74	12.27
			<i>For >25 To 50, Deduct</i>	-2.52	
			<i>For >50 To 100, Deduct</i>	-6.30	
			<i>For >100, Deduct</i>	-7.56	
			<i>For Glow-In-Dark, Add</i>	15.12	
			<i>For Reflective Finish, Add</i>	18.90	
10 14 23 11-0067			Adhesive Backed Vinyl Characters <small>(10 14 23 11)</small>		
			Note: Includes capital or lower case letters in any font or color. Includes numbers, symbols, punctuation marks, etc. Includes adhesive.		
10 14 23 11-0068	EA		1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character.....	2.17	0.70
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	0.36	
10 14 23 11-0069	EA		3/4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character.....	2.23	0.80
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	0.38	
10 14 23 11-0070	EA		1" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character.....	2.30	0.91
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	0.39	
10 14 23 11-0071	EA		1-1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character.....	3.13	1.05
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	0.51	
10 14 23 11-0072	EA		2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character.....	3.22	1.22
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	0.53	
10 14 23 11-0073	EA		3" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character.....	4.54	1.40
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	0.77	
10 14 23 11-0074	EA		4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character.....	4.83	1.57
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	0.84	
10 14 23 11-0075	EA		6" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character.....	6.43	1.76
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	1.15	
10 14 23 11-0076	EA		8" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character.....	7.61	1.93
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	1.45	
10 14 23 11-0077	EA		10" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character.....	9.70	2.11
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	1.88	
10 14 23 11-0078			Standoffs For Wall Signage <small>(10 14 23 11)</small>		
			Note: Excludes signage		
10 14 23 11-0079	EA		1/2" Diameter x 1/2" Long, Stainless Steel Standoff.....	11.26	4.82
10 14 23 11-0080	EA		1/2" Diameter x 3/4" Long, Stainless Steel Standoff.....	11.47	4.82
10 14 23 11-0081	EA		1/2" Diameter x 1" Long, Stainless Steel Standoff.....	11.52	4.82
10 14 23 11-0082	EA		5/8" Diameter x 1/2" Long, Stainless Steel Standoff.....	12.10	4.82
10 14 23 11-0083	EA		5/8" Diameter x 3/4" Long, Stainless Steel Standoff.....	12.31	4.82
10 14 23 11-0084	EA		5/8" Diameter x 1" Long, Stainless Steel Standoff.....	12.72	4.82
10 14 23 11-0085	EA		3/4" Diameter x 3/4" Long, Stainless Steel Standoff.....	12.90	5.79
10 14 23 11-0086	EA		3/4" Diameter x 1" Long, Stainless Steel Standoff.....	13.47	5.79



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0087 EA 3/4" Diameter x 1-1/2" Long, Stainless Steel Standoff.....	13.94	5.79
10 14 23 11-0088 EA 1" Diameter x 3/4" Long, Stainless Steel Standoff.....	14.90	5.79
10 14 23 11-0089 EA 1" Diameter x 1" Long, Stainless Steel Standoff.....	15.58	5.79
10 14 23 11-0090 EA 1" Diameter x 1-1/2" Long, Stainless Steel Standoff.....	16.41	5.79
10 14 23 11-0091 EA 5/8" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff.....	12.26	4.82
10 14 23 11-0092 EA 5/8" Diameter x 1" Long, Clear Anodized Aluminum Standoff.....	12.41	4.82
10 14 23 11-0093 EA 3/4" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff.....	13.37	5.79
10 14 23 11-0094 EA 3/4" Diameter x 1" Long, Clear Anodized Aluminum Standoff.....	13.53	5.79
10 14 23 11-0095 EA 1" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff.....	14.69	5.79
10 14 23 11-0096 EA 1" Diameter x 1" Long, Clear Anodized Aluminum Standoff.....	14.80	5.79
10 14 23 11-0097 Removal And Reinstallation Of Building Signage (10 14 23 11) Note: Includes storage and cleaning.		
10 14 23 11-0098 EA Removal And Reinstallation Of Building Signage, Exterior Up To 4 SF.....	168.87	
10 14 23 11-0099 EA Removal And Reinstallation Of Building Signage, Exterior >4 To 12 SF.....	193.82	
10 14 23 11-0100 EA Removal And Reinstallation Of Building Signage, >12 To 20 SF.....	217.95	
10 14 23 11-0101 EA Removal And Reinstallation Of Interior Door And Office Signage, Up To 4SF.....	52.59	
10 14 23 11-0102 Building Sign (10 14 23 11) Note: Includes 4" numbers painted on. Installed on building.		
10 14 23 11-0103 EA 6" x 18" Metal Building Sign With Numbers.....	115.99	21.04
10 14 23 11-0104 SF Double Sided, Molding On Two Sides, For Mounting On Aluminum Posts.....	32.97	6.76
10 14 23 11-0105 SF Single Sided, Molding On One Side, For Mounting On Structure Up To 20'.....	25.44	6.27
10 14 23 11-0106 EA Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 6' High, 3' Deep.....	21.58	5.31
10 14 23 11-0107 EA Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 8' High, 3' Deep.....	24.79	5.79
10 14 23 11-0108 EA Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 10' High, 3' Deep.....	27.17	6.27
10 14 23 11-0109 EA Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 15' High, 4' Deep.....	31.78	6.76
10 14 53 Traffic Signage (10 14)		
10 14 53 11 Traffic Signage (10 14 53)		
10 14 53 11-0001 Traffic Signs (10 14 53 11)		
10 14 53 11-0002 Reflectorized Stop Signs And Other Traffic Signs (10 14 53 11-0001) Note: Excludes posts.		
10 14 53 11-0003 Aluminum Engineer Grade Stop Signs (10 14 53 11-0002)		
10 14 53 11-0004 EA 18" x 18" Aluminum Engineer Grade Stop Sign.....	53.01	15.78
For Hi-Intensity Grade, Add	6.44	
For Diamond Grade, Add	12.23	
10 14 53 11-0005 EA 18" x 24" Aluminum Engineer Grade Stop Sign.....	61.36	16.69
For Hi-Intensity Grade, Add	8.42	
For Diamond Grade, Add	15.99	
10 14 53 11-0006 EA 24" x 24" Aluminum Engineer Grade Stop Sign.....	66.42	17.53
For Hi-Intensity Grade, Add	12.85	
For Diamond Grade, Add	20.38	
10 14 53 11-0007 EA 30" x 30" Aluminum Engineer Grade Stop Sign.....	76.96	18.45
For Hi-Intensity Grade, Add	4.82	
For Diamond Grade, Add	26.10	
10 14 53 11-0008 EA 36" x 36" Aluminum Engineer Grade Stop Sign.....	102.92	19.29
For Hi-Intensity Grade, Add	14.16	
For Diamond Grade, Add	44.40	
10 14 53 11-0009 Other Reflectorized Traffic Signs (10 14 53 11-0002) Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.		
10 14 53 11-0010 Aluminum Engineer Grade Traffic Signs (10 14 53 11-0009)		
10 14 53 11-0011 EA 6" x 12" Aluminum Engineer Grade Traffic Sign.....	33.36	14.02
For Hi-Intensity Grade, Add	1.59	
10 14 53 11-0012 EA 6" x 18" Aluminum Engineer Grade Traffic Sign.....	36.02	14.02
For Hi-Intensity Grade, Add	2.39	
10 14 53 11-0013 EA 9" x 12" Aluminum Engineer Grade Traffic Sign.....	36.02	14.02
For Hi-Intensity Grade, Add	2.39	
10 14 53 11-0014 EA 9" x 15" Aluminum Engineer Grade Traffic Sign.....	38.01	14.02
For Hi-Intensity Grade, Add	2.99	
10 14 53 11-0015 EA 9" x 18" Aluminum Engineer Grade Traffic Sign.....	40.01	14.02
For Hi-Intensity Grade, Add	3.59	
10 14 53 11-0016 EA 9" x 24" Aluminum Engineer Grade Traffic Sign.....	45.74	14.91
For Hi-Intensity Grade, Add	4.78	
10 14 53 11-0017 EA 9" x 48" Aluminum Engineer Grade Traffic Sign.....	61.68	14.91
For Hi-Intensity Grade, Add	9.56	
10 14 53 11-0018 EA 12" x 12" Aluminum Engineer Grade Traffic Sign.....	38.68	14.02
For Hi-Intensity Grade, Add	3.19	
10 14 53 11-0019 EA 12" x 18" Aluminum Engineer Grade Traffic Sign.....	45.74	14.91
For Hi-Intensity Grade, Add	4.78	
10 14 53 11-0020 EA 12" x 24" Aluminum Engineer Grade Traffic Sign.....	51.05	14.91
For Hi-Intensity Grade, Add	6.38	



Specialties	10
Information Specialties	10 10
Signage	10 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0021 EA 12" x 30" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	56.37 7.97	14.91
10 14 53 11-0022 EA 12" x 36" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	61.68 9.56	14.91
10 14 53 11-0023 EA 18" x 18" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	53.71 7.17	14.91
10 14 53 11-0024 EA 18" x 24" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	61.68 9.56	14.91
10 14 53 11-0025 EA 18" x 30" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	71.41 11.96	15.78
10 14 53 11-0026 EA 18" x 36" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	79.38 14.35	15.78
10 14 53 11-0027 EA 18" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	102.33 19.13	19.29
10 14 53 11-0028 EA 18" x 54" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	110.30 21.52	19.29
10 14 53 11-0029 EA 24" x 24" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	74.07 12.75	15.78
10 14 53 11-0030 EA 24" x 30" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	84.70 15.94	15.78
10 14 53 11-0031 EA 24" x 36" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	95.32 19.13	15.78
10 14 53 11-0032 EA 24" x 42" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	112.96 22.32	19.29
10 14 53 11-0033 EA 24" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	123.59 25.51	19.29
10 14 53 11-0034 EA 24" x 54" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	134.21 28.69	19.29
10 14 53 11-0035 EA 24" x 60" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	144.84 31.88	19.29
10 14 53 11-0036 EA 30" x 30" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	97.98 19.93	15.78
10 14 53 11-0037 EA 30" x 36" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	118.27 23.91	19.29
10 14 53 11-0038 EA 30" x 42" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	131.56 27.90	19.29
10 14 53 11-0039 EA 30" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	151.85 31.88	22.79
10 14 53 11-0040 EA 30" x 60" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	185.43 39.85	26.30
10 14 53 11-0041 EA 36" x 36" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	134.21 28.69	19.29
10 14 53 11-0042 EA 36" x 42" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	157.17 33.48	22.79
10 14 53 11-0043 EA 36" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	180.12 38.26	26.30
10 14 53 11-0044 EA 36" x 54" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	196.06 43.04	26.30
10 14 53 11-0045 EA 36" x 60" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	219.02 47.82	29.80
10 14 53 11-0046 EA 36" x 73" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	260.58 58.19	33.31
10 14 53 11-0047 EA 36" x 78" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	273.86 62.17	33.31
10 14 53 11-0048 EA 36" x 108" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	364.07 86.08	38.57
10 14 53 11-0049 EA 42" x 42" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	182.77 39.05	26.30
10 14 53 11-0050 EA 48" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	229.65 51.01	29.80
10 14 53 11-0051 EA 48" x 54" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	257.92 57.39	33.31
10 14 53 11-0052 EA 48" x 60" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	279.17 63.76	33.31
10 14 53 11-0053 EA 48" x 66" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	310.94 70.14	38.57
10 14 53 11-0054 EA 48" x 72" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	332.19 76.52	38.57
10 14 53 11-0055 EA 48" x 84" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	381.71 89.27	42.08
10 14 53 11-0056 EA 48" x 96" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	424.22 102.02	42.08
10 14 53 11-0057 EA 48" x 102" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	445.47 108.40	42.08
10 14 53 11-0058 EA 48" x 108" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	470.24 114.77	43.83
10 14 53 11-0059 EA 60" x 72" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	402.97 95.65	42.08
10 14 53 11-0060 EA 72" x 144" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	877.37 229.55	56.10
10 14 53 11-0061 EA 78" x 96" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	640.27 165.78	43.83



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0062			Non-Reflectorized Traffic Signs <small>(10 14 53 11-0001)</small>		
			Note: Includes reserved parking, handicap parking, visitor parking, no parking, tow away zones, etc. Excludes posts.		
10 14 53 11-0063			Steel Non-Reflectorized Traffic Signs <small>(10 14 53 11-0062)</small>		
10 14 53 11-0064	EA		6" x 12" Steel Non Reflectorized Traffic Sign.....	32.64	14.02
10 14 53 11-0065	EA		6" x 18" Steel Non Reflectorized Traffic Sign.....	34.94	14.02
10 14 53 11-0066	EA		9" x 12" Steel Non Reflectorized Traffic Sign.....	34.94	14.02
10 14 53 11-0067	EA		9" x 15" Steel Non Reflectorized Traffic Sign.....	36.66	14.02
10 14 53 11-0068	EA		9" x 18" Steel Non Reflectorized Traffic Sign.....	38.39	14.02
10 14 53 11-0069	EA		9" x 24" Steel Non Reflectorized Traffic Sign.....	43.58	14.91
10 14 53 11-0070	EA		9" x 48" Steel Non Reflectorized Traffic Sign.....	57.36	14.91
10 14 53 11-0071	EA		12" x 12" Steel Non Reflectorized Traffic Sign.....	37.24	14.02
10 14 53 11-0072	EA		12" x 18" Steel Non Reflectorized Traffic Sign.....	43.58	14.91
10 14 53 11-0073	EA		12" x 24" Steel Non Reflectorized Traffic Sign.....	48.17	14.91
10 14 53 11-0074	EA		12" x 30" Steel Non Reflectorized Traffic Sign.....	52.77	14.91
10 14 53 11-0075	EA		12" x 36" Steel Non Reflectorized Traffic Sign.....	57.36	14.91
10 14 53 11-0076	EA		18" x 18" Steel Non Reflectorized Traffic Sign.....	50.47	14.91
10 14 53 11-0077	EA		18" x 24" Steel Non Reflectorized Traffic Sign.....	57.36	14.91
10 14 53 11-0078	EA		18" x 30" Steel Non Reflectorized Traffic Sign.....	66.01	15.78
10 14 53 11-0079	EA		18" x 36" Steel Non Reflectorized Traffic Sign.....	72.90	15.78
10 14 53 11-0080	EA		18" x 48" Steel Non Reflectorized Traffic Sign.....	93.69	19.29
10 14 53 11-0081	EA		18" x 54" Steel Non Reflectorized Traffic Sign.....	100.58	19.29
10 14 53 11-0082	EA		24" x 24" Steel Non Reflectorized Traffic Sign.....	68.31	15.78
10 14 53 11-0083	EA		24" x 30" Steel Non Reflectorized Traffic Sign.....	77.50	15.78
10 14 53 11-0084	EA		24" x 36" Steel Non Reflectorized Traffic Sign.....	86.68	15.78
10 14 53 11-0085	EA		24" x 42" Steel Non Reflectorized Traffic Sign.....	102.88	19.29
10 14 53 11-0086	EA		24" x 48" Steel Non Reflectorized Traffic Sign.....	112.07	19.29
10 14 53 11-0087	EA		24" x 54" Steel Non Reflectorized Traffic Sign.....	121.25	19.29
10 14 53 11-0088	EA		24" x 60" Steel Non Reflectorized Traffic Sign.....	130.44	19.29
10 14 53 11-0089	EA		30" x 30" Steel Non Reflectorized Traffic Sign.....	88.98	15.78
10 14 53 11-0090	EA		30" x 36" Steel Non Reflectorized Traffic Sign.....	107.47	19.29
10 14 53 11-0091	EA		30" x 42" Steel Non Reflectorized Traffic Sign.....	118.96	19.29
10 14 53 11-0092	EA		30" x 48" Steel Non Reflectorized Traffic Sign.....	137.45	22.79
10 14 53 11-0093	EA		30" x 60" Steel Non Reflectorized Traffic Sign.....	167.43	26.30
10 14 53 11-0094	EA		36" x 36" Steel Non Reflectorized Traffic Sign.....	121.25	19.29
10 14 53 11-0095	EA		36" x 42" Steel Non Reflectorized Traffic Sign.....	142.05	22.79
10 14 53 11-0096	EA		36" x 48" Steel Non Reflectorized Traffic Sign.....	162.84	26.30
10 14 53 11-0097	EA		36" x 54" Steel Non Reflectorized Traffic Sign.....	176.62	26.30
10 14 53 11-0098	EA		36" x 60" Steel Non Reflectorized Traffic Sign.....	197.42	29.80
10 14 53 11-0099	EA		36" x 73" Steel Non Reflectorized Traffic Sign.....	234.30	33.31
10 14 53 11-0100	EA		36" x 78" Steel Non Reflectorized Traffic Sign.....	245.78	33.31
10 14 53 11-0101	EA		36" x 108" Steel Non Reflectorized Traffic Sign.....	325.19	38.57
10 14 53 11-0102	EA		42" x 42" Steel Non Reflectorized Traffic Sign.....	165.13	26.30
10 14 53 11-0103	EA		48" x 48" Steel Non Reflectorized Traffic Sign.....	206.61	29.80
10 14 53 11-0104	EA		48" x 54" Steel Non Reflectorized Traffic Sign.....	232.00	33.31
10 14 53 11-0105	EA		48" x 60" Steel Non Reflectorized Traffic Sign.....	250.37	33.31
10 14 53 11-0106	EA		48" x 66" Steel Non Reflectorized Traffic Sign.....	279.26	38.57
10 14 53 11-0107	EA		48" x 72" Steel Non Reflectorized Traffic Sign.....	297.63	38.57
10 14 53 11-0108	EA		48" x 84" Steel Non Reflectorized Traffic Sign.....	341.39	42.08
10 14 53 11-0109	EA		48" x 96" Steel Non Reflectorized Traffic Sign.....	378.14	42.08
10 14 53 11-0110	EA		48" x 102" Steel Non Reflectorized Traffic Sign.....	396.51	42.08
10 14 53 11-0111	EA		48" x 108" Steel Non Reflectorized Traffic Sign.....	418.40	43.83
10 14 53 11-0112	EA		60" x 72" Steel Non Reflectorized Traffic Sign.....	359.77	42.08
10 14 53 11-0113	EA		72" x 144" Steel Non Reflectorized Traffic Sign.....	773.69	56.10
10 14 53 11-0114	EA		78" x 96" Steel Non Reflectorized Traffic Sign.....	565.39	43.83
10 14 53 11-0115			Aluminum Non-Reflectorized Traffic Signs <small>(10 14 53 11-0062)</small>		
10 14 53 11-0116	EA		6" x 12" Aluminum Non Reflectorized Traffic Sign.....	32.83	14.02
10 14 53 11-0117	EA		6" x 18" Aluminum Non Reflectorized Traffic Sign.....	35.22	14.02
10 14 53 11-0118	EA		9" x 12" Aluminum Non Reflectorized Traffic Sign.....	35.22	14.02
10 14 53 11-0119	EA		9" x 15" Aluminum Non Reflectorized Traffic Sign.....	37.01	14.02
10 14 53 11-0120	EA		9" x 18" Aluminum Non Reflectorized Traffic Sign.....	38.81	14.02
10 14 53 11-0121	EA		9" x 24" Aluminum Non Reflectorized Traffic Sign.....	44.14	14.91
10 14 53 11-0122	EA		9" x 48" Aluminum Non Reflectorized Traffic Sign.....	58.48	14.91
10 14 53 11-0123	EA		12" x 12" Aluminum Non Reflectorized Traffic Sign.....	37.61	14.02
10 14 53 11-0124	EA		12" x 18" Aluminum Non Reflectorized Traffic Sign.....	44.14	14.91
10 14 53 11-0125	EA		12" x 24" Aluminum Non Reflectorized Traffic Sign.....	48.92	14.91
10 14 53 11-0126	EA		12" x 30" Aluminum Non Reflectorized Traffic Sign.....	53.70	14.91
10 14 53 11-0127	EA		12" x 36" Aluminum Non Reflectorized Traffic Sign.....	58.48	14.91
10 14 53 11-0128	EA		18" x 18" Aluminum Non Reflectorized Traffic Sign.....	51.31	14.91
10 14 53 11-0129	EA		18" x 24" Aluminum Non Reflectorized Traffic Sign.....	58.48	14.91
10 14 53 11-0130	EA		18" x 30" Aluminum Non Reflectorized Traffic Sign.....	67.42	15.78
10 14 53 11-0131	EA		18" x 36" Aluminum Non Reflectorized Traffic Sign.....	74.59	15.78
10 14 53 11-0132	EA		18" x 48" Aluminum Non Reflectorized Traffic Sign.....	95.94	19.29
10 14 53 11-0133	EA		18" x 54" Aluminum Non Reflectorized Traffic Sign.....	103.11	19.29
10 14 53 11-0134	EA		24" x 24" Aluminum Non Reflectorized Traffic Sign.....	69.81	15.78
10 14 53 11-0135	EA		24" x 30" Aluminum Non Reflectorized Traffic Sign.....	79.37	15.78
10 14 53 11-0136	EA		24" x 36" Aluminum Non Reflectorized Traffic Sign.....	88.93	15.78
10 14 53 11-0137	EA		24" x 42" Aluminum Non Reflectorized Traffic Sign.....	105.50	19.29



Specialties	10	10
Information Specialties	10 10	
Signage	10 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0138 EA 24" x 48" Aluminum Non ReflectORIZED Traffic Sign.....	115.06	19.29
10 14 53 11-0139 EA 24" x 54" Aluminum Non ReflectORIZED Traffic Sign.....	124.62	19.29
10 14 53 11-0140 EA 24" x 60" Aluminum Non ReflectORIZED Traffic Sign.....	134.19	19.29
10 14 53 11-0141 EA 30" x 30" Aluminum Non ReflectORIZED Traffic Sign.....	91.32	15.78
10 14 53 11-0142 EA 30" x 36" Aluminum Non ReflectORIZED Traffic Sign.....	110.28	19.29
10 14 53 11-0143 EA 30" x 42" Aluminum Non ReflectORIZED Traffic Sign.....	122.23	19.29
10 14 53 11-0144 EA 30" x 48" Aluminum Non ReflectORIZED Traffic Sign.....	141.20	22.79
10 14 53 11-0145 EA 30" x 60" Aluminum Non ReflectORIZED Traffic Sign.....	172.11	26.30
10 14 53 11-0146 EA 36" x 36" Aluminum Non ReflectORIZED Traffic Sign.....	124.62	19.29
10 14 53 11-0147 EA 36" x 42" Aluminum Non ReflectORIZED Traffic Sign.....	145.98	22.79
10 14 53 11-0148 EA 36" x 48" Aluminum Non ReflectORIZED Traffic Sign.....	167.33	26.30
10 14 53 11-0149 EA 36" x 54" Aluminum Non ReflectORIZED Traffic Sign.....	181.67	26.30
10 14 53 11-0150 EA 36" x 60" Aluminum Non ReflectORIZED Traffic Sign.....	203.03	29.80
10 14 53 11-0151 EA 36" x 73" Aluminum Non ReflectORIZED Traffic Sign.....	241.13	33.31
10 14 53 11-0152 EA 36" x 78" Aluminum Non ReflectORIZED Traffic Sign.....	253.08	33.31
10 14 53 11-0153 EA 36" x 108" Aluminum Non ReflectORIZED Traffic Sign.....	335.30	38.57
10 14 53 11-0154 EA 42" x 42" Aluminum Non ReflectORIZED Traffic Sign.....	169.72	26.30
10 14 53 11-0155 EA 48" x 48" Aluminum Non ReflectORIZED Traffic Sign.....	212.60	29.80
10 14 53 11-0156 EA 48" x 54" Aluminum Non ReflectORIZED Traffic Sign.....	238.74	33.31
10 14 53 11-0157 EA 48" x 60" Aluminum Non ReflectORIZED Traffic Sign.....	257.86	33.31
10 14 53 11-0158 EA 48" x 66" Aluminum Non ReflectORIZED Traffic Sign.....	287.50	38.57
10 14 53 11-0159 EA 48" x 72" Aluminum Non ReflectORIZED Traffic Sign.....	306.62	38.57
10 14 53 11-0160 EA 48" x 84" Aluminum Non ReflectORIZED Traffic Sign.....	351.87	42.08
10 14 53 11-0161 EA 48" x 96" Aluminum Non ReflectORIZED Traffic Sign.....	390.12	42.08
10 14 53 11-0162 EA 48" x 102" Aluminum Non ReflectORIZED Traffic Sign.....	409.24	42.08
10 14 53 11-0163 EA 48" x 108" Aluminum Non ReflectORIZED Traffic Sign.....	431.88	43.83
10 14 53 11-0164 EA 60" x 72" Aluminum Non ReflectORIZED Traffic Sign.....	371.00	42.08
10 14 53 11-0165 EA 72" x 144" Aluminum Non ReflectORIZED Traffic Sign.....	800.65	56.10
10 14 53 11-0166 EA 78" x 96" Aluminum Non ReflectORIZED Traffic Sign.....	584.86	43.83
10 14 53 11-0167 Aluminum Street Signs (10 14 53 11-0001) Note: Excludes posts.		
10 14 53 11-0168 Aluminum Engineer Grade Street Signs (10 14 53 11-0167)		
10 14 53 11-0169 EA 6" High, Aluminum Engineer Grade Street Sign.....	57.96	7.01
10 14 53 11-0170 EA 8" High, Aluminum Engineer Grade Street Sign.....	65.72	7.01
10 14 53 11-0171 EA 9" High, Aluminum Engineer Grade Street Sign.....	71.50	7.01
10 14 53 11-0172 Street Sign Accessories (10 14 53 11-0167)		
10 14 53 11-0173 EA Post Cap And Single Bracket For Street Sign.....	17.58	3.51
10 14 53 11-0174 EA Post Cap And Double Bracket For Street Sign.....	17.58	3.51
10 14 53 11-0175 Sign Posts (10 14 53 11-0001) Note: Excludes sign. See CSI section 32 31 13 13-0001 for auguring of holes and backfill.		
10 14 53 11-0176 U-Channel Sign Posts (10 14 53 11-0175) Note: Excludes digging and concrete.		
10 14 53 11-0177 Baked Enamel U-Channel Sign Posts (10 14 53 11-0176)		
10 14 53 11-0178 EA 3' To 4' Baked Enamel U-Channel Sign Post Base.....	46.94	14.30
10 14 53 11-0179 EA 6' Baked Enamel U-Channel Sign Post.....	61.55	17.88
10 14 53 11-0180 EA 7' Baked Enamel U-Channel Sign Post.....	73.49	21.45
10 14 53 11-0181 EA 8' Baked Enamel U-Channel Sign Post.....	86.04	25.03
10 14 53 11-0182 EA 10' Baked Enamel U-Channel Sign Post.....	103.83	30.39
10 14 53 11-0183 EA 12' Baked Enamel U-Channel Sign Post.....	106.77	30.39
10 14 53 11-0184 Galvanized Steel U-Channel Sign Posts (10 14 53 11-0176)		
10 14 53 11-0185 EA 3' To 4' Galvanized Steel U-Channel Sign Post Base.....	50.72	14.30
10 14 53 11-0186 EA 6' Galvanized Steel U-Channel Sign Post.....	67.55	17.88
10 14 53 11-0187 EA 7' Galvanized Steel U-Channel Sign Post.....	87.06	21.45
10 14 53 11-0188 EA 8' Galvanized Steel U-Channel Sign Post.....	101.04	25.03
10 14 53 11-0189 EA 10' Galvanized Steel U-Channel Sign Post.....	114.75	30.39
10 14 53 11-0190 EA 12' Galvanized Steel U-Channel Sign Post.....	116.27	30.39
10 14 53 11-0191 Fiberglass Or Composite Plastic U-Channel Sign Posts (10 14 53 11-0176)		
10 14 53 11-0192 EA 3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base.....	46.05	14.30
10 14 53 11-0193 EA 6' Fiberglass Or Composite Plastic U-Channel Sign Post.....	59.61	17.88
10 14 53 11-0194 EA 7' Fiberglass Or Composite Plastic U-Channel Sign Post.....	71.15	21.45
10 14 53 11-0195 EA 8' Fiberglass Or Composite Plastic U-Channel Sign Post.....	83.25	25.03
10 14 53 11-0196 EA 10' Fiberglass Or Composite Plastic U-Channel Sign Post.....	98.77	30.39
10 14 53 11-0197 EA 12' Fiberglass Or Composite Plastic U-Channel Sign Post.....	103.77	30.39
10 14 53 11-0198 Tubular Sign Posts (10 14 53 11-0175) Note: Excludes digging and concrete.		
10 14 53 11-0199 2-3/8" Diameter, Galvanized Steel Tubular Sign Post (10 14 53 11-0198)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0200 EA 6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	68.17	17.88
10 14 53 11-0201 EA 7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	80.90	21.45
10 14 53 11-0202 EA 8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	95.54	25.03
10 14 53 11-0203 EA 10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	122.96	30.39
10 14 53 11-0204 EA 12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	133.26	30.39
10 14 53 11-0205 Square Sign Posts (10 14 53 11-0175) Note: Excludes digging and concrete.		
10 14 53 11-0206 Galvanized Steel Square Sign Posts (10 14 53 11-0205)		
10 14 53 11-0207 EA 3' To 4' Galvanized Steel Square Sign Post Base	51.56	14.30
10 14 53 11-0208 EA 6' Galvanized Steel Square Sign Post	81.76	17.88
10 14 53 11-0209 EA 7' Galvanized Steel Square Sign Post	95.90	21.45
10 14 53 11-0210 EA 8' Galvanized Steel Square Sign Post	111.86	25.03
10 14 53 11-0211 EA 10' Galvanized Steel Square Sign Post	136.58	30.39
10 14 53 11-0212 EA 12' Galvanized Steel Square Sign Post	143.77	30.39
10 14 53 11-0213 Sign Post Accessories (10 14 53 11-0001)		
10 14 53 11-0214 Sign Post Brackets (10 14 53 11-0213)		
10 14 53 11-0215 EA 2-3/8" Outside Diameter, Single Sign Bracket Set.....	23.21	5.26
10 14 53 11-0216 EA 2-3/8" Outside Diameter, Double Sign Bracket Set.....	41.82	8.77
10 14 53 11-0217 EA 10 cm - 37 cm Diameter, Buckle Bracket Set	36.01	7.01
10 14 53 11-0218 Sign Post Caps (10 14 53 11-0213)		
10 14 53 11-0219 EA Traffic Sign Post Cap	12.90	3.51
10 14 53 11-0220 Sign Post Replacement Bolts (10 14 53 11-0213)		
10 14 53 11-0221 EA Signage Fasteners, 2 Bolts, 2 Nuts And 4 Washers	9.00	
10 14 53 11-0222 Removal Of Signs (10 14 53 11) Note: Includes structural supports.		
10 14 53 11-0223 EA >4 To 10 SF Sign Area, Sign Removal	140.26	
10 14 53 11-0224 EA >10 To 20 SF Sign Area, Sign Removal	336.62	
10 14 53 11-0225 EA >20 To 40 SF Sign Area, Sign Removal	504.93	
10 14 53 11-0226 EA >40 To 100 SF Sign Area, Sign Removal	819.44	
10 14 53 11-0227 Remove And Reinstall Signs (10 14 53 11) Note: Includes structural supports.		
10 14 53 11-0228 EA >4 To 10 SF Sign Area, Removal And Reinstallation Of Sign.....	213.68	
10 14 53 11-0229 EA >10 To 20 SF Sign Area, Removal And Reinstallation Of Sign.....	507.28	
10 14 53 11-0230 EA >20 SF To 40 SF Sign Area, Removal And Reinstallation Of Sign.....	759.39	
10 14 53 11-0231 EA >40 SF To 100 SF Sign Area, Removal And Reinstallation Of Sign.....	1,231.02	
10 14 53 11-0232 EA Removal And Reinstallation Of Street Sign On Post.....	80.65	
10 14 53 11-0233 EA Removal And Relocation Of Traffic Light.....	289.39	
Note: Excludes electrical hookup.		
10 14 56 Bridge Signage (10 14)		
10 14 56 00-0001 Bridge And Truss Mounted Signs (10 14 56)		
10 14 56 00-0002 Removal Of Bridge And Truss Mounted Signs (10 14 56 00-0001)		
10 14 56 00-0003 CF Removal Of Foundation, Including Excavation	13.16	
10 14 56 00-0004 LF Removal Of Truss And Supports	181.19	
10 14 56 00-0005 SF Removal Of Sign Face.....	8.28	
10 14 56 00-0006 SF Removal Of Legend.....	13.81	
10 14 56 00-0007 EA Removal Of Changeable Message Panel.....	159.29	
10 14 56 00-0008 EA Removal Of Posts And Supports, Per Post.....	82.83	
10 14 56 00-0009 Fabricate And Install New Reflective Messages On Sign Face (10 14 56 00-0001)		
10 14 56 00-0010 One Color/3 Dimensional Demountable Letters (10 14 56 00-0009)		
10 14 56 00-0011 EA 6" Capital Height Letter	22.15	
10 14 56 00-0012 EA 8" Capital Height Letter	26.01	
10 14 56 00-0013 EA 10" Capital Height Letter	29.83	
10 14 56 00-0014 EA 12" Capital Height Letter.....	33.27	
10 14 56 00-0015 EA 14" Capital Height Letter.....	35.11	
10 14 56 00-0016 Two Color Legend Shields-Die Cut Vinyl Engineer Grade (10 14 56 00-0009)		
10 14 56 00-0017 EA 6" Legend/Shields.....	22.77	
10 14 56 00-0018 EA 8" Legend/Shields.....	26.83	
10 14 56 00-0019 EA 10" Legend/Shields.....	30.86	



Specialties	10	10
Information Specialties	10 10	
Signage	10 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 14 56 00-0020	EA	12" Legend/Shields.....	34.51	
10 14 56 00-0021	EA	14" Legend/Shields.....	36.57	

10 20 Interior Specialties⁽¹⁰⁾

10 21 Compartments And Cubicles^(10 20)

10 21 13 Toilet Compartments^(10 21)

10 21 13 13 Metal Toilet Compartments^(10 21 13)

10 21 13 13-0001 Enamel Coated Steel Toilet Partitions And Urinal Screens^(10 21 13 13)

Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of galvanized sheet metal, cleaned, primed and finished with oven baked enamel or epoxy coating.

10 21 13 13-0002 Enamel Coated Steel Toilet Partitions^(10 21 13 13-0001)

Note: All colors.

10 21 13 13-0003 Floor Anchored, Enamel Coated Steel, Complete Toilet Partitions^(10 21 13 13-0002)

10 21 13 13-0004	EA	36" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition.....	800.30	108.56
		<i>For >10, Deduct</i>	-58.32	
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	137.39	
10 21 13 13-0005	EA	60" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	965.04	118.21
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	137.39	
10 21 13 13-0006	EA	60" x 78", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,029.99	123.04
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	137.39	

10 21 13 13-0007 Overhead Braced, Enamel Coated Steel, Complete Toilet Partitions^(10 21 13 13-0002)

Note: Includes headrail.

10 21 13 13-0008	EA	36" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition.....	837.46	132.69
		<i>For >10, Deduct</i>	-57.21	
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	137.39	
10 21 13 13-0009	EA	60" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	970.35	142.34
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	137.39	
10 21 13 13-0010	EA	60" x 78", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,025.03	147.16
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	137.39	

10 21 13 13-0011 Floor And Ceiling Anchored, Enamel Coated Steel, Complete Toilet Partitions^(10 21 13 13-0002)

Note: Excludes above ceiling steel.

10 21 13 13-0012	EA	36" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	988.49	156.81
		<i>For >10, Deduct</i>	-67.49	
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	137.39	
10 21 13 13-0013	EA	60" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,148.92	166.47
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	137.39	
10 21 13 13-0014	EA	60" x 78", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,205.99	171.28
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	137.39	

10 21 13 13-0015 Ceiling Hung, Enamel Coated Steel, Complete Toilet Partitions^(10 21 13 13-0002)

Note: Excludes above ceiling steel.

10 21 13 13-0016	EA	36" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	961.67	180.94
		<i>For >10, Deduct</i>	-59.98	
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	137.39	
10 21 13 13-0017	EA	60" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,148.58	190.59
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	137.39	
10 21 13 13-0018	EA	60" x 78", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,211.92	195.42
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	137.39	

10 21 13 13-0019 Enamel Coated Steel Urinal Screens^(10 21 13 13-0001)

Note: All colors.

10 21 13 13-0020 Floor Anchored, Enamel Coated Steel, Urinal Screens^(10 21 13 13-0019)

10 21 13 13-0021	EA	24" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen.....	425.94	67.53
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
10 21 13 13-0022	EA	36" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen.....	471.62	72.36
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0023	EA		48" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	518.65 38.07	77.17
10 21 13 13-0024			Wall Hung, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)		
10 21 13 13-0025	EA		18" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	245.97 38.07	57.88
10 21 13 13-0026	EA		24" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	265.32 38.07	62.71
10 21 13 13-0027	EA		30" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	280.50 38.07	67.53
10 21 13 13-0028			Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)		
10 21 13 13-0029	EA		18" x 30" x 1", Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	315.13 38.07	62.71
10 21 13 13-0030			Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)		
10 21 13 13-0031	EA		18" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	351.20 38.07	62.71
10 21 13 13-0032	EA		24" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	374.70 38.07	67.53
10 21 13 13-0033	EA		30" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	398.19 38.07	72.36
10 21 13 13-0034			Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)		
10 21 13 13-0035	EA		22" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	395.47 38.07	67.53
10 21 13 13-0036	EA		34" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	424.51 38.07	72.36
10 21 13 13-0037	EA		46" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	468.79 38.07	77.17
10 21 13 13-0038			Enamel Coated Steel Toilet Partition Doors, Panels And Pilasters (10 21 13 13-0001)		
			Note: All colors. See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		
10 21 13 13-0039			Enamel Coated Steel, Toilet Partition Doors (10 21 13 13-0038)		
10 21 13 13-0040	EA		24" x 58" x 1", Enamel Coated Steel, Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	249.15 61.26	19.30
10 21 13 13-0041	EA		26" x 58" x 1", Enamel Coated Steel, Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	254.69 61.26	19.30
10 21 13 13-0042	EA		30" x 58" x 1", Enamel Coated Steel, Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	270.06 61.26	20.74
10 21 13 13-0043	EA		34" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	294.99 61.26	20.74
10 21 13 13-0044	EA		36" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	300.53 61.26	20.74
10 21 13 13-0045			Enamel Coated Steel, Toilet Partition Panels (10 21 13 13-0038)		
10 21 13 13-0046	EA		6" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	182.57 38.07	28.95
10 21 13 13-0047	EA		12" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	201.25 38.07	31.36
10 21 13 13-0048	EA		18" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	219.92 38.07	33.78
10 21 13 13-0049	EA		24" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	238.60 38.07	36.19
10 21 13 13-0050	EA		30" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	257.28 38.07	38.60
10 21 13 13-0051	EA		36" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	275.95 38.07	41.02
10 21 13 13-0052	EA		42" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	293.24 38.07	43.43
10 21 13 13-0053	EA		48" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	311.93 38.07	45.83
10 21 13 13-0054	EA		55" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	325.06 38.07	48.25
10 21 13 13-0055	EA		58" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	332.53 42.00 38.07	49.21
10 21 13 13-0056	EA		60" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	342.34 42.00 38.07	50.66
10 21 13 13-0057	EA		70" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	373.50 42.00 38.07	53.07



Specialties	10
Interior Specialties	10 20
Compartments And Cubicles	10 21

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13 13-0058	EA	78" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	400.48 42.00 38.07	55.49
10 21	13 13-0059		70" Long, Enamel Coated Steel, Toilet Partition Pilasters <small>(10 21 13 13-0038)</small>		
10 21	13 13-0060	EA	Up To 4" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	137.00 38.07	14.48
10 21	13 13-0061	EA	5" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	151.52 38.07	16.88
10 21	13 13-0062	EA	6" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	167.42 38.07	19.30
10 21	13 13-0063	EA	8" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	194.42 38.07	21.71
10 21	13 13-0064	EA	10" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	220.01 38.07	24.12
10 21	13 13-0065	EA	12" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	245.61 38.07	26.54
10 21	13 13-0066	EA	18" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	315.55 38.07	28.95
10 21	13 13-0067	EA	22" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	361.93 38.07	31.36
10 21	13 13-0068	EA	24" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	388.92 38.07	33.78
10 21	13 13-0069		82" Long, Enamel Coated Steel, Toilet Partition Pilasters <small>(10 21 13 13-0038)</small>		
10 21	13 13-0070	EA	Up To 4" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	110.68 38.07	14.48
10 21	13 13-0071	EA	5" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	121.05 38.07	16.88
10 21	13 13-0072	EA	6" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	132.79 38.07	19.30
10 21	13 13-0073	EA	8" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	150.09 38.07	21.71
10 21	13 13-0074	EA	10" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	165.99 38.07	24.12
10 21	13 13-0075	EA	12" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	183.28 38.07	26.54
10 21	13 13-0076	EA	18" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	225.51 38.07	28.95
10 21	13 13-0077	EA	22" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	253.89 38.07	31.36
10 21	13 13-0078	EA	24" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	271.17 38.07	33.78
10 21	13 13-0079		96" To 120" Long, Enamel Coated Steel, Partition Pilasters <small>(10 21 13 13-0038)</small>		
10 21	13 13-0080	EA	Up To 4" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	153.57 38.07	19.30
10 21	13 13-0081	EA	5" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	168.10 38.07	21.71
10 21	13 13-0082	EA	6" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	184.00 38.07	24.12
10 21	13 13-0083	EA	8" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	210.98 38.07	26.54
10 21	13 13-0084	EA	10" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	236.59 38.07	28.95
10 21	13 13-0085	EA	12" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	262.20 38.07	31.36
10 21	13 13-0086	EA	18" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	332.12 38.07	33.78
10 21	13 13-0087	EA	22" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	378.51 38.07	36.19
10 21	13 13-0088	EA	24" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	405.49 38.07	38.60
10 21	13 14		Stainless-Steel Toilet Compartments <small>(10 21 13)</small>		
10 21	13 14-0001		Stainless Steel Toilet Partitions And Urinal Screens <small>(10 21 13 14)</small> Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of type 304 stainless steel. Includes satin finish.		
10 21	13 14-0002		Stainless Steel Toilet Partitions <small>(10 21 13 14-0001)</small>		
10 21	13 14-0003		Floor Anchored, Stainless Steel, Complete Toilet Partitions <small>(10 21 13 14-0002)</small>		
10 21	13 14-0004	EA	36" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,799.51 -158.24 137.39 553.83	108.56

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0005	EA		60" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,169.74	118.21
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	137.39	
			<i>For Diamond Pattern Finish, Add</i>	676.66	
10 21 13 14-0006	EA		60" x 78", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,272.40	123.04
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	137.39	
			<i>For Diamond Pattern Finish, Add</i>	709.21	
10 21 13 14-0007			Overhead Braced, Stainless Steel, Complete Toilet Partitions <small>(10 21 13 14-0002)</small>		
			Note: Includes headrail.		
10 21 13 14-0008	EA		36" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	1,533.33	132.69
			<i>For >10, Deduct</i>	-126.80	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	137.39	
			<i>For Diamond Pattern Finish, Add</i>	443.79	
10 21 13 14-0009	EA		60" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,861.86	142.34
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	137.39	
			<i>For Diamond Pattern Finish, Add</i>	552.01	
10 21 13 14-0010	EA		60" x 78", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,026.97	147.16
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	137.39	
			<i>For Diamond Pattern Finish, Add</i>	606.43	
10 21 13 14-0011			Floor And Ceiling Anchored, Stainless Steel, Complete Toilet Partitions <small>(10 21 13 14-0002)</small>		
			Note: Excludes above ceiling steel.		
10 21 13 14-0012	EA		36" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	2,117.45	156.81
			<i>For >10, Deduct</i>	-180.38	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	137.39	
			<i>For Diamond Pattern Finish, Add</i>	631.34	
10 21 13 14-0013	EA		60" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,270.64	166.47
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	137.39	
			<i>For Diamond Pattern Finish, Add</i>	678.20	
10 21 13 14-0014	EA		60" x 78", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,376.25	171.28
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	137.39	
			<i>For Diamond Pattern Finish, Add</i>	711.78	
10 21 13 14-0015			Ceiling Hung, Stainless Steel, Complete Toilet Partitions <small>(10 21 13 14-0002)</small>		
			Note: Excludes above ceiling steel.		
10 21 13 14-0016	EA		36" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	2,125.39	180.94
			<i>For >10, Deduct</i>	-176.35	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	137.39	
			<i>For Diamond Pattern Finish, Add</i>	617.23	
10 21 13 14-0017	EA		60" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,579.90	190.59
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	137.39	
			<i>For Diamond Pattern Finish, Add</i>	769.55	
10 21 13 14-0018	EA		60" x 78", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,711.64	195.42
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	137.39	
			<i>For Diamond Pattern Finish, Add</i>	812.28	
10 21 13 14-0019			Stainless Steel Urinal Screens <small>(10 21 13 14-0001)</small>		
10 21 13 14-0020			Floor Anchored, Stainless Steel, Urinal Screens <small>(10 21 13 14-0019)</small>		
10 21 13 14-0021	EA		24" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen	601.55	67.53
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
			<i>For Diamond Pattern Finish, Add</i>	163.28	
10 21 13 14-0022	EA		36" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen	679.95	72.36
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
			<i>For Diamond Pattern Finish, Add</i>	187.33	
10 21 13 14-0023	EA		48" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen	695.22	77.17
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
			<i>For Diamond Pattern Finish, Add</i>	189.31	
10 21 13 14-0024			Wall Hung, Stainless Steel, Urinal Screens <small>(10 21 13 14-0019)</small>		
10 21 13 14-0025	EA		18" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen	446.71	57.88
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
			<i>For Diamond Pattern Finish, Add</i>	115.83	
10 21 13 14-0026	EA		24" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen	483.39	62.71
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
			<i>For Diamond Pattern Finish, Add</i>	125.29	
10 21 13 14-0027	EA		30" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen	527.50	67.53
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
			<i>For Diamond Pattern Finish, Add</i>	137.36	
10 21 13 14-0028			Wall Hung And Post Supported, Stainless Steel, Urinal Screens <small>(10 21 13 14-0019)</small>		



Specialties	10	10
Interior Specialties	10 20	
Compartments And Cubicles	10 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0029 EA 18" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	717.69 38.07 207.30	62.71
10 21 13 14-0030 EA 24" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	752.66 38.07 216.16	67.53
10 21 13 14-0031 EA 30" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	787.46 38.07 224.97	72.36
10 21 13 14-0032 Wall Hung And Overhead Braced, Stainless Steel, Urinal Screens <small>(10 21 13 14-0019)</small>		
10 21 13 14-0033 EA 22" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	601.55 38.07 163.28	67.53
10 21 13 14-0034 EA 34" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	679.94 38.07 187.33	72.36
10 21 13 14-0035 EA 46" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	761.56 38.07 212.52	77.17
10 21 13 14-0036 Stainless Steel Toilet Partition Doors, Panels And Pilasters <small>(10 21 13 14-0001)</small> See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		
10 21 13 14-0037 Stainless Steel, Toilet Partition Doors <small>(10 21 13 14-0036)</small>		
10 21 13 14-0038 EA 24" x 58" x 1", Stainless Steel, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	391.49 61.26 123.51	19.30
10 21 13 14-0039 EA 26" x 58" x 1", Stainless Steel, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	447.23 61.26 143.02	19.30
10 21 13 14-0040 EA 30" x 58" x 1", Stainless Steel, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	459.78 61.26 145.72	21.71
10 21 13 14-0041 EA 34" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	475.87 61.26 151.35	21.71
10 21 13 14-0042 EA 36" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	480.34 61.26 152.92	21.71
10 21 13 14-0043 Stainless Steel, Toilet Partition Panels <small>(10 21 13 14-0036)</small>		
10 21 13 14-0044 EA 6" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	341.07 38.07 99.11	28.95
10 21 13 14-0045 EA 12" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	378.60 38.07 110.55	31.36
10 21 13 14-0046 EA 18" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	394.73 38.07 114.51	33.78
10 21 13 14-0047 EA 24" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	413.01 38.07 119.22	36.19
10 21 13 14-0048 EA 30" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	443.23 38.07 128.11	38.60
10 21 13 14-0049 EA 36" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	478.29 38.07 138.69	41.02
10 21 13 14-0050 EA 42" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	558.54 38.07 165.09	43.43
10 21 13 14-0051 EA 48" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	611.17 38.07 181.82	45.83
10 21 13 14-0052 EA 55" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	627.31 38.07 185.78	48.25
10 21 13 14-0053 EA 58" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	658.17 38.07 195.91	49.21
10 21 13 14-0054 EA 60" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	698.80 38.07 209.12	50.66
10 21 13 14-0055 EA 70" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	732.20 38.07 219.11	53.07
10 21 13 14-0056 EA 78" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	802.79 38.07 242.14	55.49

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0057			70" Long, Stainless Steel, Toilet Partition Pilasters <small>(10 21 13 14-0036)</small>		
10 21 13 14-0058	EA		Up To 4" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	235.24	14.48
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
			<i>For Diamond Pattern Finish, Add</i>	72.20	
10 21 13 14-0059	EA		5" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	256.42	16.88
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
			<i>For Diamond Pattern Finish, Add</i>	77.92	
10 21 13 14-0060	EA		6" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	278.85	19.30
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
			<i>For Diamond Pattern Finish, Add</i>	84.09	
10 21 13 14-0061	EA		8" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	317.64	21.71
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
			<i>For Diamond Pattern Finish, Add</i>	95.97	
10 21 13 14-0062	EA		10" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	356.42	24.12
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
			<i>For Diamond Pattern Finish, Add</i>	107.86	
10 21 13 14-0063	EA		12" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	395.21	26.54
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
			<i>For Diamond Pattern Finish, Add</i>	119.75	
10 21 13 14-0064	EA		18" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	500.66	28.95
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
			<i>For Diamond Pattern Finish, Add</i>	154.97	
10 21 13 14-0065	EA		22" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	573.42	31.36
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
			<i>For Diamond Pattern Finish, Add</i>	178.74	
10 21 13 14-0066	EA		24" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	612.20	33.78
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
			<i>For Diamond Pattern Finish, Add</i>	190.63	
10 21 13 14-0067			82" Long, Stainless Steel, Toilet Partition Pilasters <small>(10 21 13 14-0036)</small>		
10 21 13 14-0068	EA		Up To 4" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	180.57	14.48
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
			<i>For Diamond Pattern Finish, Add</i>	53.07	
10 21 13 14-0069	EA		5" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	195.78	16.88
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
			<i>For Diamond Pattern Finish, Add</i>	56.70	
10 21 13 14-0070	EA		6" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	211.50	19.30
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
			<i>For Diamond Pattern Finish, Add</i>	60.52	
10 21 13 14-0071	EA		8" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	273.88	21.71
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
			<i>For Diamond Pattern Finish, Add</i>	80.66	
10 21 13 14-0072	EA		10" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	309.03	24.12
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
			<i>For Diamond Pattern Finish, Add</i>	91.27	
10 21 13 14-0073	EA		12" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	320.14	26.54
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
			<i>For Diamond Pattern Finish, Add</i>	93.47	
10 21 13 14-0074	EA		18" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	362.51	28.95
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
			<i>For Diamond Pattern Finish, Add</i>	106.61	
10 21 13 14-0075	EA		22" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	408.64	31.36
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
			<i>For Diamond Pattern Finish, Add</i>	121.07	
10 21 13 14-0076	EA		24" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	433.94	33.78
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
			<i>For Diamond Pattern Finish, Add</i>	128.24	
10 21 13 14-0077			96" To 120" Long, Stainless Steel, Toilet Partition Pilasters <small>(10 21 13 14-0036)</small>		
10 21 13 14-0078	EA		Up To 4" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	258.72	19.30
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
			<i>For Diamond Pattern Finish, Add</i>	77.04	
10 21 13 14-0079	EA		5" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	283.68	21.71
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
			<i>For Diamond Pattern Finish, Add</i>	84.09	
10 21 13 14-0080	EA		6" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	307.37	24.12
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
			<i>For Diamond Pattern Finish, Add</i>	90.69	
10 21 13 14-0081	EA		8" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	352.44	26.54
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
			<i>For Diamond Pattern Finish, Add</i>	104.78	
10 21 13 14-0082	EA		10" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	396.26	28.95
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
			<i>For Diamond Pattern Finish, Add</i>	118.43	
10 21 13 14-0083	EA		12" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	440.09	31.36
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
			<i>For Diamond Pattern Finish, Add</i>	132.08	
10 21 13 14-0084	EA		18" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	564.40	33.78
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
			<i>For Diamond Pattern Finish, Add</i>	173.90	



Specialties	10	10
Interior Specialties	10 20	
Compartments And Cubicles	10 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13 14-0085	EA	22" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	647.22 38.07 201.19	36.19
10 21	13 14-0086	EA	24" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	692.29 38.07 215.28	38.60
10 21 13 16 Plastic-Laminate-Clad Toilet Compartments (10 21 13)					
10 21	13 16-0001		Laminated Plastic Toilet Partitions And Urinal Screens (10 21 13 16) Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of a sandwich of high pressure decorative plastic laminate bonded to a solid industrial-grade particle board.		
10 21	13 16-0002		Laminated Plastic Toilet Partitions (10 21 13 16-0001) Note: Includes all standard Bobrick colors.		
10 21	13 16-0003		Floor Anchored, Laminated Plastic, Complete Toilet Partitions (10 21 13 16-0002)		
10 21	13 16-0004	EA	36" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	887.02 -66.99 110.38 137.39	108.56
10 21	13 16-0005	EA	60" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,077.83 110.39 137.39	118.21
10 21	13 16-0006	EA	60" x 78", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,157.93 110.40 137.39	123.04
10 21	13 16-0007		Overhead Braced, Laminated Plastic, Complete Toilet Partitions (10 21 13 16-0002) Note: Includes headrail.		
10 21	13 16-0008	EA	36" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	967.97 -70.26 110.41 137.39	132.69
10 21	13 16-0009	EA	60" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,166.95 110.42 137.39	142.34
10 21	13 16-0010	EA	60" x 78", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,253.17 110.42 137.39	147.16
10 21	13 16-0011		Ceiling Hung, Laminated Plastic, Complete Toilet Partitions (10 21 13 16-0002) Note: Excludes above ceiling steel.		
10 21	13 16-0012	EA	36" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,296.03 -93.42 110.46 137.39	180.94
10 21	13 16-0013	EA	60" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,501.31 110.47 137.39	190.59
10 21	13 16-0014	EA	60" x 78", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,581.40 110.48 137.39	195.42
10 21	13 16-0015		Laminated Plastic Urinal Screens (10 21 13 16-0001) Note: Includes all standard Bobrick colors.		
10 21	13 16-0016		Floor Anchored, Laminated Plastic, Urinal Screens (10 21 13 16-0015)		
10 21	13 16-0017	EA	24" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	384.89 38.07	67.53
10 21	13 16-0018	EA	36" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	419.05 38.07	72.36
10 21	13 16-0019	EA	48" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	433.50 38.07	77.17
10 21	13 16-0020		Wall Hung, Laminated Plastic, Urinal Screens (10 21 13 16-0015)		
10 21	13 16-0021	EA	18" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	301.72 38.07	57.88
10 21	13 16-0022	EA	24" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	318.37 38.07	62.71

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0023	EA		30" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	334.38 38.07	67.53
10 21 13 16-0024			Wall Hung And Post Supported, Laminated Plastic, Urinal Screens (10 21 13 16-0015)		
10 21 13 16-0025	EA		18" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	393.28 38.07	62.71
10 21 13 16-0026	EA		24" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	430.87 38.07	67.53
10 21 13 16-0027	EA		30" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	471.40 38.07	72.36
10 21 13 16-0028			Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screens (10 21 13 16-0015)		
10 21 13 16-0029	EA		24" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	365.47 38.07	62.71
10 21 13 16-0030	EA		36" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	400.32 38.07	67.53
10 21 13 16-0031	EA		48" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	414.37 38.07	72.36
10 21 13 16-0032			Laminated Plastic Toilet Partition Doors, Panels And Pilasters (10 21 13 16-0001) Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0000 for accessories.		
10 21 13 16-0033			Laminated Plastic, Toilet Partition Doors (10 21 13 16-0032)		
10 21 13 16-0034	EA		24" x 58" x 1", Laminated Plastic, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	286.25 61.26	19.30
10 21 13 16-0035	EA		26" x 58" x 1", Laminated Plastic, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	310.32 61.26	19.30
10 21 13 16-0036	EA		30" x 58" x 1", Laminated Plastic, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	321.71 61.26	21.71
10 21 13 16-0037	EA		34" x 58" x 1", Laminated Plastic, ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	329.15 61.26	21.71
10 21 13 16-0038	EA		36" x 58" x 1", Laminated Plastic, ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	336.15 61.26	21.71
10 21 13 16-0039			Laminated Plastic, Toilet Partition Panels (10 21 13 16-0032)		
10 21 13 16-0040	EA		6" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	155.44 38.07	28.95
10 21 13 16-0041	EA		12" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	171.61 38.07	31.36
10 21 13 16-0042	EA		18" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	187.77 38.07	33.78
10 21 13 16-0043	EA		24" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	204.52 38.07	36.19
10 21 13 16-0044	EA		30" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	220.10 38.07	38.60
10 21 13 16-0045	EA		36" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	236.91 38.07	41.02
10 21 13 16-0046	EA		42" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	243.07 38.07	43.43
10 21 13 16-0047	EA		48" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	250.07 38.07	45.83
10 21 13 16-0048	EA		55" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	263.22 38.07	48.25
10 21 13 16-0049	EA		58" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	273.66 38.07	49.21
10 21 13 16-0050	EA		60" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	285.53 38.07	50.66
10 21 13 16-0051	EA		70" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	323.18 38.07	53.07
10 21 13 16-0052	EA		78" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	365.62 38.07	55.49
10 21 13 16-0053			69" Long, Laminated Plastic, Toilet Partition Pilasters (10 21 13 16-0032)		
10 21 13 16-0054	EA		Up To 4" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	122.15 7.69 38.07 93.20	14.48
10 21 13 16-0055	EA		5" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	140.98 8.84 38.07 107.20	16.88
10 21 13 16-0056	EA		6" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	145.80 8.84 38.07 107.20	19.30



	Specialties	10
	Interior Specialties	10 20
	Compartments And Cubicles	10 21

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0057	EA		8" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	161.13 9.71 38.07 117.70	21.71
10 21 13 16-0058	EA		10" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	169.01 9.96 38.07 120.76	24.12
10 21 13 16-0059	EA		12" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	183.90 10.79 38.07 130.83	26.54
10 21 13 16-0060	EA		18" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	231.61 14.33 38.07 173.71	28.95
10 21 13 16-0061	EA		22" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	278.44 17.80 38.07 215.71	31.36
10 21 13 16-0062	EA		24" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	311.70 20.14 38.07 244.15	33.78
10 21 13 16-0063			83" Long, Laminated Plastic, Toilet Partition Pilasters <small>(10 21 13 16-0032)</small>		
10 21 13 16-0064	EA		Up To 4" x 83" x 1", Laminated Plastic, Toilet Partiti Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	232.41 16.79 38.07 203.46	14.48
10 21 13 16-0065	EA		5" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	257.37 18.45 38.07 223.59	16.88
10 21 13 16-0066	EA		6" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	262.19 18.45 38.07 223.59	19.30
10 21 13 16-0067	EA		8" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	284.08 19.85 38.07 240.65	21.71
10 21 13 16-0068	EA		10" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	310.34 21.62 38.07 262.09	24.12
10 21 13 16-0069	EA		12" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	331.79 22.99 38.07 278.72	26.54
10 21 13 16-0070	EA		18" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	410.79 29.11 38.07 352.89	28.95
10 21 13 16-0071	EA		22" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	467.03 33.35 38.07 404.30	31.36
10 21 13 16-0072	EA		24" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	480.16 34.04 38.07 412.61	33.78
10 21 13 19			Plastic Toilet Compartments <small>(10 21 13)</small>		
10 21 13 19-0001			Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens <small>(10 21 13 19)</small> Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of high density polyethylene (HDPE). Includes Class B fire rating.		
10 21 13 19-0002			Recycled Solid Plastic (HDPE) Toilet Partitions <small>(10 21 13 19-0001)</small> Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0003			Overhead Braced, Recycled Solid Plastic (HDPE), Complete Toilet Partitions <small>(10 21 13 19-0002)</small> Note: Includes headrail.		
10 21 13 19-0004	EA		36" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partitiion <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,098.14 -83.28 137.39 516.32	132.69

10 Specialties

10 20 Interior Specialties

10 21 Compartments And Cubicles



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0005	EA		60" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,336.77	142.34
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	137.39	
			<i>For NFPA Class A, Add</i>	652.30	
10 21 13 19-0006	EA		60" x 78", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,473.71	147.16
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	137.39	
			<i>For NFPA Class A, Add</i>	731.22	
10 21 13 19-0007			Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), Complete Toilet Partitions <small>(10 21 13 19-0002)</small>		
			Note: Excludes above ceiling steel.		
10 21 13 19-0008	EA		36" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition.....	1,114.85	156.81
			<i>For >10, Deduct</i>	-80.12	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	137.39	
			<i>For NFPA Class A, Add</i>	496.76	
10 21 13 19-0009	EA		60" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,373.85	166.47
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	137.39	
			<i>For NFPA Class A, Add</i>	645.37	
10 21 13 19-0010	EA		60" x 78", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,510.80	171.28
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	137.39	
			<i>For NFPA Class A, Add</i>	724.30	
10 21 13 19-0011			Ceiling Hung, Recycled Solid Plastic (HDPE), Complete Toilet Partitions <small>(10 21 13 19-0002)</small>		
			Note: Excludes above ceiling steel.		
10 21 13 19-0012	EA		36" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition.....	1,181.27	180.94
			<i>For >10, Deduct</i>	-81.94	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	137.39	
			<i>For NFPA Class A, Add</i>	508.02	
10 21 13 19-0013	EA		60" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,384.20	190.59
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	137.39	
			<i>For NFPA Class A, Add</i>	621.87	
10 21 13 19-0014	EA		60" x 78", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,521.15	195.42
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	137.39	
			<i>For NFPA Class A, Add</i>	700.80	
10 21 13 19-0015			Recycled Solid Plastic (HDPE) Urinal Screens <small>(10 21 13 19-0001)</small>		
			Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0016			Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screens <small>(10 21 13 19-0015)</small>		
10 21 13 19-0017	EA		18" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen.....	275.30	57.88
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
			<i>For NFPA Class A, Add</i>	98.91	
10 21 13 19-0018	EA		24" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen.....	291.23	62.71
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
			<i>For NFPA Class A, Add</i>	102.81	
10 21 13 19-0019			Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screens <small>(10 21 13 19-0015)</small>		
10 21 13 19-0020	EA		18" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen.....	342.26	62.71
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
			<i>For NFPA Class A, Add</i>	134.45	
10 21 13 19-0021	EA		24" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen.....	424.18	67.53
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
			<i>For NFPA Class A, Add</i>	179.25	
10 21 13 19-0022	EA		30" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen.....	469.42	72.36
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
			<i>For NFPA Class A, Add</i>	201.33	
10 21 13 19-0023			Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screens <small>(10 21 13 19-0015)</small>		
10 21 13 19-0024	EA		24" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen.....	351.91	67.53
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
			<i>For NFPA Class A, Add</i>	134.45	
10 21 13 19-0025	EA		36" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen.....	433.82	72.36
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
			<i>For NFPA Class A, Add</i>	179.25	
10 21 13 19-0026	EA		48" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen.....	508.58	77.17
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
			<i>For NFPA Class A, Add</i>	219.62	



Specialties	10	10
Interior Specialties	10 20	
Compartments And Cubicles	10 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0027 Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters <small>(10 21 13 19-0001)</small> Note: Includes all standard Columbia Partitions colors. See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		
10 21 13 19-0028 Recycled Solid Plastic (HDPE), Toilet Partition Doors <small>(10 21 13 19-0027)</small>		
10 21 13 19-0029 EA 24" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door For Heavy Gauge Full-Height SS Hinge, Add For NFPA Class A, Add	252.95 61.26 132.90	19.30
10 21 13 19-0030 EA 26" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door For Heavy Gauge Full-Height SS Hinge, Add For NFPA Class A, Add	272.46 61.26 144.99	19.30
10 21 13 19-0031 EA 30" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door For Heavy Gauge Full-Height SS Hinge, Add For NFPA Class A, Add	296.65 61.26 157.00	21.71
10 21 13 19-0032 EA 34" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door For Heavy Gauge Full-Height SS Hinge, Add For NFPA Class A, Add	336.13 61.26 181.47	21.71
10 21 13 19-0033 EA 36" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door For Heavy Gauge Full-Height SS Hinge, Add For NFPA Class A, Add	345.47 61.26 187.26	21.71
10 21 13 19-0034 Recycled Solid Plastic (HDPE), Toilet Partition Panels <small>(10 21 13 19-0027)</small>		
10 21 13 19-0035 EA 6" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	105.41 38.07 29.46	28.95
10 21 13 19-0036 EA 12" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	157.75 38.07 58.91	31.36
10 21 13 19-0037 EA 18" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	210.07 38.07 88.36	33.78
10 21 13 19-0038 EA 24" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	242.93 38.07 105.74	36.19
10 21 13 19-0039 EA 30" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	290.39 38.07 132.18	38.60
10 21 13 19-0040 EA 36" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	310.12 38.07 141.42	41.02
10 21 13 19-0041 EA 42" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	346.28 38.07 160.85	43.43
10 21 13 19-0042 EA 48" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	388.17 38.07 183.82	45.83
10 21 13 19-0043 EA 55" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	422.66 38.07 202.22	48.25
10 21 13 19-0044 EA 58" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	431.78 38.07 206.68	49.21
10 21 13 19-0045 EA 60" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	446.16 38.07 213.80	50.66
10 21 13 19-0046 EA 70" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	501.30 38.07 244.99	53.07
10 21 13 19-0047 EA 78" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	539.05 38.07 265.41	55.49
10 21 13 19-0048 82" Long, Recycled Solid Plastic (HDPE), Toilet Partition Pilasters <small>(10 21 13 19-0027)</small>		
10 21 13 19-0049 EA Up To 4" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	120.47 38.07 56.74	14.48
10 21 13 19-0050 EA 5" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	134.48 38.07 62.43	16.88
10 21 13 19-0051 EA 6" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	146.87 38.07 67.13	19.30
10 21 13 19-0052 EA 8" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	158.46 38.07 71.32	21.71
10 21 13 19-0053 EA 10" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	177.73 38.07 80.28	24.12
10 21 13 19-0054 EA 12" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	196.99 38.07 89.23	26.54

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0055 EA 18" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	265.21 38.07 128.53	28.95
10 21 13 19-0056 EA 22" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	298.87 38.07 146.41	31.36
10 21 13 19-0057 EA 24" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	325.16 38.07 159.72	33.78
10 21 13 19-0058 96" To 120", Recycled Solid Plastic (HDPE), Toilet Partition Pilasters <small>(10 21 13 19-0027)</small>		
10 21 13 19-0059 EA Up To 4" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	148.22 38.07 67.96	19.30
10 21 13 19-0060 EA 5" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	163.48 38.07 74.43	21.71
10 21 13 19-0061 EA 6" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	180.20 38.07 81.81	24.12
10 21 13 19-0062 EA 8" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	203.63 38.07 93.35	26.54
10 21 13 19-0063 EA 10" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	227.26 38.07 105.00	28.95
10 21 13 19-0064 EA 12" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	250.69 38.07 116.54	31.36
10 21 13 19-0065 EA 18" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	316.82 38.07 154.55	33.78
10 21 13 19-0066 EA 22" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	353.39 38.07 174.23	36.19
10 21 13 19-0067 EA 24" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	383.75 38.07 190.06	38.60
10 21 13 19-0068 Antimicrobial Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens <small>(10 21 13 19)</small>		
Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and hardware as required. Constructed of high density polyethylene (HDPE). Includes Class B fire rating.		
10 21 13 19-0069 Antimicrobial Recycled Solid Plastic (HDPE) Toilet Partitions <small>(10 21 13 19-0068)</small>		
Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0070 Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions <small>(10 21 13 19-0069)</small>		
Note: Includes headrail.		
10 21 13 19-0071 EA 36" x 60", Overhead Braced, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,389.61 -112.42 137.39 697.03	132.69
10 21 13 19-0072 EA 60" x 60", Overhead Braced, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,705.02 137.39 880.61	142.34
10 21 13 19-0073 EA 60" x 78", Overhead Braced, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,886.51 137.39 987.16	147.16
10 21 13 19-0074 Floor And Ceiling Anchored, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions <small>(10 21 13 19-0069)</small>		
Note: Excludes above ceiling steel.		
10 21 13 19-0075 EA 36" x 60", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,395.28 -108.17 137.39 670.62	156.81
10 21 13 19-0076 EA 60" x 60", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,738.17 137.39 871.25	166.47



Specialties	10	10
Interior Specialties	10 20	
Compartments And Cubicles	10 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0077 EA 60" x 78", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,919.67 137.39 977.80	171.28
10 21 13 19-0078 Ceiling Hung, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions <small>(10 21 13 19-0069)</small>		
Note: Excludes above ceiling steel.		
10 21 13 19-0079 EA 36" x 60", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,468.07 -110.62 137.39 685.84	180.94
10 21 13 19-0080 EA 60" x 60", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,735.25 137.39 839.52	190.59
10 21 13 19-0081 EA 60" x 78", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,916.75 137.39 946.07	195.42
10 21 13 19-0082 Antimicrobial Recycled Solid Plastic (HDPE) Urinal Screens <small>(10 21 13 19-0068)</small>		
Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0083 Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens <small>(10 21 13 19-0082)</small>		
10 21 13 19-0084 EA 18" x 42" x 1", Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	331.13 38.07 133.53	57.88
10 21 13 19-0085 EA 24" x 42" x 1", Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	347.22 38.07 137.52	62.71
10 21 13 19-0086 Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens <small>(10 21 13 19-0082)</small>		
10 21 13 19-0087 EA 18" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	515.72 38.07 241.99	62.71
10 21 13 19-0088 EA 24" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	584.08 38.07 278.39	67.53
10 21 13 19-0089 EA 30" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	622.92 38.07 296.50	72.36
10 21 13 19-0090 Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens <small>(10 21 13 19-0082)</small>		
10 21 13 19-0091 EA 24" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	427.80 38.07 181.50	67.53
10 21 13 19-0092 EA 36" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	535.01 38.07 241.99	72.36
10 21 13 19-0093 EA 48" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	632.57 38.07 296.50	77.17
10 21 13 19-0094 Antimicrobial Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters <small>(10 21 13 19-0068)</small>		
Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0095 Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Doors <small>(10 21 13 19-0094)</small>		
10 21 13 19-0096 EA 24" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	327.97 61.26 179.41	19.30
10 21 13 19-0097 EA 26" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	354.31 61.26 195.74	19.30
10 21 13 19-0098 EA 30" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	385.27 61.26 211.94	21.71
10 21 13 19-0099 EA 34" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	438.57 61.26 244.99	21.71
10 21 13 19-0100 EA 36" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	451.18 61.26 252.81	21.71

10 Specialties
10 20 Interior Specialties
10 21 Compartments And Cubicles



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0101 Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panels (10 21 13 19-0094)		
EA 6" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	122.03	28.95
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
<i>For NFPA Class A, Add</i>	39.76	
EA 12" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	191.01	31.36
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
<i>For NFPA Class A, Add</i>	79.53	
EA 18" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	259.96	33.78
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
<i>For NFPA Class A, Add</i>	119.29	
EA 24" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	302.61	36.19
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
<i>For NFPA Class A, Add</i>	142.74	
EA 30" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	364.99	38.60
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
<i>For NFPA Class A, Add</i>	178.43	
EA 36" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	389.95	41.02
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
<i>For NFPA Class A, Add</i>	190.92	
EA 42" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	437.08	43.43
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
<i>For NFPA Class A, Add</i>	217.14	
EA 48" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	491.94	45.83
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
<i>For NFPA Class A, Add</i>	248.16	
EA 55" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	536.82	48.25
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
<i>For NFPA Class A, Add</i>	273.00	
EA 58" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	548.45	49.21
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
<i>For NFPA Class A, Add</i>	279.01	
EA 60" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	566.85	50.66
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
<i>For NFPA Class A, Add</i>	288.63	
EA 70" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	639.61	53.07
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
<i>For NFPA Class A, Add</i>	330.74	
EA 78" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	688.87	55.49
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
<i>For NFPA Class A, Add</i>	358.30	
10 21 13 19-0115 82" Long, Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters (10 21 13 19-0094)		
EA Up To 4" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	152.50	14.48
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
<i>For NFPA Class A, Add</i>	76.60	
EA 5" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	169.72	16.88
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
<i>For NFPA Class A, Add</i>	84.28	
EA 6" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	184.76	19.30
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
<i>For NFPA Class A, Add</i>	90.62	
EA 8" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	212.84	21.71
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
<i>For NFPA Class A, Add</i>	105.03	
EA 10" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	238.95	24.12
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
<i>For NFPA Class A, Add</i>	118.23	
EA 12" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	265.03	26.54
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
<i>For NFPA Class A, Add</i>	131.42	
EA 18" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	337.77	28.95
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
<i>For NFPA Class A, Add</i>	173.52	
EA 22" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	381.52	31.36
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
<i>For NFPA Class A, Add</i>	197.65	
EA 24" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	415.32	33.78
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
<i>For NFPA Class A, Add</i>	215.62	
10 21 13 19-0125 96" To 120", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters (10 21 13 19-0094)		
EA Up To 4" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	186.58	19.30
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
<i>For NFPA Class A, Add</i>	91.75	
EA 5" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	205.50	21.71
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
<i>For NFPA Class A, Add</i>	100.48	



	Specialties	10
	Interior Specialties	10 20
	Compartments And Cubicles	10 21

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0128 EA 6" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	226.40 38.07 110.45	24.12
10 21 13 19-0129 EA 8" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	256.33 38.07 126.02	26.54
10 21 13 19-0130 EA 10" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	286.54 38.07 141.76	28.95
10 21 13 19-0131 EA 12" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	316.47 38.07 157.32	31.36
10 21 13 19-0132 EA 18" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	404.08 38.07 208.65	33.78
10 21 13 19-0133 EA 22" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	451.73 38.07 235.20	36.19
10 21 13 19-0134 EA 24 x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	491.04 38.07 256.58	38.60
10 21 13 19-0135 Solid Phenolic Toilet Partitions And Urinal Screens <small>(10 21 13 19)</small> Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid phenolic (resin impregnated kraft paper) core with a high pressure decorative matte surface finish as an integral part of the core material. Includes Class B fire rating.		
10 21 13 19-0136 Solid Phenolic Toilet Partitions <small>(10 21 13 19-0135)</small> Note: Includes all standard Bobrick colors.		
10 21 13 19-0137 Floor Anchored, Solid Phenolic, Complete Toilet Partitions <small>(10 21 13 19-0136)</small>		
10 21 13 19-0138 EA 36" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,319.32 -110.22 137.39 242.32	108.56
10 21 13 19-0139 EA 60" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,613.39 137.39 300.98	118.21
10 21 13 19-0140 EA 60" x 78", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,797.19 137.39 338.04	123.04
10 21 13 19-0141 Overhead Braced, Solid Phenolic, Complete Toilet Partitions <small>(10 21 13 19-0136)</small> Note: Includes headrail.		
10 21 13 19-0142 EA 36" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,470.59 -120.52 137.39 266.36	132.69
10 21 13 19-0143 EA 60" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,776.18 137.39 327.45	142.34
10 21 13 19-0144 EA 60" x 78", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,968.74 137.39 366.34	147.16
10 21 13 19-0145 Floor And Ceiling Anchored, Solid Phenolic, Complete Toilet Partitions <small>(10 21 13 19-0136)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0146 EA 36" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,528.27 -121.46 137.39 270.76	156.81
10 21 13 19-0147 EA 60" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,831.71 137.39 331.39	166.47
10 21 13 19-0148 EA 60" x 78", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,015.51 137.39 368.44	171.28
10 21 13 19-0149 Ceiling Hung, Solid Phenolic, Complete Toilet Partitions <small>(10 21 13 19-0136)</small> Note: Excludes above ceiling steel.		

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0150	EA		36" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,520.30 -115.84 137.39 261.36	180.94
10 21 13 19-0151	EA		60" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,814.17 137.39 319.99	190.59
10 21 13 19-0152	EA		60" x 78", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,997.97 137.39 357.04	195.42
10 21 13 19-0153			Solid Phenolic Urinal Screens <small>(10 21 13 19-0135)</small> Note: Includes all standard Bobrick colors.		
10 21 13 19-0154			Floor Anchored, Solid Phenolic, Urinal Screens <small>(10 21 13 19-0153)</small>		
10 21 13 19-0155	EA		24" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	494.29 38.07 82.19	67.53
10 21 13 19-0156	EA		36" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	556.87 38.07 93.79	72.36
10 21 13 19-0157	EA		48" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	663.22 38.07 114.58	77.17
10 21 13 19-0158			Wall Hung, Solid Phenolic, Urinal Screens <small>(10 21 13 19-0153)</small>		
10 21 13 19-0159	EA		18" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	323.16 38.07 49.34	57.88
10 21 13 19-0160	EA		24" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	372.19 38.07 58.09	62.71
10 21 13 19-0161	EA		30" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	443.59 38.07 71.54	67.53
10 21 13 19-0162			Wall Hung And Post Supported, Solid Phenolic, Urinal Screens <small>(10 21 13 19-0153)</small>		
10 21 13 19-0163	EA		18" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	330.11 38.07 49.26	62.71
10 21 13 19-0164	EA		24" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	407.99 38.07 64.07	67.53
10 21 13 19-0165	EA		30" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	473.74 38.07 76.33	72.36
10 21 13 19-0166			Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screens <small>(10 21 13 19-0153)</small>		
10 21 13 19-0167	EA		22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	505.34 38.07 86.06	62.71
10 21 13 19-0168	EA		36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	568.30 38.07 97.73	67.53
10 21 13 19-0169	EA		48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	676.62 38.07 118.94	72.36
10 21 13 19-0170			Solid Phenolic Toilet Partition Doors, Panels And Pilasters <small>(10 21 13 19-0135)</small> Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		
10 21 13 19-0171			Solid Phenolic, Toilet Partition Doors <small>(10 21 13 19-0170)</small>		
10 21 13 19-0172	EA		24" x 58" x 3/4", Solid Phenolic, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	352.76 61.26 67.90	19.30
10 21 13 19-0173	EA		26" x 58" x 3/4", Solid Phenolic, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	364.57 61.26 70.38	19.30
10 21 13 19-0174	EA		30" x 58" x 3/4", Solid Phenolic, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	399.72 61.26 76.99	21.71
10 21 13 19-0175	EA		34" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	430.52 61.26 83.46	21.71
10 21 13 19-0176	EA		36" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	462.17 61.26 90.11	21.71



Specialties	10	10
Interior Specialties	10 20	
Compartments And Cubicles	10 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0177 Solid Phenolic, Toilet Partition Panels <small>(10 21 13 19-0170)</small>		
10 21 13 19-0178 EA 6" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel.....	123.38	28.95
For Heavy Gauge Full-Height SS Brackets, Add	38.07	
For NFPA Class A, Add	16.65	
10 21 13 19-0179 EA 12" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel.....	160.92	31.36
For Heavy Gauge Full-Height SS Brackets, Add	38.07	
For NFPA Class A, Add	23.76	
10 21 13 19-0180 EA 18" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel.....	214.81	33.78
For Heavy Gauge Full-Height SS Brackets, Add	38.07	
For NFPA Class A, Add	34.30	
10 21 13 19-0181 EA 24" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel.....	269.28	36.19
For Heavy Gauge Full-Height SS Brackets, Add	38.07	
For NFPA Class A, Add	44.97	
10 21 13 19-0182 EA 30" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel.....	299.41	38.60
For Heavy Gauge Full-Height SS Brackets, Add	38.07	
For NFPA Class A, Add	50.52	
10 21 13 19-0183 EA 36" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel.....	330.99	41.02
For Heavy Gauge Full-Height SS Brackets, Add	38.07	
For NFPA Class A, Add	56.38	
10 21 13 19-0184 EA 42" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel.....	384.05	43.43
For Heavy Gauge Full-Height SS Brackets, Add	38.07	
For NFPA Class A, Add	66.75	
10 21 13 19-0185 EA 48" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel.....	438.66	45.83
For Heavy Gauge Full-Height SS Brackets, Add	38.07	
For NFPA Class A, Add	77.45	
10 21 13 19-0186 EA 55" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel.....	467.54	48.25
For Heavy Gauge Full-Height SS Brackets, Add	38.07	
For NFPA Class A, Add	82.74	
10 21 13 19-0187 EA 58" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel.....	480.41	49.21
For Heavy Gauge Full-Height SS Brackets, Add	38.07	
For NFPA Class A, Add	85.14	
10 21 13 19-0188 EA 60" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel.....	489.87	50.66
For Heavy Gauge Full-Height SS Brackets, Add	38.07	
For NFPA Class A, Add	86.66	
10 21 13 19-0189 EA 70" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel.....	561.21	53.07
For Heavy Gauge Full-Height SS Brackets, Add	38.07	
For NFPA Class A, Add	100.87	
10 21 13 19-0190 EA 78" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel.....	673.66	55.49
For Heavy Gauge Full-Height SS Brackets, Add	38.07	
For NFPA Class A, Add	123.71	
10 21 13 19-0191 69" Long, Solid Phenolic, Toilet Partition Pilasters <small>(10 21 13 19-0170)</small>		
10 21 13 19-0192 EA Up To 4" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	170.28	14.48
For 1" Pilaster, Add	17.67	
For Heavy Gauge Full-Height SS Brackets, Add	38.07	
For NFPA Class A, Add	31.13	
10 21 13 19-0193 EA 5" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	196.11	16.88
For 1" Pilaster, Add	20.29	
For Heavy Gauge Full-Height SS Brackets, Add	38.07	
For NFPA Class A, Add	35.78	
10 21 13 19-0194 EA 6" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	200.93	19.30
For 1" Pilaster, Add	20.29	
For Heavy Gauge Full-Height SS Brackets, Add	38.07	
For NFPA Class A, Add	36.02	
10 21 13 19-0195 EA 8" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	232.45	21.71
For 1" Pilaster, Add	23.63	
For Heavy Gauge Full-Height SS Brackets, Add	38.07	
For NFPA Class A, Add	41.87	
10 21 13 19-0196 EA 10" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	261.34	24.12
For 1" Pilaster, Add	26.64	
For Heavy Gauge Full-Height SS Brackets, Add	38.07	
For NFPA Class A, Add	47.16	
10 21 13 19-0197 EA 12" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	290.22	26.54
For 1" Pilaster, Add	29.64	
For Heavy Gauge Full-Height SS Brackets, Add	38.07	
For NFPA Class A, Add	52.46	
10 21 13 19-0198 EA 16" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	369.00	28.95
For 1" Pilaster, Add	38.89	
For Heavy Gauge Full-Height SS Brackets, Add	38.07	
For NFPA Class A, Add	68.23	
10 21 13 19-0199 EA 20" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	451.27	31.36
For 1" Pilaster, Add	48.57	
For Heavy Gauge Full-Height SS Brackets, Add	38.07	
For NFPA Class A, Add	84.73	
10 21 13 19-0200 EA 24" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	474.47	33.78
For 1" Pilaster, Add	50.87	
For Heavy Gauge Full-Height SS Brackets, Add	38.07	
For NFPA Class A, Add	88.83	
10 21 13 19-0201 83" Long, Solid Phenolic, Toilet Partition Pilasters <small>(10 21 13 19-0170)</small>		

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0202 EA Up To 4" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	186.03	14.48
For 1" Plaster, Add	19.64	
For Heavy Gauge Full-Height SS Brackets, Add	38.07	
For NFPA Class A, Add	34.43	
10 21 13 19-0203 EA 5" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	217.99	16.88
For 1" Plaster, Add	23.03	
For Heavy Gauge Full-Height SS Brackets, Add	38.07	
For NFPA Class A, Add	40.37	
10 21 13 19-0204 EA 6" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	222.81	19.30
For 1" Plaster, Add	23.03	
For Heavy Gauge Full-Height SS Brackets, Add	38.07	
For NFPA Class A, Add	40.61	
10 21 13 19-0205 EA 8" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	257.83	21.71
For 1" Plaster, Add	26.80	
For Heavy Gauge Full-Height SS Brackets, Add	38.07	
For NFPA Class A, Add	47.20	
10 21 13 19-0206 EA 10" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	291.09	24.12
For 1" Plaster, Add	30.36	
For Heavy Gauge Full-Height SS Brackets, Add	38.07	
For NFPA Class A, Add	53.41	
10 21 13 19-0207 EA 12" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	324.58	26.54
For 1" Plaster, Add	33.94	
For Heavy Gauge Full-Height SS Brackets, Add	38.07	
For NFPA Class A, Add	59.67	
10 21 13 19-0208 EA 16" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	420.19	28.95
For 1" Plaster, Add	45.29	
For Heavy Gauge Full-Height SS Brackets, Add	38.07	
For NFPA Class A, Add	78.98	
10 21 13 19-0209 EA 20" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	499.19	31.36
For 1" Plaster, Add	54.56	
For Heavy Gauge Full-Height SS Brackets, Add	38.07	
For NFPA Class A, Add	94.79	
10 21 13 19-0210 EA 24" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	525.45	33.78
For 1" Plaster, Add	57.24	
For Heavy Gauge Full-Height SS Brackets, Add	38.07	
For NFPA Class A, Add	99.54	
10 21 13 19-0211 96" To 120" Long, Solid Phenolic, Toilet Partition Pilasters (10 21 13 19-0170)		
10 21 13 19-0212 EA Up To 4" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	211.43	19.30
For 1" Plaster, Add	21.60	
For Heavy Gauge Full-Height SS Brackets, Add	38.07	
For NFPA Class A, Add	38.22	
10 21 13 19-0213 EA 5" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	249.52	21.71
For 1" Plaster, Add	25.76	
For Heavy Gauge Full-Height SS Brackets, Add	38.07	
For NFPA Class A, Add	45.45	
10 21 13 19-0214 EA 6" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	254.34	24.12
For 1" Plaster, Add	25.76	
For Heavy Gauge Full-Height SS Brackets, Add	38.07	
For NFPA Class A, Add	45.69	
10 21 13 19-0215 EA 8" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	292.85	26.54
For 1" Plaster, Add	29.97	
For Heavy Gauge Full-Height SS Brackets, Add	38.07	
For NFPA Class A, Add	53.01	
10 21 13 19-0216 EA 10" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	330.49	28.95
For 1" Plaster, Add	34.07	
For Heavy Gauge Full-Height SS Brackets, Add	38.07	
For NFPA Class A, Add	60.14	
10 21 13 19-0217 EA 12" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	368.58	31.36
For 1" Plaster, Add	38.23	
For Heavy Gauge Full-Height SS Brackets, Add	38.07	
For NFPA Class A, Add	67.37	
10 21 13 19-0218 EA 16" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	481.03	33.78
For 1" Plaster, Add	51.69	
For Heavy Gauge Full-Height SS Brackets, Add	38.07	
For NFPA Class A, Add	90.21	
10 21 13 19-0219 EA 20" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	556.75	36.19
For 1" Plaster, Add	60.55	
For Heavy Gauge Full-Height SS Brackets, Add	38.07	
For NFPA Class A, Add	105.34	
10 21 13 19-0220 EA 24" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	586.07	38.60
For 1" Plaster, Add	63.61	
For Heavy Gauge Full-Height SS Brackets, Add	38.07	
For NFPA Class A, Add	110.72	

10 21 13 19-0221 Solid Color Reinforced Composite Toilet Partitions And Urinal Screens (10 21 13

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Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" plaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid color reinforced composite core with a high pressure decorative matte surface finish as an integral part of the core material.



Specialties	10	10
Interior Specialties	10 20	
Compartments And Cubicles	10 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0222			Solid Color Reinforced Composite Toilet Partitions (10 21 13 19-0221) Note: Includes all standard Bobrick colors.		
10 21 13 19-0223			Floor Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions (10 21 13 19-0222)		
10 21 13 19-0224	EA		36" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,451.58 -123.45 137.39	108.56
10 21 13 19-0225	EA		60" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,778.63 137.39	118.21
10 21 13 19-0226	EA		60" x 78", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,983.33 137.39	123.04
10 21 13 19-0227			Overhead Braced, Solid Color Reinforced Composite, Complete Toilet Partitions (10 21 13 19-0222) Note: Includes headrail.		
10 21 13 19-0228	EA		36" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,615.22 -134.99 137.39	132.69
10 21 13 19-0229	EA		60" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,955.16 137.39	142.34
10 21 13 19-0230	EA		60" x 78", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	2,169.67 137.39	147.16
10 21 13 19-0231			Floor And Ceiling Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions (10 21 13 19-0222) Note: Excludes above ceiling steel.		
10 21 13 19-0232	EA		36" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,674.03 -136.04 137.39	156.81
10 21 13 19-0233	EA		60" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	2,011.57 137.39	166.47
10 21 13 19-0234	EA		60" x 78", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	2,216.26 137.39	171.28
10 21 13 19-0235			Ceiling Hung, Solid Color Reinforced Composite, Complete Toilet Partitions (10 21 13 19-0222) Note: Excludes above ceiling steel.		
10 21 13 19-0236	EA		36" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,659.31 -129.74 137.39	180.94
10 21 13 19-0237	EA		60" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,986.13 137.39	190.59
10 21 13 19-0238	EA		60" x 78", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	2,190.83 137.39	195.42
10 21 13 19-0239			Solid Color Reinforced Composite Urinal Screens (10 21 13 19-0221) Note: Includes all standard Bobrick colors.		
10 21 13 19-0240			Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screens (10 21 13 19-0239)		
10 21 13 19-0241	EA		24" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	537.40 38.07	67.53
10 21 13 19-0242	EA		36" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	606.33 38.07	72.36
10 21 13 19-0243	EA		48" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	724.29 38.07	77.17
10 21 13 19-0244			Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screens (10 21 13 19-0239)		
10 21 13 19-0245	EA		18" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	348.05 38.07	57.88
10 21 13 19-0246	EA		24" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	401.80 38.07	62.71
10 21 13 19-0247	EA		30" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	480.61 38.07	67.53

10 Specialties

10 20 Interior Specialties

10 21 Compartments And Cubicles



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

10 21 13 19-0248 Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screens (10 21 13 19-0239)				
10 21 13 19-0249	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	354.68 38.07	62.71
10 21 13 19-0250	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	440.74 38.07	67.53
10 21 13 19-0251	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	513.22 38.07	72.36
10 21 13 19-0252 Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screens (10 21 13 19-0239)				
10 21 13 19-0253	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	550.94 38.07	62.71
10 21 13 19-0254	EA	36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	620.29 38.07	67.53
10 21 13 19-0255	EA	48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	740.45 38.07	72.36
10 21 13 19-0256 Solid Color Reinforced Composite Toilet Partition Doors, Panels And Pilasters (10 21 13 19-0221)				
Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0001 for other accessories.				
10 21 13 19-0257 Solid Color Reinforced Composite, Toilet Partition Doors (10 21 13 19-0256)				
10 21 13 19-0258	EA	24" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	390.46 61.26	19.30
10 21 13 19-0259	EA	26" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	403.69 61.26	19.30
10 21 13 19-0260	EA	30" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	442.47 61.26	21.71
10 21 13 19-0261	EA	34" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	476.97 61.26	21.71
10 21 13 19-0262	EA	36" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	512.41 61.26	21.71
10 21 13 19-0263 Solid Color Reinforced Composite, Toilet Partition Panels (10 21 13 19-0256)				
10 21 13 19-0264	EA	6" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	131.23 38.07	28.95
10 21 13 19-0265	EA	12" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	172.70 38.07	31.36
10 21 13 19-0266	EA	18" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	232.48 38.07	33.78
10 21 13 19-0267	EA	24" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	292.91 38.07	36.19
10 21 13 19-0268	EA	30" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	326.07 38.07	38.60
10 21 13 19-0269	EA	36" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	360.86 38.07	41.02
10 21 13 19-0270	EA	42" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	419.72 38.07	43.43
10 21 13 19-0271	EA	48" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	480.29 38.07	45.83
10 21 13 19-0272	EA	55" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	512.07 38.07	48.25
10 21 13 19-0273	EA	58" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	526.25 38.07	49.21
10 21 13 19-0274	EA	60" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	536.50 38.07	50.66
10 21 13 19-0275	EA	70" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	615.82 38.07	53.07
10 21 13 19-0276	EA	78" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	741.18 38.07	55.49
10 21 13 19-0277 69" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters (10 21 13 19-0256)				
10 21 13 19-0278	EA	Up To 4" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	187.24 19.79 38.07	14.48
10 21 13 19-0279	EA	5" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	215.59 22.73 38.07	16.88
10 21 13 19-0280	EA	6" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	220.41 22.73 38.07	19.30



Specialties	10	10
Interior Specialties	10 20	
Compartments And Cubicles	10 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13 19-0281	EA	8" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	255.13	21.71
			<i>For 1" Pilaster, Add</i>	26.46	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
10 21	13 19-0282	EA	10" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	286.91	24.12
			<i>For 1" Pilaster, Add</i>	29.83	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
10 21	13 19-0283	EA	12" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	318.68	26.54
			<i>For 1" Pilaster, Add</i>	33.20	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
10 21	13 19-0284	EA	16" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	406.33	28.95
			<i>For 1" Pilaster, Add</i>	43.55	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
10 21	13 19-0285	EA	20" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	497.90	31.36
			<i>For 1" Pilaster, Add</i>	54.40	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
10 21	13 19-0286	EA	24" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	523.30	33.78
			<i>For 1" Pilaster, Add</i>	56.97	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
10 21	13 19-0287		83" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters <small>(10 21 13 19-0286)</small>		
10 21	13 19-0288	EA	Up To 4" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	204.88	14.48
			<i>For 1" Pilaster, Add</i>	21.99	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
10 21	13 19-0289	EA	5" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	240.09	16.88
			<i>For 1" Pilaster, Add</i>	25.79	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
10 21	13 19-0290	EA	6" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	244.91	19.30
			<i>For 1" Pilaster, Add</i>	25.79	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
10 21	13 19-0291	EA	8" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	283.56	21.71
			<i>For 1" Pilaster, Add</i>	30.02	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
10 21	13 19-0292	EA	10" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	320.23	24.12
			<i>For 1" Pilaster, Add</i>	34.00	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
10 21	13 19-0293	EA	12" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	357.16	26.54
			<i>For 1" Pilaster, Add</i>	38.01	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
10 21	13 19-0294	EA	16" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	463.67	28.95
			<i>For 1" Pilaster, Add</i>	50.72	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
10 21	13 19-0295	EA	20" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	551.57	31.36
			<i>For 1" Pilaster, Add</i>	61.11	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
10 21	13 19-0296	EA	24" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	580.40	33.78
			<i>For 1" Pilaster, Add</i>	64.11	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
10 21	13 19-0297		96" To 120" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters <small>(10 21 13 19-0286)</small>		
10 21	13 19-0298	EA	Up To 4" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	232.17	19.30
			<i>For 1" Pilaster, Add</i>	24.20	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
10 21	13 19-0299	EA	5" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	274.25	21.71
			<i>For 1" Pilaster, Add</i>	28.85	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
10 21	13 19-0300	EA	6" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	279.07	24.12
			<i>For 1" Pilaster, Add</i>	28.85	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
10 21	13 19-0301	EA	8" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	321.62	26.54
			<i>For 1" Pilaster, Add</i>	33.57	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
10 21	13 19-0302	EA	10" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	363.20	28.95
			<i>For 1" Pilaster, Add</i>	38.16	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
10 21	13 19-0303	EA	12" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	405.28	31.36
			<i>For 1" Pilaster, Add</i>	42.82	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
10 21	13 19-0304	EA	16" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	530.65	33.78
			<i>For 1" Pilaster, Add</i>	57.89	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
10 21	13 19-0305	EA	20" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	614.87	36.19
			<i>For 1" Pilaster, Add</i>	67.81	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
10 21	13 19-0306	EA	24" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	647.14	38.60
			<i>For 1" Pilaster, Add</i>	71.24	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0307			Solid Polyester (Corian) Toilet Partitions And Urinal Screens <small>(10 21 13 19)</small> Note: Complete toilet partitions for corner installations. Includes 1/2" door (1" at edge), 1" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Produced or cast by combining unsaturated polyester resin with a combination of fillers, pigments and catalysts.		
10 21 13 19-0308			Solid Polyester (Corian) Toilet Partitions <small>(10 21 13 19-0307)</small> Note: Small particulate finish.		
10 21 13 19-0309			Floor Anchored, Solid Polyester (Corian), Complete Toilet Partitions <small>(10 21 13 19-0308)</small>		
10 21 13 19-0310	EA		36" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition.....	2,820.65	108.56
			<i>For >10, Deduct</i>	-260.35	
			<i>For Solid Color Material (No Particulate), Deduct</i>	-598.81	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	137.39	
10 21 13 19-0311	EA		60" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	3,399.79	118.21
			<i>For Solid Color Material (No Particulate), Deduct</i>	-727.58	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	137.39	
10 21 13 19-0312	EA		60" x 78", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	3,766.16	123.04
			<i>For Solid Color Material (No Particulate), Deduct</i>	-809.62	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	137.39	
10 21 13 19-0313			Overhead Braced, Solid Polyester (Corian), Complete Toilet Partitions <small>(10 21 13 19-0308)</small>		
10 21 13 19-0314	EA		36" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition.....	2,939.80	132.69
			<i>For >10, Deduct</i>	-267.44	
			<i>For Solid Color Material (No Particulate), Deduct</i>	-615.12	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	137.39	
10 21 13 19-0315	EA		60" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	3,846.01	142.34
			<i>For Solid Color Material (No Particulate), Deduct</i>	-819.11	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	137.39	
10 21 13 19-0316	EA		60" x 78", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	4,252.31	147.16
			<i>For Solid Color Material (No Particulate), Deduct</i>	-910.34	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	137.39	
10 21 13 19-0317			Floor And Ceiling Anchored, Solid Polyester (Corian), Complete Toilet Partitions <small>(10 21 13 19-0308)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0318	EA		36" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition.....	3,297.40	156.81
			<i>For >10, Deduct</i>	-298.38	
			<i>For Solid Color Material (No Particulate), Deduct</i>	-686.27	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	137.39	
10 21 13 19-0319	EA		60" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	4,406.09	166.47
			<i>For Solid Color Material (No Particulate), Deduct</i>	-936.83	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	137.39	
10 21 13 19-0320	EA		60" x 78", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	4,812.08	171.28
			<i>For Solid Color Material (No Particulate), Deduct</i>	-1,027.99	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	137.39	
10 21 13 19-0321			Ceiling Hung, Solid Polyester (Corian), Complete Toilet Partitions <small>(10 21 13 19-0308)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0322	EA		36" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition.....	3,341.81	180.94
			<i>For >10, Deduct</i>	-298.00	
			<i>For Solid Color Material (No Particulate), Deduct</i>	-685.39	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	137.39	
10 21 13 19-0323	EA		60" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	4,248.35	190.59
			<i>For Solid Color Material (No Particulate), Deduct</i>	-889.45	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	137.39	
10 21 13 19-0324	EA		60" x 78", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	4,654.34	195.42
			<i>For Solid Color Material (No Particulate), Deduct</i>	-980.61	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	137.39	
10 21 13 19-0325			Solid Polyester (Corian) Urinal Screens <small>(10 21 13 19-0307)</small>		
10 21 13 19-0326			Floor Anchored, Solid Polyester (Corian), Urinal Screens <small>(10 21 13 19-0325)</small>		
10 21 13 19-0327	EA		24" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen.....	797.30	67.53
			<i>For Solid Color Material (No Particulate), Deduct</i>	-152.32	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	
10 21 13 19-0328	EA		36" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen.....	1,044.75	72.36
			<i>For Solid Color Material (No Particulate), Deduct</i>	-207.01	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	38.07	



Specialties	10
Interior Specialties	10 20
Compartments And Cubicles	10 21

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0329 EA 48" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,292.21 -261.71 38.07	77.17
10 21 13 19-0330 Wall Hung, Solid Polyester (Corian), Urinal Screens <small>(10 21 13 19-0325)</small>		
10 21 13 19-0331 EA 18" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	419.93 -69.96 38.07	57.88
10 21 13 19-0332 EA 24" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	530.96 -93.28 38.07	62.71
10 21 13 19-0333 EA 30" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	642.00 -116.60 38.07	67.53
10 21 13 19-0334 Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screens <small>(10 21 13 19-0325)</small>		
10 21 13 19-0335 EA 18" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	542.63 -95.96 38.07	62.71
10 21 13 19-0336 EA 24" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	671.20 -123.31 38.07	67.53
10 21 13 19-0337 EA 30" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	799.73 -150.66 38.07	72.36
10 21 13 19-0338 Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screens <small>(10 21 13 19-0325)</small>		
10 21 13 19-0339 EA 22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	813.56 -158.27 38.07	62.71
10 21 13 19-0340 EA 34" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,061.02 -212.97 38.07	67.53
10 21 13 19-0341 EA 46" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,308.48 -267.67 38.07	72.36
10 21 13 19-0342 Solid Polyester (Corian) Toilet Partition Doors, Panels And Pilasters <small>(10 21 13 19-0307)</small>		
See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		
10 21 13 19-0343 Solid Polyester (Corian), Toilet Partition Doors <small>(10 21 13 19-0342)</small>		
10 21 13 19-0344 EA 24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	613.30 -132.18 61.26	19.30
10 21 13 19-0345 EA 26" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	654.38 -141.63 61.26	19.30
10 21 13 19-0346 EA 30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	746.08 -161.61 61.26	21.71
10 21 13 19-0347 EA 34" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	830.84 -181.10 61.26	21.71
10 21 13 19-0348 EA 36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	867.72 -189.59 61.26	21.71
10 21 13 19-0349 Solid Polyester (Corian), Toilet Partition Panels <small>(10 21 13 19-0342)</small>		
10 21 13 19-0350 EA 6" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	176.80 -27.35 38.07	28.95
10 21 13 19-0351 EA 12" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	300.54 -54.70 38.07	31.36
10 21 13 19-0352 EA 18" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	424.26 -82.04 38.07	33.78
10 21 13 19-0353 EA 24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	548.00 -109.39 38.07	36.19
10 21 13 19-0354 EA 30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	671.72 -136.74 38.07	38.60
10 21 13 19-0355 EA 36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	795.44 -164.09 38.07	41.02

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0356	EA		42" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	919.18 -191.44 38.07	43.43
10 21 13 19-0357	EA		48" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,042.91 -218.78 38.07	45.83
10 21 13 19-0358	EA		55" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,186.45 -250.69 38.07	48.25
10 21 13 19-0359	EA		58" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,247.85 -264.37 38.07	49.21
10 21 13 19-0360	EA		60" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,290.37 -273.48 38.07	50.66
10 21 13 19-0361	EA		70" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,493.37 -319.06 38.07	53.07
10 21 13 19-0362	EA		78" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,656.72 -355.52 38.07	55.49
10 21 13 19-0363			72" Long, Solid Polyester (Corian), Toilet Partition Pilasters <small>(10 21 13 19-0342)</small>		
10 21 13 19-0364	EA		Up To 4" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	215.56 -42.92 38.07	14.48
10 21 13 19-0365	EA		5" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	267.05 -53.65 38.07	16.88
10 21 13 19-0366	EA		6" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	318.52 -64.38 38.07	19.30
10 21 13 19-0367	EA		8" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	416.67 -85.85 38.07	21.71
10 21 13 19-0368	EA		10" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	514.80 -107.31 38.07	24.12
10 21 13 19-0369	EA		12" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	612.92 -128.77 38.07	26.54
10 21 13 19-0370	EA		18" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	897.67 -193.15 38.07	28.95
10 21 13 19-0371	EA		22" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,089.13 -236.07 38.07	31.36
10 21 13 19-0372	EA		24" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,187.26 -257.53 38.07	33.78
10 21 13 19-0373			82" Long, Solid Polyester (Corian), Toilet Partition Pilasters <small>(10 21 13 19-0342)</small>		
10 21 13 19-0374	EA		Up To 4" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	241.48 -48.88 38.07	14.48
10 21 13 19-0375	EA		5" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	299.46 -61.11 38.07	16.88
10 21 13 19-0376	EA		6" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	351.33 -71.93 38.07	19.30
10 21 13 19-0377	EA		8" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	476.61 -99.63 38.07	21.71
10 21 13 19-0378	EA		10" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	579.59 -122.21 38.07	24.12
10 21 13 19-0379	EA		12" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	690.67 -146.65 38.07	26.54
10 21 13 19-0380	EA		18" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,014.31 -219.97 38.07	28.95
10 21 13 19-0381	EA		22" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,231.69 -268.86 38.07	31.36
10 21 13 19-0382	EA		24" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,342.77 -293.30 38.07	33.78
10 21 13 19-0383			96" To 120" Long, Solid Polyester (Corian), Toilet Partition Pilasters <small>(10 21 13 19-0342)</small>		



Specialties	10	10
Interior Specialties	10 20	
Compartments And Cubicles	10 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13	19-0384	EA Up To 4" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	318.52 -64.38 38.07	19.30
10 21	13	19-0385	EA 5" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	393.34 -80.48 38.07	21.71
10 21	13	19-0386	EA 6" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	468.14 -96.57 38.07	24.12
10 21	13	19-0387	EA 8" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	612.92 -128.77 38.07	26.54
10 21	13	19-0388	EA 10" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	757.71 -160.96 38.07	28.95
10 21	13	19-0389	EA 12" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	902.50 -193.15 38.07	31.36
10 21	13	19-0390	EA 18" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,327.22 -289.72 38.07	33.78
10 21	13	19-0391	EA 22" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,611.98 -354.11 38.07	36.19
10 21	13	19-0392	EA 24" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,756.76 -386.30 38.07	38.60

10 21 13 43 Compartments and Cubicles Common Accessories (10 21 13)

10 21 13 43-0001	Accessories (10 21 13 43)		
10 21 13 43-0002	LF Extruded Aluminum Headrails For Toilet Partitions And Urinal Screens.....	10.79	1.93
10 21 13 43-0003	LF Stainless Steel Headrails For Toilet Partitions And Urinal Screens	14.80	1.93
10 21 13 43-0004	EA Replacement 1-1/2" x 58" Stainless Steel Wall Posts.....	87.63	
10 21 13 43-0005	EA Replacement 58" Aluminum Wall U Bracket.....	56.63	
10 21 13 43-0006	EA Replacement 58" Aluminum Wall Two Ear Bracket.....	94.14	
10 21 13 43-0007	EA Replacement 54" Stainless Steel Wall U Bracket	67.60	
10 21 13 43-0008	EA Replacement 54" Stainless Steel Wall Two Ear Bracket	161.36	
10 21 13 43-0009	EA Replacement 54" Plastic Wall Two Ear Bracket, All Colors	116.53	
10 21 13 43-0010	EA Replacement 57-1/2" Stainless Steel Hinge	112.27	

10 21 16 Shower And Dressing Compartments (10 21)

10 21 16 17 Phenolic-Core Shower and Dressing Compartments (10 21 16)

10 21 16 17-0001 Shower Dividers (10 21 16 17)

10 21 16 17-0002 Solid Phenolic Core Laminated Plastic, Shower Dividers (10 21 16 17-0001)

Note: Cut to height in field. panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels.

10 21 16 17-0003	EA 18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	706.46	120.63
	<i>For 66" High Panels, Add</i>	69.78	
10 21 16 17-0004	EA 24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	880.84	130.28
	<i>For 66" High Panels, Add</i>	93.04	
10 21 16 17-0005	EA 36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,131.33	144.75
	<i>For 66" High Panels, Add</i>	126.27	
10 21 16 17-0006	EA 48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,334.62	168.87
	<i>For 66" High Panels, Add</i>	149.53	
10 21 16 17-0007	EA 57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,537.95	193.00
	<i>For 66" High Panels, Add</i>	172.79	

10 21 16 17-0008 Solid Phenolic Core Laminated Plastic, Shower Dividers With Headrail And Curtain Track (10 21 16 17-0001)

Note: Cut to height in field. Panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels. Includes 3/4" stiles, 85" from floor to top of headrail. Headrail 4" wide. All stainless steel shoes and stainless steel fittings. Leveling devices are chromate treated double zinc plated steel. Overhead braced designed with concealed curtain tracks and hooks in headrail.

10 21 16 17-0009	EA 18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	1,679.31	212.01
	<i>For 66" High Panels, Add</i>	230.70	
	<i>For 6" Wide Head Rail, Add</i>	41.90	
	<i>For 8" Wide Head Rail, Add</i>	58.69	
	<i>For 10" Wide Head Rail, Add</i>	71.25	
	<i>For 12" Wide Head Rail, Add</i>	85.92	
	<i>For 18" Wide, 1/2" Thick Bench, Add</i>	127.40	
	<i>For 24" Wide, 1/2" Thick Bench, Add</i>	167.40	

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 16 17-0010 EA 24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	2,062.97	231.51
For 66" High Panels, Add	286.29	
For 6" Wide Head Rail, Add	52.63	
For 8" Wide Head Rail, Add	73.26	
For 10" Wide Head Rail, Add	89.26	
For 12" Wide Head Rail, Add	107.57	
For 18" Wide, 1/2" Thick Bench, Add	131.31	
For 24" Wide, 1/2" Thick Bench, Add	171.31	
10 21 16 17-0011 EA 36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	2,584.55	246.18
For 66" High Panels, Add	363.07	
For 6" Wide Head Rail, Add	67.69	
For 8" Wide Head Rail, Add	93.54	
For 10" Wide Head Rail, Add	114.46	
For 12" Wide Head Rail, Add	137.84	
For 18" Wide, 1/2" Thick Bench, Add	134.24	
For 24" Wide, 1/2" Thick Bench, Add	174.24	
10 21 16 17-0012 EA 48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	2,766.09	275.41
For 66" High Panels, Add	387.37	
For 6" Wide Head Rail, Add	71.97	
For 8" Wide Head Rail, Add	99.63	
For 10" Wide Head Rail, Add	121.78	
For 12" Wide Head Rail, Add	146.69	
For 18" Wide, 1/2" Thick Bench, Add	140.08	
For 24" Wide, 1/2" Thick Bench, Add	180.08	
10 21 16 17-0013 EA 57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	3,158.51	299.34
For 66" High Panels, Add	443.84	
For 6" Wide Head Rail, Add	82.78	
For 8" Wide Head Rail, Add	114.37	
For 10" Wide Head Rail, Add	139.97	
For 12" Wide Head Rail, Add	168.56	
For 18" Wide, 1/2" Thick Bench, Add	144.86	
For 24" Wide, 1/2" Thick Bench, Add	184.86	

10 21 23 Cubicle Curtains And Track (10 21)**10 21 23 13 Cubicle Curtains (10 21 23)****10 21 23 13-0001 Hospital Curtains With Nylon Mesh Tops (10 21 23 13)**

10 21 23 13-0002 LF 84" High, Fire Resistant Polyester, Hospital Cubicle Curtain	15.82	0.83
10 21 23 13-0003 LF 90" High, Fire Resistant Polyester, Hospital Cubicle Curtain	16.77	0.83
10 21 23 13-0004 LF 96" High, Fire Resistant Polyester, Hospital Cubicle Curtain	17.96	0.83
10 21 23 13-0005 LF 102" High, Fire Resistant Polyester, Hospital Cubicle Curtain	18.92	0.83
10 21 23 13-0006 LF 108" High, Fire Resistant Polyester, Hospital Cubicle Curtain	19.88	0.83
10 21 23 13-0007 LF 120" High, Fire Resistant Polyester, Hospital Cubicle Curtain	21.72	0.83

10 21 23 16 Cubicle Track And Hardware (10 21 23)**10 21 23 16-0001 Hospital Cubicle Curtain Channel Track (10 21 23 16)**

Note: Track is extruded aluminum. Includes curved sections, carrier rollers and all fittings.

10 21 23 16-0002 LF Flush Mounted, Aluminum, Hospital Cubicle Curtain Channel Track	14.92	4.39
10 21 23 16-0003 LF Suspended, Aluminum, Hospital Cubicle Curtain Channel Track	22.71	4.82

10 21 23 16-0004 Hospital IV Tracks (10 21 23 16)

10 21 23 16-0005 LF Oval Hospital Partition IV Track	20.12	2.76
10 21 23 16-0006 EA Hospital Partition IV Trolley	109.76	11.47
10 21 23 16-0007 EA 5 Hook Tree, Hospital Partition IV Pendant	445.02	11.47

10 22 Partitions (10 20)**10 22 13 Wire Mesh Partitions (10 22)****10 22 13 00-0001 Wall Panels (10 22 13)**

Note: Includes steel frame and posts. Posts bolted to floor.

10 22 13 00-0002 SF Wire Mesh Wall Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	11.14	1.21
For 5' Wide Panels, Add	0.44	
10 22 13 00-0003 SF Wire Mesh Wall Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	12.37	1.45
For 5' Wide Panels, Add	0.47	
10 22 13 00-0004 SF Wire Mesh Wall Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	13.92	1.69
For 5' Wide Panels, Add	0.53	

10 22 13 00-0005 Ceiling Panels (10 22 13)

Note: Includes steel frame.

10 22 13 00-0006 SF Wire Mesh Ceiling Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	11.58	1.45
10 22 13 00-0007 SF Wire Mesh Ceiling Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	12.80	1.69
10 22 13 00-0008 SF Wire Mesh Ceiling Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	14.19	1.93

10 22 13 00-0009 Sliding Doors (10 22 13)

Note: Includes padlocks lugs and/or provisions for cylinder lock.



Specialties	10
Interior Specialties	10 20
Partitions	10 22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 13 00-0010	EA		4' x 8' Sliding Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i>	1,080.08 111.35	253.32
			<i>For 6 Gauge, Add</i>	222.70	
10 22 13 00-0011	EA		4' x 10' Sliding Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i>	1,140.95 115.17	279.85
			<i>For 6 Gauge, Add</i>	230.34	
10 22 13 00-0012	EA		5' x 8' Sliding Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i>	1,243.82 128.67	289.50
			<i>For 6 Gauge, Add</i>	257.35	
10 22 13 00-0013	EA		5' x 10' Sliding Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i>	1,356.22 140.71	313.63
			<i>For 6 Gauge, Add</i>	281.42	
10 22 13 00-0014	EA		6' x 8' Sliding Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i>	1,404.54 144.10	332.93
			<i>For 6 Gauge, Add</i>	288.19	
10 22 13 00-0015	EA		6' x 10' Sliding Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i>	1,542.29 160.90	352.22
			<i>For 6 Gauge, Add</i>	321.80	
10 22 13 00-0016	EA		8' x 8' Sliding Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i>	1,657.57 172.88	378.77
			<i>For 6 Gauge, Add</i>	345.77	
10 22 13 00-0017	EA		8' x 10' Sliding Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i>	1,800.20 190.90	395.65
			<i>For 6 Gauge, Add</i>	381.80	
10 22 13 00-0018	EA		10' x 8' Sliding Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i>	1,817.56 191.57	405.31
			<i>For 6 Gauge, Add</i>	383.15	
10 22 13 00-0019	EA		10' x 10' Sliding Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i>	2,001.89 214.40	429.43
			<i>For 6 Gauge, Add</i>	428.80	
10 22 13 00-0020			Swing Doors <small>(10 22 13)</small>		
10 22 13 00-0021			Single Swing Door <small>(10 22 13 00-0020)</small>		
10 22 13 00-0022	EA		3' x 7' Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i>	735.72 78.19	149.58
			<i>For 6 Gauge, Add</i>	156.38	
10 22 13 00-0023	EA		3' x 8' Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i>	790.69 84.83	168.87
			<i>For 6 Gauge, Add</i>	169.66	
10 22 13 00-0024	EA		3' x 9' Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i>	846.92 91.33	178.52
			<i>For 6 Gauge, Add</i>	182.67	
10 22 13 00-0025	EA		4' x 7' Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i>	838.94 87.24	193.00
			<i>For 6 Gauge, Add</i>	174.48	
10 22 13 00-0026	EA		4' x 8' Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i>	897.12 94.04	202.65
			<i>For 6 Gauge, Add</i>	188.07	
10 22 13 00-0027	EA		4' x 9' Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i>	937.50 98.17	212.30
			<i>For 6 Gauge, Add</i>	196.33	
10 22 13 00-0028	EA		4' x 7' Dutch Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i>	1,091.76 125.16	193.00
			<i>For 6 Gauge, Add</i>	250.33	
10 22 13 00-0029	EA		4' x 8' Dutch Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i>	1,157.88 133.15	202.65
			<i>For 6 Gauge, Add</i>	266.30	
10 22 13 00-0030			Double Swing Doors <small>(10 22 13 00-0020)</small>		
10 22 13 00-0031	EA		6' x 7' Double Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i>	1,160.93 125.89	241.25
			<i>For 6 Gauge, Add</i>	251.78	
10 22 13 00-0032	EA		6' x 8' Double Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i>	1,189.88 127.34	255.73
			<i>For 6 Gauge, Add</i>	254.67	
10 22 13 00-0033	EA		6' x 9' Double Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i>	1,619.28 188.85	270.20
			<i>For 6 Gauge, Add</i>	377.70	
10 22 13 00-0034	EA		8' x 7' Double Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i>	1,257.43 130.71	289.50
			<i>For 6 Gauge, Add</i>	261.43	
10 22 13 00-0035	EA		8' x 8' Double Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i>	1,286.38 132.16	303.98
			<i>For 6 Gauge, Add</i>	264.32	
10 22 13 00-0036	EA		8' x 9' Double Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i>	1,715.78 193.68	318.46
			<i>For 6 Gauge, Add</i>	387.35	
10 22 19			Demountable Partitions <small>(10 22)</small>		
10 22 19 13			Demountable Metal Partitions <small>(10 22 19)</small>		

10 Specialties
10 20 Interior Specialties
10 22 Partitions



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 19 13-0001	LF	9'	High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick.....	132.59	15.33
			<i>For >9, Add 16.57</i>		
10 22 19 13-0002	LF	7'	High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick.....	116.28	12.21
			<i>For >9, Add 14.54</i>		
10 22 19 13-0003	LF	5'	High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick.....	99.96	9.18
			<i>For >9, Add 12.50</i>		
10 22 19 13-0004	LF	9'	High Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panel, 48" Wide, Backed Enamel.....	137.14	12.21
			<i>For >9, Add 17.14</i>		
10 22 19 13-0005	LF	9'	High Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panels, 48" Wide, Fabric.....	198.86	13.12
			<i>For >9, Add 24.86</i>		
10 22 19 43 Demountable Composite Partitions (10 22 19)					
10 22 19 43-0001	LF		Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Vinyl Clad.....	203.91	15.33
			<i>For >9, Add 25.49</i>		
10 22 19 43-0002	LF		Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Fabric Clad.....	255.15	16.70
			<i>For >9, Add 31.89</i>		
10 22 19 43-0003	SF		Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick.....	42.74	2.29
			<i>For Acoustical Partitions, Add 3.82</i>		
10 22 19 43-0004	SF		Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick.....	53.58	3.85
			<i>For Acoustical Partitions, Add 4.59</i>		
10 22 19 43-0005	SF		Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick.....	45.58	2.38
			<i>For Acoustical Partitions, Add 4.08</i>		
10 22 19 43-0006	SF		Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick.....	65.18	3.30
			<i>For Acoustical Partitions, Add 5.87</i>		
10 22 19 53 Demountable Gypsum Partitions (10 22 19)					
10 22 19 53-0001	LF	9'	High Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 3" To 3-3/4" Thick, Vinyl Clad.....	82.63	15.33
			<i>For >9, Add 10.33</i>		
10 22 19 53-0002	LF	9'	High Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 3" To 3-3/4" Thick, Fabric Clad.....	138.79	16.70
			<i>For >9, Add 17.35</i>		
10 22 19 53-0003	LF	9'	High Demountable Partition Gypsum System, 2" To 2.5", Steel Standard, 3" To 3-3/4" Thick, Steel Clad.....	149.41	18.35
			<i>For >9, Add 18.68</i>		
10 22 19 53-0004	LF	9'	High Demountable Partition Gypsum System, Unitized Panel, 2" To 2-1/2" Thick, Vinyl Clad.....	165.67	15.33
			<i>For >9, Add 20.71</i>		
10 22 19 53-0005	LF	9'	High Demountable Partition Gypsum System, Unitized Panel, 2" To 2-1/2" Thick, Fabric Clad.....	275.53	16.70
			<i>For >9, Add 34.44</i>		
10 22 23 Portable Partitions, Screens, And Panels (10 22)					
Note: Cubicle prices include standard units, standard height glass and glazing. For 25 percent and 50 percent glass 1/4" plate glass is used. For 100 percent glass 1/4" tempered plate is used.					
10 22 23 23 Movable Panel Systems (10 22 23)					
10 22 23 23-0001 Portable Partitions (10 22 23 23)					
10 22 23 23-0002	LF		Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 4' High.....	256.87	7.35
10 22 23 23-0003	LF		Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 5' High.....	273.79	8.17
10 22 23 23-0004	LF		Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 6' High.....	325.50	9.82
10 22 23 23-0005	LF		Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 4' High.....	189.39	4.23
10 22 23 23-0006	LF		Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 5' High.....	200.99	4.86
10 22 23 23-0007	LF		Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 6' High.....	225.88	5.88
10 22 23 23-0008	LF		Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 6'-0" Long, 5' High.....	192.62	4.50
10 22 23 23-0009	LF		Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 5' High.....	342.62	8.17
10 22 23 23-0010	LF		Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 6' High.....	376.49	9.82
10 22 23 23-0011	LF		Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 5' High.....	199.77	5.60
10 22 23 23-0012	LF		Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 6' High.....	227.25	6.52
10 22 23 23-0013	LF		Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 5' High.....	183.14	4.86
10 22 23 23-0014	LF		Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 6' High.....	205.49	5.88
10 22 23 23-0015	LF		Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 5' High.....	304.38	8.17
10 22 23 23-0016	LF		Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 6' High.....	343.35	9.82
10 22 23 23-0017	LF		Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 5' High.....	309.48	8.17
10 22 23 23-0018	LF		Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 6' High.....	376.49	9.82
10 22 23 23-0019	LF		Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 5' High.....	239.23	4.86
10 22 23 23-0020	LF		Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 6' High.....	269.22	5.88
10 22 23 23-0021	LF		Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 5' High.....	252.53	4.50
10 22 23 23-0022	LF		Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 6' High.....	301.26	5.32
10 22 23 23-0023	LF		Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 5' High.....	146.23	5.60
10 22 23 23-0024	LF		Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 6' High.....	172.44	6.52
10 22 23 23-0025	LF		Partitions, Portable, Economical Acoustic Panels, 40 NRC, 5'-0" Long, 6' High.....	155.78	5.88
10 22 23 23-0026	LF		Partitions, Portable, Economical Acoustic Panels, 40 NRC, 6'-0" Long, 5' High.....	113.59	4.50
10 22 23 23-0027	LF		Partitions, Portable, Metal Chalkboard, 6'-6" High, 1 Side.....	185.09	5.88
10 22 23 23-0028	LF		Partitions, Portable, Metal Chalkboard, 2 Sides.....	211.09	6.15
10 22 23 23-0029	LF		Partitions, Portable, Tackboard, Both Sides.....	169.99	5.97
10 22 23 23-0030 Adjustable Barrier Panel System (10 22 23 23)					
10 22 23 23-0031	EA	4'	Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4000).....	725.88	
10 22 23 23-0032	EA	3'	Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4001).....	662.61	



Specialties	10	10
Interior Specialties	10 20	
Partitions	10 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 23 23-0033 EA 2' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4002).....	507.51	
10 22 23 23-0034 EA 4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 44" Door (Edge Guard 4003).....	1,170.37	
10 22 23 23-0035 EA 7'-8" To 10' High, Hinged Corner Assembly (Edge Guard 4004)	233.31	
10 22 23 23-0036 EA 12" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4006).....	341.69	
10 22 23 23-0037 EA 7'-8" To 10' High, Outside Corner Post (Edge Guard 4007)	196.98	
10 22 23 23-0038 EA 7'-8" To 10' High, "T" Post Corner Assembly (Edge Guard 4009).....	196.98	

10 22 33 Accordion Folding Partitions (10 22)

10 22 33 00-0001 Accordion Doors/Partitions (10 22 33)

Note: Includes top support track and assembled panels.

10 22 33 00-0002 SF 15 STC, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 1500)	46.79	4.54
<i>For <135, Add</i>	<i>9.36</i>	
10 22 33 00-0003 SF 20 STC, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 2000)	47.62	4.70
<i>For <135, Add</i>	<i>9.52</i>	
10 22 33 00-0004 SF 31 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 3100).....	49.77	4.85
<i>For <135, Add</i>	<i>9.95</i>	
10 22 33 00-0005 SF 35 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 3500).....	52.61	5.00
<i>For <135, Add</i>	<i>10.52</i>	
10 22 33 00-0006 SF 39 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 3900).....	53.62	5.15
<i>For <135, Add</i>	<i>10.72</i>	
10 22 33 00-0007 SF 40 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 4000).....	54.39	5.30
<i>For <135, Add</i>	<i>10.88</i>	
10 22 33 00-0008 SF 41 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 4100).....	55.15	5.45
<i>For <135, Add</i>	<i>11.03</i>	
10 22 33 00-0009 SF 45 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 4500).....	56.25	5.76
<i>For <135, Add</i>	<i>11.25</i>	

10 22 43 Sliding Partitions (10 22)

10 22 43 00-0001 Operable Wall (10 22 43)

Note: Includes top support track, assembled panel and frames.

10 22 43 00-0002 SF Up To 720 SF, 12' Height Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	78.54	7.71
Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
<i>For 51 STC, Add</i>	<i>6.10</i>	
10 22 43 00-0003 SF >720 To 1,200 SF, 12 High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	72.74	6.17
Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
<i>For 51 STC, Add</i>	<i>5.97</i>	
10 22 43 00-0004 SF >1,200 SF, 12' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	68.47	5.12
Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
<i>For 51 STC, Add</i>	<i>5.84</i>	
10 22 43 00-0005 SF Up To 1,080 SF, 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	66.66	5.39
Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
<i>For 51 STC, Add</i>	<i>5.55</i>	
10 22 43 00-0006 SF >1,080 To 1,800 SF, 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	62.22	4.39
Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
<i>For 51 STC, Add</i>	<i>5.40</i>	
10 22 43 00-0007 SF >1,800 SF, 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	59.65	3.93
Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
<i>For 51 STC, Add</i>	<i>5.26</i>	
10 22 43 00-0008 SF Up To 1,440 SF, 24' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	59.06	4.23
Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
<i>For 51 STC, Add</i>	<i>5.10</i>	
10 22 43 00-0009 SF >1,440 To 2,400 SF, 24' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	55.75	3.61
Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
<i>For 51 STC, Add</i>	<i>4.94</i>	
10 22 43 00-0010 SF >2,400 SF, 24' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	53.45	3.24
Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
<i>For 51 STC, Add</i>	<i>4.81</i>	
10 22 43 00-0011 SF Up To 160 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating.....	82.83	6.85
Note: Includes type 3 pocket door, track and hardware. Hufcor 632.		
<i>For 51 STC, Add</i>	<i>6.85</i>	
10 22 43 00-0012 SF >160 To 240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating.....	76.24	5.21
Note: Includes type 3 pocket door, track and hardware. Hufcor 632.		
<i>For 51 STC, Add</i>	<i>6.67</i>	
10 22 43 00-0013 SF >240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating.....	72.37	4.39
Note: Includes type 3 pocket door, track and hardware. Hufcor 632.		
<i>For 51 STC, Add</i>	<i>6.52</i>	

10 26 Wall And Door Protection (10 20)

10 Specialties**10 20 Interior Specialties****10 26 Wall And Door Protection**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 Corner Guards <small>(10 26)</small>		
10 26 13 00-0001 Vinyl Corner Guards <small>(10 26 13)</small>		
10 26 13 00-0002 Rigid Vinyl Corner Guards <small>(10 26 13 00-0001)</small>		
10 26 13 00-0003 Surface Mounted, Rigid Vinyl Corner Guards <small>(10 26 13 00-0002)</small>		
10 26 13 00-0004 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards <small>(10 26 13 00-0003)</small>		
10 26 13 00-0005 LF 3/4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-34)	6.89	2.90
For >50 To 100, Deduct	-1.21	
For >100 To 200, Deduct	-1.69	
For >200, Deduct	-2.27	
10 26 13 00-0006 LF 1-1/2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-12)	7.40	2.90
For >50 To 100, Deduct	-1.21	
For >100 To 200, Deduct	-1.69	
For >200, Deduct	-2.30	
10 26 13 00-0007 LF 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-13)	10.20	2.90
For >50 To 100, Deduct	-1.21	
For >100 To 200, Deduct	-1.69	
For >200, Deduct	-2.44	
10 26 13 00-0008 LF 4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-14)	13.70	2.90
For >50 To 100, Deduct	-1.21	
For >100 To 200, Deduct	-1.69	
For >200, Deduct	-2.61	
10 26 13 00-0009 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards <small>(10 26 13 00-0003)</small>		
10 26 13 00-0010 LF 1-1/2" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-1245)	13.07	2.90
For >50 To 100, Deduct	-1.21	
For >100 To 200, Deduct	-1.69	
For >200, Deduct	-2.58	
10 26 13 00-0011 Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0001)</small>		
Note: Includes closure caps.		
10 26 13 00-0012 Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0011)</small>		
10 26 13 00-0013 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0012)</small>		
10 26 13 00-0014 LF 2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-20)	12.94	4.34
For >50 To 100, Deduct	-1.81	
For >100 To 200, Deduct	-2.53	
For >200, Deduct	-3.54	
For Recycled Vinyl Retainer, Deduct	-1.14	
10 26 13 00-0015 LF 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-10)	14.50	4.34
For >50 To 100, Deduct	-1.81	
For >100 To 200, Deduct	-2.53	
For >200, Deduct	-3.62	
For Recycled Vinyl Retainer, Deduct	-1.45	
10 26 13 00-0016 LF Bullnose 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-30)	16.05	4.34
For >50 To 100, Deduct	-1.81	
For >100 To 200, Deduct	-2.53	
For >200, Deduct	-3.70	
For Recycled Vinyl Retainer, Deduct	-1.76	
10 26 13 00-0017 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0012)</small>		
10 26 13 00-0018 LF 3" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-135)	18.96	4.34
For >50 To 100, Deduct	-1.81	
For >100 To 200, Deduct	-2.53	
For >200, Deduct	-3.84	
For Recycled Vinyl Retainer, Deduct	-2.34	
10 26 13 00-0019 End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0012)</small>		
Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.		
10 26 13 00-0020 LF 2" Wing, End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-11)	26.96	5.79
For >50 To 100, Deduct	-2.41	
For >100 To 200, Deduct	-3.38	
For >200, Deduct	-5.21	
For Recycled Vinyl Retainer, Deduct	-3.46	
10 26 13 00-0021 Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0011)</small>		



Specialties	10	10
Interior Specialties	10 20	
Wall And Door Protection	10 26	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0022 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0021)</small>		
10 26 13 00-0023 LF 2" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-72)	17.42	4.34
For >50 To 100, Deduct	-1.81	
For >100 To 200, Deduct	-2.53	
For >200, Deduct	-3.77	
For Up To 2 HR Fire Rated, Add	7.13	
10 26 13 00-0024 LF 3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-7)	21.11	4.34
For >50 To 100, Deduct	-1.81	
For >100 To 200, Deduct	-2.53	
For >200, Deduct	-3.95	
For Up To 2 HR Fire Rated, Add	9.71	
10 26 13 00-0025 LF Bullnose 3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-32)	19.52	4.34
For >50 To 100, Deduct	-1.81	
For >100 To 200, Deduct	-2.53	
For >200, Deduct	-3.87	
For Up To 2 HR Fire Rated, Add	8.60	
10 26 13 00-0026 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0021)</small>		
10 26 13 00-0027 LF 3" Wing, 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-75)	22.68	4.34
For >50 To 100, Deduct	-1.81	
For >100 To 200, Deduct	-2.53	
For >200, Deduct	-4.03	
For Up To 2 HR Fire Rated, Add	10.81	
10 26 13 00-0028 End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0021)</small>		
Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.		
10 26 13 00-0029 LF 2" Wing, End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-888)	47.93	5.79
For >50 To 100, Deduct	-2.41	
For >100 To 200, Deduct	-3.38	
For >200, Deduct	-6.26	
For Up To 2 HR Fire Rated, Add	26.80	
10 26 13 00-0030 Flexible Vinyl Corner Guards <small>(10 26 13 00-0001)</small>		
Note: Includes adhesive for installation.		
10 26 13 00-0031 Surface Mounted, Flexible Vinyl Corner Guards <small>(10 26 13 00-0030)</small>		
10 26 13 00-0032 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guards <small>(10 26 13 00-0031)</small>		
10 26 13 00-0033 LF 1-3/4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-9)	9.62	2.90
For >50 To 100, Deduct	-1.21	
For >100 To 200, Deduct	-1.69	
For >200, Deduct	-2.41	
For Bolting To Concrete Or Masonry, Add	2.17	
10 26 13 00-0034 LF 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-3)	12.40	2.90
For >50 To 100, Deduct	-1.21	
For >100 To 200, Deduct	-1.69	
For >200, Deduct	-2.55	
For Bolting To Concrete Or Masonry, Add	2.58	
10 26 13 00-0035 LF 4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-15)	14.65	2.90
For >50 To 100, Deduct	-1.21	
For >100 To 200, Deduct	-1.69	
For >200, Deduct	-2.66	
For Bolting To Concrete Or Masonry, Add	2.92	
10 26 13 00-0036 Polycarbonate Corner Guards <small>(10 26 13)</small>		
10 26 13 00-0037 Surface Mounted, Polycarbonate Corner Guards <small>(10 26 13 00-0036)</small>		
10 26 13 00-0038 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guards <small>(10 26 13 00-0037)</small>		
10 26 13 00-0039 LF 3/4" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-16)	6.27	2.90
For >50 To 100, Deduct	-1.21	
For >100 To 200, Deduct	-1.69	
For >200, Deduct	-2.24	
10 26 13 00-0040 LF 1-1/8" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-17)	7.63	2.90
For >50 To 100, Deduct	-1.21	
For >100 To 200, Deduct	-1.69	
For >200, Deduct	-2.31	
10 26 13 00-0041 LF 2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-24)	9.21	2.90
For >50 To 100, Deduct	-1.21	
For >100 To 200, Deduct	-1.69	
For >200, Deduct	-2.39	

10	Specialties
10 20	Interior Specialties
10 26	Wall And Door Protection



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26	13 00-0042	LF	2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-18)	10.17	2.90
			<i>For >50 To 100, Deduct</i>	-1.21	
			<i>For >100 To 200, Deduct</i>	-1.69	
			<i>For >200, Deduct</i>	-2.44	
10 26	13 00-0043	LF	Bullnose 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-23)	9.82	2.90
			<i>For >50 To 100, Deduct</i>	-1.21	
			<i>For >100 To 200, Deduct</i>	-1.69	
			<i>For >200, Deduct</i>	-2.42	
10 26	13 00-0044		135 Degree Angle, Surface Mounted, Polycarbonate Corner Guards <small>(10 26 13 00-0037)</small>		
10 26	13 00-0045	LF	2-1/2" Wing, 135 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-19)	10.17	2.90
			<i>For >50 To 100, Deduct</i>	-1.21	
			<i>For >100 To 200, Deduct</i>	-1.69	
			<i>For >200, Deduct</i>	-2.44	
10 26	13 00-0046		Aluminum Corner Guards <small>(10 26 13)</small>		
10 26	13 00-0047		Surface Mounted, Aluminum Corner Guards <small>(10 26 13 00-0046)</small>		
10 26	13 00-0048		90 Degree Angle, Surface Mounted, Aluminum Corner Guards <small>(10 26 13 00-0047)</small>		
10 26	13 00-0049	LF	1" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-400)	9.03	2.90
			<i>For >50 To 100, Deduct</i>	-1.21	
			<i>For >100 To 200, Deduct</i>	-1.69	
			<i>For >200, Deduct</i>	-2.38	
10 26	13 00-0050	LF	2" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-401)	10.86	2.90
			<i>For >50 To 100, Deduct</i>	-1.21	
			<i>For >100 To 200, Deduct</i>	-1.69	
			<i>For >200, Deduct</i>	-2.47	
10 26	13 00-0051	LF	3" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-402)	12.00	2.90
			<i>For >50 To 100, Deduct</i>	-1.21	
			<i>For >100 To 200, Deduct</i>	-1.69	
			<i>For >200, Deduct</i>	-2.53	
10 26	13 00-0052		135 Degree Angle, Surface Mounted, Aluminum Corner Guards <small>(10 26 13 00-0047)</small>		
10 26	13 00-0053	LF	1" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-403)	9.03	2.90
			<i>For >50 To 100, Deduct</i>	-1.21	
			<i>For >100 To 200, Deduct</i>	-1.69	
			<i>For >200, Deduct</i>	-2.38	
10 26	13 00-0054	LF	2" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-404)	10.86	2.90
			<i>For >50 To 100, Deduct</i>	-1.21	
			<i>For >100 To 200, Deduct</i>	-1.69	
			<i>For >200, Deduct</i>	-2.47	
10 26	13 00-0055	LF	3" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-405)	12.00	2.90
			<i>For >50 To 100, Deduct</i>	-1.21	
			<i>For >100 To 200, Deduct</i>	-1.69	
			<i>For >200, Deduct</i>	-2.53	
10 26	13 00-0056		Steel Corner Guards <small>(10 26 13)</small>		
10 26	13 00-0057		Steel Angle Iron, Corner Guards <small>(10 26 13 00-0056)</small>		
10 26	13 00-0058		Surface Mounted, Steel Angle Iron, Corner Guards <small>(10 26 13 00-0057)</small>		
10 26	13 00-0059		90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guards <small>(10 26 13 00-0058)</small>		
10 26	13 00-0060	LF	1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	11.74	3.47
			<i>For Galvanizing, Add</i>	2.08	
			<i>For >50 To 100, Deduct</i>	-1.45	
			<i>For >100 To 200, Deduct</i>	-2.03	
			<i>For >200, Deduct</i>	-2.90	
10 26	13 00-0061	LF	2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	14.95	3.76
			<i>For Galvanizing, Add</i>	3.04	
			<i>For >50 To 100, Deduct</i>	-1.57	
			<i>For >100 To 200, Deduct</i>	-2.19	
			<i>For >200, Deduct</i>	-3.26	
10 26	13 00-0062	LF	2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	15.90	3.91
			<i>For Galvanizing, Add</i>	3.29	
			<i>For >50 To 100, Deduct</i>	-1.63	
			<i>For >100 To 200, Deduct</i>	-2.28	
			<i>For >200, Deduct</i>	-3.40	
10 26	13 00-0063	LF	3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	16.27	4.05
			<i>For Galvanizing, Add</i>	3.33	
			<i>For >50 To 100, Deduct</i>	-1.69	
			<i>For >100 To 200, Deduct</i>	-2.37	
			<i>For >200, Deduct</i>	-3.52	
10 26	13 00-0064	LF	3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	20.29	4.19
			<i>For Galvanizing, Add</i>	4.65	
			<i>For >50 To 100, Deduct</i>	-1.75	
			<i>For >100 To 200, Deduct</i>	-2.45	
			<i>For >200, Deduct</i>	-3.81	



Specialties	10	10
Interior Specialties	10 20	
Wall And Door Protection	10 26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0065	LF		4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard..... <i>For Galvanizing, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	24.34 5.99 -1.81 -2.53 -4.11	4.34
10 26 13 00-0066	LF		6" x 6" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard..... <i>For Galvanizing, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	41.55 11.17 -2.41 -3.38 -5.94	5.79
10 26 13 00-0067			Stainless Steel Corner Guards <small>(10 26 13)</small>		
10 26 13 00-0068			Stainless Steel Corner Guards <small>(10 26 13 00-0067)</small> Note: Includes 16 gauge, type 304 stainless steel corner guards with #4 satin finish.		
10 26 13 00-0069			Surface Mounted, Stainless Steel Corner Guards <small>(10 26 13 00-0068)</small>		
10 26 13 00-0070			90 Degree Angle, Surface Mounted, Stainless Steel Corner Guards <small>(10 26 13 00-0069)</small>		
10 26 13 00-0071	LF		1" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-520) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	10.07 -1.21 -1.69 -2.43	2.90
10 26 13 00-0072	LF		2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-510) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	11.69 -1.21 -1.69 -2.51	2.90
10 26 13 00-0073	LF		3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-500) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	15.89 -1.21 -1.69 -2.72	2.90
10 26 13 00-0074	LF		Bullnose 3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-550)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	15.89 -1.21 -1.69 -2.72	2.90
10 26 13 00-0075			135 Degree Angle, Surface Mounted, Stainless Steel Corner Guards <small>(10 26 13 00-0069)</small>		
10 26 13 00-0076	LF		3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-600) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	15.89 -1.21 -1.69 -2.72	2.90
10 26 13 00-0077	LF		Bullnose 3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-650)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	15.89 -1.21 -1.69 -2.72	2.90
10 26 13 00-0078			Stainless Steel Angle Iron, Corner Guards <small>(10 26 13 00-0067)</small>		
10 26 13 00-0079			Surface Mounted, Stainless Steel Angle Iron, Corner Guards <small>(10 26 13 00-0078)</small>		
10 26 13 00-0080			90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guards <small>(10 26 13 00-0079)</small>		
10 26 13 00-0081	LF		1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	19.53 -1.45 -2.03 -3.29	3.47
10 26 13 00-0082	LF		2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	32.31 -1.57 -2.19 -4.12	3.76
10 26 13 00-0083	LF		2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	45.07 -1.63 -2.28 -4.86	3.91
10 26 13 00-0084	LF		3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	42.12 -1.69 -2.37 -4.81	4.05
10 26 13 00-0085	LF		3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	60.08 -1.75 -2.45 -5.80	4.19
10 26 13 00-0086	LF		4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	55.53 -1.81 -2.53 -5.67	4.34
10 26 13 00-0087			Rubber Corner Guards <small>(10 26 13)</small> Note: Includes adhesive for installation.		
10 26 13 00-0088			Natural Rubber Corner Guards <small>(10 26 13 00-0087)</small>		

10 Specialties**10 20 Interior Specialties****10 26 Wall And Door Protection**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0089 Surface Mounted, Natural Rubber Corner Guards (10 26 13 00-0088)		
10 26 13 00-0090 90 Degree Angle, Surface Mounted, Natural Rubber Corner Guards (10 26 13 00-0089)		
10 26 13 00-0091 LF 4-3/4" Wing, 90 Degree Angle, Surface Mounted, Natural Rubber Corner Guard (Pawling CG-5).....	46.40	2.90
For >50 To 100, Deduct	-1.21	
For >100 To 200, Deduct	-1.69	
For >200, Deduct	-4.25	
For Bolting To Concrete Or Masonry, Add	7.68	
10 26 13 00-0092 Styrene-Butadiene Rubber (SBR) Corner Guards (10 26 13 00-0087)		
10 26 13 00-0093 Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards (10 26 13 00-0092)		
10 26 13 00-0094 90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards (10 26 13 00-0093)		
10 26 13 00-0095 LF 4-5/8" Wing, 90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guard (Pawling CG-2).....	20.80	2.90
For >50 To 100, Deduct	-1.21	
For >100 To 200, Deduct	-1.69	
For >200, Deduct	-2.97	
For Bolting To Concrete Or Masonry, Add	3.84	
10 26 13 00-0096 Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards (10 26 13 00-0087)		
10 26 13 00-0097 Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards (10 26 13 00-0096)		
10 26 13 00-0098 90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards (10 26 13 00-0097)		
10 26 13 00-0099 LF 4-5/8" Wing, 90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guard (Pawling CG-2E).....	18.23	2.90
For >50 To 100, Deduct	-1.21	
For >100 To 200, Deduct	-1.69	
For >200, Deduct	-2.84	
For Bolting To Concrete Or Masonry, Add	3.46	
10 26 16 Bumper Guards (10 26)		
10 26 16 13 Bumper Rails (10 26 16)		
10 26 16 13-0001 Crash Rails (10 26 16 13) Note: Includes end caps.		
10 26 16 13-0002 Polycarbonate Crash Rails (10 26 16 13-0001)		
10 26 16 13-0003 LF 3" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-3).....	11.11	3.86
For >50 To 100, Deduct	-1.93	
For >100 To 200, Deduct	-2.70	
For >200, Deduct	-3.64	
10 26 16 13-0004 LF 4" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-4).....	12.31	3.86
For >50 To 100, Deduct	-1.93	
For >100 To 200, Deduct	-2.70	
For >200, Deduct	-3.70	
10 26 16 13-0005 Aluminum Crash Rails (10 26 16 13-0001)		
10 26 16 13-0006 LF 4" High, 3-1/4" Deep, Aluminum Crash Rail (Pawling CRA-100).....	33.24	3.86
For >50 To 100, Deduct	-1.93	
For >100 To 200, Deduct	-2.70	
For >200, Deduct	-4.75	
10 26 16 13-0007 Stainless Steel Crash Rails (10 26 16 13-0001)		
10 26 16 13-0008 LF 4" High, 3-1/4" Deep, Stainless Steel Crash Rail (Pawling CRS-100).....	58.76	3.86
For >50 To 100, Deduct	-1.93	
For >100 To 200, Deduct	-2.70	
For >200, Deduct	-6.03	
10 26 16 13-0009 LF 5-1/2" High, 1-1/2" Deep, Stainless Steel Crash Rail (Pawling CRS-200).....	46.00	3.86
For >50 To 100, Deduct	-1.93	
For >100 To 200, Deduct	-2.70	
For >200, Deduct	-5.39	
10 26 16 13-0010 Wall Guards (10 26 16 13)		
10 26 16 13-0011 Rigid Vinyl Wall Guards With Aluminum Retainers (10 26 16 13-0010) Note: Includes end caps.		
10 26 16 13-0012 LF 1-1/2" High, 1-1/2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-1).....	11.55	3.38
For >50 To 100, Deduct	-1.69	
For >100 To 200, Deduct	-2.37	
For >200, Deduct	-3.28	



Specialties	10
Interior Specialties	10 20
Wall And Door Protection	10 26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 13-0013	LF	3"	High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-3)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	14.08 -1.93 -2.70 -3.79	3.86
10 26 16 13-0014	LF	4"	High, 3/4" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-4)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	15.27 -1.93 -2.70 -3.85	3.86
10 26 16 13-0015	LF	5"	High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-5)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	15.91 -1.93 -2.70 -3.88	3.86
10 26 16 13-0016	LF	6"	High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-6)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	19.05 -2.05 -2.87 -4.23	4.10
10 26 16 13-0017	LF	8"	High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-7)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	19.15 -2.05 -2.87 -4.24	4.10
10 26 16 13-0018	LF	7-3/4"	High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-8)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	19.73 -2.05 -2.87 -4.27	4.10
10 26 16 13-0019	LF	12"	High, 2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-12)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	23.79 -2.17 -3.04 -4.66	4.34
10 26 16 13-0020			Rubber Wall Guards <small>(10 26 16 13-0010)</small>		
10 26 16 13-0021			D-Shaped, Rubber Wall Guards <small>(10 26 16 13-0020)</small>		
10 26 16 13-0022	LF	2"	High, 1-3/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-2)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	15.63 -1.69 -2.37 -3.49	3.38
10 26 16 13-0023	LF	3"	High, 3" Deep, D-Shaped, Rubber Wall Guard (Pawling D-3)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	23.03 -1.93 -2.70 -4.24	3.86
10 26 16 13-0024	LF	4"	High, 4-1/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-4)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	34.07 -1.93 -2.70 -4.79	3.86
10 26 16 13-0025	LF	6"	High, 6" Deep, D-Shaped, Rubber Wall Guard (Pawling D-6)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	47.98 -1.93 -2.70 -5.49	3.86
10 26 16 13-0026			Rectangular, Rubber Wall Guards <small>(10 26 16 13-0020)</small>		
10 26 16 13-0027	LF	8"	High, 1-1/2" Deep, Rectangular, Rubber Wall Guard (Pawling E-1)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	36.46 -2.05 -2.87 -5.10	4.10
10 26 16 13-0028	LF	9"	High, 2" Deep, Rectangular, Rubber Wall Guard (Pawling M-2)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	46.07 -2.17 -3.04 -5.78	4.34
10 26 16 13-0029			Wing Type, Rubber Wall Guards <small>(10 26 16 13-0020)</small>		
10 26 16 13-0030	LF	6"	High, 2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-20)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	60.04 -1.93 -2.70 -6.09	3.86
10 26 16 13-0031	LF	6"	High, 3" Deep, Wing Type, Rubber Wall Guard (Pawling WT-30)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	63.86 -1.93 -2.70 -6.28	3.86
10 26 16 13-0032	LF	3-7/8"	High, 2-1/2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-25)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	29.06 -1.69 -2.37 -4.16	3.38
10 26 16 13-0033			U-Shaped, Rubber Wall Guards <small>(10 26 16 13-0020)</small>		
10 26 16 13-0034	LF	3-1/8"	High, 3-7/8" Deep, U-Shaped, Rubber Wall Guard (Pawling U-4)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	50.63 -2.05 -2.87 -5.81	4.10

10	Specialties
10 20	Interior Specialties
10 26	Wall And Door Protection



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 13-0035	LF		4-1/2" High, 3-1/2" Deep, U-Shaped, Rubber Wall Guard (Pawling U-3).....	56.69	4.10
			<i>For >50 To 100, Deduct</i>	-2.05	
			<i>For >100 To 200, Deduct</i>	-2.87	
			<i>For >200, Deduct</i>	-6.11	
10 26 16 13-0036			Accent Rails <small>(10 26 16 13)</small>		
			Note: Includes end caps.		
10 26 16 13-0037			Oval, Rigid Vinyl Accent Rails With Aluminum Retainers <small>(10 26 16 13-0036)</small>		
10 26 16 13-0038	LF		1-1/8" High, 1-1/16" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EB-25).....	13.63	3.38
			<i>For >50 To 100, Deduct</i>	-1.69	
			<i>For >100 To 200, Deduct</i>	-2.37	
			<i>For >200, Deduct</i>	-3.39	
10 26 16 13-0039	LF		2" High, 1-1/8" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EBR-30).....	13.66	3.38
			<i>For >50 To 100, Deduct</i>	-1.69	
			<i>For >100 To 200, Deduct</i>	-2.37	
			<i>For >200, Deduct</i>	-3.39	
10 26 16 13-0040	LF		2" High, 1-3/4" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling WG-22).....	19.54	3.38
			<i>For >50 To 100, Deduct</i>	-1.69	
			<i>For >100 To 200, Deduct</i>	-2.37	
			<i>For >200, Deduct</i>	-3.68	
10 26 16 16			Protective Corridor Handrails <small>(10 26 16)</small>		
10 26 16 16-0001			Protective Corridor Handrails <small>(10 26 16 16)</small>		
10 26 16 16-0002			Vinyl/Acrylic Protective Corridor Handrails With Aluminum Retainers <small>(10 26 16 16-0001)</small>		
10 26 16 16-0003	LF		1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-6CN).....	22.43	7.24
			<i>For >50 To 100, Deduct</i>	-3.62	
			<i>For >100 To 200, Deduct</i>	-5.07	
			<i>For >200, Deduct</i>	-6.91	
10 26 16 16-0004	EA		End Cap For 1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn).....	20.16	7.24
			<i>For >25 To 50, Deduct</i>	-3.62	
			<i>For >50 To 100, Deduct</i>	-5.07	
			<i>For >100, Deduct</i>	-6.80	
10 26 16 16-0005	LF		5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HRB-4C).....	29.24	7.24
			<i>For >50 To 100, Deduct</i>	-3.62	
			<i>For >100 To 200, Deduct</i>	-5.07	
			<i>For >200, Deduct</i>	-7.25	
10 26 16 16-0006	EA		End Cap For 5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn).....	24.70	7.24
			<i>For >25 To 50, Deduct</i>	-3.62	
			<i>For >50 To 100, Deduct</i>	-5.07	
			<i>For >100, Deduct</i>	-7.03	
10 26 16 16-0007	LF		6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn HRB-10CN).....	30.38	7.24
			<i>For >50 To 100, Deduct</i>	-3.62	
			<i>For >100 To 200, Deduct</i>	-5.07	
			<i>For >200, Deduct</i>	-7.31	
10 26 16 16-0008	EA		End Cap For 6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn).....	32.65	7.24
			<i>For >25 To 50, Deduct</i>	-3.62	
			<i>For >50 To 100, Deduct</i>	-5.07	
			<i>For >100, Deduct</i>	-7.42	
10 26 16 16-0009	LF		6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-8CN).....	38.33	7.24
			<i>For >50 To 100, Deduct</i>	-3.62	
			<i>For >100 To 200, Deduct</i>	-5.07	
			<i>For >200, Deduct</i>	-7.71	
10 26 16 16-0010	EA		End Cap For 6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn).....	41.73	7.24
			<i>For >25 To 50, Deduct</i>	-3.62	
			<i>For >50 To 100, Deduct</i>	-5.07	
			<i>For >100, Deduct</i>	-7.88	
10 26 16 16-0011			Stainless Steel Protective Corridor Handrails <small>(10 26 16 16-0001)</small>		
10 26 16 16-0012	LF		5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn P-R).....	49.68	7.24
			<i>For >50 To 100, Deduct</i>	-3.62	
			<i>For >100 To 200, Deduct</i>	-5.07	
			<i>For >200, Deduct</i>	-8.28	
10 26 16 16-0013	EA		End Cap For 5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn).....	50.82	7.24
			<i>For >25 To 50, Deduct</i>	-3.62	
			<i>For >50 To 100, Deduct</i>	-5.07	
			<i>For >100, Deduct</i>	-8.33	
10 26 16 16-0014			Hardwood Protective Corridor Handrails <small>(10 26 16 16-0001)</small>		
			Note: Includes end caps.		
10 26 16 16-0015	LF		4" High, Vinyl Protective Corridor Handrail With 1-1/2" Diameter Wood (Pawling BR-400C).....	29.50	6.40
			<i>For >50 To 100, Deduct</i>	-3.20	
			<i>For >100 To 200, Deduct</i>	-4.48	
			<i>For >200, Deduct</i>	-6.60	
			<i>For Maple, Add</i>	0.50	
10 26 16 16-0016	LF		5-1/2" Diameter, Hardwood Protective Corridor Handrail With Vinyl Inserts (Pawling BR-5500).....	35.11	6.83
			<i>For >50 To 100, Deduct</i>	-3.41	
			<i>For >100 To 200, Deduct</i>	-4.78	
			<i>For >200, Deduct</i>	-7.22	



Specialties	10	10
Interior Specialties	10 20	
Wall And Door Protection	10 26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16	16-0017	LF	1-1/2" Diameter, Hardwood Protective Corridor Handrail (Pawling BR-1500) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Maple, Add</i> <i>For Oak, Add</i>	25.93 -3.20 -4.48 -6.42 5.65 6.30	6.40
10 26 23 Protective Wall Covering (10 26)					
10 26 23 13 Impact Resistant Wall Protection (10 26 23)					
10 26 23	13-0001		Impact Resistant Wall Protection (10 26 23 13) Note: Includes standard trim.		
10 26 23	13-0002	SF	0.030" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-30).....	7.36	2.41
10 26 23	13-0003	SF	0.040" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-40).....	7.67	2.41
10 26 23	13-0004	SF	0.060" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-60).....	9.46	2.41
10 26 23	13-0005		Interior Polyvinyl Chloride (PVC) Soffit System (10 26 23 13) Note: DecoShield Systems, Inc. Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit.		
10 26 23	13-0006		"L" Design (10 26 23 13-0005)		
10 26 23	13-0007		L-Shield (10 26 23 13-0006)		
10 26 23	13-0008	LF	2.38" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe.....	10.88	2.41
10 26 23	13-0009	LF	3" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" And 1-1/2" Pipe.....	12.96	3.38
10 26 23	13-0010	LF	3.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 2" Pipe.....	16.95	4.34
10 26 23	13-0011	LF	5.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2-1/2" Shield Size For 2-1/2" Pipe.....	22.87	5.31
10 26 23	13-0012		"Combo" Hanger (10 26 23 13-0006)		
10 26 23	13-0013	EA	Combination "Combo" Hanger, L-Support, For 3/4" Pipe	13.34	4.83
10 26 23	13-0014	EA	Combination "Combo" Hanger, L-Support, For 1" Pipe	15.56	5.79
10 26 23	13-0015	EA	Combination "Combo" Hanger, L-Support, For 1-1/4" Pipe	18.01	6.76
10 26 23	13-0016	EA	Combination "Combo" Hanger, L-Support, For 1-1/2" Pipe	20.16	7.72
10 26 23	13-0017	EA	Combination "Combo" Hanger, L-Support, For 2" Pipe	22.61	8.69
10 26 23	13-0018		Snap-2 Pipe Hanger (10 26 23 13-0006)		
10 26 23	13-0019	EA	Snap-2 Pipe Hanger, L-Support, For 3/4" Pipe.....	11.57	4.83
10 26 23	13-0020	EA	Snap-2 Pipe Hanger, L-Support, For 1" Pipe.....	14.02	5.79
10 26 23	13-0021	EA	Snap-2 Pipe Hanger, L-Support, For 1-1/4" Pipe.....	16.31	6.76
10 26 23	13-0022	EA	Snap-2 Pipe Hanger, L-Support, For 1-1/2" Pipe.....	18.91	7.72
10 26 23	13-0023	EA	Snap-2 Pipe Hanger, L-Support, For 2" Pipe.....	21.58	8.69
10 26 23	13-0024		Coupling (10 26 23 13-0006)		
10 26 23	13-0025	EA	Coupling, L-Shield, 1" Shield Size	7.12	2.41
10 26 23	13-0026	EA	Coupling, L-Shield, 1-1/4" Shield Size	10.23	3.38
10 26 23	13-0027	EA	Coupling, L-Shield, 2" Shield Size	14.37	4.34
10 26 23	13-0028	EA	Coupling, L-Shield, 2-1/2" Shield Size	17.93	5.31
10 26 23	13-0029		Coupling, Reducer (10 26 23 13-0006)		
10 26 23	13-0030	EA	Coupling, Reducing, L-Shield, 1-1/4" x 1" Shield Size	17.60	2.90
10 26 23	13-0031	EA	Coupling, Reducing, L-Shield, 2" x 1" Shield Size	21.52	3.38
10 26 23	13-0032	EA	Coupling, Reducing, L-Shield, 2" x 1-1/4" Shield Size	25.43	3.86
10 26 23	13-0033	EA	Coupling, Reducing, L-Shield, 2-1/2" x 2" Shield Size	92.89	4.83
10 26 23	13-0034		Shield Clips (10 26 23 13-0006)		
10 26 23	13-0035	EA	Shield Clips, L-Support, 1" Shield Size.....	4.30	1.45
10 26 23	13-0036	EA	Shield Clips, L-Support, 1-1/4" Shield Size.....	6.60	2.41
10 26 23	13-0037	EA	Shield Clips, L-Support, 2" Shield Size.....	8.83	3.38
10 26 23	13-0038	EA	Shield Clips, L-Support, 2-1/2" Shield Size.....	10.31	4.34
10 26 23	13-0039		Wall Flange (10 26 23 13-0006)		
10 26 23	13-0040	EA	Wall Flange, L-Shield, 1" Shield Size.....	6.97	2.41
10 26 23	13-0041	EA	Wall Flange, L-Shield, 1-1/4" Shield Size	9.93	3.38
10 26 23	13-0042	EA	Wall Flange, L-Shield, 2" Shield Size.....	14.08	4.34
10 26 23	13-0043	EA	Wall Flange, L-Shield, 2-1/2" Shield Size	50.22	5.31
10 26 23	13-0044		End Cap (10 26 23 13-0006)		
10 26 23	13-0045	EA	End Cap, L-Shield, 1" Shield Size.....	6.52	1.45
10 26 23	13-0046	EA	End Cap, L-Shield, 1-1/4" Shield Size	8.96	2.41
10 26 23	13-0047	EA	End Cap, L-Shield, 2" Shield Size.....	12.44	3.38
10 26 23	13-0048	EA	End Cap, L-Shield, 2-1/2" Shield Size	50.46	4.34

10 Specialties**10 20 Interior Specialties****10 26 Wall And Door Protection**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0049 Inside/Outside Corner <small>(10 26 23 13-0006)</small>		
10 26 23 13-0050 EA Inside/Outside Corner, L-Shield, 1" Shield Size.....	37.91	4.83
10 26 23 13-0051 EA Inside/Outside Corner, L-Shield, 1-1/4" Shield Size.....	41.25	5.79
10 26 23 13-0052 EA Inside/Outside Corner, L-Shield, 2" Shield Size.....	49.98	7.24
10 26 23 13-0053 EA Inside/Outside Corner, L-Shield, 2-1/2" Shield Size.....	84.89	8.69
10 26 23 13-0054 Joiner <small>(10 26 23 13-0006)</small>		
10 26 23 13-0055 LF Joiner, L-Shield.....	8.14	1.45
10 26 23 13-0056 "U" Design <small>(10 26 23 13-0005)</small>		
10 26 23 13-0057 U-Shield <small>(10 26 23 13-0056)</small>		
10 26 23 13-0058 LF 2.25" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe.....	12.80	2.41
10 26 23 13-0059 LF 2.875" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" Pipe.....	16.21	3.38
10 26 23 13-0060 LF 3.68" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 1-1/2" And 2" Pipe.....	20.72	3.38
10 26 23 13-0061 "Combo" Hanger <small>(10 26 23 13-0056)</small>		
10 26 23 13-0062 EA Combination "Combo" Hanger, U-Support For 3/4" Pipe.....	11.94	4.83
10 26 23 13-0063 EA Combination "Combo" Hanger, U-Support For 1" Pipe.....	14.24	5.79
10 26 23 13-0064 EA Combination "Combo" Hanger, U-Support For 1-1/4" Pipe.....	16.46	6.76
10 26 23 13-0065 EA Combination "Combo" Hanger, U-Support For 1-1/2" Pipe.....	19.94	7.72
10 26 23 13-0066 EA Combination "Combo" Hanger, U-Support For 2" Pipe.....	22.54	8.69
10 26 23 13-0067 Snap-2 Pipe Hanger <small>(10 26 23 13-0056)</small>		
10 26 23 13-0068 EA Snap-2 Pipe Hanger, U-Support, For 3/4" Pipe.....	11.42	4.83
10 26 23 13-0069 EA Snap-2 Pipe Hanger, U-Support, For 1" Pipe.....	13.87	5.79
10 26 23 13-0070 EA Snap-2 Pipe Hanger, U-Support, For 1-1/4" Pipe.....	16.68	6.76
10 26 23 13-0071 EA Snap-2 Pipe Hanger, U-Support, For 1-1/2" Pipe.....	18.76	7.72
10 26 23 13-0072 EA Snap-2 Pipe Hanger, U-Support, For 2" Pipe.....	21.50	8.69
10 26 23 13-0073 Coupling <small>(10 26 23 13-0056)</small>		
10 26 23 13-0074 EA Coupling, U-Shield, 1" Shield Size.....	8.15	2.41
10 26 23 13-0075 EA Coupling, U-Shield, 1-1/4" Shield Size.....	10.45	3.38
10 26 23 13-0076 EA Coupling, U-Shield, 2" Shield Size.....	12.90	4.34
10 26 23 13-0077 Coupling, Reducer <small>(10 26 23 13-0056)</small>		
10 26 23 13-0078 EA Reducing Coupling, U-Shield, 1-1/4" x 1" Shield Size.....	20.55	2.90
10 26 23 13-0079 EA Reducing Coupling, U-Shield, 2" x 1" Shield Size.....	24.47	3.38
10 26 23 13-0080 EA Reducing Coupling, U-Shield, 2" x 1-1/4" Shield Size.....	26.17	3.86
10 26 23 13-0081 Shield Clips <small>(10 26 23 13-0056)</small>		
10 26 23 13-0082 EA Shield Clips, U-Support, 1" Shield Size.....	4.01	1.45
10 26 23 13-0083 EA Shield Clips, U-Support, 1-1/4" Shield Size.....	6.08	2.41
10 26 23 13-0084 EA Shield Clips, U-Support, 2" Shield Size.....	8.16	3.38
10 26 23 13-0085 Wall Flange <small>(10 26 23 13-0056)</small>		
10 26 23 13-0086 EA Wall Flange, U-Shield, 1" Shield Size.....	7.93	2.41
10 26 23 13-0087 EA Wall Flange, U-Shield, 1-1/4" Shield Size.....	10.38	3.38
10 26 23 13-0088 EA Wall Flange, U-Shield, 2" Shield Size.....	12.82	4.34
10 26 23 13-0089 End Cap <small>(10 26 23 13-0056)</small>		
10 26 23 13-0090 EA End Cap, U-Shield, 1" Shield Size.....	6.88	1.45
10 26 23 13-0091 EA End Cap, U-Shield, 1-1/4" Shield Size.....	9.55	2.41
10 26 23 13-0092 EA End Cap, U-Shield, 2" Shield Size.....	12.15	3.38
10 26 23 13-0093 Inside/Outside Corner <small>(10 26 23 13-0056)</small>		
10 26 23 13-0094 EA Inside/Outside Corner, U-Shield, 1" Shield Size.....	46.84	4.83
10 26 23 13-0095 EA Inside/Outside Corner, U-Shield, 1-1/4" Shield Size.....	52.39	5.79
10 26 23 13-0096 EA Inside/Outside Corner, U-Shield, 2" Shield Size.....	62.23	7.24
10 26 23 13-0097 Elbow <small>(10 26 23 13-0056)</small>		
10 26 23 13-0098 EA Elbow, U-Shield, 1" Shield Size.....	46.03	4.83
10 26 23 13-0099 EA Elbow, U-Shield, 1-1/4" Shield Size.....	50.91	5.79
10 26 23 13-0100 EA Elbow, U-Shield, 2" Shield Size.....	60.82	7.24



Specialties	10	10
Interior Specialties	10 20	
Wall And Door Protection	10 26	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0101 Tee <small>(10 26 23 13-0056)</small>		
10 26 23 13-0102 EA Tee, U-Shield, 1" x 1" x 1" Shield Size.....	58.98	7.24
10 26 23 13-0103 EA Tee, U-Shield, 1-1/4" x 1-1/4" x 1-1/4" Shield Size.....	66.00	8.69
10 26 23 13-0104 EA Tee, U-Shield, 2" x 2" x 2" Shield Size.....	77.39	10.62
10 26 23 13-0105 EA Tee, U-Shield, 1-1/4" x 1-1/4" x 1" Shield Size.....	76.91	8.21
10 26 23 13-0106 EA Tee, U-Shield, 2" x 2" x 1-1/4" Shield Size.....	83.80	10.14
10 26 23 13-0107 Cross <small>(10 26 23 13-0056)</small>		
10 26 23 13-0108 EA Cross, U-Shield, 1" Shield Size.....	104.53	9.65
10 26 23 13-0109 EA Cross, U-Shield, 1-1/4" Shield Size.....	117.62	11.58
10 26 23 13-0110 EA Cross, U-Shield, 2" Shield Size.....	143.18	14.48
10 26 23 13-0111 EA Cross, U-Shield, 1-1/4" x 1" Shield Size.....	141.66	10.62
10 26 23 13-0112 EA Cross, U-Shield, 2" x 1-1/4" Shield Size.....	156.67	13.03
10 26 23 13-0113 Transition Fittings (L to U Or U to L) <small>(10 26 23 13-0005)</small>		
10 26 23 13-0114 Coupling Transition <small>(10 26 23 13-0113)</small>		
10 26 23 13-0115 EA Transition Coupling, 1" x 1", LxU or UxL.....	18.26	2.41
10 26 23 13-0116 EA Transition Coupling, 1-1/4" x 1-1/4", LxU or UxL.....	21.08	3.38
10 26 23 13-0117 EA Transition Coupling, 2" x 2", LxU or UxL.....	26.33	4.34
10 26 23 13-0118 EA Transition Coupling, 1" x 1-1/4", LxU or UxL.....	20.77	2.90
10 26 23 13-0119 EA Transition Coupling, 1-1/4" x 2", LxU or UxL.....	26.02	3.86
10 26 23 13-0120 EA Transition Coupling, 2" x 2-1/2", LxU or UxL.....	97.10	4.83
10 26 23 13-0121 Elbow Transition <small>(10 26 23 13-0113)</small>		
10 26 23 13-0122 EA Transition Elbow, 1" x 1" (UxL).....	60.86	4.83
10 26 23 13-0123 EA Transition Elbow, 1-1/4" x 1-1/4" (UxL).....	66.34	5.79
10 26 23 13-0124 EA Transition Elbow, 2" x 2" (UxL).....	78.09	7.24
10 26 23 13-0125 EA Transition Elbow, 1" x 1-1/4" (UxL).....	93.27	5.31
10 26 23 13-0126 EA Transition Elbow, 1-1/4" x 1" (UxL).....	67.00	5.31
10 26 23 13-0127 EA Transition Elbow, 1-1/4" x 2" (UxL).....	99.26	6.76
10 26 23 13-0128 EA Transition Elbow, 2" x 1-1/4" (UxL).....	77.93	6.76
10 26 23 13-0129 EA Transition Elbow, 2" x 2-1/2" (UxL).....	119.05	7.72
10 26 23 13-0130 Tee Transition <small>(10 26 23 13-0113)</small>		
10 26 23 13-0131 EA Transition Tee, 1" x 1" x 1" (LxLxU).....	70.86	7.24
10 26 23 13-0132 EA Transition Tee, 1-1/4" x 1-1/4" x 1-1/4" (LxLxU).....	82.16	8.69
10 26 23 13-0133 EA Transition Tee, 2" x 2" x 2" (LxLxU).....	95.91	10.62
10 26 23 13-0134 EA Transition Tee, 1-1/4" x 1-1/4" x 1" (LxLxU).....	75.21	8.21
10 26 23 13-0135 EA Transition Tee, 1-1/4" x 1-1/4" x 2" (LxLxU).....	115.74	9.17
10 26 23 13-0136 EA Transition Tee, 2" x 2" x 1-1/4" (LxLxU).....	84.46	10.14
10 26 23 13-0137 EA Transition Tee, 2-1/2" x 2-1/2" x 2" (LxLxU).....	114.15	12.07
10 26 23 13-0138 Fittings (L Or U) <small>(10 26 23 13-0005)</small>		
10 26 23 13-0139 Hugger Hangers For Steel Pipe <small>(10 26 23 13-0138)</small>		
10 26 23 13-0140 EA Hugger Hanger, For 1/2" Steel Pipe.....	9.27	3.86
10 26 23 13-0141 EA Hugger Hanger, For 3/4" Steel Pipe.....	11.57	4.83
10 26 23 13-0142 EA Hugger Hanger, For 1" Steel Pipe.....	13.65	5.79
10 26 23 13-0143 EA Hugger Hanger, For 1-1/4" Steel Pipe.....	15.80	6.76
10 26 23 13-0144 EA Hugger Hanger, For 1-1/2" Steel Pipe.....	17.88	7.72
10 26 23 13-0145 EA Hugger Hanger, For 2" Steel Pipe.....	20.10	7.72
10 26 23 13-0146 EA Hugger Hanger, For 2-1/2" Steel Pipe.....	22.18	9.65
10 26 23 13-0147 EA Hugger Hanger, For 3" Steel Pipe.....	26.84	10.62
10 26 23 13-0148 Hugger Hangers For Copper Pipe <small>(10 26 23 13-0138)</small>		
10 26 23 13-0149 EA Hugger Hanger, For 1/2" Copper Pipe.....	9.34	3.86
10 26 23 13-0150 EA Hugger Hanger, For 3/4" Copper Pipe.....	11.64	4.83
10 26 23 13-0151 EA Hugger Hanger, For 1" Copper Pipe.....	13.72	5.79
10 26 23 13-0152 EA Hugger Hanger, For 1-1/4" Copper Pipe.....	15.87	6.76
10 26 23 13-0153 EA Hugger Hanger, For 1-1/2" Copper Pipe.....	17.95	7.72
10 26 23 13-0154 EA Hugger Hanger, For 2" Copper Pipe.....	20.25	8.69
10 26 23 13-0155 EA Hugger Hanger, For 2-1/2" Copper Pipe.....	22.33	9.65
10 26 23 13-0156 EA Hugger Hanger, For 3" Copper Pipe.....	27.06	10.62
10 26 23 13-0157 Shield Extension (L Or U) <small>(10 26 23 13-0138)</small>		
10 26 23 13-0158 LF Shield Extension.....	9.69	1.45
10 26 23 13-0159 Interior Steel Soffit System <small>(10 26 23 13)</small>		
Note: Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit. Includes factory painted finish and field touch-up.		

10 Specialties**10 20 Interior Specialties****10 26 Wall And Door Protection**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0160 SF 24 Gauge Steel, U-Shield (JG Innovations Soffi-Steel).....	19.41	4.34
For 22 Gauge Steel, Add	1.07	
For 20 Gauge Steel, Add	2.29	
For 18 Gauge Steel, Add	4.50	
For 16 Gauge Steel, Add	6.91	
For Stainless Steel, Add	2.68	
10 26 23 13-0161 EA U-Shield Wall Flange (JG Innovations Soffi-Steel).....	33.89	12.07
For Stainless Steel, Add	2.44	
10 26 23 13-0162 EA U-Shield Corner (JG Innovations Soffi-Steel)	75.51	14.48
For Stainless Steel, Add	11.40	
10 26 23 13-0163 EA U-Shield End Cap (JG Innovations Soffi-Steel)	24.90	7.24
For Stainless Steel, Add	2.61	
10 26 23 13-0164 EA U-Shield Clip (JG Innovations Soffi-Steel)	6.21	2.90
For Stainless Steel, Add	0.11	
10 26 23 13-0165 SF 24 Gauge Steel, L-Shield (JG Innovations Soffi-Steel)	21.70	4.34
For 22 Gauge Steel, Add	0.98	
For 20 Gauge Steel, Add	2.08	
For 18 Gauge Steel, Add	4.03	
For 16 Gauge Steel, Add	6.77	
For Stainless Steel, Add	3.25	
10 26 23 13-0166 EA L-Shield Wall Flange (JG Innovations Soffi-Steel)	33.89	12.07
For Stainless Steel, Add	2.44	
10 26 23 13-0167 EA L-Shield Corner (JG Innovations Soffi-Steel)	75.51	14.48
For Stainless Steel, Add	11.40	
10 26 23 13-0168 EA L-Shield End Cap (JG Innovations Soffi-Steel)	21.04	5.31
For Stainless Steel, Add	2.61	
10 26 23 13-0169 EA L-Shield Clip (JG Innovations Soffi-Steel)	6.21	2.90
For Stainless Steel, Add	0.11	

10 26 41 Bullet Resistant Panels (10 26)**10 26 41 00-0001****Laminated Bullet Resistant Fiberglass Panel (10 26 41)**

Note: Material consisting of multiple layers of woven roving ballistic grade fiberglass cloth impregnated with a thermoset polyester resin and compressed into rigid flat sheets.

10 26 41 00-0002 SF 1/8" Thick Ballistic Resistant Fiberglass Panel, 1.2 LB/SF.....	13.96	1.36
10 26 41 00-0003 SF 3/16" Thick Ballistic Resistant Fiberglass Panel, 2 LB/SF.....	18.56	1.46
10 26 41 00-0004 SF 1/4" Thick Ballistic Resistant Fiberglass Panel, 2.4 To 2.6 LB/SF	20.87	1.55
10 26 41 00-0005 SF 5/16" Thick Ballistic Resistant Fiberglass Panel, 3 To 3.6 LB/SF	22.24	1.65
10 26 41 00-0006 SF 3/8" Thick Ballistic Resistant Fiberglass Panel, 3.6 To 3.9 LB/SF	24.03	1.75
10 26 41 00-0007 SF 7/16" Thick Ballistic Resistant Fiberglass Panel, 4 To 4.9 LB/SF	25.82	1.84
10 26 41 00-0008 SF 9/16" Thick Ballistic Resistant Fiberglass Panel, 5.5 To 6.6 LB/SF	42.57	2.24
10 26 41 00-0009 SF 1-1/8" Thick Ballistic Resistant Fiberglass Panel, 11 To 11.7 LB/SF	60.98	3.49
10 26 41 00-0010 SF 1-3/16" Thick Ballistic Resistant Fiberglass Panel, 12 To 13.2 LB/SF	72.09	4.17
10 26 41 00-0011 SF 1-5/16" Thick Ballistic Resistant Fiberglass Panel, 13.4 To 14 LB/SF	87.59	4.57
10 26 41 00-0012 SF 1-7/16" Thick Ballistic Resistant Fiberglass Panel, 15.2 To 16 LB/SF	99.21	4.86

10 28 Toilet, Bath, And Laundry Accessories (10 20)**10 28 13 Toilet Accessories (10 28)****10 28 13 13 Commercial Toilet Accessories (10 28 13)****10 28 13 13-0001 Toilet Accessories (10 28 13 13)****10 28 13 13-0002 Dispensers (10 28 13 13-0001)****10 28 13 13-0003 Paper Towel Dispensers (10 28 13 13-0002)****10 28 13 13-0004 Stainless Steel Paper Towel Dispensers (10 28 13 13-0003)**

10 28 13 13-0005 EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-262).....	84.54	21.70
10 28 13 13-0006 EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2620)	89.73	21.70
10 28 13 13-0007 EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2621)	90.50	21.70
10 28 13 13-0008 EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-26212).....	91.98	21.70
10 28 13 13-0009 EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-263)	132.97	21.70
10 28 13 13-0010 EA Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-359)	144.73	21.70
10 28 13 13-0011 EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Contura B-4262)	155.35	21.70
10 28 13 13-0012 EA Countertop Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick TrimLine B-526)	155.83	9.65
10 28 13 13-0013 EA Concealed Cabinet, Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-318)	264.84	21.70
10 28 13 13-0014 EA Touch Free, Surface Mounted, Stainless Steel Roll Paper Towel Dispenser (Bobrick B-2860).....	308.82	21.70
10 28 13 13-0015 EA Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-4369).....	333.84	21.70
10 28 13 13-0016 EA Recessed Automated Touchless Towel Dispenser, Stainless (Georgia-Pacific enMotion® 59466)	195.37	21.70
10 28 13 13-0017 EA Stainless Steel Mounting Bracket For Wall Mounting enMotion Recessed Automated Touchless Towel Dispenser (Georgia-Pacific enMotion® 59476)	93.63	12.06

10 28 13 13-0018 Plastic Paper Towel Dispensers (10 28 13 13-0003)

10 28 13 13-0019 EA Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Folded Paper Towel Dispenser (Bobrick Matrix B-5262)	66.85	21.70
10 28 13 13-0020 EA Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick Matrix B-52860)	126.43	21.70
10 28 13 13-0021 EA Surface Mounted, Translucent Cover, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick B-72860).....	125.63	21.70



Specialties	10	10
Interior Specialties	10 20	
Toilet, Bath, And Laundry Accessories	10 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0022 EA Surface Mounted, Automated Touchless Towel Dispenser, Translucent Plastic (Georgia-Pacific enMotion® 59462)	108.50	21.70
10 28 13 13-0023 Aluminum Paper Towel Dispensers (10 28 13 13-0003)		
10 28 13 13-0024 EA Surface Mounted, Heavy-Duty Aluminum Casting Roll Paper Towel Dispenser (Bobrick B-253).....	72.05	21.70
10 28 13 13-0025 Toilet Tissue Dispensers (10 28 13 13-0002)		
10 28 13 13-0026 Plastic Toilet Tissue Dispensers (10 28 13 13-0025)		
10 28 13 13-0027 EA Two Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Bobrick B-5288)	66.66	21.70
10 28 13 13-0028 EA Two Jumbo Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Georgia Pacific 58250).....	184.57	21.70
10 28 13 13-0029 EA Vertical Double Roll, Surface Mounted, Translucent Plastic Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56760).....	59.13	21.70
10 28 13 13-0030 EA Side By Side Double Roll, Surface Mounted, Translucent Plastic Toilet Tissue Dispenser (Georgia-Pacific Compact® 56784)	67.98	21.70
10 28 13 13-0031 Cast Aluminum Toilet Tissue Dispensers (10 28 13 13-0025)		
10 28 13 13-0032 EA Single Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2730)	61.29	21.70
10 28 13 13-0033 EA Single Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-273).....	61.67	21.70
10 28 13 13-0034 EA Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2740).....	64.36	21.70
10 28 13 13-0035 EA Two Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-274).....	69.35	21.70
10 28 13 13-0036 EA Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-27460)	87.80	21.70
10 28 13 13-0037 Stainless Steel Toilet Tissue Dispensers (10 28 13 13-0025)		
10 28 13 13-0038 EA Single Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-264)	53.79	21.70
10 28 13 13-0039 EA Single Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-663).....	78.77	21.70
10 28 13 13-0040 EA Single Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2890).....	78.89	21.70
10 28 13 13-0041 EA Single Fold/Double Fold, Surface Mounted, Stainless Steel Toilet Tissue Cabinet (Bobrick B-272)	90.69	21.70
10 28 13 13-0042 EA Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-265)	60.90	21.70
10 28 13 13-0043 EA Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-2888).....	96.64	21.70
10 28 13 13-0044 EA Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-3888).....	134.16	21.70
10 28 13 13-0045 EA Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4288).....	137.58	21.70
10 28 13 13-0046 EA Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4388).....	173.76	21.70
10 28 13 13-0047 EA Two Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2892).....	196.58	21.70
10 28 13 13-0048 EA Four Roll, Partition Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-386)	245.37	21.70
Note: Mounts centered through toilet partitions.		
10 28 13 13-0049 EA Stainless Steel Shelf And Double Roll Toilet Tissue Dispenser (Bobrick B-2840).....	109.71	21.70
10 28 13 13-0050 EA Vertical Double Roll, Surface Mounted, Stainless Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56782)	102.20	21.70
10 28 13 13-0051 EA Side By Side Double Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Georgia-Pacific Compact® 56796)	84.37	21.70
10 28 13 13-0052 Soap Dispensers (10 28 13 13-0002)		
10 28 13 13-0053 EA 20 Fluid Ounce, 4" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-8221).....	77.81	21.70
For 34 Fluid Ounce (B-822), Add 4.42		
10 28 13 13-0054 EA 20 Fluid Ounce, 6" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-82216).....	83.58	21.70
For 34 Fluid Ounce (B-822), Add 4.42		
10 28 13 13-0055 EA 24 Fluid Ounce, Surface Mounted, Translucent Polyethylene Soap Dispenser (Bobrick B-156).....	55.90	21.70
10 28 13 13-0056 EA 24 Fluid Ounce, Surface Mounted, Chrome-Plated, Translucent Polyethylene Soap Dispenser (Bobrick B-155).....	59.94	21.70
10 28 13 13-0057 EA 40 Fluid Ounce, Concealed Surface Mounted, Translucent Soap Dispenser (Bobrick B-40)	72.54	21.70
10 28 13 13-0058 EA 40 Fluid Ounce, Surface Mounted, Translucent Plastic Soap Dispenser (Bobrick Classic B-42)	74.20	21.70
10 28 13 13-0059 EA 40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Classic B-2111/2112).....	78.96	21.70
10 28 13 13-0060 EA 40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4112).....	97.22	21.70
10 28 13 13-0061 EA 45 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick B-306).....	160.87	21.70
10 28 13 13-0062 EA 50 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4063).....	249.47	21.70
10 28 13 13-0063 EA 800 ml, Lavatory Mounted, Chrome Plated Automatic Soap Dispenser (Bobrick B-826.18)	159.20	21.70
Note: Includes start-up kit.		
10 28 13 13-0064 Facial Tissue Dispensers (10 28 13 13-0002)		
10 28 13 13-0065 EA Surface Mounted, Stainless Steel Facial Tissue Dispenser (Bobrick B-8397).....	88.19	21.70
10 28 13 13-0066 EA Recessed Mounted, Stainless Steel Facial Tissue Dispenser (Gamco 355)	67.23	21.70
10 28 13 13-0067 Sanitary Toilet Seat Cover Dispensers (10 28 13 13-0002)		
10 28 13 13-0068 EA Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Sanitary Seat-Cover Dispenser (Bobrick Matrix B-5221)	55.13	21.70
10 28 13 13-0069 EA Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-221)	70.32	21.70
10 28 13 13-0070 EA Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Contura B-4221).....	118.17	21.70
10 28 13 13-0071 EA Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-301).....	125.71	21.70
10 28 13 13-0072 EA Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick TrimLine B-3013)	236.98	21.70

10 Specialties**10 20 Interior Specialties****10 28 Toilet, Bath, And Laundry Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0073			Sanitary Toilet Seat Cover/Toilet Tissue Dispensers <small>(10 28 13 13-0002)</small>		
10 28 13 13-0074	EA		Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick Classic B-3479)	369.25	21.70
10 28 13 13-0075	EA		Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-34745)	230.39	21.70
10 28 13 13-0076			Sanitary Napkin/Tampon Dispensers <small>(10 28 13 13-0002)</small>		
10 28 13 13-0077	EA		Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick B-370639C)	453.73	21.70
10 28 13 13-0078	EA		Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Gamco B-282 25)	347.25	21.70
10 28 13 13-0079	EA		Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vending (Bobrick B-2706)	459.59	21.70
10 28 13 13-0080	EA		Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick Classic B-352 25)	352.10	21.70
10 28 13 13-0081	EA		Recessed Mounted, Single Coin Operation, Stainless Steel, Sanitary Napkin/Tampon Vendor (Gamco NV-2-4)	310.92	21.70
10 28 13 13-0082			Toilet Compartment Combination Dispenser/Disposals <small>(10 28 13 13-0002)</small>		
10 28 13 13-0083	EA		Side Wall Recessed Mounted, Stainless Steel Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3094)	334.08	48.23
10 28 13 13-0084	EA		Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-3474)	370.72	48.23
10 28 13 13-0085	EA		Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-35745)	310.79	48.23
10 28 13 13-0086	EA		Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3574)	429.53	48.23
10 28 13 13-0087	EA		Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-347)	440.86	48.23
10 28 13 13-0088	EA		Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-357)	504.09	48.23
10 28 13 13-0089	EA		Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3579)	473.85	48.23
10 28 13 13-0090			Receptacles <small>(10 28 13 13-0001)</small>		
10 28 13 13-0091			Wall Mounted Waste Receptacles <small>(10 28 13 13-0090)</small>		
10 28 13 13-0092	EA		1-1/2 Gallon, Surface Mounted, Stainless Steel Facial Tissue Waste Receptacle (Gamco WR-3)	78.94	21.70
10 28 13 13-0093	EA		6.4 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-279)	125.09	21.70
10 28 13 13-0094	EA		12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Classic B-3644)	288.27	48.23
10 28 13 13-0095	EA		12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Contura B-43644)	418.19	48.23
10 28 13 13-0096	EA		20 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-275)	335.36	48.23
10 28 13 13-0097			Floor-Standing/Counter Waste Receptacles <small>(10 28 13 13-0090)</small>		
10 28 13 13-0098	EA		5-7/8" Inside Diameter, 3-7/8" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-532)	91.55	21.70
10 28 13 13-0099	EA		5-7/16" Inside Diameter, 5" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-529)	127.20	21.70
10 28 13 13-0100	EA		13 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2260)	229.64	9.65
10 28 13 13-0101	EA		13 Gallon, Swing-Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2250)	345.34	9.65
10 28 13 13-0102	EA		18 Gallon, Open Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2300)	323.78	9.65
10 28 13 13-0103	EA		21 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2280)	311.52	9.65
10 28 13 13-0104			Combination Paper Towel Dispenser/ Waste Receptacle <small>(10 28 13 13-0090)</small>		
10 28 13 13-0105	EA		2 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-369)	242.15	48.23
10 28 13 13-0106	EA		2.6 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Contura B-4369)	377.25	48.23
10 28 13 13-0107	EA		12 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-3944)	371.88	48.23
10 28 13 13-0108	EA		12 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-3900)	531.48	48.23
10 28 13 13-0109	EA		12 Gallon, Semi-Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-3909)	724.19	48.23
10 28 13 13-0110	EA		12 Gallon, Recessed Mounted, Stainless Steel Combination Roll Towel Dispenser / Waste Receptacle (Bobrick Classic B-3961)	615.18	48.23
10 28 13 13-0111	EA		12 Gallon, Surface Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-3949)	478.75	48.23
10 28 13 13-0112	EA		12 Gallon, Surface Mounted, Stainless Steel Combination Roll Towel Dispenser / Waste Receptacle (Bobrick Classic B-39619)	763.16	48.23
10 28 13 13-0113	EA		16 Gallon, Semi-Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Contura B-43944)	709.20	53.06
10 28 13 13-0114	EA		18 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-3947)	483.95	53.06
10 28 13 13-0115			Sanitary Napkin/Tampon Receptacles <small>(10 28 13 13-0090)</small>		
10 28 13 13-0116	EA		Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Contura B-270)	74.56	24.11
10 28 13 13-0117	EA		Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-254)	137.95	24.11
10 28 13 13-0118	EA		Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-353)	149.13	24.11
10 28 13 13-0119	EA		Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-35303)	334.01	24.11
10 28 13 13-0120	EA		Partition Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-354)	182.18	24.11
10 28 13 13-0121	EA		Partition Mounted, Stainless Steel Sanitary Napkin Disposal (Bobrick Contura B-4354)	311.14	24.11



Specialties	10	10
Interior Specialties	10 20	
Toilet, Bath, And Laundry Accessories	10 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0122 Grab Bars <small>(10 28 13 13-0001)</small>		
10 28 13 13-0123 1-1/4" Diameter, Stainless Steel Grab Bars <small>(10 28 13 13-0122)</small>		
Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0124 EA 12" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Gamco 125sx12).....	71.12	19.29
For Peened Grip, Add	3.36	
10 28 13 13-0125 EA 18" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x18).....	80.67	19.29
For Peened Grip, Add	4.22	
10 28 13 13-0126 EA 24" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x24).....	81.63	19.29
For Peened Grip, Add	4.31	
10 28 13 13-0127 EA 30" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x30).....	82.08	19.29
For Peened Grip, Add	4.35	
10 28 13 13-0128 EA 36" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x36).....	82.21	19.29
For Peened Grip, Add	4.36	
10 28 13 13-0129 EA 42" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x42).....	84.52	19.29
For Peened Grip, Add	4.57	
10 28 13 13-0130 EA 48" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x48).....	88.16	19.29
For Peened Grip, Add	4.90	
10 28 13 13-0131 1-1/4" Diameter, Two Wall, Stainless Steel Grab Bars <small>(10 28 13 13-0122)</small>		
Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0132 EA 24" x 36", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-58616).....	131.43	19.29
For Peened Grip, Add	8.36	
10 28 13 13-0133 EA 36" x 54", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5837).....	133.92	19.29
For Peened Grip, Add	8.58	
10 28 13 13-0134 1-1/2" Diameter, Stainless Steel Grab Bars <small>(10 28 13 13-0122)</small>		
Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0135 EA 12" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x12).....	79.88	19.29
For Peened Grip, Add	4.15	
10 28 13 13-0136 EA 18" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x18).....	80.67	19.29
For Peened Grip, Add	4.22	
10 28 13 13-0137 EA 24" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x24).....	82.21	19.29
For Peened Grip, Add	4.36	
10 28 13 13-0138 EA 30" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x30).....	83.75	19.29
For Peened Grip, Add	4.50	
10 28 13 13-0139 EA 36" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x36).....	85.67	19.29
For Peened Grip, Add	4.67	
10 28 13 13-0140 EA 42" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x42).....	87.40	19.29
For Peened Grip, Add	4.83	
10 28 13 13-0141 EA 48" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x48).....	91.62	19.29
For Peened Grip, Add	5.21	
10 28 13 13-0142 1-1/2" Diameter, Two Wall, Stainless Steel Grab Bars <small>(10 28 13 13-0122)</small>		
Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0143 EA 16" x 31", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6861).....	121.04	19.29
For Peened Grip, Add	7.42	
10 28 13 13-0144 EA 24" x 36", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68616).....	129.32	19.29
For Peened Grip, Add	8.17	
10 28 13 13-0145 EA 36" x 54", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68137).....	113.74	19.29
For Peened Grip, Add	6.76	
10 28 13 13-0146 1-1/4" Diameter, Stainless Steel Swing Up Grab Bars <small>(10 28 13 13-0122)</small>		
Note: Includes satin finish.		
10 28 13 13-0147 EA 29" Length, 1-1/4" Diameter, Stainless Steel Swing Up Grab Bar (Bobrick B-4998).....	334.36	19.29
For Peened Grip, Add	27.05	
10 28 13 13-0148 Shelves <small>(10 28 13 13-0001)</small>		
10 28 13 13-0149 EA 5" Width x 16" Length, Stainless Steel Shelf (Bobrick B-295).....	92.80	21.70
10 28 13 13-0150 EA 5" Width x 18" Length, Stainless Steel Shelf (Bobrick B-295).....	95.11	21.70
10 28 13 13-0151 EA 5" Width x 24" Length, Stainless Steel Shelf (Bobrick B-295).....	105.68	21.70
10 28 13 13-0152 EA 5" Width x 36" Length, Stainless Steel Shelf (Gamco S-5x36).....	108.34	21.70
10 28 13 13-0153 EA 6" Width x 18" Length, Stainless Steel Shelf (Bobrick B-296).....	104.15	21.70
10 28 13 13-0154 EA 6" Width x 24" Length, Stainless Steel Shelf (Gamco S-6x24).....	105.40	21.70
10 28 13 13-0155 EA 8" Width x 18" Length, Stainless Steel Shelf (Bobrick B-298).....	111.64	21.70
10 28 13 13-0156 EA 8" Width x 24" Length, Stainless Steel Shelf (Bobrick B-298).....	120.67	21.70
10 28 13 13-0157 EA 8" Width x 36" Length, Stainless Steel Shelf (Gamco S-8x36).....	139.75	21.70
10 28 13 13-0158 EA 5-3/4" Width x 14-1/2" Length, Folding Stainless Steel Utility Shelf (Bobrick B-287).....	111.83	21.70
10 28 13 13-0159 EA 4-3/4" Width x 24" Length, Stainless Steel Toiletry Shelf (Bobrick B-683).....	113.75	21.70
10 28 13 13-0160 EA 12" Width x 24" Length, Stainless Steel Shelf (Bradley 7512-24).....	395.64	21.70
10 28 13 13-0161 EA 12" Width x 30" Length, Stainless Steel Shelf (Bradley 7512-30).....	426.41	21.70
10 28 13 13-0162 EA 12" Width x 36" Length, Stainless Steel Shelf (Bradley 7512-36).....	473.91	21.70
10 28 13 13-0163 EA 12" Width x 48" Length, Stainless Steel Shelf (Bradley 7512-48).....	603.14	21.70
10 28 13 13-0164 EA 12" Width x 60" Length, Stainless Steel Shelf (Bradley 7512-60).....	838.57	21.70
10 28 13 13-0165 EA 4-1/4" Width x 16-1/2" Length x 6-1/2" Height, Recessed Stainless Steel Shelf (American Specialties 0412).....	307.92	21.70

10 Specialties**10 20 Interior Specialties****10 28 Toilet, Bath, And Laundry Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0166 Changing Stations <small>(10 28 13 13-0001)</small>		
10 28 13 13-0167 EA Horizontal, Wall-Mounted, Polyethylene Baby Changing Station (Gamco BCS-1)	330.75	28.94
10 28 13 13-0168 EA Vertical, Wall-Mounted, Polyethylene Baby Changing Station (Bobrick Koala Care KB101-00)	349.31	28.94
10 28 13 13-0169 EA Horizontal, Wall-Mounted, Polypropylene Baby Changing Station (Bobrick Koala Care KB200-00)	291.85	28.94
10 28 13 13-0170 EA Horizontal, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSRE)	1,347.61	28.94
10 28 13 13-0171 EA Horizontal, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSWM)	1,559.82	28.94
10 28 13 13-0172 EA Vertical, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSRE)	1,347.61	28.94
10 28 13 13-0173 EA Vertical, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSWM)	1,559.82	28.94
10 28 13 13-0174 Folding Shower Seats <small>(10 28 13 13-0001)</small>		
10 28 13 13-0175 EA 33" Width, Wall-Mounted, Reversible, Folding, Stainless Steel Hardware, Solid Phenolic Shower Seat (Bobrick B-5181)	420.11	38.59
10 28 13 13-0176 EA 33" Width, Wall-Mounted, Foam Padded, Naugahyde® Folding Shower Seat (Bobrick B-517/518)	541.18	38.59
10 28 13 13-0177 EA 30" Width, Wall-Mounted, Teakwood Folding Shower Seat	1,180.14	38.59
10 28 13 13-0178 EA 33-1/2" Width, Wall-Mounted, Stainless Steel, ADA Folding Shower Seat, (Acorn Shower-Ware 1103-31/1103-32)	2,116.96	
10 28 13 13-0179 Soap/Dish Holders <small>(10 28 13 13-0001)</small>		
10 28 13 13-0180 EA Surface Mounted, Stainless Steel Toothbrush and Tumbler Holder (Gamco 7679)	51.73	21.70
10 28 13 13-0181 EA Surface Mounted, Stainless Steel Soap Dish (Gamco 7680)	53.07	21.70
10 28 13 13-0182 EA Recessed Mounted, Stainless Steel Soap Dish (Bobrick B-4380)	88.61	21.70
10 28 13 13-0183 EA Recessed Mounted, Stainless Steel Soap Dish And Bar (Bobrick B-4390)	95.34	21.70
10 28 13 13-0184 Shower Curtains/Curtain Rods <small>(10 28 13 13-0001)</small>		
10 28 13 13-0185 EA Stainless Steel Shower Curtain Hook (Bobrick B-204-1)	2.53	0.96
10 28 13 13-0186 EA 42" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-2)	38.71	9.65
Note: Requires 7 curtain hooks.		
10 28 13 13-0187 EA 70" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-3)	40.34	9.65
Note: Requires 12 curtain hooks.		
10 28 13 13-0188 EA 36" Length, 20 Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	70.51	21.70
10 28 13 13-0189 EA 48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	74.74	21.70
10 28 13 13-0190 EA 60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	79.93	21.70
10 28 13 13-0191 EA 72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	86.27	21.70
10 28 13 13-0192 EA 36" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x36)	63.21	21.70
10 28 13 13-0193 EA 48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x48)	68.20	21.70
10 28 13 13-0194 EA 60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x60)	71.09	21.70
10 28 13 13-0195 EA 72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x72)	74.74	21.70
10 28 13 13-0196 EA 36" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	65.32	21.70
10 28 13 13-0197 EA 48" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	69.55	21.70
10 28 13 13-0198 EA 60" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	74.54	21.70
10 28 13 13-0199 EA 72" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	78.00	21.70
10 28 13 13-0200 Hand Dryers <small>(10 28 13 13-0001)</small>		
10 28 13 13-0201 EA Surface Mounted, Automatic Sensor, One Piece Plastic Cover Hand Dryer (Bobrick CompacDryer B-710)	381.59	24.16
10 28 13 13-0202 EA Surface Mounted, Automatic Sensor, Cast Aluminum Cover Hand Dryer (Bobrick B-7120-115V)	409.83	24.16
10 28 13 13-0203 EA Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-7128 230V)	452.50	24.16
10 28 13 13-0204 EA Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-750-115/230)	634.65	24.16
10 28 13 13-0205 EA Surface Mounted, Touch-Button, Cast-Iron Cover Hand Dryer (World Dryer A)	1,231.70	24.16
10 28 13 13-0206 EA Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (World Dryer A)	1,391.37	24.16
10 28 13 13-0207 EA Surface Mounted, Touch-Button, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60)	1,294.76	24.16
10 28 13 13-0208 EA Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60T)	1,346.71	24.16
10 28 13 13-0209 EA Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60TR)	1,402.12	24.16
10 28 13 13-0210 EA Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Excel Xlerator XL-GR)	1,603.23	24.16
10 28 13 13-0211 EA Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB12)	1,001.98	24.16
10 28 13 13-0212 EA Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB14)	1,661.63	24.16
10 28 13 13-0213 EA Surface Mounted, Automatic Sensor, White ABS Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9)	749.01	24.16
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0214 EA Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-M)	788.99	24.16
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0215 EA Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-BG)	811.83	24.16
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0216 EA Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-C)	834.68	24.16
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0217 EA Surface Mounted, Automatic Sensor, Stainless Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-SS)	880.36	24.16
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0218 EA Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9)	611.95	24.16
Note: Electronically adjustable sound and speed.		
10 28 13 13-0219 EA Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-M)	651.92	24.16
Note: Electronically adjustable sound and speed.		



Specialties	10
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Toilet, Bath, And Laundry Accessories	10 28

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0220	EA		Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-BG).....	674.77	24.16
			Note: Electronically adjustable sound and speed.		
10 28 13 13-0221	EA		Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-C)	697.61	24.16
			Note: Electronically adjustable sound and speed.		
10 28 13 13-0222	EA		Surface Mounted, Automatic Sensor, Stainless Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-SS)	743.30	24.16
			Note: Electronically adjustable sound and speed.		
10 28 13 13-0223	EA		Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7)	611.95	24.16
			Note: Electronically adjustable sound and speed.		
10 28 13 13-0224	EA		Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-M)	651.92	24.16
			Note: Electronically adjustable sound and speed.		
10 28 13 13-0225	EA		Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-BG)	674.77	24.16
			Note: Electronically adjustable sound and speed.		
10 28 13 13-0226	EA		Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-C)	697.61	24.16
			Note: Electronically adjustable sound and speed.		
10 28 13 13-0227	EA		Surface Mounted, Stainless Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-SS)	743.30	24.16
			Note: Electronically adjustable sound and speed.		
10 28 13 13-0228	EA		Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90)	452.04	24.16
10 28 13 13-0229	EA		Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-M)	492.02	24.16
10 28 13 13-0230	EA		Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-BG)	514.86	24.16
10 28 13 13-0231	EA		Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-C).....	537.70	24.16
10 28 13 13-0232	EA		Surface Mounted, Stainless Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-SS).....	583.39	24.16
10 28 13 13-0233	EA		Surface Mounted, Automatic Sensor, White ABS Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90H).....	452.04	24.16
10 28 13 13-0234	EA		Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-MH).....	492.02	24.16
10 28 13 13-0235	EA		Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-BGH)	514.86	24.16
10 28 13 13-0236	EA		Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-CH)	537.70	24.16
10 28 13 13-0237	EA		Surface Mounted, Automatic Sensor, Stainless Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-SSH)	583.39	24.16
10 28 13 13-0238	EA		Surface Mounted, Automatic Sensor, ABS Cover, Hand Dryer (American Dryer GX1)	337.82	24.16
10 28 13 13-0239	EA		Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Hand Dryer (American Dryer GX1-M)	377.80	24.16
10 28 13 13-0240	EA		Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Hand Dryer (American Dryer GX1-C)	423.48	24.16
10 28 13 13-0241			Hand Dryers (Excel XLERATOR®) (10 28 13 13-0001)		
			Note: With or without noise reduction nozzle options.		
10 28 13 13-0242	EA		Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-W)	627.59	24.16
			For ADA-Compliant Recess Kit, Add	162.24	
10 28 13 13-0243	EA		Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer With HEPA Filtration System (Excel XLERATOR® XL-VH)	869.77	24.16
			For ADA-Compliant Recess Kit, Add	162.24	
10 28 13 13-0244	EA		Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-GR)	730.43	24.16
			For ADA-Compliant Recess Kit, Add	162.24	
10 28 13 13-0245	EA		Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover Hand Dryer With HEPA Filtration System (Excel Xlerator XL-GRH)	904.61	24.16
			For ADA-Compliant Recess Kit, Add	162.24	
10 28 13 13-0246	EA		Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-C)	782.68	24.16
			For ADA-Compliant Recess Kit, Add	162.24	
10 28 13 13-0247	EA		Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer With HEPA Filtration System (Excel XLERATOR® XL-CH)	956.86	24.16
			For ADA-Compliant Recess Kit, Add	162.24	
10 28 13 13-0248	EA		Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer (Excel XLERATOR® XL-SB)	782.68	24.16
			For ADA-Compliant Recess Kit, Add	162.24	
10 28 13 13-0249	EA		Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer With HEPA Filtration System (Excel XLERATOR® XL-SBH)	956.86	24.16
			For ADA-Compliant Recess Kit, Add	162.24	
10 28 13 13-0250	EA		Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-SP)	730.43	24.16
			For ADA-Compliant Recess Kit, Add	162.24	
10 28 13 13-0251	EA		Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer With HEPA Filtration System (Excel XLERATOR® XL-SPH)	904.61	24.16
			For ADA-Compliant Recess Kit, Add	162.24	
10 28 13 13-0252	EA		Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer (Excel XLERATOR® XL-BW)	660.76	24.16
			For ADA-Compliant Recess Kit, Add	162.24	

10 Specialties**10 20 Interior Specialties****10 28 Toilet, Bath, And Laundry Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0253 EA Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer With HEPA Filtration System (Excel XLERATOR® XL-BWH).....	834.93	24.16
For ADA-Compliant Recess Kit, Add	162.24	
10 28 13 13-0254 EA Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-W-ECO).....	627.59	24.16
For ADA-Compliant Recess Kit, Add	162.24	
10 28 13 13-0255 EA Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With HEPA Filtration System (Excel XLERATOReco® XL-WH-ECO).....	869.77	24.16
For ADA-Compliant Recess Kit, Add	162.24	
10 28 13 13-0256 EA Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-GR-ECO).....	730.43	24.16
For ADA-Compliant Recess Kit, Add	162.24	
10 28 13 13-0257 EA Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With HEPA Filtration System (Excel XLERATOReco® XL-GRH-ECO).....	904.61	24.16
For ADA-Compliant Recess Kit, Add	162.24	
10 28 13 13-0258 EA Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-C-ECO).....	782.68	24.16
For ADA-Compliant Recess Kit, Add	162.24	
10 28 13 13-0259 EA Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With HEPA Filtration System (Excel XLERATOReco® XL-CH-ECO).....	956.86	24.16
For ADA-Compliant Recess Kit, Add	162.24	
10 28 13 13-0260 EA Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SB-ECO).....	782.68	24.16
For ADA-Compliant Recess Kit, Add	162.24	
10 28 13 13-0261 EA Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer With HEPA Filtration System (Excel XLERATOReco® XL-SBH-ECO).....	956.86	24.16
For ADA-Compliant Recess Kit, Add	162.24	
10 28 13 13-0262 EA Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SP-ECO).....	730.43	24.16
For ADA-Compliant Recess Kit, Add	162.24	
10 28 13 13-0263 EA Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With HEPA Filtration System (Excel XLERATOReco® XL-SPH-ECO).....	904.61	24.16
For ADA-Compliant Recess Kit, Add	162.24	
10 28 13 13-0264 EA Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer (Excel XLERATOReco® XL-BW-ECO).....	660.76	24.16
For ADA-Compliant Recess Kit, Add	162.24	
10 28 13 13-0265 EA Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer With HEPA Filtration System (Excel XLERATOReco® XL-BWH-ECO).....	834.93	24.16
For ADA-Compliant Recess Kit, Add	162.24	
10 28 13 13-0266 Additional Accessories (10 28 13 13-0001)		
10 28 13 13-0267 Hooks (10 28 13 13-0266)		
10 28 13 13-0268 EA Stainless Steel Clothes Hook And Bumper (Bobrick B-212).....	25.64	9.65
10 28 13 13-0269 EA Single Stainless Steel Robe Hook (Bobrick B-233).....	29.86	9.65
10 28 13 13-0270 EA Single Stainless Steel Robe Hook (Bobrick B-7671).....	26.02	9.65
10 28 13 13-0271 EA Double Stainless Steel Robe Hook (Bobrick B-7672).....	27.90	9.65
10 28 13 13-0272 EA Double Stainless Steel Robe Hook (Bobrick B-672 or B-6727).....	43.69	9.65
10 28 13 13-0273 EA Single Stainless Steel Robe Hook (Bobrick B-6717).....	39.85	9.65
10 28 13 13-0274 Clotheslines (10 28 13 13-0266)		
10 28 13 13-0275 EA Surface Mounted, Stainless Steel Retractable Clothesline (Gamco 7636).....	44.83	19.29
10 28 13 13-0276 Towel Bars (10 28 13 13-0266)		
10 28 13 13-0277 EA 18" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x18).....	55.61	21.70
10 28 13 13-0278 EA 24" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x24).....	55.75	21.70
10 28 13 13-0279 EA 18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x18).....	61.39	21.70
10 28 13 13-0280 EA 24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x24).....	61.93	21.70
10 28 13 13-0281 EA 18" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673).....	86.65	21.70
10 28 13 13-0282 EA 24" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673).....	89.92	21.70
10 28 13 13-0283 EA 18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674).....	89.15	21.70
10 28 13 13-0284 EA 24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674).....	91.84	21.70
10 28 13 13-0285 EA 18" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205).....	96.65	21.70
10 28 13 13-0286 EA 24" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205).....	99.51	21.70
10 28 13 13-0287 EA 18" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530).....	75.70	21.70
10 28 13 13-0288 EA 24" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530).....	78.19	21.70
10 28 13 13-0289 Towel Bar With Shelf (10 28 13 13-0266)		
10 28 13 13-0290 EA 24" Length, Stainless Steel Towel Shelf With Towel Bar (Bobrick B-676).....	159.68	21.70
10 28 13 13-0291 Towel Pins (10 28 13 13-0266)		
10 28 13 13-0292 EA Stainless Steel Towel Pin (Bobrick B-677).....	42.35	9.65
10 28 13 13-0293 Mirrors (10 28 13 13)		
10 28 13 13-0294 Stainless Steel Channel Frame Glass Mirrors (10 28 13 13-0293)		



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0295 EA 16" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-16x24).....	92.33	24.11
10 28 13 13-0296 EA 18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1824).....	102.88	24.11
10 28 13 13-0297 EA 18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1830).....	106.53	24.11
For Tempered Glass (B-1658), Add	30.67	
10 28 13 13-0298 EA 18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1836).....	114.02	24.11
For Tempered Glass (B-1658), Add	35.92	
10 28 13 13-0299 EA 24" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2430).....	123.63	24.11
10 28 13 13-0300 EA 24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2436).....	127.67	24.11
For Tempered Glass (B-1658), Add	45.47	
10 28 13 13-0301 EA 24" x 48", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2448).....	154.19	24.11
10 28 13 13-0302 EA 24" x 60", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2460).....	175.91	24.11
10 28 13 13-0303 EA 36" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-36x36).....	209.10	24.11
10 28 13 13-0304 EA 48" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 4836).....	259.51	24.11
10 28 13 13-0305 EA 60" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-60x36).....	290.14	24.11
10 28 13 13-0306 Stainless Steel Channel Frame Glass Mirror/Shelf Combination (10 28 13 13-0293)		
10 28 13 13-0307 EA 18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1824).....	159.18	24.11
10 28 13 13-0308 EA 18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1830).....	170.52	24.11
10 28 13 13-0309 EA 18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1836).....	178.02	24.11
10 28 13 13-0310 EA 24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 2436).....	199.16	24.11
10 28 13 13-0311 Stainless Steel Angle Frame Glass Mirrors (10 28 13 13-0293)		
10 28 13 13-0312 EA 18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1824).....	143.21	24.11
10 28 13 13-0313 EA 18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1830).....	155.73	24.11
For Tempered Glass (B-2908), Add	61.39	
10 28 13 13-0314 EA 18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1836).....	159.95	24.11
For Tempered Glass (B-2908), Add	64.18	
10 28 13 13-0315 EA 24" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2430).....	184.94	24.11
10 28 13 13-0316 EA 24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2436).....	185.90	24.11
For Tempered Glass (B-2908), Add	81.31	
10 28 13 13-0317 EA 24" x 48", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2448).....	243.75	24.11
10 28 13 13-0318 EA 24" x 60", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2460).....	284.10	24.11
10 28 13 13-0319 EA 24" x 72", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2472).....	321.78	24.11
10 28 13 13-0320 EA 36" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-36x36).....	219.19	24.11
10 28 13 13-0321 EA 48" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-48x36).....	264.10	24.11
10 28 13 13-0322 EA 72" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-72x36).....	396.94	24.11
10 28 13 13-0323 Stainless Steel Angle Frame Glass Mirror/Shelf Combination (10 28 13 13-0293)		
10 28 13 13-0324 EA 18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Gamco AS-18x24).....	147.59	24.11
10 28 13 13-0325 EA 18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1830).....	277.38	24.11
10 28 13 13-0326 EA 18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1836).....	290.07	24.11
10 28 13 13-0327 EA 24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-2436).....	321.78	24.11
10 28 13 13-0328 Frameless Stainless Steel Mirrors (10 28 13 13-0293)		
10 28 13 13-0329 EA 17-1/2" x 29-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 1830).....	158.80	24.11
10 28 13 13-0330 EA 23-1/2" x 35-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 2436).....	201.27	24.11
10 28 13 13-0331 Fixed-Position Tilt, Stainless Steel Frame Glass Mirrors (10 28 13 13-0293)		
10 28 13 13-0332 EA 16" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1630).....	210.88	24.11
10 28 13 13-0333 EA 18" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1830).....	219.15	24.11
10 28 13 13-0334 EA 18" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1836).....	262.39	24.11
10 28 13 13-0335 EA 24" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 2436).....	319.47	24.11
10 28 13 13-0336 Medicine Cabinets (10 28 13 13)		
10 28 13 13-0337 Metal Medicine Cabinets (10 28 13 13-0336)		
10 28 13 13-0338 EA 20" x 26", Surface Mounted, Aluminum Medicine Cabinet (Kohler K-CB).....	481.12	48.23
10 28 13 13-0339 EA 15-1/2" x 25-7/8", Recessed Mounted, All-Steel Medicine Cabinet (Bobrick B-397).....	193.63	48.23
Note: Includes three adjustable plastic shelves.		
10 28 13 13-0340 EA 14-1/8" x 20-1/4", Surface Mounted, All-Steel Medicine Cabinet (Bobrick B-297).....	199.10	48.23
Note: Includes two fixed shelves with baked white enamel finish.		
10 28 13 13-0341 EA 15-1/4" x 25-1/2", Recessed Mounted, Stainless Steel Medicine Cabinet (Bobrick B-398).....	407.62	48.23
Note: Includes four adjustable stainless steel shelves.		
10 28 13 13-0342 EA 17" x 26-7/8", Surface Mounted, Stainless Steel Medicine Cabinet (Bobrick B-299).....	550.80	48.23
Note: Includes four adjustable shelves.		
10 28 13 13-0343 Janitorial Material (10 28 13 13)		
10 28 13 13-0344 EA Stainless Steel Pail And Ladder Utility Hook (Bobrick B-670).....	39.85	9.65
10 28 13 13-0345 EA 24" Length, Stainless Steel Utility Hook Strip (Bobrick B-232x24).....	102.22	21.70
10 28 13 13-0346 EA 24" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x24).....	98.76	21.70

10 Specialties**10 20 Interior Specialties****10 28 Toilet, Bath, And Laundry Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0347 EA 30" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Gamco MS-1)	110.93	21.70
10 28 13 13-0348 EA 36" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x36)	122.98	21.70
10 28 13 13-0349 EA 36" Length, Utility Hook Strip (Gamco HCS-2)	85.25	21.70
10 28 13 13-0350 EA 36" Length, Stainless Steel Custodian Utility Shelf With Mop And Broom Holders And Rag Hooks (Bobrick B-224x36)	220.22	21.70
10 28 13 13-0351 EA 34" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder With Shelf And Rag Hooks (Bobrick B-239x34)	313.05	21.70
10 28 13 13-0352 Remove And Reinstall Bathroom Accessories (10 28 13 13)		
10 28 13 13-0353 EA Removal And Reinstallation Of Bathroom Accessory	30.15	
10 28 13 19 Healthcare Toilet Accessories (10 28 13)		
10 28 13 19-0001 EA Surface Mounted, Stainless Steel Bedpan/Urinal Holder (Bradley BR-9905)	144.18	30.20
10 28 13 19-0002 EA Recessed Mounted, Stainless Steel Bedpan Storage Cabinet (Bradley BR-990)	500.31	30.20
10 28 13 19-0003 EA Stainless Steel Foot Operated Soap Dispenser (Bradley BR-6843)	193.54	80.36
10 28 13 63 Detention Toilet Accessories (10 28 13)		
10 28 13 63-0001 1-1/2" Diameter, 18 Gauge, Stainless Steel Suicide Resistant Security Grab Bar (10 28 13 63)		
10 28 13 63-0002 EA 18" Length, 1-1/2" Diameter, 18 Gauge, Stainless Steel Suicide Resistant Security Grab Bar (Bradley SA70-001180)	122.83	19.29
10 28 13 63-0003 EA 24" Length, 1-1/2" Diameter, 18 Gauge, Stainless Steel Suicide Resistant Security Grab Bar (Bradley SA70-001240)	127.82	19.29
10 28 13 63-0004 EA 36" Length, 1-1/2" Diameter, 18 Gauge, Stainless Steel Suicide Resistant Security Grab Bar (Bradley SA70-001360)	131.14	19.29
10 28 13 63-0005 EA 42" Length, 1-1/2" Diameter, 18 Gauge, Stainless Steel Suicide Resistant Security Grab Bar (Bradley SA70-001420)	143.87	19.29
10 28 13 63-0006 EA 60" Length, 1-1/2" Diameter, 18 Gauge, Stainless Steel Suicide Resistant Security Grab Bar (Bradley SA70-002600)	279.32	19.29
10 28 16 Bath Accessories (10 28)		
10 28 16 13 Residential Bath Accessories (10 28 16)		
10 28 16 13-0001 Residential Toilet Accessories (10 28 16 13)		
10 28 16 13-0002 Residential, Recessed, Chrome Plated Toilet Accessories (10 28 16 13-0001)		
10 28 16 13-0003 EA Single Roll, Recessed Mounted, Chrome Plated Toilet Paper Holder	88.22	21.70
10 28 16 13-0004 EA Recessed Mounted, Chrome Plated Soap Dish	122.29	21.70
10 28 16 13-0005 EA Recessed Mounted, Chrome Plated Soap Dish And Bar	129.21	21.70
10 28 16 13-0006 EA Recessed Mounted, Chrome Plated Tumbler Holder	91.15	21.70
10 28 16 13-0007 Residential, Surface Mounted, Chrome Plated Toilet Accessories (10 28 16 13-0001)		
10 28 16 13-0008 EA Surface Mounted, Chrome Plated Soap Dish	56.61	14.48
10 28 16 13-0009 EA Surface Mounted, Chrome Plated Single Clothes Hook	64.33	14.48
10 28 16 13-0010 EA Surface Mounted, Chrome Plated Double Clothes Hook	64.33	14.48
10 28 16 13-0011 LF 6" Deep, Surface Mounted, Chrome Plated Supports, Glass Shelf	124.54	14.48
10 28 16 13-0012 LF 6" Deep, Surface Mounted, Stainless Steel Shelf	105.11	14.48
10 28 16 13-0013 EA 18" Length, Surface Mounted, Chrome Plated Towel Bar	73.19	19.29
10 28 16 13-0014 EA 24" Length, Surface Mounted, Chrome Plated Towel Bar	74.05	19.29
10 28 16 13-0015 EA Surface Mounted, Chrome Plated Towel Ring	54.70	14.48
10 28 16 13-0016 EA Surface Mounted, Chrome Plated Tumbler And Toothbrush Holder	42.15	21.70
10 28 16 13-0017 EA Single Roll, Surface Mounted, Chrome Plated Toilet Paper Holder	56.61	14.48
10 28 16 13-0018 EA Two Roll, Surface Mounted, Chrome Plated Toilet Paper Holder	108.38	14.48
10 28 16 13-0019 EA Surface Mounted, Chrome Plated Globe Soap Dispenser	67.00	14.48
10 28 16 13-0020 EA Surface Mounted, Chrome Plated Towel Pin	70.50	14.48
10 28 16 13-0021 EA Surface Mounted, Chrome Plated Towel Ladder And Shelf	188.20	14.48
10 28 16 13-0022 EA Surface Mounted, Retractable Chrome Plated Bath/Shower Clothesline	101.32	14.48
10 28 16 13-0023 EA 24" Length, Cut To Size Towel Bar, Surface Mounted, Ceramic Base Towel Bar	67.26	14.48
10 28 16 13-0024 Residential Medicine Cabinets, Solid Oak (10 28 16 13-0001)		
Note: Surface or recessed mounted, premium quality.		
10 28 16 13-0025 EA 24" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	677.47	48.23
10 28 16 13-0026 EA 24" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	816.30	48.23
10 28 16 13-0027 EA 30" x 30" Unlighted, Solid Oak Medicine Cabinet With Mirror	722.82	48.23
10 28 16 13-0028 EA 30" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	878.16	48.23
10 28 16 13-0029 EA 36" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	751.42	48.23
10 28 16 13-0030 EA 36" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	932.52	48.23
10 28 16 13-0031 EA 48" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	790.70	48.23
10 28 16 13-0032 EA 48" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	998.94	48.23
10 28 16 13-0033 Residential Toilet Accessories (10 28 16 13-0001)		
10 28 16 13-0034 EA Surface Mounted Plastic Paper Towel Dispenser	67.07	21.70



Specialties	10
Interior Specialties	10 20
Toilet, Bath, And Laundry Accessories	10 28

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 16 13-0035 EA Surface Mounted Plastic Napkin Disposal	61.85	21.70
10 28 16 13-0036 EA 50 Fluid Ounce, Plastic Soap Dispenser For Soaps And Detergent	63.69	
10 28 16 13-0037 EA 50 Fluid Ounce, Plastic Soap Dispenser For Antibacterial Soaps	69.22	21.70
10 28 16 13-0038 EA Multi Roll (2) Plastic Toilet Tissue Dispenser	67.08	21.70
10 28 16 13-0039 EA Single Jumbo Roll Plastic Toilet Tissue Dispenser	82.13	26.53
10 28 16 13-0040 EA Surface Mounted Plastic Toilet Seat Cover Dispenser	50.28	19.29
10 28 16 13-0041 EA 13 Gallon Plastic Waste Door For Countertops	143.02	36.18
10 28 19 Tub and Shower Enclosures (10 28)		
10 28 19 16 Shower Doors (10 28 19)		
10 28 19 16-0001 Swinging Shower Doors (10 28 19 16)		
10 28 19 16-0002 Framed, Swinging Shower Doors (10 28 19 16-0001)		
10 28 19 16-0003 EA 24-1/4" To 26" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00801)	376.59	47.77
10 28 19 16-0004 EA 27-1/4" To 29" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00802)	394.99	23.89
10 28 19 16-0005 EA 29-5/8" To 31-3/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00803)	471.36	23.89
10 28 19 16-0006 EA 33-1/8" To 34-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00804)	393.04	23.89
10 28 19 16-0007 EA 35-1/8" To 36-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00805)	419.12	23.89
10 28 19 16-0008 Frameless, Swinging Shower Doors (10 28 19 16-0001)		
10 28 19 16-0009 EA 24-9/16" To 25-7/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0301D)	573.01	23.89
10 28 19 16-0010 EA 31-1/16" To 31-15/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0302D)	598.53	23.89
10 28 19 16-0011 EA 32-11/16" To 33-9/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0303D)	622.56	23.89
10 28 19 16-0012 EA 34-3/16" To 35-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0304D)	648.08	23.89
10 28 19 16-0013 EA 35-3/16" To 36-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0305D)	672.85	23.89
10 28 19 16-0014 Sliding Shower Doors (10 28 19 16)		
10 28 19 16-0015 Framed, Sliding Shower Doors (10 28 19 16-0014)		
10 28 19 16-0016 EA 40" To 42" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00735)	627.35	23.89
10 28 19 16-0017 EA 44" To 46" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00745)	575.70	23.89
10 28 19 16-0018 EA 46" To 48" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00775)	589.61	23.89
10 28 19 16-0019 EA 52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00729)	604.41	23.89
10 28 19 16-0020 EA 54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00794)	612.67	23.89
10 28 19 16-0021 EA 56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00795)	624.88	23.89
10 28 19 16-0022 Frameless, Sliding Shower Doors (10 28 19 16-0014)		
10 28 19 16-0023 EA 40" To 44" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00335)	649.97	23.89
10 28 19 16-0024 EA 44" To 48" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00345)	790.49	23.89
10 28 19 16-0025 EA 56" To 60" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00394)	837.78	23.89
10 28 19 16-0026 EA 40" To 44" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00330)	757.55	23.89
10 28 19 16-0027 EA 44" To 48" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00370)	767.91	23.89
10 28 19 16-0028 EA 56" To 60" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00390)	864.15	23.89
10 28 19 19 Tub Doors (10 28 19)		
10 28 19 19-0001 Sliding Bathtub Doors (10 28 19 19)		
10 28 19 19-0002 Framed, Sliding Bathtub Doors (10 28 19 19-0001)		
10 28 19 19-0003 EA 52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00725)	560.17	23.89
10 28 19 19-0004 EA 54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00749)	566.12	23.89
10 28 19 19-0005 EA 56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00750)	579.58	23.89

10	10 Specialties
	10 20 Interior Specialties
	10 28 Toilet, Bath, And Laundry Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 40 Safety Specialties ⁽¹⁰⁾

10 41 Emergency Access And Information Cabinets ^(10 40)

10 41 13 Fire Department Plan Cabinets ^(10 41)

10 41 13 00-0001 Fire Department Plan Cabinets (Knox) ^(10 41 13)

10 41 13 00-0002	EA	18" High x 14-1/2" Wide x 5" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300).....	964.28		31.35
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00		
		<i>For Dual Locks, Add</i>	60.00		
		<i>For Back Key Hook Panel, Add</i>	58.60		
		<i>For Swing Key Hook Panel, Add</i>	157.60		
		<i>For Non-Locking Weather Housing, Add</i>	395.80		
10 41 13 00-0003	EA	18" High x 14-1/2" Wide x 7" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300).....	1,021.18		31.35
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00		
		<i>For Dual Locks, Add</i>	60.00		
		<i>For Back Key Hook Panel, Add</i>	58.60		
		<i>For Swing Key Hook Panel, Add</i>	157.60		
		<i>For Second Swing Key Hook Panel, Add</i>	124.60		
		<i>For Non-Locking Weather Housing, Add</i>	395.80		

10 41 16 Emergency Key Cabinets ^(10 41)

10 41 16 00-0001 Emergency Key Cabinets (Knox) ^(10 41 16)

10 41 16 00-0002	EA	Elevator/Lobby, Deep Red Finish, Surface Mount, Fire Department Emergency Key Storage Box (Knox 1403).....	492.00		31.35
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00		
10 41 16 00-0003	EA	5" High x 4" Wide x 3-3/4" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Box 3200).....	435.10		31.35
		<i>For Lift-Off Door, Deduct</i>	-40.00		
		<i>For Aluminum Or Dark Bronze Finish, Add</i>	10.00		
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00		
		<i>For Recess Mount, Add</i>	58.00		
		<i>For Cast-In-Place Concrete Recess Mounting, Add</i>	119.00		
10 41 16 00-0004	EA	6" High x 6" Wide x 4-1/2" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4100).....	574.51		31.35
		<i>For Aluminum Or Dark Bronze Finish, Add</i>	10.00		
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00		
		<i>For Recess Mount, Add</i>	58.00		
		<i>For Dual Locks, Add</i>	60.00		
		<i>For Cast-In-Place Concrete Recess Mounting, Add</i>	130.00		
10 41 16 00-0005	EA	7" High x 7" Wide x 5" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4400).....	610.07		31.35
		<i>For Aluminum Or Dark Bronze Finish, Add</i>	10.00		
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00		
		<i>For Recess Mount, Add</i>	58.00		
		<i>For Dual Locks, Add</i>	60.00		
		<i>For Cast-In-Place Concrete Recess Mounting, Add</i>	135.00		

10 44 Fire Protection Specialties ^(10 40)

10 44 13 Fire Protection Cabinets ^(10 44)

10 44 13 00-0001 Fire Extinguisher Cabinets ^(10 44 13)

10 44 13 00-0002 Recessed Fire Extinguisher Cabinets ^(10 44 13 00-0001)

10 44 13 00-0003 Steel Door And Trim, Recessed Fire Extinguisher Cabinets ^(10 44 13 00-0002)

Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0004	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	302.81		39.55
10 44 13 00-0005	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	307.58		39.55
10 44 13 00-0006	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	308.54		39.55
10 44 13 00-0007	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	338.10		39.55
10 44 13 00-0008	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	415.36		39.55
10 44 13 00-0009	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	425.85		39.55

10 44 13 00-0010 Aluminum Door And Trim, Recessed Fire Extinguisher Cabinets ^(10 44 13 00-0002)

Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0011	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	321.97		39.55
10 44 13 00-0012	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	327.11		39.55
10 44 13 00-0013	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	335.68		39.55
10 44 13 00-0014	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	350.24		39.55
10 44 13 00-0015	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	395.28		39.55
10 44 13 00-0016	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	408.99		39.55

10 44 13 00-0017 Stainless Steel Door And Trim, Recessed Fire Extinguisher Cabinets ^(10 44 13 00-0002)

Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.



Specialties	10	10
Safety Specialties	10 40	
Fire Protection Specialties	10 44	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0018 EA 9" x 18" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	412.39	39.55
10 44 13 00-0019 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	422.04	39.55
10 44 13 00-0020 EA 10-1/2" x 24" x 6" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	426.86	39.55
10 44 13 00-0021 EA 12" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	459.84	39.55
10 44 13 00-0022 EA 16" x 32" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	526.21	39.55
10 44 13 00-0023 EA 20" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	546.31	39.55
10 44 13 00-0024 Bronze Door And Trim, Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0002)</small>		
<i>Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.</i>		
10 44 13 00-0025 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	951.56	39.55
10 44 13 00-0026 EA 10-1/2" x 24" x 6" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	958.16	39.55
10 44 13 00-0027 EA 12" x 27" x 7-3/4" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	1,092.73	39.55
10 44 13 00-0028 Acrylic Bubble Door And Steel Trim, Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0002)</small>		
<i>Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.</i>		
10 44 13 00-0029 EA 10-1/2" x 24" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	364.81	39.55
10 44 13 00-0030 EA 14" x 30" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	401.06	39.55
10 44 13 00-0031 Semi Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0001)</small>		
10 44 13 00-0032 Steel Door And Trim, Semi Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0031)</small>		
<i>Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.</i>		
10 44 13 00-0033 EA 9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	328.57	39.55
10 44 13 00-0034 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	338.10	39.55
10 44 13 00-0035 EA 10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	339.06	39.55
10 44 13 00-0036 EA 12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	371.49	39.55
10 44 13 00-0037 EA 16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	436.35	39.55
10 44 13 00-0038 EA 20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	446.84	39.55
10 44 13 00-0039 Aluminum Door And Trim, Semi Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0031)</small>		
<i>Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.</i>		
10 44 13 00-0040 EA 9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	360.15	39.55
10 44 13 00-0041 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	373.00	39.55
10 44 13 00-0042 EA 10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	380.71	39.55
10 44 13 00-0043 EA 12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	395.28	39.55
10 44 13 00-0044 EA 16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	445.83	39.55
10 44 13 00-0045 EA 20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	457.83	39.55
10 44 13 00-0046 Stainless Steel Door And Trim, Semi Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0031)</small>		
<i>Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.</i>		
10 44 13 00-0047 EA 9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	454.63	39.55
10 44 13 00-0048 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	465.89	39.55
10 44 13 00-0049 EA 10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	470.72	39.55
10 44 13 00-0050 EA 12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	495.65	39.55
10 44 13 00-0051 EA 16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	557.57	39.55
10 44 13 00-0052 EA 20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	571.24	39.55
10 44 13 00-0053 Bronze Door And Trim, Semi Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0031)</small>		
<i>Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.</i>		
10 44 13 00-0054 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet	1,186.46	39.55
10 44 13 00-0055 EA 10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet.....	1,192.00	39.55
10 44 13 00-0056 EA 12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet.....	1,359.15	39.55
10 44 13 00-0057 Acrylic Bubble Door And Steel Trim, Semi Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0031)</small>		
<i>Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.</i>		
10 44 13 00-0058 EA 10-1/2" x 24" x 4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	399.15	39.55
10 44 13 00-0059 EA 14" x 30" x 4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	433.49	39.55
10 44 13 00-0060 Surface Mounted Fire Extinguisher Cabinets <small>(10 44 13 00-0001)</small>		
10 44 13 00-0061 Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets <small>(10 44 13 00-0060)</small>		
<i>Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.</i>		
10 44 13 00-0062 EA 12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	320.94	39.55
10 44 13 00-0063 EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	326.66	39.55
10 44 13 00-0064 EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	372.44	39.55
10 44 13 00-0065 EA 19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	428.72	39.55
10 44 13 00-0066 EA 23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	443.98	39.55



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0067			Aluminum Door And Trim, Surface Mount Fire Extinguisher Cabinets <small>(10 44 13 00-0060)</small>		
			Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0068	EA		12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	441.55	39.55
10 44 13 00-0069	EA		13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	452.69	39.55
10 44 13 00-0070	EA		15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	477.54	39.55
10 44 13 00-0071	EA		19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	526.38	39.55
10 44 13 00-0072	EA		23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	546.94	39.55
10 44 13 00-0073			Stainless Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets <small>(10 44 13 00-0060)</small>		
			Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0074	EA		12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	524.60	39.55
10 44 13 00-0075	EA		13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	539.88	39.55
10 44 13 00-0076	EA		15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	577.68	39.55
10 44 13 00-0077	EA		19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	650.86	39.55
10 44 13 00-0078	EA		23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	673.38	39.55
10 44 13 00-0079			Bronze Door And Trim, Surface Mount Fire Extinguisher Cabinets <small>(10 44 13 00-0060)</small>		
			Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0080	EA		13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet.....	1,353.93	39.55
10 44 13 00-0081	EA		15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet.....	1,519.80	39.55
10 44 13 00-0082			Acrylic Bubble Door And Steel Trim, Surface Mount Fire Extinguisher Cabinets <small>(10 44 13 00-0060)</small>		
			Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0083	EA		13-11/16" x 27-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	378.16	39.55
10 44 13 00-0084	EA		17-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	420.13	39.55
10 44 13 00-0085	EA		31-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	567.02	39.55
10 44 13 00-0086			Fire Extinguisher Cabinet Accessories <small>(10 44 13 00-0001)</small>		
10 44 13 00-0087	EA		Standard Break Glass Cylinder Lock Mechanism.....	31.43	12.06
10 44 13 00-0088	EA		Breaker Bar And Chain For Break Glass Cabinets.....	28.87	12.06
10 44 13 00-0089	EA		Replacement Standard Pull Handle.....	27.31	12.06
10 44 13 00-0090	EA		Fire Extinguisher Cabinet Battery Operated Alarm.....	81.18	24.11
10 44 13 00-0091	EA		Fire Rated Option For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets.....	127.32	
10 44 13 00-0092	EA		Fire Rated Option For 12" x 27" x 7-3/4" Cabinets.....	140.05	
10 44 13 00-0093	EA		Fire Rated Option For 16" x 32" x 7-3/4" Cabinets.....	190.98	
10 44 13 00-0094	EA		Fire Rated Option For 20" x 27" x 7-3/4" Cabinets.....	261.01	
10 44 13 00-0095	EA		Fire Rated Option For 9" x 18" x 5-1/2" Cabinets.....	305.57	
10 44 13 00-0096	EA		Replace Standard Glass With Wire Glass For 9" x 18" x 5-1/2" Cabinets.....	73.85	
10 44 13 00-0097	EA		Replace Standard Glass With Wire Glass For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets.....	76.39	
10 44 13 00-0098	EA		Replace Standard Glass With Wire Glass For 12" x 27" x 7-3/4" Cabinets.....	101.86	
10 44 13 00-0099	EA		Replace Standard Glass With Wire Glass For 16" x 32" x 7-3/4" Cabinets.....	184.61	
10 44 13 00-0100	EA		Replace Standard Glass With Wire Glass For 20" x 27" x 7-3/4" Cabinets.....	187.16	
10 44 13 00-0101	EA		Replace Standard Glass With Wire Glass For 12-3/16" x 21-3/16" x 6" Cabinets.....	80.04	
10 44 13 00-0102	EA		Replace Standard Glass With Wire Glass For 13-11/16" x 27-3/16" x 6-1/2" Cabinets.....	84.04	
10 44 13 00-0103	EA		Replace Standard Glass With Wire Glass For 15-3/16" x 30-3/16" x 8-1/4" Cabinets.....	113.39	
10 44 13 00-0104	EA		Replace Standard Glass With Wire Glass For 19-3/16" x 35-3/16" x 8-1/4" Cabinets.....	200.10	
10 44 13 00-0105	EA		Replace Standard Glass With Wire Glass For 23-3/16" x 30-3/16" x 8-1/4" Cabinets.....	202.77	
10 44 13 00-0106			Fire Hose Cabinets <small>(10 44 13)</small>		
			Note: Excludes hoses, hose rack units, fire extinguishers and valves. See CSI section 21 12 13 00-0001 for fire hoses and nozzles, 21 12 13 00-0015 for fire hose rack units, 21 12 23 00-0001 for fire department valves, 21 12 23 00-0014 for fire hose angle valves.		
10 44 13 00-0107			Recessed Fire Hose Cabinets <small>(10 44 13 00-0106)</small>		
10 44 13 00-0108			Steel Door And Trim, Recessed Fire Hose Cabinets <small>(10 44 13 00-0107)</small>		
			Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0109	EA		34" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	524.93	112.28
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0110	EA		34" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	535.06	112.28
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0111	EA		38" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	543.50	112.28
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0112	EA		38" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	551.95	112.28
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0113	EA		30" x 30" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	562.07	112.28
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0114	EA		38" x 32" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	589.06	112.28
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0115	EA		23" x 18" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	597.51	112.28
			<i>For Solid Steel Door, Deduct</i>	-8.60	



Specialties	10	10
Safety Specialties	10 40	
Fire Protection Specialties	10 44	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0116 Aluminum Door And Trim, Recessed Fire Hose Cabinets <small>(10 44 13 00-0107)</small>		
Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0117 EA 34" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	577.43	112.28
For Solid Aluminum Door, Add		
10 44 13 00-0118 EA 30" x 30" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	594.02	112.28
For Solid Aluminum Door, Add		
10 44 13 00-0119 EA 34" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	596.17	112.28
For Solid Aluminum Door, Add		
10 44 13 00-0120 EA 38" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	603.07	112.28
For Solid Aluminum Door, Add		
10 44 13 00-0121 EA 38" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	612.12	112.28
For Solid Aluminum Door, Add		
10 44 13 00-0122 EA 38" x 32" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	637.75	112.28
For Solid Aluminum Door, Add		
10 44 13 00-0123 EA 23" x 18" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	663.39	112.28
For Solid Aluminum Door, Add		
10 44 13 00-0124 Stainless Steel Door And Trim, Recessed Fire Hose Cabinets <small>(10 44 13 00-0107)</small>		
Note: Includes #4 finish, stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0125 EA 23" x 18" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	726.72	112.28
For Solid Stainless Steel Door, Deduct		
10 44 13 00-0126 EA 34" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	805.14	112.28
For Solid Stainless Steel Door, Deduct		
10 44 13 00-0127 EA 34" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	812.68	112.28
For Solid Stainless Steel Door, Deduct		
10 44 13 00-0128 EA 38" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	836.81	112.28
For Solid Stainless Steel Door, Deduct		
10 44 13 00-0129 EA 38" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	844.35	112.28
For Solid Stainless Steel Door, Deduct		
10 44 13 00-0130 EA 30" x 30" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	883.56	112.28
For Solid Stainless Steel Door, Deduct		
10 44 13 00-0131 EA 38" x 32" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	922.76	112.28
For Solid Stainless Steel Door, Deduct		
10 44 13 00-0132 Semi Recessed Fire Hose Cabinets <small>(10 44 13 00-0106)</small>		
10 44 13 00-0133 Steel Door And Trim, Semi Recessed Fire Hose Cabinets <small>(10 44 13 00-0132)</small>		
Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0134 EA 34" x 24" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet.....	551.95	112.28
For Solid Steel Door, Deduct		
10 44 13 00-0135 EA 34" x 26" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet.....	562.07	112.28
For Solid Steel Door, Deduct		
10 44 13 00-0136 EA 38" x 24" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet.....	570.50	112.28
For Solid Steel Door, Deduct		
10 44 13 00-0137 EA 38" x 26" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet.....	580.62	112.28
For Solid Steel Door, Deduct		
10 44 13 00-0138 EA 30" x 30" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet.....	589.06	112.28
For Solid Steel Door, Deduct		
10 44 13 00-0139 EA 38" x 32" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet.....	616.06	112.28
For Solid Steel Door, Deduct		
10 44 13 00-0140 EA 23" x 18" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet.....	626.18	112.28
For Solid Steel Door, Deduct		
10 44 13 00-0141 Aluminum Door And Trim, Semi Recessed Fire Hose Cabinets <small>(10 44 13 00-0132)</small>		
Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0142 EA 34" x 24" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet.....	594.02	112.28
For Solid Aluminum Door, Add		
10 44 13 00-0143 EA 34" x 26" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet.....	612.12	112.28
For Solid Aluminum Door, Add		
10 44 13 00-0144 EA 30" x 30" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet.....	614.70	112.28
For Solid Aluminum Door, Add		
10 44 13 00-0145 EA 38" x 24" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet.....	619.66	112.28
For Solid Aluminum Door, Add		
10 44 13 00-0146 EA 38" x 26" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet.....	628.70	112.28
For Solid Aluminum Door, Add		
10 44 13 00-0147 EA 38" x 32" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet.....	654.34	112.28
For Solid Aluminum Door, Add		
10 44 13 00-0148 EA 23" x 18" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet.....	679.98	112.28
For Solid Aluminum Door, Add		
10 44 13 00-0149 Stainless Steel Door And Trim, Semi Recessed Fire Hose Cabinets <small>(10 44 13 00-0132)</small>		
Note: Includes #4 finish, 304 stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		

10 Specialties**10 40 Safety Specialties****10 44 Fire Protection Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0150	EA		23" x 18" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	773.47	112.28
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0151	EA		34" x 24" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	859.43	112.28
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0152	EA		34" x 26" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	866.97	112.28
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0153	EA		38" x 24" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	891.10	112.28
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0154	EA		38" x 26" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	898.64	112.28
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0155	EA		30" x 30" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	937.84	112.28
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0156	EA		38" x 32" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	977.05	112.28
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0157			Surface Mount Fire Hose Cabinets (10 44 13 00-0106)		
10 44 13 00-0158			Steel Door And Trim, Surface Mount Fire Hose Cabinets (10 44 13 00-0157)		
			Note: Includes baked enamel finish, steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0159	EA		37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	562.07	112.28
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0160	EA		37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	570.50	112.28
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0161	EA		41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	580.62	112.28
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0162	EA		41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	589.06	112.28
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0163	EA		33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	597.51	112.28
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0164	EA		41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	626.18	112.28
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0165	EA		26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	634.63	112.28
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0166			Aluminum Door And Trim, Surface Mount Fire Hose Cabinets (10 44 13 00-0157)		
			Note: Includes clear satin anodized finish, aluminum door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0167	EA		37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	637.75	112.28
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0168	EA		33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	654.34	112.28
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0169	EA		37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	658.65	112.28
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0170	EA		41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	663.39	112.28
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0171	EA		41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	670.93	112.28
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0172	EA		41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	698.07	112.28
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0173	EA		26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	714.66	112.28
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0174			Stainless Steel Door And Trim, Surface Mount Fire Hose Cabinets (10 44 13 00-0157)		
			Note: Includes #4 finish, 304 stainless steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0175	EA		26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	836.81	112.28
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0176	EA		37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	1,087.14	112.28
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0177	EA		41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	1,150.47	112.28
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0178	EA		37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	1,165.55	112.28
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0179	EA		41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	1,180.63	112.28
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0180	EA		33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	1,243.97	112.28
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0181	EA		41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	1,322.38	112.28
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 16 Fire Extinguishers (10 44)					
10 44 16 13 Portable Fire Extinguishers (10 44 16)					
			Note: Includes filling, certification, bracket, hardware and mounting on wall.		
10 44 16 13-0001 Carbon Dioxide Type, Class BC Portable Fire Extinguisher (10 44 16 13)					
10 44 16 13-0002	EA		2.5 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	201.82	12.54
			<i>For >5 To 10, Deduct</i>	-6.88	
			<i>For >10, Deduct</i>	-13.75	
			<i>For Placement In Cabinet, Deduct</i>	-32.16	



Specialties	10
Safety Specialties	10 40
Fire Protection Specialties	10 44

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 16 13-0003	EA		5 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	301.46	14.48
			<i>For >5 To 10, Deduct</i>	-11.36	
			<i>For >10, Deduct</i>	-22.73	
			<i>For Placement In Cabinet, Deduct</i>	-37.10	
10 44 16 13-0004	EA		10 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	392.16	18.33
			<i>For >5 To 10, Deduct</i>	-14.78	
			<i>For >10, Deduct</i>	-29.57	
			<i>For Placement In Cabinet, Deduct</i>	-48.24	
10 44 16 13-0005	EA		15 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	482.23	23.15
			<i>For >5 To 10, Deduct</i>	-18.08	
			<i>For >10, Deduct</i>	-36.16	
			<i>For Placement In Cabinet, Deduct</i>	-60.30	
10 44 16 13-0006	EA		20 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	534.81	23.15
			<i>For >5 To 10, Deduct</i>	-20.71	
			<i>For >10, Deduct</i>	-41.42	
			<i>For Placement In Cabinet, Deduct</i>	-60.30	
10 44 16 13-0007	EA		50 LB Carbon Dioxide, Type BC Wheeled Fire Extinguisher.....	1,804.40	36.66
			<i>For >5 To 10, Deduct</i>	-80.57	
			<i>For >10, Deduct</i>	-161.15	
10 44 16 13-0008	EA		100 LB Carbon Dioxide, Type BC Wheeled Fire Extinguisher.....	3,501.97	36.66
			<i>For >5 To 10, Deduct</i>	-165.45	
			<i>For >10, Deduct</i>	-330.90	
10 44 16 13-0009			Dry Chemical Type, Class ABC Portable Fire Extinguisher (10 44 16 13)		
10 44 16 13-0010	EA		2.6 LB Dry Chemical, Type ABC Portable Fire Extinguisher.....	115.93	12.54
			<i>For >5 To 10, Deduct</i>	-2.58	
			<i>For >10, Deduct</i>	-5.16	
			<i>For Placement In Cabinet, Deduct</i>	-32.16	
10 44 16 13-0011	EA		5 LB Dry Chemical, Type ABC Portable Fire Extinguisher.....	148.56	14.48
			<i>For >5 To 10, Deduct</i>	-3.72	
			<i>For >10, Deduct</i>	-7.44	
			<i>For Placement In Cabinet, Deduct</i>	-37.10	
10 44 16 13-0012	EA		10 LB Dry Chemical, Type ABC Portable Fire Extinguisher.....	213.03	18.33
			<i>For >5 To 10, Deduct</i>	-5.83	
			<i>For >10, Deduct</i>	-11.66	
			<i>For Placement In Cabinet, Deduct</i>	-48.24	
10 44 16 13-0013	EA		20 LB Dry Chemical, Type ABC Portable Fire Extinguisher.....	304.03	23.15
			<i>For >5 To 10, Deduct</i>	-9.17	
			<i>For >10, Deduct</i>	-18.34	
			<i>For Placement In Cabinet, Deduct</i>	-60.30	
10 44 16 13-0014	EA		50 LB Dry Chemical, Type ABC Wheeled Fire Extinguisher.....	2,118.58	36.66
			<i>For >5 To 10, Deduct</i>	-96.28	
			<i>For >10, Deduct</i>	-192.56	
10 44 16 13-0015	EA		125 LB Dry Chemical, Type ABC Wheeled Fire Extinguisher.....	3,214.50	36.66
			<i>For >5 To 10, Deduct</i>	-151.08	
			<i>For >10, Deduct</i>	-302.16	
10 44 16 13-0016			Other Portable Fire Extinguishers (10 44 16 13)		
10 44 16 13-0017	EA		2.5 Gallon Water, Stored Pressure Portable Fire Extinguisher.....	226.72	14.48
			Note: Stainless steel.		
			<i>For >5 To 10, Deduct</i>	-7.63	
			<i>For >10, Deduct</i>	-15.25	
			<i>For Placement In Cabinet, Deduct</i>	-37.10	
10 44 16 13-0018	EA		1.6 Gallon Wet Chemical, Class K Portable Fire Extinguisher.....	340.71	23.15
			Note: Stainless steel.		
			<i>For >5 To 10, Deduct</i>	-11.01	
			<i>For >10, Deduct</i>	-22.01	
			<i>For Placement In Cabinet, Deduct</i>	-60.30	
10 44 16 13-0019	EA		2.5 Gallon Wet Chemical, Class K Portable Fire Extinguisher.....	357.62	23.15
			Note: Stainless steel.		
			<i>For >5 To 10, Deduct</i>	-11.85	
			<i>For >10, Deduct</i>	-23.70	
			<i>For Placement In Cabinet, Deduct</i>	-60.30	
10 44 16 13-0020	EA		30 LB Dry Powder, Class D Portable Fire Extinguisher.....	530.33	23.15
			Note: Yellow steel.		
			<i>For >5 To 10, Deduct</i>	-20.49	
			<i>For >10, Deduct</i>	-40.97	
10 44 16 13-0021			Fire Extinguisher Backboards (10 44 16 13)		
10 44 16 13-0022			Fire Extinguisher Backboards (10 44 16 13-0021)		
			Note: Mounted to any wall. Includes anchors.		
10 44 16 13-0023	EA		Red Painted 1/2" x 12" x 40" Beveled Edge Plywood Fire Extinguisher Backboard.....	101.05	16.52
10 44 16 13-0024	EA		Relocate Fire Extinguisher Wood Backboard, Any Size.....	145.75	
			Note: Includes storage and cleaning.		
10 44 16 13-0025			Inspections And Testing (10 44 16 13)		
10 44 16 13-0026	EA		On Site Fire Extinguisher Annual Inspection (Tag).....	10.67	
10 44 16 13-0027	EA		On Site Fire Extinguisher Hydrotest.....	15.70	

10 Specialties
10 40 Safety Specialties
10 44 Fire Protection Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 44 19 Fire Blankets (10 44)

10 44 19 00-0001	EA		Vertical Roller Type Fire Blanket Cabinet (JL Industries 1FB).....	364.08	39.55
			Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.		
10 44 19 00-0002	EA		Drop Type Fire Blanket Cabinet (JL Industries 2FB).....	273.46	39.55
			Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.		

10 50 Storage Specialties (10)

10 51 Lockers (10 50)

10 51 13 Metal Lockers (10 51)

10 51 13 00-0001 Institutional And Corridor Lockers (10 51 13)

Note: Price per frame. Includes baked enamel 24 gauge solid body components and 6" legs. Excludes slope top, base fillers, and locks.

10 51 13 00-0002 Single Tier Institutional Or Corridor Locker (10 51 13 00-0001)

Note: Includes one hat shelf, three single hooks and one double hook.

10 51 13 00-0003	EA		12" x 12" x 60" Single Tier Institutional Or Corridor Locker.....	196.29	29.91
			For >25 To 50, Deduct	-6.82	
			For >50 To 100, Deduct	-14.55	
			For >100, Deduct	-22.27	
			For 14 Gauge Doors, Add	10.92	
10 51 13 00-0004	EA		12" x 15" x 60" Single Tier Institutional Or Corridor Locker.....	203.52	29.91
			For >25 To 50, Deduct	-7.19	
			For >50 To 100, Deduct	-15.27	
			For >100, Deduct	-23.35	
			For 14 Gauge Doors, Add	11.50	
10 51 13 00-0005	EA		12" x 18" x 60" Single Tier Institutional Or Corridor Locker.....	213.40	29.91
			For >25 To 50, Deduct	-7.68	
			For >50 To 100, Deduct	-16.26	
			For >100, Deduct	-24.83	
			For 14 Gauge Doors, Add	12.29	
10 51 13 00-0006	EA		12" x 12" x 72" Single Tier Institutional Or Corridor Locker.....	213.22	30.87
			For >25 To 50, Deduct	-7.57	
			For >50 To 100, Deduct	-16.07	
			For >100, Deduct	-24.57	
			For 14 Gauge Doors, Add	12.12	
10 51 13 00-0007	EA		12" x 15" x 72" Single Tier Institutional Or Corridor Locker.....	219.22	30.87
			For >25 To 50, Deduct	-7.87	
			For >50 To 100, Deduct	-16.67	
			For >100, Deduct	-25.47	
			For 14 Gauge Doors, Add	12.60	
10 51 13 00-0008	EA		12" x 18" x 72" Single Tier Institutional Or Corridor Locker.....	225.06	30.87
			For >25 To 50, Deduct	-8.17	
			For >50 To 100, Deduct	-17.26	
			For >100, Deduct	-26.35	
			For 14 Gauge Doors, Add	13.07	
10 51 13 00-0009	EA		15" x 15" x 72" Single Tier Institutional Or Corridor Locker.....	235.15	30.87
			For >25 To 50, Deduct	-8.67	
			For >50 To 100, Deduct	-18.27	
			For >100, Deduct	-27.86	
			For 14 Gauge Doors, Add	13.87	
10 51 13 00-0010	EA		15" x 18" x 72" Single Tier Institutional Or Corridor Locker.....	245.14	30.87
			For >25 To 50, Deduct	-9.17	
			For >50 To 100, Deduct	-19.27	
			For >100, Deduct	-29.36	
			For 14 Gauge Doors, Add	14.67	
10 51 13 00-0011	EA		18" x 18" x 72" Single Tier Institutional Or Corridor Locker.....	255.71	30.87
			For >25 To 50, Deduct	-9.70	
			For >50 To 100, Deduct	-20.32	
			For >100, Deduct	-30.95	
			For 14 Gauge Doors, Add	15.52	
10 51 13 00-0012	EA		18" x 21" x 72" Single Tier Institutional Or Corridor Locker.....	265.47	30.87
			For >25 To 50, Deduct	-10.19	
			For >50 To 100, Deduct	-21.30	
			For >100, Deduct	-32.41	
			For 14 Gauge Doors, Add	16.30	
10 51 13 00-0013	EA		24" x 24" x 72" Single Tier Institutional Or Corridor Locker.....	354.70	30.87
			For >25 To 50, Deduct	-14.65	
			For >50 To 100, Deduct	-30.22	
			For >100, Deduct	-45.80	
			For 14 Gauge Doors, Add	23.44	

10 51 13 00-0014 Two Tier Institutional Or Corridor Locker (10 51 13 00-0001)

Note: Includes three single hooks and one double hook per tier.

10 51 13 00-0015	EA		12" x 12" x 60" Two Tier Institutional Or Corridor Locker.....	230.10	30.87
			For >25 To 50, Deduct	-8.42	
			For >50 To 100, Deduct	-17.76	
			For >100, Deduct	-27.11	
			For 14 Gauge Doors, Add	18.52	



Specialties	10	10
Storage Specialties	10 50	
Lockers	10 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51	13 00-0016	EA	12" x 15" x 60" Two Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	234.65 -8.65 -18.22 -27.79 19.02	30.87
10 51	13 00-0017	EA	12" x 18" x 60" Two Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	239.25 -8.88 -18.68 -28.48 19.53	30.87
10 51	13 00-0018	EA	12" x 12" x 72" Two Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	240.39 -8.84 -18.63 -28.42 19.44	31.83
10 51	13 00-0019	EA	12" x 15" x 72" Two Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	250.35 -9.33 -19.62 -29.91 20.53	31.83
10 51	13 00-0020	EA	12" x 18" x 72" Two Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	256.36 -9.63 -20.22 -30.81 21.20	31.83
10 51	13 00-0021	EA	15" x 15" x 72" Two Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	264.98 -10.07 -21.09 -32.11 22.14	31.83
10 51	13 00-0022	EA	15" x 18" x 72" Two Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	273.64 -10.50 -21.95 -33.41 23.10	31.83
10 51	13 00-0023	EA	18" x 18" x 72" Two Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	312.80 -12.46 -25.87 -39.28 27.40	31.83
10 51	13 00-0024	EA	18" x 21" x 72" Two Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	319.91 -12.81 -26.58 -40.35 28.19	31.83
10 51	13 00-0025		Three Tier Institutional Or Corridor Locker <small>(10 51 13 00-0001)</small> Note: Includes one double hook per tier.		
10 51	13 00-0026	EA	12" x 12" x 72" Three Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	268.76 -10.16 -21.30 -32.44 30.47	32.80
10 51	13 00-0027	EA	12" x 15" x 72" Three Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	273.44 -10.39 -21.77 -33.14 31.18	32.80
10 51	13 00-0028	EA	12" x 18" x 72" Three Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	290.07 -11.22 -23.43 -35.64 33.67	32.80
10 51	13 00-0029	EA	15" x 15" x 72" Three Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	305.99 -12.02 -25.02 -38.03 36.06	32.80
10 51	13 00-0030	EA	15" x 18" x 72" Three Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	318.66 -12.65 -26.29 -39.93 37.96	32.80
10 51	13 00-0031		Four Tier Institutional Or Corridor Locker <small>(10 51 13 00-0001)</small>		
10 51	13 00-0032	EA	12" x 12" x 72" Four Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	264.44 -9.85 -20.70 -31.56	33.77
10 51	13 00-0033	EA	12" x 15" x 72" Four Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	272.60 -10.25 -21.52 -32.79	33.77

10	Specialties
10 50	Storage Specialties
10 51	Lockers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51	13 00-0034	EA	12" x 18" x 72" Four Tier Institutional Or Corridor Locker	285.74	33.77
			For >25 To 50, Deduct	-10.91	
			For >50 To 100, Deduct	-22.83	
			For >100, Deduct	-34.76	
10 51	13 00-0035	EA	15" x 15" x 72" Four Tier Institutional Or Corridor Locker	296.24	33.77
			For >25 To 50, Deduct	-11.44	
			For >50 To 100, Deduct	-23.88	
			For >100, Deduct	-36.33	
10 51	13 00-0036	EA	15" x 18" x 72" Four Tier Institutional Or Corridor Locker	311.37	33.77
			For >25 To 50, Deduct	-12.19	
			For >50 To 100, Deduct	-25.40	
			For >100, Deduct	-38.60	
10 51	13 00-0037		Six Tier Institutional Or Corridor Locker (10 51 13 00-0001)		
10 51	13 00-0038	EA	12" x 12" x 72" Six Tier Institutional Or Corridor Locker	286.91	34.73
			For >25 To 50, Deduct	-10.87	
			For >50 To 100, Deduct	-22.79	
			For >100, Deduct	-34.70	
10 51	13 00-0039	EA	12" x 15" x 72" Six Tier Institutional Or Corridor Locker	293.20	34.73
			For >25 To 50, Deduct	-11.19	
			For >50 To 100, Deduct	-23.42	
			For >100, Deduct	-35.64	
10 51	13 00-0040	EA	12" x 18" x 72" Six Tier Institutional Or Corridor Locker	305.09	34.73
			For >25 To 50, Deduct	-11.78	
			For >50 To 100, Deduct	-24.60	
			For >100, Deduct	-37.43	
10 51	13 00-0041		Locker And Coat Rack Combination (10 51 13 00-0001)		
10 51	13 00-0042	EA	45" x 18" x 12", 4 Person Wall Mount Locker And Coat Rack Combination	514.27	23.15
10 51	13 00-0043	EA	72" x 18" x 78", 16 Person Locker And Coat Rack Combination	826.81	48.23
10 51	13 00-0044		All-Welded Steel Lockers (10 51 13)		
10 51	13 00-0045		All-Welded Steel Lockers (10 51 13 00-0044)		
			Note: Price per frame. Includes diamond perforated, standard louvered or solid doors and sides. Includes all-welded construction with 16 gauge solid top, bottom, and shelves, 14 gauge doors and 4" legs. Includes electrostatically applied enamel powder coat paint finish. Excludes slope top, base fillers, and locks.		
10 51	13 00-0046		Single Tier, All-Welded Steel Lockers (10 51 13 00-0045)		
			Note: Includes one hat shelf, two single hooks and one double hook.		
10 51	13 00-0047	EA	12" x 12" x 48" Single Tier, All-Welded Steel Locker	124.03	16.88
			For >25 To 50, Deduct	-5.00	
			For >50 To 100, Deduct	-10.35	
			For >100, Deduct	-15.71	
10 51	13 00-0048	EA	12" x 15" x 48" Single Tier, All-Welded Steel Locker	129.92	16.88
			For >25 To 50, Deduct	-5.29	
			For >50 To 100, Deduct	-10.94	
			For >100, Deduct	-16.59	
10 51	13 00-0049	EA	12" x 18" x 48" Single Tier, All-Welded Steel Locker	135.60	16.88
			For >25 To 50, Deduct	-5.57	
			For >50 To 100, Deduct	-11.51	
			For >100, Deduct	-17.45	
10 51	13 00-0050	EA	12" x 12" x 60" Single Tier, All-Welded Steel Locker	128.89	16.88
			For >25 To 50, Deduct	-5.24	
			For >50 To 100, Deduct	-10.84	
			For >100, Deduct	-16.44	
10 51	13 00-0051	EA	12" x 15" x 60" Single Tier, All-Welded Steel Locker	134.57	16.88
			For >25 To 50, Deduct	-5.52	
			For >50 To 100, Deduct	-11.41	
			For >100, Deduct	-17.29	
10 51	13 00-0052	EA	12" x 18" x 60" Single Tier, All-Welded Steel Locker	140.25	16.88
			For >25 To 50, Deduct	-5.81	
			For >50 To 100, Deduct	-11.98	
			For >100, Deduct	-18.14	
10 51	13 00-0053	EA	12" x 12" x 72" Single Tier, All-Welded Steel Locker	136.57	18.57
			For >25 To 50, Deduct	-5.50	
			For >50 To 100, Deduct	-11.40	
			For >100, Deduct	-17.30	
10 51	13 00-0054	EA	12" x 15" x 72" Single Tier, All-Welded Steel Locker	141.82	18.57
			For >25 To 50, Deduct	-5.76	
			For >50 To 100, Deduct	-11.93	
			For >100, Deduct	-18.09	
10 51	13 00-0055	EA	12" x 18" x 72" Single Tier, All-Welded Steel Locker	147.50	18.57
			For >25 To 50, Deduct	-6.05	
			For >50 To 100, Deduct	-12.49	
			For >100, Deduct	-18.94	
10 51	13 00-0056	EA	15" x 15" x 72" Single Tier, All-Welded Steel Locker	152.81	18.57
			For >25 To 50, Deduct	-6.31	
			For >50 To 100, Deduct	-13.03	
			For >100, Deduct	-19.74	



Specialties	10	10
Storage Specialties	10 50	
Lockers	10 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51	13 00-0057	EA	15" x 18" x 72" Single Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	157.18 -6.53 -13.46 -20.39	18.57
10 51	13 00-0058	EA	18" x 18" x 72" Single Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	163.22 -6.83 -14.07 -21.30	18.57
10 51	13 00-0059	EA	18" x 21" x 72" Single Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	170.01 -7.17 -14.75 -22.32	18.57
10 51	13 00-0060	EA	24" x 24" x 72" Single Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	272.26 -12.29 -24.97 -37.66	18.57
10 51 13 00-0061 Two Tier, All-Welded Steel Lockers (10 51 13 00-0045)					
Note: Includes two single hooks and one double hook per tier.					
10 51	13 00-0062	EA	12" x 12" x 60" Two Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	147.30 -6.16 -12.68 -19.20	16.88
10 51	13 00-0063	EA	12" x 15" x 60" Two Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	149.91 -6.29 -12.94 -19.59	16.88
10 51	13 00-0064	EA	12" x 18" x 60" Two Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	156.90 -6.64 -13.64 -20.64	16.88
10 51	13 00-0065	EA	12" x 12" x 72" Two Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	154.07 -6.38 -13.15 -19.93	18.57
10 51	13 00-0066	EA	12" x 15" x 72" Two Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	163.71 -6.86 -14.12 -21.37	18.57
10 51	13 00-0067	EA	12" x 18" x 72" Two Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	168.96 -7.12 -14.64 -22.16	18.57
10 51	13 00-0068	EA	15" x 15" x 72" Two Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	176.46 -7.50 -15.39 -23.29	18.57
10 51	13 00-0069	EA	15" x 18" x 72" Two Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	179.98 -7.67 -15.74 -23.81	18.57
10 51	13 00-0070	EA	18" x 18" x 72" Two Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	190.14 -8.18 -16.76 -25.34	18.57
10 51	13 00-0071	EA	18" x 21" x 72" Two Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	198.01 -8.57 -17.55 -26.52	18.57
10 51 13 00-0072 Three Tier, All-Welded Steel Lockers (10 51 13 00-0045)					
Note: Includes two single hooks and one double hook per tier.					
10 51	13 00-0073	EA	12" x 12" x 72" Three Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	181.23 -7.74 -15.87 -24.00	18.57
10 51	13 00-0074	EA	12" x 15" x 72" Three Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	185.18 -7.93 -16.26 -24.59	18.57
10 51	13 00-0075	EA	12" x 18" x 72" Three Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	189.10 -8.13 -16.65 -25.18	18.57
10 51	13 00-0076	EA	15" x 15" x 72" Three Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	198.39 -8.59 -17.58 -26.57	18.57
10 51	13 00-0077	EA	15" x 18" x 72" Three Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	200.10 -8.68 -17.75 -26.83	18.57

10 Specialties**10 50 Storage Specialties****10 51 Lockers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0078			Four Tier, All-Welded Steel Lockers (10 51 13 00-0045)		
10 51 13 00-0079	EA		12" x 12" x 72" Four Tier, All-Welded Steel Locker	171.86	18.57
			For >25 To 50, Deduct	-7.27	
			For >50 To 100, Deduct	-14.93	
			For >100, Deduct	-22.60	
10 51 13 00-0080	EA		12" x 15" x 72" Four Tier, All-Welded Steel Locker	175.59	18.57
			For >25 To 50, Deduct	-7.45	
			For >50 To 100, Deduct	-15.30	
			For >100, Deduct	-23.15	
10 51 13 00-0081	EA		12" x 18" x 72" Four Tier, All-Welded Steel Locker	179.29	18.57
			For >25 To 50, Deduct	-7.64	
			For >50 To 100, Deduct	-15.67	
			For >100, Deduct	-23.71	
10 51 13 00-0082	EA		15" x 15" x 72" Four Tier, All-Welded Steel Locker	188.03	18.57
			For >25 To 50, Deduct	-8.08	
			For >50 To 100, Deduct	-16.55	
			For >100, Deduct	-25.02	
10 51 13 00-0083	EA		15" x 18" x 72" Four Tier, All-Welded Steel Locker	189.62	18.57
			For >25 To 50, Deduct	-8.15	
			For >50 To 100, Deduct	-16.71	
			For >100, Deduct	-25.26	
10 51 13 00-0084			Six Tier, All-Welded Steel Lockers (10 51 13 00-0045)		
10 51 13 00-0085	EA		12" x 12" x 72" Six Tier, All-Welded Steel Locker	177.66	18.57
			For >25 To 50, Deduct	-7.56	
			For >50 To 100, Deduct	-15.51	
			For >100, Deduct	-23.47	
10 51 13 00-0086	EA		12" x 15" x 72" Six Tier, All-Welded Steel Locker	183.10	18.57
			For >25 To 50, Deduct	-7.83	
			For >50 To 100, Deduct	-16.05	
			For >100, Deduct	-24.28	
10 51 13 00-0087	EA		12" x 18" x 72" Six Tier, All-Welded Steel Locker	187.11	18.57
			For >25 To 50, Deduct	-8.03	
			For >50 To 100, Deduct	-16.46	
			For >100, Deduct	-24.88	
10 51 13 00-0088			All Welded Locker Accessories (10 51 13 00-0044)		
10 51 13 00-0089	EA		ADA Requirements For All Welded Lockers	70.52	
10 51 13 00-0090	EA		Solid Boxed End Panel For 12" Deep All Welded Lockers	116.53	3.86
10 51 13 00-0091	EA		Solid Boxed End Panel For 15" Deep All Welded Lockers	134.66	3.86
10 51 13 00-0092	EA		Recessed Trim For All Welded Lockers	82.95	3.86
10 51 13 00-0093	EA		Built In Combination Lock For All Welded Lockers	31.94	3.86
10 51 13 00-0094	EA		Pad Lock For All Welded Lockers	24.51	3.86
10 51 13 00-0095			Athletic Lockers (10 51 13)		
			Note: Price per frame. Includes baked enamel paint, diamond perforated doors and sides, 16 gauge solid top, bottom, and shelves and 6" legs. Excludes slope top, base fillers, and locks.		
10 51 13 00-0096			Single Tier Athletic Locker (10 51 13 00-0095)		
			Note: Includes one hat shelf, three single hooks and one double hook.		
10 51 13 00-0097	EA		12" x 15" x 60" Single Tier Athletic Locker	288.86	30.87
			For >25 To 50, Deduct	-11.36	
			For >50 To 100, Deduct	-23.64	
			For >100, Deduct	-35.92	
10 51 13 00-0098	EA		12" x 18" x 60" Single Tier Athletic Locker	298.45	30.87
			For >25 To 50, Deduct	-11.84	
			For >50 To 100, Deduct	-24.60	
			For >100, Deduct	-37.36	
10 51 13 00-0099	EA		15" x 15" x 60" Single Tier Athletic Locker	304.62	30.87
			For >25 To 50, Deduct	-12.14	
			For >50 To 100, Deduct	-25.21	
			For >100, Deduct	-38.28	
10 51 13 00-0100	EA		15" x 18" x 60" Single Tier Athletic Locker	314.86	30.87
			For >25 To 50, Deduct	-12.66	
			For >50 To 100, Deduct	-26.24	
			For >100, Deduct	-39.82	
10 51 13 00-0101	EA		18" x 18" x 60" Single Tier Athletic Locker	359.03	30.87
			For >25 To 50, Deduct	-14.86	
			For >50 To 100, Deduct	-30.66	
			For >100, Deduct	-46.45	
10 51 13 00-0102	EA		18" x 21" x 60" Single Tier Athletic Locker	394.15	30.87
			For >25 To 50, Deduct	-16.62	
			For >50 To 100, Deduct	-34.17	
			For >100, Deduct	-51.71	
10 51 13 00-0103	EA		18" x 24" x 60" Single Tier Athletic Locker	418.17	30.87
			For >25 To 50, Deduct	-17.82	
			For >50 To 100, Deduct	-36.57	
			For >100, Deduct	-55.32	



Specialties	10
Storage Specialties	10 50
Lockers	10 51

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0104 EA 12" x 15" x 72" Single Tier Athletic Locker	299.51	30.87
For >25 To 50, Deduct	-11.89	
For >50 To 100, Deduct	-24.70	
For >100, Deduct	-37.52	
10 51 13 00-0105 EA 12" x 18" x 72" Single Tier Athletic Locker	316.79	30.87
For >25 To 50, Deduct	-12.75	
For >50 To 100, Deduct	-26.43	
For >100, Deduct	-40.11	
10 51 13 00-0106 EA 15" x 15" x 72" Single Tier Athletic Locker	322.86	30.87
For >25 To 50, Deduct	-13.06	
For >50 To 100, Deduct	-27.04	
For >100, Deduct	-41.02	
10 51 13 00-0107 EA 15" x 18" x 72" Single Tier Athletic Locker	333.95	30.87
For >25 To 50, Deduct	-13.61	
For >50 To 100, Deduct	-28.15	
For >100, Deduct	-42.68	
10 51 13 00-0108 EA 18" x 18" x 72" Single Tier Athletic Locker	361.30	30.87
For >25 To 50, Deduct	-14.98	
For >50 To 100, Deduct	-30.88	
For >100, Deduct	-46.79	
10 51 13 00-0109 EA 18" x 21" x 72" Single Tier Athletic Locker	389.96	30.87
For >25 To 50, Deduct	-16.41	
For >50 To 100, Deduct	-33.75	
For >100, Deduct	-51.09	
10 51 13 00-0110 Two Tier Athletic Locker (10 51 13 00-0095)		
Note: Includes three single hooks and one double hook per tier.		
10 51 13 00-0111 EA 12" x 12" x 60" Two Tier Athletic Locker	322.82	31.83
For >25 To 50, Deduct	-12.96	
For >50 To 100, Deduct	-26.87	
For >100, Deduct	-40.78	
10 51 13 00-0112 EA 12" x 15" x 60" Two Tier Athletic Locker	333.03	31.83
For >25 To 50, Deduct	-13.47	
For >50 To 100, Deduct	-27.89	
For >100, Deduct	-42.31	
10 51 13 00-0113 EA 12" x 18" x 60" Two Tier Athletic Locker	344.53	31.83
For >25 To 50, Deduct	-14.04	
For >50 To 100, Deduct	-29.04	
For >100, Deduct	-44.04	
10 51 13 00-0114 EA 15" x 15" x 60" Two Tier Athletic Locker	345.65	31.83
For >25 To 50, Deduct	-14.10	
For >50 To 100, Deduct	-29.15	
For >100, Deduct	-44.21	
10 51 13 00-0115 EA 15" x 18" x 60" Two Tier Athletic Locker	348.04	31.83
For >25 To 50, Deduct	-14.22	
For >50 To 100, Deduct	-29.39	
For >100, Deduct	-44.57	
10 51 13 00-0116 EA 18" x 18" x 60" Two Tier Athletic Locker	368.23	31.83
For >25 To 50, Deduct	-15.23	
For >50 To 100, Deduct	-31.41	
For >100, Deduct	-47.59	
10 51 13 00-0117 EA 18" x 21" x 60" Two Tier Athletic Locker	383.02	31.83
For >25 To 50, Deduct	-15.97	
For >50 To 100, Deduct	-32.89	
For >100, Deduct	-49.81	
10 51 13 00-0118 EA 18" x 24" x 60" Two Tier Athletic Locker	449.08	31.83
For >25 To 50, Deduct	-19.27	
For >50 To 100, Deduct	-39.50	
For >100, Deduct	-59.72	
10 51 13 00-0119 EA 12" x 12" x 72" Two Tier Athletic Locker	333.88	31.83
For >25 To 50, Deduct	-13.51	
For >50 To 100, Deduct	-27.98	
For >100, Deduct	-42.44	
10 51 13 00-0120 EA 12" x 15" x 72" Two Tier Athletic Locker	344.33	31.83
For >25 To 50, Deduct	-14.03	
For >50 To 100, Deduct	-29.02	
For >100, Deduct	-44.01	
10 51 13 00-0121 EA 12" x 18" x 72" Two Tier Athletic Locker	358.59	31.83
For >25 To 50, Deduct	-14.75	
For >50 To 100, Deduct	-30.45	
For >100, Deduct	-46.15	
10 51 13 00-0122 EA 15" x 15" x 72" Two Tier Athletic Locker	360.75	31.83
For >25 To 50, Deduct	-14.85	
For >50 To 100, Deduct	-30.66	
For >100, Deduct	-46.47	
10 51 13 00-0123 EA 15" x 18" x 72" Two Tier Athletic Locker	372.46	31.83
For >25 To 50, Deduct	-15.44	
For >50 To 100, Deduct	-31.83	
For >100, Deduct	-48.23	
10 51 13 00-0124 EA 18" x 18" x 72" Two Tier Athletic Locker	386.86	31.83
For >25 To 50, Deduct	-16.16	
For >50 To 100, Deduct	-33.27	
For >100, Deduct	-50.39	

10 Specialties**10 50 Storage Specialties****10 51 Lockers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0125 EA 18" x 21" x 72" Two Tier Athletic Locker	419.16	31.83
For >25 To 50, Deduct	-17.77	
For >50 To 100, Deduct	-36.50	
For >100, Deduct	-55.23	
10 51 13 00-0126 Three Tier Athletic Locker (10 51 13 00-0095)		
Note: Includes one double hook per tier.		
10 51 13 00-0127 EA 12" x 12" x 60" Three Tier Athletic Locker	349.34	32.80
For >25 To 50, Deduct	-14.19	
For >50 To 100, Deduct	-29.36	
For >100, Deduct	-44.53	
10 51 13 00-0128 EA 12" x 15" x 60" Three Tier Athletic Locker	365.89	32.80
For >25 To 50, Deduct	-15.01	
For >50 To 100, Deduct	-31.01	
For >100, Deduct	-47.01	
10 51 13 00-0129 EA 12" x 18" x 60" Three Tier Athletic Locker	380.52	32.80
For >25 To 50, Deduct	-15.75	
For >50 To 100, Deduct	-32.48	
For >100, Deduct	-49.21	
10 51 13 00-0130 EA 15" x 15" x 60" Three Tier Athletic Locker	390.46	32.80
For >25 To 50, Deduct	-16.24	
For >50 To 100, Deduct	-33.47	
For >100, Deduct	-50.70	
10 51 13 00-0131 EA 15" x 18" x 60" Three Tier Athletic Locker	407.00	32.80
For >25 To 50, Deduct	-17.07	
For >50 To 100, Deduct	-35.12	
For >100, Deduct	-53.18	
10 51 13 00-0132 EA 12" x 12" x 72" Three Tier Athletic Locker	368.19	32.80
For >25 To 50, Deduct	-15.13	
For >50 To 100, Deduct	-31.24	
For >100, Deduct	-47.36	
10 51 13 00-0133 EA 12" x 15" x 72" Three Tier Athletic Locker	383.14	32.80
For >25 To 50, Deduct	-15.88	
For >50 To 100, Deduct	-32.74	
For >100, Deduct	-49.60	
10 51 13 00-0134 EA 12" x 18" x 72" Three Tier Athletic Locker	403.76	32.80
For >25 To 50, Deduct	-16.91	
For >50 To 100, Deduct	-34.80	
For >100, Deduct	-52.69	
10 51 13 00-0135 EA 15" x 15" x 72" Three Tier Athletic Locker	414.31	32.80
For >25 To 50, Deduct	-17.44	
For >50 To 100, Deduct	-35.86	
For >100, Deduct	-54.27	
10 51 13 00-0136 EA 15" x 18" x 72" Three Tier Athletic Locker	430.15	32.80
For >25 To 50, Deduct	-18.23	
For >50 To 100, Deduct	-37.44	
For >100, Deduct	-56.65	
10 51 13 00-0137 Four Tier Athletic Locker (10 51 13 00-0095)		
10 51 13 00-0138 EA 12" x 12" x 60" Four Tier Athletic Locker	323.05	33.77
For >25 To 50, Deduct	-12.78	
For >50 To 100, Deduct	-26.56	
For >100, Deduct	-40.35	
10 51 13 00-0139 EA 12" x 15" x 60" Four Tier Athletic Locker	343.31	33.77
For >25 To 50, Deduct	-13.79	
For >50 To 100, Deduct	-28.59	
For >100, Deduct	-43.39	
10 51 13 00-0140 EA 12" x 18" x 60" Four Tier Athletic Locker	363.58	33.77
For >25 To 50, Deduct	-14.80	
For >50 To 100, Deduct	-30.62	
For >100, Deduct	-46.43	
10 51 13 00-0141 EA 15" x 15" x 60" Four Tier Athletic Locker	371.86	33.77
For >25 To 50, Deduct	-15.22	
For >50 To 100, Deduct	-31.45	
For >100, Deduct	-47.68	
10 51 13 00-0142 EA 15" x 18" x 60" Four Tier Athletic Locker	405.15	33.77
For >25 To 50, Deduct	-16.88	
For >50 To 100, Deduct	-34.77	
For >100, Deduct	-52.67	
10 51 13 00-0143 EA 12" x 12" x 72" Four Tier Athletic Locker	343.67	33.77
For >25 To 50, Deduct	-13.81	
For >50 To 100, Deduct	-28.63	
For >100, Deduct	-43.45	
10 51 13 00-0144 EA 12" x 15" x 72" Four Tier Athletic Locker	364.23	33.77
For >25 To 50, Deduct	-14.84	
For >50 To 100, Deduct	-30.68	
For >100, Deduct	-46.53	
10 51 13 00-0145 EA 12" x 18" x 72" Four Tier Athletic Locker	384.78	33.77
For >25 To 50, Deduct	-15.86	
For >50 To 100, Deduct	-32.74	
For >100, Deduct	-49.61	



Specialties	10
Storage Specialties	10 50
Lockers	10 51

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0146 EA 15" x 15" x 72" Four Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	395.31 -16.39 -33.79 -51.19	33.77
10 51 13 00-0147 EA 15" x 18" x 72" Four Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	403.20 -16.78 -34.58 -52.38	33.77
10 51 13 00-0148 Six Tier Athletic Locker (10 51 13 00-0095)		
10 51 13 00-0149 EA 12" x 12" x 72" Six Tier Athletic Locker..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	380.17 -15.54 -32.11 -48.69	34.73
10 51 13 00-0150 EA 12" x 15" x 72" Six Tier Athletic Locker..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	395.96 -16.33 -33.69 -51.06	34.73
10 51 13 00-0151 EA 12" x 18" x 72" Six Tier Athletic Locker..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	411.72 -17.11 -35.27 -53.42	34.73
10 51 13 00-0152 EA 12" x 21" x 72" Six Tier Athletic Locker..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	469.26 -19.99 -41.02 -62.05	34.73
10 51 13 00-0153 Metal Locker Accessories (10 51 13)		
10 51 13 00-0154 Locker Slope Tops (10 51 13 00-0153)		
10 51 13 00-0155 16 Gauge Continuous Sloping Hood (10 51 13 00-0154)		
10 51 13 00-0156 LF 12" Deep, 16 Gauge Continuous Slope Top.....	24.56	3.86
10 51 13 00-0157 LF 15" Deep, 16 Gauge Continuous Slope Top.....	20.96	3.86
10 51 13 00-0158 LF 18" Deep, 16 Gauge Continuous Slope Top.....	28.24	3.86
10 51 13 00-0159 LF 21" Deep, 16 Gauge Continuous Slope Top.....	31.04	3.86
10 51 13 00-0160 LF 24" Deep, 16 Gauge Continuous Slope Top.....	32.34	3.86
10 51 13 00-0161 16 Gauge Slope Top Corner Fillers (10 51 13 00-0154)		
10 51 13 00-0162 EA 12" Deep, 16 Gauge Slope Top Corner Fillers.....	96.76	3.86
10 51 13 00-0163 EA 15" Deep, 16 Gauge Slope Top Corner Fillers.....	98.80	3.86
10 51 13 00-0164 EA 18" Deep, 16 Gauge Slope Top Corner Fillers.....	100.83	3.86
10 51 13 00-0165 EA 21" Deep, 16 Gauge Slope Top Corner Fillers.....	103.29	3.86
10 51 13 00-0166 EA 24" Deep, 16 Gauge Slope Top Corner Fillers.....	105.72	3.86
10 51 13 00-0167 20 Gauge Individual Slope Top (10 51 13 00-0154)		
10 51 13 00-0168 EA 12" Wide x 12" Deep 20 Gauge Individual Slope Top.....	21.32	3.86
10 51 13 00-0169 EA 12" Wide x 15" Deep 20 Gauge Individual Slope Top.....	21.19	3.86
10 51 13 00-0170 EA 12" Wide x 18" Deep 20 Gauge Individual Slope Top.....	23.40	3.86
10 51 13 00-0171 EA 15" Wide x 15" Deep 20 Gauge Individual Slope Top.....	23.40	3.86
10 51 13 00-0172 EA 15" Wide x 18" Deep 20 Gauge Individual Slope Top.....	23.92	3.86
10 51 13 00-0173 EA 15" Wide x 21" Deep 20 Gauge Individual Slope Top.....	26.02	3.86
10 51 13 00-0174 EA 18" Wide x 18" Deep 20 Gauge Individual Slope Top.....	26.02	3.86
10 51 13 00-0175 EA 18" Wide x 21" Deep 20 Gauge Individual Slope Top.....	28.77	3.86
10 51 13 00-0176 EA 18" Wide x 24" Deep 20 Gauge Individual Slope Top.....	32.05	3.86
10 51 13 00-0177 Continuous Slope Top End Closures (10 51 13 00-0154)		
10 51 13 00-0178 PR 12" Deep, Continuous Slope Top End Closures.....	22.62	3.86
10 51 13 00-0179 PR 15" Deep, Continuous Slope Top End Closures.....	19.46	3.86
10 51 13 00-0180 PR 18" Deep, Continuous Slope Top End Closures.....	25.23	3.86
10 51 13 00-0181 PR 21" Deep, Continuous Slope Top End Closures.....	26.54	3.86
10 51 13 00-0182 PR 24" Deep, Continuous Slope Top End Closures.....	27.44	3.86
10 51 13 00-0183 Individual Slope Top End Closures (10 51 13 00-0154)		
10 51 13 00-0184 EA 12" Deep, Individual Slope Top End Closures.....	15.17	3.86
10 51 13 00-0185 EA 15" Deep, Individual Slope Top End Closures.....	15.58	3.86
10 51 13 00-0186 EA 18" Deep, Individual Slope Top End Closures.....	16.49	3.86
10 51 13 00-0187 EA 21" Deep, Individual Slope Top End Closures.....	17.12	3.86
10 51 13 00-0188 EA 24" Deep, Individual Slope Top End Closures.....	23.57	3.86
10 51 13 00-0189 Locker Base (10 51 13 00-0153)		
10 51 13 00-0190 Closed Front Base (10 51 13 00-0189)		
10 51 13 00-0191 EA 12" Wide, 6" High Closed Front Base.....	15.87	3.86
10 51 13 00-0192 EA 15" Wide, 6" High Closed Front Base.....	16.55	3.86



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0193 EA 18" Wide, 6" High Closed Front Base	17.97	3.86
10 51 13 00-0194 EA 24" Wide, 6" High Closed Front Base	18.66	3.86
10 51 13 00-0195 Closed End Base <small>(10 51 13 00-0189)</small>		
10 51 13 00-0196 EA 12" Deep, 6" High Closed End Base	17.76	3.86
10 51 13 00-0197 EA 15" Deep, 6" High Closed End Base	17.88	3.86
10 51 13 00-0198 EA 18" Deep, 6" High Closed End Base	18.80	3.86
10 51 13 00-0199 EA 21" Deep, 6" High Closed End Base	19.71	3.86
10 51 13 00-0200 EA 24" Deep, 6" High Closed End Base	20.95	3.86
10 51 13 00-0201 Recessed Continuous Front "Z" Base <small>(10 51 13 00-0189)</small>		
10 51 13 00-0202 LF 4" High Recessed Continuous Front "Z" Base	18.19	2.90
10 51 13 00-0203 "Z" Base Ends Or Splice <small>(10 51 13 00-0189)</small>		
10 51 13 00-0204 EA 12" Wide, 4" High Z-Base Ends Or Splice	18.50	3.86
10 51 13 00-0205 EA 15" Wide, 4" High Z-Base Ends Or Splice	21.19	3.86
10 51 13 00-0206 EA 18" Wide, 4" High Z-Base Ends Or Splice	23.92	3.86
10 51 13 00-0207 EA 21" Wide, 4" High Z-Base Ends Or Splice	26.81	3.86
10 51 13 00-0208 EA 24" Wide, 4" High Z-Base Ends Or Splice	29.68	3.86
10 51 13 00-0209 Locker Front Fillers And End Panels <small>(10 51 13 00-0153)</small>		
10 51 13 00-0210 Locker Front Fillers <small>(10 51 13 00-0209)</small>		
10 51 13 00-0211 EA 6" Wide x 48" High, 16 Gauge Front Filler	24.02	4.82
10 51 13 00-0212 EA 12" Wide x 48" High, 16 Gauge Front Filler	37.74	4.82
10 51 13 00-0213 EA 6" Wide x 60" High, 16 Gauge Front Filler	29.66	4.82
10 51 13 00-0214 EA 12" Wide x 60" High, 16 Gauge Front Filler	44.77	4.82
10 51 13 00-0215 EA 6" Wide x 66" High, 16 Gauge Front Filler	32.12	4.82
10 51 13 00-0216 EA 12" Wide x 66" High, 16 Gauge Front Filler	35.86	4.82
10 51 13 00-0217 EA 6" Wide x 72" High, 16 Gauge Front Filler	34.98	4.82
10 51 13 00-0218 EA 12" Wide x 72" High, 16 Gauge Front Filler	48.85	4.82
10 51 13 00-0219 EA 6" Wide x 78" High, 16 Gauge Front Filler	35.77	4.82
10 51 13 00-0220 EA 12" Wide x 78" High, 16 Gauge Front Filler	41.37	4.82
10 51 13 00-0221 Locker End Panels <small>(10 51 13 00-0209)</small>		
10 51 13 00-0222 EA 12" Deep x 48" High, 16 Gauge End Panel	37.97	3.86
10 51 13 00-0223 EA 15" Deep x 48" High, 16 Gauge End Panel	46.04	3.86
10 51 13 00-0224 EA 18" Deep x 48" High, 16 Gauge End Panel	53.81	3.86
10 51 13 00-0225 EA 12" Deep x 60" High, 16 Gauge End Panel	44.58	3.86
10 51 13 00-0226 EA 15" Deep x 60" High, 16 Gauge End Panel	50.37	3.86
10 51 13 00-0227 EA 18" Deep x 60" High, 16 Gauge End Panel	59.48	3.86
10 51 13 00-0228 EA 12" Deep x 72" High, 16 Gauge End Panel	52.28	3.86
10 51 13 00-0229 EA 15" Deep x 72" High, 16 Gauge End Panel	59.32	3.86
10 51 13 00-0230 EA 18" Deep x 72" High, 16 Gauge End Panel	68.69	3.86
10 51 13 00-0231 EA 21" Deep x 72" High, 16 Gauge End Panel	78.87	3.86
10 51 13 00-0232 Locker Recessed Trim <small>(10 51 13 00-0153)</small>		
10 51 13 00-0233 LF 3" Height, Top Trim For Recessed Lockers	8.24	1.93
10 51 13 00-0234 EA 3" Height, Inside And Outside Top Corner Trim For Recessed Lockers	22.20	3.86
10 51 13 00-0235 EA 60" Height, 3" Wide Side Trim For Recessed Lockers.....	33.06	3.86
10 51 13 00-0236 EA 66" Height, 3" Wide Side Trim For Recessed Lockers.....	34.21	3.86
10 51 13 00-0237 EA 72" Height, 3" Wide Side Trim For Recessed Lockers.....	35.35	3.86
10 51 13 00-0238 EA 78" Height, 3" Wide Side Trim For Recessed Lockers.....	36.35	3.86
10 51 13 00-0239 Locker Interior Accessories <small>(10 51 13 00-0153)</small>		
10 51 13 00-0240 Locker Coat Rods <small>(10 51 13 00-0239)</small>		
10 51 13 00-0241 EA 12" Wide Coat Rod	12.65	3.86
10 51 13 00-0242 EA 15" Wide Coat Rod	13.72	3.86
10 51 13 00-0243 EA 18" Wide Coat Rod	14.66	3.86
10 51 13 00-0244 EA 24" Wide Coat Rod	15.50	3.86
10 51 13 00-0245 Locker Hat Shelf <small>(10 51 13 00-0239)</small>		
10 51 13 00-0246 EA 12" Wide Hat Shelf.....	14.89	3.86
10 51 13 00-0247 EA 15" Wide Hat Shelf.....	17.20	3.86
10 51 13 00-0248 EA 18" Wide Hat Shelf.....	18.17	3.86
10 51 13 00-0249 EA 24" Wide Hat Shelf.....	22.02	3.86
10 51 13 00-0250 Locker ADA Compliant Shelf <small>(10 51 13 00-0239)</small>		
10 51 13 00-0251 EA ADA Compliant Shelf For Single Tier Lockers	28.32	4.82
Note: Includes an ADA label for locker face.		



Specialties	10	10
Storage Specialties	10 50	
Lockers	10 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0252 Other Interior Locker Accessories <small>(10 51 13 00-0239)</small>		
10 51 13 00-0253 EA 3" x 10" Bent Plate Shoe Rack	36.44	3.86
10 51 13 00-0254 EA 8" x 10" Mirror	29.26	3.86
10 51 13 00-0255 EA Additional Hook.....	9.52	3.86
10 51 13 00-0256 Locker Locks <small>(10 51 13 00-0153)</small>		
10 51 13 00-0257 EA Built In Combination Lock.....	31.94	3.86
10 51 13 00-0258 Steel Basket Racks Mounted On Concrete Base <small>(10 51 13)</small>		
Note: Includes electroplated baskets with 3/4" x 1" wire mesh sides and bottom with perforated sheet steel front and backs.		
10 51 13 00-0259 EA 9" x 13" x 8" Baskets, 28 Wire Mesh Baskets And Rack	1,451.59	72.36
10 51 13 00-0260 EA 12" x 13" x 8" Baskets, 21 Wire Mesh Baskets And Rack	1,245.12	72.36
10 51 26 Plastic Lockers <small>(10 51)</small>		
10 51 26 00-0001 Solid Plastic Lockers <small>(10 51 26)</small>		
Note: Price per frame. High density polyethylene with homogeneous color throughout. Includes 1/2" door, 3/8" sides, tops, bottoms, rears and shelves. Excludes slope top, base, and locks.		
10 51 26 00-0002 Single Tier Solid Plastic Lockers <small>(10 51 26 00-0001)</small>		
Note: Includes one double hook per tier.		
10 51 26 00-0003 EA 12" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	374.15	29.91
For >50 To 100, Deduct		-31.43
For >100, Deduct		-48.95
10 51 26 00-0004 EA 12" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	380.46	29.91
For >50 To 100, Deduct		-32.07
For >100, Deduct		-49.89
10 51 26 00-0005 EA 12" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	386.77	29.91
For >50 To 100, Deduct		-32.70
For >100, Deduct		-50.84
10 51 26 00-0006 EA 15" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	396.22	29.91
For >50 To 100, Deduct		-33.64
For >100, Deduct		-52.26
10 51 26 00-0007 EA 15" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	386.22	29.91
For >50 To 100, Deduct		-32.64
For >100, Deduct		-50.76
10 51 26 00-0008 EA 18" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	388.87	29.91
For >50 To 100, Deduct		-32.91
For >100, Deduct		-51.15
10 51 26 00-0009 EA 18" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	384.21	29.91
For >50 To 100, Deduct		-32.44
For >100, Deduct		-50.45
10 51 26 00-0010 EA 18" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	410.25	29.91
For >50 To 100, Deduct		-35.04
For >100, Deduct		-54.36
10 51 26 00-0011 EA 12" x 12" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	404.24	29.91
For >50 To 100, Deduct		-34.44
For >100, Deduct		-53.46
10 51 26 00-0012 EA 12" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	411.25	29.91
For >50 To 100, Deduct		-35.14
For >100, Deduct		-54.51
10 51 26 00-0013 EA 12" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	418.25	29.91
For >50 To 100, Deduct		-35.84
For >100, Deduct		-55.56
10 51 26 00-0014 EA 15" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	434.28	29.91
For >50 To 100, Deduct		-37.45
For >100, Deduct		-57.96
10 51 26 00-0015 EA 15" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	456.31	29.91
For >50 To 100, Deduct		-39.65
For >100, Deduct		-61.27
10 51 26 00-0016 EA 18" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	436.27	29.91
For >50 To 100, Deduct		-37.65
For >100, Deduct		-58.26
10 51 26 00-0017 EA 18" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	472.32	29.91
For >50 To 100, Deduct		-41.25
For >100, Deduct		-63.67
10 51 26 00-0018 EA 12" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	407.03	29.91
For >50 To 100, Deduct		-34.72
For >100, Deduct		-53.88
10 51 26 00-0019 EA 12" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	427.57	29.91
For >50 To 100, Deduct		-36.78
For >100, Deduct		-56.96
10 51 26 00-0020 EA 12" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	448.12	29.91
For >50 To 100, Deduct		-38.83
For >100, Deduct		-60.04
10 51 26 00-0021 EA 15" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	433.07	29.91
For >50 To 100, Deduct		-37.33
For >100, Deduct		-57.78

10 Specialties
10 50 Storage Specialties
10 51 Lockers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0022	EA		15" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	454.84	29.91
			<i>For >50 To 100, Deduct</i>	-39.50	
			<i>For >100, Deduct</i>	-61.05	
10 51 26 00-0023	EA		15" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	476.63	29.91
			<i>For >50 To 100, Deduct</i>	-41.68	
			<i>For >100, Deduct</i>	-64.32	
10 51 26 00-0024	EA		18" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	459.11	29.91
			<i>For >50 To 100, Deduct</i>	-39.93	
			<i>For >100, Deduct</i>	-61.69	
10 51 26 00-0025	EA		18" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	482.13	29.91
			<i>For >50 To 100, Deduct</i>	-42.23	
			<i>For >100, Deduct</i>	-65.14	
10 51 26 00-0026	EA		12" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	463.52	30.87
			<i>For >50 To 100, Deduct</i>	-40.18	
			<i>For >100, Deduct</i>	-62.12	
10 51 26 00-0027	EA		12" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	486.55	30.87
			<i>For >50 To 100, Deduct</i>	-42.48	
			<i>For >100, Deduct</i>	-65.57	
10 51 26 00-0028	EA		12" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	509.55	30.87
			<i>For >50 To 100, Deduct</i>	-44.78	
			<i>For >100, Deduct</i>	-69.02	
10 51 26 00-0029	EA		15" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	493.40	30.87
			<i>For >50 To 100, Deduct</i>	-43.17	
			<i>For >100, Deduct</i>	-66.60	
10 51 26 00-0030	EA		15" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	517.69	30.87
			<i>For >50 To 100, Deduct</i>	-45.60	
			<i>For >100, Deduct</i>	-70.24	
10 51 26 00-0031	EA		15" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	541.95	30.87
			<i>For >50 To 100, Deduct</i>	-48.02	
			<i>For >100, Deduct</i>	-73.88	
10 51 26 00-0032	EA		18" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	517.23	30.87
			<i>For >50 To 100, Deduct</i>	-45.55	
			<i>For >100, Deduct</i>	-70.18	
10 51 26 00-0033	EA		18" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	548.81	30.87
			<i>For >50 To 100, Deduct</i>	-48.71	
			<i>For >100, Deduct</i>	-74.91	
10 51 26 00-0034	EA		18" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	574.31	30.87
			<i>For >50 To 100, Deduct</i>	-51.26	
			<i>For >100, Deduct</i>	-78.74	
10 51 26 00-0035			Double Tier Solid Plastic Lockers <small>(10 51 26 00-0001)</small>		
			Note: Includes one double hook per tier.		
10 51 26 00-0036	EA		12" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	418.18	30.87
			<i>For >50 To 100, Deduct</i>	-35.64	
			<i>For >100, Deduct</i>	-55.32	
10 51 26 00-0037	EA		12" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	424.19	30.87
			<i>For >50 To 100, Deduct</i>	-36.25	
			<i>For >100, Deduct</i>	-56.22	
10 51 26 00-0038	EA		12" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	433.20	30.87
			<i>For >50 To 100, Deduct</i>	-37.15	
			<i>For >100, Deduct</i>	-57.57	
10 51 26 00-0039	EA		15" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	430.20	30.87
			<i>For >50 To 100, Deduct</i>	-36.85	
			<i>For >100, Deduct</i>	-57.12	
10 51 26 00-0040	EA		15" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	446.22	30.87
			<i>For >50 To 100, Deduct</i>	-38.45	
			<i>For >100, Deduct</i>	-59.52	
10 51 26 00-0041	EA		15" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	484.26	30.87
			<i>For >50 To 100, Deduct</i>	-42.25	
			<i>For >100, Deduct</i>	-65.23	
10 51 26 00-0042	EA		18" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	434.21	30.87
			<i>For >50 To 100, Deduct</i>	-37.25	
			<i>For >100, Deduct</i>	-57.72	
10 51 26 00-0043	EA		18" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	453.58	30.87
			<i>For >50 To 100, Deduct</i>	-39.18	
			<i>For >100, Deduct</i>	-60.63	
10 51 26 00-0044	EA		18" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	488.27	30.87
			<i>For >50 To 100, Deduct</i>	-42.65	
			<i>For >100, Deduct</i>	-65.83	
10 51 26 00-0045	EA		12" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	431.96	30.87
			<i>For >50 To 100, Deduct</i>	-37.02	
			<i>For >100, Deduct</i>	-57.39	
10 51 26 00-0046	EA		12" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	463.33	30.87
			<i>For >50 To 100, Deduct</i>	-40.16	
			<i>For >100, Deduct</i>	-62.09	
10 51 26 00-0047	EA		12" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	472.29	30.87
			<i>For >50 To 100, Deduct</i>	-41.06	
			<i>For >100, Deduct</i>	-63.43	
10 51 26 00-0048	EA		15" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	468.57	30.87
			<i>For >50 To 100, Deduct</i>	-40.68	
			<i>For >100, Deduct</i>	-62.88	
10 51 26 00-0049	EA		15" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	489.35	30.87
			<i>For >50 To 100, Deduct</i>	-42.76	
			<i>For >100, Deduct</i>	-65.99	



Specialties	10	10
Storage Specialties	10 50	
Lockers	10 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0050	EA		18" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	493.42 -43.17 -66.60	30.87
10 51 26 00-0051	EA		18" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	515.39 -45.37 -69.90	30.87
10 51 26 00-0052	EA		18" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	537.37 -47.56 -73.20	30.87
10 51 26 00-0053	EA		12" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	497.71 -43.40 -67.02	31.83
10 51 26 00-0054	EA		12" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	519.69 -45.60 -70.31	31.83
10 51 26 00-0055	EA		12" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	531.14 -46.75 -72.03	31.83
10 51 26 00-0056	EA		15" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	526.24 -46.26 -71.30	31.83
10 51 26 00-0057	EA		15" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	549.42 -48.58 -74.77	31.83
10 51 26 00-0058	EA		15" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	572.59 -50.89 -78.25	31.83
10 51 26 00-0059	EA		18" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	530.39 -46.67 -71.92	31.83
10 51 26 00-0060	EA		18" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	579.13 -51.55 -79.23	31.83
10 51 26 00-0061	EA		18" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	603.47 -53.98 -82.88	31.83
10 51 26 00-0062			Triple Tier Solid Plastic Lockers <small>(10 51 26 00-0001)</small> Note: Includes one double hook per tier.		
10 51 26 00-0063	EA		12" x 12" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	412.60 -34.89 -54.25	31.83
10 51 26 00-0064	EA		15" x 15" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	429.09 -36.54 -56.72	31.83
10 51 26 00-0065	EA		15" x 18" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	444.21 -38.05 -58.99	31.83
10 51 26 00-0066	EA		12" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	447.14 -38.35 -59.43	31.83
10 51 26 00-0067	EA		12" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	482.37 -41.87 -64.72	31.83
10 51 26 00-0068	EA		12" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	482.54 -41.89 -64.74	31.83
10 51 26 00-0069	EA		15" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	501.76 -43.81 -67.62	31.83
10 51 26 00-0070	EA		15" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	521.07 -45.74 -70.52	31.83
10 51 26 00-0071	EA		15" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	540.37 -47.67 -73.42	31.83
10 51 26 00-0072	EA		18" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	524.85 -46.12 -71.09	31.83
10 51 26 00-0073	EA		18" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	545.25 -48.16 -74.15	31.83
10 51 26 00-0074	EA		18" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	565.65 -50.20 -77.21	31.83
10 51 26 00-0075	EA		12" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	528.97 -46.34 -71.47	32.80
10 51 26 00-0076	EA		12" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	549.38 -48.38 -74.54	32.80
10 51 26 00-0077	EA		12" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	563.71 -49.81 -76.68	32.80

10 Specialties
10 50 Storage Specialties
10 51 Lockers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0078	EA		15" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	555.46	32.80
			<i>For >50 To 100, Deduct</i>	-48.99	
			<i>For >100, Deduct</i>	-75.45	
10 51 26 00-0079	EA		15" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	561.93	32.80
			<i>For >50 To 100, Deduct</i>	-49.63	
			<i>For >100, Deduct</i>	-76.42	
10 51 26 00-0080	EA		15" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	585.25	32.80
			<i>For >50 To 100, Deduct</i>	-51.97	
			<i>For >100, Deduct</i>	-79.92	
10 51 26 00-0081	EA		18" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	546.20	32.80
			<i>For >50 To 100, Deduct</i>	-48.06	
			<i>For >100, Deduct</i>	-74.06	
10 51 26 00-0082	EA		18" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	593.61	32.80
			<i>For >50 To 100, Deduct</i>	-52.80	
			<i>For >100, Deduct</i>	-81.17	
10 51 26 00-0083	EA		18" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	627.17	32.80
			<i>For >50 To 100, Deduct</i>	-56.16	
			<i>For >100, Deduct</i>	-86.20	
10 51 26 00-0084 Four Tier Solid Plastic Lockers (10 51 26 00-0001)					
10 51 26 00-0085	EA		12" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	477.11	32.80
			<i>For >50 To 100, Deduct</i>	-41.15	
			<i>For >100, Deduct</i>	-63.69	
10 51 26 00-0086	EA		12" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	490.49	32.80
			<i>For >50 To 100, Deduct</i>	-42.49	
			<i>For >100, Deduct</i>	-65.70	
10 51 26 00-0087	EA		12" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	515.16	32.80
			<i>For >50 To 100, Deduct</i>	-44.96	
			<i>For >100, Deduct</i>	-69.40	
10 51 26 00-0088	EA		15" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	512.15	32.80
			<i>For >50 To 100, Deduct</i>	-44.66	
			<i>For >100, Deduct</i>	-68.95	
10 51 26 00-0089	EA		15" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	544.12	32.80
			<i>For >50 To 100, Deduct</i>	-47.85	
			<i>For >100, Deduct</i>	-73.75	
10 51 26 00-0090	EA		15" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	554.20	32.80
			<i>For >50 To 100, Deduct</i>	-48.86	
			<i>For >100, Deduct</i>	-75.26	
10 51 26 00-0091	EA		18" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	549.19	32.80
			<i>For >50 To 100, Deduct</i>	-48.36	
			<i>For >100, Deduct</i>	-74.51	
10 51 26 00-0092	EA		18" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	566.21	32.80
			<i>For >50 To 100, Deduct</i>	-50.06	
			<i>For >100, Deduct</i>	-77.06	
10 51 26 00-0093	EA		18" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	615.28	32.80
			<i>For >50 To 100, Deduct</i>	-54.97	
			<i>For >100, Deduct</i>	-84.42	
10 51 26 00-0094	EA		12" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	547.07	33.77
			<i>For >50 To 100, Deduct</i>	-47.95	
			<i>For >100, Deduct</i>	-73.96	
10 51 26 00-0095	EA		12" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	570.80	33.77
			<i>For >50 To 100, Deduct</i>	-50.33	
			<i>For >100, Deduct</i>	-77.52	
10 51 26 00-0096	EA		12" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	573.89	33.77
			<i>For >50 To 100, Deduct</i>	-50.64	
			<i>For >100, Deduct</i>	-77.98	
10 51 26 00-0097	EA		15" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	603.79	33.77
			<i>For >50 To 100, Deduct</i>	-53.63	
			<i>For >100, Deduct</i>	-82.46	
10 51 26 00-0098	EA		15" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	576.12	33.77
			<i>For >50 To 100, Deduct</i>	-50.86	
			<i>For >100, Deduct</i>	-78.31	
10 51 26 00-0099	EA		15" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	601.19	33.77
			<i>For >50 To 100, Deduct</i>	-53.37	
			<i>For >100, Deduct</i>	-82.07	
10 51 26 00-0100	EA		18" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	575.16	33.77
			<i>For >50 To 100, Deduct</i>	-50.76	
			<i>For >100, Deduct</i>	-78.17	
10 51 26 00-0101	EA		18" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	605.20	33.77
			<i>For >50 To 100, Deduct</i>	-53.77	
			<i>For >100, Deduct</i>	-82.68	
10 51 26 00-0102	EA		18" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	650.21	33.77
			<i>For >50 To 100, Deduct</i>	-58.27	
			<i>For >100, Deduct</i>	-89.43	
10 51 26 00-0103 Five Tier Solid Plastic Lockers (10 51 26 00-0001)					
10 51 26 00-0104	EA		12" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	517.57	33.28
			<i>For >50 To 100, Deduct</i>	-45.10	
			<i>For >100, Deduct</i>	-69.65	
10 51 26 00-0105	EA		12" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	534.14	33.28
			<i>For >50 To 100, Deduct</i>	-46.76	
			<i>For >100, Deduct</i>	-72.13	



Specialties	10	10
Storage Specialties	10 50	
Lockers	10 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0106	EA		12" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	550.71	33.28
			For >50 To 100, Deduct	-48.41	
			For >100, Deduct	-74.62	
10 51 26 00-0107	EA		15" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	540.16	33.28
			For >50 To 100, Deduct	-47.36	
			For >100, Deduct	-73.04	
10 51 26 00-0108	EA		15" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	569.84	33.28
			For >50 To 100, Deduct	-50.33	
			For >100, Deduct	-77.49	
10 51 26 00-0109	EA		15" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	584.21	33.28
			For >50 To 100, Deduct	-51.76	
			For >100, Deduct	-79.64	
10 51 26 00-0110	EA		18" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	579.20	33.28
			For >50 To 100, Deduct	-51.26	
			For >100, Deduct	-78.89	
10 51 26 00-0111	EA		18" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	595.22	33.28
			For >50 To 100, Deduct	-52.87	
			For >100, Deduct	-81.29	
10 51 26 00-0112	EA		18" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	647.29	33.28
			For >50 To 100, Deduct	-58.07	
			For >100, Deduct	-89.11	
10 51 26 00-0113	EA		12" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	563.50	34.25
			For >50 To 100, Deduct	-49.50	
			For >100, Deduct	-76.31	
10 51 26 00-0114	EA		12" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	582.09	34.25
			For >50 To 100, Deduct	-51.36	
			For >100, Deduct	-79.09	
10 51 26 00-0115	EA		12" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	600.66	34.25
			For >50 To 100, Deduct	-53.22	
			For >100, Deduct	-81.88	
10 51 26 00-0116	EA		15" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	594.16	34.25
			For >50 To 100, Deduct	-52.57	
			For >100, Deduct	-80.90	
10 51 26 00-0117	EA		15" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	607.22	34.25
			For >50 To 100, Deduct	-53.87	
			For >100, Deduct	-82.86	
10 51 26 00-0118	EA		15" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	626.79	34.25
			For >50 To 100, Deduct	-55.83	
			For >100, Deduct	-85.80	
10 51 26 00-0119	EA		18" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	611.75	34.25
			For >50 To 100, Deduct	-54.33	
			For >100, Deduct	-83.54	
10 51 26 00-0120	EA		18" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	634.19	34.25
			For >50 To 100, Deduct	-56.57	
			For >100, Deduct	-86.91	
10 51 26 00-0121	EA		18" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	660.23	34.25
			For >50 To 100, Deduct	-59.17	
			For >100, Deduct	-90.81	
10 51 26 00-0122			Six Tier Solid Plastic Lockers (10 51 26 00-0001)		
10 51 26 00-0123	EA		15" x 12" x 60" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	594.25	33.77
			For >50 To 100, Deduct	-52.67	
			For >100, Deduct	-81.03	
10 51 26 00-0124	EA		12" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	584.07	34.73
			For >50 To 100, Deduct	-51.46	
			For >100, Deduct	-79.28	
10 51 26 00-0125	EA		12" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	602.63	34.73
			For >50 To 100, Deduct	-53.32	
			For >100, Deduct	-82.06	
10 51 26 00-0126	EA		12" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	615.01	34.73
			For >50 To 100, Deduct	-54.56	
			For >100, Deduct	-83.92	
10 51 26 00-0127	EA		15" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	639.75	34.73
			For >50 To 100, Deduct	-57.03	
			For >100, Deduct	-87.63	
10 51 26 00-0128	EA		15" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	646.98	34.73
			For >50 To 100, Deduct	-57.75	
			For >100, Deduct	-88.71	
10 51 26 00-0129	EA		15" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	652.14	34.73
			For >50 To 100, Deduct	-58.27	
			For >100, Deduct	-89.49	
10 51 26 00-0130	EA		18" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	654.19	34.73
			For >50 To 100, Deduct	-58.47	
			For >100, Deduct	-89.79	
10 51 26 00-0131	EA		18" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	676.88	34.73
			For >50 To 100, Deduct	-60.74	
			For >100, Deduct	-93.20	
10 51 26 00-0132	EA		18" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	706.79	34.73
			For >50 To 100, Deduct	-63.73	
			For >100, Deduct	-97.68	

10 51 26 00-0133 Solid Plastic Locker Accessories (10 51 26 00-0001)

10	Specialties
10 50	Storage Specialties
10 51	Lockers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0134 Slope Tops For Solid Plastic Lockers <small>(10 51 26 00-0133)</small> Note: Price per frame.		
10 51 26 00-0135 EA Slope Top For Solid Plastic Lockers (Tufftec Lockers®).....	29.15	
10 51 26 00-0136 Recessed Bases For Solid Plastic Lockers <small>(10 51 26 00-0133)</small> Note: Price per frame.		
10 51 26 00-0137 EA Recessed Base For Solid Plastic Lockers (Tufftec Lockers®).....	31.82	
10 51 26 00-0138 End Panels For Solid Plastic Lockers <small>(10 51 26 00-0133)</small> Note: Price per frame.		
10 51 26 00-0139 EA End Panel For Solid Plastic Lockers (Tufftec Lockers®)	70.65	
10 51 26 00-0140 Venting Options For Solid Plastic Locker Doors <small>(10 51 26 00-0133)</small> Note: Price per frame.		
10 51 26 00-0141 EA Horizontal Venting Option For Solid Plastic Locker Doors.....	26.78	
10 51 26 00-0142 Filler Panels For Solid Plastic Lockers <small>(10 51 26 00-0133)</small> Note: Full locker height. Width and height cut to size in the field.		
10 51 26 00-0143 EA Up To 6" Width, Filler Panel For Solid Plastic Lockers (Tufftec Lockers®).....	77.67	
10 51 26 00-0144 Locker Accessories For Solid Plastic Lockers <small>(10 51 26 00-0133)</small>		
10 51 26 00-0145 EA Built In Hasp For Solid Plastic Lockers	6.69	
Note: For removable padlocks. Excludes padlock.		
10 51 26 00-0146 EA Built In Combination Lock For Solid Plastic Lockers.....	20.09	
10 51 26 00-0147 EA Built In Key Lock For Solid Plastic Lockers.....	26.78	
10 51 53 Locker Room Benches <small>(10 51)</small>		
10 51 53 00-0001 LF Hardwood Bench With Aluminum Pedestals.....	79.61	4.82
10 51 53 00-0002 LF Hardwood Bench With Painted Steel Pedestals	63.75	4.82
10 51 53 00-0003 LF Plastic Laminated Bench With Steel Pedestals	96.83	4.82
10 51 53 00-0004 LF Solid Plastic Bench With Steel Pedestals	92.58	4.82
10 51 53 00-0005 LF Aluminum Bench With Aluminum Pedestals	72.16	4.82
10 55 Postal Specialties <small>(10 50)</small>		
10 55 23 Mail Boxes <small>(10 55)</small>		
10 55 23 23 Residential Mail Boxes <small>(10 55 23)</small>		
10 55 23 23-0001 Residential Mail Boxes <small>(10 55 23 23)</small>		
10 55 23 23-0002 EA 13" x 3-9/16" Satin Aluminum (Aluminum Body) Letter Slot With Interior Plate	80.43	10.86
For Stainless Steel Sleeve, Add	14.41	
10 55 23 23-0003 EA 13" x 3-9/16" Bright Brass (Brass Body) Letter Slot With Interior Plate.....	102.75	10.86
For Stainless Steel Sleeve, Add	14.41	
10 55 23 23-0004 EA Aluminum Or Galvanized Wall Mounted Mailbox.....	58.85	9.65
10 55 23 23-0005 EA 20" x 8-3/4" x 6-7/8" Galvanized Steel Residential Rural Mailbox With 1-1/2" Post.....	91.63	12.06
10 55 23 26 Commercial Mail Boxes <small>(10 55 23)</small>		
10 55 23 26-0001 Commercial Letter Boxes <small>(10 55 23 26)</small> Note: Includes locks and keys unless provided by the United States Postal Service.		
10 55 23 26-0002 EA 15" Wide x 19" High x 7-1/2" Deep, US Postal Service Approved, Surface Mount, Aluminum Letter Box (Salsbury 2240AU)	233.86	14.48
10 55 23 26-0003 EA 15" Wide x 19" High x 6-3/4" Deep, Private Use/Access, Recessed Mount, Aluminum Letter Box (Salsbury 2245AP).....	268.99	14.48
10 55 23 26-0004 Commercial Horizontal Mail Boxes <small>(10 55 23 26)</small> Note: Includes locks and keys unless provided by the United States Postal Service.		
10 55 23 26-0005 BOX 5-1/2" Wide x 5-1/2" High x 15-1/2" Deep, Private Use/Access, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box	52.71	14.48
10 55 23 26-0006 BOX 10-3/4" Wide x 5-1/2" High x 15-1/2" Deep, Private Use/Access, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box.....	108.32	19.29
10 55 23 26-0007 BOX 6-3/8" Wide x 5" High x 17" Deep, US Postal Service Approved, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box.....	65.75	12.06
10 55 23 26-0008 BOX 12-7/8" Wide x 5" High x 17" Deep, US Postal Service Approved, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box.....	102.55	19.29
10 55 23 26-0009 Commercial Cluster Mail Boxes <small>(10 55 23 26)</small> Note: Includes locks and keys unless provided by the United States Postal Service. Includes pedestal. Excludes concrete foundation.		



Specialties	10	10
Storage Specialties	10 50	
Postal Specialties	10 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 55 23 26-0010 EA 13-15/16 Wide" x 24-1/8" High x 15" Deep, Pedestal Mount, Aluminum (NDCBU) Neighborhood Delivery And Collection Mail Box (National Mailboxes H8MNDCBU5) Note: Any door combination.	1,173.22	28.94
10 55 23 26-0011 EA 26-15/16" Wide x 24-1/8" High x 15" Deep, Pedestal Mount, Aluminum (NDCBU) Neighborhood Delivery And Collection Mail Box (National Mailboxes H16MNDCBU8) Note: Any door combination.	1,392.74	38.59
10 55 23 26-0012 EA 30-1/2" Wide x 62" High x 17-7/8" Deep, 8 Tenant Doors, 2 Parcel Lockers, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-8).....	1,966.67	38.59
10 55 23 26-0013 EA 30-1/2" Wide x 62" High x 17-7/8" Deep, 12 Tenant Doors, 1 Parcel Locker, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-12).....	2,025.21	38.59
10 55 23 26-0014 EA 30-1/2" Wide x 62" High x 17-7/8" Deep, 16 Tenant Doors, 2 Parcel Lockers, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-16).....	2,113.04	38.59
10 55 23 26-0015 Commercial 4C Mail Boxes (10 55 23 26) Note: Includes locks and keys unless provided by the United States Postal Service.		
10 55 23 26-0016 EA 31-9/16" Wide x 40-3/4" High x 17" Deep, 9 Doors, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11S-09).....	1,129.43	38.59
10 55 23 26-0017 EA 31-9/16" Wide x 40-3/4" High x 17" Deep, 15 Doors, 1 Parcel Locker, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11D-15).....	1,954.69	38.59
10 55 23 26-0018 EA 31-9/16" Wide x 40-3/4" High x 17" Deep, 19 Doors, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11D-19).....	2,024.95	38.59
10 55 26 Parcel Lockers (10 55)		
10 55 26 00-0001 Parcel Lockers (10 55 26)		
10 55 26 00-0002 EA 24" x 14" x 15" Deep, Aluminum Pedestal Mounted Parcel Locker Note: Two compartments.	876.19	28.94
10 55 26 00-0003 EA 48" x 16" x 18" Deep, Aluminum Pedestal Mounted Parcel Locker Note: Two compartments.	1,044.37	38.59
10 56 Storage Assemblies (10 56)		
10 56 13 Metal Storage Shelving (10 56)		
10 56 13 16 Post-And-Shelf Metal Storage Shelving (10 56 13)		
10 56 13 16-0001 Baked Enamel Steel Shelving (10 56 13 16)		
10 56 13 16-0002 7 Shelf Unit, 72" Or 87" High, Full Unit, Open Type (10 56 13 16-0001)		
10 56 13 16-0003 LF 75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 10" Wide Shelf For >75" To 87" High, Add	83.84 6.80	17.99
10 56 13 16-0004 LF 75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 12" Wide Shelf For >75" To 87" High, Add	84.80 6.80	18.89
10 56 13 16-0005 LF 75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 15" Wide Shelf For >75" To 87" High, Add	83.29 6.50	20.69
10 56 13 16-0006 LF 75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 18" Wide Shelf For >75" To 87" High, Add	102.65 8.32	22.49
10 56 13 16-0007 LF 75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 24" Wide Shelf For >75" To 87" High, Add	114.21 9.34	23.39
10 56 13 16-0008 LF 75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 30" Wide Shelf For >75" To 87" High, Add	111.78 8.97	25.19
10 56 13 16-0009 LF 75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 36" Wide Shelf For >75" To 87" High, Add	123.28 9.99	26.99
10 56 13 16-0010 3 Shelf Unit, 32" High Base Unit Only, Fully Enclosed (10 56 13 16-0001) Note: Adjustable shelves.		
10 56 13 16-0011 LF 32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 10" Wide Shelf.....	57.11	9.18
10 56 13 16-0012 LF 32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 12" Wide Shelf.....	57.05	9.80
10 56 13 16-0013 LF 32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 15" Wide Shelf.....	63.64	10.44
10 56 13 16-0014 LF 32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 18" Wide Shelf.....	66.34	11.06
10 56 13 16-0015 LF 32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 24" Wide Shelf.....	75.74	11.78
10 56 13 16-0016 4 Shelf Unit, 40" High Unit (10 56 13 16-0001)		
10 56 13 16-0017 LF 40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 10" Wide Shelf.....	69.63	17.99
10 56 13 16-0018 LF 40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 12" Wide Shelf.....	59.45	18.89
10 56 13 16-0019 LF 40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 15" Wide Shelf.....	67.51	20.69
10 56 13 16-0020 LF 40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 18" Wide Shelf.....	71.27	22.49
10 56 13 16-0021 LF 40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 24" Wide Shelf.....	80.43	23.39
10 56 16 Fabricated Wood Storage Shelving (10 56)		
10 56 16 00-0001 Shelving (10 56 16)		
10 56 16 00-0002 Built-In Wood Shelving (10 56 16 00-0001) Note: Priced by shelf area. Includes hardware and trim.		
10 56 16 00-0003 SF Built-in Wood Storage Shelving Post And Trimmed Plywood..... For Each SF Of Lumber Edge Band, Add For Each SF Of Prefinished Shelves, Add	16.63 0.69 2.32	2.43

10	Specialties
10 50	Storage Specialties
10 56	Storage Assemblies



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 16 00-0004 SF Built-in Wood Storage Shelving Post And Solid Clear Pine <i>For Each SF Of Lumber Edge Band, Add</i> <i>For Each SF Of Prefinished Shelves, Add</i>	17.91 0.69 2.32	2.92
10 56 16 00-0005 SF Built-in Wood Storage Shelving Closet Shelf Of Pine With Rod..... <i>For Each SF Of Lumber Edge Band, Add</i> <i>For Each SF Of Prefinished Shelves, Add</i>	18.06 0.69 2.32	4.86
10 56 16 00-0006 Wood Shelving, White Pine, Clear Grade, Wall Mounted <small>(10 56 16 00-0001)</small>		
10 56 16 00-0007 LF 1" x 8" White Pine Clear Grade Wood Shelving.....	14.44	5.83
10 56 16 00-0008 LF 1" x 10" White Pine Clear Grade Wood Shelving.....	15.71	6.22
10 56 16 00-0009 LF 1" x 12" White Pine Clear Grade Wood Shelving.....	17.14	6.70
10 56 16 00-0010 SF Wood Shelving, 2" White Pine Clear Grade.....	21.46	
10 56 16 00-0011 Plywood Shelf With Edge Band <small>(10 56 16 00-0001)</small>		
10 56 16 00-0012 LF 3/4" Plywood Shelf, 12" Wide With Edge Band.....	16.39	5.83
10 56 16 00-0013 LF 3/4" Plywood Shelf, 24" Wide With Edge Band.....	23.79	7.29
10 56 16 00-0014 Adjustable Shelf And Rod <small>(10 56 16 00-0001)</small>		
10 56 16 00-0015 EA 12" Wide Adjustable Shelf, 3' To 6' Long Including Rod	116.35	21.86
10 56 16 00-0016 EA 12" Wide Adjustable Shelf, 5' To 8' Long Including Rod	140.53	29.15
10 56 16 00-0017 Prefinished Wood Shelves With Brackets And Supports <small>(10 56 16 00-0001)</small>		
10 56 16 00-0018 LF Prefinished Wood Shelves, 8" Wide, With Brackets And Supports.....	14.96	5.83
10 56 16 00-0019 LF Prefinished Wood Shelves, 10" Wide, With Brackets And Supports.....	16.18	6.22
10 56 16 00-0020 SF Adjustable 3/4" Plastic Laminated Wood Shelves, Recessed Metal Standards.....	50.61	9.72
10 56 16 00-0021 Wood Shelving, Oak, Clear Grade, Wall Mounted <small>(10 56 16 00-0001)</small>		
10 56 16 00-0022 LF Wood Shelving, 1" X 8" Oak Clear Grade.....	16.17	9.13
10 56 17 Wall-Mounted Standards and Shelving <small>(10 56)</small>		
10 56 17 00-0001 Galvanized Steel, Wall Mounted Solid Shelving <small>(10 56 17)</small>		
Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0002 LF 8" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	55.77 2.61 3.87	9.65
10 56 17 00-0003 LF 10" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	57.54 2.61 3.87	9.65
10 56 17 00-0004 LF 12" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	61.62 2.61 3.87	9.65
10 56 17 00-0005 LF 16" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	66.89 2.61 3.87	9.65
10 56 17 00-0006 LF 18" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	68.20 2.61 3.87	9.65
10 56 17 00-0007 LF 24" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	79.50 2.61 3.87	9.65
10 56 17 00-0008 304 Stainless Steel, Wall Mounted Solid Shelving <small>(10 56 17)</small>		
Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0009 LF 8" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	87.81 2.61 3.87	9.65
10 56 17 00-0010 LF 10" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	95.81 2.61 3.87	9.65
10 56 17 00-0011 LF 12" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	103.85 2.61 3.87	9.65
10 56 17 00-0012 LF 16" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	122.32 2.61 3.87	9.65
10 56 17 00-0013 LF 18" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	133.26 2.61 3.87	9.65
10 56 17 00-0014 LF 24" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	149.05 2.61 3.87	9.65
10 56 17 00-0015 Laminated Particleboard, Wall Mounted Solid Shelving <small>(10 56 17)</small>		
Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		



Specialties	10	10
Storage Specialties	10 50	
Storage Assemblies	10 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 17 00-0016	LF		8" Depth, Laminated Particleboard, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	39.14 2.61 3.87	9.65
10 56 17 00-0017	LF		10" Depth, Laminated Particleboard, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	40.33 2.61 3.87	9.65
10 56 17 00-0018	LF		12" Depth, Laminated Particleboard, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	41.77 2.61 3.87	9.65
10 56 17 00-0019	LF		16" Depth, Laminated Particleboard, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	43.86 2.61 3.87	9.65
10 56 17 00-0020	LF		18" Depth, Laminated Particleboard, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	46.39 2.61 3.87	9.65
10 56 17 00-0021	LF		24" Depth, Laminated Particleboard, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	53.20 2.61 3.87	9.65
10 56 17 00-0022			Chrome Plated Steel, Wall Mounted Wire Shelving <small>(10 56 17)</small> Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0023	LF		14" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	54.66 2.61 3.87	9.65
10 56 17 00-0024	LF		18" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	60.81 2.61 3.87	9.65
10 56 17 00-0025			Stainless Steel, Wall Mounted Wire Shelving <small>(10 56 17)</small> Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0026	LF		14" Depth, Stainless Steel, Wall Mounted Wire Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	121.57 2.61 3.87	9.65
10 56 17 00-0027	LF		18" Depth, Stainless Steel, Wall Mounted Wire Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	126.29 2.61 3.87	9.65
10 56 17 00-0028			Prefinished Hardwood Plywood, Wall Mounted Solid Shelving <small>(10 56 17)</small> Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0029	LF		8" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	43.60 3.68 4.94	9.65
10 56 17 00-0030	LF		10" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	44.53 3.71 4.97	9.65
10 56 17 00-0031	LF		12" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	45.20 3.74 5.00	9.65
10 56 17 00-0032	LF		16" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	47.34 3.79 5.05	9.65
10 56 17 00-0033	LF		18" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	48.44 3.82 5.08	9.65
10 56 17 00-0034	LF		24" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	51.72 3.90 5.16	9.65
10 56 17 00-0035			Wall Mounted Shelving Accessories <small>(10 56 17)</small>		
10 56 17 00-0036	LF		Removal And Reinstallation Of Single Shelf Metal Storage Shelving Unit.....	29.44	
10 57			Wardrobe And Closet Specialties <small>(10 50)</small>		
10 57 13			Hat And Coat Racks <small>(10 57)</small>		
10 57 13 00-0001			Hat And Coat Rack <small>(10 57 13)</small>		
10 57 13 00-0002			Single Tier <small>(10 57 13 00-0001)</small>		
10 57 13 00-0003	LF		Single Tier Hat And Coat Rack Baked Enameled Steel..... <i>For Custom Made Units, Add</i>	42.37 17.75	4.82
10 57 13 00-0004	LF		Single Tier Hat And Coat Rack Stainless Steel..... <i>For Custom Made Units, Add</i>	38.68 15.54	4.82
10 57 13 00-0005	LF		Single Tier Hat And Coat Rack Aluminum..... <i>For Custom Made Units, Add</i>	80.73 40.77	4.82
10 57 13 00-0006			Double Tier <small>(10 57 13 00-0001)</small>		
10 57 13 00-0007	LF		Double Tier Hat And Coat Rack Baked Enameled Steel..... <i>For Custom Made Units, Add</i>	55.88 24.04	4.82

10 Specialties**10 50 Storage Specialties****10 57 Wardrobe And Closet Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 57 13 00-0008 LF Double Tier Hat And Coat Rack Stainless Steel..... <i>For Custom Made Units, Add</i>	43.86 16.83	4.82
10 57 13 00-0009 LF Double Tier Hat And Coat Rack Aluminum..... <i>For Custom Made Units, Add</i>	134.35 71.13	4.82
10 57 43 Wardrobe Units <small>(10 57)</small>		
10 57 43 00-0001 Dormitory Wardrobe Units <small>(10 57 43)</small>		
10 57 43 00-0002 EA 24" x 24" x 68" Hardwood Veneer Dormitory Wardrobe Unit With Door..... <i>For Custom Made Units, Add</i>	1,292.73 650.59	178.66
10 57 43 00-0003 EA 24" x 24" x 68" Plastic Laminate Dormitory Wardrobe Unit With Door..... <i>For Custom Made Units, Add</i>	1,017.96 485.72	178.66
10 70 Exterior Specialties <small>(10)</small>		
10 73 Protective Covers <small>(10 70)</small>		
10 73 13 Awnings <small>(10 73)</small>		
10 73 13 13 Metal Awnings <small>(10 73 13)</small>		
10 73 13 13-0001 Metal Awnings <small>(10 73 13 13)</small> Note: Includes metal cover, frame supports and anchoring.		
10 73 13 13-0002 SF Ribbed Aluminum Window Awnings, Clear Weather Resistant Finish.....	45.13	7.22
10 73 13 13-0003 SF Ribbed Aluminum Window Awning, Baked Enamel Finish.....	39.99	6.47
10 73 13 13-0004 SF Flat Roofed Steel Awning (Per SF Of Covered Area).....	105.56	7.51
10 73 13 13-0005 SF Arched Roofed Steel Awning (Per SF Of Covered Area).....	109.14	8.44
10 73 13 23 Fabric Awnings <small>(10 73 13)</small>		
10 73 13 23-0001 Canvas Awnings <small>(10 73 13 23)</small> Note: Includes minimum 12 oz. canvas, frame supports and anchoring.		
10 73 13 23-0002 SF Canvas Awning, Waterproof Fabric Tubular Metal Framing.....	43.51	6.37
10 73 13 23-0003 SF Side Protection Canvas For Walkways (Per SF Of Wall Area).....	24.22	2.06
10 73 13 23-0004 SF Replacement Canvas For Awnings..... Note: Includes removal of existing canvas cover. <i>For 18 Oz. Vinyl Laminated Polyester Cover, Add</i>	18.20 0.52	
10 73 16 Canopies <small>(10 73)</small>		
10 73 16 13 Metal Canopies <small>(10 73 16)</small>		
10 73 16 13-0001 Canopies, Wall Hung, Aluminum Framed And Covered, Prefinished <small>(10 73 16 13)</small> Note: Includes cover, frame supports and anchoring.		
10 73 16 13-0002 EA 8' x 10' Canopy, Aluminum, Wall Hung.....	4,099.35	410.48
10 73 16 13-0003 EA 8' x 20' Canopy, Aluminum, Wall Hung.....	7,484.06	656.94
10 73 16 13-0004 EA 10' x 10' Canopy, Aluminum, Wall Hung.....	5,055.77	513.61
10 73 16 13-0005 EA 10' x 20' Canopy, Aluminum, Wall Hung.....	8,976.83	686.81
10 73 26 Walkway Coverings <small>(10 73)</small> Note: Pre-engineered includes all framing and steel supports, integral gutter system. Excludes foundations.		
10 73 26 13 Metal Walkway Coverings <small>(10 73 26)</small>		
10 73 26 13-0001 Steel Walkway/Parking Covers <small>(10 73 26 13)</small> Note: Factory applied polyester finish.		
10 73 26 13-0002 SF Flat Roofed Steel Walkway/Parking Cover..... Note: Includes factory applied polyester finish. <i>For Snow Load (30 PSF), Add</i> <i>For Wind Load (140 MPH), Add</i>	53.89 16.87 21.09	5.85
10 73 26 13-0003 SF Arch Roofed Steel Walkway/Parking Cover..... Note: Includes factory applied polyester finish. <i>For Snow Load (30 PSF), Add</i> <i>For Wind Load (140 MPH), Add</i>	57.41 17.92 22.41	6.31
10 73 26 13-0004 Aluminum Walkway/Parking Covers <small>(10 73 26 13)</small>		
10 73 26 13-0005 SF Flat Roofed Aluminum Walkway/Parking Cover..... Note: Includes factory applied polyester finish. <i>For Snow Load (30 PSF), Add</i> <i>For Wind Load (140 MPH), Add</i>	38.93 10.89 13.61	5.85
10 73 26 13-0006 SF Arch Roofed Aluminum Walkway/Parking Cover..... Note: Includes factory applied polyester finish. <i>For Snow Load (30 PSF), Add</i> <i>For Wind Load (140 MPH), Add</i>	42.29 11.88 14.85	6.31
10 75 Flagpoles <small>(10 70)</small> Note: Metal bases are installed in a concrete base and fully rigged. Heights indicated are from ground to top of installed flag pole.		



Specialties	10	10
Exterior Specialties	10 70	
Flagpoles	10 75	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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Uninstalled lengths are longer. Includes top ball (color and material similar to pole), cleats and cleat cover, all caulking and sealants, and hoisting into place. Excludes excavation and concrete. See CSI section 10 75 16 00-0021 for bases.

10 75 16 Ground-Set Flagpoles (10 75)

10 75 16 00-0001 Free Standing Tapered Fiberglass Flagpoles (10 75 16)

10 75 16 00-0002	EA	25' Exposed Height, Tapered White Fiberglass Flagpole Note: 6" butt diameter, 3" top diameter and 0.180" wall.	2,754.26	728.53
		<i>For Internal Halyard, Cam System, Add</i>	300.00	
		<i>For Bronze Finish, Add</i>	20.00	
		<i>For Rope Lock Box, Add</i>	96.00	
10 75 16 00-0003	EA	30' Exposed Height, Tapered White Fiberglass Flagpole Note: 6-1/2" butt diameter, 3" top diameter and 0.180" wall.	2,949.67	794.77
		<i>For Internal Halyard, Cam System, Add</i>	300.00	
		<i>For Bronze Finish, Add</i>	50.00	
		<i>For Rope Lock Box, Add</i>	96.00	
10 75 16 00-0004	EA	35' Exposed Height, Tapered White Fiberglass Flagpole Note: 7" butt diameter, 3" top diameter and 0.200" wall.	3,686.09	927.23
		<i>For Internal Halyard, Cam System, Add</i>	300.00	
		<i>For Bronze Finish, Add</i>	10.00	
		<i>For Rope Lock Box, Add</i>	96.00	
10 75 16 00-0005	EA	40' Exposed Height, Tapered White Fiberglass Flagpole Note: 7" butt diameter, 3" top diameter and 0.200" wall.	4,271.31	1,059.70
		<i>For Internal Halyard, Cam System, Add</i>	300.00	
		<i>For Bronze Finish, Add</i>	50.00	
		<i>For Rope Lock Box, Add</i>	96.00	
10 75 16 00-0006	EA	50' Exposed Height, Tapered White Fiberglass Flagpole Note: 10" butt diameter, 4-1/2" top diameter and 0.275" wall.	7,643.16	1,192.16
		<i>For Internal Halyard, Winch System, Add</i>	1,700.00	
		<i>For Bronze Finish, Add</i>	200.00	
		<i>For Rope Lock Box, Add</i>	96.00	
10 75 16 00-0007	EA	60' Exposed Height, Tapered White Fiberglass Flagpole Note: 10-1/2" butt diameter, 4-1/2" top diameter and 0.300" wall.	9,063.65	1,324.61
		<i>For Internal Halyard, Winch System, Add</i>	1,900.00	
		<i>For Bronze Finish, Add</i>	160.00	
		<i>For Rope Lock Box, Add</i>	96.00	
10 75 16 00-0008	EA	70' Exposed Height, Tapered White Fiberglass Flagpole Note: 16" butt diameter, 7" top diameter and 0.325" wall.	15,308.53	1,457.08
		<i>For Internal Halyard, Winch System, Add</i>	2,860.00	
		<i>For Bronze Finish, Add</i>	700.00	
		<i>For Rope Lock Box, Add</i>	96.00	
10 75 16 00-0009	EA	78' Exposed Height, Tapered White Fiberglass Flagpole Note: 10-3/4" butt diameter, 7" top diameter and 0.350" wall.	19,724.48	1,589.54
		<i>For Internal Halyard, Winch System, Add</i>	2,900.00	
		<i>For Bronze Finish, Add</i>	900.00	
		<i>For Rope Lock Box, Add</i>	96.00	

10 75 16 00-0010 Free Standing Tapered Aluminum Flagpoles (10 75 16)

Note: Heavy duty.				
10 75 16 00-0011	EA	20' Exposed Height, Tapered Satin Aluminum Flagpole Note: 5" butt diameter, 3" top diameter and 0.188" wall.	2,090.56	662.31
		<i>For Internal Halyard, Winch System, Add</i>	570.00	
		<i>For Clear Anodized Finish, Add</i>	150.00	
		<i>For Bronze Anodized Finish, Add</i>	180.00	
		<i>For Black Anodized Finish, Add</i>	230.00	
		<i>For Rope Lock Box, Add</i>	96.00	
10 75 16 00-0012	EA	25' Exposed Height, Tapered Satin Aluminum Flagpole Note: 5-1/2" butt diameter, 3-1/2" top diameter and 0.188" wall.	2,448.71	728.53
		<i>For Internal Halyard, Winch System, Add</i>	1,100.00	
		<i>For Clear Anodized Finish, Add</i>	200.00	
		<i>For Bronze Anodized Finish, Add</i>	230.00	
		<i>For Black Anodized Finish, Add</i>	320.00	
		<i>For Rope Lock Box, Add</i>	96.00	
10 75 16 00-0013	EA	30' Exposed Height, Tapered Satin Aluminum Flagpole Note: 6" butt diameter, 3-1/2" top diameter and 0.188" wall.	2,708.78	794.77
		<i>For Internal Halyard, Winch System, Add</i>	1,390.00	
		<i>For Clear Anodized Finish, Add</i>	300.00	
		<i>For Bronze Anodized Finish, Add</i>	375.00	
		<i>For Black Anodized Finish, Add</i>	450.00	
		<i>For Rope Lock Box, Add</i>	96.00	
10 75 16 00-0014	EA	35' Exposed Height, Tapered Satin Aluminum Flagpole Note: 7" butt diameter, 3-1/2" top diameter and 0.188" wall.	3,385.86	927.23
		<i>For Internal Halyard, Winch System, Add</i>	1,340.00	
		<i>For Clear Anodized Finish, Add</i>	290.00	
		<i>For Bronze Anodized Finish, Add</i>	360.00	
		<i>For Black Anodized Finish, Add</i>	480.00	
		<i>For Rope Lock Box, Add</i>	96.00	
10 75 16 00-0015	EA	40' Exposed Height, Tapered Satin Aluminum Flagpole Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall.	4,128.32	1,059.70
		<i>For Internal Halyard, Winch System, Add</i>	1,490.00	
		<i>For Clear Anodized Finish, Add</i>	390.00	
		<i>For Bronze Anodized Finish, Add</i>	480.00	
		<i>For Black Anodized Finish, Add</i>	660.00	
		<i>For Rope Lock Box, Add</i>	96.00	

10	Specialties
10 70	Exterior Specialties
10 75	Flagpoles



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0016 EA 45' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall. <i>For Internal Halyard, Winch System, Add</i> 1,340.00 <i>For Clear Anodized Finish, Add</i> 400.00 <i>For Bronze Anodized Finish, Add</i> 500.00 <i>For Black Anodized Finish, Add</i> 700.00 <i>For Rope Lock Box, Add</i> 96.00	4,538.79	1,125.93
10 75 16 00-0017 EA 50' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 10" butt diameter, 4" top diameter and 0.188" wall. <i>For Internal Halyard, Winch System, Add</i> 1,380.00 <i>For Clear Anodized Finish, Add</i> 700.00 <i>For Bronze Anodized Finish, Add</i> 860.00 <i>For Black Anodized Finish, Add</i> 1,130.00 <i>For Rope Lock Box, Add</i> 96.00	5,557.44	1,192.16
10 75 16 00-0018 EA 60' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 12" butt diameter, 4" top diameter and 0.250" wall. <i>For Internal Halyard, Winch System, Add</i> 1,800.00 <i>For Clear Anodized Finish, Add</i> 620.00 <i>For Bronze Anodized Finish, Add</i> 820.00 <i>For Black Anodized Finish, Add</i> 1,160.00 <i>For Rope Lock Box, Add</i> 96.00	9,053.04	1,324.61
10 75 16 00-0019 EA 70' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 12" butt diameter, 4" top diameter and 0.250" wall. <i>For Internal Halyard, Winch System, Add</i> 1,720.00 <i>For Clear Anodized Finish, Add</i> 710.00 <i>For Bronze Anodized Finish, Add</i> 950.00 <i>For Black Anodized Finish, Add</i> 1,360.00 <i>For Rope Lock Box, Add</i> 96.00	9,913.21	1,457.08
10 75 16 00-0020 EA 80' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 12" butt diameter, 4" top diameter and 0.375" wall. <i>For Internal Halyard, Winch System, Add</i> 2,600.00 <i>For Clear Anodized Finish, Add</i> 1,100.00 <i>For Bronze Anodized Finish, Add</i> 1,380.00 <i>For Black Anodized Finish, Add</i> 1,840.00 <i>For Rope Lock Box, Add</i> 96.00	12,244.79	1,589.54
10 75 16 00-0021 Flagpole Bases <small>(10 75 16)</small>		
10 75 16 00-0022 Flagpole Concrete Base <small>(10 75 16 00-0021)</small> Note: Includes excavation, forms where necessary, steel casing and reinforcing, metal collar installation, base plate, sand fill, ground spike, concrete and finishing of concrete.		
10 75 16 00-0023 EA 30' Or Less Flagpole, Poured Concrete Foundation.....	1,161.48	
10 75 16 00-0024 EA 35' Flagpole, Poured Concrete Foundation.....	1,201.26	
10 75 16 00-0025 EA 40' Flagpole, Poured Concrete Foundation.....	1,381.59	
10 75 16 00-0026 EA 45' Flagpole, Poured Concrete Foundation.....	1,461.67	
10 75 16 00-0027 EA 50' Flagpole, Poured Concrete Foundation.....	1,751.75	
10 75 16 00-0028 EA 60' Flagpole, Poured Concrete Foundation.....	2,121.91	
10 75 16 00-0029 EA 70' Flagpole, Poured Concrete Foundation.....	2,511.47	
10 75 16 00-0030 EA 80' Flagpole, Poured Concrete Foundation.....	2,923.47	
10 75 16 00-0031 EA 90' To 100' Flagpole, Poured Concrete Foundation.....	3,412.11	
10 75 16 00-0032 Direct Embedded Flagpole Base <small>(10 75 16 00-0021)</small> Note: Augured in place, no concrete required.		
10 75 16 00-0033 EA 20' To 25' Flagpole, Direct Embedded Pole Base.....	537.51	
10 75 16 00-0034 EA 30' To 40' Flagpole, Direct Embedded Pole Base.....	771.59	
10 75 16 00-0035 EA 45' To 55' Flagpole, Direct Embedded Pole Base.....	861.27	
10 75 16 00-0036 EA 60' To 70' Flagpole, Direct Embedded Pole Base.....	970.25	
10 75 16 00-0037 Flagpole Accessories <small>(10 75 16)</small>		
10 75 16 00-0038 Flagpole Tops <small>(10 75 16 00-0037)</small> Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.		
10 75 16 00-0039 EA 4" Gold Anodized Aluminum Ball For Top Of Flagpole.....	100.33	41.02
10 75 16 00-0040 EA 5" Gold Anodized Aluminum Ball For Top Of Flagpole.....	108.43	43.43
10 75 16 00-0041 EA 6" Gold Anodized Aluminum Ball For Top Of Flagpole.....	119.15	45.83
10 75 16 00-0042 EA 8" Gold Anodized Aluminum Ball For Top Of Flagpole.....	146.20	48.25
10 75 16 00-0043 EA 10" Gold Anodized Aluminum Ball For Top Of Flagpole.....	182.41	50.66
10 75 16 00-0044 EA 12" Gold Anodized Aluminum Ball For Top Of Flagpole.....	200.98	53.07
10 75 16 00-0045 EA 11-1/4" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish.....	187.25	53.07
10 75 16 00-0046 EA 15" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish.....	216.76	60.31
10 75 16 00-0047 Flagpole Accessories <small>(10 75 16 00-0037)</small> Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.		
10 75 16 00-0048 LF 5/16" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles.....	0.81	0.07
10 75 16 00-0049 LF 5/16" Diameter, Solid Braided Multifilament Polypropylene Halyard (Rope) For Flagpoles.....	0.42	0.07
10 75 16 00-0050 LF 5/16" Diameter, Nylon Halyard (Rope) For Flagpoles.....	0.33	0.07
10 75 16 00-0051 LF 3/8" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles.....	1.08	0.07
10 75 16 00-0052 EA Refinish Existing Flagpole Ball.....	318.05	120.59
10 75 16 00-0053 EA Locking Aluminum Cleat Box For Flagpoles.....	225.85	72.36
10 75 16 00-0054 EA Aluminum Cleat For Flagpoles.....	17.96	4.82



Specialties	10	10
Exterior Specialties	10 70	
Flagpoles	10 75	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0055 LF 1/8" Diameter, 7x7 Galvanized Wire Rope For Flagpoles.....	0.54	0.09
10 75 23 Wall-Mounted Flagpoles (10 75)		
10 75 23 00-0001 Vertical, Wall/Roof Mounted Tapered Aluminum Flagpoles (10 75 23)		
Note: Includes aluminum brackets, 3" butt diameter and 0.125" wall.		
10 75 23 00-0002 EA 14' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole, Satin Finish.....	1,534.70	580.97
For Clear Anodized Finish, Add		
For Bronze Anodized Finish, Add		
For Black Anodized Finish, Add		
For Rope Lock Box, Add		
10 75 23 00-0003 EA 17' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole, Satin Finish.....	1,670.51	639.07
For Clear Anodized Finish, Add		
For Bronze Anodized Finish, Add		
For Black Anodized Finish, Add		
For Rope Lock Box, Add		
10 75 23 00-0004 EA 20' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole, Satin Finish.....	1,812.87	697.16
For Clear Anodized Finish, Add		
For Bronze Anodized Finish, Add		
For Black Anodized Finish, Add		
For Rope Lock Box, Add		
10 75 23 00-0005 EA 25' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole, Satin Finish.....	2,104.11	813.36
For Clear Anodized Finish, Add		
For Bronze Anodized Finish, Add		
For Black Anodized Finish, Add		
For Rope Lock Box, Add		
10 75 23 00-0006 Outrigger, Wall Mounted Tapered Aluminum Flagpoles (10 75 23)		
Note: Includes aluminum base, 3-1/2" butt diameter and 0.125" wall.		
10 75 23 00-0007 EA 10' (3.0 m) Outrigger, Tapered Aluminum Flagpole, Satin Finish	1,856.65	522.88
For Rope Lock Box, Add		
10 75 23 00-0008 EA 15' (4.6 m) Outrigger, Tapered Aluminum Flagpole, Satin Finish	2,012.09	580.97
For Rope Lock Box, Add		
10 75 23 00-0009 EA 20' (6.1 m) Outrigger, Tapered Aluminum Flagpole, Satin Finish	2,270.63	697.16
For Rope Lock Box, Add		
10 80 Other Specialties (10)		
10 81 Pest Control Devices (10 80)		
10 81 13 Bird Control Devices (10 81)		
10 81 13 00-0001 Stainless Steel Spiked Bird Barrier (10 81 13)		
Note: Stainless steel spikes with flexible polycarbonate base.		
10 81 13 00-0002 LF 2-1/2" To 3" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System.....	6.31	0.77
10 81 13 00-0003 LF 4-1/2" To 5" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System.....	7.61	0.77
10 81 13 00-0004 LF 8" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	11.10	0.77
10 81 13 00-0005 Polycarbonate Spiked Bird Barrier (10 81 13)		
Note: Polycarbonate spikes and base.		
10 81 13 00-0006 LF 3" Wide Polycarbonate Spikes And Base Bird Deterrent System	5.85	0.77
10 81 13 00-0007 LF 5" Wide Polycarbonate Spikes And Base Bird Deterrent System	7.09	0.77
10 81 13 00-0008 LF 8" Wide Polycarbonate Spikes And Base Bird Deterrent System	8.48	0.77
10 81 13 00-0009 Spiked Gutter Or Girder Bird Barrier (10 81 13)		
Note: Stainless steel spikes with flexible polycarbonate base mounted to gutter or girder. Includes aluminum clamps.		
10 81 13 00-0010 LF Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System For Gutter Or Girder Application	6.56	0.77
10 81 13 00-0011 Coil Bird Barrier (10 81 13)		
Note: Stainless steel coil.		
10 81 13 00-0012 LF 4" Diameter Stainless Steel Coil Bird Deterrent System.....	4.82	0.77
10 81 13 00-0013 LF 5" Diameter Stainless Steel Coil Bird Deterrent System	5.62	0.77
10 81 13 00-0014 Spider Bird Barrier (10 81 13)		
Note: Stainless steel arms with various bases.		
10 81 13 00-0015 EA 2" Diameter Stainless Steel Spider Bird Deterrent System	89.63	0.77
10 81 13 00-0016 EA 4" Diameter Stainless Steel Spider Bird Deterrent System	129.89	0.77
10 81 13 00-0017 EA 8" Diameter Stainless Steel Spider Bird Deterrent System	161.90	0.77
10 81 13 00-0018 Oriented Flexible Flame Resistant Netting (10 81 13)		
Note: Includes stainless steel rings and plastic ties.		
10 81 13 00-0019 SF 1/8" x 1/8" Mesh Flexible Polypropylene Netting	0.68	0.28
Note: To control bird and marine predators.		

10 Specialties

10 80 Other Specialties

10 81 Pest Control Devices



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 81	13 00-0020	SF	1/4" x 1/4" Mesh Flexible Polypropylene Netting..... Note: To control bird and marine predators.	0.67	0.28
10 81	13 00-0021	SF	1/2" x 1/2" Mesh Flexible Polypropylene Netting..... Note: To control bird and marine predators.	0.65	0.28
10 81	13 00-0022	SF	3/4" x 3/4" Mesh Flexible Polypropylene Netting..... Note: To control bird and marine predators.	0.64	0.28
10 81	13 00-0023	SF	1" x 1" Mesh Flexible Polypropylene Netting..... Note: To control bird and marine predators.	0.64	0.28
10 81	13 00-0024	SF	1-1/8" x 1-1/8" Mesh Flexible Polypropylene Netting..... Note: To control bird and marine predators.	0.63	0.28
10 81	13 00-0025	SF	2" x 2" Mesh Flexible Polypropylene Netting..... Note: To control bird and marine predators.	0.62	0.28
10 81	13 00-0026	SF	3" x 3" Mesh Flexible Polypropylene Netting..... Note: To control bird and marine predators.	0.62	0.28
10 81	13 00-0027	SF	4" x 4" Mesh Flexible Polypropylene Netting..... Note: To control bird and marine predators.	0.61	0.28
10 81	13 00-0028	SF	5/8" x 3/4" Mesh Flexible Polypropylene Netting..... Note: To control bird and marine predators.	0.65	0.28
10 81	13 00-0029	SF	1-1/4" x 1-1/2" Mesh Flexible Polypropylene Netting..... Note: To control bird and marine predators.	0.63	0.28
10 81	13 00-0030	EA	Poly Clips For Flexible Netting.....	2.25	
10 81 13 00-0031 Netting Accessories (10 81 13)					
10 81	13 00-0032	EA	2' Zipper For Flexible Netting.....	5.03	
10 81	13 00-0033	EA	4' Zipper For Flexible Netting.....	7.58	
10 81	13 00-0034	EA	6' Zipper For Flexible Netting.....	8.91	
10 81	13 00-0035	EA	8' Zipper For Flexible Netting.....	12.67	
10 81 16 Insect Control Devices (10 81)					
10 81 16 00-0001 Insect Screening (10 81 16)					
10 81	16 00-0002	CSF	17/14 Mesh Insect Screening With Flat Screen Splines.....	81.27	
10 86 Security Mirrors And Domes (10 86)					
10 86 00 00-0001 Dome Mirrors (10 86)					
Note: Includes all mounting hardware. Indoor or outdoor applications.					
10 86 00 00-0002 Steel Dome Mirrors (10 86 00 00-0001)					
10 86	00 00-0003	EA	9" Diameter Full-Dome Steel Dome Mirror.....	185.02	19.30
10 86	00 00-0004	EA	12" Diameter Full-Dome Steel Dome Mirror.....	216.23	20.26
10 86	00 00-0005	EA	18" Diameter Full-Dome Steel Dome Mirror.....	249.38	22.19
10 86	00 00-0006	EA	24" Diameter Full-Dome Steel Dome Mirror.....	329.63	24.12
10 86	00 00-0007	EA	9" Diameter Half-Dome Steel Dome Mirror.....	132.84	14.48
10 86	00 00-0008	EA	12" Diameter Half-Dome Steel Dome Mirror.....	152.60	15.44
10 86	00 00-0009	EA	18" Diameter Half-Dome Steel Dome Mirror.....	177.65	16.88
10 86	00 00-0010	EA	24" Diameter Half-Dome Steel Dome Mirror.....	244.20	18.33
10 86 00 00-0011 Plexiglas Dome Mirrors (10 86 00 00-0001)					
10 86	00 00-0012	EA	18" Diameter Full-Dome Plexiglas Dome Mirror.....	148.16	22.19
10 86	00 00-0013	EA	26" Diameter Full-Dome Plexiglas Dome Mirror.....	204.85	24.12
10 86	00 00-0014	EA	32" Diameter Full-Dome Plexiglas Dome Mirror.....	268.59	27.98
10 86	00 00-0015	EA	36" Diameter Full-Dome Plexiglas Dome Mirror.....	324.74	33.78
10 86	00 00-0016	EA	48" Diameter Full-Dome Plexiglas Dome Mirror.....	473.37	48.25
10 86	00 00-0017	EA	18" Diameter Half-Dome Plexiglas Dome Mirror.....	92.73	16.88
10 86	00 00-0018	EA	26" Diameter Half-Dome Plexiglas Dome Mirror.....	122.36	18.33
10 86	00 00-0019	EA	32" Diameter Half-Dome Plexiglas Dome Mirror.....	159.47	21.23
10 86	00 00-0020	EA	36" Diameter Half-Dome Plexiglas Dome Mirror.....	196.28	25.57
10 86	00 00-0021	EA	48" Diameter Half-Dome Plexiglas Dome Mirror.....	309.20	36.19
10 86	00 00-0022	EA	18" Diameter Quarter-Dome Plexiglas Dome Mirror.....	62.05	14.48
10 86	00 00-0023	EA	26" Diameter Quarter-Dome Plexiglas Dome Mirror.....	78.07	15.92
10 86	00 00-0024	EA	32" Diameter Quarter-Dome Plexiglas Dome Mirror.....	100.77	17.85
10 86	00 00-0025	EA	36" Diameter Quarter-Dome Plexiglas Dome Mirror.....	124.96	21.23
10 86	00 00-0026	EA	48" Diameter Quarter-Dome Plexiglas Dome Mirror.....	204.18	30.16
10 86 00 00-0027 Coated Plexiglas Dome Mirrors (10 86 00 00-0001)					
10 86	00 00-0028	EA	18" Diameter Full-Dome Coated Plexiglas Dome Mirror.....	174.26	22.19
10 86	00 00-0029	EA	26" Diameter Full-Dome Coated Plexiglas Dome Mirror.....	263.42	24.12
10 86	00 00-0030	EA	36" Diameter Full-Dome Coated Plexiglas Dome Mirror.....	441.87	33.78
10 86	00 00-0031	EA	48" Diameter Full-Dome Coated Plexiglas Dome Mirror.....	678.35	48.25
10 86	00 00-0032	EA	18" Diameter Half-Dome Coated Plexiglas Dome Mirror.....	114.63	16.88
10 86	00 00-0033	EA	26" Diameter Half-Dome Coated Plexiglas Dome Mirror.....	166.54	18.33
10 86	00 00-0034	EA	36" Diameter Half-Dome Coated Plexiglas Dome Mirror.....	261.22	25.57
10 86	00 00-0035	EA	48" Diameter Half-Dome Coated Plexiglas Dome Mirror.....	428.88	36.19
10 86	00 00-0036	EA	18" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	84.59	14.48
10 86	00 00-0037	EA	26" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	116.01	15.92
10 86	00 00-0038	EA	32" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	148.64	17.85



Specialties	10
Other Specialties	10 80
Security Mirrors And Domes	10 86

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 86 00 00-0039 EA 36" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	190.15	21.23
10 86 00 00-0040 EA 48" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	295.85	30.16
10 86 00 00-0041 Circular Convex Security Mirrors (10 86)		
Note: Includes all mounting hardware.		
10 86 00 00-0042 Plexiglas Circular Convex Mirrors (10 86 00 00-0041)		
Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.		
10 86 00 00-0043 EA 12" Diameter Plexiglas Circular Convex Mirrors, Indoor	66.53	15.44
10 86 00 00-0044 EA 18" Diameter Plexiglas Circular Convex Mirrors, Indoor	84.58	16.88
10 86 00 00-0045 EA 26" Diameter Plexiglas Circular Convex Mirrors, Indoor	123.76	18.33
10 86 00 00-0046 EA 30" Diameter Plexiglas Circular Convex Mirrors, Indoor	153.61	21.23
10 86 00 00-0047 EA 36" Diameter Plexiglas Circular Convex Mirrors, Indoor	202.65	25.57
10 86 00 00-0048 EA 48" Diameter Plexiglas Circular Convex Mirrors, Indoor	352.48	36.19
10 86 00 00-0049 EA 18" Diameter Plexiglas Circular Convex Mirrors, Outdoor	106.10	16.88
10 86 00 00-0050 EA 26" Diameter Plexiglas Circular Convex Mirrors, Outdoor	149.22	18.33
10 86 00 00-0051 EA 36" Diameter Plexiglas Circular Convex Mirrors, Outdoor	212.84	25.57
10 86 00 00-0052 EA 48" Diameter Plexiglas Circular Convex Mirrors, Outdoor	383.04	36.19
10 86 00 00-0053 Coated Plexiglas Circular Convex Mirrors (10 86 00 00-0041)		
Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.		
10 86 00 00-0054 EA 18" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	125.96	16.88
10 86 00 00-0055 EA 26" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	193.27	18.33
10 86 00 00-0056 EA 30" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	257.63	21.23
10 86 00 00-0057 EA 36" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	321.06	25.57
10 86 00 00-0058 EA 48" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	465.80	36.19
10 86 00 00-0059 EA 18" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	149.26	16.88
10 86 00 00-0060 EA 26" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	226.38	18.33
10 86 00 00-0061 EA 30" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	312.38	21.23
10 86 00 00-0062 EA 36" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	354.16	25.57
10 86 00 00-0063 EA 48" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	558.74	36.19
10 86 00 00-0064 Security Mirrors (10 86)		
10 86 00 00-0065 EA 8" x 10" Framed Stainless Steel Mirror With Mounting Plate	79.12	29.71
10 86 00 00-0066 EA 10" x 14" Framed Stainless Steel Mirror With Mounting Plate	84.81	29.71
10 86 00 00-0067 EA 16" x 20" Unframed Stainless Steel Mirror With Mounting Screws	125.16	24.76
10 86 00 00-0068 EA 8" x 10" Framed Stainless Steel Replacement Mirror	75.96	29.71
10 86 00 00-0069 EA 10" x 14" Framed Stainless Steel Replacement Mirror	107.12	29.71

END OF SECTION 10

10	10	Specialties
	10 80	Other Specialties
	10 86	Security Mirrors And Domes



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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Equipment	11	
Operation And Maintenance Of Equipment	11 01	11
Operation And Maintenance Of Vehicle And Pedestrian Equipment	11 01 10	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 Equipment

11 01 Operation And Maintenance Of Equipment ⁽¹¹⁾

11 01 10 Operation And Maintenance Of Vehicle And Pedestrian Equipment ^(11 01)

11 01 10 13 Operation And Maintenance Of Parking Equipment ^(11 01 10)

11 01 10 13-0001	Replacement Parking Equipment ^(11 01 10 13)		
11 01 10 13-0002	EA 10' Wood Arm Replacement With Bolts.....	345.09	
11 01 10 13-0003	EA 12' Wood Arm Replacement With Bolts.....	361.67	
11 01 10 13-0004	EA 14' Wood Arm Replacement With Bolts.....	380.50	
11 01 10 13-0005	EA 12' Aluminum Arm Replacement With Bolts.....	502.31	
11 01 10 13-0006	EA 14' Aluminum Arm Replacement With Bolts.....	520.03	
11 01 10 13-0007	EA 16' Aluminum Arm Replacement With Bolts.....	734.64	
11 01 10 13-0008	EA 18' Aluminum Arm Replacement With Bolts.....	746.09	
11 01 10 13-0009	EA 20' Aluminum Arm Replacement With Bolts.....	767.25	
11 01 10 13-0010	EA 22' Aluminum Arm Replacement With Bolts.....	881.44	
11 01 10 13-0011	EA 24' Aluminum Arm Replacement With Bolts.....	896.63	

11 10 Vehicle And Pedestrian Equipment ⁽¹¹⁾

11 11 Vehicle Service Equipment ^(11 10)

11 11 19 Vehicle Lubrication Equipment ^(11 11)

11 11 19 00-0001	Reels ^(11 11 19)		
11 11 19 00-0002	EA 1/4" x 50' Hose, Grease Reel (Alemite 8078-B).....	725.07	114.67
11 11 19 00-0003	EA 1/2" x 50' Hose, Oil Reel (Alemite 8078-D).....	709.32	114.67
11 11 19 00-0004	EA 3/8" x 50' Hose, Air Or Water Reel (Alemite 8078-F).....	632.55	114.67
11 11 19 00-0005	EA 1/2" x 50' Hose, Air Or Water Reel (Alemite 8078-M).....	693.87	114.67

11 11 19 00-0006 Air Operated Powered Pumps ^(11 11 19)

Note: Excludes air compressor.			
11 11 19 00-0007	EA 1", Oil, Air Operated Diaphragm Pump (Alemite 8323).....	1,073.50	152.90
11 11 19 00-0008	EA 1", Antifreeze, Air Operated Diaphragm Pump (Alemite 8325).....	1,177.14	152.90
Note: UL listed.			
11 11 19 00-0009	EA 5:1 Air Operated Oil Pump (Alemite 9968).....	968.54	152.90
11 11 19 00-0010	EA 50:1 High Pressure Grease Pump For 400 LB Drum (Alemite 9979-A).....	1,035.94	76.45
Note: Includes pump, drum cover and follower plate.			

11 11 19 00-0011 Pumping Unit Accessories ^(11 11 19)

11 11 19 00-0012	EA Rigid Extension, Digital Oil Meter (Alemite 3670).....	367.22	28.66
11 11 19 00-0013	EA Flexible Extension, Digital Meter (Alemite 3671).....	367.22	28.66
11 11 19 00-0014	EA Manual, Non-Drip Tip, Flexible, Digital Oil Meter (Alemite 3671-B).....	367.22	28.66
11 11 19 00-0015	EA Grease Control Handle (Alemite 6320-A).....	209.97	28.66
11 11 19 00-0016	EA 150 PSI Filter/Regulator (Alemite 7936).....	124.38	28.66
11 11 19 00-0017	EA Z Type Grease Swivel (Alemite B331107).....	74.45	9.55
11 11 19 00-0018	EA Suction Hose Assembly (Parker T605-84).....	185.93	38.22
11 11 19 00-0019	EA Unistrut Reel Brackets.....	142.83	7.64
11 11 19 00-0020	EA Large, Diaphragm Pump, Wall Mount Bracket (Alemite 343173).....	207.87	28.66

11 11 36 Vehicle Charging Equipment ^(11 11)

11 11 36 13 Commercial Electric Vehicle Charging Unit ^(11 11 36)

11 11 36 13-0001 Electric Vehicle Charging Stations (GE) ^(11 11 36 13)

Note: Available with RFID (Radio Frequency Identification) reader.			
11 11 36 13-0002	EA Single Pedestal Electric Vehicle Charging Station Without RFID (GE EVSN3).....	2,495.02	123.50
Note: 208 to 240 volt, 30 amp, 1 phase.			
11 11 36 13-0003	EA Double Pedestal Electric Vehicle Charging Station Without RFID (GE EVDN3).....	4,363.19	164.67
Note: 208 to 240 volt, 30 amp, 1 phase.			
11 11 36 13-0004	EA Single Pedestal Electric Vehicle Charging Station With RFID (GE EVSRN3).....	4,494.80	123.50
Note: 208 to 240 volt, 30 amp, 1 phase.			
11 11 36 13-0005	EA Double Pedestal Electric Vehicle Charging Station With RFID (GE EVDRN3).....	7,620.08	164.67
Note: 208 to 240 volt, 30 amp, 1 phase.			
11 11 36 13-0006	EA Single Pole Mounted Electric Vehicle Charging Station Without RFID (GE EVPN3).....	2,122.96	61.75
Note: 208 to 240 volt, 30 amp, 1 phase. Excludes pole.			
11 11 36 13-0007	EA Single Pole Mounted Electric Vehicle Charging Station With RFID (GE EVPRN3).....	4,047.78	61.75
Note: 208 to 240 volt, 30 amp, 1 phase. Excludes pole.			
11 11 36 13-0008	EA Single Wall Mounted Electric Vehicle Charging Station Without RFID (GE EVWN3).....	2,080.23	82.33
Note: 208 to 240 volt, 30 amp, 1 phase.			
11 11 36 13-0009	EA Single Wall Mounted Electric Vehicle Charging Station With RFID (GE EVWRN3).....	3,930.07	82.33
Note: 208 to 240 volt, 30 amp, 1 phase.			

11	11 Equipment
	11 10 Vehicle And Pedestrian Equipment
	11 11 Vehicle Service Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 11 36 13-0010	Electric Vehicle Charging Stations (AeroVironment) <small>(11 11 36 13)</small> Note: Can be configured as Level 1 (16 Amps, 120 VAC) or Level 2 (16 Amps, 240 VAC).		
11 11 36 13-0011 EA	Module Electric Vehicle Charging Station (AeroVironment TurboDock Module).....	1,649.53	41.16
	Note: Includes charging station only. Excludes mounting bracket or pedestal.		
11 11 36 13-0012 EA	Single Wall Mount Electric Vehicle Charging Station (AeroVironment TurboDock Wall Mount)	2,384.60	82.33
	Note: Includes charging station(s) and wall mounting bracket that can hold up to two charging modules.		
11 11 36 13-0013 EA	Dual Wall Mount Electric Vehicle Charging Station (AeroVironment TurboDock Wall Mount)	3,951.79	102.92
	Note: Includes charging station(s) and wall mounting bracket that can hold up to two charging modules.		
11 11 36 13-0014 EA	Single Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal)	2,549.25	123.50
	Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.		
11 11 36 13-0015 EA	Dual Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal)	4,116.45	144.09
	Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.		
11 11 36 13-0016 EA	Triple Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal)	5,683.64	164.67
	Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.		
11 11 36 13-0017 EA	Quad Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal).....	7,250.84	185.25
	Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.		

11 11 36 13-0018	Electric Vehicle Charging Stations (Leviton) <small>(11 11 36 13)</small>		
11 11 36 13-0019 EA	Single Port, Electric Vehicle Charging Station, Gateway (Leviton evr-green® 4000 CPHG1-000).....	3,007.87	82.33
	Note: 208 to 240 volt, 30 amp, 1 phase.		
	For Bollard Body (Leviton CPMBX-000), Add	1,908.70	
	For Bollard Cap (Leviton CPCAP-B), Add	175.41	
	For Wall Mounting Body (Leviton CPMEEX-000), Add	1,319.17	
	For Wall Mounting Cap (Leviton CPCAP-W), Add	175.41	
	For Cord Management Kit (Leviton CPCBX-000), Add	1,202.93	
11 11 36 13-0020 EA	Single Port, Electric Vehicle Charging Station, Non-Gateway LAN (Leviton evr-green® 4000 CPHD1-000)	2,407.83	82.33
	Note: 208 to 240 volt, 30 amp, 1 phase.		
	For Bollard Body (Leviton CPMBX-000), Add	1,908.70	
	For Bollard Cap (Leviton CPCAP-B), Add	175.41	
	For Wall Mounting Body (Leviton CPMEEX-000), Add	1,319.17	
	For Wall Mounting Cap (Leviton CPCAP-W), Add	175.41	
	For Cord Management Kit (Leviton CPCBX-000), Add	1,202.93	
11 11 36 13-0021 EA	Dual Port, Electric Vehicle Charging Station, Gateway (Leviton evr-green® 4000 CPHG2-000).....	5,881.07	102.92
	Note: 208 to 240 volt, 30 amp, 1 phase.		
	For Bollard Body (Leviton CPMBX-000), Add	1,908.70	
	For Bollard Cap (Leviton CPCAP-B), Add	175.41	
	For Wall Mounting Body (Leviton CPMEEX-000), Add	1,319.17	
	For Wall Mounting Cap (Leviton CPCAP-W), Add	175.41	
	For Cord Management Kit (Leviton CPCBX-000), Add	1,202.93	
11 11 36 13-0022 EA	Dual Port, Electric Vehicle Charging Station, Gateway (Leviton evr-green® 4000 CPHD2-000).....	5,279.09	102.92
	Note: 208 to 240 volt, 30 amp, 1 phase.		
	For Bollard Body (Leviton CPMBX-000), Add	1,908.70	
	For Bollard Cap (Leviton CPCAP-B), Add	175.41	
	For Wall Mounting Body (Leviton CPMEEX-000), Add	1,319.17	
	For Wall Mounting Cap (Leviton CPCAP-W), Add	175.41	
	For Cord Management Kit (Leviton CPCBX-000), Add	1,202.93	
11 11 36 13-0023 EA	Bollard Mounting Body For Charging Station (Leviton CPMBX-000)	2,238.04	123.50
	For Cap, Add	175.41	
11 11 36 13-0024 EA	Wall Mounting Body For Charging Station (Leviton CPMEEX-000)	1,648.51	123.50
	For Cap, Add	175.41	
11 11 36 13-0025 EA	Cord Management Kit For Charging Station (Leviton CPCBX-000).....	1,367.60	82.33
	For Cap, Add	175.41	

11 12 Parking Control Equipment (11 12)

11 12 16	Parking Ticket Dispensers <small>(11 12)</small>		
11 12 16 00-0001	Parking Ticket Dispensers <small>(11 12 16)</small>		
11 12 16 00-0002 EA	Standard Parking Ticket Dispenser With Printer	6,614.84	173.95
11 12 16 00-0003 EA	Rate Computing Parking Ticket Dispenser With Printer.....	8,836.56	173.95

11 12 23 Parking Meters (11 12)

11 12 23 00-0001	Parking Meters <small>(11 12 23)</small>		
11 12 23 00-0002 EA	Removal Of Parking Meter For Replacement Or Reinstall Existing Meter	164.77	

11 12 26 Parking Fee Collection Equipment (11 12)

11 12 26 13 Parking Fee Coin Collection Equipment (11 12 26)

11 12 26 13-0001	Parking Fee Collection Equipment <small>(11 12 26 13)</small>		
11 12 26 13-0002 EA	Multiple Station Slot Box For Parking Fee Collection.....	1,592.06	58.95

11 12 33 Parking Gates (11 12)

11 12 33 13 Lift Arm Parking Gates (11 12 33)

11 12 33 13-0001	Barrier Parking Gate Operators <small>(11 12 33 13)</small>		
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Equipment	11	
Vehicle And Pedestrian Equipment	11 10	11
Parking Control Equipment	11 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 12 33 13-0002 Barrier Parking Gate Operators <small>(11 12 33 13-0001)</small>		
Note: Includes operator and barrier arm. Excludes access controls and concrete foundation.		
11 12 33 13-0003 EA 12' Plastic Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	3,568.50	241.25
For 230/460 Volt AC, Add		
	322.50	
11 12 33 13-0004 EA 14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	3,555.95	241.25
For 230/460 Volt AC, Add		
	322.50	
11 12 33 13-0005 EA 14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	3,714.83	241.25
For 230/460 Volt AC, Add		
	322.50	
11 12 33 13-0006 EA 20' Three Piece Wood Arm, 1 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1602-080)	5,283.97	241.25
For 230/460 Volt AC, Add		
	322.50	
11 12 33 13-0007 EA 14' Wood Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD)	5,038.61	241.25
11 12 33 13-0008 EA 14' Aluminum Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD)	5,289.48	241.25
11 12 33 13-0009 Barrier Parking Gate Operators With Tire Shredding Traffic Control Spikes <small>(11 12 33 13-0001)</small>		
Note: Includes operator, barrier arm and tire shredding traffic control spikes. Excludes access controls and concrete foundation.		
11 12 33 13-0010 EA 14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	10,884.67	482.51
11 12 33 13-0011 EA 14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	12,737.24	482.51
11 12 33 13-0012 EA 14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	10,978.74	482.51
11 12 33 13-0013 EA 14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	12,831.32	482.51
11 12 33 13-0014 Barrier Parking Gate Operator Accessories <small>(11 12 33 13-0001)</small>		
11 12 33 13-0015 EA 12' Plastic Replacement Arm For Barrier Parking Gate Operators	139.60	17.53
11 12 33 13-0016 EA 14' Wood Replacement Arm For Barrier Parking Gate Operators	127.05	17.53
11 12 33 13-0017 EA 14' Aluminum Replacement Arm For Barrier Parking Gate Operators	285.94	17.53
11 12 33 13-0018 EA 20' Three Piece Wood Replacement Arm For Barrier Parking Gate Operators	427.05	17.53
11 12 33 13-0019 EA Folding Wood Replacement Arm For Barrier Parking Gate Operators	390.46	17.53
11 12 33 13-0020 EA Folding Plastic Replacement Arm For Barrier Parking Gate Operators	390.46	17.53
11 12 33 13-0021 EA Folding Aluminum Replacement Arm For Barrier Parking Gate Operators	474.09	17.53
11 12 33 13-0022 EA Heater Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-092)	445.57	105.20
11 12 33 13-0023 EA Fan Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-093)	445.57	105.20
11 12 33 13-0024 EA Single Channel Detector Loop For Barrier Parking Gate Operators (DKS™ DoorKing® 9410-010)	453.98	
11 12 33 13-0025 EA Two Channel Detector Loop For Barrier Parking Gate Operators (Federal APD DLD-10B)	1,060.91	
11 12 33 13-0026 EA 36" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls (Federal APD)	618.95	17.53
Note: Includes mounting plate and hardware. Excludes concrete foundation.		
11 12 36 Tire Shredders <small>(11 12)</small>		
11 12 36 00-0001 Tire Shredding Traffic Control Spikes <small>(11 12 36)</small>		
11 12 36 00-0002 Flush Mount, Tire Shredding Traffic Control Spikes <small>(11 12 36 00-0001)</small>		
11 12 36 00-0003 EA 6' Section, Flush Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-081)	1,691.64	280.52
11 12 36 00-0004 Surface Mount, Tire Shredding Traffic Control Spikes <small>(11 12 36 00-0001)</small>		
11 12 36 00-0005 EA 3' Section With End Caps, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-088)	2,962.50	140.26
11 12 36 00-0006 EA 3' Add-On Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-087)	2,126.28	140.26
11 12 36 00-0007 Warning Signs And Signals For Tire Shredding Traffic Control Spikes <small>(11 12 36 00-0001)</small>		
11 12 36 00-0008 EA Warning Sign For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1615)	1,328.17	52.59
Note: Includes light and mounting post.		
11 12 36 00-0009 EA Traffic Light Assembly For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603)	1,091.46	70.13
Note: Includes mounting post and hardware.		
11 13 Loading Dock Equipment <small>(11 10)</small>		
11 13 13 Loading Dock Bumpers <small>(11 13)</small>		
11 13 13 00-0001 Laminated Rubber Dock Bumpers <small>(11 13 13)</small>		
11 13 13 00-0002 4-1/2" Projection, Laminated Rubber Dock Bumpers <small>(11 13 13 00-0001)</small>		
11 13 13 00-0003 EA 14" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	105.48	19.29
11 13 13 00-0004 EA 24" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	130.94	19.29
11 13 13 00-0005 EA 36" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	166.85	19.29
11 13 13 00-0006 EA 12" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	116.33	19.29
11 13 13 00-0007 EA 14" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	125.32	19.29
11 13 13 00-0008 EA 18" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	141.40	19.29
11 13 13 00-0009 EA 24" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	166.85	19.29
11 13 13 00-0010 EA 36" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	224.30	19.29

11	Equipment
11 10	Vehicle And Pedestrian Equipment
11 13	Loading Dock Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 13 00-0011	EA		12" x 12", 4-1/2" Projection, Laminated Rubber Dock Bumper	130.69	19.29
11 13 13 00-0012	EA		12" x 14", 4-1/2" Projection, Laminated Rubber Dock Bumper	141.40	19.29
11 13 13 00-0013	EA		12" x 18", 4-1/2" Projection, Laminated Rubber Dock Bumper	171.96	19.29
11 13 13 00-0014	EA		12" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	193.62	19.29
11 13 13 00-0015	EA		12" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	263.98	19.29
11 13 13 00-0016	EA		11" x 20", 4-1/2" Projection, Laminated Rubber Dock Bumper	159.30	19.29
11 13 13 00-0017	EA		11" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	184.50	19.29
11 13 13 00-0018	EA		11" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	238.18	19.29
11 13 13 00-0019			6" Projection, Laminated Rubber Dock Bumpers (11 13 13 00-0001)		
11 13 13 00-0020	EA		12" x 10", 6" Projection, Laminated Rubber Dock Bumper	146.25	19.29
11 13 13 00-0021	EA		14" x 10", 6" Projection, Laminated Rubber Dock Bumper	155.13	19.29
11 13 13 00-0022	EA		18" x 10", 6" Projection, Laminated Rubber Dock Bumper	176.56	19.29
11 13 13 00-0023	EA		24" x 10", 6" Projection, Laminated Rubber Dock Bumper	209.18	19.29
11 13 13 00-0024	EA		36" x 10", 6" Projection, Laminated Rubber Dock Bumper	281.36	19.29
11 13 13 00-0025	EA		12" x 12", 6" Projection, Laminated Rubber Dock Bumper	165.97	19.29
11 13 13 00-0026	EA		14" x 12", 6" Projection, Laminated Rubber Dock Bumper	173.27	19.29
11 13 13 00-0027	EA		18" x 12", 6" Projection, Laminated Rubber Dock Bumper	202.24	19.29
11 13 13 00-0028	EA		24" x 12", 6" Projection, Laminated Rubber Dock Bumper	245.45	19.29
11 13 13 00-0029	EA		36" x 12", 6" Projection, Laminated Rubber Dock Bumper	366.45	19.29
11 13 13 00-0030	EA		11" x 20", 6" Projection, Laminated Rubber Dock Bumper	209.30	19.29
11 13 13 00-0031	EA		11" x 24", 6" Projection, Laminated Rubber Dock Bumper	238.27	19.29
11 13 13 00-0032	EA		11" x 36", 6" Projection, Laminated Rubber Dock Bumper	242.13	19.29
11 13 13 00-0033			Extruded Rubber Dock Bumpers (11 13 13)		
11 13 13 00-0034			1-3/4" Projection, Extruded Rubber Dock Bumpers (11 13 13 00-0033)		
11 13 13 00-0035	EA		12" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	59.15	19.29
11 13 13 00-0036	EA		18" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	62.73	19.29
11 13 13 00-0037	EA		24" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	67.50	19.29
11 13 13 00-0038	EA		36" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	72.27	19.29
11 13 13 00-0039			4" Projection, Extruded Rubber Dock Bumpers (11 13 13 00-0033)		
11 13 13 00-0040	EA		12" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	77.86	19.29
11 13 13 00-0041	EA		18" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	92.91	19.29
11 13 13 00-0042	EA		24" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	97.24	19.29
11 13 13 00-0043	EA		36" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	107.11	19.29
11 13 13 00-0044			6" Projection, Extruded Rubber Dock Bumpers (11 13 13 00-0033)		
11 13 13 00-0045	EA		12" x 6", 6" Projection, Extruded Rubber Dock Bumper	93.50	19.29
11 13 13 00-0046	EA		18" x 6", 6" Projection, Extruded Rubber Dock Bumper	113.78	19.29
11 13 13 00-0047	EA		24" x 6", 6" Projection, Extruded Rubber Dock Bumper	130.48	19.29
11 13 13 00-0048	EA		36" x 6", 6" Projection, Extruded Rubber Dock Bumper	162.35	19.29
11 13 13 00-0049			Molded Rubber Dock Bumpers (11 13 13)		
11 13 13 00-0050			Rectangular Molded Rubber Dock Bumpers (11 13 13 00-0049)		
11 13 13 00-0051	EA		18" x 8", 2" Projection, Rectangular Molded Rubber Dock Bumper	81.39	19.29
11 13 13 00-0052	EA		10" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	72.18	19.29
11 13 13 00-0053	EA		20" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	93.20	19.29
11 13 13 00-0054	EA		30" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	114.41	19.29
11 13 13 00-0055	EA		24" x 12", 3" Projection, Rectangular Molded Rubber Dock Bumper	119.41	19.29
11 13 13 00-0056	EA		13" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	90.79	19.29
11 13 13 00-0057	EA		18" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	115.25	19.29
11 13 13 00-0058	EA		30" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	165.59	19.29
11 13 13 00-0059	EA		13" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper	98.11	19.29
11 13 13 00-0060	EA		24" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper	142.83	19.29
11 13 13 00-0061	EA		18" x 18", 4" Projection, Rectangular Molded Rubber Dock Bumper	142.39	19.29
11 13 13 00-0062	EA		24" x 12", 6" Projection, Rectangular Molded Rubber Dock Bumper	212.38	19.29
11 13 13 00-0063			T And L Shaped Rubber Dock Bumpers (11 13 13 00-0049)		
11 13 13 00-0064	EA		22" x 22", 3" Projection, T Shaped Molded Rubber Dock Bumper	135.50	19.29
11 13 13 00-0065	EA		18" x 18", 4" Projection, L Shaped Molded Rubber Dock Bumper	126.33	19.29
11 13 16			Loading Dock Seals And Shelters (11 13)		
11 13 16 13			Loading Dock Seals (11 13 16)		
11 13 16 13-0001			Vinyl Loading Dock Seals (11 13 16 13)		
11 13 16 13-0002			Standard Vinyl Loading Dock Seals (11 13 16 13-0001)		
11 13 16 13-0003	LF		10" Projection, Standard, Vinyl Loading Dock Seal	75.49	19.29
11 13 16 13-0004	LF		11" Projection, Standard, Vinyl Loading Dock Seal	76.41	19.29
11 13 16 13-0005	LF		12" Projection, Standard, Vinyl Loading Dock Seal	77.32	19.29



Equipment	11
Vehicle And Pedestrian Equipment	11 10
Loading Dock Equipment	11 13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 16 13-0006 LF 13" Projection, Standard, Vinyl Loading Dock Seal	79.15	19.29
11 13 16 13-0007 LF 14" Projection, Standard, Vinyl Loading Dock Seal	80.97	19.29
11 13 16 13-0008 LF 15" Projection, Standard, Vinyl Loading Dock Seal	82.82	19.29
11 13 16 13-0009 LF 16" Projection, Standard, Vinyl Loading Dock Seal	84.68	19.29
11 13 16 13-0010 LF 17" Projection, Standard, Vinyl Loading Dock Seal	86.58	19.29
11 13 16 13-0011 LF 18" Projection, Standard, Vinyl Loading Dock Seal	88.48	19.29
11 13 16 13-0012 LF 19" Projection, Standard, Vinyl Loading Dock Seal	90.30	19.29
11 13 16 13-0013 LF 20" Projection, Standard, Vinyl Loading Dock Seal	92.13	19.29
11 13 16 13-0014 LF 22" Projection, Standard, Vinyl Loading Dock Seal	95.83	19.29
11 13 16 13-0015 8" Exposure Wear Pleats, Vinyl Loading Dock Seals <small>(11 13 16 13-0001)</small>		
11 13 16 13-0016 LF 10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	86.35	19.29
11 13 16 13-0017 LF 11" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	87.26	19.29
11 13 16 13-0018 LF 12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	88.17	19.29
11 13 16 13-0019 LF 13" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	90.03	19.29
11 13 16 13-0020 LF 14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	91.88	19.29
11 13 16 13-0021 LF 15" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	93.70	19.29
11 13 16 13-0022 LF 16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	95.53	19.29
11 13 16 13-0023 LF 17" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	97.38	19.29
11 13 16 13-0024 LF 18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	99.23	19.29
11 13 16 13-0025 LF 19" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	101.06	19.29
11 13 16 13-0026 LF 20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	102.93	19.29
11 13 16 13-0027 LF 22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	106.59	19.29
11 13 16 13-0028 4" Exposure Wear Pleats, Vinyl Loading Dock Seals <small>(11 13 16 13-0001)</small>		
11 13 16 13-0029 LF 10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	92.13	19.29
11 13 16 13-0030 LF 11" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	93.07	19.29
11 13 16 13-0031 LF 12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	94.01	19.29
11 13 16 13-0032 LF 13" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	95.83	19.29
11 13 16 13-0033 LF 14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	97.66	19.29
11 13 16 13-0034 LF 15" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	99.51	19.29
11 13 16 13-0035 LF 16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	101.36	19.29
11 13 16 13-0036 LF 17" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	103.19	19.29
11 13 16 13-0037 LF 18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	105.01	19.29
11 13 16 13-0038 LF 19" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	106.86	19.29
11 13 16 13-0039 LF 20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	108.72	19.29
11 13 16 13-0040 LF 22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	112.47	19.29
11 13 16 13-0041 Vinyl Loading Dock Seals With Drape Curtain <small>(11 13 16 13)</small>		
11 13 16 13-0042 Standard, Vinyl Loading Dock Seals With Drape Curtain <small>(11 13 16 13-0041)</small>		
11 13 16 13-0043 LF 10" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	70.66	19.29
11 13 16 13-0044 LF 12" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	72.10	19.29
11 13 16 13-0045 LF 14" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	75.27	19.29
11 13 16 13-0046 LF 16" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	78.40	19.29
11 13 16 13-0047 LF 18" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	81.62	19.29
11 13 16 13-0048 LF 20" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	84.75	19.29
11 13 16 13-0049 LF 22" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	87.92	19.29
11 13 16 13-0050 8" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain <small>(11 13 16 13-0041)</small>		
11 13 16 13-0051 LF 10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	80.92	19.29
11 13 16 13-0052 LF 12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	82.40	19.29
11 13 16 13-0053 LF 14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	85.57	19.29
11 13 16 13-0054 LF 16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	88.75	19.29
11 13 16 13-0055 LF 18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	91.88	19.29
11 13 16 13-0056 LF 20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	95.05	19.29
11 13 16 13-0057 LF 22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	98.18	19.29
11 13 16 13-0058 4" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain <small>(11 13 16 13-0041)</small>		
11 13 16 13-0059 LF 10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	86.49	19.29
11 13 16 13-0060 LF 12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	87.92	19.29
11 13 16 13-0061 LF 14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	91.14	19.29
11 13 16 13-0062 LF 16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	94.27	19.29
11 13 16 13-0063 LF 18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	97.44	19.29
11 13 16 13-0064 LF 20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	100.57	19.29
11 13 16 13-0065 LF 22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	103.79	19.29
11 13 16 23 Loading Dock Shelters <small>(11 13 16)</small>		
11 13 16 23-0001 Retractable Vinyl Loading Dock Shelter <small>(11 13 16 23)</small>		
11 13 16 23-0002 LF Retractable Vinyl Dock Shelters, Scissor Arms	116.52	24.11

11	11 Equipment
	11 10 Vehicle And Pedestrian Equipment
	11 13 Loading Dock Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 16 23-003 Rigid Loading Dock Shelters <small>(11 13 16 23)</small>		
11 13 16 23-0004 LF 18" Projection, Rigid Loading Dock Shelter	88.98	23.15
11 13 16 23-0005 LF 24" Projection, Rigid Loading Dock Shelter	92.35	23.15
11 13 16 23-0006 LF 30" Projection, Rigid Loading Dock Shelter	95.95	24.11
11 13 16 23-0007 LF 36" Projection, Rigid Loading Dock Shelter	98.27	24.11
11 13 19 Stationary Loading Dock Equipment <small>(11 13)</small>		
<small>Note: Includes all anchor bolts and fasteners.</small>		
11 13 19 13 Loading Dock Levelers <small>(11 13 19)</small>		
11 13 19 13-0001 Hydraulic Dock Levelers <small>(11 13 19 13)</small>		
11 13 19 13-0002 20,000 LB Hydraulic Dock Levelers <small>(11 13 19 13-0001)</small>		
11 13 19 13-0003 EA 6' x 6', 20,000 LB Hydraulic Dock Leveler.....	6,069.68	793.40
11 13 19 13-0004 EA 6' x 8', 20,000 LB Hydraulic Dock Leveler.....	6,498.88	881.56
11 13 19 13-0005 EA 6' x 10', 20,000 LB Hydraulic Dock Leveler.....	7,930.95	1,057.87
11 13 19 13-0006 EA 7' x 6', 20,000 LB Hydraulic Dock Leveler.....	6,457.92	881.56
11 13 19 13-0007 EA 7' x 8', 20,000 LB Hydraulic Dock Leveler.....	7,009.81	969.71
11 13 19 13-0008 EA 7' x 10', 20,000 LB Hydraulic Dock Leveler.....	8,401.47	1,057.87
11 13 19 13-0009 25,000 LB Hydraulic Dock Levelers <small>(11 13 19 13-0001)</small>		
11 13 19 13-0010 EA 6' x 6', 25,000 LB Hydraulic Dock Leveler.....	6,187.92	793.40
11 13 19 13-0011 EA 6' x 8', 25,000 LB Hydraulic Dock Leveler.....	6,620.05	881.56
11 13 19 13-0012 EA 6' x 10', 25,000 LB Hydraulic Dock Leveler.....	8,044.47	1,057.87
11 13 19 13-0013 EA 7' x 6', 25,000 LB Hydraulic Dock Leveler.....	6,572.45	881.56
11 13 19 13-0014 EA 7' x 8', 25,000 LB Hydraulic Dock Leveler.....	7,115.17	969.71
11 13 19 13-0015 EA 7' x 10', 25,000 LB Hydraulic Dock Leveler.....	8,624.33	1,057.87
11 13 19 13-0016 30,000 LB Hydraulic Dock Levelers <small>(11 13 19 13-0001)</small>		
11 13 19 13-0017 EA 6' x 6', 30,000 LB Hydraulic Dock Leveler.....	6,490.89	925.64
11 13 19 13-0018 EA 6' x 8', 30,000 LB Hydraulic Dock Leveler.....	6,908.04	1,057.87
11 13 19 13-0019 EA 6' x 10', 30,000 LB Hydraulic Dock Leveler.....	8,400.32	1,234.18
11 13 19 13-0020 EA 7' x 6', 30,000 LB Hydraulic Dock Leveler.....	6,908.04	1,057.87
11 13 19 13-0021 EA 7' x 8', 30,000 LB Hydraulic Dock Leveler.....	7,423.58	1,190.10
11 13 19 13-0022 EA 7' x 10', 30,000 LB Hydraulic Dock Leveler.....	8,915.85	1,190.10
11 13 19 13-0023 35,000 LB Hydraulic Dock Levelers <small>(11 13 19 13-0001)</small>		
11 13 19 13-0024 EA 6' x 6', 35,000 LB Hydraulic Dock Leveler.....	6,715.61	881.56
11 13 19 13-0025 EA 6' x 8', 35,000 LB Hydraulic Dock Leveler.....	7,134.06	969.71
11 13 19 13-0026 EA 6' x 10', 35,000 LB Hydraulic Dock Leveler.....	8,938.42	1,146.03
11 13 19 13-0027 EA 7' x 6', 35,000 LB Hydraulic Dock Leveler.....	7,134.06	969.71
11 13 19 13-0028 EA 7' x 8', 35,000 LB Hydraulic Dock Leveler.....	7,750.55	1,057.87
11 13 19 13-0029 EA 7' x 10', 35,000 LB Hydraulic Dock Leveler.....	9,281.62	1,234.18
11 13 19 13-0030 40,000 LB Hydraulic Dock Levelers <small>(11 13 19 13-0001)</small>		
11 13 19 13-0031 EA 6' x 6', 40,000 LB Hydraulic Dock Leveler.....	7,086.01	881.56
11 13 19 13-0032 EA 6' x 8', 40,000 LB Hydraulic Dock Leveler.....	7,503.83	969.71
11 13 19 13-0033 EA 6' x 10', 40,000 LB Hydraulic Dock Leveler.....	9,023.25	1,146.03
11 13 19 13-0034 EA 7' x 6', 40,000 LB Hydraulic Dock Leveler.....	7,503.83	969.71
11 13 19 13-0035 EA 7' x 8', 40,000 LB Hydraulic Dock Leveler.....	8,121.09	1,057.87
11 13 19 13-0036 EA 7' x 10', 40,000 LB Hydraulic Dock Leveler.....	9,651.89	1,234.18
11 13 19 13-0037 45,000 LB Hydraulic Dock Levelers <small>(11 13 19 13-0001)</small>		
11 13 19 13-0038 EA 6' x 6', 45,000 LB Hydraulic Dock Leveler.....	7,413.71	969.71
11 13 19 13-0039 EA 6' x 8', 45,000 LB Hydraulic Dock Leveler.....	7,839.67	1,057.87
11 13 19 13-0040 EA 6' x 10', 45,000 LB Hydraulic Dock Leveler.....	9,349.60	1,234.18
11 13 19 13-0041 EA 7' x 6', 45,000 LB Hydraulic Dock Leveler.....	7,841.00	1,057.87
11 13 19 13-0042 EA 7' x 8', 45,000 LB Hydraulic Dock Leveler.....	8,452.18	1,146.03
11 13 19 13-0043 EA 7' x 10', 45,000 LB Hydraulic Dock Leveler.....	9,970.91	1,322.34
11 13 19 13-0044 Manual Dock Levelers <small>(11 13 19 13)</small>		
11 13 19 13-0045 20,000 LB Manual Dock Levelers <small>(11 13 19 13-0044)</small>		
11 13 19 13-0046 EA 6' x 6', 20,000 LB Manual Dock Leveler.....	4,864.77	793.40
11 13 19 13-0047 EA 6' x 8', 20,000 LB Manual Dock Leveler.....	5,301.58	881.56
11 13 19 13-0048 EA 6' x 10', 20,000 LB Manual Dock Leveler.....	6,726.04	1,057.87
11 13 19 13-0049 EA 7' x 6', 20,000 LB Manual Dock Leveler.....	5,254.10	881.56
11 13 19 13-0050 EA 7' x 8', 20,000 LB Manual Dock Leveler.....	5,804.91	969.71
11 13 19 13-0051 EA 7' x 10', 20,000 LB Manual Dock Leveler.....	7,319.45	1,057.87
11 13 19 13-0052 40,000 LB Manual Dock Levelers <small>(11 13 19 13-0044)</small>		



Equipment	11	
Vehicle And Pedestrian Equipment	11 10	11
Loading Dock Equipment	11 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 19 13-0053 EA 6' x 6', 40,000 LB Manual Dock Leveler.....	5,987.67	881.56
11 13 19 13-0054 EA 6' x 8', 40,000 LB Manual Dock Leveler.....	6,405.50	969.71
11 13 19 13-0055 EA 6' x 10', 40,000 LB Manual Dock Leveler.....	6,991.87	1,146.03
11 13 19 13-0056 EA 7' x 6', 40,000 LB Manual Dock Leveler.....	6,405.50	969.71
11 13 19 13-0057 EA 7' x 8', 40,000 LB Manual Dock Leveler.....	7,271.79	1,057.87
11 13 19 13-0058 EA 7' x 10', 40,000 LB Manual Dock Leveler.....	8,553.56	1,234.18
11 13 19 13-0059 Edge-Of-Dock Levelers <small>(11 13 19 13)</small> Note: Mounted on face of dock, single torsion bar counter balance, includes bumpers.		
11 13 19 13-0060 Hydraulic Edge-Of-Dock Levelers <small>(11 13 19 13-0059)</small>		
11 13 19 13-0061 EA 66" Usable Width, 20,000 LB Edge-Of-Dock Leveler, Hydraulic.....	3,043.66	264.47
11 13 19 13-0062 EA 72" Usable Width, 20,000 LB Edge-Of-Dock Leveler, Hydraulic.....	3,286.15	264.47
11 13 19 13-0063 EA 66" Usable Width, 25,000 LB Edge-Of-Dock Leveler, Hydraulic.....	3,251.06	264.47
11 13 19 13-0064 EA 72" Usable Width, 25,000 LB Edge-Of-Dock Leveler, Hydraulic.....	3,583.96	264.47
11 13 19 13-0065 Manual Edge-Of-Dock Levelers <small>(11 13 19 13-0059)</small>		
11 13 19 13-0066 EA 66" Usable Width, 20,000 LB Edge-Of-Dock Leveler, Manual.....	1,497.94	264.47
11 13 19 13-0067 EA 72" Usable Width, 20,000 LB Edge-Of-Dock Leveler, Manual.....	1,644.02	264.47
11 13 19 13-0068 EA 66" Usable Width, 25,000 LB Edge-Of-Dock Leveler, Manual.....	1,688.70	264.47
11 13 19 13-0069 EA 72" Usable Width, 25,000 LB Edge-Of-Dock Leveler, Manual.....	1,798.25	264.47
11 13 19 23 Stationary Loading Dock Lifts <small>(11 13 19)</small>		
11 13 19 23-0001 Top Of Ground, Fixed Platform Lifts <small>(11 13 19 23)</small>		
11 13 19 23-0002 EA 6' x 8', 5,500 LB Top Of Ground, Fixed Platform Lift.....	12,588.25	194.33
11 13 19 23-0003 Pit Mounted, Fixed Platform Lifts <small>(11 13 19 23)</small>		
11 13 19 23-0004 EA 6' x 8', 5,000 LB Fixed Platform Lift, Pit Mounted.....	8,496.99	194.33
11 13 19 23-0005 EA 6' x 8', 8,000 LB Fixed Platform Lift, Pit Mounted.....	15,619.48	291.49
11 13 19 23-0006 EA 7' x 12', 15,000 LB Fixed Platform Lift, Pit Mounted.....	27,565.05	582.98
11 13 19 23-0007 EA 8' x 20', 15,000 LB Fixed Platform Lift, Pit Mounted.....	28,846.22	777.31
11 13 19 26 Loading Dock Truck Lifts <small>(11 13 19)</small>		
11 13 19 26-0001 Hydraulic Truck Lifts <small>(11 13 19 26)</small>		
11 13 19 26-0002 EA 10' x 15', 60,000 LB Platform Truck Lift.....	25,781.95	1,365.73
11 13 19 26-0003 EA 10' x 20', 60,000 LB Platform Truck Lift.....	29,493.11	1,638.87
11 13 19 33 Loading Dock Truck Restraints <small>(11 13 19)</small>		
11 13 19 33-0001 Truck Restraint System <small>(11 13 19 33)</small>		
11 13 19 33-0002 EA Truck Restraint System (Poweramp Powerstop AAL)..... Note: Includes push button controls, warning lights, alarms, 30,000 LB holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.	6,085.28	330.58
11 13 19 33-0003 EA Rotating Hook Truck Restraint System (Kelley Star 4)..... Note: Includes push button controls, warning lights, alarms, 32,000 LB holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.	5,754.72	330.58
11 13 23 Portable Dock Equipment <small>(11 13)</small>		
11 13 23 23 Portable Dock Platforms <small>(11 13 23)</small>		
11 13 23 23-0001 EA 6' x 6', 5,000 LB Capacity Portable Platform Lift.....	10,486.42	87.66
11 13 26 Loading Dock Lights <small>(11 13)</small>		
11 13 26 00-0001 Communication Lights <small>(11 13 26)</small>		
11 13 26 00-0002 EA Console Controlled, Dock Communication Light, Stop And Go Red Light Style, 12 Or 24 Volt DC Or 115 Volt AC..... Note: Excludes control console.	252.94	72.48
11 13 26 00-0003 EA Toggle Switch Controlled, Dock Communication Light, Stop And Go Red Light Style, With Solid State Flasher, 12 Or 24 Volt DC Or 115 Volt AC.....	307.35	72.48
11 13 26 00-0004 EA Dock Guide Light For Truck Backing.....	146.39	57.98
11 13 26 00-0005 Communication Lights Controls <small>(11 13 26)</small>		
11 13 26 00-0006 EA Dock Communication Lights Control Console For Up To Two Docks.....	286.55	96.64
11 13 26 00-0007 Loading Dock Lights <small>(11 13 26)</small>		
11 13 26 00-0008 Incandescent Loading Dock Lights <small>(11 13 26 00-0007)</small>		
11 13 26 00-0009 EA 24" Long, Single Arm Loading Dock Light, 300W Incandescent.....	359.17	96.64
11 13 26 00-0010 EA 40" Long, Dual Arm Loading Dock Light, 300W Incandescent.....	321.17	96.64
11 13 26 00-0011 EA 60" Long, Dual Arm Loading Dock Light, 300W Incandescent.....	417.04	96.64

11	11 Equipment
	11 10 Vehicle And Pedestrian Equipment
	11 13 Loading Dock Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 26 00-0012			Metal Halide Loading Dock Lights <small>(11 13 26 00-0007)</small>		
11 13 26 00-0013	EA		24" Long, Single Arm Loading Dock Light, 100W Metal Halide	490.52	96.64
11 13 26 00-0014	EA		40" Long, Dual Arm Loading Dock Light, 100W Metal Halide	535.56	96.64
11 13 26 00-0015	EA		60" Long, Dual Arm Loading Dock Light, 100W Metal Halide	571.58	96.64
11 13 26 00-0016			Quartz Halogen Loading Dock Lights <small>(11 13 26 00-0007)</small>		
11 13 26 00-0017	EA		24" Long, Single Arm Loading Dock Light, 500W Quartz Halogen	316.10	96.64
11 13 26 00-0018	EA		40" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen.....	344.60	96.64
11 13 26 00-0019	EA		60" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen.....	368.92	96.64
11 14			Pedestrian Control Equipment <small>(11 10)</small>		
11 14 13			Pedestrian Gates <small>(11 14)</small>		
11 14 13 16			Rotary Gates <small>(11 14 13)</small>		
11 14 13 16-0001			Access Control Indoor Or Outdoor Impenetrability <small>(11 14 13 16)</small>		
11 14 13 16-0002			Mechanical <small>(11 14 13 16-0001)</small>		
11 14 13 16-0003			Galvanized Steel <small>(11 14 13 16-0002)</small>		
11 14 13 16-0004	EA		One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Galvanized Steel	7,670.49	1,225.56
11 14 13 16-0005	EA		One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel	8,572.45	1,225.56
11 14 13 16-0006	EA		One-Way, "Handicapped" 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel.....	16,735.51	1,828.49
11 14 13 16-0007	EA		One-Way, Double 7' High Exit Rotary Gate, 3 Or 4 Rotor Sections, Galvanized Steel.....	16,238.11	1,828.49
11 14 13 16-0008			Powder Coated Steel <small>(11 14 13 16-0002)</small>		
11 14 13 16-0009	EA		One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel	8,584.05	1,225.56
11 14 13 16-0010	EA		One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Powder Coated Steel	9,451.19	1,225.56
11 14 13 16-0011	EA		One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel.....	19,572.35	1,828.49
11 14 13 16-0012	EA		One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel	17,736.95	1,828.49
11 14 13 16-0013			Anodized Aluminum <small>(11 14 13 16-0002)</small>		
11 14 13 16-0014	EA		One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	8,980.31	1,225.56
11 14 13 16-0015	EA		One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Complete Anodized Aluminum	15,050.25	1,225.56
11 14 13 16-0016	EA		One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	17,663.99	1,828.49
11 14 13 16-0017	EA		One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum.....	29,097.56	1,828.49
11 14 13 16-0018			Stainless Steel <small>(11 14 13 16-0002)</small>		
11 14 13 16-0019	EA		One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel.....	13,780.22	1,225.56
11 14 13 16-0020	EA		One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Stainless Steel.....	15,381.85	1,225.56
11 14 13 16-0021	EA		One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel	22,041.11	1,828.49
11 14 13 16-0022	EA		One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel	27,247.23	1,828.49
11 14 13 16-0023			Transparent <small>(11 14 13 16-0002)</small>		
11 14 13 16-0024	EA		One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Transparent	26,656.25	1,225.75
11 14 13 16-0025			Mechanical Options <small>(11 14 13 16-0001)</small>		
11 14 13 16-0026	EA		Out-of-Use Lock Option, Add.....	140.93	
11 14 13 16-0027	EA		Heel Protector (Each Heel Protector), Add	99.48	
11 14 13 16-0028			Electrical, One-Way <small>(11 14 13 16-0001)</small>		
11 14 13 16-0029			Galvanized Steel <small>(11 14 13 16-0028)</small>		
11 14 13 16-0030	EA		One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	8,070.07	1,225.56
11 14 13 16-0031	EA		One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	8,973.68	1,225.56
11 14 13 16-0032	EA		One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	18,227.71	1,828.49
11 14 13 16-0033	EA		One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel.....	16,883.08	1,828.49
11 14 13 16-0034	EA		One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	18,227.71	1,828.49
11 14 13 16-0035			Powder Coated Steel <small>(11 14 13 16-0028)</small>		
11 14 13 16-0036	EA		One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel.....	8,981.97	1,225.56
11 14 13 16-0037	EA		One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel	9,991.69	1,225.56
11 14 13 16-0038	EA		One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	24,045.64	1,828.49
11 14 13 16-0039	EA		One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	18,390.20	1,828.49
11 14 13 16-0040	EA		One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel	19,738.15	1,828.49
11 14 13 16-0041			Anodized Aluminum <small>(11 14 13 16-0028)</small>		



Equipment	11
Vehicle And Pedestrian Equipment	11 10
Pedestrian Control Equipment	11 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 14 13 16-0042 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	9,147.77	1,225.56
11 14 13 16-0043 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	9,661.75	1,225.56
11 14 13 16-0044 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	15,547.65	1,225.56
11 14 13 16-0045 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	18,577.55	1,828.49
11 14 13 16-0046 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	20,548.91	1,828.49
11 14 13 16-0047 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	29,958.06	1,828.49
11 14 13 16-0048 Stainless Steel <small>(11 14 13 16-0028)</small>		
11 14 13 16-0049 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	14,617.51	1,225.56
11 14 13 16-0050 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	15,595.73	1,225.56
11 14 13 16-0051 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	25,151.52	1,828.49
11 14 13 16-0052 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	28,525.55	1,828.49
11 14 13 16-0053 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	31,342.49	1,828.49
11 14 13 16-0054 Transparent <small>(11 14 13 16-0028)</small>		
11 14 13 16-0055 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	24,373.19	1,225.75
11 14 13 16-0056 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	25,759.27	1,225.75
11 14 13 16-0057 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels	26,364.44	1,225.75
11 14 13 16-0058 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	43,263.51	1,828.49
11 14 13 16-0059 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	45,932.89	1,828.49
11 14 13 16-0060 Electrical, Two-Way <small>(11 14 13 16-0001)</small>		
11 14 13 16-0061 Galvanized Steel <small>(11 14 13 16-0060)</small>		
11 14 13 16-0062 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	8,647.06	1,225.56
11 14 13 16-0063 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	9,577.19	1,225.56
11 14 13 16-0064 EA Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	21,397.81	1,828.49
11 14 13 16-0065 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	17,912.69	1,828.49
11 14 13 16-0066 Powder Coated Steel <small>(11 14 13 16-0060)</small>		
11 14 13 16-0067 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	9,487.66	1,225.56
11 14 13 16-0068 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel	10,555.41	1,225.56
11 14 13 16-0069 EA Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	24,546.35	1,828.49
11 14 13 16-0070 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	19,428.11	1,828.49
11 14 13 16-0071 Anodized Aluminum <small>(11 14 13 16-0060)</small>		
11 14 13 16-0072 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	9,716.47	1,225.56
11 14 13 16-0073 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	10,207.23	1,225.56
11 14 13 16-0074 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	16,209.19	1,225.56
11 14 13 16-0075 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	19,736.49	1,828.49
11 14 13 16-0076 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	31,034.11	1,828.49
11 14 13 16-0077 Stainless Steel <small>(11 14 13 16-0060)</small>		
11 14 13 16-0078 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	15,177.92	1,225.56
11 14 13 16-0079 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	16,172.72	1,225.56
11 14 13 16-0080 EA Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	25,562.71	1,828.49
11 14 13 16-0081 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	29,354.55	1,828.49
11 14 13 16-0082 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	32,486.51	1,828.49
11 14 13 16-0083 Transparent <small>(11 14 13 16-0060)</small>		
11 14 13 16-0084 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	24,854.01	1,225.75
11 14 13 16-0085 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	26,157.19	1,225.75
11 14 13 16-0086 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels	26,904.95	1,225.75
11 14 13 16-0087 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	44,274.89	1,828.49
11 14 13 16-0088 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	46,761.89	1,828.49
11 14 13 16-0089 Electrical Options <small>(11 14 13 16-0001)</small>		
11 14 13 16-0090 EA Additional Set Of Electric Controls, Per Rotor, Add	552.11	
11 14 13 16-0091 EA Indicator Lights, Set, Red/Green, Per Controlled Direction, Add	387.97	
11 14 13 16-0092 EA Time-Out-Relay, Per Controlled Direction	127.67	
11 14 13 16-0093 EA Pulse-Relay, Per Controlled Direction	127.67	
11 14 13 16-0094 EA Pushbutton, Per Controlled Direction	101.14	
11 14 13 16-0095 EA Heel Protectors, (Per Heel Protector), Add	99.48	
11 14 13 16-0096 EA Card Reader Mounting Pad, Per Reader	91.19	
11 14 13 16-0097 EA Hydraulic Speed Control (Per Rotor), Add	2,316.23	

11	11	Equipment
	11 10	Vehicle And Pedestrian Equipment
	11 14	Pedestrian Control Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 14 13 16-0098			Relocate Rotary Gate <small>(11 14 13 16-0001)</small>		
11 14 13 16-0099	EA		Relocate Rotary Gate	3,600.06	
11 14 13 19			Turnstiles <small>(11 14 13)</small>		
11 14 13 19-0001			Security Turnstiles <small>(11 14 13 19)</small>		
11 14 13 19-0002	EA		7' Security Turnstile With Automatic Control Free Turning..... Note: One direction, Type B.	7,524.44	608.27
11 14 13 19-0003	EA		7' Security Turnstile, Type B Free Turning In Both Directions.....	6,684.79	608.27
11 14 13 19-0004	EA		7' Security Turnstile With Automatic Control Free Turning..... Note: One direction, Type AA.	8,827.10	608.27
11 14 13 19-0005	EA		7' Security Turnstile, Type AA Free Turning In Both Directions	8,058.35	608.27
11 14 13 19-0006			Turnstiles <small>(11 14 13 19)</small>		
11 14 13 19-0007	EA		24" Diameter Manual Turnstile, Three Arm, Two Way	1,746.46	364.36
11 14 13 19-0008	EA		24" Diameter Manual Turnstile, Three Arm, Two Way With Counter	2,213.31	364.36
11 14 16			Pedestrian Control Devices <small>(11 14)</small>		
11 14 16 00-0001			Retractable Barrier <small>(11 14 16)</small>		
11 14 16 00-0002	EA		Wall Mounted, Retractable Belt Barrier With Receiver; 6-1/2' (WGB269387BK).....	62.50	15.78
11 14 16 00-0003	EA		Wall Mounted, Retractable Belt Barrier With Receiver; 10' (WGB2093791)	106.50	15.78
11 14 16 00-0004	EA		Wall Mounted, Retractable Belt Barrier With Receiver; 15' (WGB2093770)	128.50	15.78
11 14 16 00-0005	EA		Wall Mounted, Retractable Belt Barrier With Receiver; 30' (WGB2093771)	205.50	15.78
11 20			Commercial Equipment <small>(11)</small>		
11 21			Retail and Service Equipment <small>(11 20)</small>		
11 21 63			Refrigerated Display Equipment <small>(11 21)</small>		
11 21 63 00-0001			Dairy Products <small>(11 21 63)</small>		
11 21 63 00-0002			Refrigerated Dairy Case <small>(11 21 63 00-0001)</small>		
11 21 63 00-0003	LF		Refrigerated Case, Dairy, Multi-Deck..... <i>For Rear Sliding Doors, Add</i>	1,475.53 19.95	277.82
11 21 63 00-0004			Refrigerated Milk Unit <small>(11 21 63 00-0001)</small>		
11 21 63 00-0005	EA		46" x 32" x 49-1/2" Capacity: 12, 13" x 13" x 11" Refrigerated Milk Unit.....	7,104.76	208.71
11 21 63 00-0006			Refrigerated Ice Cream And Milk Dispenser <small>(11 21 63 00-0001)</small>		
11 21 63 00-0007	EA		63-1/2" x 28-1/2" x 35-3/8" Refrigerated Ice Cream And Milk Dispenser	7,877.12	229.21
11 21 63 00-0008			Ice Cream Dispenser <small>(11 21 63 00-0001)</small>		
11 21 63 00-0009	EA		46" x 28-1/2" x 35-3/8" Refrigerated Ice Cream Dispenser.....	6,579.22	192.99
11 21 63 00-0010			Drop-In Ice Cream Freezer <small>(11 21 63 00-0001)</small>		
11 21 63 00-0011	EA		27-7/8" x 16-9/16" x 28-1/4" 6 Gallon Drop-In Ice Cream Freezer	1,640.73	48.04
11 21 63 00-0012	EA		30" x 27-7/8" x 28-1/4" 12 Gallon Drop-In Ice Cream Freezer	2,144.02	62.81
11 21 63 00-0013			Ice Cream Cabinets <small>(11 21 63 00-0001)</small>		
11 21 63 00-0014	EA		46" x 32" x 42", 24 Gallon Ice Cream Cabinet	5,138.80	150.10
11 21 63 00-0015	EA		68" x 32" x 42", 48 Gallon Ice Cream Cabinet	7,320.58	216.62
11 21 63 00-0016			Delicatessen Case, Service Deli <small>(11 21 63)</small>		
11 21 63 00-0017	LF		Delicatessen Case, Single-Deck.....	1,463.75	231.52
11 21 63 00-0018	LF		Delicatessen Case, Multi-Deck	1,638.14	277.82
11 21 63 00-0019	EA		Delicatessen Case, 3 Shelf, 32" x 23" x 23".....	1,901.32	68.01
11 21 63 00-0020			Meat Case <small>(11 21 63)</small>		
11 21 63 00-0021	LF		Meat Case, Single - Deck	1,082.76	277.82
11 21 63 00-0022	LF		Meat Case, Multi - Deck.....	1,173.06	277.82
11 21 63 00-0023			Produce Case <small>(11 21 63)</small>		
11 21 63 00-0024	LF		Produce Case, Single - Deck.....	1,127.85	277.82



Equipment	11	
Commercial Equipment	11 20	11
Retail and Service Equipment	11 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 21 63 00-0025 LF Produce Case, Multi - Deck.....	1,245.00	277.82
11 21 63 00-0026 Bottle Coolers <small>(11 21 63)</small>		
11 21 63 00-0027 EA Bottle Cooler, 6' Long	4,189.12	926.08
11 21 63 00-0028 EA Bottle Cooler, 10' Long	6,324.06	1,389.12
11 21 63 00-0029 Cold Pan Units <small>(11 21 63)</small>		
11 21 63 00-0030 EA 5" x 48", Iced, Cold Pan Units.....	2,630.03	76.43
11 21 63 00-0031 EA 5" x 72", Iced, Cold Pan Units.....	3,654.04	106.93
11 21 63 00-0032 EA 8" x 72", Iced, Cold Pan Units.....	4,320.43	126.47
11 21 63 00-0033 EA 5" x 48", Mechanical, Cold Pan Units	4,441.58	130.66
11 21 63 00-0034 EA 8" x 48", Mechanical, Cold Pan Units	4,834.11	141.05
11 21 63 00-0035 EA 8" x 72", Mechanical, Cold Pan Units	5,743.89	166.69
11 21 63 00-0036 Cold Cabinets (Insulated) <small>(11 21 63)</small>		
11 21 63 00-0037 EA 69-3/4" x 32" x 24", Insulated Cold Cabinet.....	2,387.88	66.14

11 30 Residential Equipment (11)

11 30 13 Residential Appliances (11 30)

11 30 13 13 Residential Kitchen Appliances (11 30 13)

Note: Includes standard colors. Excludes stainless steel.

11 30 13 13-0001 Ranges With Ovens (11 30 13 13)

Note: Free standing or slide in.

11 30 13 13-0002 Electric Ranges With Ovens (11 30 13 13-0001)

11 30 13 13-0003 EA 20" Electric Range With Oven	578.53	70.13
<i>For Stainless Steel, Add</i>	109.57	
11 30 13 13-0004 EA 24" Electric Range With Oven	603.65	70.13
<i>For Stainless Steel, Add</i>	115.85	
11 30 13 13-0005 EA 30" Electric Range With Oven	641.32	70.13
<i>For Stainless Steel, Add</i>	125.27	
11 30 13 13-0006 EA 30" Free-Standing Electric Range With Oven (Hotpoint® RB525DHW).....	583.36	70.13

11 30 13 13-0007 Gas Ranges With Ovens (11 30 13 13-0001)

11 30 13 13-0008 EA 20" Gas Range With Oven.....	641.32	70.13
<i>For Stainless Steel, Add</i>	125.27	
11 30 13 13-0009 EA 24" Gas Range With Oven.....	673.98	70.13
<i>For Stainless Steel, Add</i>	133.43	
11 30 13 13-0010 EA 30" Gas Range With Oven.....	704.11	70.13
<i>For Stainless Steel, Add</i>	140.96	

11 30 13 13-0011 Range Hoods (11 30 13 13)

11 30 13 13-0012 Venting Range Hoods (11 30 13 13-0011)

11 30 13 13-0013 EA 21" Venting Range Hood (Broan 40000)	204.02	52.59
<i>For Stainless Steel, Add</i>	14.82	
11 30 13 13-0014 EA 24" Venting Range Hood (Broan 40000)	189.34	52.59
<i>For Stainless Steel, Add</i>	12.62	
11 30 13 13-0015 EA 30" Venting Range Hood (Broan 40000)	186.76	52.59
<i>For Stainless Steel, Add</i>	12.23	
11 30 13 13-0016 EA 36" Venting Range Hood (Broan 40000)	189.34	52.59
<i>For Stainless Steel, Add</i>	12.62	

11 30 13 13-0017 Non-Ducted Range Hoods (11 30 13 13-0011)

11 30 13 13-0018 EA 21" Non Ducted Range Hood (Broan 41000).....	205.92	52.59
<i>For Stainless Steel, Add</i>	15.11	
11 30 13 13-0019 EA 24" Non Ducted Range Hood (Broan 41000).....	191.29	52.59
<i>For Stainless Steel, Add</i>	12.91	
11 30 13 13-0020 EA 30" Non Ducted Range Hood (Broan 41000).....	188.70	52.59
<i>For Stainless Steel, Add</i>	12.53	
11 30 13 13-0021 EA 36" Non Ducted Range Hood (Broan 41000).....	191.29	52.59
<i>For Stainless Steel, Add</i>	12.91	

11 30 13 13-0022 Microwaves (11 30 13 13)

11 30 13 13-0023 Countertop Microwaves (11 30 13 13-0022)

11 30 13 13-0024 EA 1.1 CF Countertop Microwave Oven.....	120.51	8.77
<i>For Stainless Steel, Add</i>	15.45	
11 30 13 13-0025 EA 1.2 CF Countertop Microwave Oven.....	143.10	8.77
<i>For Stainless Steel, Add</i>	18.84	

11	Equipment
11 30	Residential Equipment
11 30 13	Residential Appliances



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0026 EA 1.3 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	146.86 19.40	8.77
11 30 13 13-0027 EA 1.4 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	179.53 24.30	8.77
11 30 13 13-0028 EA 1.5 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	192.09 26.18	8.77
11 30 13 13-0029 EA 1.6 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	204.64 28.07	8.77
11 30 13 13-0030 EA 1.7 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	217.20 29.95	8.77
11 30 13 13-0031 EA 1.8 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	229.76 31.83	8.77
11 30 13 13-0032 EA 2.0 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	243.56 33.90	8.77
11 30 13 13-0033 Over-The-Range Microwaves <small>(11 30 13 13-0022)</small>		
11 30 13 13-0034 EA 1.5 CF Over-The Range Microwave <i>For Stainless Steel, Add</i>	426.15 48.15	70.12
11 30 13 13-0035 EA 1.6 CF Over-The Range Microwave <i>For Stainless Steel, Add</i>	480.66 56.32	70.12
11 30 13 13-0036 EA 1.7 CF Over-The Range Microwave <i>For Stainless Steel, Add</i>	498.23 58.96	70.12
11 30 13 13-0037 EA 1.8 CF Over-The Range Microwave <i>For Stainless Steel, Add</i>	630.09 78.74	70.12
11 30 13 13-0038 EA 2.0 CF Over-The Range Microwave <i>For Stainless Steel, Add</i>	505.78 60.09	70.12
11 30 13 13-0039 EA 1.6 CF Over-the-Range Microwave (Hotpoint® RVM5160DHWW).....	314.13	52.59
11 30 13 13-0040 Trash Compactors <small>(11 30 13 13)</small>		
11 30 13 13-0041 EA 15" Built-In Trash Compactor, 4 To 1 Compaction..... <i>For Stainless Steel, Add</i>	955.27 146.70	70.13
11 30 13 13-0042 Refrigerators <small>(11 30 13 13)</small>		
11 30 13 13-0043 Top Freezer Refrigerators <small>(11 30 13 13-0042)</small>		
11 30 13 13-0044 EA Up To 10 CF Top Freezer Refrigerator..... <i>For Stainless Steel, Add</i>	471.97 60.28	35.07
11 30 13 13-0045 EA >10 To 12 CF Top Freezer Refrigerator..... <i>For Stainless Steel, Add</i>	571.19 75.16	35.07
11 30 13 13-0046 EA >12 To 14 CF Top Freezer Refrigerator..... <i>For Stainless Steel, Add</i>	635.23 84.77	35.07
11 30 13 13-0047 EA >14 To 16 CF Top Freezer Refrigerator..... <i>For Stainless Steel, Add</i>	672.90 90.42	35.07
11 30 13 13-0048 EA >16 To 18 CF Top Freezer Refrigerator..... <i>For Stainless Steel, Add</i>	773.37 105.49	35.07
11 30 13 13-0049 EA >18 To 20 CF Top Freezer Refrigerator..... <i>For Stainless Steel, Add</i>	860.03 118.49	35.07
11 30 13 13-0050 EA >20 To 22 CF Top Freezer Refrigerator..... <i>For Stainless Steel, Add</i>	924.06 128.09	35.07
11 30 13 13-0051 EA 14.6 CF, Top-Freezer Refrigerator (Hotpoint® ENERGY STAR® HPE15BTHWW).....	617.18	35.07
11 30 13 13-0052 Side-By-Side Refrigerators <small>(11 30 13 13-0042)</small>		
11 30 13 13-0053 EA Up To 22 CF Side-By-Side Refrigerator..... <i>For Stainless Steel, Add</i>	949.04 131.84	35.07
11 30 13 13-0054 EA >22 To 24 CF Side-By-Side Refrigerator <i>For Stainless Steel, Add</i>	1,175.22 165.76	35.07
11 30 13 13-0055 EA >24 To 26 CF Side-By-Side Refrigerator <i>For Stainless Steel, Add</i>	1,325.92 188.37	35.07
11 30 13 13-0056 Other Refrigerators <small>(11 30 13 13-0042)</small>		
11 30 13 13-0057 EA 1.7 CF Dormitory Sized Refrigerator..... <i>For Stainless Steel, Add</i>	158.26 18.48	17.53
11 30 13 13-0058 EA 4.4 CF Dormitory Sized Refrigerator..... <i>For Stainless Steel, Add</i>	214.77 26.96	17.53
11 30 13 13-0059 Freezers <small>(11 30 13 13)</small>		
11 30 13 13-0060 Upright Freezers <small>(11 30 13 13-0059)</small>		
11 30 13 13-0061 EA Up To 10 CF Upright Freezer..... <i>For Stainless Steel, Add</i>	445.61 56.32	35.07
11 30 13 13-0062 EA >10 To 12 CF Upright Freezer <i>For Stainless Steel, Add</i>	571.19 75.16	35.07
11 30 13 13-0063 EA >12 To 14 CF Upright Freezer <i>For Stainless Steel, Add</i>	608.87 80.81	35.07
11 30 13 13-0064 EA >14 To 16 CF Upright Freezer <i>For Stainless Steel, Add</i>	696.77 94.00	35.07



Equipment	11	
Residential Equipment	11 30	11
Residential Appliances	11 30 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0065 EA >16 To 18 CF Upright Freezer..... <i>For Stainless Steel, Add</i>	798.48 109.25	35.07
11 30 13 13-0066 EA >18 To 20 CF Upright Freezer..... <i>For Stainless Steel, Add</i>	848.73 116.79	35.07
11 30 13 13-0067 EA >20 To 22 CF Upright Freezer..... <i>For Stainless Steel, Add</i>	886.39 122.44	35.07
11 30 13 13-0068 Chest Freezers <small>(11 30 13 13-0059)</small>		
11 30 13 13-0069 EA Up To 8 CF Chest Freezer..... <i>For Stainless Steel, Add</i>	358.95 43.32	35.07
11 30 13 13-0070 EA >8 To 10 CF Chest Freezer..... <i>For Stainless Steel, Add</i>	446.86 56.51	35.07
11 30 13 13-0071 EA >10 To 12 CF Chest Freezer..... <i>For Stainless Steel, Add</i>	478.27 61.22	35.07
11 30 13 13-0072 EA >12 To 14 CF Chest Freezer..... <i>For Stainless Steel, Add</i>	534.76 69.69	35.07
11 30 13 13-0073 EA >14 To 16 CF Chest Freezer..... <i>For Stainless Steel, Add</i>	571.19 75.16	35.07
11 30 13 13-0074 EA >16 To 18 CF Chest Freezer..... <i>For Stainless Steel, Add</i>	696.77 94.00	35.07
11 30 13 13-0075 EA >18 To 20 CF Chest Freezer..... <i>For Stainless Steel, Add</i>	860.03 118.49	35.07
11 30 13 13-0076 EA >20 To 22 CF Chest Freezer..... <i>For Stainless Steel, Add</i>	886.39 122.44	35.07
11 30 13 13-0077 Automatic Ice Makers <small>(11 30 13 13)</small>		
11 30 13 13-0078 EA 15" Wide, 50 LB Per Day, Automatic Ice Maker	1,644.71	70.13
11 30 13 13-0079 EA 18" Wide, 50 LB Per Day, Automatic Ice Maker	1,833.08	70.13
11 30 13 13-0080 Built-In Dishwashers <small>(11 30 13 13)</small>		
11 30 13 13-0081 EA 18" Built-In Dishwasher..... <i>For Stainless Steel, Add</i>	805.82 99.83	70.13
11 30 13 13-0082 EA 24" Built-In Dishwasher..... <i>For Stainless Steel, Add</i>	542.10 60.28	70.13
11 30 13 13-0083 Disposals <small>(11 30 13 13)</small>		
11 30 13 13-0084 EA 1/3 HP Insulated Garbage Disposal (GE GFC320V)	191.85	52.59
11 30 13 13-0085 EA 1/2 HP Insulated Garbage Disposal (GE GFC520V)	216.97	52.59
11 30 13 13-0086 EA 3/4 HP Insulated Garbage Disposal (GE GFC720V)	279.76	52.59
11 30 13 13-0087 EA 1 HP Insulated Garbage Disposal (GE GFC1020V)	342.55	52.59
11 30 13 13-0088 Removal And Reinstallation Of Kitchen Equipment <small>(11 30 13 13)</small>		
Note: Includes storage, cleaning and final connections.		
11 30 13 13-0089 EA Removal And Reinstallation Of Garbage Disposal	105.20	
11 30 13 13-0090 EA Removal And Reinstallation Of Stove/Range	210.38	
11 30 13 13-0091 EA Removal And Reinstallation Of Dishwasher	224.42	
11 30 13 13-0092 EA Removal And Reinstallation Of Range Hood	105.20	
11 30 13 13-0093 EA Removal And Reinstallation Of Washer And Dryer.....	175.32	
11 30 13 13-0094 Appliance Repair <small>(11 30 13 13)</small>		
Note: Includes removal.		
11 30 13 13-0095 EA 8" Burner Replacement.....	24.98	
11 30 13 13-0096 EA 4" Burner Element Replacement.....	43.13	
11 30 13 13-0097 EA 8" Burner Element Replacement.....	49.70	
11 30 13 13-0098 EA Burner Manifold Replacement	173.24	
11 30 13 13-0099 EA Burner Switch Replacement	68.81	
11 30 13 13-0100 EA Burner Tube, 5/8" x 4" Replacement	33.23	
11 30 13 13-0101 EA Oven Control Replacement.....	81.86	
11 30 13 13-0102 EA Oven Door Gasket Replacement	34.11	
11 30 13 13-0103 EA Oven Element Replacement	76.61	
11 30 13 13-0104 EA Oven Igniter Replacement	55.03	
11 30 13 13-0105 EA Oven Knobs Replacement	41.74	
11 30 13 13-0106 Accessories <small>(11 30 13 13)</small>		
11 30 13 13-0107 SF Colored Metal Range Splash Plate.....	12.88	2.81
11 30 13 13-0108 SF Stainless Steel Range Splash Plate	18.73	2.81
11 30 13 13-0109 Automatic Water Softener <small>(11 30 13 13)</small>		
11 30 13 13-0110 EA 30,000 Grain Capacity, Water Softener (Whirlpool WHES30)	881.78	175.91
11 30 13 13-0111 EA 40,000 Grain Capacity, Water Softener (Whirlpool WHES40)	1,036.05	175.91

11 30 13 23 Residential Laundry Appliances (11 30 13)

11	Equipment
11 30	Residential Equipment
11 30 13	Residential Appliances



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 23-0001 Washing Machines And Dryers <small>(11 30 13 23)</small>		
11 30 13 23-0002 Washing Machines <small>(11 30 13 23-0001)</small>		
11 30 13 23-0003 EA Up To 3.5 CF, Top Load Washing Machine.....	620.07	70.13
11 30 13 23-0004 EA >3.5 To 4 CF, Top Load Washing Machine.....	984.25	70.13
11 30 13 23-0005 EA >4 To 5 CF, Top Load Washing Machine.....	1,298.20	70.13
11 30 13 23-0006 Dryers <small>(11 30 13 23-0001)</small>		
11 30 13 23-0007 Electric Dryers <small>(11 30 13 23-0006)</small>		
11 30 13 23-0008 EA Up To 6 CF, Electric Dryer.....	480.68	70.13
11 30 13 23-0009 EA >6 To 6.5 CF, Electric Dryer.....	607.51	70.13
11 30 13 23-0010 EA >6.5 To 7 CF, Electric Dryer.....	745.65	70.13
11 30 13 23-0011 EA >7 To 7.5 CF, Electric Dryer.....	846.11	70.13
11 30 13 23-0012 Gas Dryers <small>(11 30 13 23-0006)</small>		
11 30 13 23-0013 EA Up To 6 CF, Gas Dryer.....	569.83	70.13
11 30 13 23-0014 EA >6 To 6.5 CF, Gas Dryer.....	695.41	70.13
11 30 13 23-0015 EA >6.5 To 7 CF, Gas Dryer.....	820.86	70.13
11 30 13 23-0016 EA >7 To 7.5 CF, Gas Dryer.....	934.02	70.13
11 30 33 Retractable Stairs <small>(11 30)</small>		
11 30 33 00-0001 Disappearing Folding Access Stairs <small>(11 30 33)</small>		
11 30 33 00-0002 250 LB Capacity, Wood Folding Access Stairs <small>(11 30 33 00-0001)</small>		
11 30 33 00-0003 EA 22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity.....	680.55	193.00
11 30 33 00-0004 EA 22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity.....	694.71	193.00
11 30 33 00-0005 EA 25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity.....	694.71	193.00
11 30 33 00-0006 EA 25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity.....	708.52	193.00
11 30 33 00-0007 350 LB Capacity, Wood Folding Access Stairs <small>(11 30 33 00-0001)</small>		
11 30 33 00-0008 EA 22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity.....	809.82	193.00
11 30 33 00-0009 EA 22-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity.....	838.45	193.00
11 30 33 00-0010 EA 25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity.....	826.67	193.00
11 30 33 00-0011 EA 25-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity.....	854.03	193.00
11 30 33 00-0012 EA 30" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity.....	843.03	193.00
11 30 33 00-0013 EA 30" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity.....	890.31	193.00
11 30 33 00-0014 300 LB Capacity, Aluminum Folding Access Stairs <small>(11 30 33 00-0001)</small>		
11 30 33 00-0015 EA 22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity.....	671.31	193.00
11 30 33 00-0016 EA 22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity.....	697.86	193.00
11 30 33 00-0017 EA 25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity.....	678.70	193.00
11 30 33 00-0018 EA 25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity.....	705.24	193.00
11 30 33 00-0019 EA 25-1/2" x 54" Rough Opening, 10' 5" To 12' Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity.....	853.04	193.00
11 30 33 00-0020 300 LB Capacity, Steel Folding Access Stairs <small>(11 30 33 00-0001)</small>		
11 30 33 00-0021 EA 22-1/2" x 54" Rough Opening, 7' 3" To 8' 4" Ceiling Height, Steel Folding Access Stairs, 300 LB Capacity.....	636.59	193.00
11 30 33 00-0022 EA 22-1/2" x 54" Rough Opening, 8' 4" To 10' 3" Ceiling Height, Steel Folding Access Stairs, 300 LB Capacity.....	663.19	193.00
11 32 Unit Kitchens <small>(11 30)</small>		
11 32 13 Metal Unit Kitchens <small>(11 32)</small>		
Note: Includes electrical hook-up to outlet, supply line connection to service stops, and drain line and p-trap. Excludes garbage disposer and hood exhaust vent piping.		
11 32 13 00-0001 30" Compact Kitchen <small>(11 32 13)</small>		
11 32 13 00-0002 EA 30" Compact Unit Kitchen With Refrigerator, Range And Sink.....	2,705.75	477.79
<i>For Gas Unit, Add</i>		
	310.30	
11 32 13 00-0003 EA 30" Compact Unit Kitchen With Refrigerator And Sink.....	2,360.90	334.45
11 32 13 00-0004 EA 30" Compact Unit Kitchen With Refrigerator And Range.....	2,176.29	286.68
11 32 13 00-0005 EA 30" Compact Unit Kitchen Cabinet For Upper Wall Section.....	645.61	289.40
11 32 13 00-0006 EA 30" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section.....	1,393.64	192.94
<i>For Range Hood In Upper Section, Add</i>		
	179.00	
11 32 13 00-0007 EA 30" Compact Unit Kitchen Stainless Steel Shield For Rear Wall.....	83.54	14.02
11 32 13 00-0008 EA 30" Compact Unit Kitchen Stainless Steel Shield For Side Wall.....	73.67	14.02
11 32 13 00-0009 42" Compact Kitchen <small>(11 32 13)</small>		
11 32 13 00-0010 EA 42" Compact Unit Kitchen With Refrigerator, Range And Sink.....	3,176.51	525.57
<i>For Gas Unit, Add</i>		
	371.36	
11 32 13 00-0011 EA 42" Compact Unit Kitchen With Refrigerator And Sink.....	2,902.29	430.01
11 32 13 00-0012 EA 42" Compact Unit Kitchen Cabinet For Upper Wall Section.....	832.62	164.00



Equipment	11	
Residential Equipment	11 30	11
Unit Kitchens	11 32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 32 13 00-0013 EA 42" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section <i>For Range Hood In Upper Section, Add</i>	1,621.47 179.00	217.06
11 32 13 00-0014 EA 42" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	102.75	14.02
11 32 13 00-0015 EA 42" Compact Unit Kitchen Stainless Steel Shield For Side Wall	83.33	14.02
11 32 13 00-0016 54" Compact Kitchen <small>(11 32 13)</small>		
11 32 13 00-0017 EA 54" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink..... <i>For Gas Unit, Add</i>	4,335.90 516.60	668.91
11 32 13 00-0018 EA 54" Compact Unit Kitchen Cabinet For Upper Wall Section.....	1,038.92	96.47
11 32 13 00-0019 EA 54" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section <i>For Range Hood In Upper Section, Add</i>	1,803.28 179.00	241.17
11 32 13 00-0020 EA 54" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	120.67	14.02
11 32 13 00-0021 EA 54" Compact Unit Kitchen Stainless Steel Shield For Side Wall	85.99	14.02
11 32 13 00-0022 60" Compact Kitchen <small>(11 32 13)</small>		
11 32 13 00-0023 EA 60" Compact Unit Kitchen With Refrigerator, Oven, Range, And Sink..... <i>For Gas Unit, Add</i>	4,550.20 539.19	716.68
11 32 13 00-0024 EA 60" Compact Unit Kitchen Cabinet For Upper Wall Section.....	1,224.44	241.17
11 32 13 00-0025 EA 60" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	129.00	14.02
11 32 13 00-0026 EA 60" Compact Unit Kitchen Stainless Steel Shield For Side Wall	85.99	14.02
11 32 13 00-0027 72" Compact Kitchen <small>(11 32 13)</small>		
11 32 13 00-0028 EA 72" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink..... <i>For Gas Unit, Add</i>	4,883.22 579.59	764.47
11 32 13 00-0029 EA 72" Compact Unit Kitchen Cabinet For Upper Wall Section.....	1,499.01	289.40
11 32 13 00-0030 EA 72" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	151.60	17.53
11 32 13 00-0031 EA 72" Compact Unit Kitchen Stainless Steel Shield For Side Wall	89.17	17.53
11 40 Foodservice Equipment <small>(11)</small>		
11 41 Foodservice Storage Equipment <small>(11 40)</small>		
11 41 13 Refrigerated Food Storage Cases <small>(11 41)</small>		
11 41 13 00-0001 Frozen Food Cases <small>(11 41 13)</small>		
11 41 13 00-0002 LF Chest Type Frozen Food Case	1,119.88	277.82
11 41 13 00-0003 LF Reach-in Frozen Food Case (Glass Door).....	2,140.74	277.82
11 41 13 00-0004 LF Island Type Frozen Food Case.....	1,298.73	277.82
11 41 13 00-0005 LF Multi-Deck Frozen Food Case	2,054.18	277.82
11 41 13 00-0006 Reach-In Refrigerators <small>(11 41 13)</small>		
11 41 13 00-0007 EA Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator.....	3,602.14	137.09
11 41 13 00-0008 EA Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator	4,438.26	172.90
11 41 13 00-0009 EA Three Section, 69.1 CF, Full Door, Self Contained, Reach-In Refrigerator	5,917.14	191.02
11 41 13 00-0010 EA Single Section, Glass Door, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	3,356.63	137.09
11 41 13 00-0011 EA Two Section, Glass Door, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator	4,364.83	172.90
11 41 13 00-0012 EA Three Section, Glass Door, 61.1 CF, Full Door, Self Contained, Reach-In Refrigerator.....	5,789.70	191.02
11 41 13 00-0013 EA Single Section, Pass-Thru, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	4,318.35	137.09
11 41 13 00-0014 EA Two Section, Pass-Thru, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator.....	5,837.55	172.90
11 41 13 00-0015 EA Single Section, Pass-Thru, Glass Door, 25.6 CF, Full Door, Self Contained, Reach-In Refrigerator.....	4,537.16	137.09
11 41 13 00-0016 EA Two Section, Pass-Thru, Glass Door, 48.8 CF, Full Door, Self Contained, Reach-In Refrigerator.....	6,527.74	172.90
11 41 13 00-0017 Reach-In Freezers <small>(11 41 13)</small>		
11 41 13 00-0018 EA Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Freezer	4,046.30	137.25
11 41 13 00-0019 EA Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Freezer.....	5,362.50	172.65
11 41 23 Walk-In-Coolers <small>(11 41)</small>		
11 41 23 00-0001 Walk-In Refrigerated Boxes <small>(11 41 23)</small>		
Note: Overall heights include 4" floor panel and 4" ceiling panel. See CSI section 11 41 23 00-0171 for air cooled condensing units for coolers and freezers, 11 41 23 00-0282 for accessories, 21 13 16 00-0000 for dry-pipe sprinkler heads, 26 50 00 00-0000 for lighting.		
11 41 23 00-0002 Walk-In Refrigerated Unit, 7'6" High With Floor <small>(11 41 23 00-0001)</small>		
Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.		
11 41 23 00-0003 EA 6' x 6' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	7,497.28 -1,485.60	1,165.98
11 41 23 00-0004 EA 6' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	8,930.63 -1,795.42	1,311.72
11 41 23 00-0005 EA 6' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	9,481.48 -1,884.55	1,457.47

11 Equipment

11 40 Foodservice Equipment

11 41 Foodservice Storage Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0006	EA		6' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	10,757.00	1,748.96
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,106.57	
11 41 23 00-0007	EA		6' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	12,416.76	2,040.45
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,424.40	
11 41 23 00-0008	EA		6' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	13,753.15	2,331.94
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,660.84	
11 41 23 00-0009	EA		6' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	15,066.73	2,623.43
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,892.20	
11 41 23 00-0010	EA		8' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	9,845.47	1,457.47
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,975.55	
11 41 23 00-0011	EA		8' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	10,777.89	1,603.21
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,160.21	
11 41 23 00-0012	EA		8' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	12,175.90	1,894.71
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,412.13	
11 41 23 00-0013	EA		8' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	13,986.31	2,186.20
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,767.85	
11 41 23 00-0014	EA		8' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	15,404.93	2,477.69
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,025.63	
11 41 23 00-0015	EA		8' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	16,867.13	2,769.18
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,293.56	
11 41 23 00-0016	EA		8' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	18,284.08	3,060.68
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,551.34	
11 41 23 00-0017	EA		8' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	19,742.47	3,352.17
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,817.93	
11 41 23 00-0018	EA		8' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	21,166.41	3,643.66
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,077.05	
11 41 23 00-0019			Walk-In Refrigerated Unit, 7'6" High With Floor <small>(11 41 23 00-0001)</small>		
			Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.		
11 41 23 00-0020	EA		10' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	12,193.76	1,748.96
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,465.76	
11 41 23 00-0021	EA		10' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	13,711.55	2,040.45
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,748.10	
11 41 23 00-0022	EA		10' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	15,292.39	2,331.94
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,045.65	
11 41 23 00-0023	EA		10' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	16,789.56	2,623.43
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,322.91	
11 41 23 00-0024	EA		10' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	18,390.57	2,914.93
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,626.86	
11 41 23 00-0025	EA		10' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	19,889.43	3,206.43
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,902.79	
11 41 23 00-0026	EA		10' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	21,494.77	3,497.92
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,208.34	
11 41 23 00-0027	EA		10' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,984.99	3,789.41
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,484.01	
11 41 23 00-0028	EA		10' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	24,590.13	4,080.90
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,787.96	
11 41 23 00-0029	EA		10' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,090.75	4,372.39
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,065.22	
11 41 23 00-0030	EA		10' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,888.90	4,809.63
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,369.44	
11 41 23 00-0031	EA		10' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,565.07	5,246.88
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,645.10	
11 41 23 00-0032	EA		12' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	15,123.13	2,186.20
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,052.05	



Equipment	11
Foodservice Equipment	11 40
Foodservice Storage Equipment	11 41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0033	EA		12' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	16,861.97	2,477.69
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,389.89	
11 41 23 00-0034	EA		12' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	18,468.28	2,769.18
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,693.84	
11 41 23 00-0035	EA		12' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,199.05	3,060.68
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,030.08	
11 41 23 00-0036	EA		12' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	21,813.29	3,352.17
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,335.64	
11 41 23 00-0037	EA		12' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	23,544.64	3,643.66
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,671.61	
11 41 23 00-0038	EA		12' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	25,144.91	3,935.16
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,975.56	
11 41 23 00-0039	EA		12' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,888.14	4,226.65
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,313.40	
11 41 23 00-0040	EA		12' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,593.20	4,591.01
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,617.35	
11 41 23 00-0041	EA		12' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,520.49	5,028.26
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,953.59	
11 41 23 00-0042	EA		12' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	32,323.90	5,465.50
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,259.14	
11 41 23 00-0043	EA		12' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	34,244.48	5,902.73
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,595.12	
11 41 23 00-0044	EA		12' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	36,037.18	6,339.97
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,899.07	
11 41 23 00-0045			Walk-In Refrigerated Unit, 7'6" High With Floor <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.		
11 41 23 00-0046	EA		14' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	19,855.22	2,623.43
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,089.33	
11 41 23 00-0047	EA		14' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	21,782.86	2,914.93
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,474.93	
11 41 23 00-0048	EA		14' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	23,864.54	3,206.43
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,896.57	
11 41 23 00-0049	EA		14' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	25,791.18	3,497.92
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,282.45	
11 41 23 00-0050	EA		14' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,858.87	3,789.41
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,702.48	
11 41 23 00-0051	EA		14' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,798.12	4,080.90
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,089.96	
11 41 23 00-0052	EA		14' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	31,869.81	4,372.39
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,509.99	
11 41 23 00-0053	EA		14' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	33,994.60	4,809.63
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,895.87	
11 41 23 00-0054	EA		14' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	36,254.66	5,246.88
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,317.50	
11 41 23 00-0055	EA		14' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	38,403.39	5,684.12
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,703.11	
11 41 23 00-0056	EA		14' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	40,651.10	6,121.35
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,123.41	
11 41 23 00-0057	EA		14' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	42,787.27	6,485.72
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,510.62	
11 41 23 00-0058			Walk-In Refrigerated Unit, 7'6" High With Floor <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.		
11 41 23 00-0059	EA		16' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	23,786.68	3,060.68
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,926.99	

11 Equipment
11 40 Foodservice Equipment
11 41 Foodservice Storage Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0060	EA		16' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,002.95	3,352.17
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,383.05	
11 41 23 00-0061	EA		16' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,148.47	3,643.66
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,822.57	
11 41 23 00-0062	EA		16' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,363.58	3,935.16
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,280.23	
11 41 23 00-0063	EA		16' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	32,513.49	4,226.65
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,719.74	
11 41 23 00-0064	EA		16' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	34,826.99	4,591.01
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,175.80	
11 41 23 00-0065	EA		16' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	37,173.78	5,028.26
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,616.91	
11 41 23 00-0066	EA		16' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	39,579.22	5,465.50
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,072.97	
11 41 23 00-0067	EA		16' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	41,913.97	5,902.73
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,512.49	
11 41 23 00-0068	EA		16' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	44,321.50	6,339.97
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,970.15	
11 41 23 00-0069	EA		18' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,812.89	3,497.92
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,787.87	
11 41 23 00-0070	EA		18' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,083.40	3,789.41
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,258.61	
11 41 23 00-0071	EA		18' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	32,469.90	4,080.90
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,757.90	
11 41 23 00-0072	EA		18' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	34,739.07	4,372.39
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,227.30	
11 41 23 00-0073	EA		18' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	37,322.85	4,809.63
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,727.93	
11 41 23 00-0074	EA		18' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	39,773.97	5,246.88
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,197.33	
11 41 23 00-0075	EA		18' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	42,377.44	5,684.12
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,696.62	
11 41 23 00-0076	EA		18' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	44,826.88	6,121.35
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,167.36	
11 41 23 00-0077	EA		18' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	47,411.37	6,558.59
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,666.65	
11 41 23 00-0078	EA		18' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	50,049.40	7,093.00
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-10,136.05	
11 41 23 00-0079			Walk-In Refrigerated Unit, 8'6" High With Floor <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.		
11 41 23 00-0080	EA		6' x 6' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	7,883.69	1,165.98
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,582.20	
11 41 23 00-0081	EA		6' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	9,080.07	1,311.72
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,832.78	
11 41 23 00-0082	EA		6' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	9,972.50	1,457.47
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,007.30	
11 41 23 00-0083	EA		6' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	11,320.61	1,748.96
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,247.48	
11 41 23 00-0084	EA		6' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	13,012.39	2,040.45
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,573.31	
11 41 23 00-0085	EA		6' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	14,421.37	2,331.94
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,827.89	
11 41 23 00-0086	EA		6' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	15,766.96	2,623.43
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,067.26	



Equipment	11
Foodservice Equipment	11 40
Foodservice Storage Equipment	11 41

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0087 EA 8' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	10,377.05	1,457.47
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,108.44	
11 41 23 00-0088 EA 8' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	11,341.49	1,603.21
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,301.11	
11 41 23 00-0089 EA 8' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	12,812.09	1,894.71
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,571.17	
11 41 23 00-0090 EA 8' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	14,654.53	2,186.20
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,934.90	
11 41 23 00-0091 EA 8' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	16,145.73	2,477.69
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,210.83	
11 41 23 00-0092 EA 8' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	17,639.95	2,769.18
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,486.76	
11 41 23 00-0093 EA 8' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	19,129.48	3,060.68
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,762.69	
11 41 23 00-0094 EA 8' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,619.90	3,352.17
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,037.29	
11 41 23 00-0095 EA 8' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,116.42	3,643.66
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,314.55	
11 41 23 00-0096 Walk-In Refrigerated Unit, 8'6" High With Floor <small>(11 41 23 00-0001)</small>		
Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.		
11 41 23 00-0097 EA 10' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	12,789.39	1,748.96
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,614.67	
11 41 23 00-0098 EA 10' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	14,379.77	2,040.45
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,915.15	
11 41 23 00-0099 EA 10' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	15,992.62	2,331.94
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,220.70	
11 41 23 00-0100 EA 10' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	17,562.38	2,623.43
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,516.12	
11 41 23 00-0101 EA 10' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	19,195.41	2,914.93
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,828.07	
11 41 23 00-0102 EA 10' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,766.86	3,206.43
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,122.15	
11 41 23 00-0103 EA 10' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,404.22	3,497.92
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,435.71	
11 41 23 00-0104 EA 10' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	23,967.02	3,789.41
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,729.52	
11 41 23 00-0105 EA 10' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	25,604.19	4,080.90
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,041.47	
11 41 23 00-0106 EA 10' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,177.39	4,372.39
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,336.88	
11 41 23 00-0107 EA 10' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,007.57	4,809.63
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,649.11	
11 41 23 00-0108 EA 10' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,756.33	5,174.01
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,942.92	
11 41 23 00-0109 EA 12' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	15,863.92	2,186.20
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,237.25	
11 41 23 00-0110 EA 12' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	17,634.79	2,477.69
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,583.10	
11 41 23 00-0111 EA 12' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	19,313.68	2,769.18
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,905.19	
11 41 23 00-0112 EA 12' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	21,076.48	3,060.68
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,249.44	
11 41 23 00-0113 EA 12' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,763.30	3,352.17
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,573.14	

11	Equipment
11 40	Foodservice Equipment
11 41	Foodservice Storage Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0114	EA		12' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	24,526.68	3,643.66
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,917.12	
11 41 23 00-0115	EA		12' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,199.53	3,935.16
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,239.21	
11 41 23 00-0116	EA		12' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,974.78	4,226.65
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,585.06	
11 41 23 00-0117	EA		12' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,752.43	4,591.01
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,907.16	
11 41 23 00-0118	EA		12' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	31,711.75	5,028.26
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,251.41	
11 41 23 00-0119	EA		12' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	33,587.74	5,465.50
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,575.10	
11 41 23 00-0120	EA		12' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	35,540.34	5,902.73
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,919.08	
11 41 23 00-0121	EA		12' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	37,405.62	6,339.97
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,241.18	
11 41 23 00-0122			Walk-In Refrigerated Unit, 8'6" High With Floor <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.		
11 41 23 00-0123	EA		14' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,660.06	2,623.43
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,290.54	
11 41 23 00-0124	EA		14' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,660.29	2,914.93
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,694.29	
11 41 23 00-0125	EA		14' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	24,773.99	3,206.43
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,123.93	
11 41 23 00-0126	EA		14' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,773.21	3,497.92
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,527.95	
11 41 23 00-0127	EA		14' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,872.93	3,789.41
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,955.99	
11 41 23 00-0128	EA		14' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,884.76	4,080.90
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,361.62	
11 41 23 00-0129	EA		14' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	32,988.48	4,372.39
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,789.66	
11 41 23 00-0130	EA		14' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	35,185.85	4,809.63
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,193.68	
11 41 23 00-0131	EA		14' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	37,477.93	5,246.88
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,623.32	
11 41 23 00-0132	EA		14' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	39,699.25	5,684.12
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,027.07	
11 41 23 00-0133	EA		14' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	41,978.98	6,121.35
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,455.38	
11 41 23 00-0134	EA		14' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	44,187.74	6,558.59
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,860.74	
11 41 23 00-0135			Walk-In Refrigerated Unit, 8'6" High With Floor <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.		
11 41 23 00-0136	EA		16' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	24,736.69	3,060.68
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,164.49	
11 41 23 00-0137	EA		16' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,984.98	3,352.17
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,628.56	
11 41 23 00-0138	EA		16' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,203.09	3,643.66
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,086.22	
11 41 23 00-0139	EA		16' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	31,450.22	3,935.16
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,551.89	
11 41 23 00-0140	EA		16' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	33,672.72	4,226.65
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,009.55	



Equipment	11
Foodservice Equipment	11 40
Foodservice Storage Equipment	11 41

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0141 EA 16' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	36,018.24	4,591.01
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,473.61	
11 41 23 00-0142 EA 16' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	38,437.62	5,028.26
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,932.87	
11 41 23 00-0143 EA 16' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	40,875.08	5,465.50
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,396.94	
11 41 23 00-0144 EA 16' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	43,282.41	5,902.73
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,854.60	
11 41 23 00-0145 EA 16' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	45,721.97	6,339.97
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,320.27	
11 41 23 00-0146 EA 18' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,826.95	3,497.92
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,041.39	
11 41 23 00-0147 EA 18' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	31,170.04	3,789.41
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,530.27	
11 41 23 00-0148 EA 18' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	33,588.56	4,080.90
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,037.57	
11 41 23 00-0149 EA 18' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	35,930.32	4,372.39
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,525.12	
11 41 23 00-0150 EA 18' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	38,546.12	4,809.63
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,033.75	
11 41 23 00-0151 EA 18' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	41,069.83	5,246.88
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,521.29	
11 41 23 00-0152 EA 18' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	43,705.32	5,684.12
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,028.59	
11 41 23 00-0153 EA 18' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	46,227.35	6,121.35
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,517.47	
11 41 23 00-0154 EA 18' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	48,843.87	6,558.59
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-10,024.77	
11 41 23 00-0155 EA 18' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	51,554.48	7,093.00
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-10,512.32	
11 41 23 00-0156 Walk-In Refrigerated Unit Metal Price Add-Ons (11 41 23 00-0001)		
11 41 23 00-0157 SF Metal Price Add-on, 190 Series Embossed White Polyester vs. 24 Gauge Galvalume.....	0.45	
11 41 23 00-0158 SF Metal Price Add-ons, 24 GA White Polyester vs. 24 Gauge Galvalume.....	0.84	
11 41 23 00-0159 SF Metal Price Add-ons, 0.038" Stucco Embossed Aluminum vs. 24 Gauge Galvalume.....	1.18	
11 41 23 00-0160 SF Metal Price Add-ons, 22 GA Stainless Steel vs. 24 Gauge Galvalume.....	8.33	
11 41 23 00-0161 SF Metal Price Add-ons, 20 GA Stainless Steel vs. 24 Gauge Galvalume.....	10.89	
11 41 23 00-0162 SF Metal Price Add-ons, 24 GA Embossed Tan Polyester vs. 24 Gauge Galvalume.....	1.34	
11 41 23 00-0163 SF Metal Price Add-ons, 0.040" Embossed White Aluminum vs. 24 Gauge Galvalume.....	3.30	
11 41 23 00-0164 SF Metal Price Add-ons, 0.040" Smooth White Aluminum vs. 24 Gauge Galvalume.....	4.27	
11 41 23 00-0165 SF Metal Price Add-ons, 24 GA Smooth Kynar Painted vs. 24 Gauge Galvalume.....	4.48	
11 41 23 00-0166 SF Metal Price Deducts, 14 GA Galvanized vs. 10 Gauge Smooth Aluminum Interior Floor.....	-6.01	
11 41 23 00-0167 SF Metal Price Add-ons, 16 GA Stainless Steel Type 430 vs. 10 Gauge Smooth Aluminum Interior Floor.....	2.51	
11 41 23 00-0168 SF Metal Price Add-ons, 16 GA Stainless Steel Type 304 vs. 10 Gauge Smooth Aluminum Interior Floor.....	6.52	
11 41 23 00-0169 SF Metal Price Add-ons, 12 GA Rigid Aluminum vs. 10 Gauge Smooth Aluminum Interior Floor.....	5.71	
11 41 23 00-0170 SF Metal Price Add-ons, 16 GA Rigid Stainless Steel vs. 10 Gauge Smooth Aluminum Interior Floor.....	18.52	
11 41 23 00-0171 Air Cooled Condensing Units For Walk-In Coolers And Freezers (11 41 23)		
11 41 23 00-0172 Medium Temperature Hermetic System, Indoor (11 41 23 00-0171)		
Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0173 208/230 Volt, 1 Phase (11 41 23 00-0172)		
Note: Pre-Assembled indoor R404a.		
11 41 23 00-0174 EA 1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,084.16	131.94
11 41 23 00-0175 EA 3/4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,260.73	153.93
11 41 23 00-0176 EA 1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,756.81	175.91
11 41 23 00-0177 EA 1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,053.92	197.91
11 41 23 00-0178 EA 2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,466.38	219.89
11 41 23 00-0179 EA 3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,023.72	263.87
11 41 23 00-0180 EA 4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,813.14	307.85
11 41 23 00-0181 EA 5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,313.94	351.83
11 41 23 00-0182 208/230 Volt, 3 Phase (11 41 23 00-0172)		
Note: Pre-Assembled indoor R404a.		

11	Equipment
11 40	Foodservice Equipment
11 41	Foodservice Storage Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0183 EA 1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	3,762.08	175.91
11 41 23 00-0184 EA 1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	4,053.92	197.91
11 41 23 00-0185 EA 2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	4,513.85	219.89
11 41 23 00-0186 EA 3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	4,967.20	263.87
11 41 23 00-0187 EA 4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,813.14	307.85
11 41 23 00-0188 EA 5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	7,248.39	351.83
11 41 23 00-0189 Medium Temperature Hermetic System, Outdoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0190 208/230 Volt, 1 Phase <small>(11 41 23 00-0189)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0191 EA 1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,302.66	131.94
11 41 23 00-0192 EA 3/4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,637.47	153.93
11 41 23 00-0193 EA 1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,194.58	175.91
11 41 23 00-0194 EA 1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,372.64	197.91
11 41 23 00-0195 EA 2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,694.68	219.89
11 41 23 00-0196 EA 3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,349.22	263.87
11 41 23 00-0197 EA 4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,143.92	307.85
11 41 23 00-0198 EA 5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,646.98	351.83
11 41 23 00-0199 208/230 Volt, 3 Phase <small>(11 41 23 00-0189)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0200 EA 1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,166.70	175.91
11 41 23 00-0201 EA 1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,383.94	197.91
11 41 23 00-0202 EA 2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,753.45	219.89
11 41 23 00-0203 EA 3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,293.46	263.87
11 41 23 00-0204 EA 4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,161.25	307.85
11 41 23 00-0205 EA 5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,577.66	351.83
11 41 23 00-0206 Low Temperature Hermetic System, Indoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0207 208/230 Volt, 1 Phase <small>(11 41 23 00-0206)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0208 EA 1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	263.88	131.94
11 41 23 00-0209 EA 3/4 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,632.95	153.93
11 41 23 00-0210 EA 1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,809.55	175.91
11 41 23 00-0211 EA 1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,070.49	197.91
11 41 23 00-0212 EA 2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,429.46	219.89
11 41 23 00-0213 EA 3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,230.92	263.87
11 41 23 00-0214 208/230 Volt, 3 Phase <small>(11 41 23 00-0206)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0215 EA 1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	3,814.82	175.91
11 41 23 00-0216 EA 1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	4,070.49	197.91
11 41 23 00-0217 EA 2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	4,478.43	219.89
11 41 23 00-0218 EA 3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,176.67	263.87
11 41 23 00-0219 Low Temperature Hermetic System, Outdoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0220 208/230 Volt, 1 Phase <small>(11 41 23 00-0219)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0221 EA 1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,886.61	131.94
11 41 23 00-0222 EA 3/4 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,947.90	153.93
11 41 23 00-0223 EA 1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,163.69	175.91
11 41 23 00-0224 EA 1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,514.29	197.91
11 41 23 00-0225 EA 2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,926.00	219.89
11 41 23 00-0226 EA 3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,547.38	263.87
11 41 23 00-0227 208/230 Volt, 3 Phase <small>(11 41 23 00-0219)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0228 EA 1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	4,300.07	175.91
11 41 23 00-0229 EA 1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	4,581.35	197.91
11 41 23 00-0230 EA 2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	4,980.25	219.89
11 41 23 00-0231 EA 3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,492.38	263.87
11 41 23 00-0232 Medium Temperature Semi-Hermetic System, Indoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		



Equipment	11	
Foodservice Equipment	11 40	11
Foodservice Storage Equipment	11 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0233 208/230 Volt, 1 Phase <small>(11 41 23 00-0232)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0234 EA 1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,985.11	175.91
11 41 23 00-0235 EA 5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	9,113.25	351.83
11 41 23 00-0236 208/230 Volt, 3 Phase <small>(11 41 23 00-0232)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0237 EA 1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	3,988.12	175.91
11 41 23 00-0238 EA 2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,512.21	219.89
11 41 23 00-0239 EA 3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,879.54	263.87
11 41 23 00-0240 EA 5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	8,990.43	351.83
11 41 23 00-0241 Medium Temperature Semi-Hermetic System, Outdoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0242 208/230 Volt, 1 Phase <small>(11 41 23 00-0241)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0243 EA 1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,364.86	175.91
11 41 23 00-0244 EA 5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	10,753.58	351.83
11 41 23 00-0245 208/230 Volt, 3 Phase <small>(11 41 23 00-0241)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0246 EA 1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	4,372.40	175.91
11 41 23 00-0247 EA 2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,164.10	219.89
11 41 23 00-0248 EA 3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	7,422.04	263.87
11 41 23 00-0249 EA 5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	9,722.06	351.83
11 41 23 00-0250 Low Temperature Semi-Hermetic System, Indoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0251 208/230 Volt, 1 Phase <small>(11 41 23 00-0250)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0252 EA 3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,070.72	153.93
11 41 23 00-0253 EA 1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,351.30	175.91
11 41 23 00-0254 EA 1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,104.27	197.91
11 41 23 00-0255 EA 2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,911.55	219.89
11 41 23 00-0256 EA 3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,471.02	263.87
11 41 23 00-0257 208/230 Volt, 3 Phase <small>(11 41 23 00-0250)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0258 EA 3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	4,049.62	153.93
11 41 23 00-0259 EA 1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	4,348.29	175.91
11 41 23 00-0260 EA 1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,075.63	197.91
11 41 23 00-0261 EA 2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,861.82	219.89
11 41 23 00-0262 EA 3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	7,206.55	263.87
11 41 23 00-0263 EA 4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	10,063.66	307.85
11 41 23 00-0264 EA 6 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	10,628.98	395.81
11 41 23 00-0265 EA 7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	15,298.42	461.78
11 41 23 00-0266 Low Temperature Semi-Hermetic System, Outdoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0267 208/230 Volt, 1 Phase <small>(11 41 23 00-0266)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0268 EA 3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,479.86	153.93
11 41 23 00-0269 EA 1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,699.41	175.91
11 41 23 00-0270 EA 1-1/2 Low Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,466.69	197.91
11 41 23 00-0271 EA 2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,279.25	219.89

11	Equipment
11 40	Foodservice Equipment
11 41	Foodservice Storage Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0272 EA 3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,863.58	263.87
11 41 23 00-0273 208/230 Volt, 3 Phase <small>(11 41 23 00-0266)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0274 EA 3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,413.55	153.93
11 41 23 00-0275 EA 1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,702.42	175.91
11 41 23 00-0276 EA 1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,455.39	197.91
11 41 23 00-0277 EA 2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,223.49	219.89
11 41 23 00-0278 EA 3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,624.73	263.87
11 41 23 00-0279 EA 4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	11,100.44	307.85
11 41 23 00-0280 EA 6 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	11,732.08	395.81
11 41 23 00-0281 EA 7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	16,488.92	461.78
11 41 23 00-0282 Walk-In Refrigerated Boxes Accessories <small>(11 41 23)</small> See CSI section 08 71 00 00-0000 for additional door accessories.		
11 41 23 00-0283 Accessories <small>(11 41 23 00-0282)</small>		
11 41 23 00-0284 EA Super Door Package, For 36" Or 42" Door.....	622.11	
Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.		
11 41 23 00-0285 EA Super Door Package, For 48" Door.....	823.85	
Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.		
11 41 23 00-0286 EA Super Door Package, For 60" Door.....	823.85	
Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.		
11 41 23 00-0287 EA 14" x 24" Observation Window, Heated.....	914.30	
11 41 23 00-0288 EA Heated Air Vent, Kason.....	353.90	
11 41 23 00-0289 EA Heated Air Vent, Bally Polyvinyl Chloride (PVC).....	786.21	
11 41 23 00-0290 EA Interior Ramps, For 36" Or 42" Wide Doors.....	1,111.22	
11 41 23 00-0291 EA Interior Ramps, For 48" Wide Doors.....	1,212.62	
11 41 23 00-0292 EA Interior Ramps, For 60" Wide Doors.....	1,330.04	
11 41 23 00-0293 EA Exterior Ramps, For 36" Or 42" Wide Doors.....	464.36	
11 41 23 00-0294 EA Exterior Ramps, For 48" Wide Doors.....	831.55	
11 41 23 00-0295 EA Exterior Ramps, For 60" Wide Doors.....	831.55	
11 41 23 00-0296 EA Field Installed Extra Vapor-Proof Lights.....	118.77	
11 41 23 00-0297 EA Field Installed Fluorescent Lights, 48", 2 Tubes.....	499.84	
11 41 23 00-0298 EA Alarm With Digital Thermostat Modularm 75 With Adjustable Setting (Flush Mounted).....	1,086.93	
11 41 23 00-0299 EA Alarm With Digital Thermostat Modularm 75B (Battery Backup) (Flush Mounted).....	1,141.37	
11 41 23 00-0300 EA Alarm With Digital Thermostat National TM100 With Adjustable Setting (Flush Mounted).....	553.21	
11 41 23 00-0301 EA Locking Devices, 36" Or 42" Wide Locking Bar.....	319.45	
11 41 23 00-0302 EA Locking Devices, 48" Wide Locking Bar.....	362.14	
11 41 23 00-0303 EA Locking Devices, 60" Wide Locking Bar.....	362.14	
11 41 23 00-0304 EA Locking Devices, Mortise Dead Bolt (Cooler).....	631.14	
11 41 23 00-0305 EA Locking Devices, Mortise Dead Bolt (Freezer).....	772.04	
11 41 23 00-0306 EA Blast Freezer Kit, For 36" Or 42" Wide Doors.....	1,243.58	
11 41 23 00-0307 EA Blast Freezer Kit, For 48" Wide Doors.....	1,311.90	
11 41 23 00-0308 EA Blast Freezer Kit, For 60" Wide Doors.....	1,348.19	
11 41 23 00-0309 EA Hardware Options, Polished For 36" Or 42" Door.....	58.71	
11 41 23 00-0310 EA Hardware Options, Polished For 48" Or 60" Door.....	48.03	
11 41 23 00-0311 EA Hardware Options, Chrome For 36" Or 42" Door.....	148.37	
11 41 23 00-0312 EA Hardware Options, Chrome For 48" Or 60" Door.....	80.06	
11 41 23 00-0313 EA Hardware Options, Positive Latch, 36" Or 42" Door.....	195.08	
11 41 23 00-0314 EA Hardware Options, Strap Hinges, 36" Or 42" Door.....	143.84	
11 41 23 00-0315 EA 4" Screed Door.....	398.73	
11 41 23 00-0316 EA Doors Cut For Tile.....	475.59	
11 41 23 00-0317 EA 84" High Doors (36" Wide).....	475.59	
11 41 23 00-0318 EA Doors Raised Or Lowered In Panel.....	1,040.26	
11 41 23 00-0319 EA 57-1/2" Door Section.....	316.54	
11 41 23 00-0320 EA 3 Way (Interior And Exterior) Light Switches.....	260.74	
11 41 23 00-0321 EA 3 Way (1 Side Only) Light Switch.....	132.80	
11 41 23 00-0322 EA Structural Support, 5" Reinforcing Ceilings (Every 23").....	235.38	
11 41 23 00-0323 EA Structural Support, 6" Reinforcing Ceilings (Every 23").....	295.16	
11 41 23 00-0324 LF Structural Support, Self-Supporting Standard Angle.....	31.83	
11 41 23 00-0325 LF Structural Support, Self-Supporting 6" Channel.....	40.64	
11 41 23 00-0326 LF Structural Support, Self-Supporting 8" Channel.....	57.98	
11 41 23 00-0327 LF Structural Support, Self-Supporting 10" Channel.....	91.34	
11 41 23 00-0328 LF Structural Support, Suspended Ceiling Support.....	17.56	
11 41 23 00-0329 LF Factory Prepared Opening, Foam Cut Opening.....	7.96	
11 41 23 00-0330 LF Factory Prepared Opening, Metal Capped Opening.....	18.68	
11 41 23 00-0331 LF Factory Prepared Opening, Wood Framed Opening.....	13.95	
11 41 23 00-0332 LF Factory Prepared Opening, Metal Capped Wood Framed Opening.....	28.82	
11 41 23 00-0333 LF Factory Prepared Opening, Opening For Glass Doors (Doors Provided By Others, No Charge For Opening When Glass Door Purchased Through Manufacturer).....	40.39	
11 41 23 00-0334 SF Outdoor Weather Roofs, Aluminum Roof Caps.....	19.98	
11 41 23 00-0335 SF Outdoor Weather Roofs, Membrane Roof Caps.....	5.87	
11 41 23 00-0336 SF Outdoor Weather Roofs, Painted Aluminum Roofs.....	24.82	
11 41 23 00-0337 SF 1/8" Aluminum Tread Plate.....	51.77	
11 41 23 00-0338 SF 3/16" Aluminum Tread Plate.....	62.28	
11 41 23 00-0339 EA Digttemp Display Thermometer (Indoor Exterior Wall).....	249.15	



Equipment	11	
Foodservice Equipment	11 40	
Foodservice Storage Equipment	11 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0340 EA 4-1/2" Dial Type Thermometer With 5' Cap Tube	224.60	
11 41 23 00-0341 EA 6" Dial Type Thermometer With 5' Cap Tube	706.01	
11 41 23 00-0342 EA 2" Dial Type Thermometer (Standard)	83.70	
11 41 23 00-0343 LF Extra Capillary Tubing	9.63	
11 41 23 00-0344 Partition Wall For Walk-In Refrigerated Boxes <small>(11 41 23 00-0282)</small>		
Note: Includes 36" x 78" door. Sizes listed as 7'-2"/7'-6" are for either 7'-2" or 7'-6" high refrigerated boxes. Sizes listed as 8'-2"/8'-6" are for either 8'-2" or 8'-6" high refrigerated boxes.		
11 41 23 00-0345 EA 5'-10" Length Partition Wall, 7'-2"/7'-6" High	2,526.63	
Note: Galvalume both sides.		
<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>		
	121.47	
11 41 23 00-0346 EA 6'-9-1/2" Length Partition Wall, 7'-2"/7'-6" High	2,751.38	
Note: Galvalume both sides.		
<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>		
	132.47	
11 41 23 00-0347 EA 7'-9" Length Partition Wall, 7'-2"/7'-6" High	2,830.95	
Note: Galvalume both sides.		
<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>		
	136.20	
11 41 23 00-0348 EA 8'-8-1/2" Length Partition Wall, 7'-2"/7'-6" High	3,059.98	
Note: Galvalume both sides.		
<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>		
	147.41	
11 41 23 00-0349 EA 9'-8" Length Partition Wall, 7'-2"/7'-6" High	2,998.66	
Note: Galvalume both sides.		
<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>		
	144.10	
11 41 23 00-0350 EA 10'-7-1/2" Length Partition Wall, 7'-2"/7'-6" High	3,222.33	
Note: Galvalume both sides.		
<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>		
	155.04	
11 41 23 00-0351 EA 11'-7" Length Partition Wall, 7'-2"/7'-6" High	3,291.24	
Note: Galvalume both sides.		
<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>		
	158.25	
11 41 23 00-0352 EA 12'-6-1/2" Length Partition Wall, 7'-2"/7'-6" High	3,608.85	
Note: Galvalume both sides.		
<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>		
	173.88	
11 41 23 00-0353 EA 13'-6" Length Partition Wall, 7'-2"/7'-6" High	3,470.69	
Note: Galvalume both sides.		
<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>		
	166.73	
11 41 23 00-0354 EA 14'-5-1/2" Length Partition Wall, 7'-2"/7'-6" High	3,695.43	
Note: Galvalume both sides.		
<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>		
	177.73	
11 41 23 00-0355 EA 15'-5" Length Partition Wall, 7'-2"/7'-6" High	3,780.35	
Note: Galvalume both sides.		
<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>		
	181.73	
11 41 23 00-0356 EA 16'-4-1/2" Length Partition Wall, 7'-2"/7'-6" High	4,006.16	
Note: Galvalume both sides.		
<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>		
	192.78	
11 41 23 00-0357 EA 17'-4" Length Partition Wall, 7'-2"/7'-6" High	4,611.03	
Note: Galvalume both sides.		
<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>		
	222.78	
11 41 23 00-0358 EA 5'-10" Length Partition Wall, 8'-2"/8'-6" High	2,755.06	
Note: Galvalume both sides.		
<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>		
	132.90	
11 41 23 00-0359 EA 6'-9-1/2" Length Partition Wall, 8'-2"/8'-6" High	2,945.65	
Note: Galvalume both sides.		
<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>		
	142.18	
11 41 23 00-0360 EA 7'-9" Length Partition Wall, 8'-2"/8'-6" High	3,039.10	
Note: Galvalume both sides.		
<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>		
	146.61	
11 41 23 00-0361 EA 8'-8-1/2" Length Partition Wall, 8'-2"/8'-6" High	3,292.68	
Note: Galvalume both sides.		
<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>		
	159.05	
11 41 23 00-0362 EA 9'-8" Length Partition Wall, 8'-2"/8'-6" High	3,218.55	
Note: Galvalume both sides.		
<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>		
	155.10	
11 41 23 00-0363 EA 10'-7-1/2" Length Partition Wall, 8'-2"/8'-6" High	3,471.05	
Note: Galvalume both sides.		
<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>		
	167.48	
11 41 23 00-0364 EA 11'-7" Length Partition Wall, 8'-2"/8'-6" High	3,565.57	
Note: Galvalume both sides.		
<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>		
	171.96	
11 41 23 00-0365 EA 12'-6-1/2" Length Partition Wall, 8'-2"/8'-6" High	3,818.06	
Note: Galvalume both sides.		
<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>		
	184.35	
11 41 23 00-0366 EA 13'-6" Length Partition Wall, 8'-2"/8'-6" High	3,743.95	
Note: Galvalume both sides.		
<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>		
	180.40	
11 41 23 00-0367 EA 14'-5-1/2" Length Partition Wall, 8'-2"/8'-6" High	3,996.45	
Note: Galvalume both sides.		
<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>		
	192.78	
11 41 23 00-0368 EA 15'-5" Length Partition Wall, 8'-2"/8'-6" High	4,090.97	
Note: Galvalume both sides.		
<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>		
	197.26	
11 41 23 00-0369 EA 16'-4-1/2" Length Partition Wall, 8'-2"/8'-6" High	4,343.46	
Note: Galvalume both sides.		
<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>		
	209.64	

11 Equipment
11 40 Foodservice Equipment
11 41 Foodservice Storage Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0370	EA		17'-4" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides. <i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	4,269.33 205.69	
11 41 23 00-0371			Glass Doors For Walk-In Refrigerated Boxes <small>(11 41 23 00-0282)</small> Note: Factory installed, includes lights and 5 tier shelves.		
11 41 23 00-0372	EA		23" x 67" Glass Door, Displayrite, Coolrite Model	1,059.96	
11 41 23 00-0373	EA		23" x 73" Glass Door, Displayrite, Coolrite Model	1,158.16	
11 41 23 00-0374	EA		30" x 67" Glass Door, Displayrite, Coolrite Model	1,167.77	
11 41 23 00-0375	EA		30" x 73" Glass Door, Displayrite, Coolrite Model	1,291.59	
11 41 23 00-0376	EA		23" x 67" Glass Door, Displayrite, Freezerite Model	1,417.55	
11 41 23 00-0377	EA		23" x 73" Glass Door, Displayrite, Freezerite Model	1,507.21	
11 41 23 00-0378	EA		30" x 67" Glass Door, Displayrite, Freezerite Model	1,512.55	
11 41 23 00-0379	EA		30" x 73" Glass Door, Displayrite, Freezerite Model	1,760.19	
11 41 23 00-0380	EA		24" x 67" Glass Door, Anthony Model 101	1,441.03	
11 41 23 00-0381	EA		26" x 67" Glass Door, Anthony Model 101	1,784.74	
11 41 23 00-0382	EA		30" x 67" Glass Door, Anthony Model 101	1,905.36	
11 41 23 00-0383	EA		30x75 Glass Door, Anthony Model 101	1,945.92	
11 41 23 00-0384	EA		24" x 67" Glass Door, Anthony Model 101	2,194.64	
11 41 23 00-0385	EA		26" x 67" Glass Door, Anthony Model 101	2,435.88	
11 41 23 00-0386	EA		30" x 67" Glass Door, Anthony Model 101	2,480.71	
11 41 23 00-0387	EA		30" x 75" Glass Door, Anthony Model 101	2,646.16	
11 41 23 00-0388	EA		23" x 67" Glass Door, Anthony Model 401	1,137.88	
11 41 23 00-0389	EA		26-3/4" x 67" Glass Door, Anthony Model 401	1,198.72	
11 41 23 00-0390	EA		30-1/4" x 67" Glass Door, Anthony Model 401	1,611.82	
11 41 23 00-0391	EA		30-1/4" x 75" Glass Door, Anthony Model 401	1,382.32	
11 41 23 00-0392	EA		23" x 67" Glass Door, Anthony Model 401	1,534.96	
11 41 23 00-0393	EA		26-3/4" x 67" Glass Door, Anthony Model 401	1,606.48	
11 41 23 00-0394	EA		30-1/4" x 67" Glass Door, Anthony Model 401	1,611.82	
11 41 23 00-0395	EA		30-1/4" x 75" Glass Door, Anthony Model 401	1,919.24	
11 41 23 00-0396			Modular Wire Shelving For Walk-In Refrigerated Boxes <small>(11 41 23 00-0282)</small>		
11 41 23 00-0397	EA		14" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	401.64 402.00	
11 41 23 00-0398	EA		14" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	423.58 402.00	
11 41 23 00-0399	EA		14" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	471.12 402.00	
11 41 23 00-0400	EA		14" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	497.34 402.00	
11 41 23 00-0401	EA		14" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	541.21 402.00	
11 41 23 00-0402	EA		18" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	462.00 402.00	
11 41 23 00-0403	EA		18" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	474.33 402.00	
11 41 23 00-0404	EA		18" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	522.96 402.00	
11 41 23 00-0405	EA		18" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	547.04 402.00	
11 41 23 00-0406	EA		18" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	623.99 402.00	
11 41 23 00-0407	EA		21" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	503.15 402.00	
11 41 23 00-0408	EA		21" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	510.15 402.00	
11 41 23 00-0409	EA		21" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	580.13 402.00	
11 41 23 00-0410	EA		21" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	584.98 402.00	
11 41 23 00-0411	EA		21" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	672.61 402.00	
11 41 23 00-0412	EA		14" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	346.13 402.00	
11 41 23 00-0413	EA		14" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	363.80 402.00	
11 41 23 00-0414	EA		14" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	398.54 402.00	
11 41 23 00-0415	EA		14" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	407.68 402.00	
11 41 23 00-0416	EA		14" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	464.36 402.00	
11 41 23 00-0417	EA		18" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	380.88 402.00	
11 41 23 00-0418	EA		18" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	408.15 402.00	
11 41 23 00-0419	EA		18" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	432.23 402.00	
11 41 23 00-0420	EA		18" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	439.22 402.00	



	Equipment	11
	Foodservice Equipment	11 40
	Foodservice Storage Equipment	11 41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0421	EA		18" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	516.18 402.00	
11 41 23 00-0422	EA		21" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	417.75 402.00	
11 41 23 00-0423	EA		21" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	434.36 402.00	
11 41 23 00-0424	EA		21" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	465.91 402.00	
11 41 23 00-0425	EA		21" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	483.57 402.00	
11 41 23 00-0426	EA		21" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	562.66 402.00	
11 41 23 00-0427	EA		14" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	1,718.07 402.00	
11 41 23 00-0428	EA		14" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	1,916.87 402.00	
11 41 23 00-0429	EA		14" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	1,955.16 402.00	
11 41 23 00-0430	EA		14" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	1,993.47 402.00	
11 41 23 00-0431	EA		14" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	2,411.14 402.00	
11 41 23 00-0432	EA		18" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	1,803.18 402.00	
11 41 23 00-0433	EA		18" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	1,915.04 402.00	
11 41 23 00-0434	EA		18" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	2,120.54 402.00	
11 41 23 00-0435	EA		18" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	2,205.65 402.00	
11 41 23 00-0436	EA		18" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	2,696.89 402.00	
11 41 23 00-0437	EA		21" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	1,948.48 402.00	
11 41 23 00-0438	EA		21" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	2,127.23 402.00	
11 41 23 00-0439	EA		21" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	2,332.72 402.00	
11 41 23 00-0440	EA		21" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	2,417.83 402.00	
11 41 23 00-0441	EA		21" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	3,069.57 402.00	
11 41 23 00-0442	EA		14" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	473.86 472.00	
11 41 23 00-0443	EA		14" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	510.74 472.00	
11 41 23 00-0444	EA		14" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	552.95 472.00	
11 41 23 00-0445	EA		14" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	591.97 472.00	
11 41 23 00-0446	EA		14" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	642.25 472.00	
11 41 23 00-0447	EA		18" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	558.78 472.00	
11 41 23 00-0448	EA		18" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	573.23 472.00	
11 41 23 00-0449	EA		18" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	631.47 472.00	
11 41 23 00-0450	EA		18" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	661.93 472.00	
11 41 23 00-0451	EA		18" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	754.92 472.00	
11 41 23 00-0452	EA		21" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	608.46 472.00	
11 41 23 00-0453	EA		21" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	628.26 472.00	
11 41 23 00-0454	EA		21" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	693.96 472.00	
11 41 23 00-0455	EA		21" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	709.50 472.00	
11 41 23 00-0456	EA		21" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	813.14 472.00	
11 41 23 00-0457	EA		14" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	406.61 472.00	
11 41 23 00-0458	EA		14" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	427.48 472.00	
11 41 23 00-0459	EA		14" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	469.69 472.00	
11 41 23 00-0460	EA		14" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	479.89 472.00	
11 41 23 00-0461	EA		14" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	548.32 472.00	
11 41 23 00-0462	EA		18" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	458.44 472.00	

11 Equipment**11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0463	EA		18" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	489.97 472.00	
11 41 23 00-0464	EA		18" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	556.75 472.00	
11 41 23 00-0465	EA		18" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	553.06 472.00	
11 41 23 00-0466	EA		18" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	618.29 472.00	
11 41 23 00-0467	EA		21" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	502.78 472.00	
11 41 23 00-0468	EA		21" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	522.59 472.00	
11 41 23 00-0469	EA		21" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	561.60 472.00	
11 41 23 00-0470	EA		21" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	581.41 472.00	
11 41 23 00-0471	EA		21" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	678.65 472.00	
11 41 23 00-0472	EA		14" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	2,097.13 472.00	
11 41 23 00-0473	EA		14" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	2,344.43 472.00	
11 41 23 00-0474	EA		14" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	2,391.08 472.00	
11 41 23 00-0475	EA		14" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	2,437.73 472.00	
11 41 23 00-0476	EA		14" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	2,957.40 472.00	
11 41 23 00-0477	EA		18" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	2,202.31 472.00	
11 41 23 00-0478	EA		18" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	2,340.92 472.00	
11 41 23 00-0479	EA		18" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	2,596.57 472.00	
11 41 23 00-0480	EA		18" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	2,701.74 472.00	
11 41 23 00-0481	EA		18" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	3,313.37 472.00	
11 41 23 00-0482	EA		21" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	2,382.72 472.00	
11 41 23 00-0483	EA		21" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	2,604.93 472.00	
11 41 23 00-0484	EA		21" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	2,860.57 472.00	
11 41 23 00-0485	EA		21" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	2,965.76 472.00	
11 41 23 00-0486	EA		21" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	3,778.00 472.00	
11 41 31 Non-Refrigerated Storage Equipment (11 41)					
11 41 31 00-0001 Wall Cabinets (11 41 31)					
11 41 31 00-0002	EA		48" Wall Cabinet With Sliding Doors..... Note: 15" deep and 24" high.	1,811.98	75.34
11 41 31 00-0003	EA		72" Wall Cabinet With Sliding Doors..... Note: 15" deep and 24" high.	2,390.85	99.46
11 41 31 00-0004	EA		72" Wall Cabinet With Hinged Doors Note: 15" deep and 24" high.	2,744.17	114.02
11 41 31 00-0005	EA		72" Wall Cabinet With Open Shelves..... Note: 15" deep and 24" high.	1,756.23	72.74
11 41 31 00-0006 Mobile Sheet Pan Truck (11 41 31)					
11 41 31 00-0007	EA		2 Level Mobile Sheet Pan Truck.....	168.37	6.00
11 41 31 00-0008 Pot And Utensil Rack (11 41 31)					
11 41 31 00-0009	EA		70" Bench Type Pot And Utensil Rack.....	491.32	18.30
11 41 31 00-0010	EA		94" Bench Type Pot And Utensil Rack.....	569.34	20.69
11 41 31 00-0011	EA		94" Ceiling Type Pot And Utensil Rack.....	676.90	24.78
11 41 31 00-0012	EA		96" Wall Type Pot And Utensil Rack.....	368.12	13.53
11 41 31 00-0013 Tray And Silverware Cart (11 41 31)					
11 41 31 00-0014	EA		33" x 22-1/2" x 42" Tray And Silverware Cart.....	1,699.11	61.76
11 41 31 00-0015 Flat Top Utility Units (11 41 31)					
11 41 31 00-0016	EA		39" x 28-1/2" x 35-3/8" Flat Top Utility Units.....	1,158.48	42.22
11 41 31 00-0017	EA		79-1/2" x 28-1/2" x 35-3/8" Flat Top Utility Units.....	1,552.42	56.42



	Equipment	11
	Foodservice Equipment	11 40
	Foodservice Storage Equipment	11 41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 41 33 Foodservice Shelving (11 41)

11 41 33 00-0001 Shelving/Racks (11 41 33)

11 41 33 00-0002 Chrome Shelving Units (11 41 33 00-0001)

11 41 33 00-0003 54" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)

11 41 33 00-0004	EA	14" x 24"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	197.02	28.25
11 41 33 00-0005	EA	14" x 30"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	206.50	28.49
11 41 33 00-0006	EA	14" x 36"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	218.20	28.73
11 41 33 00-0007	EA	14" x 42"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	225.51	28.96
11 41 33 00-0008	EA	14" x 48"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	239.36	29.19
11 41 33 00-0009	EA	14" x 54"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	251.10	29.42
11 41 33 00-0010	EA	14" x 60"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	260.59	29.66
11 41 33 00-0011	EA	14" x 72"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	281.76	30.12
11 41 33 00-0012	EA	18" x 24"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	213.08	28.49
11 41 33 00-0013	EA	18" x 30"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	220.40	28.73
11 41 33 00-0014	EA	18" x 36"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	227.72	28.96
11 41 33 00-0015	EA	18" x 42"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	248.19	29.19
11 41 33 00-0016	EA	18" x 48"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	262.09	29.42
11 41 33 00-0017	EA	18" x 54"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	280.36	29.66
11 41 33 00-0018	EA	18" x 60"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	287.63	29.89
11 41 33 00-0019	EA	18" x 72"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	313.25	30.35
11 41 33 00-0020	EA	21" x 24"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	222.61	28.73
11 41 33 00-0021	EA	21" x 30"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	238.66	28.96
11 41 33 00-0022	EA	21" x 36"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	250.40	29.19
11 41 33 00-0023	EA	21" x 42"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	264.25	29.42
11 41 33 00-0024	EA	21" x 48"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	273.78	29.66
11 41 33 00-0025	EA	21" x 54"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	296.46	29.89
11 41 33 00-0026	EA	21" x 60"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	308.15	30.12
11 41 33 00-0027	EA	21" x 72"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	338.13	30.59
11 41 33 00-0028	EA	24" x 24"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	243.12	28.96
11 41 33 00-0029	EA	24" x 30"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	252.61	29.19
11 41 33 00-0030	EA	24" x 36"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	259.88	29.42
11 41 33 00-0031	EA	24" x 42"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	278.20	29.66
11 41 33 00-0032	EA	24" x 48"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	289.88	29.89
11 41 33 00-0033	EA	24" x 54"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	312.56	30.12
11 41 33 00-0034	EA	24" x 60"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	328.61	30.35
11 41 33 00-0035	EA	24" x 72"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	367.43	30.82
11 41 33 00-0036	EA	30" x 36"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	314.17	29.19
11 41 33 00-0037	EA	30" x 48"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	349.99	29.42
11 41 33 00-0038	EA	30" x 60"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	372.72	29.66
11 41 33 00-0039	EA	30" x 72"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	424.00	29.89
11 41 33 00-0040	EA	36" x 36"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	345.53	30.12
11 41 33 00-0041	EA	36" x 48"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	379.23	30.35
11 41 33 00-0042	EA	36" x 60"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	421.64	30.59
11 41 33 00-0043	EA	36" x 72"	Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	490.42	31.05

11 41 33 00-0044 63" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)

11 41 33 00-0045	EA	14" x 24"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	199.18	28.25
11 41 33 00-0046	EA	14" x 30"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	208.67	28.49
11 41 33 00-0047	EA	14" x 36"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	220.35	28.73
11 41 33 00-0048	EA	14" x 42"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	227.68	28.96
11 41 33 00-0049	EA	14" x 48"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	241.53	29.19
11 41 33 00-0050	EA	14" x 54"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	253.25	29.42
11 41 33 00-0051	EA	14" x 60"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	262.75	29.66
11 41 33 00-0052	EA	14" x 72"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	283.91	30.12
11 41 33 00-0053	EA	18" x 24"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	215.24	28.49
11 41 33 00-0054	EA	18" x 30"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	222.56	28.73
11 41 33 00-0055	EA	18" x 36"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	229.89	28.96
11 41 33 00-0056	EA	18" x 42"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	250.35	29.19
11 41 33 00-0057	EA	18" x 48"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	264.25	29.42
11 41 33 00-0058	EA	18" x 54"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	282.51	29.66
11 41 33 00-0059	EA	18" x 60"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	289.79	29.89
11 41 33 00-0060	EA	18" x 72"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	294.05	30.35
11 41 33 00-0061	EA	21" x 24"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	224.77	28.73
11 41 33 00-0062	EA	21" x 30"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	240.83	28.96
11 41 33 00-0063	EA	21" x 36"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	252.55	29.19
11 41 33 00-0064	EA	21" x 42"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	266.40	29.42
11 41 33 00-0065	EA	21" x 48"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	275.95	29.66
11 41 33 00-0066	EA	21" x 54"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	298.61	29.89
11 41 33 00-0067	EA	21" x 60"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	310.31	30.12
11 41 33 00-0068	EA	21" x 72"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	340.29	30.59
11 41 33 00-0069	EA	24" x 24"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	245.29	28.96
11 41 33 00-0070	EA	24" x 30"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	254.76	29.19
11 41 33 00-0071	EA	24" x 36"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	262.04	29.42
11 41 33 00-0072	EA	24" x 42"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	280.36	29.66
11 41 33 00-0073	EA	24" x 48"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	292.05	29.89
11 41 33 00-0074	EA	24" x 54"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	314.72	30.12
11 41 33 00-0075	EA	24" x 60"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	330.76	30.35

11 Equipment
11 40 Foodservice Equipment
11 41 Foodservice Storage Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41	33 00-0076	EA	24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	369.60	30.82
11 41	33 00-0077	EA	30" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	316.32	29.19
11 41	33 00-0078	EA	30" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	352.15	29.42
11 41	33 00-0079	EA	30" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	374.87	29.66
11 41	33 00-0080	EA	30" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	426.15	29.89
11 41	33 00-0081	EA	36" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	347.68	30.12
11 41	33 00-0082	EA	36" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	381.38	30.35
11 41	33 00-0083	EA	36" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	423.82	30.59
11 41	33 00-0084	EA	36" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	492.57	31.05

11 41 33 00-0085 66" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)

11 41	33 00-0086	EA	14" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	200.31	28.25
11 41	33 00-0087	EA	14" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	209.79	28.49
11 41	33 00-0088	EA	14" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	221.48	28.73
11 41	33 00-0089	EA	14" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	228.80	28.96
11 41	33 00-0090	EA	14" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	242.65	29.19
11 41	33 00-0091	EA	14" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	254.38	29.42
11 41	33 00-0092	EA	14" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	263.88	29.66
11 41	33 00-0093	EA	14" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	285.04	30.12
11 41	33 00-0094	EA	18" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	216.37	28.49
11 41	33 00-0095	EA	18" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	223.69	28.73
11 41	33 00-0096	EA	18" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	231.01	28.96
11 41	33 00-0097	EA	18" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	251.48	29.19
11 41	33 00-0098	EA	18" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	265.38	29.42
11 41	33 00-0099	EA	18" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	283.64	29.66
11 41	33 00-0100	EA	18" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	290.92	29.89
11 41	33 00-0101	EA	18" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	316.54	30.35
11 41	33 00-0102	EA	21" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	225.90	28.73
11 41	33 00-0103	EA	21" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	241.95	28.96
11 41	33 00-0104	EA	21" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	253.68	29.19
11 41	33 00-0105	EA	21" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	267.53	29.42
11 41	33 00-0106	EA	21" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	277.07	29.66
11 41	33 00-0107	EA	21" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	299.74	29.89
11 41	33 00-0108	EA	21" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	311.44	30.12
11 41	33 00-0109	EA	21" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	341.42	30.59
11 41	33 00-0110	EA	24" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	246.41	28.96
11 41	33 00-0111	EA	24" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	255.89	29.19
11 41	33 00-0112	EA	24" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	263.17	29.42
11 41	33 00-0113	EA	24" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	281.49	29.66
11 41	33 00-0114	EA	24" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	293.17	29.89
11 41	33 00-0115	EA	24" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	315.85	30.12
11 41	33 00-0116	EA	24" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	331.89	30.35
11 41	33 00-0117	EA	24" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	370.72	30.82
11 41	33 00-0118	EA	30" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	317.45	29.19
11 41	33 00-0119	EA	30" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	353.28	29.42
11 41	33 00-0120	EA	30" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	376.01	29.66
11 41	33 00-0121	EA	30" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	427.28	29.89
11 41	33 00-0122	EA	36" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	348.81	30.12
11 41	33 00-0123	EA	36" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	382.51	30.35
11 41	33 00-0124	EA	36" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	424.94	30.59
11 41	33 00-0125	EA	36" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	493.69	31.05

11 41 33 00-0126 74" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)

11 41	33 00-0127	EA	14" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	203.59	28.25
11 41	33 00-0128	EA	14" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	213.08	28.49
11 41	33 00-0129	EA	14" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	224.77	28.73
11 41	33 00-0130	EA	14" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	232.09	28.96
11 41	33 00-0131	EA	14" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	245.94	29.19
11 41	33 00-0132	EA	14" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	257.67	29.42
11 41	33 00-0133	EA	14" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	267.17	29.66
11 41	33 00-0134	EA	14" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	288.33	30.12
11 41	33 00-0135	EA	18" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	219.65	28.49
11 41	33 00-0136	EA	18" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	226.98	28.73
11 41	33 00-0137	EA	18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	234.30	28.96
11 41	33 00-0138	EA	18" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	254.76	29.19
11 41	33 00-0139	EA	18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	268.66	29.42
11 41	33 00-0140	EA	18" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	286.93	29.66
11 41	33 00-0141	EA	18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	294.21	29.89
11 41	33 00-0142	EA	18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	319.82	30.35
11 41	33 00-0143	EA	21" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	229.19	28.73
11 41	33 00-0144	EA	21" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	245.24	28.96
11 41	33 00-0145	EA	21" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	256.97	29.19
11 41	33 00-0146	EA	21" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	270.82	29.42
11 41	33 00-0147	EA	21" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	280.36	29.66
11 41	33 00-0148	EA	21" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	303.03	29.89
11 41	33 00-0149	EA	21" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	314.72	30.12
11 41	33 00-0150	EA	21" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	344.71	30.59
11 41	33 00-0151	EA	24" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	249.70	28.96
11 41	33 00-0152	EA	24" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	259.18	29.19



Equipment	11	
Foodservice Equipment	11 40	↑
Foodservice Storage Equipment	11 41	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
11 41 33 00-0153	EA	24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....		266.46	29.42
11 41 33 00-0154	EA	24" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....		284.77	29.66
11 41 33 00-0155	EA	24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....		296.46	29.89
11 41 33 00-0156	EA	24" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....		319.13	30.12
11 41 33 00-0157	EA	24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....		335.18	30.35
11 41 33 00-0158	EA	24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....		374.01	30.82
11 41 33 00-0159	EA	30" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....		320.74	29.19
11 41 33 00-0160	EA	30" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....		366.57	29.42
11 41 33 00-0161	EA	30" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....		379.29	29.66
11 41 33 00-0162	EA	30" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....		430.57	29.89
11 41 33 00-0163	EA	36" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....		352.10	30.12
11 41 33 00-0164	EA	36" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....		385.80	30.35
11 41 33 00-0165	EA	36" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....		428.24	30.59
11 41 33 00-0166	EA	36" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....		496.98	31.05
11 41 33 00-0167		86" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)			
11 41 33 00-0168	EA	14" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....		212.37	28.25
11 41 33 00-0169	EA	14" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....		221.86	28.49
11 41 33 00-0170	EA	14" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....		233.55	28.73
11 41 33 00-0171	EA	14" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....		240.87	28.96
11 41 33 00-0172	EA	14" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....		254.72	29.19
11 41 33 00-0173	EA	14" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....		266.46	29.42
11 41 33 00-0174	EA	14" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....		275.95	29.66
11 41 33 00-0175	EA	14" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....		297.12	30.12
11 41 33 00-0176	EA	18" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....		228.44	28.49
11 41 33 00-0177	EA	18" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....		235.75	28.73
11 41 33 00-0178	EA	18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....		243.08	28.96
11 41 33 00-0179	EA	18" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....		263.55	29.19
11 41 33 00-0180	EA	18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....		277.44	29.42
11 41 33 00-0181	EA	18" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....		295.72	29.66
11 41 33 00-0182	EA	18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....		302.99	29.89
11 41 33 00-0183	EA	18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....		328.61	30.35
11 41 33 00-0184	EA	21" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....		237.96	28.73
11 41 33 00-0185	EA	21" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....		254.02	28.96
11 41 33 00-0186	EA	21" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....		265.76	29.19
11 41 33 00-0187	EA	21" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....		279.60	29.42
11 41 33 00-0188	EA	21" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....		289.14	29.66
11 41 33 00-0189	EA	21" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....		311.82	29.89
11 41 33 00-0190	EA	21" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....		323.50	30.12
11 41 33 00-0191	EA	21" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....		353.49	30.59
11 41 33 00-0192	EA	24" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....		258.48	28.96
11 41 33 00-0193	EA	24" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....		267.96	29.19
11 41 33 00-0194	EA	24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....		275.24	29.42
11 41 33 00-0195	EA	24" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....		293.55	29.66
11 41 33 00-0196	EA	24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....		305.24	29.89
11 41 33 00-0197	EA	24" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....		327.92	30.12
11 41 33 00-0198	EA	24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....		343.95	30.35
11 41 33 00-0199	EA	24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....		382.79	30.82
11 41 33 00-0200	EA	30" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....		329.51	29.19
11 41 33 00-0201	EA	30" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....		365.34	29.42
11 41 33 00-0202	EA	30" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....		388.08	29.66
11 41 33 00-0203	EA	30" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....		439.34	29.89
11 41 33 00-0204	EA	36" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....		360.87	30.12
11 41 33 00-0205	EA	36" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....		394.57	30.35
11 41 33 00-0206	EA	36" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....		437.03	30.59
11 41 33 00-0207	EA	36" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....		505.76	31.05
11 41 33 00-0208		96" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)			
11 41 33 00-0209	EA	14" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....		244.80	28.25
11 41 33 00-0210	EA	14" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....		256.49	28.49
11 41 33 00-0211	EA	14" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....		270.93	28.73
11 41 33 00-0212	EA	14" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....		279.90	28.96
11 41 33 00-0213	EA	14" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....		297.04	29.19
11 41 33 00-0214	EA	14" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....		311.53	29.42
11 41 33 00-0215	EA	14" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....		323.22	29.66
11 41 33 00-0216	EA	14" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....		349.33	30.12
11 41 33 00-0217	EA	18" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....		264.71	28.49
11 41 33 00-0218	EA	18" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....		273.68	28.73
11 41 33 00-0219	EA	18" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....		282.66	28.96
11 41 33 00-0220	EA	18" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....		308.07	29.19
11 41 33 00-0221	EA	18" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....		325.26	29.42
11 41 33 00-0222	EA	18" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....		347.93	29.66
11 41 33 00-0223	EA	18" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....		356.84	29.89
11 41 33 00-0224	EA	18" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....		388.52	30.35
11 41 33 00-0225	EA	21" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....		276.45	28.73
11 41 33 00-0226	EA	21" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....		296.34	28.96
11 41 33 00-0227	EA	21" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....		310.83	29.19
11 41 33 00-0228	EA	21" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....		327.96	29.42
11 41 33 00-0229	EA	21" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....		339.71	29.66

11	11	Equipment
	11 40	Foodservice Equipment
	11 41	Foodservice Storage Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41	33 00-0230	EA	21" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	367.88	29.89
11 41	33 00-0231	EA	21" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	382.32	30.12
11 41	33 00-0232	EA	21" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	419.45	30.59
11 41	33 00-0233	EA	24" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	301.92	28.96
11 41	33 00-0234	EA	24" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	313.59	29.19
11 41	33 00-0235	EA	24" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	322.51	29.42
11 41	33 00-0236	EA	24" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	345.23	29.66
11 41	33 00-0237	EA	24" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	359.66	29.89
11 41	33 00-0238	EA	24" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	387.83	30.12
11 41	33 00-0239	EA	24" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	407.71	30.35
11 41	33 00-0240	EA	24" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	455.90	30.82
11 41	33 00-0241	EA	30" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	390.54	29.19
11 41	33 00-0242	EA	30" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	435.14	29.42
11 41	33 00-0243	EA	30" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	463.38	29.66
11 41	33 00-0244	EA	30" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	527.30	29.89
11 41	33 00-0245	EA	36" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	429.03	30.12
11 41	33 00-0246	EA	36" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	470.99	30.35
11 41	33 00-0247	EA	36" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	523.87	30.59
11 41	33 00-0248	EA	36" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	609.44	31.05

11 41 33 00-0249 Galvanized Shelving Units (11 41 33 00-0001)

11 41 33 00-0250 54" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-0249)

11 41	33 00-0251	EA	14" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	218.94	28.25
11 41	33 00-0252	EA	14" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	229.04	28.49
11 41	33 00-0253	EA	14" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	241.53	28.73
11 41	33 00-0254	EA	14" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	251.62	28.96
11 41	33 00-0255	EA	14" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	266.46	29.19
11 41	33 00-0256	EA	14" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	278.89	29.42
11 41	33 00-0257	EA	14" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	291.39	29.66
11 41	33 00-0258	EA	14" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	311.57	30.12
11 41	33 00-0259	EA	18" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	236.09	28.49
11 41	33 00-0260	EA	18" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	243.88	28.73
11 41	33 00-0261	EA	18" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	258.67	28.96
11 41	33 00-0262	EA	18" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	275.85	29.19
11 41	33 00-0263	EA	18" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	290.68	29.42
11 41	33 00-0264	EA	18" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	310.17	29.66
11 41	33 00-0265	EA	18" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	325.01	29.89
11 41	33 00-0266	EA	18" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	347.61	30.35
11 41	33 00-0267	EA	21" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	246.23	28.73
11 41	33 00-0268	EA	21" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	265.76	28.96
11 41	33 00-0269	EA	21" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	278.19	29.19
11 41	33 00-0270	EA	21" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	293.03	29.42
11 41	33 00-0271	EA	21" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	303.13	29.66
11 41	33 00-0272	EA	21" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	329.71	29.89
11 41	33 00-0273	EA	21" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	342.19	30.12
11 41	33 00-0274	EA	21" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	378.85	30.59
11 41	33 00-0275	EA	24" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	270.46	28.96
11 41	33 00-0276	EA	24" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	280.55	29.19
11 41	33 00-0277	EA	24" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	288.34	29.42
11 41	33 00-0278	EA	24" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	307.83	29.66
11 41	33 00-0279	EA	24" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	329.71	29.89
11 41	33 00-0280	EA	24" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	353.93	30.12
11 41	33 00-0281	EA	24" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	373.45	30.35
11 41	33 00-0282	EA	24" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	417.22	30.82

11 41 33 00-0283 63" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-0249)

11 41	33 00-0284	EA	14" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	223.64	28.25
11 41	33 00-0285	EA	14" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	233.74	28.49
11 41	33 00-0286	EA	14" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	246.23	28.73
11 41	33 00-0287	EA	14" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	256.32	28.96
11 41	33 00-0288	EA	14" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	271.16	29.19
11 41	33 00-0289	EA	14" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	283.59	29.42
11 41	33 00-0290	EA	14" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	296.09	29.66
11 41	33 00-0291	EA	14" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	316.27	30.12
11 41	33 00-0292	EA	18" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	240.79	28.49
11 41	33 00-0293	EA	18" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	248.58	28.73
11 41	33 00-0294	EA	18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	263.36	28.96
11 41	33 00-0295	EA	18" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	280.55	29.19
11 41	33 00-0296	EA	18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	295.38	29.42
11 41	33 00-0297	EA	18" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	314.87	29.66
11 41	33 00-0298	EA	18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	329.71	29.89
11 41	33 00-0299	EA	18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	352.27	30.35
11 41	33 00-0300	EA	21" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	250.92	28.73
11 41	33 00-0301	EA	21" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	270.46	28.96
11 41	33 00-0302	EA	21" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	282.89	29.19
11 41	33 00-0303	EA	21" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	297.73	29.42
11 41	33 00-0304	EA	21" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	307.83	29.66
11 41	33 00-0305	EA	21" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	334.40	29.89



MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0306	EA	21" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	346.89	30.12
11 41 33 00-0307	EA	21" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	383.54	30.59
11 41 33 00-0308	EA	24" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	275.15	28.96
11 41 33 00-0309	EA	24" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	285.24	29.19
11 41 33 00-0310	EA	24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	293.03	29.42
11 41 33 00-0311	EA	24" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	312.52	29.66
11 41 33 00-0312	EA	24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	334.40	29.89
11 41 33 00-0313	EA	24" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	358.62	30.12
11 41 33 00-0314	EA	24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	378.15	30.35
11 41 33 00-0315	EA	24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	421.91	30.82
11 41 33 00-0316		74" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-02-49)		
11 41 33 00-0317	EA	14" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	228.33	28.25
11 41 33 00-0318	EA	14" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	238.43	28.49
11 41 33 00-0319	EA	14" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	250.92	28.73
11 41 33 00-0320	EA	14" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	261.01	28.96
11 41 33 00-0321	EA	14" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	275.85	29.19
11 41 33 00-0322	EA	14" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	288.28	29.42
11 41 33 00-0323	EA	14" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	300.78	29.66
11 41 33 00-0324	EA	14" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	320.96	30.12
11 41 33 00-0325	EA	18" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	245.48	28.49
11 41 33 00-0326	EA	18" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	253.27	28.73
11 41 33 00-0327	EA	18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	268.06	28.96
11 41 33 00-0328	EA	18" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	285.24	29.19
11 41 33 00-0329	EA	18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	300.07	29.42
11 41 33 00-0330	EA	18" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	319.56	29.66
11 41 33 00-0331	EA	18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	334.40	29.89
11 41 33 00-0332	EA	18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	356.97	30.35
11 41 33 00-0333	EA	21" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	255.62	28.73
11 41 33 00-0334	EA	21" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	275.15	28.96
11 41 33 00-0335	EA	21" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	287.58	29.19
11 41 33 00-0336	EA	21" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	302.42	29.42
11 41 33 00-0337	EA	21" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	312.52	29.66
11 41 33 00-0338	EA	21" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	339.10	29.89
11 41 33 00-0339	EA	21" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	351.58	30.12
11 41 33 00-0340	EA	21" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	388.24	30.59
11 41 33 00-0341	EA	24" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	279.85	28.96
11 41 33 00-0342	EA	24" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	289.94	29.19
11 41 33 00-0343	EA	24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	297.73	29.42
11 41 33 00-0344	EA	24" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	317.22	29.66
11 41 33 00-0345	EA	24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	339.10	29.89
11 41 33 00-0346	EA	24" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	363.32	30.12
11 41 33 00-0347	EA	24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	382.84	30.35
11 41 33 00-0348	EA	24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	426.61	30.82
11 41 33 00-0349		86" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-02-49)		
11 41 33 00-0350	EA	14" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	240.12	28.25
11 41 33 00-0351	EA	14" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	250.22	28.49
11 41 33 00-0352	EA	14" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	262.71	28.73
11 41 33 00-0353	EA	14" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	272.80	28.96
11 41 33 00-0354	EA	14" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	287.64	29.19
11 41 33 00-0355	EA	14" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	300.07	29.42
11 41 33 00-0356	EA	14" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	312.52	29.66
11 41 33 00-0357	EA	14" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	332.75	30.12
11 41 33 00-0358	EA	18" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	257.27	28.49
11 41 33 00-0359	EA	18" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	265.06	28.73
11 41 33 00-0360	EA	18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	279.85	28.96
11 41 33 00-0361	EA	18" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	297.03	29.19
11 41 33 00-0362	EA	18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	311.86	29.42
11 41 33 00-0363	EA	18" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	331.35	29.66
11 41 33 00-0364	EA	18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	346.19	29.89
11 41 33 00-0365	EA	18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	368.76	30.35
11 41 33 00-0366	EA	21" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	267.40	28.73
11 41 33 00-0367	EA	21" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	286.94	28.96
11 41 33 00-0368	EA	21" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	299.37	29.19
11 41 33 00-0369	EA	21" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	314.21	29.42
11 41 33 00-0370	EA	21" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	324.31	29.66
11 41 33 00-0371	EA	21" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	350.88	29.89
11 41 33 00-0372	EA	21" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	363.37	30.12
11 41 33 00-0373	EA	21" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	400.02	30.59
11 41 33 00-0374	EA	24" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	291.63	28.96
11 41 33 00-0375	EA	24" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	301.72	29.19
11 41 33 00-0376	EA	24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	309.52	29.42
11 41 33 00-0377	EA	24" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	329.01	29.66
11 41 33 00-0378	EA	24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	350.88	29.89
11 41 33 00-0379	EA	24" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	375.10	30.12
11 41 33 00-0380	EA	24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	394.63	30.35
11 41 33 00-0381	EA	24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	438.39	30.82

11 Equipment**11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0382			54" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit <small>(11 41 33 00-0249)</small>		
11 41 33 00-0383	EA		18" x 36" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	392.77	28.96
11 41 33 00-0384	EA		18" x 48" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	429.48	29.42
11 41 33 00-0385	EA		18" x 60" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	477.94	29.89
11 41 33 00-0386	EA		18" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	507.55	30.35
11 41 33 00-0387	EA		24" x 36" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	427.09	29.42
11 41 33 00-0388	EA		24" x 48" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	489.68	29.89
11 41 33 00-0389	EA		24" x 60" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	538.12	30.35
11 41 33 00-0390	EA		24" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	610.10	30.82
11 41 33 00-0391			63" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit <small>(11 41 33 00-0249)</small>		
11 41 33 00-0392	EA		18" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	397.47	28.96
11 41 33 00-0393	EA		18" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	434.18	29.42
11 41 33 00-0394	EA		18" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	482.63	29.89
11 41 33 00-0395	EA		18" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	512.25	30.35
11 41 33 00-0396	EA		24" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	431.79	29.42
11 41 33 00-0397	EA		24" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	494.38	29.89
11 41 33 00-0398	EA		24" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	542.82	30.35
11 41 33 00-0399	EA		24" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	614.80	30.82
11 41 33 00-0400			74" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit <small>(11 41 33 00-0249)</small>		
11 41 33 00-0401	EA		18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	402.16	28.96
11 41 33 00-0402	EA		18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	438.88	29.42
11 41 33 00-0403	EA		18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	487.34	29.89
11 41 33 00-0404	EA		18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	516.94	30.35
11 41 33 00-0405	EA		24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	436.48	29.42
11 41 33 00-0406	EA		24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	499.07	29.89
11 41 33 00-0407	EA		24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	547.51	30.35
11 41 33 00-0408	EA		24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	619.50	30.82
11 41 33 00-0409			86" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit <small>(11 41 33 00-0249)</small>		
11 41 33 00-0410	EA		18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	413.95	28.96
11 41 33 00-0411	EA		18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	450.66	29.42
11 41 33 00-0412	EA		18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	499.12	29.89
11 41 33 00-0413	EA		18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	528.73	30.35
11 41 33 00-0414	EA		24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	448.27	29.42
11 41 33 00-0415	EA		24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	510.86	29.89
11 41 33 00-0416	EA		24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	559.30	30.35
11 41 33 00-0417	EA		24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	631.28	30.82
11 41 33 00-0418			Stainless Steel Shelving Unit <small>(11 41 33 00-0001)</small>		
11 41 33 00-0419			63" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit <small>(11 41 33 00-0418)</small>		
11 41 33 00-0420	EA		18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	672.72	28.96
11 41 33 00-0421	EA		18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	784.70	29.42
11 41 33 00-0422	EA		18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	926.26	29.89
11 41 33 00-0423	EA		18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,074.50	30.35
11 41 33 00-0424	EA		24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	794.09	29.42
11 41 33 00-0425	EA		24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	922.57	29.89
11 41 33 00-0426	EA		24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,090.98	30.35
11 41 33 00-0427	EA		24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,313.50	30.82
11 41 33 00-0428			74" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit <small>(11 41 33 00-0418)</small>		
11 41 33 00-0429	EA		18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	696.25	28.96
11 41 33 00-0430	EA		18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	808.23	29.42
11 41 33 00-0431	EA		18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	953.14	29.89
11 41 33 00-0432	EA		18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,098.02	30.35
11 41 33 00-0433	EA		24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	817.62	29.42
11 41 33 00-0434	EA		24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	946.09	29.89
11 41 33 00-0435	EA		24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,114.50	30.35
11 41 33 00-0436	EA		24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,337.03	30.82
11 41 33 00-0437			86" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit <small>(11 41 33 00-0418)</small>		
11 41 33 00-0438	EA		18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	719.77	28.96
11 41 33 00-0439	EA		18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	831.75	29.42
11 41 33 00-0440	EA		18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	976.66	29.89
11 41 33 00-0441	EA		18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,121.55	30.35
11 41 33 00-0442	EA		24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	841.14	29.42
11 41 33 00-0443	EA		24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	969.62	29.89
11 41 33 00-0444	EA		24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,138.03	30.35
11 41 33 00-0445	EA		24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,360.55	30.82



Equipment	11	
Foodservice Equipment	11 40	11
Foodservice Storage Equipment	11 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0446 63" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit <small>(11 41 33 00-0418)</small>		
11 41 33 00-0447 EA 18" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	799.79	28.96
11 41 33 00-0448 EA 18" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	882.26	29.42
11 41 33 00-0449 EA 18" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	991.66	29.89
11 41 33 00-0450 EA 18" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,057.84	30.35
11 41 33 00-0451 EA 24" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	954.07	29.42
11 41 33 00-0452 EA 24" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,120.16	29.89
11 41 33 00-0453 EA 24" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,241.37	30.35
11 41 33 00-0454 EA 24" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,422.49	30.82
11 41 33 00-0455 74" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit <small>(11 41 33 00-0418)</small>		
11 41 33 00-0456 EA 18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	823.31	28.96
11 41 33 00-0457 EA 18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	907.21	29.42
11 41 33 00-0458 EA 18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,018.53	29.89
11 41 33 00-0459 EA 18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,085.83	30.35
11 41 33 00-0460 EA 24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	977.60	29.42
11 41 33 00-0461 EA 24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,143.68	29.89
11 41 33 00-0462 EA 24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,266.21	30.35
11 41 33 00-0463 EA 24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,449.37	30.82
11 41 33 00-0464 86" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit <small>(11 41 33 00-0418)</small>		
11 41 33 00-0465 EA 18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	846.84	28.96
11 41 33 00-0466 EA 18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	930.28	29.42
11 41 33 00-0467 EA 18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,041.03	29.89
11 41 33 00-0468 EA 18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,108.01	30.35
11 41 33 00-0469 EA 24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,001.12	29.42
11 41 33 00-0470 EA 24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,167.21	29.89
11 41 33 00-0471 EA 24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,288.99	30.35
11 41 33 00-0472 EA 24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,470.96	30.82
11 41 33 00-0473 Galvanized Steel Dunnage Rack <small>(11 41 33 00-0001)</small>		
11 41 33 00-0474 EA 18" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	164.58	20.82
11 41 33 00-0475 EA 18" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	173.02	21.40
11 41 33 00-0476 EA 18" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	182.59	21.99
11 41 33 00-0477 EA 18" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	199.94	22.56
11 41 33 00-0478 EA 18" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	215.08	23.14
11 41 33 00-0479 EA 24" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	175.73	20.82
11 41 33 00-0480 EA 24" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	190.87	21.40
11 41 33 00-0481 EA 24" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	200.43	21.99
11 41 33 00-0482 EA 24" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	216.67	22.56
11 41 33 00-0483 EA 24" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	235.16	23.14
11 41 33 00-0484 Stainless Steel Dunnage Rack <small>(11 41 33 00-0001)</small>		
11 41 33 00-0485 EA 18" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	415.01	21.99
11 41 33 00-0486 EA 18" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	516.36	22.56
11 41 33 00-0487 EA 18" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack	860.80	23.14
11 41 33 00-0488 EA 24" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	452.30	21.99
11 41 33 00-0489 EA 24" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	559.54	22.56
11 41 33 00-0490 EA 24" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack	937.01	23.14
11 41 33 00-0491 Mobile Racks <small>(11 41 33 00-0001)</small>		
11 41 33 00-0492 EA Mobile Rack With Pan Slide.....	1,442.95	35.06
11 41 33 00-0493 Can Racks <small>(11 41 33 00-0001)</small>		
11 41 33 00-0494 EA 27-1/4" Wide x 42" Deep x 81-1/16" High, Aluminum Frame Can Rack	2,253.02	35.06
Note: 156 #10 cans capacity		
11 42 Food Preparation Equipment <small>(11 40)</small>		
11 42 13 Food Preparation Appliances <small>(11 42)</small>		
11 42 13 00-0001 Vertical Cutter Mixers <small>(11 42 13)</small>		
11 42 13 00-0002 EA Bench Type Mixers, 25 Quart	8,536.56	205.83
11 42 13 00-0003 EA Bench Type Mixers, 40 Quart	9,799.59	205.83
11 42 13 00-0004 EA Bench Type Mixers, 80 Quart	12,297.51	354.03
11 42 13 00-0005 EA Bench Type Mixers, 130 Quart	13,941.39	576.33
11 42 13 00-0006 Choppers <small>(11 42 13)</small>		
11 42 13 00-0007 EA Choppers, 5 LB.....	2,159.16	164.67
11 42 13 00-0008 EA Choppers, 16 LB.....	3,165.27	214.06

11	Equipment
11 40	Foodservice Equipment
11 42	Food Preparation Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 42 13 00-0009	EA		Choppers, 35 LB - 40 LB	6,085.81	263.47
11 42 13 00-0010	EA		Choppers, 35 LB - 40 LB/Min, 2 HP.....	5,044.09	234.07
11 42 13 00-0011	EA		Choppers, 35 LB - 40 LB/Min, 3 HP.....	5,715.79	234.07
11 42 13 00-0012			Floor Model Mixer ^(11 42 13)		
11 42 13 00-0013	EA		Floor Type Mixers, 20 Quart	4,065.53	123.50
11 42 13 00-0014	EA		Floor Type Mixers, 60 Quart	9,990.87	82.33
11 42 13 00-0015	EA		Floor Type Mixers, 80 Quart	15,767.92	82.33
11 42 13 00-0016	EA		Floor Type Mixers, 140 Quart	19,985.20	131.73
11 42 13 00-0017			Slicers ^(11 42 13)		
11 42 13 00-0018	EA		Slicer With Table.....	3,402.44	118.89
11 42 13 00-0019			Peelers ^(11 42 13)		
11 42 13 00-0020	EA		Small Peeler.....	2,342.72	133.79
11 42 13 00-0021	EA		Large Peeler	2,487.51	178.42
11 42 13 00-0022			Proof Boxes ^(11 42 13)		
11 42 13 00-0023	EA		30-1/2" x 22-1/2", Stainless Steel Proof Box.....	1,501.00	61.76
11 42 13 00-0024	EA		30-1/2" x 45", Stainless Steel Proof Box.....	2,511.81	103.50
11 42 13 00-0025	EA		30-1/2" x 45", Galvanized Proof Box.....	1,920.02	46.98
11 42 13 00-0026			Non-Insulated Heated Proof Cabinet ^(11 42 13)		
11 42 13 00-0027	EA		Angle Slide 69-3/4", Solid Door Non Insulated Heated Proof Cabinet	1,620.79	59.19
11 42 13 00-0028	EA		Angle Slide 69-3/4", Clear Door Non Insulated Heated Proof Cabinet.....	1,738.65	63.28
11 42 13 00-0029	EA		Channel Slide 69-3/4", Solid Door Non Insulated Heated Proof Cabinet	1,609.78	58.70
11 42 13 00-0030	EA		Channel Slide 69-3/4", Clear Door Non Insulated Heated Proof Cabinet.....	1,706.15	62.24
11 42 13 00-0031			Insulated Heated Proof Cabinet ^(11 42 13)		
11 42 13 00-0032	EA		3 Spacing, 69-3/4" High Solid Door Insulated Heated Proof Cabinet.....	2,651.82	110.36
11 42 13 00-0033	EA		3 Spacing 69-3/4" High Sliding Door Insulated Heated Proof Cabinet.....	2,771.21	115.38
11 42 13 00-0034			Pass-Thru Hot Food Holding Cabinet ^(11 42 13)		
11 42 13 00-0035	EA		Single Section, Full Door, Pass-Thru Hot Food Holding Cabinet.....	4,247.46	172.90
11 42 13 00-0036	EA		Single Section, Half Door, Pass-Thru Hot Food Holding Cabinet.....	4,512.96	172.90
11 42 13 00-0037	EA		Two Section, Full Door, Pass-Thru Hot Food Holding Cabinet.....	5,741.20	181.13
11 42 13 00-0038	EA		Two Section, Half Door, Pass-Thru Hot Food Holding Cabinet	6,283.56	181.13
11 42 16			Food Preparation Surfaces ^(11 42)		
11 42 16 00-0001			Tables ^(11 42 16)		
11 42 16 00-0002			Baker's Table ^(11 42 16 00-0001)		
11 42 16 00-0003	EA		4' Open Base Baker's Table.....	797.65	49.20
11 42 16 00-0004	EA		10' Open Base Baker's Table.....	1,565.51	96.47
11 42 16 00-0005	EA		10' Undershelf Baker's Table	1,931.60	119.04
11 42 16 00-0006	EA		10' Three Drawers Baker's Table.....	2,071.72	127.82
11 42 16 00-0007	EA		10' Bins Baker's Table	3,048.06	188.12
11 42 16 00-0008	EA		10' Bins And Drawers Baker's Table.....	4,786.32	295.29
11 42 16 00-0009			Preparation Table, Stainless Steel, With Undershelf ^(11 42 16 00-0001)		
11 42 16 00-0010	EA		30" x 72" Square Edge Stainless Steel Preparation Table With Undershelf	554.41	25.95
11 42 16 00-0011	EA		30" x 72" Marine Edge Stainless Steel Preparation Table With Undershelf	599.78	31.16
11 42 16 00-0012	EA		36" x 96" Marine Edge Stainless Steel Preparation Table With Undershelf.....	903.11	42.35
11 42 16 00-0013			Preparation Table, Stainless Steel, With Open Front ^(11 42 16 00-0001)		
11 42 16 00-0014	EA		30" X 72" Round Edge Stainless Steel Preparation Table With Open Front.....	583.76	27.30
11 42 16 00-0015	EA		36" X 96" Round Edge Stainless Steel Preparation Table With Open Front.....	750.31	35.11
11 42 16 00-0016	EA		36" X 96" Square Edge Stainless Steel Preparation Table With Open Front.....	644.51	30.20
11 42 16 00-0017	EA		36" X 96" Marine Edge Stainless Steel Preparation Table With Open Front.....	775.79	36.37
11 42 16 00-0018	EA		Roller Utility Drawers Stainless Steel Preparation Table With Open Front.....	156.72	7.33
11 42 16 00-0019			Mobile Tables ^(11 42 16 00-0001)		
11 42 16 00-0020	EA		21-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top.....	1,831.20	23.25
11 42 16 00-0021	EA		32-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top.....	996.95	27.87
11 42 16 00-0022	EA		32-1/4" x 27-1/2" x 41" Stainless Steel Mobile Table With Stainless Steel Top	668.06	31.35



Equipment	11	
Foodservice Equipment	11 40	11
Food Preparation Equipment	11 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 42 16 00-0023 Hot Food Tables, Stainless Steel, Gas Or Electric <small>(11 42 16 00-0001)</small>		
11 42 16 00-0024 EA 32-1/4" x 27-1/2" x 41" Stainless Steel Hot Food Tables.....	1,193.13	55.95
11 42 16 00-0025 EA 32-1/4" x 27-1/2" x 21" Stainless Steel Hot Food Tables.....	967.75	45.35
11 42 16 00-0026 EA Full Size Pan With Cover Stainless Steel Hot Food Tables.....	80.32	3.76
11 42 16 00-0027 EA Set Of Three 1/3 Size With Cover Stainless Steel Hot Food Tables.....	117.51	5.50
11 42 16 00-0028 EA 58-1/2", 4 Openings Stainless Steel Hot Food Tables.....	2,343.31	96.73
11 42 16 00-0029 EA 114-1/2", 8 Openings Stainless Steel Hot Food Tables.....	4,662.18	192.99
11 42 16 00-0030 Basic Table <small>(11 42 16 00-0001)</small>		
11 42 16 00-0031 LF Table, Basic.....	263.68	19.50
11 42 16 00-0032 Table With Sink <small>(11 42 16)</small>		
11 42 16 00-0033 LF Table With Sink.....	330.92	36.68
11 42 23 Food Preparation Scullery Sinks <small>(11 42)</small>		
11 42 23 00-0001 Stainless Steel Scullery Sinks <small>(11 42 23)</small>		
Note: Excludes faucet. See CSI section 22 42 39 00-0071 for service sink faucets.		
11 42 23 00-0002 EA Stainless Steel Scullery Sink, Single 30" x 24" x 12" Compartment And Drainboard.....	3,257.64	153.93
<i>For Additional Drain Board, Add</i>		
	310.37	
11 42 23 00-0003 EA Stainless Steel Scullery Sink, Double 30" x 24" x 12" Compartment And Drainboard.....	4,484.43	175.91
<i>For Additional Drain Board, Add</i>		
	431.95	
11 42 23 00-0004 EA Stainless Steel Scullery Sink, Triple 30" x 24" x 12" Compartment And Drainboard.....	5,884.32	175.91
<i>For Additional Drain Board, Add</i>		
	570.84	
11 42 23 00-0005 EA Stainless Steel Scullery Sink, Quad 30" x 24" x 12" Compartment And Drainboard.....	8,410.58	175.91
<i>For Additional Drain Board, Add</i>		
	823.47	
11 42 23 00-0006 EA Stainless Steel Pot Sink, Double 20" x 20" x 18" Compartment And Drainboard.....	5,416.36	175.91
11 42 23 00-0007 EA Stainless Steel Scullery Sink, Double 24" x 24" x 14" Compartment And Drainboards (Elkay WNSF8248LR).....	7,142.61	175.91
<i>For Additional Drain Board, Add</i>		
	697.77	
11 44 Food Cooking Equipment <small>(11 44)</small>		
11 44 13 Commercial Ranges <small>(11 44)</small>		
11 44 13 00-0001 Range <small>(11 44 13)</small>		
11 44 13 00-0002 EA Heavy Duty Range, With 34" Open Top Oven.....	3,354.65	82.33
11 44 13 00-0003 EA Range With Fry Top.....	3,354.65	82.33
11 44 13 00-0004 EA Steel Finish Fry Top.....	7,255.41	116.17
11 44 13 00-0005 EA Stainless Top Only Fry Top.....	7,253.28	114.84
11 44 13 00-0006 EA Stainless Top And 2 Sides Fry Top.....	8,380.51	133.71
11 44 13 00-0007 EA Gas Range, Vulcan #260L.....	7,540.97	119.13
Note: Six 12" burners, open top sections, porcelain on steel aeration plates and grates. 24" griddle/broiler, two 26-1/4" x 22" x 14-1/2" ovens porcelain on steel liner and aluminized steel construction, nickel plated oven racks.		
11 44 13 00-0008 EA 48" Range With Casters (Vulcan 48C-4B24GN).....	8,366.24	70.13
11 44 16 Commercial Ovens <small>(11 44)</small>		
11 44 16 00-0001 Bake Oven <small>(11 44 16)</small>		
11 44 16 00-0002 EA Bake Oven - Single Deck.....	7,008.00	123.50
11 44 16 00-0003 EA Bake Oven - Double Deck.....	14,418.14	164.67
11 44 16 00-0004 EA Bake Oven - Triple Deck.....	21,038.24	164.67
11 44 16 00-0005 EA Rotary Oven, Gas, Medium.....	46,969.54	5,351.66
11 44 16 00-0006 Combination Ovens <small>(11 44 16)</small>		
Note: Convection, steam and combination modes.		
11 44 16 00-0007 EA 35.4" x 34" x 26.6" Half Size Electric Boilerless Combination Oven.....	13,508.40	144.09
11 44 16 00-0008 EA 35.4" x 45" x 36.8" Full Size Electric Boilerless Combination Oven.....	22,120.16	164.67
11 44 16 00-0009 EA 35.4" x 34" x 36.8" Half Size Electric Boilerless Combination Oven.....	18,290.05	164.67
11 44 16 00-0010 EA 35.4" x 45" x 70.4" Full Size Electric Boilerless Combination Oven.....	44,032.00	205.83
11 44 16 00-0011 EA 35.4" x 34" x 70.4" Half Size Electric Boilerless Combination Oven.....	33,456.75	205.83
11 44 16 00-0012 Electric Convection Type Oven <small>(11 44 16)</small>		
11 44 16 00-0013 EA 40" x 45" x 57" Convection Oven.....	11,053.07	139.97
11 44 16 00-0014 EA 30" x 25" x 29" Half Size Electric Convection Oven.....	3,992.73	144.09
11 44 16 00-0015 EA 30" x 25" x 66-3/4" Half Size Electric Convection Oven.....	8,115.83	154.37
11 44 16 00-0016 EA 40" x 41-1/2" x 56-3/4" Single Deck Electric Convection Oven.....	5,614.53	154.37
11 44 16 00-0017 EA 40" x 41-1/2" x 70" Single Deck Electric Convection Oven.....	10,595.08	164.67
11 44 16 00-0018 Broiler, Without Oven <small>(11 44 16)</small>		
11 44 16 00-0019 EA 69" x 26" x 39" Broiler Without Oven.....	9,428.51	131.73
11 44 16 00-0020 EA Conveyor Broiler.....	8,341.16	152.89

11	11 Equipment
	11 40 Foodservice Equipment
	11 44 Food Cooking Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0021 Oven Stands <small>(11 44 16)</small>		
11 44 16 00-0022 EA Stationary Oven Stand (Rational 60.30.334 US III UltraVent® Stationary Oven Stand).....	1,068.00	
11 44 19 Commercial Cooking Equipment <small>(11 44)</small>		
11 44 19 00-0001 Electric Griddle <small>(11 44 19)</small>		
11 44 19 00-0002 EA 24" Wide x 24" Deep Electric Griddle.....	2,422.16	113.21
11 44 19 00-0003 EA 36" Wide x 24" Deep Electric Griddle.....	3,416.99	113.21
11 44 19 00-0004 EA 48" Wide x 24" Deep Electric Griddle.....	3,907.36	123.50
11 44 19 00-0005 EA 60" Wide x 24" Deep Electric Griddle.....	4,661.38	123.50
11 44 19 00-0006 EA 72" Wide x 24" Deep Electric Griddle.....	5,960.24	133.79
11 44 19 00-0007 Fryer, With Submerger <small>(11 44 19)</small>		
11 44 19 00-0008 EA Single Fryer With Submerger.....	5,092.96	131.73
11 44 19 00-0009 EA Double Fryer With Submerger.....	10,437.15	164.67
11 44 19 00-0010 EA Fryer Battery With Filter Unit (Single 42 LB Capacity).....	15,835.61	214.06
11 44 19 00-0011 EA Fryer Battery With Filter Unit (Triple 42 LB Capacity).....	37,714.61	267.58
11 44 19 00-0012 EA 50 LB Capacity, 208 Volt, Electric Fryer.....	3,815.21	164.67
11 44 19 00-0013 EA 50 LB Capacity, Single Basket Lift, 208 Volt, Electric Fryer.....	5,575.00	172.90
11 44 19 00-0014 EA 50 LB Capacity, 480 Volt, Electric Fryer.....	3,999.97	164.67
11 44 19 00-0015 EA 50 LB Capacity, Single Basket Lift, 480 Volt, Electric Fryer.....	5,759.75	172.90
11 44 19 00-0016 EA 85 LB Capacity, Single Basket Lift, 208 Volt, Electric Fryer.....	12,597.49	214.06
11 44 19 00-0017 EA 85 LB Capacity, Single Basket Lift, 480 Volt, Electric Fryer.....	12,900.68	214.06
11 44 19 00-0018 Kettles, Steam Jacketed <small>(11 44 19)</small>		
11 44 19 00-0019 EA 5 Gallon Kettle, With Stand.....	5,292.42	95.31
11 44 19 00-0020 EA 20 Gallon Kettle With Steam Jacket.....	8,315.67	95.31
11 44 19 00-0021 EA 40 Gallon Kettle With Steam Jacket.....	8,580.54	95.31
11 44 19 00-0022 EA 60 Gallon Kettle With Steam Jacket.....	10,361.58	95.31
11 44 19 00-0023 Steamers, Electric <small>(11 44 19)</small>		
11 44 19 00-0024 Cooking Equipment/ Steamers <small>(11 44 19 00-0023)</small>		
11 44 19 00-0025 EA 3 Pan, Electric Countertop Convection Steamer.....	5,207.86	172.90
11 44 19 00-0026 EA 5 Pan, Electric Countertop Convection Steamer.....	6,833.43	181.13
11 44 19 00-0027 EA 3 Pan, Electric Countertop Boilerless/Connectionless Steamer.....	4,825.71	172.90
11 44 19 00-0028 EA 5 Pan, Electric Countertop Boilerless/Connectionless Steamer.....	6,998.44	181.13
11 44 19 00-0029 Braising Pans <small>(11 44 19)</small>		
11 44 19 00-0030 EA 24" x 24", 240 Volt, Tilting Braising Pan.....	11,216.77	166.12
11 44 19 00-0031 EA 24" x 31", 240 Volt, Tilting Braising Pan.....	11,837.26	174.69
11 44 19 00-0032 EA 24" x 41", 240 Volt, Tilting Braising Pan.....	12,607.58	186.03
11 44 19 00-0033 EA 24" x 24", 62,000 BTU/Hour, Tilting Braising Pan.....	14,622.39	216.62
11 44 19 00-0034 EA 24" x 31", 90,000 BTU/Hour, Tilting Braising Pan.....	15,121.07	223.30
11 44 19 00-0035 EA 24" x 41", 120,000 BTU/Hour, Tilting Braising Pan.....	15,711.16	229.21
11 44 19 00-0036 Toasters <small>(11 44 19)</small>		
11 44 19 00-0037 EA Bun Toaster 3.2 KW.....	2,224.15	37.63
11 44 19 00-0038 EA Bun Toaster 4.3 KW.....	2,427.44	41.00
11 44 19 00-0039 EA Pop-Up Toaster, 2 Slot.....	454.67	89.16
11 44 19 00-0040 EA Conveyor Toaster.....	778.96	133.79
11 44 19 00-0041 Microwave Ovens <small>(11 44 19)</small>		
11 44 19 00-0042 EA 1,000 Watt Commercial Grade Microwave Oven, Freestanding Metallic Cabinet With Dial Timer.....	1,183.19	
11 44 19 00-0043 EA 1,000 Watt Commercial Grade Microwave Oven, Freestanding Stainless Steel Cabinet With Digital Display.....	1,647.41	
11 44 19 00-0044 Ceramic Boiler On Storage Base With Doors <small>(11 44 19)</small>		
11 44 19 00-0045 EA Standard Finish Ceramic Boiler On Storage Base With Doors.....	9,242.51	136.19
11 44 19 00-0046 EA Stainless Steel Front Ceramic Boiler On Storage Base With Doors.....	9,242.51	136.19
11 44 19 00-0047 EA Stainless Steel Front And Sides Ceramic Boiler On Storage Base With Doors.....	11,486.78	170.02
11 44 19 00-0048 Gas Countertop Hot Plate <small>(11 44 19)</small>		
11 44 19 00-0049 EA 2 Burners Gas Countertop Hot Plate.....	1,178.31	17.34
11 46 Food Dispensing Equipment <small>(11 46)</small>		
11 46 13 Bar Equipment <small>(11 46)</small>		
11 46 13 00-0001 Soft Serve Machines <small>(11 46 13)</small>		



Equipment	11	
Foodservice Equipment	11 40	11
Food Dispensing Equipment	11 46	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 13 00-0002 EA Soft Serve Machines, Medium.....	9,576.17	97.32
11 46 13 00-0003 EA Soft Serve Machines, Large.....	16,147.23	118.89
11 46 13 00-0004 Salad Bars <small>(11 46 13)</small>		
11 46 13 00-0005 EA 96" Refrigerated Salad Bar With Light 54" Height.....	10,027.53	369.30
11 46 13 00-0006 EA 96" Refrigerated Salad Bar Without Light 54" Height.....	9,198.53	369.30
11 46 13 00-0007 EA 96" Iced Salad Bar Without Light 54" Height.....	6,466.58	202.90
11 46 13 00-0008 EA 79" Iced Salad Bar Without Light 54" Height.....	5,114.36	166.69
11 46 13 00-0009 EA 79" Refrigerated Salad Bar Without Light 54" Height.....	7,769.22	244.55
11 46 13 00-0010 EA 114" Iced Salad Bar 34" Height.....	8,556.37	216.62
11 46 13 00-0011 EA Salad Bar Tray Fixed.....	1,208.86	36.69
11 46 13 00-0012 EA Salad Bar Tray Hinged.....	1,285.99	36.69
11 46 16 Service Line Equipment <small>(11 46)</small>		
11 46 16 00-0001 Food Warmer Holding Station <small>(11 46 16)</small>		
11 46 16 00-0002 EA Food Warmer Station And Heat Lamp.....	821.80	13.89
11 46 16 00-0003 Roll And Food Warmers <small>(11 46 16)</small>		
11 46 16 00-0004 EA One Drawer, 16 Roll Capacity Food Warmer.....	1,768.43	29.91
11 46 16 00-0005 EA Three Drawer, 36 Roll Capacity Food Warmer.....	4,046.92	68.50
11 46 16 00-0006 Hot Cabinets With Top Wells Electric <small>(11 46 16)</small>		
11 46 16 00-0007 EA 2 Wells, 2 Compartments Hot Cabinet With Top Wells, Electric.....	9,453.50	136.19
11 46 16 00-0008 EA 3 Wells, 3 Compartments Hot Cabinet With Top Wells, Electric.....	13,506.06	195.18
11 46 16 00-0009 Portable Hot Food Units <small>(11 46 16)</small>		
11 46 16 00-0010 EA 46" Wide x 28" Deep x 34" Height, Three Well, Stainless Steel Hot Food Station (Vollrath Model 37030).....	3,683.26	
11 46 16 00-0011 EA 60" Wide x 28" Deep x 34" Height, Four Well, Stainless Steel Hot Food Station (Vollrath Model 37040).....	4,218.89	
11 46 16 00-0012 EA 74" Wide x 28" Deep x 34" Height, Five Well, Stainless Steel Hot Food Station (Vollrath Model 37050).....	4,769.12	
11 46 16 00-0013 Stationary Hot Food Units <small>(11 46 16)</small>		
11 46 16 00-0014 EA 46" Wide x 29-1/2" Deep x 34" Height, Three Well, Stainless Steel Hot Food Station (Vollrath Model 38203).....	1,119.94	27.73
11 46 16 00-0015 EA 61-1/4" Wide x 29-1/2" Deep x 34" Height, Four Well, Stainless Steel Hot Food Station (Vollrath Model 38204).....	1,502.07	31.93
11 46 16 00-0016 EA 76" Wide x 29-1/2" Deep x 34" Height, Five Well, Stainless Steel Hot Food Station (Vollrath Model 38205).....	1,869.70	40.89
11 46 16 00-0017 Serving Counters <small>(11 46 16)</small>		
11 46 16 00-0018 LF 11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Straight Section.....	100.45	33.59
11 46 16 00-0019 LF 11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Curved Section.....	127.97	51.46
11 46 16 00-0020 Drop-In Equipment <small>(11 46 16)</small>		
11 46 16 00-0021 EA Hot Food Well, Rectangular.....	433.71	107.03
11 46 16 00-0022 EA Hot Food Well, Circular.....	399.39	107.03
11 46 16 00-0023 EA Refrigerated Well, 2 Compartment.....	1,384.15	107.03
11 46 16 00-0024 EA Refrigerated Well, 3 Compartment.....	1,571.75	118.89
11 46 16 00-0025 EA Refrigerated Well, 4 Compartment.....	1,785.35	133.79
11 46 16 00-0026 EA Frost Cold Plate.....	1,627.84	118.89
11 46 16 00-0027 Beverage Dispensing <small>(11 46 16)</small>		
11 46 16 00-0028 EA Coffee Urn, Twin 3 Gallon.....	2,649.35	170.67
11 46 16 00-0029 EA Coffee Urn, Twin 6 Gallon.....	3,772.58	238.89
11 46 16 00-0030 EA Coffee Brewer, 5 Burner.....	1,113.50	170.67
11 46 16 00-0031 EA Hot Chocolate Dispenser.....	1,079.01	140.57
11 46 16 00-0032 EA Iced Tea Brewer.....	1,568.08	140.57
11 46 16 00-0033 EA Juice Dispenser (Concentrate).....	1,161.69	237.62
11 46 16 00-0034 EA Jet Spray Dispenser.....	1,634.03	237.86
11 46 16 00-0035 EA Milk Dispenser, Bulk, 2 Flavor.....	1,362.41	133.79
11 46 16 00-0036 EA Milk Dispenser, Bulk, 3 Flavor.....	1,851.48	133.79
11 46 16 00-0037 Dish Dispensers <small>(11 46 16)</small>		
11 46 16 00-0038 EA Dish Dispenser, 12", Drop-in.....	540.88	25.03
11 46 16 00-0039 EA Dish Dispenser, Mobile.....	1,685.23	29.24
11 46 16 00-0040 EA Cup And Glass Dispenser, Drop-in.....	924.47	77.83
11 46 16 00-0041 EA Disposable Cup Dispenser, Drop-in.....	335.37	17.53
11 46 16 00-0042 Tray And Silver Dispensers <small>(11 46 16)</small>		

11	11 Equipment
	11 40 Foodservice Equipment
	11 46 Food Dispensing Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0043 EA Tray And Silver Dispensers Mobile	2,104.60	17.53
11 46 16 00-0044 Condiment Dispensers (11 46 16)		
11 46 16 00-0045 EA Butter Pat Dispenser	124.47	21.95
11 46 16 00-0046 EA Bread Dispenser, Counter Top	349.27	21.95
11 46 16 00-0047 Sandwich Rack Warmer (11 46 16)		
11 46 16 00-0048 EA 18 Compartment, 2 Tier Sandwich Rack Warmer	2,667.08	110.84
11 46 16 00-0049 Mobile Bread Counter (11 46 16)		
11 46 16 00-0050 EA Mobile Bread And Roll Counter	6,120.47	249.18
11 46 16 00-0051 Open Service Stand (11 46 16)		
11 46 16 00-0052 EA 6' Open Service Stand	2,351.48	85.29
11 46 16 00-0053 LF Each Additional Ft Over 6 Ft Add	321.68	11.53
11 46 16 00-0054 Mobile Serving Stand Unit (11 46 16)		
11 46 16 00-0055 EA 36" Mobile Serving Stand Unit	2,055.05	81.58
11 46 16 00-0056 EA 96" Mobile Serving Stand Unit	3,375.68	122.28
11 46 16 00-0057 Reach-In Heated Cabinets (11 46 16)		
11 46 16 00-0058 EA Heated Cabinet, Reach-in, 1 Compartment	4,135.52	137.25
11 46 16 00-0059 EA Heated Cabinet, Reach-in, 2 Compartment	5,956.71	172.65
11 46 16 00-0060 EA Heated Cabinet, 1 Compartment, Pass-Through Roll-In	4,328.58	137.25
11 46 16 00-0061 EA Heated Cabinet, Pass-Through, Roll-In 2 Compartment	6,237.28	172.65
11 46 16 00-0062 Mobile Heated Cabinets (11 46 16)		
11 46 16 00-0063 EA Heated Cabinet, Mobile	4,635.15	43.82
11 46 19 Soda Fountain Equipment (11 46)		
11 46 19 00-0001 Carbonated Beverage Dispensing (11 46 19)		
11 46 19 00-0002 EA Carbonated Beverage Dispenser	2,915.25	334.52
11 46 19 00-0003 EA Carbonated Beverage Dispenser With 90 LB Ice	4,613.59	382.28
11 46 19 00-0004 EA Carbonated Beverage Dispenser With 150 LB Ice	8,469.88	535.17
11 46 19 00-0005 Beverage Chilling Systems (11 46 19)		
11 46 19 00-0006 EA Beverage Chiller, Small	5,948.71	293.16
11 46 19 00-0007 EA Beverage Chiller, Large	11,116.15	439.78
11 46 83 Ice Machines (11 46)		
11 46 83 00-0001 Ice Cube Maker (11 46 83)		
11 46 83 00-0002 EA 101 LB/Day, Self Contained Ice Maker With Built-In Bin	1,964.66	144.09
11 46 83 00-0003 EA 201 LB/Day, Self Contained Ice Maker With Built-In Bin	2,325.40	154.37
11 46 83 00-0004 EA 260 LB/Day, Self Contained Ice Maker With Built-In Bin	2,661.85	164.67
11 46 83 00-0005 EA 320 LB/Day, Modular Ice Maker Without Bin	2,349.70	154.37
11 46 83 00-0006 EA 451 LB/Day, Modular Ice Maker Without Bin	2,551.83	164.67
11 46 83 00-0007 EA 600 LB/Day, Modular Ice Maker Without Bin	2,909.69	164.67
11 46 83 00-0008 EA 901 LB/Day, Modular Ice Maker Without Bin	4,130.01	174.95
11 46 83 00-0009 EA 1301 LB/Day, Modular Ice Maker Without Bin	4,674.79	174.95
11 46 83 00-0010 EA 1601 LB/Day, Modular Ice Maker Without Bin	5,622.84	185.25
11 46 83 00-0011 EA 1900 LB/Day, Modular Ice Maker Without Bin	6,201.79	185.25
11 46 83 00-0012 Ice Flakers (11 46 83)		
11 46 83 00-0013 EA Ice Flakers, 300 LB/Day	4,536.09	463.04
11 46 83 00-0014 EA Ice Flakers, 600 LB/Day	8,207.82	740.87
11 46 83 00-0015 EA Ice Flakers, 1,000 LB/Day	10,156.99	1,018.69
11 46 83 00-0016 EA Ice Flakers, 2,000 LB/Day	12,396.04	1,111.30
11 46 83 00-0017 Ice Storage Bins (11 46 83)		
11 46 83 00-0018 EA 260 LB Stainless Steel Ice Storage Bin	958.72	105.20
11 46 83 00-0019 EA 360 LB Stainless Steel Ice Storage Bin	1,046.19	105.20
11 46 83 00-0020 EA 550 LB Stainless Steel Ice Storage Bin	1,296.98	113.96
11 46 83 00-0021 EA 660 LB Stainless Steel Ice Storage Bin	1,394.18	113.96
11 46 83 00-0022 EA 1150 LB Stainless Steel Ice Storage Bin	2,626.56	122.72



Equipment	11	
Foodservice Equipment	11 40	11
Food Dispensing Equipment	11 46	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 48 Foodservice Cleaning and Disposal Equipment ^(11 48)

11 48 13 Commercial Dishwashers ^(11 48)

11 48 13 00-0001 Sprays And Hoses ^(11 48 13)

11 48 13 00-0002 Sprays, Fillers ^(11 48 13 00-0001)

11 48 13 00-0003	EA	Pre-Rinse Spray	354.28	69.86
11 48 13 00-0004	EA	Kettle Fillers	311.38	69.86

11 48 13 00-0005 Hoses ^(11 48 13 00-0001)

11 48 13 00-0006	EA	Hose Reel	425.14	83.87
11 48 13 00-0007	EA	Wash-Down Hose	339.33	83.87
11 48 13 00-0008	EA	Hose Reel And Spray System With Accessories (Chicago 535NF)	1,254.11	

11 48 13 00-0009 Rack Type Dishwasher ^(11 48 13)

11 48 13 00-0010	EA	Dishwasher, 1 Tank And 190 Racks/Hour	10,391.93	191.12
11 48 13 00-0011	EA	Dishwasher, 2 Tanks And 234 Racks/Hour	17,413.83	267.57
11 48 13 00-0012	EA	Dishwasher, 2 Tanks And 265 Racks/Hour	20,941.20	286.68
11 48 13 00-0013	EA	Dishwasher, Automatic - 100 Meals/Hour	16,791.95	143.33
11 48 13 00-0014	EA	Dishwasher, Machine Rack	19,553.79	398.20
11 48 13 00-0015	EA	Dishwasher, Hobart LX30-H	5,189.63	167.23

11 48 13 00-0016 Exhaust Hood Dishwasher ^(11 48 13)

11 48 13 00-0017	EA	4' x 4' x 2' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides	2,063.08	198.09
11 48 13 00-0018	EA	4' x 4' x 7' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides	3,533.05	237.70

11 48 13 00-0019 Dish Tables ^(11 48 13)

11 48 13 00-0020	LF	Clean/Soiled Dish Table, Basic	239.23	36.68
11 48 13 00-0021	LF	Clean/Soiled Dish Table With Trough	376.16	54.98
11 48 13 00-0022	LF	Clean/Soiled Dish Table, Maximum	455.38	73.27

11 48 16 Foodservice Disposal Equipment ^(11 48)

11 48 16 00-0001 Garbage Disposals ^(11 48 16)

Note: Manual switch.

11 48 16 00-0002	EA	Garbage Disposal 1.5 HP At 100 GPH	2,118.75	143.33
11 48 16 00-0003	EA	Garbage Disposal 3 HP At 120 GPH	3,242.77	95.56
11 48 16 00-0004	EA	Garbage Disposal 5 HP At 250 GPH	3,869.13	191.12
11 48 16 00-0005	EA	Garbage Disposal 7-1/2 HP	5,324.11	189.97

11 48 16 00-0006 Pulper/Extractors ^(11 48 16)

11 48 16 00-0007	EA	5 HP, Pulper/Extractor, Close-Coupled	4,702.60	199.05
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11 50 Educational And Scientific Equipment ⁽¹¹⁾

11 52 Audio-Visual Equipment ^(11 50)

11 52 13 Projection Screens ^(11 52)

11 52 13 13 Fixed Projection Screens ^(11 52 13)

11 52 13 13-0001 Screens ^(11 52 13 13)

11 52 13 13-0002 Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model B)

^(11 52 13 13-0001)

11 52 13 13-0003	EA	40" x 40" Pull Down Projection Screen (Da-Lite B)	245.77	67.55
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0004	EA	50" x 50" Pull Down Projection Screen (Da-Lite B)	295.56	86.85
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0005	EA	60" x 60" Pull Down Projection Screen (Da-Lite B)	383.98	120.63
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0006	EA	70" x 70" Pull Down Projection Screen (Da-Lite B)	448.28	144.75
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	

11 Equipment**11 50 Educational And Scientific Equipment****11 52 Audio-Visual Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0007 EA 84" x 84" Pull Down Projection Screen (Da-Lite B).....	689.25	217.13
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0008 EA 96" x 96" Pull Down Projection Screen (Da-Lite B).....	801.64	241.25
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0009 EA 64" x 84" Pull Down Projection Screen (Da-Lite B).....	563.79	154.40
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0010 EA 72" x 96" Pull Down Projection Screen (Da-Lite B).....	657.03	193.00
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0011 EA 43" x 57" Pull Down Projection Screen (Da-Lite B).....	338.85	82.02
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0012 EA 50" x 67" Pull Down Projection Screen (Da-Lite B).....	470.55	115.80
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0013 EA 55" x 77" Pull Down Projection Screen (Da-Lite B).....	515.54	130.28
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0014 EA 60" x 80" Pull Down Projection Screen (Da-Lite B).....	550.88	139.92
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0015 EA 69" x 92" Pull Down Projection Screen (Da-Lite B).....	640.85	168.87
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0016 EA 45" x 80" Pull Down Projection Screen (Da-Lite B).....	512.28	120.63
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0017 EA 52" x 92" Pull Down Projection Screen (Da-Lite B).....	582.95	139.92
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0018 Heavy Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C) (11 52 13 13-0001)		
11 52 13 13-0019 EA 50" x 50" Pull Down Projection Screen (Da-Lite C).....	520.08	86.85
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0020 EA 60" x 60" Pull Down Projection Screen (Da-Lite C).....	624.53	120.63
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0021 EA 70" x 70" Pull Down Projection Screen (Da-Lite C).....	743.46	164.05
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0022 EA 84" x 84" Pull Down Projection Screen (Da-Lite C).....	881.69	217.13
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0023 EA 6' x 8' Pull Down Projection Screen (Da-Lite C).....	955.48	221.95
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0024 EA 8' x 8' Pull Down Projection Screen (Da-Lite C).....	1,026.15	241.25
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0025 EA 7' x 9' Pull Down Projection Screen (Da-Lite C).....	1,042.19	241.25
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0026 EA 9' x 9' Pull Down Projection Screen (Da-Lite C).....	1,119.25	255.73
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0027 EA 8' x 10' Pull Down Projection Screen (Da-Lite C).....	1,196.31	270.20
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	



Equipment	11	
Educational And Scientific Equipment	11 50	11
Audio-Visual Equipment	11 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0028	EA		10' x 10' Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,283.02 40.00 40.00 120.00	289.50
11 52 13 13-0029	EA		9' x 12' Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,411.32 40.00 40.00 120.00	289.50
11 52 13 13-0030	EA		12' x 12' Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,668.48 40.00 40.00 120.00	386.00
11 52 13 13-0031			Heavy Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C With CSR) <small>(11 52 13 13-0001)</small> Note: With controlled screen return.		
11 52 13 13-0032	EA		60" x 60" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	945.27 40.00 40.00 120.00	120.63
11 52 13 13-0033	EA		70" x 70" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,080.24 40.00 40.00 120.00	164.05
11 52 13 13-0034	EA		84" x 84" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,218.47 40.00 40.00 120.00	217.13
11 52 13 13-0035	EA		6' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,276.22 40.00 40.00 120.00	221.95
11 52 13 13-0036	EA		8' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,362.93 40.00 40.00 120.00	241.25
11 52 13 13-0037	EA		7' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,378.97 40.00 40.00 120.00	241.25
11 52 13 13-0038	EA		9' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,456.03 40.00 40.00 120.00	255.73
11 52 13 13-0039	EA		8' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,491.38 40.00 40.00 120.00	265.37
11 52 13 13-0040	EA		10' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,667.91 40.00 40.00 120.00	289.50
11 52 13 13-0041	EA		9' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,812.25 40.00 40.00 120.00	289.50
11 52 13 13-0042	EA		12' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	2,101.48 40.00 40.00 120.00	386.00
11 52 13 13-0043			Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Cosmopolitan Electrol) <small>(11 52 13 13-0001)</small> Note: Heavy-duty screen for exposed installation.		
11 52 13 13-0044	EA		50" x 50" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	1,453.93	108.56
11 52 13 13-0045	EA		60" x 60" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	1,492.81	120.63
11 52 13 13-0046	EA		70" x 70" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	1,569.12	144.75
11 52 13 13-0047	EA		84" x 84" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	1,840.79	217.13
11 52 13 13-0048	EA		6' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	1,885.85	221.95
11 52 13 13-0049	EA		8' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,005.63	241.25
11 52 13 13-0050	EA		7' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,042.53	241.25
11 52 13 13-0051	EA		9' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,147.15	258.14
11 52 13 13-0052	EA		8' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,270.15	270.20
11 52 13 13-0053	EA		10' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,357.46	289.50
11 52 13 13-0054	EA		9' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,423.88	289.50
11 52 13 13-0055	EA		12' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,732.01	386.00
11 52 13 13-0056			Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Professional Electrol) <small>(11 52 13 13-0001)</small> Note: Heavy-duty screen for exposed or recessed installation without doors.		

11 Equipment
11 50 Educational And Scientific Equipment
11 52 Audio-Visual Equipment



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0057	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)..... Note: Heavy-duty screen for exposed or recessed installation without doors.	3,303.69	289.50
11 52 13 13-0058	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)..... Note: Heavy-duty screen for exposed or recessed installation without doors.	3,624.99	386.00
11 52 13 13-0059	EA	14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)..... Note: Heavy-duty screen for exposed or recessed installation without doors.	4,459.18	434.26
11 52 13 13-0060	EA	12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)..... Note: Heavy-duty screen for exposed or recessed installation without doors.	4,716.05	482.50
11 52 13 13-0061	EA	11' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)..... Note: Heavy-duty screen for exposed or recessed installation without doors.	5,069.43	579.00
11 52 13 13-0062	EA	13.5' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)..... Note: Heavy-duty screen for exposed or recessed installation without doors.	5,647.04	627.25
11 52 13 13-0063	EA	18' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)..... Note: Heavy-duty screen for exposed or recessed installation without doors.	6,176.54	675.51
11 52 13 13-0064	EA	15' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)..... Note: Heavy-duty screen for exposed or recessed installation without doors.	6,497.28	675.51
11 52 13 13-0065	EA	20' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)..... Note: Heavy-duty screen for exposed or recessed installation without doors.	7,027.06	772.01
11 52 13 13-0066	EA	11' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)..... Note: Heavy-duty screen for exposed or recessed installation without doors.	6,448.89	627.25
11 52 13 13-0067	EA	16.5' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)..... Note: Heavy-duty screen for exposed or recessed installation without doors.	6,898.76	772.01
11 52 13 13-0068	EA	22' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)..... Note: Heavy-duty screen for exposed or recessed installation without doors.	7,252.13	868.50
11 52 13 13-0069	EA	12' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)..... Note: Heavy-duty screen for exposed or recessed installation without doors.	6,866.13	675.51
11 52 13 13-0070	EA	18' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)..... Note: Heavy-duty screen for exposed or recessed installation without doors.	8,855.83	868.50
11 52 13 13-0071		Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Executive Electrol) <small>(11 52 13 13-0001)</small> Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0072	EA	50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,941.82	108.56
11 52 13 13-0073	EA	60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,014.05	120.63
11 52 13 13-0074	EA	70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,094.38	144.75
11 52 13 13-0075	EA	84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,351.39	217.13
11 52 13 13-0076	EA	6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,393.10	221.95
11 52 13 13-0077	EA	8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,527.93	241.25
11 52 13 13-0078	EA	7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,624.15	241.25
11 52 13 13-0079	EA	9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,706.04	258.14
11 52 13 13-0080	EA	8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,810.34	270.20
11 52 13 13-0081	EA	10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,913.09	289.50
11 52 13 13-0082	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,945.17	289.50
11 52 13 13-0083	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,298.55	386.00
11 52 13 13-0084	EA	10.6' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,603.38	410.13
11 52 13 13-0085	EA	14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,812.00	434.26
11 52 13 13-0086	EA	12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,261.31	482.50
11 52 13 13-0087	EA	16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,534.51	579.00
11 52 13 13-0088		Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Senior Electrol) <small>(11 52 13 13-0001)</small> Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0089	EA	50" x 50" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,454.29	108.56
11 52 13 13-0090	EA	60" x 60" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,524.98	132.69
11 52 13 13-0091	EA	70" x 70" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,563.55	144.75
11 52 13 13-0092	EA	84" x 84" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,754.81	217.13
11 52 13 13-0093	EA	6' x 8' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	2,778.89	221.95
11 52 13 13-0094	EA	8' x 8' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	2,878.43	241.25



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Educational And Scientific Equipment	11 50
Audio-Visual Equipment	11 52

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0095 EA 7' x 9' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,963.42	241.25
11 52 13 13-0096 EA 9' x 9' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,111.07	258.14
11 52 13 13-0097 EA 8' x 10' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,157.64	270.20
11 52 13 13-0098 EA 10' x 10' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,265.20	289.50
11 52 13 13-0099 EA 9' x 12' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,297.56	337.75
11 52 13 13-0100 EA 12' x 12' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,618.58	386.00
11 52 13 13-0101 EA 10'-6" x 14' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,465.46	410.13
11 52 13 13-0102 EA 14' x 14' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	4,666.06	434.26
11 52 13 13-0103 EA 12' x 16' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,059.25	482.50
11 52 13 13-0104 EA 16' x 16' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,319.61	579.00
11 52 13 13-0105 EA 13'-6" x 18' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,792.98	627.25
11 52 13 13-0106 EA 18' x 18' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	6,157.30	675.51
11 52 13 13-0107 EA 15' x 20' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	6,391.44	675.51
11 52 13 13-0108 EA 20' x 20' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	7,084.79	772.01
11 52 13 13-0109 EA 50" x 67" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,563.55	144.75
11 52 13 13-0110 EA 60" x 80" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,706.55	193.00
11 52 13 13-0111 EA 69" x 92" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,769.25	217.13
11 52 13 13-0112 EA 87" x 116" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,173.68	270.20
11 52 13 13-0113 EA 105" x 140" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,430.67	337.75
11 52 13 13-0114 EA 123" x 164" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,263.53	434.26
11 52 13 13-0115 EA 141" x 188" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,578.42	530.76
11 52 13 13-0116 EA 12' x 24' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	7,905.60	723.75
11 52 13 13-0117 EA 45" x 80" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,714.57	193.00
11 52 13 13-0118 EA 52" x 92" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,793.30	217.13
11 52 13 13-0119 EA 54" x 96" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,868.76	231.60
11 52 13 13-0120 EA 58" x 104" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,921.79	250.90
11 52 13 13-0121 EA 65" x 116" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,096.70	270.20
11 52 13 13-0122 EA 78" x 139" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,369.73	337.75
11 52 13 13-0123 EA 92" x 164" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,220.23	434.26
11 52 13 13-0124 EA 106" x 188" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,897.56	530.76
11 52 13 13-0125 EA 119" x 212" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,932.50	627.25
11 52 13 13-0126 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Boardroom Electrol) <small>(11 52 13 13-0001)</small>		
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0127 EA 50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,789.62	108.56
11 52 13 13-0128 EA 60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,849.17	120.63
11 52 13 13-0129 EA 70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,923.99	144.75
11 52 13 13-0130 EA 84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,160.25	217.13
11 52 13 13-0131 EA 6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,199.41	221.95
11 52 13 13-0132 EA 8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,301.47	241.25
11 52 13 13-0133 EA 7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,400.35	241.25
11 52 13 13-0134 EA 9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,497.60	258.14

11 Equipment**11 50 Educational And Scientific Equipment****11 52 Audio-Visual Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0135 EA 8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,568.95	270.20
11 52 13 13-0136 EA 10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,682.82	289.50
11 52 13 13-0137 EA 9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,784.65	289.50
11 52 13 13-0138 EA 12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,063.27	386.00
11 52 13 13-0139 Electric Ascending Project Screen, Matte White, Glass Beaded (Da-Lite Ascender Electrol) ^(11 52 13 13-0001) Note: High contrast matte white, video spectrum or high power. Includes a motorized spring assisted scissors mechanism which raises the screen surface from the housing ensuring smooth operation. A trap door housing keeps the screen and lift mechanism hidden until the screen is activated.		
11 52 13 13-0140 EA 60" x 80" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	7,505.10	241.25
11 52 13 13-0141 EA 69" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	8,050.64	289.50
11 52 13 13-0142 EA 87" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	9,430.65	434.26
11 52 13 13-0143 EA 105" x 140" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	11,901.20	579.00
11 52 13 13-0144 EA 120" x 160" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	13,216.79	675.51
11 52 13 13-0145 EA 52" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	7,954.14	241.25
11 52 13 13-0146 EA 58" x 104" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	8,708.16	289.50
11 52 13 13-0147 EA 65" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	9,237.66	337.75
11 52 13 13-0148 EA 78" x 139" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	11,611.69	434.26
11 52 13 13-0149 Electric Rear Projection Screen (Da-Lite DA-View) ^(11 52 13 13-0001) Note: Consists of a single acrylic layer with rear Fensel lens and lenticulated front profile. Un-framed.		
11 52 13 13-0150 EA 60" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	2,741.68	241.25
11 52 13 13-0151 EA 67" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	3,417.84	265.37
11 52 13 13-0152 EA 72" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	3,905.61	289.50
11 52 13 13-0153 EA 84" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	6,904.99	313.63
11 52 13 13-0154 EA 90" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	7,643.94	7,306.18
11 52 13 13-0155 EA 96" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	8,493.92	386.00
11 52 13 13-0156 EA 100" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	10,850.85	434.26
11 52 13 13-0157 EA 120" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	14,589.17	482.50
11 52 13 13-0158 EA 125" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	16,318.22	530.76
11 52 13 13-0159 EA 135" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	21,751.87	579.00
11 52 13 13-0160 Screen Accessories ^(11 52 13 13-0001)		
11 52 13 13-0161 Manual Pull Down Accessories ^(11 52 13 13-0160)		
11 52 13 13-0162 EA 6" Mounting Bracket (Pair).....	43.35	7.24
11 52 13 13-0163 EA 14" Wall Mounting Bracket (Pair).....	59.38	7.72
11 52 13 13-0164 EA 14-1/2" To 24" Adjustable Wall Mounting Bracket (Pair).....	69.01	8.69
11 52 13 13-0165 Electric Powered Screen Accessories ^(11 52 13 13-0160)		
11 52 13 13-0166 EA Single Motor Low Voltage Remote Control System - Infrared.....	407.39	
11 52 13 13-0167 EA Single Motor Low Voltage Remote Control System - Radio Frequency.....	583.80	
11 52 13 13-0168 Relocate Existing Fixed Projection Screen ^(11 52 13 13)		
11 52 13 13-0169 EA Relocate Electric Controlled Projection Screen, Including Storage And Cleaning.....	1,419.13	
11 52 13 16 Portable Projection Screens ^(11 52 13)		
11 52 13 16-0001 Motion Picture Screen And Case ^(11 52 13 16)		
11 52 13 16-0002 SF Screen, Riser Projection With Anodized Aluminum Frame.....	27.68	3.47



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Educational And Scientific Equipment	11 50	11
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 52 16 Projectors ^(11 52)

11 52 16 26 Video Projectors ^(11 52 16)

11 52 16 26-0001 Projectors ^(11 52 16 26)

11 52 16 26-0002	EA	2,000 Lumens Output, 800 x 600 Pixels, SVGA Compact 3LCD Panels Projector.....	780.37	48.25
11 52 16 26-0003	EA	2,000 Lumens Output, 1024 x 768 Pixels, XGA Compact 3LCD Panels Projector.....	900.05	48.25
11 52 16 26-0004	EA	2,000 Lumens Output, 1280 x 800 Pixels, WXGA Compact 3LCD Panels Projector.....	1,182.15	48.25
11 52 16 26-0005	EA	3,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	1,848.92	48.25
11 52 16 26-0006	EA	3,500 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	2,148.12	48.25
11 52 16 26-0007	EA	3,000 Lumens Output, 1366 x 800 Pixels, WXGA 3LCD Panels Projector.....	2,720.86	48.25
11 52 16 26-0008	EA	4,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	4,310.86	48.25
11 52 16 26-0009	EA	5,200 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	5,832.48	48.25
11 52 16 26-0010	EA	6,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	8,644.90	48.25

11 52 16 26-0011 Projector Mounts ^(11 52 16 26)

11 52 16 26-0012 Universal Projector Mounts ^(11 52 16 26-0011)

Note: Includes ceiling or wall mounting hardware and hardware for attaching projector. Excludes projector.

11 52 16 26-0013	EA	Flush Ceiling, Universal Projector Mount (Peerless PPF).....	194.77	53.06
11 52 16 26-0014	EA	Wall Arm, Universal Projector Mount (Peerless PWA-14).....	300.89	53.06

11 52 16 26-0015 Projector Mount Components ^(11 52 16 26-0011)

Note: Complete projector mount system will include ceiling attachment plate, threaded extension column and projector attachment plate. Excludes projector.

11 52 16 26-0016 Ceiling Attachment Plates For Projector Mounts ^(11 52 16 26-0015)

11 52 16 26-0017	EA	Finished Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 570).....	73.47	24.11
11 52 16 26-0018	EA	Truss Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 557).....	95.25	24.11
11 52 16 26-0019	EA	I-Beam Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 558/559).....	127.49	24.11
11 52 16 26-0020	EA	Suspended Ceiling, Attachment Plate For Projector Mounts (Peerless CMJ 455).....	160.22	24.11

11 52 16 26-0021 Projector Attachment Plates For Projector Mounts ^(11 52 16 26-0015)

11 52 16 26-0022	EA	Universal Projector Attachment Plate For Projector Mounts (Peerless PRG-UNV).....	222.85	24.11
11 52 16 26-0023	EA	High Security Projector Enclosure For Projector Mounts (Peerless ALB).....	476.75	24.11

11 52 16 26-0024 Threaded Extension Columns For Projector Mounts ^(11 52 16 26-0015)

11 52 16 26-0025 Fixed Length, Threaded Extension Column For Projector Mounts ^(11 52 16 26-0024)

Note: Peerless EXT series.

11 52 16 26-0026	EA	6" Fixed Length, Threaded Extension Column For Projector Mounts.....	40.00	7.24
11 52 16 26-0027	EA	12" Fixed Length, Threaded Extension Column For Projector Mounts.....	50.75	7.24
11 52 16 26-0028	EA	18" Fixed Length, Threaded Extension Column For Projector Mounts.....	54.78	7.24
11 52 16 26-0029	EA	24" Fixed Length, Threaded Extension Column For Projector Mounts.....	57.47	7.24
11 52 16 26-0030	EA	36" Fixed Length, Threaded Extension Column For Projector Mounts.....	68.99	9.65
11 52 16 26-0031	EA	48" Fixed Length, Threaded Extension Column For Projector Mounts.....	82.43	9.65
11 52 16 26-0032	EA	60" Fixed Length, Threaded Extension Column For Projector Mounts.....	103.92	9.65
11 52 16 26-0033	EA	72" Fixed Length, Threaded Extension Column For Projector Mounts.....	118.70	9.65
11 52 16 26-0034	EA	84" Fixed Length, Threaded Extension Column For Projector Mounts.....	139.64	12.06
11 52 16 26-0035	EA	96" Fixed Length, Threaded Extension Column For Projector Mounts.....	158.44	12.06
11 52 16 26-0036	EA	108" Fixed Length, Threaded Extension Column For Projector Mounts.....	176.71	14.48
11 52 16 26-0037	EA	120" Fixed Length, Threaded Extension Column For Projector Mounts.....	184.77	14.48

11 52 16 26-0038 Adjustable Length, Threaded Extension Columns For Projector Mounts ^(11 52 16 26-0024)

Note: Peerless ADJ series. Adjustable at 1" increments.

11 52 16 26-0039	EA	6" To 9" Adjustable Length, Threaded Extension Column For Projector Mounts.....	80.53	12.06
11 52 16 26-0040	EA	12" To 18" Adjustable Length, Threaded Extension Column For Projector Mounts.....	120.83	12.06
11 52 16 26-0041	EA	18" To 24" Adjustable Length, Threaded Extension Column For Projector Mounts.....	123.52	12.06
11 52 16 26-0042	EA	24" To 36" Adjustable Length, Threaded Extension Column For Projector Mounts.....	127.55	12.06
11 52 16 26-0043	EA	36" To 60" Adjustable Length, Threaded Extension Column For Projector Mounts.....	139.09	14.48
11 52 16 26-0044	EA	48" To 72" Adjustable Length, Threaded Extension Column For Projector Mounts.....	145.81	14.48
11 52 16 26-0045	EA	60" To 84" Adjustable Length, Threaded Extension Column For Projector Mounts.....	160.59	14.48
11 52 16 26-0046	EA	72" To 96" Adjustable Length, Threaded Extension Column For Projector Mounts.....	174.02	14.48
11 52 16 26-0047	EA	84" To 108" Adjustable Length, Threaded Extension Column For Projector Mounts.....	193.63	16.88
11 52 16 26-0048	EA	96" To 120" Adjustable Length, Threaded Extension Column For Projector Mounts.....	207.06	16.88
11 52 16 26-0049	EA	108" To 132" Adjustable Length, Threaded Extension Column For Projector Mounts.....	226.65	19.29
11 52 16 26-0050	EA	120" To 144" Adjustable Length, Threaded Extension Column For Projector Mounts.....	236.06	19.29

11 52 33 Display Monitors And Panels ^(11 52)

11 52 33 00-0001 Television Monitors And Panels ^(11 52 33)

Note: Excludes wall or ceiling mounts See CSI section 11 52 33 00-0018 for television mounting.

11 52 33 00-0002	EA	27" HD Television, LCD, 1080 DPI, 60 Hertz.....	386.89	14.02
11 52 33 00-0003	EA	32" HD Television, LCD, 720 DPI, 60 Hertz.....	424.69	15.78
11 52 33 00-0004	EA	32" HD Television, LCD, 1080 DPI, 120 Hertz.....	576.26	17.53

11 Equipment
11 50 Educational And Scientific Equipment
11 52 Audio-Visual Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 33 00-0005 EA 32" HD Television, LED, 1920x1080 With WI-FI..... Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	581.53	17.53
11 52 33 00-0006 EA 40" HD Television, LED, 1920x1080 With WI-FI..... Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	658.49	19.29
11 52 33 00-0007 EA 46" HD Television, LED, 1920x1080 With WI-FI..... Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	773.04	21.04
11 52 33 00-0008 EA 50" HD Television, LED, 1920x1080 With WI-FI..... Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	962.80	22.79
11 52 33 00-0009 EA 55" HD Television, LED, 1920x1080 With WI-FI..... Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	1,150.80	22.79
11 52 33 00-0010 EA 60" HD Television, LED, 1920x1080 With WI-FI..... Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	1,340.56	24.55
11 52 33 00-0011 EA 65" HD Television, LED, 1920x1080 With WI-FI..... Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	1,624.32	26.30
11 52 33 00-0012 EA 75" HD Television, LED, 1920x1080 With WI-FI..... Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	2,566.08	28.05
11 52 33 00-0013 EA 46" 3D Television, LED, 1080 DPI, 240 Hertz.....	1,182.22	21.04
11 52 33 00-0014 EA 55" 3D Television, LED, 1080 DPI, 240 Hertz.....	1,648.45	22.79
11 52 33 00-0015 EA 60" 3D Television, LED, 1080 DPI, 240 Hertz.....	2,230.81	24.55
11 52 33 00-0016 EA 65" 3D Television, LED, 1080 DPI, 240 Hertz.....	2,348.68	26.30
11 52 33 00-0017 EA 75" 3D Television, LED, 1080 DPI, 240 Hertz.....	3,509.87	26.30
11 52 33 00-0018 Flat Panel Display Mounting (11 52 33) Note: Includes anchors, bolts and hardware. Excludes blocking in walls or ceiling.		
11 52 33 00-0019 EA Swivel Wall Mounts For 10" To 30" Flat Panel Displays Note: 2.6" To 16.6" swing arm extension, 12 degrees tilt	292.53	96.64
11 52 33 00-0020 EA Premium Swivel Wall Mounts For 23" To 37" Flat Panel Displays..... Note: 4.5" To 20.3" swing arm extension, 15 degrees tilt	437.63	120.80
11 52 33 00-0021 EA Swivel Wall Mounts For 32" To 60" Flat Panel Displays Note: 4.5" To 20.3" swing arm extension, 15 degrees tilt	463.57	144.95
11 52 33 00-0022 EA Swivel Wall Mounts For 32" To 60" Flat Panel Displays With Extra Wide 24" Back Plate Note: 4.5" To 20.3" swing arm extension, 15 degrees tilt	488.44	144.95
11 52 33 00-0023 EA Swivel Wall Mounts For 32" To 50" Flat Panel Displays Note: 4.5" To 26.2" swing arm extension, 15 degrees tilt	488.44	144.95
11 52 33 00-0024 EA Full Motion Wall Mounts For 13" To 26" Flat Panel Displays Note: 8" Extension	280.12	96.64
11 52 33 00-0025 EA Full Motion Wall Mounts For 26" To 40" Flat Panel Displays Note: 9.7" Extension	378.08	120.80
11 52 33 00-0026 EA Full Motion Wall Mounts For 32" To 56" Flat Panel Displays Note: 10.2" Extension	612.52	144.95
11 52 33 00-0027 EA Full Motion Wall Mounts For 42" To 84" Flat Panel Displays Note: 20" Extension	855.79	169.11
11 52 33 00-0028 EA Low Profile Tilting Wall Mounts For 26" To 40" Flat Panel Displays Note: 20" Extension	353.26	120.80
11 52 33 00-0029 EA Low Profile Tilting Wall Mounts For 32" To 70" Flat Panel Displays Note: 20" Extension	402.89	120.80
11 52 33 00-0030 EA Low Profile Tilting Wall Mounts For 75" Flat Panel Displays.....	475.70	144.95
11 52 33 00-0031 EA Low Profile Wall Mounts For 26" To 40" Flat Panel Displays.....	303.63	120.80
11 52 33 00-0032 EA Low Profile Wall Mounts For 40" To 70" Flat Panel Displays.....	340.85	120.80
11 52 33 00-0033 EA Low Profile Wall Mounts For 75" Flat Panel Displays.....	406.03	144.95
11 52 33 00-0034 EA Full Motion (Rotates And Tilts) Ceiling Mounts For 32" To 50" Flat Panel Displays, 39" To 63" Extension From Ceiling..... Note: 360 degree rotation, 15 degree tilt.	502.61	193.28
11 52 33 00-0035 EA Full Motion (Rotates And Tilts) Ceiling Mounts For 32" To 70" Flat Panel Displays, 18" To 31" Extension From Ceiling..... Note: 360 degree rotation, 15 degree tilt.	572.28	193.28
For 28" To 41" Extension Pole, Add	24.27	
For 38" To 51" Extension Pole, Add	30.91	
For 48" To 61" Extension Pole, Add	35.33	
11 52 33 00-0036 EA VMP Full Motion (Rotates And Tilts) Ceiling Mounts For 37" To 80" Flat Panel Displays, 15" To 37" Extension From Ceiling Note: 360 degree rotation, 15 degree tilt.	596.62	193.28
11 52 33 00-0037 Audio/Video Components (11 52 33)		
11 52 33 00-0038 EA MLC 104 IP Plus MLC - MediaLink™ Controller with IP Link® Ethernet Control, White (Extron Electronics #60-818-03).....	929.38	72.48
11 52 33 00-0039 EA MLC 226 IP Enhanced MLC - MediaLink™ Controller with IP Link® Ethernet Control, Black (Extron Electronics #60-600-02).....	1,246.04	72.48
11 52 33 00-0040 EA MPA 152 MPA 152 - Stereo Power Amplifier (Extron Electronics #60-844-01).....	285.81	24.16
11 52 33 00-0041 EA MPA 401-70 Volt, 70 Volt Mono Power Amp - 40 Watts (Extron Electronics #60-845-01).....	328.99	24.16
11 52 33 00-0042 EA MLS 406 Six Input MLS - MediaLink™ Switcher with Variable Preamp Audio Output Variable Preamp Audio Output (Extron Electronics #60-560-01).....	1,337.55	96.64
11 52 33 00-0043 EA MLS 406MA Six Input MLS - MediaLink™ Switcher with Mono Audio Amplifier Mono Audio Amplifier (Extron Electronics #60-560-02).....	1,481.48	96.64
11 52 33 00-0044 EA MLS 406SA Six Input MLS - MediaLink™ Switcher with Stereo Audio Amplifier Stereo Audio Amplifier (Extron Electronics #60-560-03).....	1,481.48	96.64
11 52 33 00-0045 EA Wall Plate VGA 3.5 RJ-45 Passthru (Liberty Cable #PC-G1600-E-P-C).....	97.37	12.08
11 52 33 00-0046 EA DVD/VCR Combo (Toshiba #SD V296).....	94.03	
11 52 33 00-0047 EA DVD/VCR Combo (Toshiba #SD V392).....	95.28	
11 52 33 00-0048 EA DVDr/VCR Combo (Toshiba #DVR620).....	172.20	
11 52 33 00-0049 EA DVDr/VCR Combo (Toshiba #DVR670).....	235.49	



Equipment	11	
Educational And Scientific Equipment	11 50	11
Audio-Visual Equipment	11 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 52 33 00-0050 Audio/Video Cabling ^(11 52 33)		
11 52 33 00-0051	EA	HDMI M-M Pro/3 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-03).....24.01
11 52 33 00-0052	EA	HDMI M-M Pro/6 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-06).....34.80
11 52 33 00-0053	EA	HDMI M-M Pro/12 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-12).....51.96
11 52 33 00-0054	EA	HDMI M-M Pro/25 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-25).....107.39
11 52 33 00-0055	EA	HDMI M-M Pro/35 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-35).....150.57
11 52 33 00-0056	EA	HDMI M-M Pro/50 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-50).....206.95
11 52 33 00-0057	EA	HDMI M-M Pro/75 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-75).....282.51
11 52 33 00-0058	EA	HDMI M-M Pro/100 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-100).....347.28
11 52 33 00-0059	EA	HDMI M-M Pro/125 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-125).....414.47
11 52 33 00-0060	EA	HDMI M-M Pro/150 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-150).....457.65
11 52 33 00-0061	EA	HDMI M-M Pro/175 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-175).....546.43
11 52 33 00-0062	EA	HDMI M-M Pro/200 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-200).....656.80
11 52 33 00-0063	EA	DVI-D/3 Single Link Male to Male Cables (Extron Electronics #26-649-03).....24.01
11 52 33 00-0064	EA	DVI-D/6 Single Link Male to Male Cables (Extron Electronics #26-649-06).....34.80
11 52 33 00-0065	EA	DVI-D/12 Single Link Male to Male Cables (Extron Electronics #26-649-12).....51.96
11 52 33 00-0066	EA	DVI-D/25 Single Link Male to Male Cables (Extron Electronics #26-649-25).....107.39
11 52 33 00-0067	EA	DVI-D/35 Single Link Male to Male Cables (Extron Electronics #26-649-35).....150.57
11 52 33 00-0068	EA	DVI-D/50 Single Link Male to Male Cables (Extron Electronics #26-649-50).....206.95
11 52 33 00-0069	EA	DVI-D/75 Single Link Male to Male Cables (Extron Electronics #26-649-75).....282.51
11 52 33 00-0070	EA	DVI-D/100 Single Link Male to Male Cables (Extron Electronics #26-649-100).....347.28
11 52 33 00-0071	EA	DVI-D/125 Single Link Male to Male Cables (Extron Electronics #26-649-125).....414.47
11 52 33 00-0072	EA	DVI-D/150 Single Link Male to Male Cables (Extron Electronics #26-649-150).....457.65
11 52 33 00-0073	EA	DVI-D/175 Single Link Male to Male Cables (Extron Electronics #26-649-175).....546.43
11 52 33 00-0074	EA	DVI-D/200 Single Link Male to Male Cables (Extron Electronics #26-649-200).....656.80
11 52 33 00-0075	EA	AV RCA/6 RCA Male to Male Composite Video and Stereo Audio Cables 6' (Extron Electronics #26-643-06).....11.06
11 52 33 00-0076	EA	AV RCA/20 RCA Male to Male Composite Video and Stereo Audio Cables 20' (Extron Electronics #26-643-20).....17.79
11 52 33 00-0077	EA	VGA M-M MD/3 Male to Male VGA Molded Connector Cables 3' (Extron Electronics #26-238-14).....13.22
11 52 33 00-0078	EA	VGA M-M MD/6 Male to Male VGA Molded Connector Cables 6' (Extron Electronics #26-238-01).....14.29
11 52 33 00-0079	EA	VGA M-M MD/10 Male to Male VGA Molded Connector Cables 10' (Extron Electronics #26-238-07).....19.57
11 52 33 00-0080	EA	VGA M-M MD/15 Male to Male VGA Molded Connector Cables 15' (Extron Electronics #26-238-02).....22.81
11 52 33 00-0081	EA	VGA M-M MD/25 Male to Male VGA Molded Connector Cables 25' (Extron Electronics #26-238-03).....36.15
11 52 33 00-0082	EA	VGA M-M MD/35 Male to Male VGA Molded Connector Cables 35' (Extron Electronics #26-238-17).....50.18
11 52 33 00-0083	EA	VGA M-M MD/50 Male to Male VGA Molded Connector Cables 50' (Extron Electronics #26-238-18).....66.61
11 52 33 00-0084	EA	VGA M-M MD/75 Male to Male VGA Molded Connector Cables 75' (Extron Electronics #26-238-19).....88.20
11 52 33 00-0085	EA	VGA M-M MD/100 Male to Male VGA Molded Connector Cables 100' (Extron Electronics #26-238-20).....109.79
11 52 33 00-0086	EA	VGA M-M BK/3 Male to Male VGA Backshell Connector Cables 3' (Extron Electronics #26-238-24).....18.61
11 52 33 00-0087	EA	VGA M-M BK/6 Male to Male VGA Backshell Connector Cables 6' (Extron Electronics #26-238-25).....19.69
11 52 33 00-0088	EA	VGA M-M BK/10 Male to Male VGA Backshell Connector Cables 10' (Extron Electronics #26-238-26).....24.97
11 52 33 00-0089	EA	VGA M-M BK/15 Male to Male VGA Backshell Connector Cables 15' (Extron Electronics #26-238-27).....30.37
11 52 33 00-0090	EA	VGA M-M BK/25 Male to Male VGA Backshell Connector Cables 25' (Extron Electronics #26-238-28).....42.62
11 52 33 00-0091	EA	VGA M-M BK/35 Male to Male VGA Backshell Connector Cables 35' (Extron Electronics #26-238-16).....56.66
11 52 33 00-0092	EA	VGA M-M BK/50 Male to Male VGA Backshell Connector Cables 50' (Extron Electronics #26-238-04).....77.41
11 52 33 00-0093	EA	VGA M-M BK/75 Male to Male VGA Backshell Connector Cables 75' (Extron Electronics #26-238-05).....99.00
11 52 33 00-0094	EA	VGA M-M BK/100 Male to Male VGA Backshell Connector Cables 100' (Extron Electronics #26-238-06).....125.98
11 52 33 00-0095	EA	A Mini/9 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-01).....4.58
11 52 33 00-0096	EA	A Mini/9 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-03).....5.66
11 52 33 00-0097	EA	A Mini/12 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-06).....6.74
11 52 33 00-0098	EA	A Mini/25 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-07).....8.90

11 53 Laboratory Equipment ^(11 50)

11 53 43 Service Fittings And Accessories ^(11 53)

11 53 43 00-0001 Outlet And Valves ^(11 53 43)		
11 53 43 00-0002	EA	Medical Outlet Conversion Kit (Air, Oxygen, And Vacuum).....669.00
11 53 43 00-0003 Test And Certify ^(11 53 43)		
11 53 43 00-0004	EA	Test And Certify Medical Gas Port.....46.30

11 60 Entertainment and Recreation Equipment ⁽¹¹⁾

11 66 Athletic Equipment ^(11 60)

11 66 13 Exercise Equipment ^(11 66)

11 66 13 00-0001 Fitness Systems ^(11 66 13)			
11 66 13 00-0002 Components For Physical Fitness Activities ^(11 66 13 00-0001)			
11 66 13 00-0003	EA	Sit And Reach.....868.55	88.08
11 66 13 00-0004	EA	Isometric Squat.....325.30	35.23
11 66 13 00-0005	EA	Log Jump.....2,056.09	140.93
11 66 13 00-0006	EA	Step Up.....487.12	70.46
11 66 13 00-0007	EA	Hip Rotation.....2,237.22	123.32
11 66 13 00-0008	EA	Body Curl.....842.93	70.46
11 66 13 00-0009	EA	Horizontal Ladder.....2,700.40	140.93
11 66 13 00-0010	EA	Chin Up.....2,065.71	140.93

11 Equipment
11 60 Entertainment and Recreation Equipment
11 66 Athletic Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 66	13 00-0011	EA	Push Up.....	1,251.63	70.46
11 66	13 00-0012	EA	Leg Raise.....	1,754.84	105.70
11 66	13 00-0013	EA	Log Hop.....	786.89	35.23
11 66	13 00-0014	EA	Parallel Bar.....	1,689.93	105.70
11 66	13 00-0015	EA	Leg Stretch.....	727.53	70.46
11 66	13 00-0016	EA	Balance Beam.....	646.63	52.85
11 66	13 00-0017	EA	Log Roll.....	1,993.68	88.08

11 68 Play Field Equipment And Structures (11 60)

11 68 13 Playground Equipment (11 68)

See CSI section 32 31 13 13-0001 for augering holes and fill for posts.

11 68	13 00-0001		Standalone Playground Equipment <small>(11 68 13)</small>		
11 68	13 00-0002		Ground Socket For Movable Posts <small>(11 68 13 00-0001)</small>		
11 68	13 00-0003	PR	Ground Socket For 2-3/8" Post For Playground Equipment.....	197.68	47.56
11 68	13 00-0004	PR	Ground Socket For 3-1/2" Post For Playground Equipment.....	285.99	47.56
11 68	13 00-0005		See-Saws <small>(11 68 13 00-0001)</small>		
11 68	13 00-0006		Steel See-Saw <small>(11 68 13 00-0005)</small>		
11 68	13 00-0007	EA	2 Unit Steel See-Saw.....	1,591.05	292.68
11 68	13 00-0008	EA	4 Unit Steel See-Saw.....	2,488.91	345.88
11 68	13 00-0009	EA	6 Unit Steel See-Saw.....	3,411.90	422.76
11 68	13 00-0010		14' Long Laminated Beam <small>(11 68 13 00-0005)</small>		
11 68	13 00-0011	EA	Beam Is Supported By Two 12 In x 12 In Stepping Column Posts.....	1,609.01	258.80
11 68	13 00-0012	EA	Beam Is Supported By Two 8 In x 8 In Posts.....	1,140.97	230.54
11 68	13 00-0013		Slides <small>(11 68 13 00-0001)</small>		
11 68	13 00-0014	EA	8' Long x 4' High Slide With Stainless Steel Bed.....	1,811.97	334.68
11 68	13 00-0015	EA	12' Long x 6' High Slide With Stainless Steel Bed.....	2,554.48	475.60
11 68	13 00-0016	EA	16' Long x 8' High Slide With Stainless Steel Bed.....	2,830.61	528.44
11 68	13 00-0017	EA	20' Long x 10' High Slide With Stainless Steel Bed.....	3,486.68	585.38
11 68	13 00-0018	EA	6' High, 360 Degree One Piece Molded Polyethylene Slide.....	6,415.26	920.83
11 68	13 00-0019	EA	7' High, 360 Degree Slide, Stainless Steel Bed.....	9,972.14	949.93
11 68	13 00-0020	EA	9' High, 360 Degree Slide, Stainless Steel Bed.....	12,421.97	998.40
11 68	13 00-0021		Whirlers <small>(11 68 13 00-0001)</small>		
11 68	13 00-0022	EA	8' Diameter Whirler.....	4,177.03	634.13
11 68	13 00-0023	EA	10' Diameter Whirler.....	4,867.69	760.95
11 68	13 00-0024		Other Standalone Playground Equipment <small>(11 68 13 00-0001)</small>		
11 68	13 00-0025		Miscellaneous Standalone Playground Equipment <small>(11 68 13 00-0024)</small>		
11 68	13 00-0026	EA	Horizontal Ladder.....	1,292.25	169.47
11 68	13 00-0027	EA	Tether Ball Post.....	225.21	33.11
11 68	13 00-0028	PR	10'-6" Long Multiple Purpose Post.....	349.31	58.55
11 68	13 00-0029	EA	3-Person Fiberglass Golf Tee Shelter Turntable.....	2,662.89	165.43
11 68	13 00-0030	EA	Horizontal Turning Bars, 1 Bar.....	427.17	88.44
11 68	13 00-0031	EA	Horizontal Turning Bars, 2 Bars.....	570.40	105.70
11 68	13 00-0032	EA	Horizontal Turning Bars, 3 Bars.....	768.24	140.93
11 68	13 00-0033	EA	Horizontal Turning Bars, 5 Bars.....	1,117.12	193.78
11 68	13 00-0034	EA	Top Goal Opening With 4 Exit Holes (One Each Side) And 8' Pole.....	1,107.59	80.68
11 68	13 00-0035	EA	Top Goal Opening With 4 Exit Holes (One Each Side) And 10' Pole.....	1,218.58	87.10
11 68	13 00-0036	EA	Coil Spring With Single Riding Aluminum Saddle Devices.....	1,196.51	93.37
11 68	13 00-0037	EA	"C" Spring With Single Riding Aluminum Saddle Devices.....	1,167.37	80.33
11 68	13 00-0038	EA	Rubber Spring With Single Riding Aluminum Saddle Devices.....	1,441.04	105.20
11 68	13 00-0039	EA	Coil Spring Assembly Only.....	312.07	38.68
11 68	13 00-0040	EA	"C" Spring Assembly Only.....	207.41	25.79
11 68	13 00-0041	EA	Rubber Spring Assembly Only.....	217.48	50.31
11 68	13 00-0042	EA	Footbuck Assembly Only.....	53.94	6.77
11 68	13 00-0043	EA	Replacement Animal Only.....	765.53	54.82
11 68	13 00-0044	EA	Two Seat, Two Spring Action Cars (4'-8" x 2'-8").....	1,355.24	96.75
11 68	13 00-0045		Freestanding Panels <small>(11 68 13 00-0024)</small>		
			Note: Rotomolded polyethylene.		
11 68	13 00-0046	EA	Tic-Tac-Toe Panel.....	577.21	41.44
11 68	13 00-0047	EA	24" Bubble Panel.....	864.68	62.08
11 68	13 00-0048	EA	Fire Engine Panel.....	1,268.95	91.11
11 68	13 00-0049	EA	Flat Mirror Panel.....	1,015.17	72.93
11 68	13 00-0050	EA	Wavy Mirror Panel.....	1,502.53	107.95
11 68	13 00-0051	EA	Paint Time Panel.....	974.74	70.04



Equipment	11	
Entertainment and Recreation Equipment	11 60	11
Play Field Equipment And Structures	11 68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0052	EA		Phone Time Panel	691.74	49.68
11 68 13 00-0053	EA		Phone Time With Graphic Panel.....	691.74	49.68
11 68 13 00-0054	EA		Race Time Panel	1,212.80	87.10
11 68 13 00-0055	EA		Rescue 911 Panel	1,230.11	87.10
11 68 13 00-0056	EA		Eastern/Central/Western States Panel	662.55	47.57
11 68 13 00-0057	EA		Career People Panel	752.38	54.04
11 68 13 00-0058	EA		Solar System Panel	752.38	54.04
11 68 13 00-0059	EA		Animals Panel.....	752.38	54.04
11 68 13 00-0060			Freestanding Panels Uprights <small>(11 68 13 00-0024)</small>		
11 68 13 00-0061	EA		3-1/2" Outside Diameter End Panel Upright	184.93	23.25
11 68 13 00-0062	EA		3-1/2" Outside Diameter 90 Degree Upright	200.35	25.16
11 68 13 00-0063	EA		3-1/2" Outside Diameter 180 Degree Upright	200.35	25.16
11 68 13 00-0064	EA		3-1/2" Outside Diameter "T-Shaped" Upright.....	213.19	26.78
11 68 13 00-0065			Coasters <small>(11 68 13 00-0024)</small>		
11 68 13 00-0066	EA		12' Single Metal Coaster With Four Posts	4,443.20	281.86
11 68 13 00-0067	EA		18' Single Metal Coaster With Four Posts	4,989.44	352.33
11 68 13 00-0068	EA		12' Double Metal Coaster With Four Posts	7,168.65	422.79
11 68 13 00-0069	EA		18' Double Metal Coaster With Four Posts	8,179.32	528.50
11 68 13 00-0070			Climbers <small>(11 68 13 00-0024)</small>		
11 68 13 00-0071	EA		Tower Climber, 3.17' Diameter x 7.25' High.....	891.43	188.28
11 68 13 00-0072	EA		Arch Climber, 2' x 12' x 4.5' High	821.62	230.57
11 68 13 00-0073	EA		Arch Climber, 2' x 15' x 5.83' High	883.33	188.28
11 68 13 00-0074	EA		Arch Climber, 2' x 17' x 6.58' High	941.78	230.57
11 68 13 00-0075	EA		Rainbow Climber, 2' x 10'-5" x 4' High	1,001.34	188.07
11 68 13 00-0076	EA		Rainbow Climber, 2' x 10'-5" x 5' High	1,109.52	188.14
11 68 13 00-0077	EA		Rainbow Climber, 2' x 12'-5" x 6' High	1,275.23	188.14
11 68 13 00-0078	EA		Rainbow Climber, 2' x 15'-4" x 7' High	1,383.59	188.07
11 68 13 00-0079	EA		Double Level Arch Climber, 6' Wide x 12'-6" x 6' High Upper Section / 5' High Lower Section	1,665.63	220.21
11 68 13 00-0080	EA		12' Long Horizontal Ladder Climber.....	1,347.89	164.38
11 68 13 00-0081	EA		14' Long Horizontal Ladder Climber.....	1,366.13	164.38
11 68 13 00-0082	EA		16' Long Horizontal Ladder Climber.....	1,486.86	164.38
11 68 13 00-0083	EA		Bell Climber, 7'-5" High With Double Bars	1,430.27	211.40
11 68 13 00-0084	EA		2-Way Climber	1,206.25	169.47
11 68 13 00-0085	EA		4-Way Climber	1,861.64	169.47
11 68 13 00-0086			Swings <small>(11 68 13 00-0001)</small>		
11 68 13 00-0087			Two-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail <small>(11 68 13 00-0086)</small>		
			Note: Legs, 1-7/8" diameter, traditional.		
11 68 13 00-0088	EA		8' High Top Rail, One Section Two Seats.....	1,170.50	258.80
			For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	133.98	
			For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	143.19	
11 68 13 00-0089	EA		8' High Top Rail, Two Sections Four Seats	1,855.71	370.33
			For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	213.47	
			For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	232.26	
11 68 13 00-0090	EA		8' High Top Rail, Three Sections, Six Seats	2,571.54	544.93
			For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	295.48	
			For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	320.23	
11 68 13 00-0091	EA		8' High Top Rail, Four Sections, Eight Seats	3,214.07	634.13
			For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	370.05	
			For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	403.89	
11 68 13 00-0092	EA		10' High Top Rail, One Section Two Seats.....	1,240.34	258.80
			For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	142.71	
			For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	155.41	
11 68 13 00-0093	EA		10' High Top Rail, Two Section Four Seats	1,948.95	394.42
			For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	223.36	
			For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	239.77	
11 68 13 00-0094	EA		10' High Top Rail, Three Sections, Six Seats	2,703.58	612.50
			For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	308.77	
			For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	327.24	
11 68 13 00-0095	EA		10' High Top Rail, Four Sections, Eight Seats	3,564.72	739.82
			For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	408.58	
			For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	438.80	
11 68 13 00-0096			Three-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail <small>(11 68 13 00-0086)</small>		
			Note: Legs, 1-7/8" diameter, traditional.		
11 68 13 00-0097	EA		8' High Top Rail, One Section, Two Seats.....	1,313.05	228.57
			For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	152.70	
			For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	172.64	
11 68 13 00-0098	EA		8' High Top Rail, Two Sections, Four Seats	1,905.71	331.65
			For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	221.63	
			For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	250.59	

11 Equipment**11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment And Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0099	EA		8' High Top Rail, Three Sections, Six Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	2,543.02 295.70 334.14	443.54
11 68 13 00-0100	EA		8' High Top Rail, Four Sections, Eight Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	3,164.68 369.16 421.69	528.44
11 68 13 00-0101	EA		10' High Top Rail, One Section, Two Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	1,480.65 172.20 194.72	257.60
11 68 13 00-0102	EA		10' High Top Rail, One Section Three Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	1,542.09 179.75 204.80	273.17
11 68 13 00-0103	EA		10' High Top Rail, Two Sections, Four Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	2,067.58 240.42 271.67	360.61
11 68 13 00-0104	EA		10' High Top Rail, Two Sections, Six Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	2,468.35 288.74 332.94	415.71
11 68 13 00-0105	EA		10' High Top Rail, Three Section, Six Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	2,752.07 320.02 361.67	479.75
11 68 13 00-0106	EA		10' High Top Rail, Three Sections, Nine Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	3,392.60 397.65 461.58	528.65
11 68 13 00-0107	EA		10' High Top Rail, Four Section, Eight Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	3,503.59 406.24 454.56	634.13
11 68 13 00-0108	EA		12' High Top Rail, One Section Three Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	1,610.05 187.93 215.11	279.79
11 68 13 00-0109	EA		12' High Top Rail, Two Sections, Six Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	2,616.75 305.65 350.71	450.16
11 68 13 00-0110	EA		12' High Top Rail, Three Sections, Nine Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	3,851.93 446.26 497.94	721.01
11 68 13 00-0111			Swing Accessories <small>(11 68 13 00-0096)</small>		
11 68 13 00-0112	EA		Enclosed Tot Seat With Chain And Hardware 361.82	361.82	21.24
11 68 13 00-0113	EA		Bucket Seat With Chain And Hardware 300.79	300.79	17.67
11 68 13 00-0114	EA		Belt Seat With Chain And Hardware 320.40	320.40	18.86
11 68 13 00-0115	EA		Seat With Chain And Hardware 316.04	316.04	18.58
11 68 13 00-0116	EA		Wide Seat With Chain And Hardware 333.60	333.60	19.63
11 68 13 00-0117	EA		Handi Seat With Chain And Hardware 996.07	996.07	58.54
11 68 13 00-0118	LF		0.4 LB/LF Replacement Chain 4.26	4.26	0.42
11 68 13 00-0119	LF		1 LB/LF Replacement Chain 7.92	7.92	0.84
11 68 13 00-0120	EA		Swing Hanger Replacement 46.28	46.28	4.84
11 68 13 00-0121			Modular Playground Stations <small>(11 68 13)</small> Note: Complete as described.		
11 68 13 00-0122			"Miracle" Or Equal <small>(11 68 13 00-0121)</small>		
11 68 13 00-0123	EA		Miracle 714-029 79,102.91	79,102.91	7,328.46
11 68 13 00-0124	EA		Miracle 714-030 31,874.84	31,874.84	2,952.52
11 68 13 00-0125	EA		Miracle 714-031 40,998.04	40,998.04	3,798.12
11 68 13 00-0126	EA		Miracle 714-055 124,841.66	124,841.66	11,535.28
11 68 13 00-0127	EA		Miracle 714-059 57,684.83	57,684.83	5,334.28
11 68 13 00-0128	EA		Miracle 714-038 6,665.01	6,665.01	615.88
11 68 13 00-0129	EA		Miracle 714-053 45,449.91	45,449.91	4,199.77
11 68 13 00-0130	EA		Miracle 714-050 32,146.84	32,146.84	2,973.67
11 68 13 00-0131	EA		Miracle 714-056 113,106.45	113,106.45	10,443.06
11 68 13 00-0132	EA		Miracle 714-020 49,272.74	49,272.74	4,552.10
11 68 13 00-0133	EA		Miracle 714-035 40,186.24	40,186.24	3,706.51
11 68 13 00-0134	EA		Miracle 714-021 54,370.13	54,370.13	5,017.18
11 68 13 00-0135	EA		Miracle 714-034 60,714.14	60,714.14	5,602.04
11 68 13 00-0136	EA		Miracle 714-025 21,705.18	21,705.18	2,001.23
11 68 13 00-0137	EA		Miracle 714-027 28,078.50	28,078.50	2,593.15
11 68 13 00-0138	EA		Miracle 714-057 28,524.34	28,524.34	2,635.43
11 68 13 00-0139	EA		Miracle 714-061 32,930.37	32,930.37	3,044.13
11 68 13 00-0140	EA		Miracle 714-003 37,973.00	37,973.00	3,509.20
11 68 13 00-0141	EA		Miracle 714-002-1 39,715.63	39,715.63	3,671.28
11 68 13 00-0142	EA		Miracle 714-018 31,794.98	31,794.98	2,938.43
11 68 13 00-0143	EA		Miracle 714-019 20,323.86	20,323.86	1,874.40
11 68 13 00-0144	EA		Miracle 714-023 15,255.32	15,255.32	1,409.32
11 68 13 00-0145	EA		Miracle 714-010 34,858.08	34,858.08	3,220.30
11 68 13 00-0146	EA		Miracle 718-008 14,353.96	14,353.96	1,324.76
11 68 13 00-0147	EA		Miracle 718-002 21,317.67	21,317.67	1,973.04
11 68 13 00-0148	EA		Miracle 718-010 13,802.17	13,802.17	1,275.44
11 68 13 00-0149	EA		Miracle 718-005 19,494.41	19,494.41	1,807.45
11 68 13 00-0150	EA		Miracle 718-854 1,690.56	1,690.56	155.03
11 68 13 00-0151	EA		Miracle 1314-2 1,106.81	1,106.81	102.18



Equipment	11	
Entertainment and Recreation Equipment	11 60	11
Play Field Equipment And Structures	11 68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68	13 00-0152	EA	Miracle 718-009.....	5,956.70	550.33
11 68	13 00-0153	EA	Miracle 718-014.....	18,408.30	1,698.23
11 68	13 00-0154	EA	Miracle 718-012.....	10,634.34	979.48
11 68	13 00-0155	EA	Miracle 718-001.....	17,020.73	1,571.39
11 68	13 00-0156	EA	Miracle 718-011.....	9,804.32	901.97
11 68	13 00-0157	EA	Miracle 162-422.....	105,258.36	9,696.12
11 68	13 00-0158	EA	Miracle 162-440.....	44,527.48	4,108.16
11 68	13 00-0159	EA	Miracle 162-438.....	88,129.54	8,131.77
11 68	13 00-0160	EA	Miracle 162-435-1.....	18,201.91	1,677.09
11 68	13 00-0161	EA	Miracle 162-411.....	77,550.14	7,145.25
11 68	13 00-0162	EA	Miracle 162-495.....	20,626.80	1,902.58
11 68	13 00-0163	EA	Miracle 162-436.....	39,370.46	3,621.95
11 68	13 00-0164	EA	Miracle 162-408.....	54,883.87	5,059.45
11 68	13 00-0165	EA	Miracle 137A.....	9,027.87	831.50
11 68	13 00-0166	EA	Miracle 136A.....	6,490.78	598.96
11 68	13 00-0167	EA	Miracle 134RA.....	5,259.90	486.22
11 68	13 00-0168	EA	Miracle 138RA.....	8,446.93	775.13
11 68	13 00-0169	EA	Miracle 121-112A.....	4,039.95	373.47
11 68	13 00-0170	EA	Miracle 105-22A.....	5,637.50	521.45
11 68	13 00-0171	EA	Miracle 132-31A.....	6,060.01	556.68
11 68	13 00-0172	EA	Miracle 132-71A.....	11,562.58	1,064.04
11 68	13 00-0173	EA	Miracle Twin Rider 608-1.....	1,299.12	119.80
11 68	13 00-0174	EA	Miracle Twin Bear Rider 608-2.....	2,637.83	242.41
11 68	13 00-0175	EA	Miracle 4-way Animal Hop 926.....	4,969.42	458.02
11 68	13 00-0176	EA	Miracle Spaceship Columbia 939.....	1,581.64	147.98
11 68	13 00-0177	EA	Miracle Grad Prix 950.....	1,845.71	169.12
11 68	13 00-0178	EA	Miracle Moto-Cross With "C" Spring.....	1,248.96	112.75
11 68	13 00-0179	EA	Miracle Rodeo Rider With "C" Spring 901.....	810.62	73.99
11 68	13 00-0180	EA	Miracle Frog With "C" Spring 932.....	810.62	74.69
11 68	13 00-0181	EA	Miracle Jet Interceptor With "C" Spring 940.....	810.62	74.69
11 68	13 00-0182	EA	Miracle Elephant With "C" Spring 938.....	810.62	74.69
11 68	13 00-0183	EA	Miracle Lion With "C" Spring 917.....	810.62	74.69
11 68	13 00-0184	EA	Miracle Schnozz Womp With "C" Spring 933.....	810.62	74.69
11 68	13 00-0185	EA	Miracle Squirrel With "C" Spring 918.....	810.62	74.69
11 68	13 00-0186	EA	Miracle Seal With "C" Spring 919.....	810.62	74.69
11 68	13 00-0187	EA	Miracle 13' Geodesic Climber 402-2.....	3,805.04	352.33
11 68	13 00-0188	EA	Miracle Parallel Bars 850-285-2.....	594.84	54.96
11 68	13 00-0189	EA	Miracle 4-way Climber 410.....	2,970.33	274.81
11 68	13 00-0190	EA	Miracle Spider Climber 409.....	1,333.44	123.32
11 68	13 00-0191	EA	Miracle Horizontal Ladder 411.....	1,373.16	126.84
11 68	13 00-0192	EA	Miracle Whirl 302.....	3,086.82	281.86
11 68	13 00-0193	EA	Miracle Junior Whirl 300.....	2,373.78	218.44
11 68	13 00-0194	EA	Miracle Pony Express 321.....	6,783.48	627.14
11 68	13 00-0195	EA	Miracle Mustang Whirl 301.....	4,618.26	422.79

11 68 23 Exterior Court Athletic Equipment (11 68)

11 68 23 13 Exterior Basketball Equipment (11 68 23)

11 68 23 13-0001 Basketball Systems (11 68 23 13)

See CSI section 32 31 13 13-0001 for auguring holes and concrete.

11 68 23 13-0002	EA	4-1/2" Bent Post Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Steel Net Basketball System (Sportsplay 541-616).....	1,544.27	197.53
11 68 23 13-0003	EA	5-9/16" Bent Post Galvanized Steel Pole With 6' Extension Style, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00176-230).....	2,824.57	217.28
		<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	<i>-133.00</i>	
		<i>For 42" x 72" Perforated Steel Backboard, Add</i>	<i>350.00</i>	
11 68 23 13-0004	EA	4-1/2" Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00164-230).....	2,034.57	197.53
		<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	<i>-133.00</i>	
		<i>For 42" x 72" Perforated Steel Backboard, Add</i>	<i>350.00</i>	
11 68 23 13-0005	EA	5-9/16" Galvanized Steel Pole With 6' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00166-230).....	2,506.40	217.28
		<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	<i>-133.00</i>	
		<i>For 42" x 72" Perforated Steel Backboard, Add</i>	<i>350.00</i>	
11 68 23 13-0006	EA	Back To Back 4-1/2" Galvanized Steel Pole With 4' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System (Porter Athletic 00184-230).....	3,209.37	290.48
		<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	<i>-498.00</i>	
		<i>For 42" x 72" Perforated Steel Backboard, Add</i>	<i>700.00</i>	
11 68 23 13-0007	EA	Back To Back 5-9/16" Galvanized Steel Pole With 6' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System (Porter Athletic 00186-230).....	4,159.98	319.53
		<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	<i>-498.00</i>	
		<i>For 42" x 72" Perforated Steel Backboard, Add</i>	<i>700.00</i>	

11 68 23 13-0008 Basketball Components (11 68 23 13)

See CSI section 32 31 13 13-0001 for auguring holes and concrete.

11 68 23 13-0009	EA	Anti-Whip, Nylon Cord Basketball Net (Porter Athletic 09608-120).....	26.19	7.05
11 68 23 13-0010	EA	Chain Basketball Net (Porter Athletic 00161-000).....	43.11	7.05
11 68 23 13-0011	EA	Heavy Duty Goal Ring (Porter Athletic 00235-000).....	108.02	35.23
11 68 23 13-0012	EA	Goal Ring For Steel Net (Porter Athletic 00251-H00).....	204.73	15.86

11	11 Equipment
	11 60 Entertainment and Recreation Equipment
	11 68 Play Field Equipment And Structures



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 23 13-0013 EA 42" x 72" Rectangular Fully Tempered Glass Basketball Backboard With Steel Frame (Porter Athletic 00204-000) Note: Includes perimeter and target markings. Excludes pole and goal.	871.57	29.95
11 68 23 13-0014 EA 42" x 72" Rectangular 11 Gauge Perforated Steel Basketball Backboard (Porter Athletic 01207-300) Note: Includes perimeter and target markings. Excludes pole and goal.	929.63	29.95
11 68 23 13-0015 EA 54" x 39" Fan Shaped Cast Aluminum Basketball Backboard (Porter Athletic 00234-300) Note: Includes perimeter and target markings. Excludes pole and goal.	667.12	26.43
11 68 23 13-0016 EA 54" x 39" Fan Shaped Fiberglass Basketball Backboard (Porter Athletic 00267-000) Note: Includes perimeter and target markings. Excludes pole and goal.	504.55	26.43

11 68 23 33 Tennis Equipment (11 68 23)

11 68 23 33-0001 Tennis Court Net Posts (11 68 23 33)

11 68 23 33-0002 PR Round, Powder Coated Steel, Tennis Court Net Posts With External Winder	793.56	119.78
11 68 23 33-0003 PR Round, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	964.26	119.78
11 68 23 33-0004 PR Square, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	992.71	119.78
11 68 23 33-0005 PR Round, Powder Coated Aluminum, Tennis Court Net Posts With External Winder	1,041.91	119.78
11 68 23 33-0006 PR Round, Powder Coated Aluminum, Tennis Court Net Posts With Internal Winder	1,217.09	119.78
11 68 23 33-0007 PR Polyvinyl Chloride (PVC) Ground Sleeves For Tennis Court Net Posts.....	196.40	
11 68 23 33-0008 PR Galvanized Steel Ground Sleeves For Tennis Court Net Posts.....	217.66	

11 68 23 33-0009 Tennis Court Nets (11 68 23 33)

11 68 23 33-0010 EA 42' Length, Single Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net.....	396.75	118.37
11 68 23 33-0011 EA 42' Length, Double Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net	430.70	118.37
11 68 23 33-0012 EA 42' Length, Anti-Vandal, Aluminum Coated Flexible Steel Mesh, Tennis Court Net	899.61	182.14
11 68 23 33-0013 EA Galvanized Steel Anchor For Tennis Court Net Center Strap.....	52.98	

11 68 33 Athletic Field Equipment (11 68)

11 68 33 13 Football Field Equipment (11 68 33)

11 68 33 13-0001 Football Goal Posts (11 68 33 13)

Note: Includes augering for post(s), set in concrete and backfill.

11 68 33 13-0002 PR Double Steel Football Goal Posts, "H Shape".....	3,289.87	317.10
11 68 33 13-0003 PR Vertical Style Goal Post, Single In Ground Mounting, Steel With 20' Uprights.....	4,774.86	476.38
11 68 33 13-0004 PR Gooseneck (Offset) Style Goal Post, Single In Ground Mounting, Steel, With 20' Uprights.....	5,705.17	571.65

11 68 33 23 Soccer And Field Hockey Equipment (11 68 33)

11 68 33 23-0001 Soccer Goal Posts (11 68 33 23)

Note: Includes augering for post(s), set in concrete and backfill.

11 68 33 23-0002 PR Regulation Soccer Goal Posts	2,975.54	211.38
11 68 33 23-0003 PR Combination Football/Soccer Goal Post	3,595.36	317.10

11 68 33 33 Baseball Field Equipment (11 68 33)

11 68 33 33-0001 Bases (11 68 33 33)

11 68 33 33-0002 SET Bases For Baseball Or Softball.....	336.85	
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11 70 Healthcare Equipment (11)

11 73 Patient Care Equipment (11 70)

11 73 23 Patient Lift (11 73)

11 73 23 00-0001 Ceiling Patient Lift (11 73 23)

11 73 23 00-0002 EA Maxi Sky 600 Fixed 4 Function Ceiling Patient Lift..... Note: Maxi Sky 600 cassette with 600 pound weight capacity. Includes 2 point hanger bar, hardware (x-y 3 meter x 4.5 meter 8 anchors xy 4.5), powered raise and lower as well as powered traverse on track. Maxi sky supports clinically activated return to charge, programmable automatic return.	7,704.69	
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11 80 Facility Maintenance and Operation Equipment (11)

11 81 Maintenance Equipment (11 80)

11 81 29 Facility Fall Protection (11 81)

11 81 29 00-0001 Safety And Tie-Back Anchors (11 81 29)

Note: One cut sheet charge required per manufacturer order. Excludes flashing and testing by engineer after installation. See CSI section 01 22 20 00-0051 for engineering testing and inspection.

11 81 29 00-0002 Roof Mounted, Safety And Tie-Back Anchors (11 81 29 00-0001)

Note: Includes up to 10" high, 0.216" thick hollow structural section tube, 1018 steel forged pad eye, 8" x 8" x 1/2" base plate and hot-dipped galvanized finish.



Equipment	11	
Facility Maintenance and Operation Equipment	11 80	11
Maintenance Equipment	11 81	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 81 29 00-0003	EA		Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	499.55	72.38
			Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.		
			For Stainless Steel Pad Eye, Add	40.00	
			For Foam Insulation Filled HSS Tube, Add	10.00	
11 81 29 00-0004	EA		Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	436.70	72.38
			Note: Includes drilling in concrete and adhesive anchor systems.		
			For Stainless Steel Pad Eye, Add	40.00	
			For Foam Insulation Filled HSS Tube, Add	10.00	
11 81 29 00-0005	EA		Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	315.93	67.29
			For Stainless Steel Pad Eye, Add	40.00	
			For Foam Insulation Filled HSS Tube, Add	10.00	
11 81 29 00-0006			Wall Mounted, Safety And Tie-Back Anchor <small>(11 81 29 00-0001)</small>		
			Note: Includes 1018 steel forged pad eye, 10" x 4" x 1/2" base plate and hot-dipped galvanized finish.		
11 81 29 00-0007	EA		Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	355.11	72.38
			Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.		
			For Stainless Steel Pad Eye, Add	40.00	
11 81 29 00-0008	EA		Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	324.51	72.38
			Note: Includes drilling in concrete and adhesive anchor systems.		
			For Stainless Steel Pad Eye, Add	40.00	
11 81 29 00-0009	EA		Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	282.35	67.29
			For Stainless Steel Pad Eye, Add	40.00	
11 81 29 00-0010			Safety And Tie-Back Anchor Accessories <small>(11 81 29 00-0001)</small>		
11 81 29 00-0011	EA		Mandatory Cut Sheets For Safety And Tie-Back Anchors (Summit Anchor).....	244.24	
			Note: One cut sheet required per order.		

11 82 Facility Solid Waste Handling Equipment (11 80)

11 82 19 Packaged Incinerators (11 82)

11 82 19 00-0001 Electric Incinerator (11 82 19)

11 82 19 00-0002	EA	Electric Package Incinerator, 100 LB/Hour.....	24,024.18	847.24
11 82 19 00-0003	EA	Electric Package Incinerator, 400 LB/Hour.....	49,137.48	1,694.47
11 82 19 00-0004	EA	Electric Package Incinerator, 1,000 LB/Hour.....	164,579.90	2,541.71

11 82 26 Facility Waste Compactors (11 82)

11 82 26 00-0001 Waste Compactors (11 82 26)

11 82 26 00-0002 110 Volt Compactors (11 82 26 00-0001)

11 82 26 00-0003	EA	Waste Compactor, 110 Volt At 75 LB/Hour.....	13,085.06	440.78
11 82 26 00-0004	EA	Waste Compactor, 110 Volt At 250 LB/Hour.....	16,626.70	1,057.87

11 82 26 00-0005 230 Volt Compactors (11 82 26 00-0001)

11 82 26 00-0006	EA	Waste Compactor, 230 Volt At 600 LB/Hour Hand Fed.....	16,755.92	1,410.50
11 82 26 00-0007	EA	Waste Compactor, 230 Volt At 600 LB/Hour Chute Fed.....	19,015.25	1,851.27

11 82 26 00-0008 Trash Compactors (11 82 26)

11 82 26 00-0009	EA	Trash Compactor, Small.....	3,716.90	248.90
11 82 26 00-0010	EA	Trash Compactor, Large.....	4,592.58	281.66

END OF SECTION 11

11	11	Equipment
	11 80	Facility Maintenance and Operation Equipment
	11 82	Facility Solid Waste Handling Equipment



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 Furnishings

12 01 Operation And Maintenance Of Furnishings ⁽¹²⁾

12 01 60 Operation And Maintenance Of Multiple Seating ^(12 01)

12 01 60 00-0001 Repair Fixed Auditorium Seating ^(12 01 60)		
12 01 60 00-0002	EA Replace Seat Part.....	119.74
12 01 60 00-0003	EA Replace Center Armrest Part.....	58.31
12 01 60 00-0004	EA Replace End Armrest Part.....	78.40
12 01 60 00-0005	EA Replace Kick Plate Part.....	84.64
12 01 60 00-0006	EA Replace Back Part.....	142.23
12 01 60 00-0007	EA Replace Standard Part.....	112.38
12 01 60 00-0008	EA Replace Back Bracket Part.....	51.99
12 01 60 00-0009	EA Replace Seat Bracket Part.....	53.31
12 01 60 00-0010	EA Secure Seat To Floor.....	49.03
12 01 60 00-0011	EA Removal And Reinstallation Of Existing Auditorium Seat In Concrete Floor	60.98
	Note: Includes drilling and fasteners.	
	For Epoxy Anchoring, Add	16.79
12 01 60 00-0012	EA Reupholster Auditorium Seat And Back.....	155.41
	Note: Includes removal of existing upholstery.	

12 20 Window Treatments ⁽¹²⁾

12 21 Window Blinds ^(12 20)

12 21 13 Horizontal Louver Blinds ^(12 21)

Note: Includes headrail, brackets, cords and all hardware.

12 21 13 13 Metal Horizontal Louver Blinds ^(12 21 13)

12 21 13 13-0001 Aluminum Horizontal Louver Blinds ^(12 21 13 13)		
12 21 13 13-0002	SF 1/2" x 0.006" Slats, Aluminum Horizontal Louver Blinds.....	9.50
12 21 13 13-0003	SF 1" x 0.006" Slats, Aluminum Horizontal Louver Blinds.....	7.79
12 21 13 13-0004	SF 1" x 0.008" Slats, Aluminum Horizontal Louver Blinds.....	8.45
12 21 13 13-0005	SF 2" x 0.008" Slats, Aluminum Horizontal Louver Blinds.....	9.76

12 21 13 33 Plastic Horizontal Louver Blinds ^(12 21 13)

12 21 13 33-0001 Vinyl Horizontal Louver Blinds ^(12 21 13 33)		
12 21 13 33-0002	SF 1" Slats, Vinyl Horizontal Louver Blinds.....	8.05
12 21 13 33-0003	SF 2" Slats, Vinyl Horizontal Louver Blinds.....	9.30

12 21 16 Vertical Louver Blinds ^(12 21)

Note: Includes headrail, brackets, cords and all hardware.

12 21 16 13 Metal Vertical Louver Blinds ^(12 21 16)

12 21 16 13-0001 Aluminum Vertical Louver Blinds ^(12 21 16 13)		
12 21 16 13-0002	SF 3-1/2" x 0.008" Slats, Aluminum Vertical Louver Blinds.....	11.13

12 21 16 33 Plastic Vertical Louver Blinds ^(12 21 16)

12 21 16 33-0001 Vinyl Vertical Louver Blinds ^(12 21 16 33)		
12 21 16 33-0002	SF 2" Slats, Vinyl Vertical Louver Blinds.....	7.24
12 21 16 33-0003	SF 3-1/2" Slats, Vinyl Vertical Louver Blinds.....	10.07

12 22 Curtains And Drapes ^(12 20)

12 22 13 Draperies ^(12 22)

12 22 13 00-0001 Lined Draperies ^(12 22 13)

Note: Width dimensions are the panel width at top excluding returns and overlaps.

12 22 13 00-0002 Up To 48" Wide Lined Draperies ^(12 22 13 00-0001)

12 22 13 00-0003	EA Up To 39" Long, Up To 48" Wide Lined Draperies	160.66	12.07
12 22 13 00-0004	EA >39" To 63" Long, Up To 48" Wide Lined Draperies.....	166.80	12.07
12 22 13 00-0005	EA >63" To 72" Long, Up To 48" Wide Lined Draperies.....	176.77	12.07
12 22 13 00-0006	EA >72" To 81" Long, Up To 48" Wide Lined Draperies.....	180.61	12.07
12 22 13 00-0007	EA >81" To 90" Long, Up To 48" Wide Lined Draperies.....	189.81	12.07
12 22 13 00-0008	EA >90" To 99" Long, Up To 48" Wide Lined Draperies.....	202.09	12.07
12 22 13 00-0009	EA >99" To 108" Long, Up To 48" Wide Lined Draperies.....	209.76	12.07
12 22 13 00-0010	EA >108" To 120" Long, Up To 48" Wide Lined Draperies.....	220.49	12.07
12 22 13 00-0011	EA >120" To 130" Long, Up To 48" Wide Lined Draperies.....	237.37	12.07

12	Furnishings
12 20	Window Treatments
12 22	Curtains And Drapes



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

12 22 13 00-0012	>48" To 72" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0013	EA Up To 39" Long, >48" To 72" Wide Lined Draperies.....	232.25	16.40
12 22 13 00-0014	EA >39" To 63" Long, >48" To 72" Wide Lined Draperies.....	246.06	16.40
12 22 13 00-0015	EA >63" To 72" Long, >48" To 72" Wide Lined Draperies.....	256.80	16.40
12 22 13 00-0016	EA >72" To 81" Long, >48" To 72" Wide Lined Draperies.....	266.01	16.40
12 22 13 00-0017	EA >81" To 90" Long, >48" To 72" Wide Lined Draperies.....	287.48	16.40
12 22 13 00-0018	EA >90" To 99" Long, >48" To 72" Wide Lined Draperies.....	298.22	16.40
12 22 13 00-0019	EA >99" To 108" Long, >48" To 72" Wide Lined Draperies.....	307.43	16.40
12 22 13 00-0020	EA >108" To 120" Long, >48" To 72" Wide Lined Draperies.....	327.37	16.40
12 22 13 00-0021	EA >120" To 130" Long, >48" To 72" Wide Lined Draperies.....	348.85	16.40
12 22 13 00-0022	>72" To 96" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0023	EA Up To 39" Long, >72" To 96" Wide Lined Draperies.....	306.91	20.74
12 22 13 00-0024	EA >39" To 63" Long, >72" To 96" Wide Lined Draperies.....	326.86	20.74
12 22 13 00-0025	EA >63" To 72" Long, >72" To 96" Wide Lined Draperies.....	338.06	20.74
12 22 13 00-0026	EA >72" To 81" Long, >72" To 96" Wide Lined Draperies.....	357.54	20.74
12 22 13 00-0027	EA >81" To 90" Long, >72" To 96" Wide Lined Draperies.....	377.49	20.74
12 22 13 00-0028	EA >90" To 99" Long, >72" To 96" Wide Lined Draperies.....	397.43	20.74
12 22 13 00-0029	EA >99" To 108" Long, >72" To 96" Wide Lined Draperies.....	408.17	20.74
12 22 13 00-0030	EA >108" To 120" Long, >72" To 96" Wide Lined Draperies.....	429.65	20.74
12 22 13 00-0031	EA >120" To 130" Long, >72" To 96" Wide Lined Draperies.....	458.80	20.74
12 22 13 00-0032	>96" To 120" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0033	EA Up To 39" Long, >96" To 120" Wide Lined Draperies.....	386.17	25.09
12 22 13 00-0034	EA >39" To 63" Long, >96" To 120" Wide Lined Draperies.....	406.11	25.09
12 22 13 00-0035	EA >63" To 72" Long, >96" To 120" Wide Lined Draperies.....	416.85	25.09
12 22 13 00-0036	EA >72" To 81" Long, >96" To 120" Wide Lined Draperies.....	447.53	25.09
12 22 13 00-0037	EA >81" To 90" Long, >96" To 120" Wide Lined Draperies.....	467.48	25.09
12 22 13 00-0038	EA >90" To 99" Long, >96" To 120" Wide Lined Draperies.....	488.96	25.09
12 22 13 00-0039	EA >99" To 108" Long, >96" To 120" Wide Lined Draperies.....	748.43	25.09
12 22 13 00-0040	EA >108" To 120" Long, >96" To 120" Wide Lined Draperies.....	541.12	25.09
12 22 13 00-0041	EA >120" To 130" Long, >96" To 120" Wide Lined Draperies.....	556.46	25.09
12 22 13 00-0042	>120" To 144" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0043	EA Up To 39" Long, >120" To 144" Wide Lined Draperies.....	456.21	29.43
12 22 13 00-0044	EA >39" To 63" Long, >120" To 144" Wide Lined Draperies.....	485.36	29.43
12 22 13 00-0045	EA >63" To 72" Long, >120" To 144" Wide Lined Draperies.....	496.10	29.43
12 22 13 00-0046	EA >72" To 81" Long, >120" To 144" Wide Lined Draperies.....	526.79	29.43
12 22 13 00-0047	EA >81" To 90" Long, >120" To 144" Wide Lined Draperies.....	557.47	29.43
12 22 13 00-0048	EA >90" To 99" Long, >120" To 144" Wide Lined Draperies.....	588.15	29.43
12 22 13 00-0049	EA >99" To 108" Long, >120" To 144" Wide Lined Draperies.....	618.84	29.43
12 22 13 00-0050	EA >108" To 120" Long, >120" To 144" Wide Lined Draperies.....	649.52	29.43
12 22 13 00-0051	EA >120" To 130" Long, >120" To 144" Wide Lined Draperies.....	687.88	29.43
12 22 13 00-0052	>144" To 168" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0053	EA Up To 39" Long, >144" To 168" Wide Lined Draperies.....	535.48	33.78
12 22 13 00-0054	EA >39" To 63" Long, >144" To 168" Wide Lined Draperies.....	566.16	33.78
12 22 13 00-0055	EA >63" To 72" Long, >144" To 168" Wide Lined Draperies.....	589.17	33.78
12 22 13 00-0056	EA >72" To 81" Long, >144" To 168" Wide Lined Draperies.....	619.86	33.78
12 22 13 00-0057	EA >81" To 90" Long, >144" To 168" Wide Lined Draperies.....	650.54	33.78
12 22 13 00-0058	EA >90" To 99" Long, >144" To 168" Wide Lined Draperies.....	688.89	33.78
12 22 13 00-0059	EA >99" To 108" Long, >144" To 168" Wide Lined Draperies.....	719.58	33.78
12 22 13 00-0060	EA >108" To 120" Long, >144" To 168" Wide Lined Draperies.....	750.26	33.78
12 22 13 00-0061	EA >120" To 130" Long, >144" To 168" Wide Lined Draperies.....	803.96	33.78
12 22 13 00-0062	>168" To 192" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0063	EA Up To 39" Long, >168" To 192" Wide Lined Draperies.....	605.53	38.12
12 22 13 00-0064	EA >39" To 63" Long, >168" To 192" Wide Lined Draperies.....	643.89	38.12
12 22 13 00-0065	EA >63" To 72" Long, >168" To 192" Wide Lined Draperies.....	666.90	38.12
12 22 13 00-0066	EA >72" To 81" Long, >168" To 192" Wide Lined Draperies.....	705.26	38.12
12 22 13 00-0067	EA >81" To 90" Long, >168" To 192" Wide Lined Draperies.....	735.94	38.12
12 22 13 00-0068	EA >90" To 99" Long, >168" To 192" Wide Lined Draperies.....	774.29	38.12
12 22 13 00-0069	EA >99" To 108" Long, >168" To 192" Wide Lined Draperies.....	835.66	38.12
12 22 13 00-0070	EA >108" To 120" Long, >168" To 192" Wide Lined Draperies.....	858.67	38.12
12 22 13 00-0071	EA >120" To 130" Long, >168" To 192" Wide Lined Draperies.....	912.37	38.12
12 22 13 00-0072	>192" To 216" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0073	EA Up To 39" Long, >192" To 216" Wide Lined Draperies.....	683.25	42.46
12 22 13 00-0074	EA >39" To 63" Long, >192" To 216" Wide Lined Draperies.....	713.94	42.46
12 22 13 00-0075	EA >63" To 72" Long, >192" To 216" Wide Lined Draperies.....	744.62	42.46
12 22 13 00-0076	EA >72" To 81" Long, >192" To 216" Wide Lined Draperies.....	790.64	42.46
12 22 13 00-0077	EA >81" To 90" Long, >192" To 216" Wide Lined Draperies.....	836.67	42.46
12 22 13 00-0078	EA >90" To 99" Long, >192" To 216" Wide Lined Draperies.....	882.70	42.46



Furnishings	12	12
Window Treatments	12 20	
Curtains And Drapes	12 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 22 13 00-0079 EA >99" To 108" Long, >192" To 216" Wide Lined Draperies.....	921.05	42.46
12 22 13 00-0080 EA >108" To 120" Long, >192" To 216" Wide Lined Draperies.....	959.41	42.46
12 22 13 00-0081 EA >120" To 130" Long, >192" To 216" Wide Lined Draperies.....	1,028.44	42.46
12 22 13 00-0082 >216" To 240" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0083 EA Up To 39" Long, >216" To 240" Wide Lined Draperies.....	753.31	46.80
12 22 13 00-0084 EA >39" To 63" Long, >216" To 240" Wide Lined Draperies.....	807.01	46.80
12 22 13 00-0085 EA >63" To 72" Long, >216" To 240" Wide Lined Draperies.....	830.02	46.80
12 22 13 00-0086 EA >72" To 81" Long, >216" To 240" Wide Lined Draperies.....	876.04	46.80
12 22 13 00-0087 EA >81" To 90" Long, >216" To 240" Wide Lined Draperies.....	929.74	46.80
12 22 13 00-0088 EA >90" To 99" Long, >216" To 240" Wide Lined Draperies.....	975.77	46.80
12 22 13 00-0089 EA >99" To 108" Long, >216" To 240" Wide Lined Draperies.....	1,021.79	46.80
12 22 13 00-0090 EA >108" To 120" Long, >216" To 240" Wide Lined Draperies.....	1,067.82	46.80
12 22 13 00-0091 EA >120" To 130" Long, >216" To 240" Wide Lined Draperies.....	1,144.53	46.80
12 22 16 Drapery Track And Accessories (12 22)		
12 22 16 00-0001 Metal Wall Or Ceiling Mount Drapery Tracks (12 22 16)		
12 22 16 00-0002 Basic Traverse Rod (12 22 16 00-0001)		
12 22 16 00-0003 EA Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track.....	102.50	38.07
12 22 16 00-0004 EA Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track.....	116.39	38.07
12 22 16 00-0005 EA Traverse Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track.....	136.72	42.31
12 22 16 00-0006 EA Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track.....	180.11	42.31
12 22 16 00-0007 EA Traverse Rod, 165" To 312" Extension Metal Wall Or Ceiling Mounted Track.....	188.98	46.54
12 22 16 00-0008 Traverse Rod With Stationary Curtain Rod (12 22 16 00-0001)		
12 22 16 00-0009 EA Tray And Curtain Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track.....	115.82	38.07
12 22 16 00-0010 EA Tray And Curtain Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track.....	124.79	38.07
12 22 16 00-0011 EA Tray And Curtain Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track.....	157.85	42.31
12 22 16 00-0012 EA Tray And Curtain Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track.....	180.59	46.54
12 22 16 00-0013 Double Traverse Rod (12 22 16 00-0001)		
12 22 16 00-0014 EA Double Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track.....	138.68	38.07
12 22 16 00-0015 EA Double Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track.....	165.89	38.07
12 22 16 00-0016 EA Double Traverse Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track.....	205.47	42.31
12 22 16 00-0017 EA Double Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track.....	223.14	46.54
12 22 16 00-0018 Curtain Rods (12 22 16 00-0001)		
12 22 16 00-0019 LF Standard Metal Curtain Rod, White.....	7.63	1.74
12 22 16 00-0020 Relocate Drapery And Rod (12 22 16 00-0001)		
12 22 16 00-0021 LF Relocate Any Type Of Drapery And Any Type Rod.....	25.38	
Note: Includes storage and cleaning.		
12 23 Interior Shutters (12 20)		
12 23 00 00-0001 Interior Plantation Shutters (12 23)		
Note: Mixture of white pine and poplar wood, stile: 1-3/4" x 1-1/8" thick, blade: 3/8" x 2-3/8", top and bottom rail: 4" x 1-5/16" thick. 36" To 48" heights do not have center rail, 52" to 80" with center rail. Center rail: 2" x 15/16"		
12 23 00 00-0002 12" Wide (12 23 00 00-0001)		
12 23 00 00-0003 PR 12" x 36" Plantation Shutter.....	107.23	29.15
12 23 00 00-0004 PR 12" x 40" Plantation Shutter.....	117.72	30.61
12 23 00 00-0005 PR 12" x 44" Plantation Shutter.....	127.36	32.06
12 23 00 00-0006 PR 12" x 48" Plantation Shutter.....	136.98	33.52
12 23 00 00-0007 PR 12" x 52" Plantation Shutter.....	146.62	34.98
12 23 00 00-0008 PR 12" x 56" Plantation Shutter.....	156.25	36.44
12 23 00 00-0009 PR 12" x 60" Plantation Shutter.....	158.20	37.89
12 23 00 00-0010 PR 12" x 64" Plantation Shutter.....	175.52	39.35
12 23 00 00-0011 PR 12" x 68" Plantation Shutter.....	185.15	40.81
12 23 00 00-0012 PR 12" x 72" Plantation Shutter.....	194.79	42.27
12 23 00 00-0013 PR 12" x 76" Plantation Shutter.....	204.42	43.73
12 23 00 00-0014 PR 12" x 80" Plantation Shutter.....	214.06	45.18
12 23 00 00-0015 14" Wide (12 23 00 00-0001)		
12 23 00 00-0016 PR 14" x 36" Plantation Shutter.....	110.65	29.15
12 23 00 00-0017 PR 14" x 40" Plantation Shutter.....	121.14	30.61
12 23 00 00-0018 PR 14" x 44" Plantation Shutter.....	130.77	32.06
12 23 00 00-0019 PR 14" x 48" Plantation Shutter.....	140.41	33.52
12 23 00 00-0020 PR 14" x 52" Plantation Shutter.....	150.89	34.98
12 23 00 00-0021 PR 14" x 56" Plantation Shutter.....	160.52	36.44
12 23 00 00-0022 PR 14" x 60" Plantation Shutter.....	170.15	37.89

12	Furnishings
12 20	Window Treatments
12 23	Interior Shutters



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 23 00 00-0023 PR 14" x 64" Plantation Shutter	180.64	39.35
12 23 00 00-0024 PR 14" x 68" Plantation Shutter	190.28	40.81
12 23 00 00-0025 PR 14" x 72" Plantation Shutter	199.92	42.27
12 23 00 00-0026 PR 14" x 76" Plantation Shutter	210.40	43.73
12 23 00 00-0027 PR 14" x 80" Plantation Shutter	220.04	45.18
12 23 00 00-0028 15" Wide (12 23 00 00-0001)		
12 23 00 00-0029 PR 15" x 36" Plantation Shutter	114.07	29.15
12 23 00 00-0030 PR 15" x 40" Plantation Shutter	124.55	30.61
12 23 00 00-0031 PR 15" x 44" Plantation Shutter	134.19	32.06
12 23 00 00-0032 PR 15" x 48" Plantation Shutter	143.83	33.52
12 23 00 00-0033 PR 15" x 52" Plantation Shutter	154.31	34.98
12 23 00 00-0034 PR 15" x 56" Plantation Shutter	164.80	36.44
12 23 00 00-0035 PR 15" x 60" Plantation Shutter	175.28	37.89
12 23 00 00-0036 PR 15" x 64" Plantation Shutter	185.77	39.35
12 23 00 00-0037 PR 15" x 68" Plantation Shutter	196.26	40.81
12 23 00 00-0038 PR 15" x 72" Plantation Shutter	205.90	42.27
12 23 00 00-0039 PR 15" x 76" Plantation Shutter	216.38	43.73
12 23 00 00-0040 PR 15" x 80" Plantation Shutter	226.87	45.18
12 23 00 00-0041 16" Wide (12 23 00 00-0001)		
12 23 00 00-0042 PR 16" x 36" Plantation Shutter	119.20	29.15
12 23 00 00-0043 PR 16" x 40" Plantation Shutter	130.54	30.61
12 23 00 00-0044 PR 16" x 44" Plantation Shutter	141.02	32.06
12 23 00 00-0045 PR 16" x 48" Plantation Shutter	152.37	33.52
12 23 00 00-0046 PR 16" x 52" Plantation Shutter	162.86	34.98
12 23 00 00-0047 PR 16" x 56" Plantation Shutter	173.34	36.44
12 23 00 00-0048 PR 16" x 60" Plantation Shutter	183.83	37.89
12 23 00 00-0049 PR 16" x 64" Plantation Shutter	196.02	39.35
12 23 00 00-0050 PR 16" x 68" Plantation Shutter	206.52	40.81
12 23 00 00-0051 PR 16" x 72" Plantation Shutter	217.01	42.27
12 23 00 00-0052 PR 16" x 76" Plantation Shutter	228.34	43.73
12 23 00 00-0053 PR 16" x 80" Plantation Shutter	238.84	45.18
12 23 00 00-0054 18" Wide (12 23 00 00-0001)		
12 23 00 00-0055 PR 18" x 36" Plantation Shutter	126.89	29.15
12 23 00 00-0056 PR 18" x 40" Plantation Shutter	138.23	30.61
12 23 00 00-0057 PR 18" x 44" Plantation Shutter	149.57	32.06
12 23 00 00-0058 PR 18" x 48" Plantation Shutter	161.77	33.52
12 23 00 00-0059 PR 18" x 52" Plantation Shutter	173.11	34.98
12 23 00 00-0060 PR 18" x 56" Plantation Shutter	185.31	36.44
12 23 00 00-0061 PR 18" x 60" Plantation Shutter	196.65	37.89
12 23 00 00-0062 PR 18" x 64" Plantation Shutter	207.99	39.35
12 23 00 00-0063 PR 18" x 68" Plantation Shutter	219.34	40.81
12 23 00 00-0064 PR 18" x 72" Plantation Shutter	231.54	42.27
12 23 00 00-0065 PR 18" x 76" Plantation Shutter	242.87	43.73
12 23 00 00-0066 PR 18" x 80" Plantation Shutter	255.07	45.18
12 23 00 00-0067 20" Wide (12 23 00 00-0001)		
12 23 00 00-0068 PR 20" x 36" Plantation Shutter	135.43	29.15
12 23 00 00-0069 PR 20" x 40" Plantation Shutter	148.48	30.61
12 23 00 00-0070 PR 20" x 44" Plantation Shutter	160.68	32.06
12 23 00 00-0071 PR 20" x 48" Plantation Shutter	172.88	33.52
12 23 00 00-0072 PR 20" x 52" Plantation Shutter	185.93	34.98
12 23 00 00-0073 PR 20" x 56" Plantation Shutter	198.12	36.44
12 23 00 00-0074 PR 20" x 60" Plantation Shutter	211.17	37.89
12 23 00 00-0075 PR 20" x 64" Plantation Shutter	223.37	39.35
12 23 00 00-0076 PR 20" x 68" Plantation Shutter	236.43	40.81
12 23 00 00-0077 PR 20" x 72" Plantation Shutter	248.63	42.27
12 23 00 00-0078 PR 20" x 76" Plantation Shutter	261.67	43.73
12 23 00 00-0079 PR 20" x 80" Plantation Shutter	273.87	45.18
12 23 00 00-0080 22" Wide (12 23 00 00-0001)		
12 23 00 00-0081 PR 22" x 36" Plantation Shutter	142.27	29.15
12 23 00 00-0082 PR 22" x 40" Plantation Shutter	156.17	30.61
12 23 00 00-0083 PR 22" x 44" Plantation Shutter	169.22	32.06
12 23 00 00-0084 PR 22" x 48" Plantation Shutter	1,464.08	33.52
12 23 00 00-0085 PR 22" x 52" Plantation Shutter	196.18	34.98
12 23 00 00-0086 PR 22" x 56" Plantation Shutter	209.23	36.44
12 23 00 00-0087 PR 22" x 60" Plantation Shutter	222.28	37.89
12 23 00 00-0088 PR 22" x 64" Plantation Shutter	236.19	39.35
12 23 00 00-0089 PR 22" x 68" Plantation Shutter	249.24	40.81
12 23 00 00-0090 PR 22" x 72" Plantation Shutter	263.16	42.27
12 23 00 00-0091 PR 22" x 76" Plantation Shutter	276.20	43.73
12 23 00 00-0092 PR 22" x 80" Plantation Shutter	290.11	45.18



Furnishings	12	12
Window Treatments	12 20	
Interior Shutters	12 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 23 00 00-0093 24" Wide <small>(12 23 00 00-0001)</small>		
12 23 00 00-0094 PR 24" x 36" Plantation Shutter.....	149.11	29.15
12 23 00 00-0095 PR 24" x 40" Plantation Shutter.....	163.86	30.61
12 23 00 00-0096 PR 24" x 44" Plantation Shutter.....	177.77	32.06
12 23 00 00-0097 PR 24" x 48" Plantation Shutter.....	192.53	33.52
12 23 00 00-0098 PR 24" x 52" Plantation Shutter.....	206.44	34.98
12 23 00 00-0099 PR 24" x 56" Plantation Shutter.....	220.34	36.44
12 23 00 00-0100 PR 24" x 60" Plantation Shutter.....	234.25	37.89
12 23 00 00-0101 PR 24" x 64" Plantation Shutter.....	249.00	39.35
12 23 00 00-0102 PR 24" x 68" Plantation Shutter.....	262.92	40.81
12 23 00 00-0103 PR 24" x 72" Plantation Shutter.....	277.68	42.27
12 23 00 00-0104 PR 24" x 76" Plantation Shutter.....	291.58	43.73
12 23 00 00-0105 PR 24" x 80" Plantation Shutter.....	306.35	45.18
12 24 Window Shades <small>(12 20)</small>		
12 24 13 Roller Window Shades <small>(12 24)</small>		
12 24 13 00-0001 Roller Window Shades <small>(12 24 13)</small>		
12 24 13 00-0002 Vinyl Coated Fiberglass, Roller Window Shades <small>(12 24 13 00-0001)</small>		
Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0003 SF 0% Openness, Blackout, Vinyl Coated Fiberglass, Roller Window Shades.....	12.08	0.58
12 24 13 00-0004 SF 1% To 10% Openness, Vinyl Coated Fiberglass, Roller Window Shades.....	12.08	0.58
12 24 13 00-0005 Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades <small>(12 24 13 00-0001)</small>		
Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0006 SF 0% Openness, Blackout, Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades.....	15.43	0.58
12 24 13 00-0007 Vinyl Coated Polyester, Roller Window Shades <small>(12 24 13 00-0001)</small>		
Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0008 SF 1% To 10% Openness, Vinyl Coated Polyester, Roller Window Shades.....	12.08	0.58
12 24 13 00-0009 Motorized Lightproof Shades <small>(12 24 13)</small>		
12 24 13 00-0010 SF Motorized Lightproof Shades, Up To 144" Width.....	34.13	2.12
12 30 Casework <small>(12)</small>		
12 31 Manufactured Metal Casework <small>(12 30)</small>		
12 31 16 Manufactured Metal Sandwich Panel Casework <small>(12 31)</small>		
12 31 16 00-0001 34-1/2" High x 24" Deep, Stainless Steel Cabinets <small>(12 31 16)</small>		
12 31 16 00-0002 18 Gauge, #4 Finish, 304 Stainless Steel Base Cabinets <small>(12 31 16 00-0001)</small>		
12 31 16 00-0003 18" Stainless Steel Base Cabinet <small>(12 31 16 00-0002)</small>		
12 31 16 00-0004 EA 18" Stainless Steel Base Cabinet, No Doors Or Drawers.....	1,152.51	214.62
For 16 Gauge Stainless Steel, Add 155.48		
For >5 To 9, Deduct -37.96		
For >9, Deduct -75.93		
12 31 16 00-0005 EA 18" Stainless Steel Base Cabinet, With 4 Drawers.....	1,766.72	214.62
For 16 Gauge Stainless Steel, Add 287.53		
For >5 To 9, Deduct -70.21		
For >9, Deduct -140.42		
12 31 16 00-0006 EA 18" Stainless Steel Base Cabinet, With 3 Drawers.....	1,650.82	214.62
For 16 Gauge Stainless Steel, Add 262.61		
For >5 To 9, Deduct -64.13		
For >9, Deduct -128.25		
12 31 16 00-0007 EA 18" Stainless Steel Base Cabinet, With 2 Drawers.....	1,534.93	214.62
For 16 Gauge Stainless Steel, Add 237.70		
For >5 To 9, Deduct -58.04		
For >9, Deduct -116.08		
12 31 16 00-0008 EA 18" Stainless Steel Base Cabinet, With Doors And Drawers.....	1,495.60	214.62
For 16 Gauge Stainless Steel, Add 229.24		
For >5 To 9, Deduct -55.98		
For >9, Deduct -111.95		
12 31 16 00-0009 24" Stainless Steel Base Cabinet <small>(12 31 16 00-0002)</small>		
12 31 16 00-0010 EA 24" Stainless Steel Base Cabinet, With Doors And Locks.....	1,604.38	231.96
For 16 Gauge Stainless Steel, Add 245.12		
For >5 To 9, Deduct -59.86		
For >9, Deduct -119.71		

12 Furnishings**12 30 Casework****12 31 Manufactured Metal Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0011	EA		24" Stainless Steel Base Cabinet, With Door, No Locks.....	1,462.97	231.96
			<i>For 16 Gauge Stainless Steel, Add</i>	214.72	
			<i>For >5 To 9, Deduct</i>	-52.43	
			<i>For >9, Deduct</i>	-104.86	
12 31 16 00-0012	EA		24" Stainless Steel Base Cabinet, With Two Doors, No Locks	1,493.93	231.96
			<i>For 16 Gauge Stainless Steel, Add</i>	221.38	
			<i>For >5 To 9, Deduct</i>	-54.06	
			<i>For >9, Deduct</i>	-108.11	
12 31 16 00-0013	EA		24" Stainless Steel Base Cabinet, No Doors, 2 Drawers	1,637.86	231.96
			<i>For 16 Gauge Stainless Steel, Add</i>	252.32	
			<i>For >5 To 9, Deduct</i>	-61.61	
			<i>For >9, Deduct</i>	-123.23	
12 31 16 00-0014	EA		24" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks	2,074.25	231.96
			<i>For 16 Gauge Stainless Steel, Add</i>	346.15	
			<i>For >5 To 9, Deduct</i>	-84.52	
			<i>For >9, Deduct</i>	-169.05	
12 31 16 00-0015	EA		24" Stainless Steel Base Cabinet, With Doors And Drawers, With Locks.....	2,261.27	231.96
			<i>For 16 Gauge Stainless Steel, Add</i>	386.36	
			<i>For >5 To 9, Deduct</i>	-94.34	
			<i>For >9, Deduct</i>	-188.69	
12 31 16 00-0016			30" Stainless Steel Base Cabinet <small>(12 31 16 00-0002)</small>		
12 31 16 00-0017	EA		30" Stainless Steel Base Cabinet, No Doors, No Drawers.....	1,443.58	244.43
			<i>For 16 Gauge Stainless Steel, Add</i>	205.30	
			<i>For >5 To 9, Deduct</i>	-50.13	
			<i>For >9, Deduct</i>	-100.26	
12 31 16 00-0018	EA		30" Stainless Steel Base Cabinet, With 4 Full Size Drawers	2,010.93	244.43
			<i>For 16 Gauge Stainless Steel, Add</i>	327.28	
			<i>For >5 To 9, Deduct</i>	-79.92	
			<i>For >9, Deduct</i>	-159.84	
12 31 16 00-0019	EA		30" Stainless Steel Base Cabinet, With Doors, Drawers And Locks	2,532.68	244.43
			<i>For 16 Gauge Stainless Steel, Add</i>	439.46	
			<i>For >5 To 9, Deduct</i>	-107.31	
			<i>For >9, Deduct</i>	-214.62	
12 31 16 00-0020	EA		30" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks	2,345.65	244.43
			<i>For 16 Gauge Stainless Steel, Add</i>	399.25	
			<i>For >5 To 9, Deduct</i>	-97.49	
			<i>For >9, Deduct</i>	-194.98	
12 31 16 00-0021	EA		30" Stainless Steel Base Cabinet, With Doors And One Full Size Drawer.....	2,229.76	244.43
			<i>For 16 Gauge Stainless Steel, Add</i>	374.33	
			<i>For >5 To 9, Deduct</i>	-91.41	
			<i>For >9, Deduct</i>	-182.81	
12 31 16 00-0022	EA		30" Stainless Steel Base Cabinet, With Doors, No Locks	1,759.48	244.43
			<i>For 16 Gauge Stainless Steel, Add</i>	273.22	
			<i>For >5 To 9, Deduct</i>	-66.72	
			<i>For >9, Deduct</i>	-133.43	
12 31 16 00-0023	EA		30" Stainless Steel Base Cabinet, With Doors And Locks	1,745.25	244.43
			<i>For 16 Gauge Stainless Steel, Add</i>	270.16	
			<i>For >5 To 9, Deduct</i>	-65.97	
			<i>For >9, Deduct</i>	-131.94	
12 31 16 00-0024			36" Stainless Steel Base Cabinet <small>(12 31 16 00-0002)</small>		
12 31 16 00-0025	EA		36" Stainless Steel Base Cabinet, No Doors, No Drawers.....	1,582.54	254.14
			<i>For 16 Gauge Stainless Steel, Add</i>	230.86	
			<i>For >5 To 9, Deduct</i>	-56.37	
			<i>For >9, Deduct</i>	-112.74	
12 31 16 00-0026	EA		36" Stainless Steel Base Cabinet, With Doors And Locks	1,884.63	254.14
			<i>For 16 Gauge Stainless Steel, Add</i>	295.81	
			<i>For >5 To 9, Deduct</i>	-72.23	
			<i>For >9, Deduct</i>	-144.46	
12 31 16 00-0027	EA		36" Stainless Steel Base Cabinet, With Door, No Lock.....	1,773.34	254.14
			<i>For 16 Gauge Stainless Steel, Add</i>	271.88	
			<i>For >5 To 9, Deduct</i>	-66.39	
			<i>For >9, Deduct</i>	-132.78	
12 31 16 00-0028	EA		36" Stainless Steel Base Cabinet, With Doors, Drawers And Lock.....	2,670.38	254.14
			<i>For 16 Gauge Stainless Steel, Add</i>	464.74	
			<i>For >5 To 9, Deduct</i>	-113.48	
			<i>For >9, Deduct</i>	-226.97	
12 31 16 00-0029	EA		36" Stainless Steel Base Cabinet, With Doors, Drawers, No Locks.....	2,483.78	254.14
			<i>For 16 Gauge Stainless Steel, Add</i>	424.63	
			<i>For >5 To 9, Deduct</i>	-103.69	
			<i>For >9, Deduct</i>	-207.38	
12 31 16 00-0030			42" Stainless Steel Base Cabinet <small>(12 31 16 00-0002)</small>		
12 31 16 00-0031	EA		42" Stainless Steel Base Cabinet, No Doors, No Drawers.....	1,663.71	270.09
			<i>For 16 Gauge Stainless Steel, Add</i>	241.55	
			<i>For >5 To 9, Deduct</i>	-58.98	
			<i>For >9, Deduct</i>	-117.97	
12 31 16 00-0032	EA		42" Stainless Steel Base Cabinet, With Doors, Drawers And Lock.....	2,818.07	270.09
			<i>For 16 Gauge Stainless Steel, Add</i>	489.74	
			<i>For >5 To 9, Deduct</i>	-119.59	
			<i>For >9, Deduct</i>	-239.17	



Furnishings	12
Casework	12 30
Manufactured Metal Casework	12 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0033	EA		42" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	2,631.05 449.53 -109.77 -219.54	270.09
12 31 16 00-0034	EA		42" Stainless Steel Base Cabinet, No Doors, 2 Drawers <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	2,437.33 407.88 -99.60 -199.20	270.09
12 31 16 00-0035	EA		42" Stainless Steel Base Cabinet, With Doors, No Lock <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,921.44 296.96 -72.51 -145.03	270.09
12 31 16 00-0036	EA		42" Stainless Steel Base Cabinet, With Doors And Lock <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	2,031.06 320.53 -78.27 -156.54	270.09
12 31 16 00-0037			48" Stainless Steel Base Cabinet (12 31 16 00-0002)		
12 31 16 00-0038	EA		48" Stainless Steel Base Cabinet, With Doors, Drawers And Lock <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	2,949.89 515.49 -125.87 -251.75	276.33
12 31 16 00-0039	EA		48" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	2,763.29 475.37 -116.08 -232.16	276.33
12 31 16 00-0040	EA		48" Stainless Steel Base Cabinet, No Doors, No Drawers <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,795.53 267.30 -65.27 -130.54	276.33
12 31 16 00-0041	EA		48" Stainless Steel Base Cabinet, No Doors, 2 Drawers <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	2,569.57 433.72 -105.91 -211.82	276.33
12 31 16 00-0042	EA		48" Stainless Steel Base Cabinet, With Doors, And Lock <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	2,164.14 346.55 -84.62 -169.25	276.33
12 31 16 00-0043	EA		48" Stainless Steel Base Cabinet, With Doors, No Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	2,134.01 340.07 -83.04 -166.08	276.33
12 31 16 00-0044			60" Stainless Steel Base Cabinet (12 31 16 00-0002)		
12 31 16 00-0045	EA		24" Deep x 60" Wide Stainless Steel Sink Base Cabinet <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	2,120.45 333.52 -81.44 -162.88	284.75
12 31 16 00-0046			18 Gauge, #4 Finish, 304 Stainless Steel Wall Cabinets (12 31 16 00-0001)		
12 31 16 00-0047			12" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)		
12 31 16 00-0048	EA		12"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	826.21 142.50 -34.80 -69.59	81.71
12 31 16 00-0049	EA		12"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	827.19 140.58 -34.33 -68.65	86.66
12 31 16 00-0050			18" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)		
12 31 16 00-0051	EA		18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	867.90 148.80 -36.33 -72.67	87.85
12 31 16 00-0052	EA		18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	822.29 138.99 -33.94 -67.88	87.85
12 31 16 00-0053	EA		18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	958.65 165.00 -40.29 -80.58	95.57
12 31 16 00-0054	EA		18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	930.62 158.98 -38.82 -77.64	95.57

12 Furnishings**12 30 Casework****12 31 Manufactured Metal Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0055			24" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)		
	EA		24"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Door.....	739.70	97.26
			For 16 Gauge Stainless Steel, Add	117.23	
			For >5 To 9, Deduct	-28.63	
			For >9, Deduct	-57.25	
	EA		24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	978.19	97.26
			For 16 Gauge Stainless Steel, Add	168.50	
			For >5 To 9, Deduct	-41.15	
			For >9, Deduct	-82.29	
	EA		24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	933.00	97.26
			For 16 Gauge Stainless Steel, Add	158.79	
			For >5 To 9, Deduct	-38.77	
			For >9, Deduct	-77.55	
	EA		24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	920.42	90.82
			For 16 Gauge Stainless Steel, Add	158.79	
			For >5 To 9, Deduct	-38.78	
			For >9, Deduct	-77.55	
	EA		24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	872.31	90.82
			For 16 Gauge Stainless Steel, Add	148.45	
			For >5 To 9, Deduct	-36.25	
			For >9, Deduct	-72.50	
	EA		24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Glass Door, No Lock.....	1,097.83	90.82
			For 16 Gauge Stainless Steel, Add	196.94	
			For >5 To 9, Deduct	-48.09	
			For >9, Deduct	-96.18	
	EA		24"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors.....	679.01	90.82
			For 16 Gauge Stainless Steel, Add	106.89	
			For >5 To 9, Deduct	-26.10	
			For >9, Deduct	-52.20	
	EA		24"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors.....	640.16	86.66
			For 16 Gauge Stainless Steel, Add	100.36	
			For >5 To 9, Deduct	-24.51	
			For >9, Deduct	-49.02	
12 31 16 00-0064			30" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)		
	EA		30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,251.51	103.30
			For 16 Gauge Stainless Steel, Add	224.65	
			For >5 To 9, Deduct	-54.86	
			For >9, Deduct	-109.71	
	EA		30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,141.89	103.30
			For 16 Gauge Stainless Steel, Add	201.08	
			For >5 To 9, Deduct	-49.10	
			For >9, Deduct	-98.20	
	EA		30"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors.....	793.36	103.30
			For 16 Gauge Stainless Steel, Add	126.15	
			For >5 To 9, Deduct	-30.80	
			For >9, Deduct	-61.61	
	EA		30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,188.05	95.08
			For 16 Gauge Stainless Steel, Add	214.53	
			For >5 To 9, Deduct	-52.39	
			For >9, Deduct	-104.77	
	EA		30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Lock.....	1,078.43	95.08
			For 16 Gauge Stainless Steel, Add	190.97	
			For >5 To 9, Deduct	-46.63	
			For >9, Deduct	-93.26	
	EA		30"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors.....	729.91	95.08
			For 16 Gauge Stainless Steel, Add	116.03	
			For >5 To 9, Deduct	-28.33	
			For >9, Deduct	-56.67	
	EA		30"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors.....	690.66	90.62
			For 16 Gauge Stainless Steel, Add	109.54	
			For >5 To 9, Deduct	-26.75	
			For >9, Deduct	-53.50	
12 31 16 00-0072			36" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)		
	EA		36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,300.61	106.27
			For 16 Gauge Stainless Steel, Add	233.94	
			For >5 To 9, Deduct	-57.12	
			For >9, Deduct	-114.25	
	EA		36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,188.48	106.27
			For 16 Gauge Stainless Steel, Add	209.83	
			For >5 To 9, Deduct	-51.24	
			For >9, Deduct	-102.47	
	EA		36"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors.....	842.46	106.27
			For 16 Gauge Stainless Steel, Add	135.43	
			For >5 To 9, Deduct	-33.07	
			For >9, Deduct	-66.14	
	EA		36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,235.92	97.26
			For 16 Gauge Stainless Steel, Add	223.91	
			For >5 To 9, Deduct	-54.68	
			For >9, Deduct	-109.35	



Furnishings	12
Casework	12 30
Manufactured Metal Casework	12 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0077	EA		36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,126.72	97.26
			<i>For 16 Gauge Stainless Steel, Add</i>	200.44	
			<i>For >5 To 9, Deduct</i>	-48.94	
			<i>For >9, Deduct</i>	-97.89	
12 31 16 00-0078	EA		36"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors.....	777.78	97.26
			<i>For 16 Gauge Stainless Steel, Add</i>	125.41	
			<i>For >5 To 9, Deduct</i>	-30.62	
			<i>For >9, Deduct</i>	-61.25	
12 31 16 00-0079	EA		36"W x 12"D x 18"H Stainless Steel Wall Cabinet, With Doors, No Locks	739.23	92.61
			<i>For 16 Gauge Stainless Steel, Add</i>	119.11	
			<i>For >5 To 9, Deduct</i>	-29.08	
			<i>For >9, Deduct</i>	-58.17	
12 31 16 00-0080			42" Wide Stainless Steel Wall Cabinets <small>(12 31 16 00-0046)</small>		
12 31 16 00-0081	EA		42"W x 12"D x 42"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,379.91	133.71
			<i>For 16 Gauge Stainless Steel, Add</i>	239.23	
			<i>For >5 To 9, Deduct</i>	-58.42	
			<i>For >9, Deduct</i>	-116.83	
12 31 16 00-0082	EA		42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,376.50	126.18
			<i>For 16 Gauge Stainless Steel, Add</i>	241.72	
			<i>For >5 To 9, Deduct</i>	-59.02	
			<i>For >9, Deduct</i>	-118.05	
12 31 16 00-0083	EA		42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,265.21	126.18
			<i>For 16 Gauge Stainless Steel, Add</i>	217.79	
			<i>For >5 To 9, Deduct</i>	-53.18	
			<i>For >9, Deduct</i>	-106.36	
12 31 16 00-0084	EA		42"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors.....	917.52	126.18
			<i>For 16 Gauge Stainless Steel, Add</i>	143.04	
			<i>For >5 To 9, Deduct</i>	-34.93	
			<i>For >9, Deduct</i>	-69.86	
12 31 16 00-0085	EA		42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,288.03	105.98
			<i>For 16 Gauge Stainless Steel, Add</i>	231.36	
			<i>For >5 To 9, Deduct</i>	-56.50	
			<i>For >9, Deduct</i>	-112.99	
12 31 16 00-0086	EA		42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,177.57	105.98
			<i>For 16 Gauge Stainless Steel, Add</i>	207.61	
			<i>For >5 To 9, Deduct</i>	-50.70	
			<i>For >9, Deduct</i>	-101.39	
12 31 16 00-0087	EA		42"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors.....	829.88	105.98
			<i>For 16 Gauge Stainless Steel, Add</i>	132.86	
			<i>For >5 To 9, Deduct</i>	-32.44	
			<i>For >9, Deduct</i>	-64.88	
12 31 16 00-0088			48" Wide Stainless Steel Wall Cabinets <small>(12 31 16 00-0046)</small>		
12 31 16 00-0089	EA		48"W x 12"D x 42"H Stainless Steel Wall Cabinet, No Doors, No Locks.....	1,228.63	133.71
			<i>For 16 Gauge Stainless Steel, Add</i>	205.55	
			<i>For >5 To 9, Deduct</i>	-50.19	
			<i>For >9, Deduct</i>	-100.38	
12 31 16 00-0090	EA		48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,424.60	128.96
			<i>For 16 Gauge Stainless Steel, Add</i>	250.83	
			<i>For >5 To 9, Deduct</i>	-61.25	
			<i>For >9, Deduct</i>	-122.50	
12 31 16 00-0091	EA		48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,314.98	128.96
			<i>For 16 Gauge Stainless Steel, Add</i>	227.27	
			<i>For >5 To 9, Deduct</i>	-55.50	
			<i>For >9, Deduct</i>	-110.99	
12 31 16 00-0092	EA		48"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors.....	966.45	128.96
			<i>For 16 Gauge Stainless Steel, Add</i>	152.33	
			<i>For >5 To 9, Deduct</i>	-37.20	
			<i>For >9, Deduct</i>	-74.39	
12 31 16 00-0093	EA		48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,334.37	106.96
			<i>For 16 Gauge Stainless Steel, Add</i>	240.86	
			<i>For >5 To 9, Deduct</i>	-58.82	
			<i>For >9, Deduct</i>	-117.63	
12 31 16 00-0094	EA		48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,225.16	106.96
			<i>For 16 Gauge Stainless Steel, Add</i>	217.38	
			<i>For >5 To 9, Deduct</i>	-53.08	
			<i>For >9, Deduct</i>	-106.16	
12 31 16 00-0095	EA		48"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors.....	876.22	106.96
			<i>For 16 Gauge Stainless Steel, Add</i>	142.36	
			<i>For >5 To 9, Deduct</i>	-34.76	
			<i>For >9, Deduct</i>	-69.53	
12 31 16 00-0096			Accessories <small>(12 31 16 00-0001)</small>		
12 31 16 00-0097			Stainless Steel Countertops <small>(12 31 16 00-0096)</small>		
			Note: Includes all finishes, finished ends and all edge types such as straight, bullnose, eased, marine, etc. Excludes sinks.		
12 31 16 00-0098	SF		16 Gauge Stainless Steel Countertop With Backsplash	81.13	5.44
			<i>For 14 Gauge Stainless Steel, Add</i>	15.52	
12 31 16 00-0099	SF		16 Gauge Stainless Steel Countertop Without Backsplash	74.56	5.44
			<i>For 14 Gauge Stainless Steel, Add</i>	14.07	

12 Furnishings
12 30 Casework
12 31 Manufactured Metal Casework



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 31 16 00-0100 EA Cutout For Sink And/Or Faucet In Stainless Steel Countertop144.70

12 31 16 00-0101 Stainless Steel Wall Panels (12 31 16 00-0096)

12 31 16 00-0102 SF 20 Gauge Stainless Steel Wall Panel25.62 8.12
 For 18 Gauge Stainless Steel, Add 2.56
 For 16 Gauge Stainless Steel, Add 4.92

12 31 16 00-0103 Pedestal Legs (12 31 16 00-0096)

12 31 16 00-0104 EA Type #304 Stainless Steel Pedestal Leg175.95 12.38

12 31 16 00-0105 Stainless Steel Slanted Cabinet Top Enclosure (12 31 16 00-0096)

12 31 16 00-0106 EA Stainless Steel Slanted Cabinet Top Enclosure, 5' Sections201.50 24.12

12 35 Specialty Casework (12 30)

12 35 70 Healthcare Casework (12 35)

12 35 70 13 Hospital Casework (12 35 70)

12 35 70 13-0001 Modular Casework (12 35 70 13)

Note: Midmark.

12 35 70 13-0002	EA	36" High Base Sink Unit, 2 Doors; Midmark MC-SBS005-243624.....	531.30	71.68
12 35 70 13-0003	EA	36" High Base Sink Unit, 2 Doors; Midmark MC-SBS005-363624.....	659.22	89.59
12 35 70 13-0004	EA	36" High Base Sink Unit, 2 Doors With Tap Master Valve; Midmark MC-SBS009-243624.....	908.04	71.68
12 35 70 13-0005	EA	36" High Base Sink Unit, 2 Doors With Tap Master Valve; Midmark MC-SBS009-363624.....	1,045.00	89.59
12 35 70 13-0006	EA	36" High Base Storage Unit, 1 Door; Midmark MC-SBP006-243624.....	598.36	71.68
12 35 70 13-0007	EA	36" High Base Storage Unit, 2 Doors; Midmark MC-SBP007-363624.....	802.38	89.59
12 35 70 13-0008	EA	36" High Base Storage Unit, 1 4" Drawer, 1 Door; Midmark MC-SBP012-153624.....	600.62	71.68
12 35 70 13-0009	EA	36" High Base Storage Unit, 1 4" Drawer, 1 Door; Midmark MC-SBP012-183624.....	645.08	71.68
12 35 70 13-0010	EA	36" High Base Storage Unit, 1 4" Drawer, 1 Door; Midmark MC-SBP012-213624.....	683.51	71.68
12 35 70 13-0011	EA	36" High Base Storage Unit, 1 4" Drawer, 2 Doors; Midmark MC-SBP013-303624.....	854.37	89.59
12 35 70 13-0012	EA	36" High Base Storage Unit, 1 4" Drawer, 2 Doors; Midmark MC-SBP013-363624.....	867.18	89.59
12 35 70 13-0013	EA	36" High Base Storage Unit, 2 4" Drawer, 2 Doors; Midmark MC-SBP020-243624.....	798.79	71.68
12 35 70 13-0014	EA	36" High Base Storage Unit, 2 4" Drawer, 2 Doors; Midmark MC-SBP020-303624.....	929.72	89.59
12 35 70 13-0015	EA	36" High Base Storage Unit, 2 4" Drawer, 2 Doors; Midmark MC-SBP020-363624.....	957.60	89.59
12 35 70 13-0016	EA	36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers; Midmark MC-SBP024-123624.....	701.59	71.68
12 35 70 13-0017	EA	36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers; Midmark MC-SBP024-153624.....	721.18	71.68
12 35 70 13-0018	EA	36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers; Midmark MC-SBP024-183624.....	771.66	71.68
12 35 70 13-0019	EA	36" High Base Storage Unit, 2 4" Drawer, 2 8" Drawers; Midmark MC-SBP025-303624.....	1,277.07	89.59
12 35 70 13-0020	EA	36" High Base Storage Unit, 2 4" Drawer, 2 8" Drawers; Midmark MC-SBP025-363624.....	1,347.90	89.59
12 35 70 13-0021	EA	36" High Base Storage Unit, 5 4" Drawer; Midmark MC-SBP032-153624.....	899.00	71.68
12 35 70 13-0022	EA	36" High Base Storage Unit, 5 4" Drawer; Midmark MC-SBP032-183624.....	950.99	71.68
12 35 70 13-0023	EA	36" High Base Storage Unit, 5 4" Drawer; Midmark MC-SBP032-213624.....	1,040.66	71.68
12 35 70 13-0024	EA	84" High Tall Storage Unit, 2 Doors; Midmark MC-STP032-368424.....	1,848.56	215.02
12 35 70 13-0025	EA	84" High Tall Storage Unit, Open Upper With Pull Out Shelf, 1 4" Drawer, 2 Doors; Midmark MC-STP081-248424.....	1,703.14	215.02
12 35 70 13-0026	EA	Desk Filler Panel; Midmark MC-SDA003-060501.....	72.16	17.91
12 35 70 13-0027	EA	30" High Overhead Unit, 1 Door; Midmark MC-SOHO41-123014.....	392.66	71.68
12 35 70 13-0028	EA	30" High Overhead Unit, 1 Door; Midmark MC-SOHO41-153014.....	385.88	71.68
12 35 70 13-0029	EA	30" High Overhead Unit, 1 Door; Midmark MC-SOHO41-183014.....	409.99	71.68
12 35 70 13-0030	EA	30" High Overhead Unit, 1 Door; Midmark MC-SOHO41-213014.....	442.39	71.68
12 35 70 13-0031	EA	30" High Overhead Unit, 2 Doors; Midmark MC-SOHO42-243014.....	479.31	71.68
12 35 70 13-0032	EA	30" High Overhead Unit, 2 Doors; Midmark MC-SOHO42-303014.....	550.72	89.59
12 35 70 13-0033	EA	30" High Overhead Unit, 2 Doors; Midmark MC-SOHO42-363014.....	595.18	89.59
12 35 70 13-0034	EA	30" High Overhead Unit, 2 Window Doors; Midmark MC-SOHO44-303014.....	724.77	89.59
12 35 70 13-0035	EA	30" High Overhead Unit, 2 Window Doors; Midmark MC-SOHO44-363014.....	803.14	89.59
12 35 70 13-0036	LF	19" Self Edge Laminate Countertop With Backsplash.....	101.13	14.48
12 35 70 13-0037	LF	25" Self Edge Laminate Countertop With Backsplash.....	195.10	19.29
12 35 70 13-0038	SF	Melamine Wall Cabinet Inner Soffit.....	29.94	12.07

Note: Includes blocking

12 36 Countertops (12 30)

12 36 23 Plastic Countertops (12 36)

12 36 23 13 Plastic-Laminate-Clad Countertops (12 36 23)

12 36 23 13-0001 Plastic Laminate Countertops (12 36 23 13)

Note: Includes plywood, MDF, or particleboard substrates, finished ends, and all edge types such as bullnose, ogee, roundover, bevel, etc.

12 36 23 13-0002	SF	Plastic Laminate Countertop Without Backsplash.....	15.40	9.65
12 36 23 13-0003	SF	Plastic Laminate Countertop With 4" Backsplash.....	20.42	9.65
12 36 23 13-0004	LF	Plastic Laminate End Splash For Plastic Laminate Countertops.....	15.87	2.90
12 36 23 13-0005	EA	Cutout For Sink And/Or Faucet In Plastic Laminate Countertop.....	80.39	

12 36 61 Simulated Stone Countertops (12 36)



Furnishings	12
Casework	12 30
Countertops	12 36

12

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 36 61 16 Solid Surfacing Countertops (12 36 61)

12 36 61 16-0001			Solid Surface Countertops (12 36 61 16)		
12 36 61 16-0002			Solid Surface Countertops (12 36 61 16-0001)		
			Note: Includes finished ends and all edge types such as bullnose, ogee, roundover, bevel, etc.		
12 36 61 16-0003	SF		1/4" Thick, Color Group "B", Solid Surface Backsplash.....	32.08	6.43
			Note: Quantity based on area of backsplash. Excludes backing material such as cement or water resistant gypsum board.		
			For Up To 50, Add	10.41	
			For >50 To 100, Add	6.10	
			For Group A Color Material, Deduct	-4.71	
			For Group C Color Material, Add	3.14	
			For Group D Color Material, Add	11.77	
12 36 61 16-0004	SF		1/2" Thick, Color Group "B", Solid Surface Countertop Without Backsplash	52.63	9.65
			Note: Quantity based on area of counter, backsplash and apron. Includes drilling holes for fixtures and 1-1/2" drop edge with 1/8" radius edges (when apron not used).		
			For Up To 50, Add	16.78	
			For >50 To 100, Add	10.13	
			For Group A Color Material, Deduct	-5.95	
			For Group C Color Material, Add	3.97	
			For Group D Color Material, Add	14.87	
			For Integral 16-7/16" x 13" x 5-1/4" Depth Lavatory Sink (Corian 810), Add	138.02	
			For Integral 20-7/16" x 14-7/16" x 6-1/8" Depth Lavatory Sink (Corian 815), Add	174.51	
			For Integral 17-3/8" x 10-13/16" x 5-1/2" Depth Lavatory Sink (Corian 816), Add	127.40	
			For Integral 14-3/4" x 10-1/2" x 5-1/2" Depth Lavatory Sink (Corian 820), Add	121.43	
			For Integral 18-7/8" x 13-3/4" x 5-7/8" Depth Lavatory Sink (Corian 830), Add	174.51	
			For Integral 20" x 13-3/8" x 6-1/4" Depth Lavatory Sink (Corian 831), Add	174.51	
			For Integral 19-3/4" x 14-1/4" x 5-7/8" Depth Lavatory Sink (Corian 835), Add	174.51	
			For Integral 17" x 14" x 6" Depth Lavatory Sink (Corian 837), Add	174.51	
			For Up To 1.5 SF Integral Single Basin Kitchen Sink, Add	157.26	
			Note: Single or double bowl.		
			For >1.5 To 2.25 SF Integral Single Basin Kitchen Sink, Add	273.38	
			Note: Single or double bowl.		
			For >2.25 To 3 SF Integral Single Basin Kitchen Sink, Add	366.27	
			Note: Single or double bowl.		
			For >3 SF Integral Single Basin Kitchen Sink, Add	396.80	
			Note: Single or double bowl.		
			For >3 SF Integral Double Basin Kitchen Sink, Add	396.80	
12 36 61 16-0005	SF		1/2" Thick, Color Group "B", Solid Surface Countertop With 4" Backsplash	58.42	9.65
			For Up To 50, Add	18.52	
			For >50 To 100, Add	11.29	
			For Group A Color Material, Deduct	-5.95	
			For Group C Color Material, Add	3.97	
			For Group D Color Material, Add	14.87	
			For Integral 16-7/16" x 13" x 5-1/4" Depth Lavatory Sink (Corian 810), Add	138.02	
			For Integral 20-7/16" x 14-7/16" x 6-1/8" Depth Lavatory Sink (Corian 815), Add	174.51	
			For Integral 17-3/8" x 10-13/16" x 5-1/2" Depth Lavatory Sink (Corian 816), Add	127.40	
			For Integral 14-3/4" x 10-1/2" x 5-1/2" Depth Lavatory Sink (Corian 820), Add	121.43	
			For Integral 18-7/8" x 13-3/4" x 5-7/8" Depth Lavatory Sink (Corian 830), Add	174.51	
			For Integral 20" x 13-3/8" x 6-1/4" Depth Lavatory Sink (Corian 831), Add	174.51	
			For Integral 19-3/4" x 14-1/4" x 5-7/8" Depth Lavatory Sink (Corian 835), Add	174.51	
			For Integral 17" x 14" x 6" Depth Lavatory Sink (Corian 837), Add	174.51	
			For Up To 1.5 SF Integral Single Basin Kitchen Sink, Add	157.26	
			Note: Single or double bowl.		
			For >1.5 To 2.25 SF Integral Single Basin Kitchen Sink, Add	273.38	
			Note: Single or double bowl.		
			For >2.25 To 3 SF Integral Single Basin Kitchen Sink, Add	366.27	
			Note: Single or double bowl.		
			For >3 SF Integral Single Basin Kitchen Sink, Add	396.80	
			Note: Single or double bowl.		
			For >3 SF Integral Double Basin Kitchen Sink, Add	396.80	
12 36 61 16-0006	LF		1/2" Thick, Color Group "B", Solid Surface End Splash For Solid Surface Countertops	18.11	4.10
			For Group A Color Material, Deduct	-2.97	
			For Group C Color Material, Add	1.98	
			For Group D Color Material, Add	7.43	
12 36 61 16-0007	EA		Cutout For Sink And/Or Faucet In Solid Surface Countertop.....	144.70	

12 36 61 19 Quartz Agglomerate Countertops (12 36 61)

12 36 61 19-0001			Quartz Agglomerate Countertops (12 36 61 19)		
			Note: Includes finished ends and all edge types such as bullnose, ogee, roundover, bevel, etc.		
12 36 61 19-0002	SF		3/4" Thick, Quartz Agglomerate Countertop Without Backsplash.....	77.40	21.22
12 36 61 19-0003	SF		1-1/4" Thick, Quartz Agglomerate Countertop Without Backsplash.....	91.19	21.22
12 36 61 19-0004	SF		3/4" Thick, Quartz Agglomerate Countertop With Backsplash.....	87.07	24.71
12 36 61 19-0005	SF		1-1/4" Thick, Quartz Agglomerate Countertop With Backsplash.....	100.85	24.71
12 36 61 19-0006	LF		Quartz Agglomerate Countertop End Splash For Quartz Agglomerate Countertops.....	14.12	4.10
12 36 61 19-0007	EA		Cutout For Sink And/Or Faucet In Quartz Agglomerate Countertop.....	144.70	

12 40 Furnishings And Accessories (12)

12 48 Rugs And Mats (12 40)

12 48 13 Entrance Floor Mats And Frames (12 48)



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

12 48 13 13 Entrance Floor Mats (12 48 13)

12 48 13 13-0001 Floor Mats (12 48 13 13)

12 48 13 13-0002	SF	3/8" Thick Solid Recessable Floor Mat	12.68	2.12
		<i>For Colors, Add</i>	1.69	
12 48 13 13-0003	SF	1/2" Thick Solid Recessable Floor Mat	15.28	2.12
		<i>For Colors, Add</i>	2.21	
12 48 13 13-0004	SF	3/8" Thick Perforated Recessable Floor Mat	13.33	2.12
		<i>For Colors, Add</i>	1.82	
12 48 13 13-0005	SF	1/2" Thick Perforated Recessable Floor Mat	15.93	2.12
		<i>For Colors, Add</i>	2.34	

12 48 13 13-0006 Link Mats (12 48 13 13)

Note: Includes nosing.

12 48 13 13-0007	SF	3/8" Link Mats, Aluminum	25.82	2.12
12 48 13 13-0008	SF	Black Rubber Link Mats With Galvanized Tie Rods	13.17	2.12
12 48 13 13-0009	SF	3/8" Thick, Galvanized Steel Link Mats	13.49	2.12
12 48 13 13-0010	SF	Vinyl Link Mats, Color	14.13	2.12
12 48 13 13-0011	LF	Rubber Nosing	4.14	0.93

12 48 13 13-0012 Duckboard (12 48 13 13)

12 48 13 13-0013	SF	Aluminum Slats	37.05	2.51
12 48 13 13-0014	SF	Hardwood Strips On Rubber Base	13.64	2.51
12 48 13 13-0015	SF	Assembled With Brass Rods And Vinyl Spacers	14.91	2.51
12 48 13 13-0016	SF	Tire Fabric, 3/4" Thick	14.63	2.51
12 48 13 13-0017	SF	Vinyl, 36" Wide, Hollow Top And Bottom	7.60	2.51
12 48 13 13-0018	SF	Vinyl, 36" Wide, Solid Top And Bottom	9.65	2.51

12 48 13 16 Entrance Floor Mat Frames (12 48 13)

12 48 13 16-0001 Recessed Frames (12 48 13 16)

12 48 13 16-0002	LF	Aluminum Recessed Embedded Frame	17.89	3.86
12 48 13 16-0003	LF	Bronze Recessed Embedded Frame	15.33	3.86

12 50 Furniture (12)

12 55 Detention Furniture (12 50)

12 55 13 Detention Bunks (12 55)

12 55 13 00-0001 Wall Mounted Single Bunks (12 55 13)

Note: 14 Gauge center pan, 7 gauge bracket, painted.

12 55 13 00-0002	EA	27" Wide x 80" Long x 12" High Wall Mounted Bunk	280.88	68.82
12 55 13 00-0003	EA	32" Wide x 80" Long x 12" High Wall Mounted Bunk	311.02	68.82
12 55 13 00-0004	EA	38" Wide x 80" Long x 12" High Wall Mounted Bunk	332.12	68.82

12 55 13 00-0005 Floor Supported Single Bunks (12 55 13)

Note: 14 Gauge center pan, 10 gauge steel brackets, 10 gauge formed steel legs, painted.

12 55 13 00-0006	EA	27" Wide x 80" Long x 12" High Floor Mounted Bunk	280.88	68.82
12 55 13 00-0007	EA	32" Wide x 80" Long x 12" High Floor Mounted Bunk	311.02	68.82
12 55 13 00-0008	EA	38" Wide x 80" Long x 12" High Floor Mounted Bunk	332.12	68.82
12 55 13 00-0009	EA	Up To 20, Floor Mounted Single Bunk, 75" x 27" x 16" High	601.73	93.61
12 55 13 00-0010	EA	>20, Floor Mounted Single Bunk, 75" x 27" x 16" High	518.83	93.61

12 55 13 00-0011 Floor Mounted Single Bunks (12 55 13)

Note: 14 Gauge center pan, 10 gauge formed steel legs, painted.

12 55 13 00-0012	EA	27" Wide x 80" Long x 16" High Floor Mounted Bunk	280.88	68.82
12 55 13 00-0013	EA	32" Wide x 80" Long x 16" High Floor Mounted Bunk	311.02	68.82
12 55 13 00-0014	EA	38" Wide x 80" Long x 16" High Floor Mounted Bunk	332.12	68.82

12 55 13 00-0015 Single Stackable Bunks (12 55 13)

Note: One piece, 10 gauge formed pan, 10 gauge formed steel legs, painted.

12 55 13 00-0016	EA	26" Wide x 76" Long x 32" High Stackable Bunk	286.91	68.82
12 55 13 00-0017	EA	31" Wide x 76" Long x 32" High Stackable Bunk	295.95	68.82

12 55 13 00-0018 Double Bunks (12 55 13)

Note: 14 Gauge center pans, 10 gauge formed steel legs, painted.

12 55 13 00-0019	EA	27" Wide x 80" Long x 52" High Double Bunk	477.49	91.76
12 55 13 00-0020	EA	32" Wide x 80" Long x 52" High Double Bunk	483.52	91.76
12 55 13 00-0021	EA	38" Wide x 80" Long x 52" High Double Bunk	509.14	91.76
12 55 13 00-0022	EA	Double Bunk Bed, 75" x 27", Up To 20	944.04	140.42
12 55 13 00-0023	EA	Double Bunk Bed, 75" x 27", Over 20	861.14	140.42



Furnishings	12	12
Furniture	12 50	
Detention Furniture	12 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 55 13 00-0024 Non-Removable Storage Drawers For Bunks/ Beds <small>(12 55 13)</small>		
<small>Note: 14 Gauge drawer with 10 gauge formed steel guides, painted.</small>		
12 55 13 00-0025 EA 16" Long x 15" Wide x 7.75" Deep Non Removable Storage Drawer	127.60	34.41
12 55 13 00-0026 EA 24" Long x 23" Wide x 10" Deep Non Removable Storage Drawer	192.48	36.70
12 55 13 00-0027 Expanded Metal Convertible Beds <small>(12 55 13)</small>		
<small>Note: 1/2" #13 Flattened expanded metal pans, welded inside 2" x 1-1/2" x 3/16" angle iron frames, 10 gauge formed steel legs with floor mount, 1-1/2" 10 gauge bracing between leg assembly and frame.</small>		
12 55 13 00-0028 EA 27" Wide x 80" Long x 24" High Expanded Metal Convertible Bed.....	287.56	68.82
12 55 13 00-0029 EA 32" Wide x 80" Long x 24" High Expanded Metal Convertible Bed.....	300.07	68.82
12 55 13 00-0030 EA 38" Wide x 80" Long x 24" High Expanded Metal Convertible Bed.....	312.56	68.82
12 55 13 00-0031 EA Adapter Kit For Converting Single Bed To Double Deck	41.68	
12 55 16 Detention Desks <small>(12 55)</small>		
12 55 16 00-0001 Heavy Duty Desk With Swing Arm Seat <small>(12 55 16)</small>		
<small>Note: Includes 12" diameter 11 gauge stainless steel seat, cast iron swing arm, 10 gauge shelves, stainless steel towel bar, 10 gauge steel foot rest, painted.</small>		
12 55 16 00-0002 EA 36.5" Long x 15.5" Deep x 30" High Desk With Swing Arm Seat, 10 Gauge Steel Top	777.82	73.41
12 55 16 00-0003 EA 36.5" Long x 15.5" Deep x 30" High Desk With Swing Arm Seat, 11 Gauge Stainless Steel Top	981.77	73.41
12 55 16 00-0004 Institutional Desk And Seat <small>(12 55 16)</small>		
12 55 16 00-0005 EA Institutional Desk And Seat, Up To 20	767.53	93.61
12 55 16 00-0006 EA Institutional Desk And Seat, Over 20	684.63	93.61
12 55 16 00-0007 EA Institutional Desk, Up To 20	684.63	93.61
12 55 16 00-0008 EA Institutional Desk, Over 20	601.73	93.61
12 55 19 Detention Stools <small>(12 55)</small>		
12 55 19 00-0001 Heavy Duty Steel Bench <small>(12 55 19)</small>		
<small>Note: 10 Gauge formed steel seat with rounded corners and edges, painted.</small>		
12 55 19 00-0002 EA 48" Long x 18" High x 12" Wide Steel Bench	259.40	55.05
12 55 19 00-0003 EA 72" Long x 18" High x 12" Wide Steel Bench	307.76	59.64
12 55 19 00-0004 EA 96" Long x 18" High x 12" Wide Steel Bench	339.45	64.23
12 55 19 00-0005 Stationary Stools <small>(12 55 19)</small>		
<small>Note: 12" Diameter 11 gauge stainless steel seat, 18" high, 2" schedule 40 steel pipe with welded 6" x 6" 10 gauge steel base plate bolted to floor.</small>		
12 55 19 00-0006 EA 12" Diameter Stainless Steel Stationary Stool, 18" High	208.85	55.05
12 55 19 00-0007 EA Floor Mounted Stool, 8" x 8" x 20"H, Up To 20	211.14	37.45
12 55 19 00-0008 EA Floor Mounted Stool, 8" x 8" x 20"H, Over 20	224.49	37.45
12 55 19 00-0009 EA Wall Mounted Swivel Stool, Up To 20	292.57	46.81
12 55 19 00-0010 EA Wall Mounted Swivel Stool, Over 20	242.83	46.81
12 55 19 00-0011 Cell Bench <small>(12 55 19)</small>		
<small>Note: 1-3/4" Thick red oak bench top, polyurethane finish.</small>		
12 55 19 00-0012 EA 48" Long x 12" Wide Cell Bench, Red Oak	219.96	55.15
12 55 19 00-0013 EA 72" Long x 12" Wide Cell Bench, Red Oak	257.97	59.64
12 55 19 00-0014 EA 96" Long x 12" Wide Cell Bench, Red Oak	283.68	64.23
12 55 23 Detention Tables <small>(12 55)</small>		
12 55 23 00-0001 Wall Mounted Table And Seat Set <small>(12 55 23)</small>		
<small>Note: 7 Gauge steel, painted.</small>		
12 55 23 00-0002 EA 18" x 12" Wall Mounted Table And Seat Set.....	205.32	39.00
12 55 23 00-0003 Heavy Duty Picnic Style Table <small>(12 55 23)</small>		
<small>Note: 10 Gauge steel, painted.</small>		
12 55 23 00-0004 EA 48" Long x 50" Wide x 30" High Steel Picnic - Style Table	627.54	68.82
12 55 23 00-0005 EA 72" Long x 50" Wide x 30" High Steel Picnic - Style Table	787.43	73.41
12 55 23 00-0006 EA 96" Long x 50" Wide x 30" High Steel Picnic - Style Table	876.58	80.29
12 55 23 00-0007 EA Picnic Table, 72" x 24" Up To 20	1,408.67	126.37
12 55 23 00-0008 EA Picnic Table, 72" x 24" Over 20	1,242.87	126.37
12 55 23 00-0009 Heavy Duty Picnic Style Table <small>(12 55 23)</small>		
<small>Note: 11 Gauge stainless steel top and benches with 10 gauge steel table base parts, painted.</small>		
12 55 23 00-0010 EA 48" Long x 50" Wide x 30" High Stainless Steel Picnic - Style Table.....	1,042.03	68.82
12 55 23 00-0011 EA 72" Long x 50" Wide x 30" High Stainless Steel Picnic - Style Table.....	1,465.69	73.41
12 55 23 00-0012 EA 96" Long x 50" Wide x 30" High Stainless Steel Picnic - Style Table.....	1,554.83	80.29
12 55 23 00-0013 Heavy Duty Pedestal Style Table <small>(12 55 23)</small>		
<small>Note: 10 Gauge steel table top with 11 gauge stainless steel, 12" diameter table seats, painted.</small>		

12 Furnishings**12 50 Furniture****12 55 Detention Furniture**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 55 23 00-0014	EA		24" Long x 59" Wide x 30" High Steel Pedestal Table.....	551.79	57.35
12 55 23 00-0015	EA		65" Long x 65" Wide x 30" High Steel Pedestal Table.....	869.94	61.94
12 55 23 00-0016	EA		65" Long x 87" Wide x 30" High Steel Pedestal Table.....	1,268.12	68.82
12 55 23 00-0017	EA		12" Diameter Stainless Steel Replacement Seat.....	47.03	9.18
12 55 23 00-0018			Heavy Duty Pedestal Style Table <small>(12 55 23)</small>		
			Note: 11 Gauge stainless steel table top with 11 gauge stainless steel, 12" diameter table seats, painted.		
12 55 23 00-0019	EA		24" Long x 59" Wide x 30" High Stainless Steel Pedestal Table.....	679.90	57.35
12 55 23 00-0020	EA		65" Long x 65" Wide x 30" High Stainless Steel Pedestal Table.....	1,141.24	61.94
12 55 23 00-0021	EA		65" Long x 87" Wide x 30" High Stainless Steel Pedestal Table.....	1,637.39	68.82
12 55 23 00-0022	EA		12" Diameter Gray-Primed Steel Replacement Seats.....	35.77	9.18
12 55 23 00-0023	EA		4-MFIN, Pedestal Table, 39-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20.....	1,205.43	107.65
12 55 23 00-0024	EA		4-MFIN, Pedestal Table, 39-1/2" x 39-1/2" Stainless Steel Table Top, Over 20.....	1,039.63	107.65
12 55 23 00-0025	EA		6-MRN, Pedestal Table, 63-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20.....	1,555.75	117.01
12 55 23 00-0026	EA		6-MRN, Pedestal Table, 63-1/2" x 39-1/2" Stainless Steel Table Top, Over 20.....	1,389.95	117.01
12 55 23 00-0027	EA		8-MON, Pedestal Table, 87-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20.....	2,237.67	126.37
12 55 23 00-0028	EA		8-MON, Pedestal Table, 87-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20.....	1,906.07	126.37
12 55 26			Detention Safety Clothes Hooks <small>(12 55)</small>		
12 55 26 00-0001	EA		Collapsible Clothes Hook, Screw Type.....	55.95	19.81
12 55 26 00-0002	EA		Collapsible Clothes Hook, Weld-On Type.....	51.15	18.35
12 55 26 00-0003	EA		8" x 18" Storage Shelf.....	220.78	36.70
			Note: With four collapsible clothes hooks on 11" x 18" back plate, welded steel plates, anchors.		
12 55 26 00-0004	EA		Shelf With Safety Clothes Hook, 16"Wx8"Deep, Up To 20.....	240.69	37.45
12 55 26 00-0005	EA		Shelf With Safety Clothes Hook, 16"Wx8"Deep, Over 20.....	199.24	37.45
12 55 26 00-0006	EA		Safety Clothes Hook, Up To 20.....	100.15	21.06
12 55 26 00-0007	EA		Safety Clothes Hook, Over 20.....	116.65	21.06
12 55 86			Detention Control Room Furniture <small>(12 55)</small>		
12 55 86 00-0001	EA		TV Wall Mount, 22-1/4" Wide x 13-1/2" Deep Tray, Single-Arm.....	230.85	74.28
12 55 86 00-0002	EA		Wall Mounted TV Shelf, 24"W x 24"Deep, Up To 20.....	472.02	70.21
12 55 86 00-0003	EA		Wall Mounted TV Shelf, 24"W x 24"Deep, Over 20.....	430.57	70.21
12 55 86 00-0004	EA		Speaking Device With 6" Diameter Stainless Steel Cover Plates.....	1,050.97	28.08
			Note: Includes neoprene gaskets, baffle, wire cloth and security screws.		
12 55 86 00-0005	EA		1" Diameter, 3/16" Thick, Stainless Steel Shower Curtain Rod With 12 Gauge Hooks.....	461.31	23.40
12 55 86 00-0006	LF		20" Depth, 10 Gauge Steel, Wall Mounted Bench.....	227.04	14.05
12 55 86 00-0007	LF		20" Depth, 10 Gauge Steel, Floor Mounted Bench.....	272.10	11.70
12 59			Systems Furniture <small>(12 50)</small>		
12 59 13			Panel-Hung Component System Furniture <small>(12 59)</small>		
12 59 13 00-0001			Open Office Systems Furniture Components <small>(12 59 13)</small>		
			Note: Excludes electrical wire and wiring devices. See CSI section 26 05 19 13-0001 for wire, 26 05 19 16-0011 for wire, 26 27 26 00-0000 for wiring devices.		
12 59 13 00-0002	EA		34H 24W Fabric Covered Panel - Component Systems Furniture.....	155.63	4.83
			For Tackable Acoustical Barrier Panel, Add	30.26	
			For Acoustical Panel, Add	32.89	
			For Enameled Surface, Deduct	-13.16	
12 59 13 00-0003	EA		34H 30W Fabric Covered Panel - Component Systems Furniture.....	172.98	5.37
			For Tackable Acoustical Barrier Panel, Add	33.63	
			For Acoustical Panel, Add	36.55	
			For Enameled Surface, Deduct	-14.62	
12 59 13 00-0004	EA		34H 36W Fabric Covered Panel - Component Systems Furniture.....	184.97	5.72
			For Tackable Acoustical Barrier Panel, Add	35.96	
			For Acoustical Panel, Add	39.09	
			For Enameled Surface, Deduct	-15.63	
12 59 13 00-0005	EA		34H 48W Fabric Covered Panel - Component Systems Furniture.....	207.26	6.42
			For Tackable Acoustical Barrier Panel, Add	40.29	
			For Acoustical Panel, Add	43.80	
			For Enameled Surface, Deduct	-17.52	
12 59 13 00-0006	EA		42H 24W Fabric Covered Panel - Component Systems Furniture.....	158.13	4.90
			For Tackable Acoustical Barrier Panel, Add	30.74	
			For Acoustical Panel, Add	33.41	
			For Enameled Surface, Deduct	-13.37	
12 59 13 00-0007	EA		42H 30W Fabric Covered Panel - Component Systems Furniture.....	178.77	5.53
			For Tackable Acoustical Barrier Panel, Add	34.75	
			For Acoustical Panel, Add	37.78	
			For Enameled Surface, Deduct	-15.11	
12 59 13 00-0008	EA		42H 36W Fabric Covered Panel - Component Systems Furniture.....	200.23	6.21
			For Tackable Acoustical Barrier Panel, Add	38.93	
			For Acoustical Panel, Add	42.31	
			For Enameled Surface, Deduct	-16.92	
12 59 13 00-0009	EA		42H 48W Fabric Covered Panel - Component Systems Furniture.....	235.33	7.27
			For Tackable Acoustical Barrier Panel, Add	45.75	
			For Acoustical Panel, Add	49.73	
			For Enameled Surface, Deduct	-19.89	



Furnishings	12
Furniture	12 50
Systems Furniture	12 59

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0010 EA 62H 12W Fabric Covered Panel - Component Systems Furniture.....	152.33	4.71
For Tackable Acoustical Barrier Panel, Add	29.61	
For Acoustical Panel, Add	32.19	
For Enameled Surface, Deduct	-12.88	
12 59 13 00-0011 EA 62H 24W Fabric Covered Panel - Component Systems Furniture.....	187.44	5.81
For Tackable Acoustical Barrier Panel, Add	36.44	
For Acoustical Panel, Add	39.61	
For Enameled Surface, Deduct	-15.84	
12 59 13 00-0012 EA 62H 36W Fabric Covered Panel - Component Systems Furniture.....	234.51	7.26
For Tackable Acoustical Barrier Panel, Add	45.59	
For Acoustical Panel, Add	49.55	
For Enameled Surface, Deduct	-19.82	
12 59 13 00-0013 EA 62H 48W Fabric Covered Panel - Component Systems Furniture.....	280.73	8.68
For Tackable Acoustical Barrier Panel, Add	54.58	
For Acoustical Panel, Add	59.33	
For Enameled Surface, Deduct	-23.73	
12 59 13 00-0014 EA 34" Draw Rod Panel Connector Hardware	8.49	0.26
12 59 13 00-0015 EA 42" Draw Rod Panel Connector Hardware	8.49	0.26
12 59 13 00-0016 EA 62" Draw Rod Panel Connector Hardware	9.06	0.28
12 59 13 00-0017 EA 34" Two-Way 90 Degree Panel Connector Hardware.....	39.10	1.21
12 59 13 00-0018 EA 42" Two-Way 90 Degree Panel Connector Hardware.....	45.33	1.40
12 59 13 00-0019 EA 62" Two-Way 90 Degree Panel Connector Hardware.....	52.14	1.61
12 59 13 00-0020 EA 34" Three-Way 90 Degree Panel Connector Hardware	60.64	1.88
12 59 13 00-0021 EA 42" Three-Way 90 Degree Panel Connector Hardware	70.26	2.18
12 59 13 00-0022 EA 62" Three-Way 90 Degree Panel Connector Hardware	81.60	2.53
12 59 13 00-0023 EA 34" Four-Way 90 Degree Panel Connector Hardware	76.50	2.37
12 59 13 00-0024 EA 42" Four-Way 90 Degree Panel Connector Hardware	89.53	2.77
12 59 13 00-0025 EA 62" Four-Way 90 Degree Panel Connector Hardware	107.67	3.33
12 59 13 00-0026 EA 34" Panel End Cap Hardware.....	13.04	0.40
12 59 13 00-0027 EA 42" Panel End Cap Hardware.....	14.73	0.45
12 59 13 00-0028 EA 62" Panel End Cap Hardware.....	15.87	0.49
12 59 13 00-0029 EA 28" Variable Height Panel End Filler.....	14.38	0.45
Note: Field cut to appropriate length.		
12 59 13 00-0030 EA Two-Way Trim Cover For Cable Management Raceway.....	7.39	0.23
12 59 13 00-0031 EA Three-Way Trim Cover For Cable Management Raceway	7.80	0.24
12 59 13 00-0032 EA Four-Way Trim Cover For Cable Management Raceway	9.03	0.28
12 59 13 00-0033 EA Finished End Trim Cover For Cable Management Raceway	7.39	0.23
12 59 13 00-0034 EA 12" Cable Management Raceway Assembly	15.21	0.47
Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0035 EA 24" Cable Management Raceway Assembly	17.26	0.52
Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0036 EA 30" Cable Management Raceway Assembly	17.67	0.54
Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0037 EA 36" Cable Management Raceway Assembly	19.72	0.61
Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0038 EA 48" Cable Management Raceway Assembly	22.18	0.68
Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0039 EA 24" x 36" Radiused Edge Rectangular Hanging Work Surface.....	119.31	3.68
12 59 13 00-0040 EA 30" x 36" Radiused Edge Rectangular Hanging Work Surface.....	146.98	4.54
12 59 13 00-0041 EA 24" x 48" Radiused Edge Rectangular Hanging Work Surface.....	138.72	4.29
12 59 13 00-0042 EA 30" x 48" Radiused Edge Rectangular Hanging Work Surface.....	173.41	5.37
12 59 13 00-0043 EA 24" x 60" Radiused Edge Rectangular Hanging Work Surface.....	175.05	5.42
12 59 13 00-0044 EA 30" x 60" Radiused Edge Rectangular Hanging Work Surface.....	220.48	6.84
12 59 13 00-0045 EA 24" x 72" Radiused Edge Rectangular Hanging Work Surface.....	212.61	6.57
12 59 13 00-0046 EA 30" x 72" Radiused Edge Rectangular Hanging Work Surface.....	267.11	8.26
12 59 13 00-0047 EA 30" x 60" Radiused Edge Table	474.50	14.70
12 59 13 00-0048 EA 30" x 72" Radiused Edge Table	518.51	16.06
12 59 13 00-0049 EA 14" x 24" Radiused Edge Transaction Surface	56.98	1.78
12 59 13 00-0050 EA 14" x 36" Radiused Edge Transaction Surface	64.81	2.00
12 59 13 00-0051 EA 14" x 48" Radiused Edge Transaction Surface	72.66	2.25
12 59 13 00-0052 EA 14" x 60" Radiused Edge Transaction Surface	90.41	2.81
12 59 13 00-0053 EA 14" x 72" Radiused Edge Transaction Surface	108.57	3.37
12 59 13 00-0054 EA 14" Right Angle Corner Transaction Surface	189.93	5.88
12 59 13 00-0055 EA Transaction Surface Support	15.05	0.46
12 59 13 00-0056 EA Plastic Pencil Drawer.....	16.58	0.45
12 59 13 00-0057 EA 15-1/2" x 24" Hanging Shelf.....	55.47	1.72
12 59 13 00-0058 EA 15-1/2" x 36" Hanging Shelf.....	60.39	1.86
12 59 13 00-0059 EA 15-1/2" x 48" Hanging Shelf.....	64.50	2.00
12 59 13 00-0060 EA 24" Flipper Door - Top And Front Closure	95.73	2.96
Note: Used with hanging shelf.		
12 59 13 00-0061 EA 36" Flipper Door - Top And Front Closure	111.74	3.47
Note: Used with hanging shelf.		
12 59 13 00-0062 EA 48" Flipper Door - Top And Front Closure	128.18	3.96
Note: Used with hanging shelf.		
12 59 13 00-0063 EA 24" Suspended Lateral File, Lockable	330.22	10.16
12 59 13 00-0064 EA 30" Suspended Lateral File, Lockable	348.78	10.73
12 59 13 00-0065 EA 36" Suspended Lateral File, Lockable	368.01	11.33
12 59 13 00-0066 EA 48" Suspended Lateral File, Lockable	402.50	12.39
12 59 13 00-0067 EA Fully Adjustable Vinyl Keyboard Tray	149.56	4.62
12 59 13 00-0068 EA Palm Rest For Vinyl Keyboard Tray.....	23.41	0.73
12 59 13 00-0069 EA 24" x 36" Radiused Edge Corner Work Surface	188.94	5.86
12 59 13 00-0070 EA File Drawer Organizer.....	60.81	1.88
12 59 13 00-0071 EA Suspended Lateral File Converter Bracket	13.15	0.40

12 Furnishings

12 50 Furniture

12 59 Systems Furniture

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

12 59 13 00-0072 EA Utility Task Light..... 65.73 2.04

12 59 13 00-0073 Disassemble And Store Systems Furniture Components (12 59 13)

12 59 13 00-0074	EA	Disassemble And Store 34H 24W Fabric Covered Panel.....	12.05
12 59 13 00-0075	EA	Disassemble And Store 34H 30W Fabric Covered Panel.....	13.39
12 59 13 00-0076	EA	Disassemble And Store 34H 36W Fabric Covered Panel.....	14.31
12 59 13 00-0077	EA	Disassemble And Store 34H 48W Fabric Covered Panel.....	16.05
12 59 13 00-0078	EA	Disassemble And Store 42H 24W Fabric Covered Panel.....	12.24
12 59 13 00-0079	EA	Disassemble And Store 42H 30W Fabric Covered Panel.....	13.84
12 59 13 00-0080	EA	Disassemble And Store 42H 36W Fabric Covered Panel.....	15.50
12 59 13 00-0081	EA	Disassemble And Store 42H 48W Fabric Covered Panel.....	18.22
12 59 13 00-0082	EA	Disassemble And Store 62H 12W Fabric Covered Panel.....	11.80
12 59 13 00-0083	EA	Disassemble And Store 62H 24W Fabric Covered Panel.....	14.52
12 59 13 00-0084	EA	Disassemble And Store 62H 36W Fabric Covered Panel.....	18.16
12 59 13 00-0085	EA	Disassemble And Store 62H 48W Fabric Covered Panel.....	21.74
12 59 13 00-0086	EA	Disassemble And Store 34" Draw Rod Panel Connector Hardware.....	0.66
12 59 13 00-0087	EA	Disassemble And Store 42" Draw Rod Panel Connector Hardware.....	0.66
12 59 13 00-0088	EA	Disassemble And Store 62" Draw Rod Panel Connector Hardware.....	0.70
12 59 13 00-0089	EA	Disassemble And Store 34" Two-Way 90 Degree Panel Connector Hardware.....	3.03
12 59 13 00-0090	EA	Disassemble And Store 42" Two-Way 90 Degree Panel Connector Hardware.....	3.51
12 59 13 00-0091	EA	Disassemble And Store 62" Two-Way 90 Degree Panel Connector Hardware.....	4.03
12 59 13 00-0092	EA	Disassemble And Store 34" Three-Way 90 Degree Panel Connector Hardware.....	4.69
12 59 13 00-0093	EA	Disassemble And Store 42" Three-Way 90 Degree Panel Connector Hardware.....	5.44
12 59 13 00-0094	EA	Disassemble And Store 62" Three-Way 90 Degree Panel Connector Hardware.....	6.32
12 59 13 00-0095	EA	Disassemble And Store 34" Four-Way 90 Degree Panel Connector Hardware.....	5.92
12 59 13 00-0096	EA	Disassemble And Store 42" Four-Way 90 Degree Panel Connector Hardware.....	6.93
12 59 13 00-0097	EA	Disassemble And Store 62" Four-Way 90 Degree Panel Connector Hardware.....	8.34
12 59 13 00-0098	EA	Disassemble And Store 34" Panel End Cap Hardware.....	1.01
12 59 13 00-0099	EA	Disassemble And Store 42" Panel End Cap Hardware.....	1.14
12 59 13 00-0100	EA	Disassemble And Store 62" Panel End Cap Hardware.....	1.22
12 59 13 00-0101	EA	Disassemble And Store Variable Height Panel End Filler.....	1.11
12 59 13 00-0102	EA	Disassemble And Store Two-Way Trim Cover For Cable Management Raceway.....	0.57
12 59 13 00-0103	EA	Disassemble And Store Three-Way Trim Cover For Cable Management Raceway.....	0.60
12 59 13 00-0104	EA	Disassemble And Store Four-Way Trim Cover For Cable Management Raceway.....	0.70
12 59 13 00-0105	EA	Disassemble And Store Finished End Trim Cover For Cable Management Raceway.....	0.57
12 59 13 00-0106	EA	Disassemble And Store 12" Cable Management Raceway Assembly.....	1.17
12 59 13 00-0107	EA	Disassemble And Store 24" Cable Management Raceway Assembly.....	1.33
12 59 13 00-0108	EA	Disassemble And Store 30" Cable Management Raceway Assembly.....	1.36
12 59 13 00-0109	EA	Disassemble And Store 36" Cable Management Raceway Assembly.....	1.52
12 59 13 00-0110	EA	Disassemble And Store 48" Cable Management Raceway Assembly.....	1.72
12 59 13 00-0111	EA	Disassemble And Store 24" x 36" Radiused Edge Rectangular Hanging Work Surface.....	9.24
12 59 13 00-0112	EA	Disassemble And Store 30" x 36" Radiused Edge Rectangular Hanging Work Surface.....	11.38
12 59 13 00-0113	EA	Disassemble And Store 24" x 48" Radiused Edge Rectangular Hanging Work Surface.....	10.74
12 59 13 00-0114	EA	Disassemble And Store 30" x 48" Radiused Edge Rectangular Hanging Work Surface.....	13.42
12 59 13 00-0115	EA	Disassemble And Store 24" x 60" Radiused Edge Rectangular Hanging Work Surface.....	13.55
12 59 13 00-0116	EA	Disassemble And Store 30" x 60" Radiused Edge Rectangular Hanging Work Surface.....	17.07
12 59 13 00-0117	EA	Disassemble And Store 24" x 72" Radiused Edge Rectangular Hanging Work Surface.....	16.46
12 59 13 00-0118	EA	Disassemble And Store 30" x 72" Radiused Edge Rectangular Hanging Work Surface.....	20.68
12 59 13 00-0119	EA	Disassemble And Store 30" x 60" Radiused Edge Table.....	31.94
12 59 13 00-0120	EA	Disassemble And Store 30" x 72" Radiused Edge Table.....	40.13
12 59 13 00-0121	EA	Disassemble And Store 14" x 24" Radiused Edge Transaction Surface.....	4.41
12 59 13 00-0122	EA	Disassemble And Store 14" x 36" Radiused Edge Transaction Surface.....	5.02
12 59 13 00-0123	EA	Disassemble And Store 14" x 48" Radiused Edge Transaction Surface.....	5.63
12 59 13 00-0124	EA	Disassemble And Store 14" x 60" Radiused Edge Transaction Surface.....	7.00
12 59 13 00-0125	EA	Disassemble And Store 14" x 72" Radiused Edge Transaction Surface.....	8.41
12 59 13 00-0126	EA	Disassemble And Store 14" Right Angle Corner Transaction Surface.....	14.71
12 59 13 00-0127	EA	Disassemble And Store Transaction Surface Support.....	1.16
12 59 13 00-0128	EA	Disassemble And Store Plastic Pencil Drawer.....	1.14
12 59 13 00-0129	EA	Disassemble And Store 15-1/2" x 24" Hanging Shelf.....	4.29
12 59 13 00-0130	EA	Disassemble And Store 15-1/2" x 36" Hanging Shelf.....	4.67
12 59 13 00-0131	EA	Disassemble And Store 15-1/2" x 48" Hanging Shelf.....	5.00
12 59 13 00-0132	EA	Disassemble And Store 24" Flipper Door And Shelf.....	7.41
12 59 13 00-0133	EA	Disassemble And Store 36" Flipper Door And Shelf.....	8.65
12 59 13 00-0134	EA	Disassemble And Store 48" Flipper Door And Shelf.....	9.92
12 59 13 00-0135	EA	Disassemble And Store 24" Suspended Lateral File.....	25.40
12 59 13 00-0136	EA	Disassemble And Store 30" Suspended Lateral File.....	26.82
12 59 13 00-0137	EA	Disassemble And Store 36" Suspended Lateral File.....	28.31
12 59 13 00-0138	EA	Disassemble And Store 48" Suspended Lateral File.....	30.96
12 59 13 00-0139	EA	Disassemble And Store Fully Adjustable Vinyl Keyboard Tray.....	11.58
12 59 13 00-0140	EA	Disassemble And Store 24" x 36" Radiused Edge Corner Work Surface.....	14.63
12 59 13 00-0141	EA	Disassemble And Store Utility Task Light.....	5.09

12 59 13 00-0142 Reconfigure Systems Furniture Components (12 59 13)

12 59 13 00-0143	EA	Reconfigure 34H 24W Fabric Covered Panel.....	12.85
12 59 13 00-0144	EA	Reconfigure 34H 30W Fabric Covered Panel.....	14.28
12 59 13 00-0145	EA	Reconfigure 34H 36W Fabric Covered Panel.....	15.27
12 59 13 00-0146	EA	Reconfigure 34H 48W Fabric Covered Panel.....	17.10
12 59 13 00-0147	EA	Reconfigure 42H 24W Fabric Covered Panel.....	13.05
12 59 13 00-0148	EA	Reconfigure 42H 30W Fabric Covered Panel.....	14.76



Furnishings	12	12
Furniture	12 50	
Systems Furniture	12 59	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0149 EA Reconfigure 42H 36W Fabric Covered Panel.....	16.53	
12 59 13 00-0150 EA Reconfigure 42H 48W Fabric Covered Panel.....	19.42	
12 59 13 00-0151 EA Reconfigure 62H 12W Fabric Covered Panel.....	12.58	
12 59 13 00-0152 EA Reconfigure 62H 24W Fabric Covered Panel.....	15.47	
12 59 13 00-0153 EA Reconfigure 62H 36W Fabric Covered Panel.....	19.36	
12 59 13 00-0154 EA Reconfigure 62H 48W Fabric Covered Panel.....	23.17	
12 59 13 00-0155 EA Reconfigure 34" Draw Rod Panel Connector Hardware.....	0.70	
12 59 13 00-0156 EA Reconfigure 42" Draw Rod Panel Connector Hardware.....	0.70	
12 59 13 00-0157 EA Reconfigure 62" Draw Rod Panel Connector Hardware.....	0.75	
12 59 13 00-0158 EA Reconfigure 34" Two-Way 90 Degree Panel Connector Hardware.....	3.23	
12 59 13 00-0159 EA Reconfigure 42" Two-Way 90 Degree Panel Connector Hardware.....	3.74	
12 59 13 00-0160 EA Reconfigure 62" Two-Way 90 Degree Panel Connector Hardware.....	4.30	
12 59 13 00-0161 EA Reconfigure 34" Three-Way 90 Degree Panel Connector Hardware.....	5.01	
12 59 13 00-0162 EA Reconfigure 42" Three-Way 90 Degree Panel Connector Hardware.....	5.80	
12 59 13 00-0163 EA Reconfigure 62" Three-Way 90 Degree Panel Connector Hardware.....	6.73	
12 59 13 00-0164 EA Reconfigure 34" Four-Way 90 Degree Panel Connector Hardware.....	6.32	
12 59 13 00-0165 EA Reconfigure 42" Four-Way 90 Degree Panel Connector Hardware.....	7.39	
12 59 13 00-0166 EA Reconfigure 62" Four-Way 90 Degree Panel Connector Hardware.....	8.89	
12 59 13 00-0167 EA Reconfigure 34" Panel End Cap Hardware.....	1.07	
12 59 13 00-0168 EA Reconfigure 42" Panel End Cap Hardware.....	1.21	
12 59 13 00-0169 EA Reconfigure 62" Panel End Cap Hardware.....	1.31	
12 59 13 00-0170 EA Reconfigure Variable Height Panel End Filler.....	1.18	
12 59 13 00-0171 EA Reconfigure Two-Way Trim Cover For Cable Management Raceway.....	0.61	
12 59 13 00-0172 EA Reconfigure Three-Way Trim Cover For Cable Management Raceway.....	0.64	
12 59 13 00-0173 EA Reconfigure Four-Way Trim Cover For Cable Management Raceway.....	0.74	
12 59 13 00-0174 EA Reconfigure Finished End Trim Cover For Cable Management Raceway.....	0.61	
12 59 13 00-0175 EA Reconfigure 12" Cable Management Raceway Assembly.....	1.25	
12 59 13 00-0176 EA Reconfigure 24" Cable Management Raceway Assembly.....	1.42	
12 59 13 00-0177 EA Reconfigure 30" Cable Management Raceway Assembly.....	1.45	
12 59 13 00-0178 EA Reconfigure 36" Cable Management Raceway Assembly.....	1.63	
12 59 13 00-0179 EA Reconfigure 48" Cable Management Raceway Assembly.....	1.84	
12 59 13 00-0180 EA Reconfigure 24" x 36" Radiused Edge Rectangular Hanging Work Surface.....	9.85	
12 59 13 00-0181 EA Reconfigure 30" x 36" Radiused Edge Rectangular Hanging Work Surface.....	12.13	
12 59 13 00-0182 EA Reconfigure 24" x 48" Radiused Edge Rectangular Hanging Work Surface.....	11.45	
12 59 13 00-0183 EA Reconfigure 30" x 48" Radiused Edge Rectangular Hanging Work Surface.....	14.31	
12 59 13 00-0184 EA Reconfigure 24" x 60" Radiused Edge Rectangular Hanging Work Surface.....	14.44	
12 59 13 00-0185 EA Reconfigure 30" x 60" Radiused Edge Rectangular Hanging Work Surface.....	18.20	
12 59 13 00-0186 EA Reconfigure 24" x 72" Radiused Edge Rectangular Hanging Work Surface.....	17.55	
12 59 13 00-0187 EA Reconfigure 30" x 72" Radiused Edge Rectangular Hanging Work Surface.....	22.05	
12 59 13 00-0188 EA Reconfigure 30" x 60" Radiused Edge Table.....	39.17	
12 59 13 00-0189 EA Reconfigure 30" x 72" Radiused Edge Table.....	42.80	
12 59 13 00-0190 EA Reconfigure 14" x 24" Radiused Edge Transaction Surface.....	4.70	
12 59 13 00-0191 EA Reconfigure 14" x 36" Radiused Edge Transaction Surface.....	5.35	
12 59 13 00-0192 EA Reconfigure 14" x 48" Radiused Edge Transaction Surface.....	6.00	
12 59 13 00-0193 EA Reconfigure 14" x 60" Radiused Edge Transaction Surface.....	7.46	
12 59 13 00-0194 EA Reconfigure 14" x 72" Radiused Edge Transaction Surface.....	8.96	
12 59 13 00-0195 EA Reconfigure 14" Right Angle Corner Transaction Surface.....	15.68	
12 59 13 00-0196 EA Reconfigure Transaction Surface Support.....	1.23	
12 59 13 00-0197 EA Reconfigure 15-1/2" x 24" Hanging Shelf.....	4.57	
12 59 13 00-0198 EA Reconfigure 15-1/2" x 36" Hanging Shelf.....	4.99	
12 59 13 00-0199 EA Reconfigure 15-1/2" x 48" Hanging Shelf.....	5.33	
12 59 13 00-0200 EA Reconfigure 24" Flipper Door And Shelf.....	7.90	
12 59 13 00-0201 EA Reconfigure 36" Flipper Door And Shelf.....	9.23	
12 59 13 00-0202 EA Reconfigure 48" Flipper Door And Shelf.....	10.58	
12 59 13 00-0203 EA Reconfigure 24" Suspended Lateral File.....	27.09	
12 59 13 00-0204 EA Reconfigure 30" Suspended Lateral File.....	28.62	
12 59 13 00-0205 EA Reconfigure 36" Suspended Lateral File.....	30.19	
12 59 13 00-0206 EA Reconfigure 48" Suspended Lateral File.....	33.02	
12 59 13 00-0207 EA Reconfigure 24" x 36" Radiused Edge Corner Work Surface.....	15.60	

12 60 Multiple Seating ⁽¹²⁾

12 61 Fixed Audience Seating ^(12 60)

See CSI section 12 01 60 00-0001 for seat repairs.

12 61 13 Upholstered Audience Seating ^(12 61)

12 61 13 00-0001 Fixed Back Upholstered Audience Seating ^(12 61 13)

12 61 13 00-0002 EA 31" Seat Height, Polypropylene, Fixed Back Upholstered Audience Seating (Irwin Marquee 51.12.10.4).....	440.86	40.37
Note: Polypropylene surfaced back and seat with plywood backed upholstered panels. Comfort curved wood armrests. Powdered coated steel chair platform.		
For >100, Deduct	-57.27	
For Table Arm Attachment, Add	54.92	
For Aisle Panel, Add	95.49	
For Epoxy Anchoring, Add	16.79	
For <25, Add	95.34	

12	Furnishings
12 60	Multiple Seating
12 61	Fixed Audience Seating



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 61 13 00-0003 EA 36" Seat Height, Polypropylene, Fixed Back Upholstered Audience Seating (Irwin Saturn 22.12.00.4).....	562.48	40.37
Note: Polypropylene surfaced back and seat with plywood backed upholstered panels. Comfort curved polymer armrests. Powdered coated steel chair platform.		
For >100, Deduct	-77.00	
For Table Arm Attachment, Add	54.92	
For Aisle Panel, Add	95.49	
For Epoxy Anchoring, Add	16.79	
For <25, Add	128.17	
12 61 16 Molded-Plastic Audience Seating (12 61)		
12 61 16 00-0001 Fixed Back Molded-Plastic Audience Seating (12 61 16)		
12 61 16 00-0002 EA Fixed Back Molded-Plastic Audience Seating (Irwin Patriot 30.52.36.30).....	327.44	40.37
Note: Impact resistant textured polypropylene seat and back. Laminate surfaced armrests. Powder coated steel chair platform.		
For >100, Deduct	-38.88	
For Table Arm Attachment, Add	54.92	
For Aisle Panel, Add	95.49	
For Epoxy Anchoring, Add	16.79	
For <25, Add	64.71	
12 61 19 Plywood/Hardwood Audience Seating (12 61)		
12 61 19 00-0001 Fixed Back Plywood/Hardwood Audience Seating (12 61 19)		
12 61 19 00-0002 EA Fixed Back Plywood/Hardwood Audience Seating (Irwin Crusader 1.14.86.4).....	484.49	40.37
Note: Stained hardwood armrests, veneered plywood seat, and veneered plywood back. Powder coated steel chair platform.		
For >100, Deduct	-64.35	
For Table Arm Attachment, Add	54.92	
For Aisle Panel, Add	95.49	
For Epoxy Anchoring, Add	16.79	
For <25, Add	107.12	
12 62 Portable-Audience Seating (12 62)		
12 62 23 Portable Bleachers (12 62)		
12 62 23 00-0001 Metal Bleachers, Outdoor, Portable (12 62 23)		
Note: Average seating is 18".		
12 62 23 00-0002 Non-Elevated Portable Aluminum Bleacher (12 62 23 00-0001)		
12 62 23 00-0003 SEA 2 To 5 Rows, Non Elevated Portable Aluminum Bleacher Price Per Seat.....	47.80	3.60
For Each "Tip and Roll" Set (Includes Two Fixed Wheels), Add To Total Structure	165.00	
For Each "Flip and Roll" Set (Includes Four Wheels), Add To Total Structure	335.00	
12 62 23 00-0004 Non-Elevated Portable Aluminum Bleacher (12 62 23 00-0001)		
Note: Includes side and back fence.		
12 62 23 00-0005 SEA 5 Rows, Non Elevated Portable Aluminum Bleacher.....	59.68	3.60
Note: Including side and back fence.		
For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	35.00	
12 62 23 00-0006 SEA 6 To 10 Rows, Non Elevated Portable Aluminum Bleacher.....	67.13	3.77
Note: Including side and back fence.		
For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	35.00	
12 62 23 00-0007 SEA 11 To 15 Rows, Non Elevated Portable Aluminum Bleacher.....	70.12	3.95
Note: Including side and back fence.		
For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	35.00	
12 62 23 00-0008 Non-Elevated Portable Aluminum Bleacher (12 62 23 00-0001)		
Note: Includes side and back fence and center aisle with rails.		
12 62 23 00-0009 SEA 5 Rows, Non Elevated Portable Aluminum Bleacher.....	88.13	4.04
Note: Including side and back fence and center aisle with hand rails.		
For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	35.00	
12 62 23 00-0010 SEA 6 To 10 Rows, Non Elevated Portable Aluminum Bleacher.....	99.79	4.25
Note: Including side and back fence and center aisle with hand rails.		
For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	35.00	
12 62 23 00-0011 SEA 11 To 15 Rows, Non Elevated Portable Aluminum Bleacher.....	107.86	4.50
Note: Including side and back fence and center aisle with hand rails.		
For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	35.00	



	Furnishings	12	12
	Multiple Seating	12 60	
	Portable-Audience Seating	12 62	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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END OF SECTION 12

12	12	Furnishings
	12 60	Multiple Seating
	12 62	Portable-Audience Seating



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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Special Construction	13	13
Special Facility Components	13 10	
Swimming Pools	13 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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13 Special Construction

13 10 Special Facility Components ⁽¹³⁾

13 11 Swimming Pools ^(13 10)

13 11 46 Swimming Pool Accessories ^(13 11)

13 11 46 00-0001 Diving Stand ^(13 11 46)

13 11 46 00-0002	EA	Diving Stand, 3 M Galvanized Steel Swimming Pool Equipment.....	19,111.32	2,412.52
13 11 46 00-0003	EA	Diving Stand, 3 M Stainless Steel Swimming Pool Equipment.....	20,598.71	2,412.52
13 11 46 00-0004	EA	Diving Stand, 1 M Galvanized Steel Swimming Pool Equipment.....	11,089.24	965.00
13 11 46 00-0005	EA	Diving Stand, 1 M Stainless Steel Swimming Pool Equipment.....	12,408.35	965.00
13 11 46 00-0006	EA	Diving Stand, 1/2 M Galvanized Steel With Stainless Steel Rails.....	4,128.76	447.76

13 11 46 00-0007 Diving Boards ^(13 11 46)

13 11 46 00-0008	EA	14' Long, Aluminum Diving Boards.....	3,778.81	357.05
		<i>For Wheel Adjuster, Add</i>	110.69	
13 11 46 00-0009	EA	14' Long, Fiberglass Diving Boards.....	1,909.62	357.05
		<i>For Wheel Adjuster, Add</i>	110.69	
13 11 46 00-0010	EA	8' Long, Fiberglass Diving Board.....	1,175.72	296.25
		<i>For Wheel Adjuster, Add</i>	103.93	
13 11 46 00-0011	EA	10' Long, Fiberglass Diving Board.....	1,452.80	316.53
		<i>For Wheel Adjuster, Add</i>	106.17	
13 11 46 00-0012	EA	12' Long, Fiberglass Diving Board.....	1,725.77	337.75
		<i>For Wheel Adjuster, Add</i>	108.51	

13 11 46 00-0013 Heavy Duty Ladders ^(13 11 46)

13 11 46 00-0014	EA	Ladders, 2 Tread, Galvanized Steel Swimming Pool Equipment.....	1,032.97	137.99
13 11 46 00-0015	EA	Ladders, 2 Tread, Stainless Steel Swimming Pool Equipment.....	1,445.74	137.99
13 11 46 00-0016	EA	Ladders, 4 Tread, Galvanized Steel Swimming Pool Equipment.....	1,187.10	159.23
13 11 46 00-0017	EA	Ladders, 4 Tread, Stainless Steel Swimming Pool Equipment.....	1,773.39	159.23

13 11 46 00-0018 Lifeguard Chair ^(13 11 46)

13 11 46 00-0019	EA	Lifeguard Chair, Galvanized Swimming Pool Equipment.....	2,488.31	357.05
13 11 46 00-0020	EA	Lifeguard Chair, Stainless Steel Swimming Pool Equipment.....	3,289.90	357.05

13 11 46 00-0021 Underwater Lights ^(13 11 46)

13 11 46 00-0022	EA	Lights, Underwater, 12 Volt, With Transformer Swimming Pool Equipment.....	505.52	120.80
13 11 46 00-0023	EA	Lights, Underwater, 110 Volt, Swimming Pool Equipment.....	493.40	120.80

13 11 46 00-0024 Pool Covers ^(13 11 46)

Note: Includes cover straps and tension springs.				
13 11 46 00-0025	SF	Pool Covers, Reinforced Polyethylene.....	11.26	4.91
13 11 46 00-0026	SF	Pool Cover, Vinyl Water Tube.....	11.38	4.91

13 11 46 00-0027 Slides With Water Tube ^(13 11 46)

13 11 46 00-0028	EA	Swim Pool Slide.....	2,778.68	542.81
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13 11 46 00-0029 Curved Slides With Water Tube ^(13 11 46)

13 11 46 00-0030	EA	8 Ft Curved With Continuous Flowing Water.....	2,018.66	738.52
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13 12 Fountains ^(13 10)

13 12 13 Exterior Fountains ^(13 12)

13 12 13 00-0001 Fountains/Aerators ^(13 12 13)

13 12 13 00-0002	EA	1/2 HP Pump, Single Phase With 100' Cord.....	2,266.08	139.13
13 12 13 00-0003	EA	3/4 HP Pump, Single Phase With 100' Cord.....	2,510.56	142.19
13 12 13 00-0004	EA	1 HP Pump, Single Phase With 100' Cord.....	2,542.80	145.64
13 12 13 00-0005	EA	1-1/2 HP Pump, Single Phase With 100' Cord.....	2,669.84	149.08
13 12 13 00-0006	EA	2 HP Pump, Single Phase With 100' Cord.....	2,797.79	152.90
13 12 13 00-0007	EA	5 HP Pump, Three Phase With 200' Cord.....	6,075.44	156.72
13 12 13 00-0008	EA	7-1/2 HP Pump, Three Phase With 200' Cord.....	6,962.23	160.92
13 12 13 00-0009	EA	10 HP Pump, Three Phase With 200' Cord.....	7,730.63	165.13
13 12 13 00-0010	EA	15 HP Pump, Three Phase With 200' Cord.....	9,802.40	169.71
13 12 13 00-0011	EA	Aerator Nozzle.....	543.20	76.45

13	13 Special Construction
	13 20 Special Purpose Rooms
	13 12 Fountains



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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13 20 Special Purpose Rooms ⁽¹³⁾

13 21 Controlled Environment Rooms ^(13 20)

13 21 26 Cold Storage Rooms ^(13 21)

13 21 26 13 Walk-in Coolers ^(13 21 26)

See CSI section 11 41 23 00-0000 for walk-in coolers.

13 30 Special Structures ⁽¹³⁾

13 34 Fabricated Engineered Structures ^(13 30)

13 34 16 Grandstands And Bleachers ^(13 34)

13 34 16 13 Grandstands ^(13 34 16)

13 34 16 13-0001 Permanent Grandstands, Wood Seat, Steel Frame ^(13 34 16 13)

13 34 16 13-0002 3 To 15 Tiers ^(13 34 16 13-0001)

13 34 16 13-0003	SEA 3-15 Tier Permanent Grandstand Price Per Seat	66.72	7.19
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13 34 16 13-0004 16 To 30 Tiers ^(13 34 16 13-0001)

13 34 16 13-0005	SEA 16-30 Tier Permanent Grandstand Price Per Seat	101.29	8.09
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13 34 19 Metal Building Systems ^(13 34)

Note: Includes material, delivery to site, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site.

13 34 19 00-0001 Pre-Engineered Metal Buildings ^(13 34 19)

Note: Free standing base buildings have a live load of 12 PSF and a wind load of 16.4 PSF (80 MPH). Includes anchoring and fasteners to concrete foundation. Includes design for foundation footings and piers. Includes a prime coated structural frame, painted steel wall panels 26 gauge, standing seam roof panels 26 gauge, roof 1 in 12 slope. Includes material, delivery to site, lifting equipment (crane) for erection, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site. Eave height is measured from the top of slab to the underside of the roof deck. Excludes foundations and slab.

13 34 19 00-0002 Clear Span Rigid Frame Pre-Engineered Metal Buildings ^(13 34 19 00-0001)

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0003 20' To 30' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings ^(13 34 19 00-0002)

13 34 19 00-0004	GSF 10' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	21.07	6.19
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For 30' To 49' In Length Only, Add	2.09
For 50' To 69' In Length Only, Add	1.14
For 70' To 99' In Length Only, Add	0.47
For >1 In 12 Slope To 3 In 12 Slope, Add	0.63
For >3 In 12 Slope To 5 In 12 Slope, Add	1.05
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.58
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.05
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.53
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.00
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.06
For Each SF Of 24 Gauge Wall Panel, Add	0.61
For Each SF Of Lap Roof, Deduct	-0.76
For Each SF Of Hip Roof, Add	0.78
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97

13 34 19 00-0005	GSF 12' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	22.53	6.80
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For 30' To 49' In Length Only, Add	2.15
For 50' To 69' In Length Only, Add	1.17
For 70' To 99' In Length Only, Add	0.48
For >1 In 12 Slope To 3 In 12 Slope, Add	0.68
For >3 In 12 Slope To 5 In 12 Slope, Add	1.13
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.69
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.20
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.70
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.28
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.41
For Each SF Of 24 Gauge Wall Panel, Add	0.65
For Each SF Of Lap Roof, Deduct	-0.76
For Each SF Of Hip Roof, Add	0.85
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0006 GSF 14' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	24.19	7.51
<i>For 30' To 49' In Length Only, Add</i>	2.21	
<i>For 50' To 69' In Length Only, Add</i>	1.20	
<i>For 70' To 99' In Length Only, Add</i>	0.50	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.73	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.21	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.81	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.36	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.90	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.60	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	5.81	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.70	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.93	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0007 GSF 16' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	26.03	8.20
<i>For 30' To 49' In Length Only, Add</i>	2.31	
<i>For 50' To 69' In Length Only, Add</i>	1.26	
<i>For 70' To 99' In Length Only, Add</i>	0.52	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.78	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.30	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.95	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.54	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.12	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.95	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	6.25	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.75	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	1.00	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0008 GSF 18' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	27.94	8.91
<i>For 30' To 49' In Length Only, Add</i>	2.43	
<i>For 50' To 69' In Length Only, Add</i>	1.33	
<i>For 70' To 99' In Length Only, Add</i>	0.55	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.84	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.40	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	2.10	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.72	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.35	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	5.31	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	6.71	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.80	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	1.08	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0009 GSF 20' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	29.75	9.57
<i>For 30' To 49' In Length Only, Add</i>	2.55	
<i>For 50' To 69' In Length Only, Add</i>	1.39	
<i>For 70' To 99' In Length Only, Add</i>	0.57	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.89	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.49	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	2.23	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.90	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.57	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	5.65	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	7.14	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.85	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	1.15	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0010 GSF 24' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	33.39	10.98
<i>For 30' To 49' In Length Only, Add</i>	2.77	
<i>For 50' To 69' In Length Only, Add</i>	1.51	
<i>For 70' To 99' In Length Only, Add</i>	0.62	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	1.00	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.67	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	2.50	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	3.26	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.01	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	6.34	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	8.01	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.95	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	1.30	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	

13 34 19 00-0011 >30' To 50' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings
(13 34 19 00-0002)

13 Special Construction

13 30 Special Structures

13 34 Fabricated Engineered Structures



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0012 GSF 10' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	17.96	4.92
For 30' To 49' In Length Only, Add	1.95	
For 50' To 69' In Length Only, Add	1.06	
For 70' To 99' In Length Only, Add	0.44	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.54	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.90	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.35	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.75	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.16	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.41	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.31	
For Each SF Of 24 Gauge Wall Panel, Add	0.53	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.64	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0013 GSF 12' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	19.14	5.37
For 30' To 49' In Length Only, Add	2.00	
For 50' To 69' In Length Only, Add	1.09	
For 70' To 99' In Length Only, Add	0.45	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.57	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.96	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.44	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.87	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.30	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.64	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.59	
For Each SF Of 24 Gauge Wall Panel, Add	0.56	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.69	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0014 GSF 14' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	20.15	5.81
For 30' To 49' In Length Only, Add	2.04	
For 50' To 69' In Length Only, Add	1.12	
For 70' To 99' In Length Only, Add	0.46	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.60	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.01	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.51	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.96	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.42	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.83	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.84	
For Each SF Of 24 Gauge Wall Panel, Add	0.59	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.74	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0015 GSF 16' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	21.63	6.33
For 30' To 49' In Length Only, Add	2.15	
For 50' To 69' In Length Only, Add	1.18	
For 70' To 99' In Length Only, Add	0.48	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.65	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.08	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.62	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.11	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.60	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.11	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.19	
For Each SF Of 24 Gauge Wall Panel, Add	0.63	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.80	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0016 GSF 18' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	23.43	6.80
For 30' To 49' In Length Only, Add	2.36	
For 50' To 69' In Length Only, Add	1.29	
For 70' To 99' In Length Only, Add	0.53	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.70	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.17	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.76	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.28	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.81	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.45	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.62	
For Each SF Of 24 Gauge Wall Panel, Add	0.68	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.85	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0017 GSF 20' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	25.09	7.27
For 30' To 49' In Length Only, Add	2.51	
For 50' To 69' In Length Only, Add	1.37	
For 70' To 99' In Length Only, Add	0.56	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.75	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.25	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.88	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.45	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.01	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.77	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.02	
For Each SF Of 24 Gauge Wall Panel, Add	0.73	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.90	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0018 GSF 24' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	27.46	8.20
For 30' To 49' In Length Only, Add	2.65	
For 50' To 69' In Length Only, Add	1.45	
For 70' To 99' In Length Only, Add	0.60	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.82	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.37	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.06	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.68	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.30	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.22	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.59	
For Each SF Of 24 Gauge Wall Panel, Add	0.80	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.00	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0019 >50' To 100' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings		
(13 34 19 00-0002)		
13 34 19 00-0020 GSF 10' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	13.19	3.05
For 30' To 49' In Length Only, Add	1.70	
For 50' To 69' In Length Only, Add	0.93	
For 70' To 99' In Length Only, Add	0.38	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.40	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.66	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.99	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.29	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.58	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.51	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.17	
For Each SF Of 24 Gauge Wall Panel, Add	0.40	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.44	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0021 GSF 12' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	13.79	3.24
For 30' To 49' In Length Only, Add	1.76	
For 50' To 69' In Length Only, Add	0.96	
For 70' To 99' In Length Only, Add	0.40	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.41	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.69	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.03	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.34	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.65	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.62	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.31	
For Each SF Of 24 Gauge Wall Panel, Add	0.42	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.46	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0022 GSF 14' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	14.37	3.43
For 30' To 49' In Length Only, Add	1.81	
For 50' To 69' In Length Only, Add	0.99	
For 70' To 99' In Length Only, Add	0.41	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.43	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.72	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.08	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.40	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.72	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.73	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.45	
For Each SF Of 24 Gauge Wall Panel, Add	0.43	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.48	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

13 34 19 00-0023	GSF 16' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	15.18	3.61
	For 30' To 49' In Length Only, Add	1.91	
	For 50' To 69' In Length Only, Add	1.04	
	For 70' To 99' In Length Only, Add	0.43	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.46	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.76	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.14	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.48	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.82	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.88	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.64	
	For Each SF Of 24 Gauge Wall Panel, Add	0.46	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.50	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0024	GSF 18' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	15.83	3.80
	For 30' To 49' In Length Only, Add	1.98	
	For 50' To 69' In Length Only, Add	1.08	
	For 70' To 99' In Length Only, Add	0.44	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.47	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.79	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.19	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.54	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.90	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.01	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.80	
	For Each SF Of 24 Gauge Wall Panel, Add	0.48	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.52	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0025	GSF 20' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	16.43	3.98
	For 30' To 49' In Length Only, Add	2.03	
	For 50' To 69' In Length Only, Add	1.11	
	For 70' To 99' In Length Only, Add	0.46	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.49	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.82	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.23	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.60	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.97	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.12	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.94	
	For Each SF Of 24 Gauge Wall Panel, Add	0.50	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.54	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0026	GSF 24' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	18.00	4.36
	For 30' To 49' In Length Only, Add	2.22	
	For 50' To 69' In Length Only, Add	1.21	
	For 70' To 99' In Length Only, Add	0.50	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.54	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.90	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.35	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.76	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.16	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.42	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.32	
	For Each SF Of 24 Gauge Wall Panel, Add	0.54	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.58	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0027	Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings (13 34 19 00-0001) Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0028	Up To 30' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings (13 34 19 00-0027)		
13 34 19 00-0029	GSF 10' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	18.21	4.92
	For 30' To 49' In Length Only, Add	2.01	
	For 50' To 69' In Length Only, Add	1.10	
	For 70' To 99' In Length Only, Add	0.45	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.55	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.91	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.37	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.78	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.19	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.46	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.37	
	For Each SF Of 24 Gauge Wall Panel, Add	0.54	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.64	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0030 GSF 12' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	19.56	5.38
<i>For 30' To 49' In Length Only, Add</i>	2.12	
<i>For 50' To 69' In Length Only, Add</i>	1.16	
<i>For 70' To 99' In Length Only, Add</i>	0.48	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.59	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.98	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.47	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.91	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.35	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.72	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.69	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.58	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.69	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0031 GSF 14' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	20.91	5.81
<i>For 30' To 49' In Length Only, Add</i>	2.23	
<i>For 50' To 69' In Length Only, Add</i>	1.22	
<i>For 70' To 99' In Length Only, Add</i>	0.50	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.63	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.05	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.57	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.04	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.51	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.97	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	5.02	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.62	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.74	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0032 GSF 16' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	22.63	6.33
<i>For 30' To 49' In Length Only, Add</i>	2.39	
<i>For 50' To 69' In Length Only, Add</i>	1.31	
<i>For 70' To 99' In Length Only, Add</i>	0.54	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.68	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.13	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.70	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.21	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.72	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.30	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	5.43	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.67	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.80	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0033 GSF 18' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	24.15	6.82
<i>For 30' To 49' In Length Only, Add</i>	2.52	
<i>For 50' To 69' In Length Only, Add</i>	1.38	
<i>For 70' To 99' In Length Only, Add</i>	0.57	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.72	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.21	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.81	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.35	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.90	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.59	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	5.80	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.71	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.85	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0034 GSF 20' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	25.65	7.32
<i>For 30' To 49' In Length Only, Add</i>	2.64	
<i>For 50' To 69' In Length Only, Add</i>	1.44	
<i>For 70' To 99' In Length Only, Add</i>	0.60	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.77	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.28	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.92	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.50	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.08	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.87	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	6.16	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.75	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.90	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

13 34 19 00-0035	GSF 24' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	28.77	8.35
	For 30' To 49' In Length Only, Add	2.90	
	For 50' To 69' In Length Only, Add	1.58	
	For 70' To 99' In Length Only, Add	0.65	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.86	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.44	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.16	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.81	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.45	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.47	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.90	
	For Each SF Of 24 Gauge Wall Panel, Add	0.84	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	1.02	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0036	>30' To 40' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings (13 34 19 00-0027)		
13 34 19 00-0037	GSF 10' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	16.42	4.36
	For 30' To 49' In Length Only, Add	1.85	
	For 50' To 69' In Length Only, Add	1.01	
	For 70' To 99' In Length Only, Add	0.42	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.49	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.82	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.23	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.60	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.97	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.12	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.94	
	For Each SF Of 24 Gauge Wall Panel, Add	0.49	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.58	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0038	GSF 12' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	17.53	4.76
	For 30' To 49' In Length Only, Add	1.92	
	For 50' To 69' In Length Only, Add	1.05	
	For 70' To 99' In Length Only, Add	0.43	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.53	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.88	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.31	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.71	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.10	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.33	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.21	
	For Each SF Of 24 Gauge Wall Panel, Add	0.52	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.62	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0039	GSF 14' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	18.63	5.16
	For 30' To 49' In Length Only, Add	2.00	
	For 50' To 69' In Length Only, Add	1.09	
	For 70' To 99' In Length Only, Add	0.45	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.56	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.93	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.40	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.82	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.24	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.54	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.47	
	For Each SF Of 24 Gauge Wall Panel, Add	0.55	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.67	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0040	GSF 16' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	19.82	5.53
	For 30' To 49' In Length Only, Add	2.10	
	For 50' To 69' In Length Only, Add	1.15	
	For 70' To 99' In Length Only, Add	0.47	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.59	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.99	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.49	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.93	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.38	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.77	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.76	
	For Each SF Of 24 Gauge Wall Panel, Add	0.58	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.71	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0041 GSF 18' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	21.03	5.93
<i>For 30' To 49' In Length Only, Add</i>	2.20	
<i>For 50' To 69' In Length Only, Add</i>	1.20	
<i>For 70' To 99' In Length Only, Add</i>	0.50	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.63	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.05	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.58	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.05	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.52	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.00	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	5.05	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.62	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.75	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0042 GSF 20' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	22.22	6.33
<i>For 30' To 49' In Length Only, Add</i>	2.29	
<i>For 50' To 69' In Length Only, Add</i>	1.25	
<i>For 70' To 99' In Length Only, Add</i>	0.52	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.67	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.11	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.67	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.17	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.67	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.22	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	5.33	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.65	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.80	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0043 GSF 24' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	24.91	7.22
<i>For 30' To 49' In Length Only, Add</i>	2.51	
<i>For 50' To 69' In Length Only, Add</i>	1.37	
<i>For 70' To 99' In Length Only, Add</i>	0.56	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.75	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.25	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.87	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.43	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.99	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.73	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	5.98	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.73	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.89	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0044 >40' To 80' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings (13 34 19 00-0027)		
13 34 19 00-0045 GSF 10' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	14.18	3.43
<i>For 30' To 49' In Length Only, Add</i>	1.76	
<i>For 50' To 69' In Length Only, Add</i>	0.96	
<i>For 70' To 99' In Length Only, Add</i>	0.40	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.43	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.71	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.06	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.38	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.70	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.69	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	3.40	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.43	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.48	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0046 GSF 12' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	14.97	3.66
<i>For 30' To 49' In Length Only, Add</i>	1.84	
<i>For 50' To 69' In Length Only, Add</i>	1.00	
<i>For 70' To 99' In Length Only, Add</i>	0.41	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.45	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.75	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.12	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.46	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.80	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.84	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	3.59	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.45	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.50	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0047	GSF		14' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	15.71	3.89
			For 30' To 49' In Length Only, Add	1.90	
			For 50' To 69' In Length Only, Add	1.04	
			For 70' To 99' In Length Only, Add	0.43	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.47	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.79	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.18	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.53	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.89	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.98	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.77	
			For Each SF Of 24 Gauge Wall Panel, Add	0.47	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.53	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0048	GSF		16' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	16.53	4.12
			For 30' To 49' In Length Only, Add	1.99	
			For 50' To 69' In Length Only, Add	1.08	
			For 70' To 99' In Length Only, Add	0.45	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.50	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.83	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.24	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.61	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.98	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.14	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.97	
			For Each SF Of 24 Gauge Wall Panel, Add	0.50	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.55	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0049	GSF		18' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	17.54	4.41
			For 30' To 49' In Length Only, Add	2.10	
			For 50' To 69' In Length Only, Add	1.14	
			For 70' To 99' In Length Only, Add	0.47	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.53	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.88	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.32	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.71	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.10	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.33	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.21	
			For Each SF Of 24 Gauge Wall Panel, Add	0.53	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.58	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0050	GSF		20' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	18.47	4.65
			For 30' To 49' In Length Only, Add	2.21	
			For 50' To 69' In Length Only, Add	1.20	
			For 70' To 99' In Length Only, Add	0.50	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.55	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.92	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.39	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.80	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.22	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.51	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.43	
			For Each SF Of 24 Gauge Wall Panel, Add	0.55	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.61	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0051	GSF		24' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	20.63	5.28
			For 30' To 49' In Length Only, Add	2.42	
			For 50' To 69' In Length Only, Add	1.32	
			For 70' To 99' In Length Only, Add	0.54	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.62	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.03	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.55	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.01	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.48	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.92	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.95	
			For Each SF Of 24 Gauge Wall Panel, Add	0.62	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.68	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0052			Single Post 2-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0001)		
			Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0053			Up To 60' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0052)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0054 GSF 14' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	14.93	4.04
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.45	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.75	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.12	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.46	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.79	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.84	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	3.58	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.44	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.54	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0055 GSF 16' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	15.95	4.31
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.48	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.80	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.20	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.56	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.91	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.03	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	3.83	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.47	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.57	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0056 GSF 18' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	16.74	4.55
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.50	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.84	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.26	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.63	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.01	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.18	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.02	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.50	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.60	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0057 GSF 20' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	16.42	4.22
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.49	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.82	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.23	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.60	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.97	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.12	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	3.94	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.49	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.56	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0058 GSF 24' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	17.79	4.59
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.53	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.89	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.33	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.73	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.13	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.38	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.27	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.53	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.61	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0059 >60' To 80' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings		
<small>(13 34 19 00-0052)</small>		
13 34 19 00-0060 GSF 14' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	13.82	3.56
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.41	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.69	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.04	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.35	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.66	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.63	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	3.32	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.41	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.49	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	

13 Special Construction

13 30 Special Structures

13 34 Fabricated Engineered Structures



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34	19 00-0061	GSF	16' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	14.70	3.80
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.44	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.74	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.10	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.43	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.76	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.79	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	3.53	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.44	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.52	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34	19 00-0062	GSF	18' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	15.50	4.04
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.47	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.78	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.16	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.51	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.86	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.95	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	3.72	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.46	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.54	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34	19 00-0063	GSF	20' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	16.20	4.22
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.49	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.81	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.22	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.58	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.94	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.08	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	3.89	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.48	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.56	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34	19 00-0064	GSF	24' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	17.54	4.59
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.53	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.88	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.32	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.71	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.10	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.33	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.21	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.52	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.61	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0065 >80' To 100' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings <small>(13 34 19 00-0052)</small>					
13 34	19 00-0066	GSF	14' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	12.78	3.14
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.38	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.64	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	0.96	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.25	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.53	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.43	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	3.07	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.38	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.45	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34	19 00-0067	GSF	16' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	13.38	3.28
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.40	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.67	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.00	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.30	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.61	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.54	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	3.21	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.40	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.46	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0068 GSF 18' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	14.10	3.47
For >1 In 12 Slope To 3 In 12 Slope, Add	0.42	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.71	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.06	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.37	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.69	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.68	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.38	
For Each SF Of 24 Gauge Wall Panel, Add	0.42	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.48	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0069 GSF 20' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	14.70	3.61
For >1 In 12 Slope To 3 In 12 Slope, Add	0.44	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.74	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.10	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.43	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.76	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.79	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.53	
For Each SF Of 24 Gauge Wall Panel, Add	0.44	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.50	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0070 GSF 24' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	15.92	3.94
For >1 In 12 Slope To 3 In 12 Slope, Add	0.48	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.80	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.19	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.55	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.91	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.02	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.82	
For Each SF Of 24 Gauge Wall Panel, Add	0.48	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.53	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0071 >100' To 120' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0052)		
13 34 19 00-0072 GSF 14' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	12.43	3.00
For >1 In 12 Slope To 3 In 12 Slope, Add	0.37	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.62	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.93	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.21	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.49	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.36	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.98	
For Each SF Of 24 Gauge Wall Panel, Add	0.38	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.43	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0073 GSF 16' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	12.94	3.14
For >1 In 12 Slope To 3 In 12 Slope, Add	0.39	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.65	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.97	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.26	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.55	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.46	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.11	
For Each SF Of 24 Gauge Wall Panel, Add	0.39	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.45	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0074 GSF 18' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	13.53	3.28
For >1 In 12 Slope To 3 In 12 Slope, Add	0.41	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.68	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.01	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.32	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.62	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.57	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.25	
For Each SF Of 24 Gauge Wall Panel, Add	0.41	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.46	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction

13 30 Special Structures

13 34 Fabricated Engineered Structures



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34	19 00-0075	GSF	20' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	14.09	3.43
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.42	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.70	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.06	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.37	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.69	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.68	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.38	
			For Each SF Of 24 Gauge Wall Panel, Add	0.42	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.48	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0076	GSF	24' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	15.29	3.70
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.46	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.76	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.15	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.49	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.83	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.91	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.67	
			For Each SF Of 24 Gauge Wall Panel, Add	0.46	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.51	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0077		Double Post 3-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0001)		
			Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34	19 00-0078		Up To 120' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0077)		
13 34	19 00-0079	GSF	14' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	12.37	3.14
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.37	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.62	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.93	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.21	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.48	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.35	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.97	
			For Each SF Of 24 Gauge Wall Panel, Add	0.37	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.45	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0080	GSF	16' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	12.85	3.28
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.39	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.64	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.96	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.25	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.54	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.44	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.08	
			For Each SF Of 24 Gauge Wall Panel, Add	0.38	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.46	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0081	GSF	18' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	12.89	3.19
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.39	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.64	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.97	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.26	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.55	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.45	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.09	
			For Each SF Of 24 Gauge Wall Panel, Add	0.39	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.45	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0082	GSF	20' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	13.41	3.33
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.40	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.67	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.01	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.31	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.61	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.55	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.22	
			For Each SF Of 24 Gauge Wall Panel, Add	0.40	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.47	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0083 GSF 24' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	15.03	3.56
For >1 In 12 Slope To 3 In 12 Slope, Add	0.45	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.75	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.13	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.47	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.80	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.86	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.61	
For Each SF Of 24 Gauge Wall Panel, Add	0.45	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.49	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0084 >120' To 150' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings <small>(13 34 19 00-0077)</small>		
13 34 19 00-0085 GSF 14' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	11.65	2.86
For >1 In 12 Slope To 3 In 12 Slope, Add	0.35	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.58	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.87	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.14	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.40	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.21	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.80	
For Each SF Of 24 Gauge Wall Panel, Add	0.35	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.41	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0086 GSF 16' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	12.05	2.95
For >1 In 12 Slope To 3 In 12 Slope, Add	0.36	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.60	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.90	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.17	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.45	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.29	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.89	
For Each SF Of 24 Gauge Wall Panel, Add	0.36	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.43	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0087 GSF 18' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	12.51	3.07
For >1 In 12 Slope To 3 In 12 Slope, Add	0.38	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.63	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.94	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.22	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.50	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.38	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.00	
For Each SF Of 24 Gauge Wall Panel, Add	0.38	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.44	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0088 GSF 20' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	12.96	3.19
For >1 In 12 Slope To 3 In 12 Slope, Add	0.39	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.65	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.97	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.26	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.56	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.46	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.11	
For Each SF Of 24 Gauge Wall Panel, Add	0.39	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.45	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0089 GSF 24' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	14.55	3.43
For >1 In 12 Slope To 3 In 12 Slope, Add	0.44	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.73	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.09	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.42	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.75	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.76	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.49	
For Each SF Of 24 Gauge Wall Panel, Add	0.44	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.48	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0090 Triple Post 4-Span Frame Pre-Engineered Metal Buildings <small>(13 34 19 00-0001)</small>		
Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0091 Up To 160' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building <small>(13 34 19 00-0090)</small>		

13 Special Construction

13 30 Special Structures

13 34 Fabricated Engineered Structures



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34	19 00-0092	GSF	14' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	11.19	2.72
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.34	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.56	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	0.84	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.09	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.34	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.13	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	2.69	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.34	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.40	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34	19 00-0093	GSF	16' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	11.65	2.82
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.35	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.58	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	0.87	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.14	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.40	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.21	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	2.80	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.35	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.41	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34	19 00-0094	GSF	18' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	12.04	2.90
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.36	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.60	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	0.90	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.17	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.44	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.29	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	2.89	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.36	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.42	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34	19 00-0095	GSF	20' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	12.42	3.00
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.37	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.62	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	0.93	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.21	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.49	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.36	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	2.98	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.37	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.43	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34	19 00-0096	GSF	24' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	14.04	3.28
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.42	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.70	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.05	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.37	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.68	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.67	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	3.37	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.43	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.46	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34	19 00-0097		>160' To 180' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building		
			<small>(13 34 19 00-0090)</small>		
13 34	19 00-0098	GSF	14' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	11.01	2.63
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.33	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.55	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	0.83	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.07	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.32	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.09	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	2.64	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.33	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.39	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0099 GSF 16' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding.....	11.41	2.72
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.34	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.57	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	0.86	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.11	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.37	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.17	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	2.74	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.34	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.40	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0100 GSF 18' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding.....	11.84	2.82
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.36	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.59	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	0.89	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.15	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.42	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.25	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	2.84	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.36	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.41	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0101 GSF 20' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding.....	12.23	2.90
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.37	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.61	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	0.92	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.19	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.47	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.32	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	2.94	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.37	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.42	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0102 GSF 24' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding.....	13.77	3.14
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.41	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.69	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.03	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.34	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.65	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.62	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	3.30	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.42	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.45	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0103 >180' To 200' Wide Triple Post 4-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0090)		
13 34 19 00-0104 GSF 14' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding.....	10.87	2.53
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.33	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.54	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	0.82	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.06	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.30	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.07	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	2.61	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.33	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.38	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0105 GSF 16' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding.....	11.18	2.63
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.34	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.56	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	0.84	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.09	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.34	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.12	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	2.68	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.34	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.39	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	

13 Special Construction

13 30 Special Structures

13 34 Fabricated Engineered Structures



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0106 GSF 18' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	11.62	2.72
For >1 In 12 Slope To 3 In 12 Slope, Add	0.35	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.58	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.87	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.13	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.39	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.21	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.79	
For Each SF Of 24 Gauge Wall Panel, Add	0.35	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.40	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0107 GSF 20' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	12.05	2.82
For >1 In 12 Slope To 3 In 12 Slope, Add	0.36	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.60	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.90	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.17	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.45	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.29	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.89	
For Each SF Of 24 Gauge Wall Panel, Add	0.37	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.41	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0108 GSF 24' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	13.59	3.05
For >1 In 12 Slope To 3 In 12 Slope, Add	0.41	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.68	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.02	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.33	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.63	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.58	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.26	
For Each SF Of 24 Gauge Wall Panel, Add	0.41	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.44	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0109 Metal Building Options (13 34 19 00-0001)		
Note: For use with metal buildings only. See CSI section 08 12 13 13-0000 for metal door frames, 08 13 13 13-0000 for metal doors, 08 33 23 00-0000 for coiling roll-up doors, 08 36 13 00-0000 for sectional doors, 08 51 13 00-0065 for sliding windows, 08 71 11 00-0000 for door hardware.		
13 34 19 00-0110 Metal Framing For Rough Openings (13 34 19 00-0109)		
13 34 19 00-0111 EA Single Door, Metal Frame Rough Opening	383.70	105.03
13 34 19 00-0112 EA Double Door, Metal Frame Rough Opening	577.83	135.98
13 34 19 00-0113 EA 10' x 10' Overhead Door, Metal Frame Rough Opening	671.95	128.94
13 34 19 00-0114 EA 12' x 12' Overhead Door, Metal Frame Rough Opening	723.87	131.29
13 34 19 00-0115 EA 14' x 14' Overhead Door, Metal Frame Rough Opening	767.53	135.98
13 34 19 00-0116 EA Up To 12 SF, Window Opening, Metal Frame Rough Opening	370.35	105.03
13 34 19 00-0117 EA >12 To 18 SF, Window Opening, Metal Frame Rough Opening	416.33	119.38
13 34 19 00-0118 LF Additional Girts	9.75	
13 34 19 00-0119 Wall Panel Options For Metal Buildings (13 34 19 00-0109)		
Note: Upgrade from 26 gauge wall panels.		
13 34 19 00-0120 SF Upgrade To 2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile	8.93	
Note: 24 gauge exterior and 24 gauge interior panels.		
For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
For Premium Exterior Colors, Add	0.12	
13 34 19 00-0121 SF Upgrade To 2-1/2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile	11.03	
Note: 24 gauge exterior and 24 gauge interior panels.		
For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
For Premium Exterior Colors, Add	0.12	
13 34 19 00-0122 SF Upgrade To 3" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile	12.94	
Note: 24 gauge exterior and 24 gauge interior panels.		
For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
For Premium Exterior Colors, Add	0.12	
13 34 19 00-0123 SF Upgrade To 4" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile	15.20	
Note: 24 gauge exterior and 24 gauge interior panels.		
For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
For Premium Exterior Colors, Add	0.12	
13 34 19 00-0124 Roofing Options For Metal Buildings (13 34 19 00-0109)		
Note: Upgrade from 26 gauge standing seam roof panels.		
13 34 19 00-0125 SF Upgrade To 24 Gauge Galvanized Steel Standing Seam Roof	0.84	
13 34 19 00-0126 SF Upgrade To 4" Thick Insulated Roof Panel, Metal-Span III, CFR-42	14.79	
Note: 24 gauge exterior and 24 gauge interior panels.		
For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
For Premium Exterior Colors, Add	0.12	
13 34 19 00-0127 SF Upgrade To 5" Thick Insulated Roof Panel, Metal-Span III, CFR-42	15.81	
Note: 24 gauge exterior and 24 gauge interior panels.		
For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
For Premium Exterior Colors, Add	0.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0128 SF Upgrade To 6" Thick Insulated Roof Panel, Metal-Span III, CFR-42 16.65 Note: 24 gauge exterior and 24 gauge interior panels. <i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i> 0.24 <i>For Premium Exterior Colors, Add</i> 0.12		
13 34 19 00-0129 EA 3' x 10' Translucent Fiberglass Panels 140.40		40.32
13 34 19 00-0130 LF Vented Ridge Vent For Standing Seam Roof 18.52		
13 34 19 00-0131 Insulation For Metal Buildings <small>(13 34 19 00-0109)</small>		
13 34 19 00-0132 SF 1-1/2" Thick, R-5.5, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation..... 1.07		0.28
13 34 19 00-0133 SF 2-1/2" Thick, R-8, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation..... 1.19		0.28
13 34 19 00-0134 SF 3-1/2" Thick, R-11, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation..... 1.36		0.37
13 34 19 00-0135 SF 3-1/2" Thick, R-13, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation..... 1.58		0.37
13 34 19 00-0136 SF 6" Thick, R-19, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation..... 2.00		0.37
13 34 19 00-0137 SF 1-1/2" Thick, R-5.5, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation 1.32		0.28
13 34 19 00-0138 SF 2-1/2" Thick, R-8, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation 1.44		0.28
13 34 19 00-0139 SF 3-1/2" Thick, R-11, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation 1.56		0.37
13 34 19 00-0140 SF 3-1/2" Thick, R-13, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation 1.73		0.37
13 34 19 00-0141 SF 6" Thick, R-19, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation 2.07		0.37
13 34 19 00-0142 SF 1-1/2" Thick, R-5.5, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation 1.25		0.28
13 34 19 00-0143 SF 2-1/2" Thick, R-8, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation 1.39		0.28
13 34 19 00-0144 SF 3-1/2" Thick, R-11, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation 1.67		0.37
13 34 19 00-0145 SF 3-1/2" Thick, R-13, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation 1.83		0.37
13 34 19 00-0146 SF 6" Thick, R-19, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation..... 2.15		0.37
13 34 19 00-0147 SF 2" Thick, R-6.5, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation 1.15		0.28
13 34 19 00-0148 SF 3" Thick, R-10, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation 1.22		0.28
13 34 19 00-0149 SF 4" Thick, R-13, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation 1.39		0.37
13 34 19 00-0150 SF 6" Thick, R-19, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation 1.73		0.37
13 34 19 00-0151 SF 2" Thick, R-6.5, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation..... 1.17		0.28
13 34 19 00-0152 SF 3" Thick, R-10, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation..... 1.24		0.28
13 34 19 00-0153 SF 4" Thick, R-13, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation..... 1.41		0.37
13 34 19 00-0154 SF 6" Thick, R-19, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation..... 1.77		0.37
13 34 19 00-0155 SF 2" Thick, R-6.5, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation..... 1.58		0.28
13 34 19 00-0156 SF 3" Thick, R-10, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation..... 1.69		0.28
13 34 19 00-0157 SF 4" Thick, R-13, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation 1.86		0.37
13 34 19 00-0158 SF 6" Thick, R-19, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation..... 2.22		0.37
13 34 19 00-0159 Eave And Overhang Options For Metal Buildings <small>(13 34 19 00-0109)</small>		
13 34 19 00-0160 LF 2' End Wall Roof Overhang And 26 Gauge Soffit 28.09		7.32
13 34 19 00-0161 LF 4' End Wall Roof Overhang And 26 Gauge Soffit 42.09		5.25
13 34 19 00-0162 SF Up To 20 SF, Prefinished Aluminum, Wall Hung Canopy 58.28		11.72
Note: Up to 7' projection from wall. Includes finished underside and edges. <i>For End Braced (Up To 16' Wall Projection), Add</i> 13.40 <i>For Overhead Braced (Up To 10' Wall Projection), Add</i> 7.57		
13 34 19 00-0163 SF >20 To 50 SF, Prefinished Aluminum, Wall Hung Canopy 48.71		9.85
Note: Up to 7' projection from wall. Includes finished underside and edges. <i>For End Braced (Up To 16' Wall Projection), Add</i> 11.19 <i>For Overhead Braced (Up To 10' Wall Projection), Add</i> 6.32		
13 34 19 00-0164 SF >50 SF, Prefinished Aluminum, Wall Hung Canopy 37.54		8.44
Note: Up to 7' projection from wall. Includes finished underside and edges. <i>For End Braced (Up To 16' Wall Projection), Add</i> 8.54 <i>For Overhead Braced (Up To 10' Wall Projection), Add</i> 4.79		
13 34 19 00-0165 SF Up To 50 SF, Prefinished Aluminum, Free Standing Canopy 73.28		17.82
Note: Includes finished underside and edges.		
13 34 19 00-0166 SF >50 SF, Prefinished Aluminum, Free Standing Canopy..... 48.51		10.79
Note: Includes finished underside and edges.		
13 34 19 00-0167 LF 1' Standard Eave Overhang Without Soffit 28.34		
13 34 19 00-0168 LF 2' Standard Eave Overhang Without Soffit 35.41		
13 34 19 00-0169 LF 3' Standard Eave Overhang Without Soffit 42.74		
13 34 19 00-0170 LF 4' Standard Eave Overhang Without Soffit 49.95		
13 34 19 00-0171 LF 6' Standard Eave Overhang Without Soffit 63.72		
13 34 19 00-0172 LF 1' Standard Eave Overhang And 26 Gauge Soffit 37.52		
<i>For 24 Gauge, Add</i> 3.83		
13 34 19 00-0173 LF 2' Standard Eave Overhang And 26 Gauge Soffit 46.80		
<i>For 24 Gauge, Add</i> 4.83		
13 34 19 00-0174 LF 3' Standard Eave Overhang And 26 Gauge Soffit 56.37		
<i>For 24 Gauge, Add</i> 5.78		
13 34 19 00-0175 LF 4' Standard Eave Overhang And 26 Gauge Soffit 65.92		
<i>For 24 Gauge, Add</i> 6.74		
13 34 19 00-0176 LF 6' Standard Eave Overhang And 26 Gauge Soffit 84.13		
<i>For 24 Gauge, Add</i> 8.69		
13 34 19 00-0177 Louvers And Vents For Metal Buildings <small>(13 34 19 00-0109)</small>		
13 34 19 00-0178 EA 4' x 3' Fixed Louver 479.46		146.29
13 34 19 00-0179 EA 12" Rotary Vent With Damper..... 293.82		93.77
13 34 19 00-0180 EA 20" Rotary Vent With Damper..... 495.77		125.19
13 34 19 00-0181 EA 24" Rotary Vent With Damper..... 642.93		140.67
13 34 19 00-0182 EA Gravity Ridge Ventilator With Birdscreen, 9" Throat x 10'..... 751.46		187.56
13 34 19 00-0183 EA Gravity Ridge Ventilator With Birdscreen, 12" Throat x 10'..... 794.30		187.56
13 34 19 00-0184 EA Ridge Ventilator - 9" Throat X 10 Ft, Manually Operated Damper With Birdscreen..... 906.43		187.56

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0185 EA Ridge Ventilator - 12" Throat X 10 Ft, Manually Operated Damper With Birdscreen	980.23	187.56
13 34 19 00-0186 EA Ridge Ventilator - 15" Throat X 10 Ft, Manually Operated Damper With Birdscreen	1,061.40	187.56
13 34 19 00-0187 EA Ridge Ventilator - 18" Throat X 10 Ft, Manually Operated Damper With Birdscreen	1,142.58	187.56
13 34 19 00-0188 EA Ridge Ventilator - 9" Throat X 10 Ft, Motor Operated Damper With Birdscreen	1,494.64	234.44
13 34 19 00-0189 EA Ridge Ventilator - 12" Throat X 10 Ft, Motor Operated Damper With Birdscreen	1,627.47	234.44
13 34 19 00-0190 Gutters And Downspouts For Metal Buildings (13 34 19 00-0109)		
13 34 19 00-0191 LF Pre-Engineered Standard Type Gutter, Painted	8.55	2.34
<i>For Galvanized Instead Of Painted, Deduct</i>	-0.97	
13 34 19 00-0192 LF Pre-Engineered Standard Type Downspout, Painted	8.10	3.28
<i>For Galvanized Instead Of Painted, Deduct</i>	-0.39	
13 34 23 Fabricated Structures (13 34)		
13 34 23 13 Portable And Mobile Buildings (13 34 23)		
Note: Includes material, delivery to site, factory design analysis and report, shop drawings and assembly of building on site. Tie down with hurricane anchors on approved foundation. Excludes utility hook-ups and foundation.		
13 34 23 13-0001 Prefabricated Signal, Communication Or Electrical Building (13 34 23 13)		
Note: Complete, includes door, roof, lights and wiring, insulation, painted.		
13 34 23 13-0002 SF 15 SF To 29 SF Prefabricated Signal, Communication Or Electrical Building	373.17	
13 34 23 13-0003 SF 30 SF To 49 SF Prefabricated Signal, Communication Or Electrical Building	320.12	
13 34 23 13-0004 SF 50 SF To 79 SF Prefabricated Signal, Communication Or Electrical Building	256.25	
13 34 23 13-0005 SF 80 SF To 99 SF Prefabricated Signal, Communication Or Electrical Building	202.73	
13 34 23 13-0006 SF 100 SF To 144 SF Prefabricated Signal, Communication Or Electrical Building	181.16	
13 34 23 13-0007 Relocate Trailer Within 5 Miles (13 34 23 13)		
Note: Includes removal of tie-downs and underpins. Set-up tie-downs.		
13 34 23 13-0008 EA Relocate Single Trailer Within 5 Miles	930.85	
13 34 23 13-0009 SF Install Under-Pinning.....	2.80	
13 34 23 13-0010 Temporary Trailers 1 To 6 Years Life (13 34 23 13)		
Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, phone jacks, two wooden landings, stairs, and handrails. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.		
13 34 23 13-0011 SF Single Trailer Up To 14' x 73'	37.35	
<i>For Each Delivery And Set-Up (Block And Level), Add</i>	1,177.90	
<i>For Each Knock-Down And Pick-Up, Add</i>	897.90	
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00	
13 34 23 13-0012 SF Modular Trailers, Connected.....	52.28	
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00	
<i>For Each Delivery And Set-Up (Block And Level), Add</i>	2,601.52	
<i>For Each Knock-Down And Pick-Up, Add</i>	1,951.52	
13 34 23 13-0013 EA Add Per Additional Exterior Door With Frame And Hardware	560.19	
13 34 23 13-0014 Accessories (13 34 23 13)		
13 34 23 13-0015 Skirting (13 34 23 13-0014)		
Note: Includes 2" x 4" wood framing 16" on center.		
13 34 23 13-0016 Vinyl Covered, Exterior Only (13 34 23 13-0015)		
13 34 23 13-0017 SF 1'-8" High Vinyl Covered Skirt.....	3.83	1.65
13 34 23 13-0018 SF 3' High Vinyl Covered Skirt	5.79	2.72
13 34 23 13-0019 Fiberglass, Exterior Only (13 34 23 13-0015)		
13 34 23 13-0020 SF 1'-8" High Fiberglass Skirt.....	7.41	3.11
13 34 23 13-0021 SF 3' High Fiberglass Skirt.....	8.67	3.79
13 34 23 13-0022 Plywood, Exterior Only (13 34 23 13-0015)		
13 34 23 13-0023 SF 1'-8" High 5/8" Plywood Skirt	6.86	3.30
13 34 23 13-0024 SF 3' High 5/8" Plywood Skirt.....	8.15	3.98
13 34 23 13-0025 Steel, Painted, Exterior Only (13 34 23 13-0015)		
13 34 23 13-0026 SF 1'-8" High 26 Gauge Steel Skirt	7.50	3.11
13 34 23 13-0027 SF 3' High 26 Ga. Steel Skirt.....	8.80	3.79
13 34 23 13-0028 14" x 14" Access Hatch (13 34 23 13-0014)		
Note: Simple design.		
13 34 23 13-0029 EA 14" x 14" Vinyl Covered Access Hatch	187.14	72.87
13 34 23 13-0030 EA 14" x 14" Fiberglass Access Hatch	175.15	72.87
13 34 23 13-0031 EA 14" x 14" Plywood Access Hatch	186.08	72.87
13 34 23 13-0032 EA 14" x 14" 26 Gauge Steel Access Hatch.....	186.95	72.87



Special Construction	13
Special Structures	13 30
Fabricated Engineered Structures	13 34

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 23 13-0033 Aluminum Modular Access Ramp <small>(13 34 23 13-0014)</small>		
Note: Includes picketed guardrails, inside grabrails, legs and hardware.		
13 34 23 13-0034 EA 72" Long x 52-1/4" Wide Ramp Section, Aluminum Modular Access Ramp	2,067.80	24.29
13 34 23 13-0035 EA 60-1/4" Long x 61-3/4" Wide Door Landing Section, Aluminum Modular Access Ramp	2,096.95	31.58
13 34 23 13-0036 EA 60-1/4" Long x 123-1/2" Wide Switchback Landing Section, Aluminum Modular Access Ramp	4,298.03	48.58
13 34 23 13-0037 EA 110-3/4" Long x 72" Wide Switchback Landing Section, Aluminum Modular Access Ramp	4,626.98	48.58
13 34 23 13-0038 EA 60-1/4" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	2,179.19	31.58
13 34 23 13-0039 EA 71-3/4" Long x 52-1/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	2,150.04	24.29
13 34 23 13-0040 EA 84-1/2" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	2,999.51	31.58
13 34 23 13-0041 EA 30" High x 82" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	2,139.09	31.58
13 34 23 13-0042 EA 35" High x 96" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	2,139.09	31.58
13 34 23 13-0043 EA 42" High x 110" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	2,430.01	31.58
13 34 23 13-0044 EA 49" High x 124" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	2,718.88	31.58
13 34 23 14 Fabricated Classroom Buildings <small>(13 34 23)</small>		
13 34 23 14-0001 Semi Permanent Modular Transportable Buildings <small>(13 34 23 14)</small>		
13 34 23 14-0002 SF Portable Classrooms, Complete With Doors, Windows, Fixtures, Toilets And Workroom	55.65	
For Each Anchoring Into Asphalt Or Concrete, Add	110.00	
For Each Delivery And Set-Up (Block And Level), Add	2,601.52	
For Each Knock-Down And Pick-Up, Add	1,951.52	
13 34 23 14-0003 SF Modular Classroom, Connected, Complete With Doors, Windows, Fixtures, Toilets And Teachers Work Room	57.29	
For Each Anchoring Into Asphalt Or Concrete, Add	110.00	
For Each Delivery And Set-Up (Block And Level), Add	2,601.52	
For Each Knock-Down And Pick-Up, Add	1,951.52	
13 34 23 16 Fabricated Control Booths <small>(13 34 23)</small>		
13 34 23 16-0001 Fabricated Parking Attendant Booths <small>(13 34 23 16)</small>		
Note: Excludes foundations and slab.		
13 34 23 16-0002 EA Parking Booth For Attendant	1,012.03	
13 34 23 31 Fabricated Pavilion Style Buildings <small>(13 34 23)</small>		
13 34 23 31-0001 Pavilion Style Metal Shelter Structures <small>(13 34 23 31)</small>		
Note: Prefabricated open structure system, complete with all necessary hardware. Hip roof, steel structural rafters and columns, urethane/polyester (TGIC) powder finish, aluminum roof decking, 8' height at perimeter. Excludes foundations and slab. Americana or equal.		
13 34 23 31-0002 EA 12' x 12' Metal Shelter Structure	9,258.12	1,798.28
13 34 23 31-0003 EA 16' x 16' Metal Shelter Structure	10,874.72	1,876.49
13 34 23 31-0004 EA 16' x 32' Metal Shelter Structure	13,874.78	2,001.58
13 34 23 31-0005 EA 20' x 20' Metal Shelter Structure	13,031.80	1,939.04
13 34 23 31-0006 EA 20' x 30' Metal Shelter Structure	16,125.18	2,126.68
13 34 23 31-0007 EA 20' x 40' Metal Shelter Structure	19,219.11	2,189.23
13 34 23 31-0008 EA 24' x 24' Metal Shelter Structure	15,937.21	2,001.58
13 34 23 31-0009 EA 24' x 48' Metal Shelter Structure	22,500.40	2,501.98
13 34 23 31-0010 EA 30' x 30' Metal Shelter Structure	21,629.11	2,501.98
13 34 23 31-0011 EA 30' x 60' Metal Shelter Structure	43,049.94	3,127.47
13 34 23 31-0012 EA 40' x 40' Metal Shelter Structure	39,830.40	3,908.64
13 34 23 31-0013 EA 40' x 60' Metal Shelter Structure	57,712.50	4,378.47
13 40 Integrated Construction <small>(13)</small>		
13 42 Building Modules <small>(13 40)</small>		
13 42 63 Detention Cell Modules <small>(13 42)</small>		
13 42 63 16 Steel Detention Cell Modules <small>(13 42 63)</small>		
13 42 63 16-0001 EA Bar Front, Rolling, 7/8" Bars, 4" On Center, 7' High, 5' Wide	12,137.53	725.89
Note: With hardware.		
13 42 63 16-0002 EA Cells, Prefabricated, 5'-6" Wide, 7'-8" High, Bar Front, Cot	18,246.89	971.98
Note: Not including plumbing.		
13 42 63 16-0003 SF Temporary Holding Cell, 1/4" Woven Rod Panels On 2" Centers	79.11	6.88
Note: Includes 12 gauge steel frame and concealment plates.		
13 42 63 16-0004 SF Solid Security Ceiling, 14 Gauge Formed Steel Channels	60.39	6.88
Note: 20" wide, 14 gauge galvanized steel face sheet, 10 gauge steel wall angle, backed polyester powder finish.		
13 42 63 16-0005 SF Perforated Metal Crime Shield	56.00	2.84
13 47 Facility Protection <small>(13 40)</small>		
13 47 13 Cathodic Protection <small>(13 47)</small>		
13 47 13 13 Cathodic Protection for Underground and Submerged Piping <small>(13 47 13)</small>		
13 47 13 13-0001 Anodes <small>(13 47 13 13)</small>		

13 Special Construction**13 40 Integrated Construction****13 47 Facility Protection**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 47 13 13-0002 Magnesium Type, Conventional (13 47 13 13-0001)		
13 47 13 13-0003 EA 9 LB Magnesium Type Anodes.....	296.03	136.46
13 47 13 13-0004 EA 17 LB Magnesium Type Anodes.....	434.76	197.23
13 47 13 13-0005 EA 32 LB Magnesium Type Anode.....	580.50	253.73
13 47 13 13-0006 EA 48 LB Magnesium Type Anode.....	821.52	355.01
13 47 13 13-0007 Graphite Type (13 47 13 13-0001)		
Note: Includes epoxy cap.		
13 47 13 13-0008 EA 3" x 60" (32 LB) Graphite Type Anodes With Epoxy Cap.....	440.54	195.85
13 47 13 13-0009 EA 4" x 80" (68 LB) Graphite Type Anodes With Epoxy Cap.....	660.46	273.49
13 47 13 13-0010 EA 6" x 36" (45 LB) Graphite Type Anodes With Epoxy Cap.....	467.69	171.15
13 47 13 13-0011 EA 6" x 72" (80 LB) Graphite Type Anodes With Epoxy Cap.....	688.10	228.49
13 47 13 13-0012 Rectifiers (13 47 13 13)		
13 47 13 13-0013 Air Cooled, Silicon Type (13 47 13 13-0012)		
13 47 13 13-0014 EA Air Cooled Rectifiers, 28 Volt, 10 Amp Silicon Type.....	1,341.69	277.92
13 47 13 13-0015 EA Air Cooled Rectifiers, 20 Volt / 20 Amp Silicon Type.....	1,439.78	277.92
13 47 13 13-0016 Oil Immersed, Silicon Type (13 47 13 13-0012)		
13 47 13 13-0017 EA Oil Immersed Rectifiers, 28 Volt, 10 Amp Silicon Type.....	1,973.44	321.35
13 47 13 13-0018 EA Oil Immersed Rectifiers, 20 Volt / 20 Amp Silicon Type.....	2,078.54	321.35
13 47 13 13-0019 Anode Backfill (13 47 13 13)		
13 47 13 13-0020 LB Anode Backfill, Coke Breeze.....	0.89	0.35
13 47 13 13-0021 Cathodic Protection Cable (13 47 13 13)		
13 47 13 13-0022 MLF Cathodic Protection Cable, OR2 - No 8.....	1,710.23	684.61
13 47 13 13-0023 MLF Cathodic Protection Cable, OR2 - No 6.....	1,861.28	684.61
13 47 13 13-0024 MLF Cathodic Protection Cable, OR2 - No 4.....	2,087.84	684.61
13 47 13 13-0025 MLF Cathodic Protection Cable, OR2 - No 2.....	2,465.44	684.61
13 47 13 13-0026 MLF Cathodic Protection Cable, OR2 - No 1.....	3,016.34	754.30
13 47 13 13-0027 MLF Cathodic Protection Cable, OR2-No 1/0.....	3,299.54	754.30
13 47 13 13-0028 MLF Cathodic Protection Cable, OR2-No 2/0.....	3,771.55	754.30
13 47 13 13-0029 MLF Cathodic Protection Cable, OR2-No 4/0.....	5,039.64	822.23
13 47 13 13-0030 Cathodic Test Stations (13 47 13 13)		
13 47 13 13-0031 Flush Curb Box Type With Lockable Cover And Terminal Box (13 47 13 13-0030)		
13 47 13 13-0032 EA Cathodic Test Station, Flush Curb Type With Lockable Cover.....	209.43	80.09
13 47 13 16 Cathodic Protection For Underground Storage Tanks (13 47 13)		
See CSI section 13 47 13 13-0000 for cathodic protection for tanks.		
13 48 Sound, Vibration, And Seismic Control (13 40)		
13 48 63 Fabricated Seismic Control Assemblies (13 48)		
13 48 63 00-0001 Seismic Bracing Assembly (13 48 63)		
13 48 63 00-0002 EA 4-Bolt Deck Anchor Connection For Seismic Brace.....	129.61	
Note: Includes drilling into concrete, bolts, anchor plate, seismic bracket attached with bolt, nut and washer.		
13 48 63 00-0003 EA 2 Cable Seismic Brace With Center Threaded Rod Stiffener.....	121.64	
Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0004 EA 3 Cable Seismic Brace With Center Threaded Rod Stiffener.....	182.63	
Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0005 EA 4 Cable Seismic Brace With Center Threaded Rod Stiffener.....	236.31	
Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0006 EA 2 Channel Seismic Brace With Center Threaded Rod Stiffener.....	228.16	
Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0007 EA 3 Channel Seismic Brace With Center Threaded Rod Stiffener.....	338.74	
Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0008 EA 4 Channel Seismic Brace With Center Threaded Rod Stiffener.....	449.34	
Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0009 EA 2 Rod Seismic Brace With Center Threaded Rod Stiffener.....	148.78	
Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0010 EA 3 Rod Seismic Brace With Center Threaded Rod Stiffener.....	219.68	
Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0011 EA 4 Rod Seismic Brace With Center Threaded Rod Stiffener.....	290.60	
Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0012 Seismic Brace Components (13 48 63)		
13 48 63 00-0013 EA 1/8" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-1.....	22.30	
Note: To be used with 7x19 stranded cable.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 48 63 00-0014 EA 3/16" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-2..... Note: To be used with 7x19 stranded cable.	29.58	
13 48 63 00-0015 EA 1/4" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-3..... Note: To be used with 7x19 stranded cable.	38.33	
13 48 63 00-0016 EA 3/8" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-4..... Note: To be used with 7x19 stranded cable.	51.43	
13 48 63 00-0017 EA Seismic Solid Brace Swivel Anchor; Mason SSB-1..... Note: To be used with angle or channel.	21.11	
13 48 63 00-0018 EA Seismic Solid Brace Swivel Anchor; Mason SSB-2..... Note: To be used with angle or channel.	27.52	
13 48 63 00-0019 EA Seismic Solid Brace Swivel Anchor; Mason SSB-3..... Note: To be used with angle or channel.	35.31	
13 48 63 00-0020 EA Seismic Solid Brace Swivel Anchor; Mason SSB-4..... Note: To be used with angle or channel.	46.75	
13 48 63 00-0021 EA 1/8" Cable Diameter Seismic Cable Brace Hook Anchor; Mason SCBH-1..... Note: To be used with 7x19 stranded cable.	25.00	
13 48 63 00-0022 EA 3/16" Cable Diameter Seismic Cable Brace Hook Anchor; Mason SCBH-2..... Note: To be used with 7x19 stranded cable.	32.10	
13 48 63 00-0023 EA 1/4" Cable Diameter Seismic Cable Brace Hook Anchor; Mason SCBH-3..... Note: To be used with 7x19 stranded cable.	43.55	
13 48 63 00-0024 EA 1/8" Cable Diameter Seismic Cable Brace Vise Anchor; Mason SCBV-1..... Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	41.72	
13 48 63 00-0025 EA 3/16" Cable Diameter Seismic Cable Brace Vise Anchor; Mason SCBV-2..... Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	57.52	
13 48 63 00-0026 EA 1/4" Cable Diameter Seismic Cable Brace Vise Anchor; Mason SCBV-3..... Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	77.44	
13 48 63 00-0027 EA Seismic Rod Clamp; Mason SRC-1..... Note: To be used on 3/8" through 5/8" rod. 1" x 1" x 1/4" Angle or Stiffener not included.	18.16	
13 48 63 00-0028 EA Seismic Rod Clamp; Mason SRC-1 1/2..... Note: To be used on 3/8" through 1" rod. 1-1/2" x 1-1/2" x 1/4" Angle or Stiffener not included.	21.82	
13 48 63 00-0029 EA Seismic Rod Clamp; Mason SRC-2..... Note: To be used on 3/8" through 1-1/4" rod. 2" x 2" x 1/4" Angle or Stiffener not included.	26.86	
13 48 63 00-0030 Seismic Restraints (13 48 63)		
13 48 63 00-0031 EA 1" x 1" Seismic Fastener, Gray, Drilled With 0.187 Diameter Hole..... Note: Adhesive applied.	3.61	0.96
13 48 63 00-0032 EA 1" x 1" Seismic Fastener, Gray, Adhesive Applied.....	2.64	0.48
13 48 63 00-0033 EA 1" x 2" Seismic Fastener, Gray, Drilled With (2) 0.187 Diameter Hole..... Note: Adhesive applied.	4.69	1.21
13 48 63 00-0034 EA 1" x 2" Seismic Fastener, Gray, Adhesive Applied.....	3.37	0.60
13 48 63 00-0035 EA 2" x 2" Seismic Fastener, Gray, Adhesive Applied.....	4.25	0.70
13 48 63 00-0036 EA 2" x 3" Seismic Fastener, Gray, Adhesive Applied.....	6.92	0.84
13 48 63 00-0037 LF 3/4" Wide Seismic Strap, Gray.....	3.16	0.72
13 48 63 00-0038 LF 1" Wide Seismic Strap, Gray.....	4.44	0.72
13 48 63 00-0039 EA 3/4" Wide x 4" Long Seismic Strap, Gray.....	1.59	0.48
13 48 63 00-0040 EA 3/4" Wide x 12" Long Seismic Strap, Gray.....	6.79	1.45
13 48 63 00-0041 LF Seismic Chord, Black.....	2.06	0.72
13 48 63 00-0042 LF SAFELOK Seismic Fastener, Black.....	2.60	0.72
13 49 Radiation Protection (13 40)		
13 49 13 Integrated X-Ray Shielding Assemblies (13 49)		
13 49 13 00-0001 Lead Shielding (13 49 13)		
See CSI section 09 29 10 00-0047 for finishing tasks.		
13 49 13 00-0002 SF 1/16" Sheet Lead Shielding.....	34.58	5.79
13 49 13 00-0003 SF 1/8" Sheet Lead Shielding.....	58.55	6.27
13 49 13 00-0004 SF 1/4" Sheet Lead Shielding.....	103.99	6.76
13 49 13 00-0005 SF 1/2" Sheet Lead Shielding.....	198.27	8.69
13 49 16 Modular X-Ray Shielding Rooms (13 49)		
13 49 16 00-0001 X-Ray Barriers, Modular (13 49 16)		
Note: Panels mounted within framework for attaching to floor, wall or ceiling, upper portion is clear lead plastic window panels 48" high, lower portion is opaque leaded steel panels 36" high. Excludes structural supports.		
13 49 16 00-0002 1-Section Barrier, 36"W x 84"H (13 49 16 00-0001)		
13 49 16 00-0003 EA 0.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High.....	4,711.81	123.81
13 49 16 00-0004 EA 0.8mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High.....	4,997.98	123.81
13 49 16 00-0005 EA 1.0mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High.....	5,161.96	148.57
13 49 16 00-0006 EA 1.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High.....	5,505.37	148.57
13 49 16 00-0007 2-Section Barrier, 72"W x 84"H (13 49 16 00-0001)		
13 49 16 00-0008 EA 0.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	10,068.63	198.09
13 49 16 00-0009 EA 0.8mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	10,469.26	198.09
13 49 16 00-0010 EA 1.0mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	10,804.99	222.84
13 49 16 00-0011 EA 1.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	11,655.74	247.60

13 Special Construction**13 40 Integrated Construction****13 49 Radiation Protection**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 49 16 00-0012			3-Section Barrier, 108"W x 84"H <small>(13 49 16 00-0001)</small>		
13 49 16 00-0013	EA		0.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	15,261.44	247.60
13 49 16 00-0014	EA		0.8mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	16,005.48	247.60
13 49 16 00-0015	EA		1.0mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	16,390.70	297.12
13 49 16 00-0016	EA		1.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	17,584.80	321.89
13 49 16 00-0017			X-Ray Barriers, Mobile <small>(13 49 16)</small> Note: Mounted within framework with casters on bottom, clear lead plastic window panels on upper portion, opaque on lower.		
13 49 16 00-0018			30"W x 75"H, Includes Framework <small>(13 49 16 00-0017)</small>		
13 49 16 00-0019	EA		24"H Upper With 0.5mm LE, 48"H Lower With 0.8mm LE Mobile X-Ray Barriers.....	3,196.09	24.12
13 49 16 00-0020			48"W x 75"H, Includes Framework <small>(13 49 16 00-0017)</small>		
13 49 16 00-0021	EA		36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers.....	5,657.13	24.12
13 49 16 00-0022	EA		36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers.....	6,801.80	24.12
13 49 16 00-0023			72"W x 75"H, Includes Framework <small>(13 49 16 00-0017)</small>		
13 49 16 00-0024	EA		36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers.....	6,687.33	24.12
13 49 16 00-0025	EA		36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers.....	8,461.57	24.12
13 49 19			Lead-Lined Materials <small>(13 49)</small>		
13 49 19 16			Lead-Lined Drywall <small>(13 49 19)</small>		
13 49 19 16-0001			Lead Lined Drywall <small>(13 49 19 16)</small> See CSI section 09 29 10 00-0047 for finishing tasks.		
13 49 19 16-0002	SF		1/32" Lead Lined 5/8" Fire Rated Drywall	17.33	1.27
13 49 19 16-0003	SF		1/16" Lead Lined 5/8" Fire Rated Drywall	31.07	1.52
13 49 19 16-0004	SF		1/8" Lead Lined 5/8" Fire Rated Drywall	58.13	1.82

END OF SECTION 13



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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14 Conveying Equipment

14 01 Operation And Maintenance Of Conveying Equipment⁽¹⁴⁾

14 01 20 Operation And Maintenance Of Elevators^(14 01)

14 01 20 71 Elevator Rehabilitation^(14 01 20)

14 01 20 71-0001 Elevator Maintenance^(14 01 20 71)

14 01 20 71-0002	EA	Regular Routine Elevator Inspection, Traction Up to 10 floors (Sufficient for Issue of Certificate/Permit)	337.10	
14 01 20 71-0003	EA	Regular Routine Elevator Inspection, Traction Over 10 floors (Sufficient for Issue of Certificate/Permit)	505.65	
14 01 20 71-0004	EA	Regular Routine Elevator Inspection, Hydraulic (Sufficient for Issue of Certificate/Permit)	337.10	
14 01 20 71-0005	EA	Regular Routine Elevator Inspection, Roped Hydraulic (Sufficient for Issue of Certificate/Permit)	337.10	
14 01 20 71-0006	EA	Regular Routine Elevator Inspection, Dumbwaiter/Cart Lifts (Sufficient for Issue of Certificate/Permit)	337.10	
14 01 20 71-0007	HR	Elevator Servicing - Hydraulic, Labor Only	160.78	
14 01 20 71-0008	HR	Elevator Servicing - Traction, Labor Only	321.57	
14 01 20 71-0009	EA	Annual Category 1 Test for Traction Up to 10 floors	1,188.71	
14 01 20 71-0010	EA	Annual Category 1 Test for Traction Over 10 floors	1,188.71	
14 01 20 71-0011	EA	Annual Category 1 Test for Hydraulic Elevator	1,188.71	
14 01 20 71-0012	EA	Annual Category 1 Test for Roped Hydraulic Elevator	1,188.71	
14 01 20 71-0013	EA	Annual Category 1 Test for Dumbwaiter/Cart Lifts	891.53	
14 01 20 71-0014	EA	Full Load Test for Traction Up to 10 floors	2,377.40	
14 01 20 71-0015	EA	Full Load Test for Traction Over 10 floors	2,377.40	
14 01 20 71-0016	EA	Full Load Test for Hydraulic Elevator	2,377.40	
14 01 20 71-0017	EA	Full Load Test for Roped Hydraulic Elevator	2,377.40	
14 01 20 71-0018	EA	Full Load Test for Dumbwaiter/Cart Lifts	1,793.06	
14 01 20 71-0019	EA	Acceptance Test for Traction Up to 10 floors	1,793.69	
14 01 20 71-0020	EA	Acceptance Test for Traction Over 10 floors	1,793.69	
14 01 20 71-0021	EA	Acceptance Test for Hydraulic Elevator	1,793.69	
14 01 20 71-0022	EA	Acceptance Test for Roped Hydraulic Elevator	1,793.69	
14 01 20 71-0023	EA	Acceptance Test for Dumbwaiter/Cart Lifts	1,793.69	

14 01 20 71-0024 Elevator Modernization^(14 01 20 71)

14 01 20 71-0025	EA	5" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM)	24,533.18	7,260.84
Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.				
For Union-Guard Cathodic Protection, Add			6,051.42	
Note: Includes Pump.				
For An Additional Stop, Add			7,286.72	
Note: Includes Removal.				
14 01 20 71-0026	EA	6" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM)	27,749.52	8,773.52
Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.				
For Union-Guard Cathodic Protection, Add			6,103.32	
Note: Includes Pump.				
For An Additional Stop, Add			7,669.72	
Note: Includes Removal.				
14 01 20 71-0027	EA	8" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM)	36,456.27	12,101.41
Note: Includes replacing existing piston/cylinder, 12 3/4" Sealed PVC, pit channel and buffers.				
For Union-Guard Cathodic Protection, Add			6,933.64	
Note: Includes Pump.				
For An Additional Stop, Add			9,532.72	
Note: Includes Removal.				
14 01 20 71-0028	EA	Replace Multi-Port Controller Valve	4,059.10	1,815.22
14 01 20 71-0029	EA	5 Gallon Container Of Hydraulic Oil For Elevator Modernization	32.95	
14 01 20 71-0030	EA	55 Gallon Container Of Hydraulic Oil For Elevator Modernization	326.68	
14 01 20 71-0031	SET	Car Roller Guide Assembly, Set Of Four	2,888.41	605.07
Note: Includes cover plate.				
14 01 20 71-0032	SET	CWT Roller Guide Assembly, Set Of Four	2,552.13	605.07
Note: Includes cover plate.				
14 01 20 71-0033	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Baked Enamel Finish	6,011.32	
Note: Excludes buildback.				
14 01 20 71-0034	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Satin Stainless Finish	6,426.48	
Note: Excludes buildback.				
14 01 20 71-0035	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Baked Enamel Finish	6,278.06	
Note: Excludes buildback.				
14 01 20 71-0036	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Satin Stainless Finish	6,693.22	
Note: Excludes buildback.				
14 01 20 71-0037	SF	Cab Flooring, Epoxy Aggregate	67.44	17.29
Note: SF cost not applicable for partial cab flooring.				
14 01 20 71-0038	SF	Cab Flooring, Aluminum Diamond Plate	60.07	17.29
Note: SF cost not applicable for partial cab flooring.				
14 01 20 71-0039	EA	Solid State Starting (Soft Start)	4,409.97	605.07
14 01 20 71-0040	EA	Pump Unit (Tank, Valve, Oil, Motor And Victaulic Fittings)	16,341.36	3,025.35
14 01 20 71-0041	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Side Slide (GAL)	1,948.07	605.07
14 01 20 71-0042	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Side Slide (GAL)	381.42	302.54
14 01 20 71-0043	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Side Slide (GAL)	349.25	302.54
14 01 20 71-0044	EA	Hoistway Door Interlock Set, Single Speed Side Slide (GAL)	452.00	302.54
14 01 20 71-0045	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Center Opening (GAL)	2,111.02	605.07
14 01 20 71-0046	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Center Opening (GAL)	460.30	302.54
14 01 20 71-0047	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Center Opening (GAL)	349.25	302.54

14 Conveying Equipment

14 01 Operation And Maintenance Of Conveying Equipment

14 01 20 Operation And Maintenance Of Elevators



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 01 20 71-0048 EA Hoistway Door Interlock Set, Single Speed Center Opening (GAL).....	525.69	302.54
14 01 20 71-0049 EA Fire Service Key Switch Contoller.....	2,759.71	605.07
14 01 20 71-0050 EA ADA Telephone (Rath Microtech).....	1,327.96	302.54
14 01 20 71-0051 EA Car Door Operator With ADA Buzzer, Single Speed Side Slide (GAL).....	6,090.24	1,210.14
14 01 20 71-0052 EA Car Door Operator With ADA Buzzer, Single Speed Center Opening (GAL).....	6,225.17	1,210.14
14 01 20 71-0053 EA Car Door Safety Edge (Infrared Proximity Type Edge).....	1,370.51	302.54
14 01 20 71-0054 EA Car Operating Panel (ADA, Fire, Position, Chime).....	6,121.38	1,210.14
14 01 20 71-0055 EA Car Position LED Indicator And Cover Plate, Stainless Steel.....	1,686.03	302.54
14 01 20 71-0056 EA Car Traveling Lanterns With Audible Signal.....	1,218.98	302.54
14 01 20 71-0057 EA Hoistway Door Jamb Floor Tags (Braille).....	188.62	151.26
14 01 20 71-0058 EA Lobby Vandal Resistant Call Station.....	1,167.09	302.54
14 01 20 71-0059 LF Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial).....	12.00	
Note: Excludes Removal and Replacement of Material. See CSI section 14 01 20 71-0060 for Removal and Replacement of Traveling Cable.		
14 01 20 71-0060 EA Removal And Replacement Of Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial).....	4,840.57	2,420.28
Note: Excludes Traveling Cable material. See CSI section 14 01 20 71-0059 for Traveling Cable material.		
14 01 20 71-0061 LF Governor Cable.....	0.93	
Note: Removal and Replacement of Governor Cable is part of Traveling Cable Removal and Replacement.		
14 01 20 71-0062 EA Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Plastic Laminate - Hang On Panels).....	3,891.02	605.07
14 01 20 71-0063 EA Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Rigid Stainless Steel - Hang On Panels).....	5,759.24	605.07
14 01 20 71-0064 EA Removal And Replacement Of Governor.....	3,704.20	605.07
14 01 20 71-0065 EA Removal And Replacement Of Car Station.....	6,121.38	1,210.14
14 01 20 71-0066 EA Removal And Replacement Of Telephone.....	1,327.96	302.54
14 01 20 71-0067 EA Removal And Replacement Of Lanterns (Hall).....	1,270.87	302.54
14 01 20 71-0068 EA Hall Call Buttons, Vandal Resistant.....	1,115.19	302.54
14 01 20 71-0069 EA Hall Traveling Lanterns With Audible Signal.....	1,270.87	302.54
14 01 20 71-0070 EA Add Raised Character (Braille) Signage To Control Panel.....	163.40	151.26
14 01 20 71-0071 EA New Microprocessor Based Contoller (Non-Proprietary).....	26,980.94	4,840.57
14 01 20 71-0072 EA New Steel Shell And Canopy (Plastic Panels Not Included), For 5' x 7' Cab.....	17,639.84	4,840.57
14 01 20 71-0073 EA New Steel Shell, Canopy And Platform (Plastic Laminate Not Included), For 5' x 7' Cab.....	27,669.91	4,840.57
14 01 20 71-0074 EA Replace Elevator Or Hoistway Doors (Single Slide Door Arrangment), Baked Enamel.....	2,437.96	605.07
14 01 20 71-0075 EA Replace Elevator Or Hoistway Doors (Center Opening Door Arrangment), Baked Enamel.....	2,541.75	605.07
14 01 20 71-0076 EA Replace Elevator Or Hoistway Doors (Single Slide Door Arrangment), Stainless Steel.....	2,655.92	605.07
14 01 20 71-0077 EA Replace Elevator Or Hoistway Doors (Center Opening Door Arrangment), Stainless Steel.....	2,780.47	605.07
14 01 20 71-0078 EA Elevator Pit Ladder, Steel.....	1,426.56	302.54
Note: Labor cost is for bolting to concrete pit wall.		
14 01 20 71-0079 EA New Steel Shell, Canopy, Platform, Standard Cab Plastic Laminate, For 5' x 7' Cab.....	34,241.79	4,840.57
14 01 20 71-0080 LF Replace Hoisting Cable, 3/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 4.5, EHS Traction Steel - 5.5.....	121.94	60.51
Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.		
14 01 20 71-0081 LF Replace Hoisting Cable, 1/2" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 6.0, EHS Traction Steel - 9.7.....	122.31	60.51
Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.		
14 01 20 71-0082 LF Replace Hoisting Cable, 5/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 12.7, EHS Traction Steel - 15.4.....	122.64	60.51
Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.		
14 01 20 71-0083 EA Hydraulic Leak Detector And Alarm in Elevator Pit (Stancor Oil Minder - 0.5 HP).....	5,995.88	605.07
14 01 20 71-0084 EA 6" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening).....	2,749.33	605.07
Note: Cladding typically done by metal company.		
14 01 20 71-0085 EA 8" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening).....	2,801.22	605.07
Note: Cladding typically done by metal company.		
14 01 20 71-0086 EA 10" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening).....	2,853.12	605.07
Note: Cladding typically done by metal company.		
14 01 20 71-0087 EA 12" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening).....	2,915.39	605.07
Note: Cladding typically done by metal company.		
14 01 20 71-0088 EA "Rope Gripper" With Pumping Unit For Use On 4-7/8" Maximum Out to Out Of Cable.....	5,447.87	605.07
14 01 20 71-0089 EA "Rope Gripper" With Pumping Unit For Use On 6" Maximum Out to Out Of Cable.....	5,447.87	605.07
14 01 20 71-0090 EA "Rope Gripper" With Pumping Unit For Use On 10" Maximum Out to Out Of Cable.....	7,523.67	605.07
14 01 20 71-0091 EA "Rope Gripper" With Pumping Unit For Use On 11-1/2" Maximum Out to Out Of Cable.....	8,561.57	605.07
14 01 20 71-0092 EA 60 Amp Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock.....	3,041.81	152.25
14 01 20 71-0093 EA 100 Amp Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock.....	3,198.88	182.69
14 01 20 71-0094 EA 200 Amp Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock.....	4,247.52	213.14
14 01 20 71-0095 EA Aluminum Handrail Spacers With Set Screw.....	172.82	151.26
14 01 20 71-0096 EA Bronze Handrail Spacers With Set Screw.....	175.69	151.26
14 01 20 71-0097 LF 1/2" x 2" Round Stainless Steel Elevator Handrail.....	109.07	35.59
14 01 20 71-0098 LF 3/8" x 2" Flat Bar Stainless Steel Elevator Handrail, Brushed Finish.....	105.69	35.59
14 01 20 71-0099 LF 3/8" x 3" Flat Bar Stainless Steel Elevator Handrail, Brushed Finish.....	121.51	35.59
14 01 20 71-0100 LF 3/8" x 2" Flat Bar Stainless Steel Elevator Handrail, Mirror Finish.....	132.22	35.59
14 01 20 71-0101 LF 3/8" x 3" Flat Bar Stainless Steel Elevator Handrail, Mirror Finish.....	148.16	35.59
14 01 20 71-0102 LF 3/8" x 2" Flat Bar Bronze Steel Elevator Handrail, Brushed Finish.....	123.50	35.59
14 01 20 71-0103 LF 3/8" x 3" Flat Bar Bronze Steel Elevator Handrail, Brushed Finish.....	137.57	35.59
14 01 20 71-0104 LF 3/8" x 2" Flat Bar Bronze Steel Elevator Handrail, Mirror Finish.....	202.15	35.59
14 01 20 71-0105 LF 3/8" x 3" Flat Bar Bronze Steel Elevator Handrail, Mirror Finish.....	224.49	35.59
14 01 20 71-0106 LF 3/8" x 1-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish.....	105.15	35.59
14 01 20 71-0107 LF 3/8" x 2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish.....	106.01	35.59
14 01 20 71-0108 LF 3/8" x 2-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish.....	129.40	35.59
14 01 20 71-0109 LF 3/8" x 1-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish.....	122.50	35.59
14 01 20 71-0110 LF 3/8" x 2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish.....	129.85	35.59
14 01 20 71-0111 LF 3/8" x 2-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish.....	157.26	35.59
14 01 20 71-0112 LF 3/8" x 1-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish.....	125.99	35.59
14 01 20 71-0113 LF 3/8" x 2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish.....	128.36	35.59
14 01 20 71-0114 LF 3/8" x 2-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish.....	200.47	35.59



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 01 20 71-0115 LF 3/8" x 1-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Mirror Finish.....	138.94	35.59
14 01 20 71-0116 LF 3/8" x 2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish.....	200.93	35.59
14 01 20 71-0117 LF 3/8" x 2-1/2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish.....	224.49	35.59

14 01 30 Operation And Maintenance Of Escalators And Moving Walks

14 01 30 71 Escalators and Moving Walks Rehabilitation (14 01 30)

14 01 30 71-0001 Maintenance (14 01 30 71)

14 01 30 71-0002 EA Regular Escalator Inspection (Sufficient For Issue Of Certificate/Permit).....	660.80
14 01 30 71-0003 HR Escalator Servicing, Labor Only.....	160.78
14 01 30 71-0004 EA Acceptance Test Of Escalators And Moving Walks.....	3,634.37

14 01 30 71-0005 Modernization (14 01 30 71)

14 01 30 71-0006 EA Replace 28" Wide Escalator Stair Tread.....	2,040.71
14 01 30 71-0007 EA Replace 36" Wide Escalator Stair Tread.....	2,209.88
14 01 30 71-0008 EA Replace 48" Wide Escalator Stair Tread.....	2,340.63
14 01 30 71-0009 EA Replace 54" Wide Escalator Stair Tread.....	2,536.94
14 01 30 71-0010 LF Replace Sliding Handrail.....	184.24

14 20 Elevators (14)

Note: Excludes final electrical work or shaft walls.

14 21 Electric Traction Elevators (14 20)

14 21 13 Electric Traction Freight Elevators (14 21)

14 21 13 00-0001 Electric Traction Freight Elevators (14 21 13)

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings with power doors.

14 21 13 00-0002 EA Electric Traction Freight Elevator, 4,000 LB x 200 FPM.....	333,712.29
For Each Opening With Bonderized Steel Door, Add	200.00
For Each Opening With Stainless Steel Doors, Add	500.00
For Each Opening With Two Speed Doors, Add	500.00
For Custom Plastic Laminated Cab Interiors, Add	4,000.00
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00
For Stainless Steel Cab Interior, Add	8,000.00
For Elevator With Manual Door, Deduct	-10,000.00
For Class "C-2" Loading, Add	2,000.00
For Removal Of Existing Stop, Add	7,344.37
For Each Additional Stop, Add	32,360.93
For Each Floor < 6 Stops, Deduct	-27,770.69
For Each Additional 50 FPM, Add	6,000.00
For Removal Of Existing Elevator, Add	36,721.85
14 21 13 00-0003 EA Electric Traction Freight Elevator, 6,000 LB x 200 FPM.....	376,787.22
For Elevator With Manual Door, Deduct	-10,000.00
For Class "C-2" Loading, Add	4,000.00
For Custom Plastic Laminated Cab Interiors, Add	5,000.00
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	7,000.00
For Stainless Steel Cab Interior, Add	9,000.00
For Removal Of Existing Stop, Add	7,344.37
For Each Additional Stop, Add	33,360.93
For Each Additional 50 FPM, Add	6,000.00
For Each Opening With Bonderized Steel Door, Add	300.00
For Each Opening With Stainless Steel Doors, Add	600.00
For Each Opening With Two Speed Doors, Add	700.00
For Removal Of Existing Elevator, Add	36,721.85
For Each Floor < 6 Stops, Deduct	-28,770.69
14 21 13 00-0004 EA Electric Traction Freight Elevator, 8,000 LB x 200 FPM.....	400,728.97
For Elevator With Manual Door, Deduct	-10,000.00
For Each Additional 50 FPM, Add	10,000.00
For Class "C-2" Loading, Add	8,000.00
For Removal Of Existing Stop, Add	7,344.37
For Each Additional Stop, Add	33,360.93
For Each Opening With Bonderized Steel Door, Add	400.00
For Each Opening With Stainless Steel Doors, Add	700.00
For Each Opening With Two Speed Doors, Add	800.00
For Custom Plastic Laminated Cab Interiors, Add	6,000.00
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	8,000.00
For Stainless Steel Cab Interior, Add	10,000.00
For Removal Of Existing Elevator, Add	36,721.85
For Each Floor < 6 Stops, Deduct	-28,770.69

14 21 23 Electric Traction Passenger Elevators (14 21)

14 21 23 13 Machine Room Electric Traction Passenger Elevators (14 21 23)

14 21 23 13-0001 Electric Traction Passenger Elevators (14 21 23 13)

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of \$7,500. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings.

14 Conveying Equipment**14 20 Elevators****14 21 Electric Traction Elevators**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 21 23	13-0002	EA	Electric Traction Passenger Elevator, 2,500 LB x 200 FPM	270,754.85	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,000.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,000.00	
			<i>For Stainless Steel Cab Interior, Add</i>	8,000.00	
			<i>For Each Additional 50 FPM, Add</i>	1,000.00	
			<i>For Removal Of Existing Stop, Add</i>	3,672.19	
			<i>For Each Additional Stop, Add</i>	32,360.93	
			<i>For Each Floor < 6 Stops, Deduct</i>	-19,180.43	
			<i>For Removal Of Existing Elevator, Add</i>	27,541.40	
14 21 23	13-0003	EA	Electric Traction Passenger Elevator, 3,000 LB x 200 FPM	272,289.91	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,000.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,000.00	
			<i>For Stainless Steel Cab Interior, Add</i>	8,000.00	
			<i>For Each Additional 50 FPM, Add</i>	1,000.00	
			<i>For Removal Of Existing Stop, Add</i>	3,672.19	
			<i>For Each Additional Stop, Add</i>	32,360.93	
			<i>For Each Floor < 6 Stops, Deduct</i>	-19,180.43	
			<i>For Removal Of Existing Elevator, Add</i>	27,541.40	
14 21 23	13-0004	EA	Electric Traction Passenger Elevator, 3,500 LB x 200 FPM	273,782.41	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,000.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,000.00	
			<i>For Stainless Steel Cab Interior, Add</i>	8,000.00	
			<i>For Each Additional 50 FPM, Add</i>	1,000.00	
			<i>For Removal Of Existing Stop, Add</i>	3,672.19	
			<i>For Each Additional Stop, Add</i>	32,360.93	
			<i>For Each Floor < 6 Stops, Deduct</i>	-19,180.43	
			<i>For Removal Of Existing Elevator, Add</i>	27,541.40	

14 24 Hydraulic Elevators ^(14 20)

Note: Prices are for a complete operating elevator including all standard controls, hydraulic motor and devices based on unit with cab sized 5' by 8' with galvanized primed shaft door with cab allowances as listed below.

14 24 13 Hydraulic Freight Elevators ^(14 24)**14 24 13 00-0001 Hydraulic Freight Elevators ^(14 24 13)**

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings with power doors.

14 24 13	00-0002	EA	Hydraulic Freight Elevator, 4,000 LB x 50 FPM	176,214.63	
			<i>For Each Additional Stop, Add</i>	17,664.55	
			<i>For < 3 Stops, Deduct</i>	-14,000.00	
			<i>Note: Would be holeless hydraulic at 2 stops.</i>		
			<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00	
			<i>For Each Opening With Two Speed Doors, Add</i>	500.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,000.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,000.00	
			<i>For Stainless Steel Cab Interior, Add</i>	8,000.00	
			<i>For Each Additional 50 FPM, Add</i>	2,000.00	
			<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
			<i>For Class "C-2" Loading, Add</i>	2,000.00	
			<i>For Well Hole Drilling (12" Diameter Hole), Add</i>	170.00	
			<i>Note: Includes Labor and Equipment.</i>		
			<i>For 12" Steel Liner, Add</i>	90.00	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For Removal Of Existing Stop, Add</i>	7,344.37	
14 24 13	00-0003	EA	Hydraulic Freight Elevator, 5,000 LB x 50 FPM	180,366.23	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00	
			<i>For Each Opening With Two Speed Doors, Add</i>	500.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,000.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,000.00	
			<i>For Stainless Steel Cab Interior, Add</i>	8,000.00	
			<i>For Each Additional 50 FPM, Add</i>	2,000.00	
			<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
			<i>For Each Additional Stop, Add</i>	18,664.55	
			<i>For < 3 Stops, Deduct</i>	-15,000.00	
			<i>Note: Would be holeless hydraulic at 2 stops.</i>		
			<i>For Class "C-2" Loading, Add</i>	4,000.00	
			<i>For Well Hole Drilling (12" Diameter Hole), Add</i>	170.00	
			<i>Note: Includes Labor and Equipment.</i>		
			<i>For 12" Steel Liner, Add</i>	90.00	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For Removal Of Existing Stop, Add</i>	7,344.37	



Conveying Equipment	14	14
Elevators	14 20	
Hydraulic Elevators	14 24	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0004 EA Hydraulic Freight Elevator, 6,000 LB x 50 FPM	190,505.99	
For Each Opening With Bonderized Steel Door, Add	200.00	
For Each Opening With Stainless Steel Doors, Add	500.00	
For Each Opening With Two Speed Doors, Add	500.00	
For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
For Stainless Steel Cab Interior, Add	8,000.00	
For Elevator With Manual Door, Deduct	-10,000.00	
For Each Additional Stop, Add	18,664.55	
For < 3 Stops, Deduct	-15,000.00	
Note: Would be holeless hydraulic at 2 stops.		
For Each Additional 50 FPM, Add	10,000.00	
For Class "C-2" Loading, Add	8,000.00	
For Well Hole Drilling (12" Diameter Hole), Add	170.00	
Note: Includes Labor and Equipment.		
For 12" Steel Liner, Add	90.00	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For Removal Of Existing Stop, Add	7,344.37	
14 24 13 00-0005 EA Hydraulic Freight Elevator, 8,000 LB x 50 FPM	202,721.56	
For Each Opening With Bonderized Steel Door, Add	200.00	
For Each Opening With Stainless Steel Doors, Add	500.00	
For Each Opening With Two Speed Doors, Add	500.00	
For Elevator With Manual Door, Deduct	-10,000.00	
For Each Additional Stop, Add	18,664.55	
For < 3 Stops, Deduct	-15,000.00	
Note: Would be holeless hydraulic at 2 stops.		
For Custom Plastic Laminated Cab Interiors, Add	5,000.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	7,000.00	
For Stainless Steel Cab Interior, Add	9,000.00	
For Each Additional 50 FPM, Add	11,000.00	
For Class "C-2" Loading, Add	10,000.00	
For Well Hole Drilling (12" Diameter Hole), Add	170.00	
Note: Includes Labor and Equipment.		
For 12" Steel Liner, Add	90.00	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For Removal Of Existing Stop, Add	7,344.37	
14 24 13 00-0006 Hydraulic Elevators Piston Drilling ^(14 24 13)		
14 24 13 00-0007 VLF Up To 6" Diameter Piston Drilling	69.44	
Note: Includes casing.		
14 24 13 00-0008 VLF 8" To 10" Diameter Piston Drilling.....	82.40	
Note: Includes casing.		
14 24 23 Hydraulic Passenger Elevators ^(14 24)		
14 24 23 00-0001 Hydraulic Passenger Elevators ^(14 24 23)		
Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of \$7,500. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings.		
14 24 23 00-0002 EA Hydraulic Passenger Elevator, 2,100 LB x 100 FPM	115,611.66	
For Each Additional Stop, Add	17,664.55	
For Each Opening With Bonderized Steel Door, Add	200.00	
For Each Opening With Stainless Steel Doors, Add	500.00	
For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
For Stainless Steel Cab Interior, Add	8,000.00	
For Well Hole Drilling (12" Diameter Hole), Add	170.00	
Note: Includes Labor and Equipment.		
For 12" Steel Liner, Add	90.00	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For Each Additional 50 FPM, Add	1,000.00	
For Removal Of Existing Elevator, Add	18,330.10	
For Removal Of Existing Stop, Add	3,672.19	
For < 3 Stops, Deduct	-10,000.00	
Note: Would be holeless hydraulic at 2 stops.		
14 24 23 00-0003 EA Hydraulic Passenger Elevator, 2,500 LB x 100 FPM	117,687.46	
For Each Additional Stop, Add	17,664.55	
For Each Opening With Bonderized Steel Door, Add	200.00	
For Each Opening With Stainless Steel Doors, Add	500.00	
For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
For Stainless Steel Cab Interior, Add	8,000.00	
For Well Hole Drilling (12" Diameter Hole), Add	170.00	
Note: Includes Labor and Equipment.		
For 12" Steel Liner, Add	90.00	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For Each Additional 50 FPM, Add	1,000.00	
For Removal Of Existing Elevator, Add	18,330.10	
For Removal Of Existing Stop, Add	3,672.19	
For < 3 Stops, Deduct	-10,000.00	
Note: Would be holeless hydraulic at 2 stops.		

14 Conveying Equipment**14 20 Elevators****14 24 Hydraulic Elevators**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0004 EA Hydraulic Passenger Elevator, 3,500 LB x 100 FPM	124,713.53	
For Each Additional Stop, Add	17,664.55	
For Each Opening With Bonderized Steel Door, Add	200.00	
For Each Opening With Stainless Steel Doors, Add	500.00	
For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
For Stainless Steel Cab Interior, Add	8,000.00	
For Well Hole Drilling (12" Diameter Hole), Add	170.00	
Note: Includes Labor and Equipment.		
For 12" Steel Liner, Add	90.00	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For Each Additional 50 FPM, Add	1,000.00	
For Removal Of Existing Elevator, Add	18,330.10	
For Removal Of Existing Stop, Add	3,672.19	
For < 3 Stops, Deduct	-10,000.00	
Note: Would be holeless hydraulic at 2 stops.		
14 24 23 00-0005 EA Hydraulic Passenger Elevator, 5,000 LB x 100 FPM	128,047.13	
For Each Additional Stop, Add	17,664.55	
For Each Opening With Bonderized Steel Door, Add	200.00	
For Each Opening With Stainless Steel Doors, Add	500.00	
For Each Opening With Two Speed Doors, Add	500.00	
For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
For Stainless Steel Cab Interior, Add	8,000.00	
For Well Hole Drilling (12" Diameter Hole), Add	170.00	
Note: Includes Labor and Equipment.		
For 12" Steel Liner, Add	90.00	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For Each Additional 50 FPM, Add	1,000.00	
For Removal Of Existing Elevator, Add	18,330.10	
For Removal Of Existing Stop, Add	3,672.19	
For < 3 Stops, Deduct	-10,000.00	
Note: Would be holeless hydraulic at 2 stops.		
14 24 23 00-0006 Twin Jack Holeless Hydraulic Passenger Elevator ^(14 24 23)		
Note: Baked enamel shaft doors and plastic laminated trimmed cab. Excludes flooring, shaft construction/alterations, pit or mechanical room construction. Connect to established utilities.		
14 24 23 00-0007 EA Hydraulic Passenger Elevator, 2,000 LB, 80 FPM, 3 Stops, 3 Openings.....	65,672.20	8,349.48
14 24 23 00-0008 EA Hydraulic Passenger Elevator, 2,000 LB, 80 FPM, 2 Stops, 2 Openings.....	49,881.64	7,133.77
14 26 Limited-Use/Limited-Application Elevators ^(14 20)		
14 26 00 00-0001 Small Elevators (LULA) ^(14 26)		
14 26 00 00-0002 EA Small Elevators (LULA), 1,400 LB x 30 FPM	58,824.40	
Note: 3 phase, automatic operation, includes cab interior, telephone box and telephone. 2 stops and 12 feet of rise.		
For Each Additional Stop, Add	16,508.28	
For Removal Of Existing Elevator, Add	5,508.28	
14 90 Other Conveying Equipment ⁽¹⁴⁾		
14 91 Facility Chutes ^(14 90)		
14 91 82 Trash Chutes ^(14 91)		
14 91 82 00-0001 Trash Chutes ^(14 91 82)		
14 91 82 00-0002 LF 18" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	23.48	3.88
For Aluminum, Add	1.61	
For Stainless Steel, Add	5.63	
14 91 82 00-0003 LF 24" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	29.81	3.88
For Aluminum, Add	2.18	
For Stainless Steel, Add	7.62	
14 91 82 00-0004 LF 30" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	32.83	4.84
For Aluminum, Add	2.41	
For Stainless Steel, Add	8.45	
14 91 82 00-0005 LF 36" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	49.18	4.84
For Aluminum, Add	3.97	
For Stainless Steel, Add	13.91	
14 91 82 00-0006 EA Trash Chutes, Hopper.....	444.06	27.10
For Aluminum, Add	38.95	
For Stainless Steel, Add	136.33	
14 91 82 00-0007 EA Trash Chutes, Skylight.....	242.18	53.22
For Aluminum, Add	13.55	
For Stainless Steel, Add	47.42	
14 91 82 00-0008 EA Trash Chutes, Sprinkler Unit At Top	181.97	58.06
For Aluminum, Add	5.93	
For Stainless Steel, Add	20.74	
14 91 82 00-0009 EA Trash Chutes, Sprinkler Unit At Intake Hopper	51.06	20.32
For Aluminum, Add	1.02	
For Stainless Steel, Add	3.56	



Conveying Equipment	14	14
Other Conveying Equipment	14 90	
Facility Chutes	14 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 91 82 00-0010 EA Refuse Type Bottom Storage Hopper Unit <i>For Aluminum, Add</i> <i>For Stainless Steel, Add</i>	404.02 25.06 87.72	72.58
14 91 82 00-0011 EA Hopper Doors	861.28	56.92
14 91 82 00-0012 Aluminized Steel Trash Chutes And Accessories <small>(14 91 82)</small> Note: Includes sprinklers. Includes smoke/shut down dampers per floor, chute opening doors per floor, base chute damper. Complete.		
14 91 82 00-0013 EA Refuse Bottom Hopper, Aluminum, 18" Diameter.....	2,457.75	252.97
14 91 82 00-0014 FLR 18" Diameter Trash Chutes And With Sprinklers Aluminized Steel.....	592.83	271.49
14 91 82 00-0015 FLR 24" Diameter Trash Chutes And With Sprinklers Aluminized Steel.....	679.91	296.96
14 91 82 00-0016 FLR 30" Diameter Trash Chutes And With Sprinklers Aluminized Steel.....	754.05	316.72
14 91 82 00-0017 FLR 36" Diameter Trash Chutes And With Sprinklers Aluminized Steel.....	819.39	339.34
14 91 82 00-0018 EA Refuse Bottom Hopper, 36" Aluminized Steel, With Sprinklers	721.11	316.72
14 92 Pneumatic Tube Systems <small>(14 90)</small>		
14 92 00 00-0001 Pneumatic Message Tube Station <small>(14 92)</small> Note: Twin tube, two or more stations, conventional		
14 92 00 00-0002 LF 2-1/2" Tube With Bracketing	37.49	12.50
14 92 00 00-0003 LF 3" Tube With Bracketing	45.27	16.84
14 92 00 00-0004 LF 4" Tube With Bracketing	50.78	15.40
14 92 00 00-0005 LF 6" Tube With Bracketing	61.51	19.25
14 92 00 00-0006 LF 4" x 7" Oval Tube With Bracketing.....	64.39	20.69
14 92 00 00-0007 EA Blower Assembly	5,556.09	384.87
14 92 00 00-0008 EA Receiving Station, Round Or Oval.....	532.69	102.47
14 92 00 00-0009 EA Multi-Sided Dispatching Station, 3 Carrier	1,525.61	144.33
14 92 00 00-0010 EA Laboratory Receiving Station, Round Or Oval.....	1,085.48	129.89
14 92 00 00-0011 EA 2-Way Diverter Station.....	1,889.79	144.33
14 92 00 00-0012 EA 3-Way Diverter Station.....	2,408.83	168.38
14 92 00 00-0013 EA 4-Way Diverter Station.....	2,890.19	192.43

END OF SECTION 14

14	14	Conveying Equipment
	14 90	Other Conveying Equipment
	14 92	Pneumatic Tube Systems



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 Fire Suppression

21 01 Operation and Maintenance of Fire Suppression ⁽²¹⁾

21 01 10 Operation and Maintenance of Water-Based Fire-Suppression Systems ^(21 01)

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

21 01 10 91 Water-Based Fire-Suppression Systems Restoration ^(21 01 10)

21 01 10 91-0001 Relocate Sprinkler Head And Branch Piping ^(21 01 10 91)

Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.

21 01 10 91-0002	EA	Relocate Existing Sprinkler Head And Branch Piping.....	45.17	
Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.				

21 01 10 91-0003 Sprinkler Upgrades ^(21 01 10 91)

21 01 10 91-0004	LF	Bleed Existing Lines Of Water.....	0.48	
21 01 10 91-0005	LF	Refill Existing Lines With Water.....	0.58	

21 01 30 Operation and Maintenance of Fire-Suppression Equipment ^(21 01)

21 01 30 91 Fire-Suppression Equipment Restoration ^(21 01 30)

21 01 30 91-0001 Inspection And Recharge ^(21 01 30 91)

21 01 30 91-0002	EA	Inspection, CO2, Carbon Dioxide.....	161.84	
21 01 30 91-0003	LB	Refill/Recharge, CO2, Carbon Dioxide.....	1.60	
21 01 30 91-0004	EA	Inspection, Halon 1301.....	161.84	
21 01 30 91-0005	LB	Refill/Recharge, Halon 1301.....	38.49	
21 01 30 91-0006	EA	Inspection, WC, Wet Chemical.....	97.85	
21 01 30 91-0007	GAL	Refill/Recharge, WC, Wet Chemical.....	36.08	
21 01 30 91-0008	EA	Inspection, DC, Dry Chemical.....	97.85	
21 01 30 91-0009	LB	Refill/Recharge, DC, Dry Chemical.....	3.21	
21 01 30 91-0010	EA	Hydrostatic Testing, All Sizes, All Agents.....	30.11	
See CSI section 23 05 93 00-0046 for testing existing piping systems.				
21 01 30 91-0011	EA	Disarm/Arm System.....	52.69	

21 05 Common Work Results for Fire Suppression ⁽²¹⁾

21 05 13 Common Motor Requirements For Fire-Suppression Equipment ^(21 05)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

21 05 16 Expansion Fittings And Loops For Fire-Suppression Piping ^(21 05)

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

21 05 17 Sleeves and Sleeve Seals for Fire-Suppression Piping ^(21 05)

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

21 05 19 Meters And Gages For Fire-Suppression Systems ^(21 05)

21 05 19 00-0001 Fire Sprinkler System Water Pressure Gauge ^(21 05 19)

21 05 19 00-0002	EA	2" Diameter Dial, 0-200 PSI, Water Pressure Gauge.....	31.29	9.35
Note: For fire sprinkler systems				
21 05 19 00-0003	EA	2-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge.....	32.32	9.35
Note: For fire sprinkler systems				
21 05 19 00-0004	EA	3" Diameter Dial, 0-300 PSI, Water Pressure Gauge.....	37.14	9.35
Note: For fire sprinkler systems				
21 05 19 00-0005	EA	3-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge.....	39.12	9.35
Note: For fire sprinkler systems				
21 05 19 00-0006	EA	4" Diameter Dial, 0-300 PSI, Water Pressure Gauge.....	41.10	9.35
Note: For fire sprinkler systems				

21 05 19 00-0007 Fire Service Meter Cast Iron Housing ^(21 05 19)

21 05 19 00-0008	EA	3" Diameter, 0 - 600 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	2,796.83	149.53
For >10 To 25, Deduct				
			-139.84	
For >25, Deduct				
			-400.81	
21 05 19 00-0009	EA	4" Diameter, 0 - 1,000 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	5,675.51	250.68
For >10 To 25, Deduct				
			-283.78	
For >25, Deduct				
			-819.91	
21 05 19 00-0010	EA	6" Diameter, 0 - 2,000 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	7,660.26	328.09
For >10 To 25, Deduct				
			-383.01	
For >25, Deduct				
			-1,107.88	

21 Fire Suppression
21 05 Common Work Results for Fire Suppression
21 05 19 Meters And Gages For Fire-Suppression Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 05 19 00-0011	EA		8" Diameter, 0 - 4,000 GPM Fire Service Meter Flanged, With Cast Iron Housing..... <i>For >10 To 25, Deduct</i>	9,984.86 -499.24	419.22
21 05 19 00-0012	EA		10" Diameter, 0 - 6,200 GPM Fire Service Meter Flanged, With Cast Iron Housing..... <i>For >10 To 25, Deduct</i> <i>For >25, Deduct</i>	14,031.05 -701.55 -2,040.86	510.35
21 05 23 General-Duty Valves For Water-Based Fire-Suppression Piping					
<i>(21 05)</i> See CSI section 23 05 23 00-0000 for valves.					
21 05 23 00-0001 Globe Valves <i>(21 05 23)</i>					
21 05 23 00-0002 Threaded, 125 LB, Bronze Body, Angle Globe Valves <i>(21 05 23 00-0001)</i>					
Note: Non-rising stem					
21 05 23 00-0003	EA		1/2" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD).....	54.39	9.55
21 05 23 00-0004	EA		3/4" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD).....	69.06	10.04
21 05 23 00-0005	EA		1" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD).....	95.83	10.04
21 05 23 00-0006	EA		1-1/4" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD).....	145.51	12.71
21 05 23 00-0007	EA		1-1/2" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD).....	171.40	14.71
21 05 23 00-0008	EA		2" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD).....	203.07	17.39
21 05 23 00-0009 Butterfly Valves <i>(21 05 23)</i>					
21 05 23 00-0010 Grooved End Gear Operated Butterfly Valves <i>(21 05 23 00-0009)</i>					
21 05 23 00-0011	EA		2-1/2" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N).....	288.95	15.57
21 05 23 00-0012	EA		3" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N).....	318.14	18.64
21 05 23 00-0013	EA		4" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N).....	326.71	24.54
21 05 23 00-0014	EA		6" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N).....	479.95	40.20
21 05 23 00-0015	EA		8" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N).....	690.25	56.56
21 05 23 00-0016 Grooved End, Wafer Type, Ductile Iron, Gear Operated Butterfly Valves <i>(21 05 23 00-0009)</i>					
21 05 23 00-0017	EA		2" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510).....	288.70	12.58
21 05 23 00-0018	EA		2-1/2" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510).....	295.37	15.57
21 05 23 00-0019	EA		3" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510).....	326.71	18.64
21 05 23 00-0020	EA		4" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510).....	341.44	24.54
21 05 23 00-0021	EA		6" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510).....	478.88	40.20
21 05 23 00-0022	EA		8" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510).....	710.59	56.56
21 05 23 00-0023	EA		10" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510).....	1,094.78	76.44
21 05 23 00-0024 Check Valves <i>(21 05 23)</i>					
21 05 23 00-0025 Bronze Body, Threaded, 150 LB, Swing Check Valves <i>(21 05 23 00-0024)</i>					
21 05 23 00-0026	EA		1/2" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y).....	199.78	9.55
21 05 23 00-0027	EA		3/4" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y).....	235.49	10.04
21 05 23 00-0028	EA		1" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y).....	322.77	10.04
21 05 23 00-0029	EA		1-1/4" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y).....	430.17	12.71
21 05 23 00-0030	EA		1-1/2" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y).....	564.89	14.71
21 05 23 00-0031	EA		2" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y).....	826.93	17.39
21 05 23 00-0032 Flanged, Iron Body, Bronze Trim, Swing Check Valves <i>(21 05 23 00-0024)</i>					
21 05 23 00-0033	EA		2-1/2" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126).....	440.31	127.53
21 05 23 00-0034	EA		3" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126).....	503.21	149.53
21 05 23 00-0035	EA		4" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126).....	733.31	250.68
21 05 23 00-0036	EA		6" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126).....	1,044.56	298.68
21 05 23 00-0037	EA		8" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126).....	1,589.69	381.66
21 05 23 00-0038	EA		10" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126).....	2,420.45	464.63
21 05 23 00-0039	EA		12" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126).....	3,319.44	564.19
21 05 23 00-0040 Iron Body Wafer Type Check Valve <i>(21 05 23 00-0024)</i>					
21 05 23 00-0041	EA		2-1/2" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W).....	359.46	123.62
21 05 23 00-0042	EA		3" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W).....	415.70	144.93
21 05 23 00-0043	EA		4" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W).....	545.55	242.97
21 05 23 00-0044	EA		6" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W).....	851.89	341.01
21 05 23 00-0045	EA		8" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W).....	1,173.78	392.17
21 05 23 00-0046	EA		10" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W).....	1,651.55	42.63
21 05 23 00-0047	EA		12" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W).....	2,203.17	579.73
21 05 23 00-0048 Grooved End, Check Valves <i>(21 05 23 00-0024)</i>					
21 05 23 00-0049	EA		2-1/2" Check Valve, Grooved (Victaulic FireLock® 717).....	257.50	15.84
21 05 23 00-0050	EA		3" Check Valve, Grooved (Victaulic FireLock® 717).....	261.77	18.74
21 05 23 00-0051	EA		4" Check Valve, Grooved (Victaulic FireLock® 717).....	280.04	24.63
21 05 23 00-0052	EA		6" Check Valve, Grooved (Victaulic FireLock® 717).....	817.29	40.20
21 05 23 00-0053	EA		8" Check Valve, Grooved (Victaulic FireLock® 717).....	1,135.88	56.56



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 05 23 00-0054			Gate Valves <small>(21 05 23)</small>		
21 05 23 00-0055			Threaded, Bronze Gate Valves <small>(21 05 23 00-0054)</small>		
			Note: Class 175		
21 05 23 00-0056	EA		1" Threaded, Bronze Gate Valve (Crane 459)	627.54	11.95
21 05 23 00-0057	EA		1-1/4" Threaded, Bronze Gate Valve (Crane 459)	766.99	12.71
21 05 23 00-0058	EA		1-1/2" Threaded, Bronze Gate Valve (Crane 459)	912.77	14.71
21 05 23 00-0059	EA		2" Threaded, Bronze Gate Valve (Crane 459)	1,139.41	17.39
21 05 23 00-0060			Flanged, Cast Iron Body, Bronze Trim Gate Valves <small>(21 05 23 00-0054)</small>		
			Note: Class 175		
21 05 23 00-0061	EA		2-1/2" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	567.61	127.53
21 05 23 00-0062	EA		3" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	667.99	149.53
21 05 23 00-0063	EA		4" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	959.47	250.68
21 05 23 00-0064	EA		6" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	1,378.79	298.68
21 05 23 00-0065	EA		8" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	1,994.87	381.66
21 05 23 00-0066	EA		10" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	3,501.22	464.63
21 05 23 00-0067	EA		12" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	4,719.33	564.19
21 05 23 00-0068			Flanged, Resilient Wedge, Ductile Iron Body, Gate Valves <small>(21 05 23 00-0054)</small>		
			Note: Class 175		
21 05 23 00-0069	EA		2-1/2" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	916.94	127.53
21 05 23 00-0070	EA		3" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	1,068.56	149.53
21 05 23 00-0071	EA		4" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	1,323.93	250.68
21 05 23 00-0072	EA		6" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	1,686.24	298.68
21 05 23 00-0073	EA		8" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	2,477.81	381.66
21 05 23 00-0074	EA		10" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	3,532.09	464.63
21 05 23 00-0075	EA		12" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	4,546.63	564.19
21 05 23 00-0076			Flanged, Resilient Wedge, Ductile Iron Body, Gate Valves <small>(21 05 23 00-0054)</small>		
			Note: Class 250. Square operating nut actuation type.		
21 05 23 00-0077	EA		3" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	879.97	149.53
21 05 23 00-0078	EA		4" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	1,141.95	250.68
21 05 23 00-0079	EA		6" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	1,446.70	298.68
21 05 23 00-0080	EA		8" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	2,141.65	381.66
21 05 23 00-0081	EA		10" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	3,172.77	464.63
21 05 23 00-0082	EA		12" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	3,980.20	564.19
21 05 23 00-0083			Ball Valves <small>(21 05 23)</small>		
21 05 23 00-0084			Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728) <small>(21 05 23 00-0083)</small>		
21 05 23 00-0085	EA		1" Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728)	404.86	11.95
21 05 23 00-0086	EA		1-1/4" Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728)	440.88	12.71
21 05 23 00-0087	EA		1-1/2" Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728)	521.46	14.71
21 05 23 00-0088	EA		2" Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728)	627.64	17.39
21 05 23 00-0089			TESTanDRAIN® Valve <small>(21 05 23)</small>		
21 05 23 00-0090	EA		1/4" 3-Way Globe Valve With 1/4" NPT Test Port (AGF 7600)	138.89	10.78
21 05 23 00-0091	EA		1" Threaded TESTanDRAIN® Valve (AGF 1000)	157.46	13.02
21 05 23 00-0092	EA		1-1/4" Threaded TESTanDRAIN® Valve (AGF 1000)	192.90	16.47
21 05 23 00-0093	EA		1-1/2" Threaded TESTanDRAIN® Valve (AGF 1000)	296.64	19.02
21 05 23 00-0094	EA		2" Threaded TESTanDRAIN® Valve (AGF 1000)	313.45	22.45
21 05 23 00-0095	EA		1" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011)	217.81	13.02
21 05 23 00-0096	EA		1-1/4" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011)	252.67	16.47
21 05 23 00-0097	EA		1-1/2" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011)	358.22	19.02
21 05 23 00-0098	EA		2" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011)	376.68	22.45

21 05 29 Hangers And Supports For Fire-Suppression Piping And Equipment (21 05)

21 Fire Suppression**21 05 Common Work Results for Fire Suppression****21 05 29 Hangers And Supports For Fire-Suppression Piping And Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

See CSI section 23 05 29 00-0000 for hangers and supports.

21 05 48 Vibration And Seismic Controls for Fire-Suppression Piping and Equipment ^(21 05)**21 05 48 13 Vibration Controls For Fire-Suppression Piping And Equipment** ^(21 05 48)

See CSI section 23 05 48 13-0000 for vibration and seismic control.

21 05 53 Identification For Fire-Suppression Piping And Equipment ^(21 05)

See CSI section 23 05 53 00-0000 for identification.

21 07 Fire-Suppression Systems Insulation ⁽²¹⁾**21 07 16 Fire-Suppression Equipment Insulation** ^(21 07)

See CSI section 23 07 16 00-0000 for fire-suppression equipment insulation.

21 07 19 Fire-Suppression Piping Insulation ^(21 07)

See CSI section 22 07 19 00-0000 for fire-suppression piping insulation.

21 10 Water-Based Fire-Suppression Systems ⁽²¹⁾

See CSI section 22 11 16 00-0345 for copper pipe, 22 11 16 00-0889 for CPVC pipe, 23 05 23 00-0057 for OS&Y gate valves, 23 21 13 23-0000 for black steel piping.

21 11 Facility Fire-Suppression Water-Service Piping ^(21 10)**21 11 19 Fire-Department Connections** ^(21 11)**21 11 19 00-0001 Fire Department Connections** ^(21 11 19)

21 11 19 00-0002	EA	4" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass	.....694.95	241.03
		<i>For Polished Chrome, Add</i>	41.23	
21 11 19 00-0003	EA	6" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass	.....961.46	301.28
		<i>For Polished Chrome, Add</i>	63.10	
21 11 19 00-0004	EA	4" x 3" x 3" Siamese Connection, Polished Brass	.....1,004.71	241.03
		<i>For Polished Chrome, Add</i>	79.93	
21 11 19 00-0005	EA	6" x 3" x 3" Siamese Connection, Polished Brass	.....1,324.94	301.28
		<i>For Polished Chrome, Add</i>	108.54	
21 11 19 00-0006	EA	6" x 2-1/2" x 2-1/2" x 2-1/2" Siamese Connection, Three Way, Polished Brass	.....1,413.79	301.28
		<i>For Polished Chrome, Add</i>	119.64	
21 11 19 00-0007	EA	Sidewalk Type Connection With Plug And Chain, Polished Brass	.....1,221.09	318.87
		<i>For Polished Chrome, Add</i>	92.27	
21 11 19 00-0008	EA	Wall Type Connection With Plug And Chain, Polished Brass	.....788.67	241.03
		<i>For Polished Chrome, Add</i>	52.94	

21 11 19 00-0009 Wall Type Indicator Post, Wheel Operated ^(21 11 19)

See CSI section 33 14 19 00-0152 for adjustable indicator post accessory for ground valves.

21 11 19 00-0010	EA	Wall Type Indicator Post With Wall Flange For Valve (Victaulic 773)1,010.73	250.68
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21 11 19 00-0011 Upright Indicator Post, Wheel Operated ^(21 11 19)

21 11 19 00-0012	EA	Upright Indicator Post With Flange For Valve (Victaulic 774)6,238.90	250.68
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21 12 Fire-Suppression Standpipes ^(21 10)**21 12 13 Fire-Suppression Hoses And Nozzles** ^(21 12)**21 12 13 00-0001 Fire Hose** ^(21 12 13)**21 12 13 00-0002 Fire Hose Without Couplings** ^(21 12 13 00-0001)

21 12 13 00-0003	LF	1-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	.....2.01	1.50
21 12 13 00-0004	LF	2-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	.....2.36	1.50
21 12 13 00-0005	LF	2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	.....2.12	1.50
21 12 13 00-0006	LF	3" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	.....2.51	1.50
21 12 13 00-0007	LF	1-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings	.....2.31	1.50
21 12 13 00-0008	LF	2-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings	.....2.91	1.50
21 12 13 00-0009	LF	1-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings	.....2.40	1.50
21 12 13 00-0010	LF	2-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings	.....3.10	1.50

21 12 13 00-0011 Fire Hose With Aluminum Couplings ^(21 12 13 00-0001)

21 12 13 00-0012	LF	1-3/4" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	.....4.49	0.83
21 12 13 00-0013	LF	2-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	.....5.59	0.98
21 12 13 00-0014	LF	3-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	.....9.37	0.98

21 12 13 00-0015 Fire Hose Accessories ^(21 12 13 00-0001)

21 12 13 00-0016	EA	Hose Coupling With 1-1/2" Pin Lug	.....89.48	24.84
21 12 13 00-0017	EA	Hose Coupling With 2-1/2" Pin Lug	.....131.36	27.85
21 12 13 00-0018	EA	1-1/2" x 10" Brass Straight Nozzle	.....60.15	19.57
21 12 13 00-0019	EA	2-1/2" x 12" Brass Straight Nozzle116.56	19.57



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 12 13 00-0020 EA 1-1/2" Brass Fog Type Nozzle	92.99	19.57
21 12 13 00-0021 EA 2-1/2" Brass Fog Type Nozzle	132.63	19.57
21 12 13 00-0022 EA 1-1/2" Brass 100' Hose Rack	209.30	82.80
21 12 13 00-0023 EA 2-1/2" Brass 100' Hose Rack	286.16	82.80

21 12 23 Fire-Suppression Hose Valves (21 12)

21 12 23 00-0001 Standpipe Valves (21 12 23)

21 12 23 00-0002 EA 2-1/2" Fire Department Valve, Polished Brass With Plug And Chain	408.76	159.44
<i>For Polished Chrome, Add</i>	25.10	
21 12 23 00-0003 EA 2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass	606.79	159.36
<i>For Polished Chrome, Add</i>	54.80	
21 12 23 00-0004 EA 2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass	765.13	172.39
<i>For Polished Chrome, Add</i>	75.58	
21 12 23 00-0005 EA 3" x 3" x 4" Fire Department Valve, Flush, Polished Brass	892.16	159.36
<i>For Polished Chrome, Add</i>	97.61	
21 12 23 00-0006 EA 3" x 3" x 6" Fire Department Valve, Flush, Polished Brass	1,040.16	172.39
<i>For Polished Chrome, Add</i>	116.84	
21 12 23 00-0007 EA 2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass	576.46	159.36
<i>For Polished Chrome, Add</i>	50.25	
21 12 23 00-0008 EA 2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass	812.69	172.39
<i>For Polished Chrome, Add</i>	82.72	
21 12 23 00-0009 EA 2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass	1,010.95	164.53
<i>For Polished Chrome, Add</i>	91.40	
21 12 23 00-0010 EA 2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass	1,419.50	182.79
<i>For Polished Chrome, Add</i>	137.10	
21 12 23 00-0011 EA 2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass	1,079.19	164.53
<i>For Polished Chrome, Add</i>	99.59	
21 12 23 00-0012 EA 2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass	1,522.32	182.79
<i>For Polished Chrome, Add</i>	149.44	
21 12 23 00-0013 EA 2-1/2" x 2-1/2" x 2-1/2" x 2-1/2" 6" Fire Department Valve, Square, Flush, Polished Brass	3,465.12	219.32
<i>For Polished Chrome, Add</i>	313.27	

21 12 23 00-0014 Fire Hose Angle Valves (21 12 23)

21 12 23 00-0015 EA 1-1/2", 300 LB Rated, Cast Brass, Fire Hose Angle Valve	135.53	20.33
21 12 23 00-0016 EA 1-1/2", 300 LB Rated, Polished Brass, Fire Hose Angle Valve	160.38	20.33
21 12 23 00-0017 EA 1-1/2", 300 LB Rated, Rough Chrome Plated, Fire Hose Angle Valve	151.34	20.33
21 12 23 00-0018 EA 1-1/2", 300 LB Rated, Polished Chrome Plated, Fire Hose Angle Valve	176.19	20.33
21 12 23 00-0019 EA 2-1/2", 300 LB Rated, Cast Brass, Fire Hose Angle Valve	240.19	33.87
21 12 23 00-0020 EA 2-1/2", 300 LB Rated, Polished Brass, Fire Hose Angle Valve	276.33	33.87
21 12 23 00-0021 EA 2-1/2", 300 LB Rated, Rough Chrome Plated, Fire Hose Angle Valve	279.35	33.87
21 12 23 00-0022 EA 2-1/2", 300 LB Rated, Polished Chrome Plated, Fire Hose Angle Valve	315.49	33.87

21 12 29 Fire-Suppression Fire Hose Equipment (21 12)

21 12 29 00-0001 Standpipe And Fire Hose Equipment (21 12 29)

21 12 29 00-0002 EA 2-1/2" x 2-1/2" x 2-1/2" x 4" Manifold Roof Type, Vertical, Polished Brass	1,451.19	395.23
21 12 29 00-0003 EA Water Motor Gong	499.35	114.99
21 12 29 00-0004 EA Fire Riser Flow Switch (NFPA 13)	382.99	13.38
21 12 29 00-0005 EA Water Flow Supervisory (Tammer) Switch Mounted On Valve	145.79	22.88
21 12 29 00-0006 EA Lever Type Bleeder Valve (Potter BVL)	102.70	22.88

21 12 29 00-0007 Water Flow Detector (21 12 29)

21 12 29 00-0008 Pressure-Type Water Flow Detector (21 12 29 00-0007)

21 12 29 00-0009 EA Pressure-Type Water Flow Detector For Up To 2-1/2" Pipe	242.68	70.42
21 12 29 00-0010 EA Pressure-Type Water Flow Detector For >2-1/2" To 4" Pipe	350.28	93.30
21 12 29 00-0011 EA Pressure-Type Water Flow Detector For >4" To 8" Pipe	531.18	105.63

21 12 29 00-0012 Vane-Type Water Flow Detector (21 12 29 00-0007)

21 12 29 00-0013 EA Vane-Type Water Flow Detector For Up To 2-1/2" Pipe	297.81	70.42
21 12 29 00-0014 EA Vane-Type Water Flow Detector For >2-1/2" To 4" Pipe	417.81	93.30
21 12 29 00-0015 EA Vane-Type Water Flow Detector For >4" To 8" Pipe	638.23	105.63

21 13 Fire-Suppression Sprinkler Systems (21 10)

21 13 13 Wet-Pipe Sprinkler Systems (21 13)

21 13 13 00-0001 Complete Wet-Pipe Sprinkler Systems (21 13 13)

Note: Includes complete design per NFPA 13, 13D or 13R and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc) from riser pipe and mains. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks.

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0002			Light Hazard, Complete Wet-Pipe Sprinkler Systems (21 13 13 00-0001)		
21 13 13 00-0003	EA		Exposed Piping, Light Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....	313.59	
			Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			For Copper Pipe, Add	37.39	
			For Polyvinyl Chloride (PVC) Pipe, Deduct	-53.06	
			For Up To 5, Add	144.74	
			For >5 To 10, Add	91.68	
			For >10 To 20, Add	60.32	
			For >20 To 40, Add	25.33	
			For >100 To 150, Deduct	-31.36	
			For >150, Deduct	-62.72	
21 13 13 00-0004	EA		Concealed Piping, Light Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....	414.67	
			Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
			For Copper Pipe, Add	47.99	
			For Polyvinyl Chloride (PVC) Pipe, Deduct	-68.72	
			For Up To 5, Add	194.30	
			For >5 To 10, Add	125.58	
			For >10 To 20, Add	84.11	
			For >20 To 40, Add	34.95	
			For >100 To 150, Deduct	-41.47	
			For >150, Deduct	-82.93	
21 13 13 00-0005			Ordinary Hazard, Complete Wet-Pipe Sprinkler Systems (21 13 13 00-0001)		
21 13 13 00-0006	EA		Exposed Piping, Ordinary Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....	312.39	
			Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			For Copper Pipe, Add	37.32	
			For Polyvinyl Chloride (PVC) Pipe, Deduct	-52.94	
			For Up To 5, Add	144.03	
			For >5 To 10, Add	91.09	
			For >10 To 20, Add	59.85	
			For >20 To 40, Add	25.16	
			For >100 To 150, Deduct	-31.24	
			For >150, Deduct	-62.48	
21 13 13 00-0007	EA		Concealed Piping, Ordinary Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....	411.00	
			Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
			For Copper Pipe, Add	47.62	
			For Polyvinyl Chloride (PVC) Pipe, Deduct	-68.17	
			For Up To 5, Add	192.45	
			For >5 To 10, Add	124.28	
			For >10 To 20, Add	83.18	
			For >20 To 40, Add	34.58	
			For >100 To 150, Deduct	-41.10	
			For >150, Deduct	-82.20	
21 13 13 00-0008			Extra Hazard, Complete Wet-Pipe Sprinkler Systems (21 13 13 00-0001)		
21 13 13 00-0009	EA		Exposed Piping, Extra Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....	289.06	
			Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			For Copper Pipe, Add	34.48	
			For Polyvinyl Chloride (PVC) Pipe, Deduct	-48.93	
			For Up To 5, Add	133.39	
			For >5 To 10, Add	84.46	
			For >10 To 20, Add	55.55	
			For >20 To 40, Add	23.34	
			For >100 To 150, Deduct	-28.91	
			For >150, Deduct	-57.81	
21 13 13 00-0010	EA		Concealed Piping, Extra Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....	381.03	
			Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
			For Copper Pipe, Add	44.09	
			For Polyvinyl Chloride (PVC) Pipe, Deduct	-63.14	
			For Up To 5, Add	178.55	
			For >5 To 10, Add	115.41	
			For >10 To 20, Add	77.31	
			For >20 To 40, Add	32.12	
			For >100 To 150, Deduct	-38.10	
			For >150, Deduct	-76.21	
21 13 13 00-0011			Wet-Pipe Sprinkler Components (21 13 13)		
			Note: Excludes hydraulic calculations.		
21 13 13 00-0012			Wet-Pipe Alarm Valves (21 13 13 00-0011)		
21 13 13 00-0013	EA		2" Wet-Pipe Alarm Valve.....	1,306.86	598.75
21 13 13 00-0014	EA		3" Wet-Pipe Alarm Valve.....	1,757.74	817.34
21 13 13 00-0015	EA		4" Wet-Pipe Alarm Valve.....	2,792.27	1,144.28
21 13 13 00-0016	EA		6" Wet-Pipe Alarm Valve.....	3,201.86	1,352.01
21 13 13 00-0017	EA		8" Wet-Pipe Alarm Valve.....	4,438.02	1,487.21
21 13 13 00-0018			Wet-Pipe Sprinkler Heads (21 13 13 00-0011)		
21 13 13 00-0019			Upright Wet-Pipe Sprinkler Heads (21 13 13 00-0018)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0020 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Brass Wet Pipe Sprinkler Head	48.75	8.47
For >25 To 50, Deduct	-1.69	
For >50 To 100, Deduct	-4.13	
For >100 To 500, Deduct	-6.94	
For >500 To 1,000, Deduct	-14.53	
For >1,000, Deduct	-21.31	
21 13 13 00-0021 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Chrome Wet Pipe Sprinkler Head.....	50.27	8.47
For >25 To 50, Deduct	-1.69	
For >50 To 100, Deduct	-4.21	
For >100 To 500, Deduct	-7.13	
For >500 To 1,000, Deduct	-14.81	
For >1,000, Deduct	-21.58	
21 13 13 00-0022 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	51.23	8.47
For >25 To 50, Deduct	-1.69	
For >50 To 100, Deduct	-4.26	
For >100 To 500, Deduct	-7.25	
For >500 To 1,000, Deduct	-14.98	
For >1,000, Deduct	-21.75	
21 13 13 00-0023 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head.....	49.51	8.47
For >25 To 50, Deduct	-1.69	
For >50 To 100, Deduct	-4.17	
For >100 To 500, Deduct	-7.04	
For >500 To 1,000, Deduct	-14.67	
For >1,000, Deduct	-21.44	
21 13 13 00-0024 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head.....	51.09	8.47
For >25 To 50, Deduct	-1.69	
For >50 To 100, Deduct	-4.25	
For >100 To 500, Deduct	-7.23	
For >500 To 1,000, Deduct	-14.95	
For >1,000, Deduct	-21.73	
21 13 13 00-0025 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	52.09	8.47
For >25 To 50, Deduct	-1.69	
For >50 To 100, Deduct	-4.30	
For >100 To 500, Deduct	-7.36	
For >500 To 1,000, Deduct	-15.13	
For >1,000, Deduct	-21.91	
21 13 13 00-0026 EA 1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Brass Wet Pipe Sprinkler Head	59.43	8.47
For >25 To 50, Deduct	-1.69	
For >50 To 100, Deduct	-4.67	
For >100 To 500, Deduct	-8.28	
For >500 To 1,000, Deduct	-16.46	
For >1,000, Deduct	-23.23	
21 13 13 00-0027 EA 1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	63.50	8.47
For >25 To 50, Deduct	-1.69	
For >50 To 100, Deduct	-4.87	
For >100 To 500, Deduct	-8.78	
For >500 To 1,000, Deduct	-17.19	
For >1,000, Deduct	-23.96	
21 13 13 00-0028 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Brass Wet Pipe Sprinkler Head.....	59.43	8.47
For >25 To 50, Deduct	-1.69	
For >50 To 100, Deduct	-4.67	
For >100 To 500, Deduct	-8.28	
For >500 To 1,000, Deduct	-16.46	
For >1,000, Deduct	-23.23	
21 13 13 00-0029 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	63.50	8.47
For >25 To 50, Deduct	-1.69	
For >50 To 100, Deduct	-4.87	
For >100 To 500, Deduct	-8.78	
For >500 To 1,000, Deduct	-17.19	
For >1,000, Deduct	-23.96	
21 13 13 00-0030 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Brass Wet Pipe Sprinkler Head	54.18	8.47
For >25 To 50, Deduct	-1.69	
For >50 To 100, Deduct	-4.40	
For >100 To 500, Deduct	-7.62	
For >500 To 1,000, Deduct	-15.51	
For >1,000, Deduct	-22.28	
21 13 13 00-0031 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	56.16	8.47
For >25 To 50, Deduct	-1.69	
For >50 To 100, Deduct	-4.50	
For >100 To 500, Deduct	-7.87	
For >500 To 1,000, Deduct	-15.87	
For >1,000, Deduct	-22.64	
21 13 13 00-0032 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Brass Wet Pipe Sprinkler Head.....	55.74	9.41
For >25 To 50, Deduct	-1.88	
For >50 To 100, Deduct	-4.67	
For >100 To 500, Deduct	-7.91	
For >500 To 1,000, Deduct	-16.43	
For >1,000, Deduct	-23.96	
21 13 13 00-0033 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	58.06	9.41
For >25 To 50, Deduct	-1.88	
For >50 To 100, Deduct	-4.79	
For >100 To 500, Deduct	-8.20	
For >500 To 1,000, Deduct	-16.85	
For >1,000, Deduct	-24.38	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0034	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	58.53	9.41
			For >25 To 50, Deduct	-1.88	
			For >50 To 100, Deduct	-4.81	
			For >100 To 500, Deduct	-8.26	
			For >500 To 1,000, Deduct	-16.93	
			For >1,000, Deduct	-24.46	
21 13 13 00-0035	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head.....	55.74	9.41
			For >25 To 50, Deduct	-1.88	
			For >50 To 100, Deduct	-4.67	
			For >100 To 500, Deduct	-7.91	
			For >500 To 1,000, Deduct	-16.43	
			For >1,000, Deduct	-23.96	
21 13 13 00-0036	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head.....	58.06	9.41
			For >25 To 50, Deduct	-1.88	
			For >50 To 100, Deduct	-4.79	
			For >100 To 500, Deduct	-8.20	
			For >500 To 1,000, Deduct	-16.85	
			For >1,000, Deduct	-24.38	
21 13 13 00-0037	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	58.53	9.41
			For >25 To 50, Deduct	-1.88	
			For >50 To 100, Deduct	-4.81	
			For >100 To 500, Deduct	-8.26	
			For >500 To 1,000, Deduct	-16.93	
			For >1,000, Deduct	-24.46	
21 13 13 00-0038	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright Brass Wet Pipe Sprinkler Head.....	53.13	8.47
			For >25 To 50, Deduct	-1.69	
			For >50 To 100, Deduct	-4.35	
			For >100 To 500, Deduct	-7.49	
			For >500 To 1,000, Deduct	-15.32	
			For >1,000, Deduct	-22.10	
21 13 13 00-0039	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright Chrome Wet Pipe Sprinkler Head.....	54.64	8.47
			For >25 To 50, Deduct	-1.69	
			For >50 To 100, Deduct	-4.43	
			For >100 To 500, Deduct	-7.68	
			For >500 To 1,000, Deduct	-15.59	
			For >1,000, Deduct	-22.37	
21 13 13 00-0040	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	54.94	8.47
			For >25 To 50, Deduct	-1.69	
			For >50 To 100, Deduct	-4.44	
			For >100 To 500, Deduct	-7.71	
			For >500 To 1,000, Deduct	-15.65	
			For >1,000, Deduct	-22.42	
21 13 13 00-0041	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Brass Wet Pipe Sprinkler Head.....	53.13	8.47
			For >25 To 50, Deduct	-1.69	
			For >50 To 100, Deduct	-4.35	
			For >100 To 500, Deduct	-7.49	
			For >500 To 1,000, Deduct	-15.32	
			For >1,000, Deduct	-22.10	
21 13 13 00-0042	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Chrome Wet Pipe Sprinkler Head.....	54.64	8.47
			For >25 To 50, Deduct	-1.69	
			For >50 To 100, Deduct	-4.43	
			For >100 To 500, Deduct	-7.68	
			For >500 To 1,000, Deduct	-15.59	
			For >1,000, Deduct	-22.37	
21 13 13 00-0043	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	54.94	8.47
			For >25 To 50, Deduct	-1.69	
			For >50 To 100, Deduct	-4.44	
			For >100 To 500, Deduct	-7.71	
			For >500 To 1,000, Deduct	-15.65	
			For >1,000, Deduct	-22.42	
21 13 13 00-0044	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Combustible Concealed Space, Upright Brass Wet Pipe Sprinkler Head.....	54.93	8.47
			For >25 To 50, Deduct	-1.69	
			For >50 To 100, Deduct	-4.44	
			For >100 To 500, Deduct	-7.71	
			For >500 To 1,000, Deduct	-15.65	
			For >1,000, Deduct	-22.42	
21 13 13 00-0045	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head.....	71.99	9.41
			For >25 To 50, Deduct	-1.88	
			For >50 To 100, Deduct	-5.48	
			For >100 To 500, Deduct	-9.94	
			For >500 To 1,000, Deduct	-19.36	
			For >1,000, Deduct	-26.89	
21 13 13 00-0046	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head.....	73.74	9.41
			For >25 To 50, Deduct	-1.88	
			For >50 To 100, Deduct	-5.57	
			For >100 To 500, Deduct	-10.16	
			For >500 To 1,000, Deduct	-19.67	
			For >1,000, Deduct	-27.20	
21 13 13 00-0047	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	73.74	9.41
			For >25 To 50, Deduct	-1.88	
			For >50 To 100, Deduct	-5.57	
			For >100 To 500, Deduct	-10.16	
			For >500 To 1,000, Deduct	-19.67	
			For >1,000, Deduct	-27.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0048 EA 3/4" NPT Thread, K=11.2, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head	60.23	9.41
<i>For >25 To 50, Deduct</i>	-1.88	
<i>For >50 To 100, Deduct</i>	-4.89	
<i>For >100 To 500, Deduct</i>	-8.47	
<i>For >500 To 1,000, Deduct</i>	-17.24	
<i>For >1,000, Deduct</i>	-24.77	
21 13 13 00-0049 EA 3/4" NPT Thread, K=11.2, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head.....	61.43	9.41
<i>For >25 To 50, Deduct</i>	-1.88	
<i>For >50 To 100, Deduct</i>	-4.95	
<i>For >100 To 500, Deduct</i>	-8.62	
<i>For >500 To 1,000, Deduct</i>	-17.46	
<i>For >1,000, Deduct</i>	-24.98	
21 13 13 00-0050 EA 3/4" NPT Thread, K=11.2, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	61.43	9.41
<i>For >25 To 50, Deduct</i>	-1.88	
<i>For >50 To 100, Deduct</i>	-4.95	
<i>For >100 To 500, Deduct</i>	-8.62	
<i>For >500 To 1,000, Deduct</i>	-17.46	
<i>For >1,000, Deduct</i>	-24.98	
21 13 13 00-0051 EA 1/2" NPT Thread, K=5.6, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head.....	158.05	8.47
<i>For >25 To 50, Deduct</i>	-1.69	
<i>For >50 To 100, Deduct</i>	-9.60	
<i>For >100 To 500, Deduct</i>	-20.60	
<i>For >500 To 1,000, Deduct</i>	-34.21	
<i>For >1,000, Deduct</i>	-40.98	
21 13 13 00-0052 EA 3/4" NPT Thread, K=8.0, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head.....	174.12	9.41
<i>For >25 To 50, Deduct</i>	-1.88	
<i>For >50 To 100, Deduct</i>	-10.59	
<i>For >100 To 500, Deduct</i>	-22.71	
<i>For >500 To 1,000, Deduct</i>	-37.74	
<i>For >1,000, Deduct</i>	-45.27	
21 13 13 00-0053 EA 1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head.....	88.24	8.47
<i>For >25 To 50, Deduct</i>	-1.69	
<i>For >50 To 100, Deduct</i>	-6.11	
<i>For >100 To 500, Deduct</i>	-11.88	
<i>For >500 To 1,000, Deduct</i>	-21.64	
<i>For >1,000, Deduct</i>	-28.42	
21 13 13 00-0054 EA 1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head.....	106.43	8.47
<i>For >25 To 50, Deduct</i>	-1.69	
<i>For >50 To 100, Deduct</i>	-7.02	
<i>For >100 To 500, Deduct</i>	-14.15	
<i>For >500 To 1,000, Deduct</i>	-24.92	
<i>For >1,000, Deduct</i>	-31.69	
21 13 13 00-0055 EA 1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Brass Wet Pipe Sprinkler Head.....	182.48	8.47
<i>For >25 To 50, Deduct</i>	-1.69	
<i>For >50 To 100, Deduct</i>	-10.82	
<i>For >100 To 500, Deduct</i>	-23.66	
<i>For >500 To 1,000, Deduct</i>	-38.60	
<i>For >1,000, Deduct</i>	-45.38	
21 13 13 00-0056 EA 1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Chrome Wet Pipe Sprinkler Head.....	229.87	8.47
<i>For >25 To 50, Deduct</i>	-1.69	
<i>For >50 To 100, Deduct</i>	-13.19	
<i>For >100 To 500, Deduct</i>	-29.58	
<i>For >500 To 1,000, Deduct</i>	-47.13	
<i>For >1,000, Deduct</i>	-53.91	
21 13 13 00-0057 EA 3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head.....	110.20	9.41
<i>For >25 To 50, Deduct</i>	-1.88	
<i>For >50 To 100, Deduct</i>	-7.39	
<i>For >100 To 500, Deduct</i>	-14.72	
<i>For >500 To 1,000, Deduct</i>	-26.23	
<i>For >1,000, Deduct</i>	-33.76	
21 13 13 00-0058 EA 3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head.....	110.75	9.41
<i>For >25 To 50, Deduct</i>	-1.88	
<i>For >50 To 100, Deduct</i>	-7.42	
<i>For >100 To 500, Deduct</i>	-14.78	
<i>For >500 To 1,000, Deduct</i>	-26.33	
<i>For >1,000, Deduct</i>	-33.86	
21 13 13 00-0059 Conventional Wet-Pipe Sprinkler Heads <small>(21 13 13 00-0018)</small>	48.75	8.47
21 13 13 00-0060 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Brass Wet Pipe Sprinkler Head.....	48.75	8.47
<i>For >25 To 50, Deduct</i>	-1.69	
<i>For >50 To 100, Deduct</i>	-4.13	
<i>For >100 To 500, Deduct</i>	-6.94	
<i>For >500 To 1,000, Deduct</i>	-14.53	
<i>For >1,000, Deduct</i>	-21.31	
21 13 13 00-0061 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Chrome Wet Pipe Sprinkler Head.....	50.27	8.47
<i>For >25 To 50, Deduct</i>	-1.69	
<i>For >50 To 100, Deduct</i>	-4.21	
<i>For >100 To 500, Deduct</i>	-7.13	
<i>For >500 To 1,000, Deduct</i>	-14.81	
<i>For >1,000, Deduct</i>	-21.58	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0062	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional White Polyester Coated Wet Pipe Sprinkler Head.....	51.23	8.47
			<i>For >25 To 50, Deduct</i>	-1.69	
			<i>For >50 To 100, Deduct</i>	-4.26	
			<i>For >100 To 500, Deduct</i>	-7.25	
			<i>For >500 To 1,000, Deduct</i>	-14.98	
			<i>For >1,000, Deduct</i>	-21.75	
21 13 13 00-0063	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Brass Wet Pipe Sprinkler Head.....	56.28	9.41
			<i>For >25 To 50, Deduct</i>	-1.88	
			<i>For >50 To 100, Deduct</i>	-4.70	
			<i>For >100 To 500, Deduct</i>	-7.98	
			<i>For >500 To 1,000, Deduct</i>	-16.53	
			<i>For >1,000, Deduct</i>	-24.06	
21 13 13 00-0064	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Chrome Wet Pipe Sprinkler Head	58.06	9.41
			<i>For >25 To 50, Deduct</i>	-1.88	
			<i>For >50 To 100, Deduct</i>	-4.79	
			<i>For >100 To 500, Deduct</i>	-8.20	
			<i>For >500 To 1,000, Deduct</i>	-16.85	
			<i>For >1,000, Deduct</i>	-24.38	
21 13 13 00-0065	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional White Polyester Coated Wet Pipe Sprinkler Head.....	58.33	9.41
			<i>For >25 To 50, Deduct</i>	-1.88	
			<i>For >50 To 100, Deduct</i>	-4.80	
			<i>For >100 To 500, Deduct</i>	-8.23	
			<i>For >500 To 1,000, Deduct</i>	-16.90	
			<i>For >1,000, Deduct</i>	-24.43	
21 13 13 00-0066	EA		1/2" NPT Thread, K=5.6, Quick Response, Conventional Stainless Steel Wet Pipe Sprinkler Head.....	158.05	8.47
			<i>For >25 To 50, Deduct</i>	-1.69	
			<i>For >50 To 100, Deduct</i>	-9.60	
			<i>For >100 To 500, Deduct</i>	-20.60	
			<i>For >500 To 1,000, Deduct</i>	-34.21	
			<i>For >1,000, Deduct</i>	-40.98	
21 13 13 00-0067			Pendant Wet-Pipe Sprinkler Heads <small>(21 13 13 00-0018)</small>		
			See CSI section 21 13 13 00-0203 for escutcheon for recessed pendent sprinkler head.		
21 13 13 00-0068	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head.....	48.75	8.47
			<i>For >25 To 50, Deduct</i>	-1.69	
			<i>For >50 To 100, Deduct</i>	-4.13	
			<i>For >100 To 500, Deduct</i>	-6.94	
			<i>For >500 To 1,000, Deduct</i>	-14.53	
			<i>For >1,000, Deduct</i>	-21.31	
21 13 13 00-0069	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head.....	50.27	8.47
			<i>For >25 To 50, Deduct</i>	-1.69	
			<i>For >50 To 100, Deduct</i>	-4.21	
			<i>For >100 To 500, Deduct</i>	-7.13	
			<i>For >500 To 1,000, Deduct</i>	-14.81	
			<i>For >1,000, Deduct</i>	-21.58	
21 13 13 00-0070	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head	51.23	8.47
			<i>For >25 To 50, Deduct</i>	-1.69	
			<i>For >50 To 100, Deduct</i>	-4.26	
			<i>For >100 To 500, Deduct</i>	-7.25	
			<i>For >500 To 1,000, Deduct</i>	-14.98	
			<i>For >1,000, Deduct</i>	-21.75	
21 13 13 00-0071	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	55.74	9.41
			<i>For >25 To 50, Deduct</i>	-1.88	
			<i>For >50 To 100, Deduct</i>	-4.67	
			<i>For >100 To 500, Deduct</i>	-7.91	
			<i>For >500 To 1,000, Deduct</i>	-16.43	
			<i>For >1,000, Deduct</i>	-23.96	
21 13 13 00-0072	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head.....	58.06	9.41
			<i>For >25 To 50, Deduct</i>	-1.88	
			<i>For >50 To 100, Deduct</i>	-4.79	
			<i>For >100 To 500, Deduct</i>	-8.20	
			<i>For >500 To 1,000, Deduct</i>	-16.85	
			<i>For >1,000, Deduct</i>	-24.38	
21 13 13 00-0073	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	58.53	9.41
			<i>For >25 To 50, Deduct</i>	-1.88	
			<i>For >50 To 100, Deduct</i>	-4.81	
			<i>For >100 To 500, Deduct</i>	-8.26	
			<i>For >500 To 1,000, Deduct</i>	-16.93	
			<i>For >1,000, Deduct</i>	-24.46	
21 13 13 00-0074	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent Brass Wet Pipe Sprinkler Head.....	53.13	8.47
			<i>For >25 To 50, Deduct</i>	-1.69	
			<i>For >50 To 100, Deduct</i>	-4.35	
			<i>For >100 To 500, Deduct</i>	-7.49	
			<i>For >500 To 1,000, Deduct</i>	-15.32	
			<i>For >1,000, Deduct</i>	-22.10	
21 13 13 00-0075	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent Chrome Wet Pipe Sprinkler Head.....	54.64	8.47
			<i>For >25 To 50, Deduct</i>	-1.69	
			<i>For >50 To 100, Deduct</i>	-4.43	
			<i>For >100 To 500, Deduct</i>	-7.68	
			<i>For >500 To 1,000, Deduct</i>	-15.59	
			<i>For >1,000, Deduct</i>	-22.37	



Fire Suppression	21	12
Water-Based Fire-Suppression Systems	21 10	
Fire-Suppression Sprinkler Systems	21 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0076 EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	54.94	8.47
For >25 To 50, Deduct	-1.69	
For >50 To 100, Deduct	-4.44	
For >100 To 500, Deduct	-7.71	
For >500 To 1,000, Deduct	-15.65	
For >1,000, Deduct	-22.42	
21 13 13 00-0077 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head	53.13	8.47
For >25 To 50, Deduct	-1.69	
For >50 To 100, Deduct	-4.35	
For >100 To 500, Deduct	-7.49	
For >500 To 1,000, Deduct	-15.32	
For >1,000, Deduct	-22.10	
21 13 13 00-0078 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head.....	54.64	8.47
For >25 To 50, Deduct	-1.69	
For >50 To 100, Deduct	-4.43	
For >100 To 500, Deduct	-7.68	
For >500 To 1,000, Deduct	-15.59	
For >1,000, Deduct	-22.37	
21 13 13 00-0079 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	54.94	8.47
For >25 To 50, Deduct	-1.69	
For >50 To 100, Deduct	-4.44	
For >100 To 500, Deduct	-7.71	
For >500 To 1,000, Deduct	-15.65	
For >1,000, Deduct	-22.42	
21 13 13 00-0080 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head, Low Lead.....	53.13	8.47
For >25 To 50, Deduct	-1.69	
For >50 To 100, Deduct	-4.35	
For >100 To 500, Deduct	-7.49	
For >500 To 1,000, Deduct	-15.32	
For >1,000, Deduct	-22.10	
21 13 13 00-0081 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead	54.64	8.47
For >25 To 50, Deduct	-1.69	
For >50 To 100, Deduct	-4.43	
For >100 To 500, Deduct	-7.68	
For >500 To 1,000, Deduct	-15.59	
For >1,000, Deduct	-22.37	
21 13 13 00-0082 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead.....	54.94	8.47
For >25 To 50, Deduct	-1.69	
For >50 To 100, Deduct	-4.44	
For >100 To 500, Deduct	-7.71	
For >500 To 1,000, Deduct	-15.65	
For >1,000, Deduct	-22.42	
21 13 13 00-0083 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head, Low Lead.....	48.75	8.47
For >25 To 50, Deduct	-1.69	
For >50 To 100, Deduct	-4.13	
For >100 To 500, Deduct	-6.94	
For >500 To 1,000, Deduct	-14.53	
For >1,000, Deduct	-21.31	
21 13 13 00-0084 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead	50.27	8.47
For >25 To 50, Deduct	-1.69	
For >50 To 100, Deduct	-4.21	
For >100 To 500, Deduct	-7.13	
For >500 To 1,000, Deduct	-14.81	
For >1,000, Deduct	-21.58	
21 13 13 00-0085 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead.....	51.23	8.47
For >25 To 50, Deduct	-1.69	
For >50 To 100, Deduct	-4.26	
For >100 To 500, Deduct	-7.25	
For >500 To 1,000, Deduct	-14.98	
For >1,000, Deduct	-21.75	
21 13 13 00-0086 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head	49.51	8.47
For >25 To 50, Deduct	-1.69	
For >50 To 100, Deduct	-4.17	
For >100 To 500, Deduct	-7.04	
For >500 To 1,000, Deduct	-14.67	
For >1,000, Deduct	-21.44	
21 13 13 00-0087 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head.....	50.59	8.47
For >25 To 50, Deduct	-1.69	
For >50 To 100, Deduct	-4.22	
For >100 To 500, Deduct	-7.17	
For >500 To 1,000, Deduct	-14.86	
For >1,000, Deduct	-21.64	
21 13 13 00-0088 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	51.56	8.47
For >25 To 50, Deduct	-1.69	
For >50 To 100, Deduct	-4.27	
For >100 To 500, Deduct	-7.29	
For >500 To 1,000, Deduct	-15.04	
For >1,000, Deduct	-21.81	
21 13 13 00-0089 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head.....	57.17	9.41
For >25 To 50, Deduct	-1.88	
For >50 To 100, Deduct	-4.74	
For >100 To 500, Deduct	-8.09	
For >500 To 1,000, Deduct	-16.69	
For >1,000, Deduct	-24.22	

21	Fire Suppression
21 10	Water-Based Fire-Suppression Systems
21 13	Fire-Suppression Sprinkler Systems



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0090	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head.....	59.14	9.41
		<i>For >25 To 50, Deduct</i>	-1.88	
		<i>For >50 To 100, Deduct</i>	-4.84	
		<i>For >100 To 500, Deduct</i>	-8.33	
		<i>For >500 To 1,000, Deduct</i>	-17.04	
		<i>For >1,000, Deduct</i>	-24.57	
21 13 13 00-0091	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	59.14	9.41
		<i>For >25 To 50, Deduct</i>	-1.88	
		<i>For >50 To 100, Deduct</i>	-4.84	
		<i>For >100 To 500, Deduct</i>	-8.33	
		<i>For >500 To 1,000, Deduct</i>	-17.04	
		<i>For >1,000, Deduct</i>	-24.57	
21 13 13 00-0092	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	54.18	8.47
		<i>For >25 To 50, Deduct</i>	-1.69	
		<i>For >50 To 100, Deduct</i>	-4.40	
		<i>For >100 To 500, Deduct</i>	-7.62	
		<i>For >500 To 1,000, Deduct</i>	-15.51	
		<i>For >1,000, Deduct</i>	-22.28	
21 13 13 00-0093	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head.....	56.16	8.47
		<i>For >25 To 50, Deduct</i>	-1.69	
		<i>For >50 To 100, Deduct</i>	-4.50	
		<i>For >100 To 500, Deduct</i>	-7.87	
		<i>For >500 To 1,000, Deduct</i>	-15.87	
		<i>For >1,000, Deduct</i>	-22.64	
21 13 13 00-0094	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	59.13	8.47
		<i>For >25 To 50, Deduct</i>	-1.69	
		<i>For >50 To 100, Deduct</i>	-4.65	
		<i>For >100 To 500, Deduct</i>	-8.24	
		<i>For >500 To 1,000, Deduct</i>	-16.40	
		<i>For >1,000, Deduct</i>	-23.18	
21 13 13 00-0095	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head.....	62.38	8.47
		<i>For >25 To 50, Deduct</i>	-1.69	
		<i>For >50 To 100, Deduct</i>	-4.81	
		<i>For >100 To 500, Deduct</i>	-8.64	
		<i>For >500 To 1,000, Deduct</i>	-16.99	
		<i>For >1,000, Deduct</i>	-23.76	
21 13 13 00-0096	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	59.13	8.47
		<i>For >25 To 50, Deduct</i>	-1.69	
		<i>For >50 To 100, Deduct</i>	-4.65	
		<i>For >100 To 500, Deduct</i>	-8.24	
		<i>For >500 To 1,000, Deduct</i>	-16.40	
		<i>For >1,000, Deduct</i>	-23.18	
21 13 13 00-0097	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head.....	62.38	8.47
		<i>For >25 To 50, Deduct</i>	-1.69	
		<i>For >50 To 100, Deduct</i>	-4.81	
		<i>For >100 To 500, Deduct</i>	-8.64	
		<i>For >500 To 1,000, Deduct</i>	-16.99	
		<i>For >1,000, Deduct</i>	-23.76	
21 13 13 00-0098	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	51.61	8.47
		<i>For >25 To 50, Deduct</i>	-1.69	
		<i>For >50 To 100, Deduct</i>	-4.27	
		<i>For >100 To 500, Deduct</i>	-7.30	
		<i>For >500 To 1,000, Deduct</i>	-15.05	
		<i>For >1,000, Deduct</i>	-21.82	
21 13 13 00-0099	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	53.32	8.47
		<i>For >25 To 50, Deduct</i>	-1.69	
		<i>For >50 To 100, Deduct</i>	-4.36	
		<i>For >100 To 500, Deduct</i>	-7.51	
		<i>For >500 To 1,000, Deduct</i>	-15.36	
		<i>For >1,000, Deduct</i>	-22.13	
21 13 13 00-0100	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	54.21	8.47
		<i>For >25 To 50, Deduct</i>	-1.69	
		<i>For >50 To 100, Deduct</i>	-4.40	
		<i>For >100 To 500, Deduct</i>	-7.62	
		<i>For >500 To 1,000, Deduct</i>	-15.52	
		<i>For >1,000, Deduct</i>	-22.29	
21 13 13 00-0101	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	56.46	9.41
		<i>For >25 To 50, Deduct</i>	-1.88	
		<i>For >50 To 100, Deduct</i>	-4.71	
		<i>For >100 To 500, Deduct</i>	-8.00	
		<i>For >500 To 1,000, Deduct</i>	-16.56	
		<i>For >1,000, Deduct</i>	-24.09	
21 13 13 00-0102	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	58.14	9.41
		<i>For >25 To 50, Deduct</i>	-1.88	
		<i>For >50 To 100, Deduct</i>	-4.79	
		<i>For >100 To 500, Deduct</i>	-8.21	
		<i>For >500 To 1,000, Deduct</i>	-16.86	
		<i>For >1,000, Deduct</i>	-24.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0103 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	59.77	9.41
<i>For >25 To 50, Deduct</i>	-1.88	
<i>For >50 To 100, Deduct</i>	-4.87	
<i>For >100 To 500, Deduct</i>	-8.41	
<i>For >500 To 1,000, Deduct</i>	-17.16	
<i>For >1,000, Deduct</i>	-24.69	
21 13 13 00-0104 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	52.57	8.47
<i>For >25 To 50, Deduct</i>	-1.69	
<i>For >50 To 100, Deduct</i>	-4.32	
<i>For >100 To 500, Deduct</i>	-7.42	
<i>For >500 To 1,000, Deduct</i>	-15.22	
<i>For >1,000, Deduct</i>	-21.99	
21 13 13 00-0105 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	54.25	8.47
<i>For >25 To 50, Deduct</i>	-1.69	
<i>For >50 To 100, Deduct</i>	-4.41	
<i>For >100 To 500, Deduct</i>	-7.63	
<i>For >500 To 1,000, Deduct</i>	-15.52	
<i>For >1,000, Deduct</i>	-22.30	
21 13 13 00-0106 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	55.16	8.47
<i>For >25 To 50, Deduct</i>	-1.69	
<i>For >50 To 100, Deduct</i>	-4.45	
<i>For >100 To 500, Deduct</i>	-7.74	
<i>For >500 To 1,000, Deduct</i>	-15.69	
<i>For >1,000, Deduct</i>	-22.46	
21 13 13 00-0107 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	57.17	9.41
<i>For >25 To 50, Deduct</i>	-1.88	
<i>For >50 To 100, Deduct</i>	-4.74	
<i>For >100 To 500, Deduct</i>	-8.09	
<i>For >500 To 1,000, Deduct</i>	-16.69	
<i>For >1,000, Deduct</i>	-24.22	
21 13 13 00-0108 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	58.93	9.41
<i>For >25 To 50, Deduct</i>	-1.88	
<i>For >50 To 100, Deduct</i>	-4.83	
<i>For >100 To 500, Deduct</i>	-8.31	
<i>For >500 To 1,000, Deduct</i>	-17.01	
<i>For >1,000, Deduct</i>	-24.53	
21 13 13 00-0109 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	60.62	9.41
<i>For >25 To 50, Deduct</i>	-1.88	
<i>For >50 To 100, Deduct</i>	-4.91	
<i>For >100 To 500, Deduct</i>	-8.52	
<i>For >500 To 1,000, Deduct</i>	-17.31	
<i>For >1,000, Deduct</i>	-24.84	
21 13 13 00-0110 EA 1/2" NPT Thread, 1/2" Orifice, Decorative Pendent Chrome Wet Pipe Sprinkler Head.....	79.14	8.47
<i>For >25 To 50, Deduct</i>	-1.69	
<i>For >50 To 100, Deduct</i>	-5.65	
<i>For >100 To 500, Deduct</i>	-10.74	
<i>For >500 To 1,000, Deduct</i>	-20.00	
<i>For >1,000, Deduct</i>	-26.78	
21 13 13 00-0111 EA 1/2" NPT Thread, 1/2" Orifice, Decorative Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	79.14	8.47
<i>For >25 To 50, Deduct</i>	-1.69	
<i>For >50 To 100, Deduct</i>	-5.65	
<i>For >100 To 500, Deduct</i>	-10.74	
<i>For >500 To 1,000, Deduct</i>	-20.00	
<i>For >1,000, Deduct</i>	-26.78	
21 13 13 00-0112 EA 3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	61.98	9.41
<i>For >25 To 50, Deduct</i>	-1.88	
<i>For >50 To 100, Deduct</i>	-4.98	
<i>For >100 To 500, Deduct</i>	-8.69	
<i>For >500 To 1,000, Deduct</i>	-17.56	
<i>For >1,000, Deduct</i>	-25.08	
21 13 13 00-0113 EA 3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	63.27	9.41
<i>For >25 To 50, Deduct</i>	-1.88	
<i>For >50 To 100, Deduct</i>	-5.05	
<i>For >100 To 500, Deduct</i>	-8.85	
<i>For >500 To 1,000, Deduct</i>	-17.79	
<i>For >1,000, Deduct</i>	-25.32	
21 13 13 00-0114 EA 3/4" NPT Thread, K=14.0, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	63.27	9.41
<i>For >25 To 50, Deduct</i>	-1.88	
<i>For >50 To 100, Deduct</i>	-5.05	
<i>For >100 To 500, Deduct</i>	-8.85	
<i>For >500 To 1,000, Deduct</i>	-17.79	
<i>For >1,000, Deduct</i>	-25.32	
21 13 13 00-0115 EA 3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	60.23	9.41
<i>For >25 To 50, Deduct</i>	-1.88	
<i>For >50 To 100, Deduct</i>	-4.89	
<i>For >100 To 500, Deduct</i>	-8.47	
<i>For >500 To 1,000, Deduct</i>	-17.24	
<i>For >1,000, Deduct</i>	-24.77	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0116	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	61.43	9.41
			<i>For >25 To 50, Deduct</i>	-1.88	
			<i>For >50 To 100, Deduct</i>	-4.95	
			<i>For >100 To 500, Deduct</i>	-8.62	
			<i>For >500 To 1,000, Deduct</i>	-17.46	
			<i>For >1,000, Deduct</i>	-24.98	
21 13 13 00-0117	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	61.43	9.41
			<i>For >25 To 50, Deduct</i>	-1.88	
			<i>For >50 To 100, Deduct</i>	-4.95	
			<i>For >100 To 500, Deduct</i>	-8.62	
			<i>For >500 To 1,000, Deduct</i>	-17.46	
			<i>For >1,000, Deduct</i>	-24.98	
21 13 13 00-0118	EA		1/2" NPT Thread, K=5.6, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head	158.05	8.47
			<i>For >25 To 50, Deduct</i>	-1.69	
			<i>For >50 To 100, Deduct</i>	-9.60	
			<i>For >100 To 500, Deduct</i>	-20.60	
			<i>For >500 To 1,000, Deduct</i>	-34.21	
			<i>For >1,000, Deduct</i>	-40.98	
21 13 13 00-0119	EA		3/4" NPT Thread, K=8.0, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head	174.12	9.41
			<i>For >25 To 50, Deduct</i>	-1.88	
			<i>For >50 To 100, Deduct</i>	-10.59	
			<i>For >100 To 500, Deduct</i>	-22.71	
			<i>For >500 To 1,000, Deduct</i>	-37.74	
			<i>For >1,000, Deduct</i>	-45.27	
21 13 13 00-0120	EA		1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head	88.24	8.47
			<i>For >25 To 50, Deduct</i>	-1.69	
			<i>For >50 To 100, Deduct</i>	-6.11	
			<i>For >100 To 500, Deduct</i>	-11.88	
			<i>For >500 To 1,000, Deduct</i>	-21.64	
			<i>For >1,000, Deduct</i>	-28.42	
21 13 13 00-0121	EA		1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head.....	106.43	8.47
			<i>For >25 To 50, Deduct</i>	-1.69	
			<i>For >50 To 100, Deduct</i>	-7.02	
			<i>For >100 To 500, Deduct</i>	-14.15	
			<i>For >500 To 1,000, Deduct</i>	-24.92	
			<i>For >1,000, Deduct</i>	-31.69	
21 13 13 00-0122	EA		1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Brass Wet Pipe Sprinkler Head	182.48	8.47
			<i>For >25 To 50, Deduct</i>	-1.69	
			<i>For >50 To 100, Deduct</i>	-10.82	
			<i>For >100 To 500, Deduct</i>	-23.66	
			<i>For >500 To 1,000, Deduct</i>	-38.60	
			<i>For >1,000, Deduct</i>	-45.38	
21 13 13 00-0123	EA		1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Chrome Wet Pipe Sprinkler Head.....	229.87	8.47
			<i>For >25 To 50, Deduct</i>	-1.69	
			<i>For >50 To 100, Deduct</i>	-13.19	
			<i>For >100 To 500, Deduct</i>	-29.58	
			<i>For >500 To 1,000, Deduct</i>	-47.13	
			<i>For >1,000, Deduct</i>	-53.91	
21 13 13 00-0124	EA		3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head	110.20	9.41
			<i>For >25 To 50, Deduct</i>	-1.88	
			<i>For >50 To 100, Deduct</i>	-7.39	
			<i>For >100 To 500, Deduct</i>	-14.72	
			<i>For >500 To 1,000, Deduct</i>	-26.23	
			<i>For >1,000, Deduct</i>	-33.76	
21 13 13 00-0125	EA		3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head.....	110.75	9.41
			<i>For >25 To 50, Deduct</i>	-1.88	
			<i>For >50 To 100, Deduct</i>	-7.42	
			<i>For >100 To 500, Deduct</i>	-14.78	
			<i>For >500 To 1,000, Deduct</i>	-26.33	
			<i>For >1,000, Deduct</i>	-33.86	
21 13 13 00-0126			Sidewall Wet-Pipe Sprinkler Heads <small>(21 13 13 00-0018)</small>		
21 13 13 00-0127			Horizontal Sidewall Wet-Pipe Sprinkler Heads <small>(21 13 13 00-0126)</small>		
21 13 13 00-0128	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	51.02	8.47
			<i>For >25 To 50, Deduct</i>	-1.69	
			<i>For >50 To 100, Deduct</i>	-4.24	
			<i>For >100 To 500, Deduct</i>	-7.22	
			<i>For >500 To 1,000, Deduct</i>	-14.94	
			<i>For >1,000, Deduct</i>	-21.72	
21 13 13 00-0129	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	52.23	8.47
			<i>For >25 To 50, Deduct</i>	-1.69	
			<i>For >50 To 100, Deduct</i>	-4.31	
			<i>For >100 To 500, Deduct</i>	-7.38	
			<i>For >500 To 1,000, Deduct</i>	-15.16	
			<i>For >1,000, Deduct</i>	-21.93	
21 13 13 00-0130	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall White Polyester Coated Wet Pipe Sprinkler Head.....	54.15	8.47
			<i>For >25 To 50, Deduct</i>	-1.69	
			<i>For >50 To 100, Deduct</i>	-4.40	
			<i>For >100 To 500, Deduct</i>	-7.62	
			<i>For >500 To 1,000, Deduct</i>	-15.50	
			<i>For >1,000, Deduct</i>	-22.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0131 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	51.70	8.47
For >25 To 50, Deduct	-1.69	
For >50 To 100, Deduct	-4.28	
For >100 To 500, Deduct	-7.31	
For >500 To 1,000, Deduct	-15.06	
For >1,000, Deduct	-21.84	
21 13 13 00-0132 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	52.94	8.47
For >25 To 50, Deduct	-1.69	
For >50 To 100, Deduct	-4.34	
For >100 To 500, Deduct	-7.46	
For >500 To 1,000, Deduct	-15.29	
For >1,000, Deduct	-22.06	
21 13 13 00-0133 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall White Wet Pipe Sprinkler Head	54.90	8.47
For >25 To 50, Deduct	-1.69	
For >50 To 100, Deduct	-4.44	
For >100 To 500, Deduct	-7.71	
For >500 To 1,000, Deduct	-15.64	
For >1,000, Deduct	-22.41	
21 13 13 00-0134 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	56.16	8.47
For >25 To 50, Deduct	-1.69	
For >50 To 100, Deduct	-4.50	
For >100 To 500, Deduct	-7.87	
For >500 To 1,000, Deduct	-15.87	
For >1,000, Deduct	-22.64	
21 13 13 00-0135 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	58.14	8.47
For >25 To 50, Deduct	-1.69	
For >50 To 100, Deduct	-4.60	
For >100 To 500, Deduct	-8.11	
For >500 To 1,000, Deduct	-16.22	
For >1,000, Deduct	-23.00	
21 13 13 00-0136 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	60.93	9.41
For >25 To 50, Deduct	-1.88	
For >50 To 100, Deduct	-4.93	
For >100 To 500, Deduct	-8.56	
For >500 To 1,000, Deduct	-17.37	
For >1,000, Deduct	-24.89	
21 13 13 00-0137 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	63.89	9.41
For >25 To 50, Deduct	-1.88	
For >50 To 100, Deduct	-5.08	
For >100 To 500, Deduct	-8.93	
For >500 To 1,000, Deduct	-17.90	
For >1,000, Deduct	-25.43	
21 13 13 00-0138 EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	60.42	8.47
For >25 To 50, Deduct	-1.69	
For >50 To 100, Deduct	-4.71	
For >100 To 500, Deduct	-8.40	
For >500 To 1,000, Deduct	-16.63	
For >1,000, Deduct	-23.41	
21 13 13 00-0139 EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	62.38	8.47
For >25 To 50, Deduct	-1.69	
For >50 To 100, Deduct	-4.81	
For >100 To 500, Deduct	-8.64	
For >500 To 1,000, Deduct	-16.99	
For >1,000, Deduct	-23.76	
21 13 13 00-0140 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	60.42	8.47
For >25 To 50, Deduct	-1.69	
For >50 To 100, Deduct	-4.71	
For >100 To 500, Deduct	-8.40	
For >500 To 1,000, Deduct	-16.63	
For >1,000, Deduct	-23.41	
21 13 13 00-0141 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	62.38	8.47
For >25 To 50, Deduct	-1.69	
For >50 To 100, Deduct	-4.81	
For >100 To 500, Deduct	-8.64	
For >500 To 1,000, Deduct	-16.99	
For >1,000, Deduct	-23.76	
21 13 13 00-0142 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	49.98	8.47
For >25 To 50, Deduct	-1.69	
For >50 To 100, Deduct	-4.19	
For >100 To 500, Deduct	-7.09	
For >500 To 1,000, Deduct	-14.75	
For >1,000, Deduct	-21.53	
21 13 13 00-0143 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	50.99	8.47
For >25 To 50, Deduct	-1.69	
For >50 To 100, Deduct	-4.24	
For >100 To 500, Deduct	-7.22	
For >500 To 1,000, Deduct	-14.94	
For >1,000, Deduct	-21.71	
21 13 13 00-0144 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	52.24	8.47
For >25 To 50, Deduct	-1.69	
For >50 To 100, Deduct	-4.31	
For >100 To 500, Deduct	-7.38	
For >500 To 1,000, Deduct	-15.16	
For >1,000, Deduct	-21.94	

21 Fire Suppression
21 10 Water-Based Fire-Suppression Systems
21 13 Fire-Suppression Sprinkler Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0145	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	54.93	9.41
			<i>For >25 To 50, Deduct</i>	-1.88	
			<i>For >50 To 100, Deduct</i>	-4.63	
			<i>For >100 To 500, Deduct</i>	-7.81	
			<i>For >500 To 1,000, Deduct</i>	-16.29	
			<i>For >1,000, Deduct</i>	-23.81	
21 13 13 00-0146	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	56.01	9.41
			<i>For >25 To 50, Deduct</i>	-1.88	
			<i>For >50 To 100, Deduct</i>	-4.68	
			<i>For >100 To 500, Deduct</i>	-7.94	
			<i>For >500 To 1,000, Deduct</i>	-16.48	
			<i>For >1,000, Deduct</i>	-24.01	
21 13 13 00-0147	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head.....	57.17	9.41
			<i>For >25 To 50, Deduct</i>	-1.88	
			<i>For >50 To 100, Deduct</i>	-4.74	
			<i>For >100 To 500, Deduct</i>	-8.09	
			<i>For >500 To 1,000, Deduct</i>	-16.69	
			<i>For >1,000, Deduct</i>	-24.22	
21 13 13 00-0148	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	55.78	9.41
			<i>For >25 To 50, Deduct</i>	-1.88	
			<i>For >50 To 100, Deduct</i>	-4.67	
			<i>For >100 To 500, Deduct</i>	-7.91	
			<i>For >500 To 1,000, Deduct</i>	-16.44	
			<i>For >1,000, Deduct</i>	-23.97	
21 13 13 00-0149	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	56.90	9.41
			<i>For >25 To 50, Deduct</i>	-1.88	
			<i>For >50 To 100, Deduct</i>	-4.73	
			<i>For >100 To 500, Deduct</i>	-8.05	
			<i>For >500 To 1,000, Deduct</i>	-16.64	
			<i>For >1,000, Deduct</i>	-24.17	
21 13 13 00-0150	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head.....	58.11	9.41
			<i>For >25 To 50, Deduct</i>	-1.88	
			<i>For >50 To 100, Deduct</i>	-4.79	
			<i>For >100 To 500, Deduct</i>	-8.20	
			<i>For >500 To 1,000, Deduct</i>	-16.86	
			<i>For >1,000, Deduct</i>	-24.39	
21 13 13 00-0151	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	58.13	9.41
			<i>For >25 To 50, Deduct</i>	-1.88	
			<i>For >50 To 100, Deduct</i>	-4.79	
			<i>For >100 To 500, Deduct</i>	-8.21	
			<i>For >500 To 1,000, Deduct</i>	-16.86	
			<i>For >1,000, Deduct</i>	-24.39	
21 13 13 00-0152	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	59.78	9.41
			<i>For >25 To 50, Deduct</i>	-1.88	
			<i>For >50 To 100, Deduct</i>	-4.87	
			<i>For >100 To 500, Deduct</i>	-8.41	
			<i>For >500 To 1,000, Deduct</i>	-17.16	
			<i>For >1,000, Deduct</i>	-24.69	
21 13 13 00-0153	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head.....	59.78	9.41
			<i>For >25 To 50, Deduct</i>	-1.88	
			<i>For >50 To 100, Deduct</i>	-4.87	
			<i>For >100 To 500, Deduct</i>	-8.41	
			<i>For >500 To 1,000, Deduct</i>	-17.16	
			<i>For >1,000, Deduct</i>	-24.69	
21 13 13 00-0154	EA		1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	90.08	8.47
			<i>For >25 To 50, Deduct</i>	-1.69	
			<i>For >50 To 100, Deduct</i>	-6.20	
			<i>For >100 To 500, Deduct</i>	-12.11	
			<i>For >500 To 1,000, Deduct</i>	-21.97	
			<i>For >1,000, Deduct</i>	-28.75	
21 13 13 00-0155	EA		1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall White Wet Pipe Sprinkler Head.....	90.08	8.47
			<i>For >25 To 50, Deduct</i>	-1.69	
			<i>For >50 To 100, Deduct</i>	-6.20	
			<i>For >100 To 500, Deduct</i>	-12.11	
			<i>For >500 To 1,000, Deduct</i>	-21.97	
			<i>For >1,000, Deduct</i>	-28.75	
21 13 13 00-0156	EA		1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	50.40	8.47
			<i>For >25 To 50, Deduct</i>	-1.69	
			<i>For >50 To 100, Deduct</i>	-4.21	
			<i>For >100 To 500, Deduct</i>	-7.15	
			<i>For >500 To 1,000, Deduct</i>	-14.83	
			<i>For >1,000, Deduct</i>	-21.60	
21 13 13 00-0157	EA		1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	50.40	8.47
			<i>For >25 To 50, Deduct</i>	-1.69	
			<i>For >50 To 100, Deduct</i>	-4.21	
			<i>For >100 To 500, Deduct</i>	-7.15	
			<i>For >500 To 1,000, Deduct</i>	-14.83	
			<i>For >1,000, Deduct</i>	-21.60	



Fire Suppression	21	12
Water-Based Fire-Suppression Systems	21 10	
Fire-Suppression Sprinkler Systems	21 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0158 EA 1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall White Wet Pipe Sprinkler Head	50.40	8.47
For >25 To 50, Deduct	-1.69	
For >50 To 100, Deduct	-4.21	
For >100 To 500, Deduct	-7.15	
For >500 To 1,000, Deduct	-14.83	
For >1,000, Deduct	-21.60	
21 13 13 00-0159 Vertical Sidewall Wet-Pipe Sprinkler Heads <small>(21 13 13 00-0126)</small>		
21 13 13 00-0160 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Brass Wet Pipe Sprinkler Head.....	52.59	8.47
For >25 To 50, Deduct	-1.69	
For >50 To 100, Deduct	-4.32	
For >100 To 500, Deduct	-7.42	
For >500 To 1,000, Deduct	-15.22	
For >1,000, Deduct	-22.00	
21 13 13 00-0161 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Chrome Wet Pipe Sprinkler Head.....	54.11	8.47
For >25 To 50, Deduct	-1.69	
For >50 To 100, Deduct	-4.40	
For >100 To 500, Deduct	-7.61	
For >500 To 1,000, Deduct	-15.50	
For >1,000, Deduct	-22.27	
21 13 13 00-0162 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall White Wet Pipe Sprinkler Head.....	54.76	8.47
For >25 To 50, Deduct	-1.69	
For >50 To 100, Deduct	-4.43	
For >100 To 500, Deduct	-7.69	
For >500 To 1,000, Deduct	-15.61	
For >1,000, Deduct	-22.39	
21 13 13 00-0163 Concealed Wet-Pipe Sprinkler Heads <small>(21 13 13 00-0018)</small>		
21 13 13 00-0164 Concealed Pendant Wet-Pipe Sprinkler Heads <small>(21 13 13 00-0163)</small>		
21 13 13 00-0165 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head, Low Lead.....	74.94	11.29
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.26	
For >50 To 100, Deduct	-6.01	
For >100 To 500, Deduct	-10.50	
For >500 To 1,000, Deduct	-21.17	
For >1,000, Deduct	-30.20	
21 13 13 00-0166 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head	57.17	11.29
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.26	
For >50 To 100, Deduct	-5.12	
For >100 To 500, Deduct	-8.28	
For >500 To 1,000, Deduct	-17.97	
For >1,000, Deduct	-27.00	
21 13 13 00-0167 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Concealed Pendent Brass Wet Pipe Sprinkler Head	57.82	11.29
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.26	
For >50 To 100, Deduct	-5.15	
For >100 To 500, Deduct	-8.36	
For >500 To 1,000, Deduct	-18.09	
For >1,000, Deduct	-27.12	
21 13 13 00-0168 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Concealed Pendent Brass Wet Pipe Sprinkler Head	70.39	12.23
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.45	
For >50 To 100, Deduct	-5.97	
For >100 To 500, Deduct	-10.02	
For >500 To 1,000, Deduct	-20.99	
For >1,000, Deduct	-30.77	
21 13 13 00-0169 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Concealed Pendent Brass Wet Pipe Sprinkler Head	66.63	11.29
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.26	
For >50 To 100, Deduct	-5.59	
For >100 To 500, Deduct	-9.46	
For >500 To 1,000, Deduct	-19.67	
For >1,000, Deduct	-28.71	
21 13 13 00-0170 EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Concealed Pendent Brass Wet Pipe Sprinkler Head	66.63	11.29
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.26	
For >50 To 100, Deduct	-5.59	
For >100 To 500, Deduct	-9.46	
For >500 To 1,000, Deduct	-19.67	
For >1,000, Deduct	-28.71	
21 13 13 00-0171 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	70.39	12.23
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.45	
For >50 To 100, Deduct	-5.97	
For >100 To 500, Deduct	-10.02	
For >500 To 1,000, Deduct	-20.99	
For >1,000, Deduct	-30.77	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0172	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	62.47	11.29
		Note: Excludes coverplate		
		For >25 To 50, Deduct	-2.26	
		For >50 To 100, Deduct	-5.38	
		For >100 To 500, Deduct	-8.94	
		For >500 To 1,000, Deduct	-18.92	
		For >1,000, Deduct	-27.96	
21 13 13 00-0173	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	66.63	11.29
		Note: Excludes coverplate		
		For >25 To 50, Deduct	-2.26	
		For >50 To 100, Deduct	-5.59	
		For >100 To 500, Deduct	-9.46	
		For >500 To 1,000, Deduct	-19.67	
		For >1,000, Deduct	-28.71	
21 13 13 00-0174	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	66.63	11.29
		Note: Excludes coverplate		
		For >25 To 50, Deduct	-2.26	
		For >50 To 100, Deduct	-5.59	
		For >100 To 500, Deduct	-9.46	
		For >500 To 1,000, Deduct	-19.67	
		For >1,000, Deduct	-28.71	
21 13 13 00-0175	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	63.46	11.29
		Note: Excludes coverplate		
		For >25 To 50, Deduct	-2.26	
		For >50 To 100, Deduct	-5.43	
		For >100 To 500, Deduct	-9.06	
		For >500 To 1,000, Deduct	-19.10	
		For >1,000, Deduct	-28.14	
21 13 13 00-0176	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Adjustable Concealed Pendent Brass Wet Pipe Sprinkler Head.....	98.93	13.17
		Note: Excludes coverplate		
		For >25 To 50, Deduct	-2.63	
		For >50 To 100, Deduct	-7.58	
		For >100 To 500, Deduct	-13.68	
		For >500 To 1,000, Deduct	-26.76	
		For >1,000, Deduct	-37.30	
21 13 13 00-0177	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	60.40	11.29
		Note: Excludes coverplate		
		For >25 To 50, Deduct	-2.26	
		For >50 To 100, Deduct	-5.28	
		For >100 To 500, Deduct	-8.68	
		For >500 To 1,000, Deduct	-18.55	
		For >1,000, Deduct	-27.58	
21 13 13 00-0178	EA	3/4" NPT Thread, 17/32" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	63.89	12.23
		Note: Excludes coverplate		
		For >25 To 50, Deduct	-2.45	
		For >50 To 100, Deduct	-5.64	
		For >100 To 500, Deduct	-9.21	
		For >500 To 1,000, Deduct	-19.82	
		For >1,000, Deduct	-29.60	
21 13 13 00-0179	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	60.99	11.29
		Note: Excludes coverplate		
		For >25 To 50, Deduct	-2.26	
		For >50 To 100, Deduct	-5.31	
		For >100 To 500, Deduct	-8.75	
		For >500 To 1,000, Deduct	-18.66	
		For >1,000, Deduct	-27.69	
21 13 13 00-0180	EA	3/4" NPT Thread, 17/32" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	64.75	12.23
		Note: Excludes coverplate		
		For >25 To 50, Deduct	-2.45	
		For >50 To 100, Deduct	-5.68	
		For >100 To 500, Deduct	-9.32	
		For >500 To 1,000, Deduct	-19.97	
		For >1,000, Deduct	-29.76	
21 13 13 00-0181	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	70.66	12.23
		Note: Excludes coverplate		
		For >25 To 50, Deduct	-2.45	
		For >50 To 100, Deduct	-5.98	
		For >100 To 500, Deduct	-10.06	
		For >500 To 1,000, Deduct	-21.04	
		For >1,000, Deduct	-30.82	
21 13 13 00-0182	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable Chrome Coverplate.....	112.42	13.17
		For >25 To 50, Deduct	-2.63	
		For >50 To 100, Deduct	-8.26	
		For >100 To 500, Deduct	-15.37	
		For >500 To 1,000, Deduct	-29.19	
		For >1,000, Deduct	-39.73	



Fire Suppression	21	12
Water-Based Fire-Suppression Systems	21 10	
Fire-Suppression Sprinkler Systems	21 13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0183	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable White Coverplate 112.42		13.17
			<i>For >25 To 50, Deduct</i>	-2.63	
			<i>For >50 To 100, Deduct</i>	-8.26	
			<i>For >100 To 500, Deduct</i>	-15.37	
			<i>For >500 To 1,000, Deduct</i>	-29.19	
			<i>For >1,000, Deduct</i>	-39.73	
21 13 13 00-0184			Concealed Horizontal Side Wall Wet-Pipe Sprinkler Heads <small>(21 13 13 00-0163)</small>		
21 13 13 00-0185	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head 79.89		11.29
			Note: Excludes coverplate		
			<i>For >25 To 50, Deduct</i>	-2.26	
			<i>For >50 To 100, Deduct</i>	-6.25	
			<i>For >100 To 500, Deduct</i>	-11.12	
			<i>For >500 To 1,000, Deduct</i>	-22.06	
			<i>For >1,000, Deduct</i>	-31.09	
21 13 13 00-0186	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head 89.43		12.23
			Note: Excludes coverplate		
			<i>For >25 To 50, Deduct</i>	-2.45	
			<i>For >50 To 100, Deduct</i>	-6.92	
			<i>For >100 To 500, Deduct</i>	-12.40	
			<i>For >500 To 1,000, Deduct</i>	-24.42	
			<i>For >1,000, Deduct</i>	-34.20	
21 13 13 00-0187	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head 65.44		11.29
			Note: Excludes coverplate		
			<i>For >25 To 50, Deduct</i>	-2.26	
			<i>For >50 To 100, Deduct</i>	-5.53	
			<i>For >100 To 500, Deduct</i>	-9.31	
			<i>For >500 To 1,000, Deduct</i>	-19.46	
			<i>For >1,000, Deduct</i>	-28.49	
21 13 13 00-0188	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head 66.99		12.23
			Note: Excludes coverplate		
			<i>For >25 To 50, Deduct</i>	-2.45	
			<i>For >50 To 100, Deduct</i>	-5.80	
			<i>For >100 To 500, Deduct</i>	-9.60	
			<i>For >500 To 1,000, Deduct</i>	-20.38	
			<i>For >1,000, Deduct</i>	-30.16	
21 13 13 00-0189			Institutional Tamper Resistant Wet-Pipe Sprinkler Heads <small>(21 13 13 00-0018)</small>		
21 13 13 00-0190	EA		1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head 172.10		9.41
			Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.		
			<i>For >25 To 50, Deduct</i>	-1.88	
			<i>For >50 To 100, Deduct</i>	-10.49	
			<i>For >100 To 500, Deduct</i>	-22.45	
			<i>For >500 To 1,000, Deduct</i>	-37.38	
			<i>For >1,000, Deduct</i>	-44.90	
21 13 13 00-0191	EA		1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head 168.22		9.41
			Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.		
			<i>For >25 To 50, Deduct</i>	-1.88	
			<i>For >50 To 100, Deduct</i>	-10.29	
			<i>For >100 To 500, Deduct</i>	-21.97	
			<i>For >500 To 1,000, Deduct</i>	-36.68	
			<i>For >1,000, Deduct</i>	-44.21	
21 13 13 00-0192	EA		1/2" NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head 78.75		9.41
			<i>For >25 To 50, Deduct</i>	-1.88	
			<i>For >50 To 100, Deduct</i>	-5.82	
			<i>For >100 To 500, Deduct</i>	-10.78	
			<i>For >500 To 1,000, Deduct</i>	-20.57	
			<i>For >1,000, Deduct</i>	-28.10	
21 13 13 00-0193	EA		1/2" NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head 86.81		9.41
			<i>For >25 To 50, Deduct</i>	-1.88	
			<i>For >50 To 100, Deduct</i>	-6.22	
			<i>For >100 To 500, Deduct</i>	-11.79	
			<i>For >500 To 1,000, Deduct</i>	-22.02	
			<i>For >1,000, Deduct</i>	-29.55	
21 13 13 00-0194			Wet-Pipe Sprinkler Head Accessories <small>(21 13 13 00-0011)</small>		
21 13 13 00-0195			Sprinkler Adjustable Steel Drop Nipple <small>(21 13 13 00-0194)</small>		
21 13 13 00-0196	EA		1" Male NPT x 1/2" Female NPT x 4.125" Minimum Length To 5.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M1.150) 31.70		9.72
			<i>For >25 To 50, Deduct</i>	-0.81	
			<i>For >50 To 100, Deduct</i>	-2.39	
			<i>For >100 To 500, Deduct</i>	-4.37	
			<i>For >500 To 1,000, Deduct</i>	-8.46	
			<i>For >1,000, Deduct</i>	-11.70	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0197	EA		1" Male NPT x 1/2" Female NPT x 6.125" Minimum Length To 9.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M3.150)	31.70	9.72
			<i>For >25 To 50, Deduct</i>	-0.81	
			<i>For >50 To 100, Deduct</i>	-2.39	
			<i>For >100 To 500, Deduct</i>	-4.37	
			<i>For >500 To 1,000, Deduct</i>	-8.46	
			<i>For >1,000, Deduct</i>	-11.70	
21 13 13 00-0198	EA		1" Male NPT x 1/2" Female NPT x 7.875" Minimum Length To 10.875" Maximum Length, Adjustable Steel Drop Nipple (Anvil ME3.150)	32.02	9.72
			<i>For >25 To 50, Deduct</i>	-0.81	
			<i>For >50 To 100, Deduct</i>	-2.41	
			<i>For >100 To 500, Deduct</i>	-4.41	
			<i>For >500 To 1,000, Deduct</i>	-8.52	
			<i>For >1,000, Deduct</i>	-11.75	
21 13 13 00-0199	EA		1" Female NPT x 1/2" Female NPT x 3.5" Minimum Length To 4.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F1.150)	28.76	9.72
			<i>For >25 To 50, Deduct</i>	-0.81	
			<i>For >50 To 100, Deduct</i>	-2.25	
			<i>For >100 To 500, Deduct</i>	-4.00	
			<i>For >500 To 1,000, Deduct</i>	-7.93	
			<i>For >1,000, Deduct</i>	-11.17	
21 13 13 00-0200	EA		1" Female NPT x 1/2" Female NPT x 4.5" Minimum Length To 6.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F2.150)	28.76	9.72
			<i>For >25 To 50, Deduct</i>	-0.81	
			<i>For >50 To 100, Deduct</i>	-2.25	
			<i>For >100 To 500, Deduct</i>	-4.00	
			<i>For >500 To 1,000, Deduct</i>	-7.93	
			<i>For >1,000, Deduct</i>	-11.17	
21 13 13 00-0201	EA		1" Female NPT x 1/2" Female NPT x 5.5" Minimum Length To 8.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.150)	28.76	9.72
			<i>For >25 To 50, Deduct</i>	-0.81	
			<i>For >50 To 100, Deduct</i>	-2.25	
			<i>For >100 To 500, Deduct</i>	-4.00	
			<i>For >500 To 1,000, Deduct</i>	-7.93	
			<i>For >1,000, Deduct</i>	-11.17	
21 13 13 00-0202	EA		1" Female NPT x 3/4" Female NPT x 7.35" Minimum Length To 10.35" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.175)	32.01	10.56
			<i>For >25 To 50, Deduct</i>	-0.88	
			<i>For >50 To 100, Deduct</i>	-2.48	
			<i>For >100 To 500, Deduct</i>	-4.44	
			<i>For >500 To 1,000, Deduct</i>	-8.76	
			<i>For >1,000, Deduct</i>	-12.28	
21 13 13 00-0203			Sprinkler Head Escutcheon (21 13 13 00-0194)		
21 13 13 00-0204	EA		2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon	12.00	3.39
			<i>For >25 To 50, Deduct</i>	-0.28	
			<i>For >50 To 100, Deduct</i>	-0.88	
			<i>For >100 To 500, Deduct</i>	-1.64	
			<i>For >500 To 1,000, Deduct</i>	-3.12	
			<i>For >1,000, Deduct</i>	-4.25	
21 13 13 00-0205	EA		2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon	8.79	3.39
			<i>For >25 To 50, Deduct</i>	-0.28	
			<i>For >50 To 100, Deduct</i>	-0.72	
			<i>For >100 To 500, Deduct</i>	-1.24	
			<i>For >500 To 1,000, Deduct</i>	-2.54	
			<i>For >1,000, Deduct</i>	-3.67	
21 13 13 00-0206	EA		2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon	8.79	3.39
			<i>For >25 To 50, Deduct</i>	-0.28	
			<i>For >50 To 100, Deduct</i>	-0.72	
			<i>For >100 To 500, Deduct</i>	-1.24	
			<i>For >500 To 1,000, Deduct</i>	-2.54	
			<i>For >1,000, Deduct</i>	-3.67	
21 13 13 00-0207	EA		2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon	12.00	3.39
			<i>For >25 To 50, Deduct</i>	-0.28	
			<i>For >50 To 100, Deduct</i>	-0.88	
			<i>For >100 To 500, Deduct</i>	-1.64	
			<i>For >500 To 1,000, Deduct</i>	-3.12	
			<i>For >1,000, Deduct</i>	-4.25	
21 13 13 00-0208	EA		2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon	8.79	3.39
			<i>For >25 To 50, Deduct</i>	-0.28	
			<i>For >50 To 100, Deduct</i>	-0.72	
			<i>For >100 To 500, Deduct</i>	-1.24	
			<i>For >500 To 1,000, Deduct</i>	-2.54	
			<i>For >1,000, Deduct</i>	-3.67	
21 13 13 00-0209	EA		2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon	8.79	3.39
			<i>For >25 To 50, Deduct</i>	-0.28	
			<i>For >50 To 100, Deduct</i>	-0.72	
			<i>For >100 To 500, Deduct</i>	-1.24	
			<i>For >500 To 1,000, Deduct</i>	-2.54	
			<i>For >1,000, Deduct</i>	-3.67	



		Fire Suppression		21
		Water-Based Fire-Suppression Systems		21 10
		Fire-Suppression Sprinkler Systems		21 13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13	13 00-0210	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon.....	11.42	3.39
			<i>For >25 To 50, Deduct</i>	-0.28	
			<i>For >50 To 100, Deduct</i>	-0.85	
			<i>For >100 To 500, Deduct</i>	-1.57	
			<i>For >500 To 1,000, Deduct</i>	-3.01	
			<i>For >1,000, Deduct</i>	-4.14	
21 13	13 00-0211	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon	8.79	3.39
			<i>For >25 To 50, Deduct</i>	-0.28	
			<i>For >50 To 100, Deduct</i>	-0.72	
			<i>For >100 To 500, Deduct</i>	-1.24	
			<i>For >500 To 1,000, Deduct</i>	-2.54	
			<i>For >1,000, Deduct</i>	-3.67	
21 13	13 00-0212	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon.....	8.79	3.39
			<i>For >25 To 50, Deduct</i>	-0.28	
			<i>For >50 To 100, Deduct</i>	-0.72	
			<i>For >100 To 500, Deduct</i>	-1.24	
			<i>For >500 To 1,000, Deduct</i>	-2.54	
			<i>For >1,000, Deduct</i>	-3.67	
21 13	13 00-0213	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon.....	11.42	3.39
			<i>For >25 To 50, Deduct</i>	-0.28	
			<i>For >50 To 100, Deduct</i>	-0.85	
			<i>For >100 To 500, Deduct</i>	-1.57	
			<i>For >500 To 1,000, Deduct</i>	-3.01	
			<i>For >1,000, Deduct</i>	-4.14	
21 13	13 00-0214	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon	8.79	3.39
			<i>For >25 To 50, Deduct</i>	-0.28	
			<i>For >50 To 100, Deduct</i>	-0.72	
			<i>For >100 To 500, Deduct</i>	-1.24	
			<i>For >500 To 1,000, Deduct</i>	-2.54	
			<i>For >1,000, Deduct</i>	-3.67	
21 13	13 00-0215	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon.....	8.79	3.39
			<i>For >25 To 50, Deduct</i>	-0.28	
			<i>For >50 To 100, Deduct</i>	-0.72	
			<i>For >100 To 500, Deduct</i>	-1.24	
			<i>For >500 To 1,000, Deduct</i>	-2.54	
			<i>For >1,000, Deduct</i>	-3.67	
21 13	13 00-0216	EA	3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off Chrome Sprinkler Head Recessed Escutcheon.....	11.71	3.39
			<i>For >25 To 50, Deduct</i>	-0.28	
			<i>For >50 To 100, Deduct</i>	-0.87	
			<i>For >100 To 500, Deduct</i>	-1.60	
			<i>For >500 To 1,000, Deduct</i>	-3.07	
			<i>For >1,000, Deduct</i>	-4.19	
21 13	13 00-0217	EA	3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off White Sprinkler Head Recessed Escutcheon	11.71	3.39
			<i>For >25 To 50, Deduct</i>	-0.28	
			<i>For >50 To 100, Deduct</i>	-0.87	
			<i>For >100 To 500, Deduct</i>	-1.60	
			<i>For >500 To 1,000, Deduct</i>	-3.07	
			<i>For >1,000, Deduct</i>	-4.19	
21 13	13 00-0218	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Brass Sprinkler Head Escutcheon.....	5.05	2.48
			<i>For >25 To 50, Deduct</i>	-0.19	
			<i>For >50 To 100, Deduct</i>	-0.44	
			<i>For >100 To 500, Deduct</i>	-0.73	
			<i>For >500 To 1,000, Deduct</i>	-1.55	
			<i>For >1,000, Deduct</i>	-2.30	
21 13	13 00-0219	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon	4.64	2.48
			<i>For >25 To 50, Deduct</i>	-0.19	
			<i>For >50 To 100, Deduct</i>	-0.42	
			<i>For >100 To 500, Deduct</i>	-0.67	
			<i>For >500 To 1,000, Deduct</i>	-1.47	
			<i>For >1,000, Deduct</i>	-2.23	
21 13	13 00-0220	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon.....	4.75	2.48
			<i>For >25 To 50, Deduct</i>	-0.19	
			<i>For >50 To 100, Deduct</i>	-0.43	
			<i>For >100 To 500, Deduct</i>	-0.69	
			<i>For >500 To 1,000, Deduct</i>	-1.49	
			<i>For >1,000, Deduct</i>	-2.25	
21 13	13 00-0221	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Brass Sprinkler Head Escutcheon.....	5.12	2.48
			<i>For >25 To 50, Deduct</i>	-0.19	
			<i>For >50 To 100, Deduct</i>	-0.44	
			<i>For >100 To 500, Deduct</i>	-0.73	
			<i>For >500 To 1,000, Deduct</i>	-1.56	
			<i>For >1,000, Deduct</i>	-2.31	
21 13	13 00-0222	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Chrome Sprinkler Head Escutcheon	4.72	2.48
			<i>For >25 To 50, Deduct</i>	-0.19	
			<i>For >50 To 100, Deduct</i>	-0.42	
			<i>For >100 To 500, Deduct</i>	-0.68	
			<i>For >500 To 1,000, Deduct</i>	-1.49	
			<i>For >1,000, Deduct</i>	-2.24	
21 13	13 00-0223	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, White Sprinkler Head Escutcheon.....	4.72	2.48
			<i>For >25 To 50, Deduct</i>	-0.19	
			<i>For >50 To 100, Deduct</i>	-0.42	
			<i>For >100 To 500, Deduct</i>	-0.68	
			<i>For >500 To 1,000, Deduct</i>	-1.49	
			<i>For >1,000, Deduct</i>	-2.24	

21 Fire Suppression

21 10 Water-Based Fire-Suppression Systems

21 13 Fire-Suppression Sprinkler Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0224	EA		2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Bright Brass Sprinkler Head Escutcheon.....	5.54	2.48
			<i>For >25 To 50, Deduct</i>	-0.19	
			<i>For >50 To 100, Deduct</i>	-0.47	
			<i>For >100 To 500, Deduct</i>	-0.79	
			<i>For >500 To 1,000, Deduct</i>	-1.64	
			<i>For >1,000, Deduct</i>	-2.39	
21 13 13 00-0225	EA		2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon	4.70	2.48
			<i>For >25 To 50, Deduct</i>	-0.19	
			<i>For >50 To 100, Deduct</i>	-0.42	
			<i>For >100 To 500, Deduct</i>	-0.68	
			<i>For >500 To 1,000, Deduct</i>	-1.49	
			<i>For >1,000, Deduct</i>	-2.24	
21 13 13 00-0226	EA		2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon.....	4.70	2.48
			<i>For >25 To 50, Deduct</i>	-0.19	
			<i>For >50 To 100, Deduct</i>	-0.42	
			<i>For >100 To 500, Deduct</i>	-0.68	
			<i>For >500 To 1,000, Deduct</i>	-1.49	
			<i>For >1,000, Deduct</i>	-2.24	
21 13 13 00-0227	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Telescoping Escutcheon	7.51	3.48
			<i>For >25 To 50, Deduct</i>	-0.26	
			<i>For >50 To 100, Deduct</i>	-0.64	
			<i>For >100 To 500, Deduct</i>	-1.07	
			<i>For >500 To 1,000, Deduct</i>	-2.25	
			<i>For >1,000, Deduct</i>	-3.30	
21 13 13 00-0228	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Telescoping Escutcheon	7.29	3.48
			<i>For >25 To 50, Deduct</i>	-0.26	
			<i>For >50 To 100, Deduct</i>	-0.63	
			<i>For >100 To 500, Deduct</i>	-1.04	
			<i>For >500 To 1,000, Deduct</i>	-2.21	
			<i>For >1,000, Deduct</i>	-3.26	
21 13 13 00-0229	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, White Sprinkler Head Telescoping Escutcheon	7.36	3.48
			<i>For >25 To 50, Deduct</i>	-0.26	
			<i>For >50 To 100, Deduct</i>	-0.63	
			<i>For >100 To 500, Deduct</i>	-1.05	
			<i>For >500 To 1,000, Deduct</i>	-2.22	
			<i>For >1,000, Deduct</i>	-3.27	
21 13 13 00-0230	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Telescoping Escutcheon	7.58	3.48
			<i>For >25 To 50, Deduct</i>	-0.26	
			<i>For >50 To 100, Deduct</i>	-0.64	
			<i>For >100 To 500, Deduct</i>	-1.08	
			<i>For >500 To 1,000, Deduct</i>	-2.26	
			<i>For >1,000, Deduct</i>	-3.31	
21 13 13 00-0231	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Telescoping Escutcheon.....	7.36	3.48
			<i>For >25 To 50, Deduct</i>	-0.26	
			<i>For >50 To 100, Deduct</i>	-0.63	
			<i>For >100 To 500, Deduct</i>	-1.05	
			<i>For >500 To 1,000, Deduct</i>	-2.22	
			<i>For >1,000, Deduct</i>	-3.27	
21 13 13 00-0232	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, White Sprinkler Head Telescoping Escutcheon.....	7.51	3.48
			<i>For >25 To 50, Deduct</i>	-0.26	
			<i>For >50 To 100, Deduct</i>	-0.64	
			<i>For >100 To 500, Deduct</i>	-1.07	
			<i>For >500 To 1,000, Deduct</i>	-2.25	
			<i>For >1,000, Deduct</i>	-3.30	
21 13 13 00-0233	EA		Flat Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	14.35	3.39
			<i>For >25 To 50, Deduct</i>	-0.28	
			<i>For >50 To 100, Deduct</i>	-1.00	
			<i>For >100 To 500, Deduct</i>	-1.93	
			<i>For >500 To 1,000, Deduct</i>	-3.54	
			<i>For >1,000, Deduct</i>	-4.67	
21 13 13 00-0234	EA		Flat White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head.....	14.35	3.39
			<i>For >25 To 50, Deduct</i>	-0.28	
			<i>For >50 To 100, Deduct</i>	-1.00	
			<i>For >100 To 500, Deduct</i>	-1.93	
			<i>For >500 To 1,000, Deduct</i>	-3.54	
			<i>For >1,000, Deduct</i>	-4.67	
21 13 13 00-0235	EA		Conical Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head.....	14.35	3.39
			<i>For >25 To 50, Deduct</i>	-0.28	
			<i>For >50 To 100, Deduct</i>	-1.00	
			<i>For >100 To 500, Deduct</i>	-1.93	
			<i>For >500 To 1,000, Deduct</i>	-3.54	
			<i>For >1,000, Deduct</i>	-4.67	
21 13 13 00-0236	EA		Conical White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head.....	14.35	3.39
			<i>For >25 To 50, Deduct</i>	-0.28	
			<i>For >50 To 100, Deduct</i>	-1.00	
			<i>For >100 To 500, Deduct</i>	-1.93	
			<i>For >500 To 1,000, Deduct</i>	-3.54	
			<i>For >1,000, Deduct</i>	-4.67	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0237	EA			Chrome Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head.....	14.35	3.39
				<i>For >25 To 50, Deduct</i>	-0.28	
				<i>For >50 To 100, Deduct</i>	-1.00	
				<i>For >100 To 500, Deduct</i>	-1.93	
				<i>For >500 To 1,000, Deduct</i>	-3.54	
				<i>For >1,000, Deduct</i>	-4.67	
21 13 13 00-0238	EA			White Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head.....	14.35	3.39
				<i>For >25 To 50, Deduct</i>	-0.28	
				<i>For >50 To 100, Deduct</i>	-1.00	
				<i>For >100 To 500, Deduct</i>	-1.93	
				<i>For >500 To 1,000, Deduct</i>	-3.54	
				<i>For >1,000, Deduct</i>	-4.67	
21 13 13 00-0239	EA			2-Piece Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head.....	16.35	3.39
				<i>For >25 To 50, Deduct</i>	-0.28	
				<i>For >50 To 100, Deduct</i>	-1.10	
				<i>For >100 To 500, Deduct</i>	-2.18	
				<i>For >500 To 1,000, Deduct</i>	-3.90	
				<i>For >1,000, Deduct</i>	-5.03	
21 13 13 00-0240	EA			2-Piece White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head.....	16.81	3.39
				<i>For >25 To 50, Deduct</i>	-0.28	
				<i>For >50 To 100, Deduct</i>	-1.12	
				<i>For >100 To 500, Deduct</i>	-2.24	
				<i>For >500 To 1,000, Deduct</i>	-3.98	
				<i>For >1,000, Deduct</i>	-5.11	
21 13 13 00-0241				Coverplate For Sprinkler Heads (21 13 13 00-0194)		
21 13 13 00-0242	EA			Chrome Coverplate For Concealed Pendent Sprinkler Head.....	32.30	3.84
				<i>For >25 To 50, Deduct</i>	-0.32	
				<i>For >50 To 100, Deduct</i>	-1.94	
				<i>For >100 To 500, Deduct</i>	-4.20	
				<i>For >500 To 1,000, Deduct</i>	-6.90	
				<i>For >1,000, Deduct</i>	-8.18	
21 13 13 00-0243	EA			White Coverplate For Concealed Pendent Sprinkler Head.....	16.50	3.84
				<i>For >25 To 50, Deduct</i>	-0.32	
				<i>For >50 To 100, Deduct</i>	-1.15	
				<i>For >100 To 500, Deduct</i>	-2.22	
				<i>For >500 To 1,000, Deduct</i>	-4.06	
				<i>For >1,000, Deduct</i>	-5.34	
21 13 13 00-0244	EA			Specialty Coverplate For Concealed Pendent Sprinkler Head.....	23.35	3.84
				<i>For >25 To 50, Deduct</i>	-0.32	
				<i>For >50 To 100, Deduct</i>	-1.49	
				<i>For >100 To 500, Deduct</i>	-3.08	
				<i>For >500 To 1,000, Deduct</i>	-5.29	
				<i>For >1,000, Deduct</i>	-6.57	
21 13 13 00-0245	EA			Brass Coverplate For Concealed Sidewall Sprinkler Head.....	21.57	3.84
				<i>For >25 To 50, Deduct</i>	-0.32	
				<i>For >50 To 100, Deduct</i>	-1.40	
				<i>For >100 To 500, Deduct</i>	-2.86	
				<i>For >500 To 1,000, Deduct</i>	-4.97	
				<i>For >1,000, Deduct</i>	-6.25	
21 13 13 00-0246	EA			Chrome Coverplate For Concealed Sidewall Sprinkler Head.....	17.54	3.84
				<i>For >25 To 50, Deduct</i>	-0.32	
				<i>For >50 To 100, Deduct</i>	-1.20	
				<i>For >100 To 500, Deduct</i>	-2.35	
				<i>For >500 To 1,000, Deduct</i>	-4.25	
				<i>For >1,000, Deduct</i>	-5.53	
21 13 13 00-0247	EA			White Coverplate For Concealed Sidewall Sprinkler Head.....	17.54	3.84
				<i>For >25 To 50, Deduct</i>	-0.32	
				<i>For >50 To 100, Deduct</i>	-1.20	
				<i>For >100 To 500, Deduct</i>	-2.35	
				<i>For >500 To 1,000, Deduct</i>	-4.25	
				<i>For >1,000, Deduct</i>	-5.53	
21 13 13 00-0248	EA			Off-White Coverplate For Concealed Sidewall Sprinkler Head.....	21.57	3.84
				<i>For >25 To 50, Deduct</i>	-0.32	
				<i>For >50 To 100, Deduct</i>	-1.40	
				<i>For >100 To 500, Deduct</i>	-2.86	
				<i>For >500 To 1,000, Deduct</i>	-4.97	
				<i>For >1,000, Deduct</i>	-6.25	
21 13 13 00-0249	EA			Black Painted Coverplate For Concealed Sidewall Sprinkler Head.....	21.57	3.84
				<i>For >25 To 50, Deduct</i>	-0.32	
				<i>For >50 To 100, Deduct</i>	-1.40	
				<i>For >100 To 500, Deduct</i>	-2.86	
				<i>For >500 To 1,000, Deduct</i>	-4.97	
				<i>For >1,000, Deduct</i>	-6.25	
21 13 13 00-0250	EA			Black Plated Coverplate For Concealed Sidewall Sprinkler Head.....	24.77	3.84
				<i>For >25 To 50, Deduct</i>	-0.32	
				<i>For >50 To 100, Deduct</i>	-1.56	
				<i>For >100 To 500, Deduct</i>	-3.26	
				<i>For >500 To 1,000, Deduct</i>	-5.55	
				<i>For >1,000, Deduct</i>	-6.83	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0251 EA Bright Brass Coverplate For Concealed Sidewall Sprinkler Head.....	24.77	3.84
For >25 To 50, Deduct	-0.32	
For >50 To 100, Deduct	-1.56	
For >100 To 500, Deduct	-3.26	
For >500 To 1,000, Deduct	-5.55	
For >1,000, Deduct	-6.83	
21 13 13 00-0252 EA Satin Chrome Coverplate For Concealed Sidewall Sprinkler Head	24.77	3.84
For >25 To 50, Deduct	-0.32	
For >50 To 100, Deduct	-1.56	
For >100 To 500, Deduct	-3.26	
For >500 To 1,000, Deduct	-5.55	
For >1,000, Deduct	-6.83	
21 13 13 00-0253 EA Specialty Coverplate For Concealed Sidewall Sprinkler Head.....	21.59	3.84
For >25 To 50, Deduct	-0.32	
For >50 To 100, Deduct	-1.40	
For >100 To 500, Deduct	-2.86	
For >500 To 1,000, Deduct	-4.97	
For >1,000, Deduct	-6.25	
21 13 13 00-0254 EA White Coverplate For Quick Release Concealed Sidewall Sprinkler Head.....	36.02	4.51
For >25 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-2.18	
For >100 To 500, Deduct	-4.69	
For >500 To 1,000, Deduct	-7.76	
For >1,000, Deduct	-9.27	
21 13 13 00-0255 Sprinkler Escutcheon Extension Tube <small>(21 13 13 00-0194)</small>		
21 13 13 00-0256 EA 2.18" Diameter x 4" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube.....	8.77	2.26
Note: For use with 2 piece escutcheons		
For >25 To 50, Deduct	-0.19	
For >50 To 100, Deduct	-0.63	
For >100 To 500, Deduct	-1.19	
For >500 To 1,000, Deduct	-2.22	
For >1,000, Deduct	-2.97	
21 13 13 00-0257 EA 2.18" Diameter x 6" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube.....	11.19	2.37
Note: For use with 2 piece escutcheons		
For >25 To 50, Deduct	-0.20	
For >50 To 100, Deduct	-0.76	
For >100 To 500, Deduct	-1.50	
For >500 To 1,000, Deduct	-2.69	
For >1,000, Deduct	-3.48	
21 13 13 00-0258 EA 2.18" Diameter x 8" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube.....	13.88	2.48
Note: For use with 2 piece escutcheons		
For >25 To 50, Deduct	-0.21	
For >50 To 100, Deduct	-0.90	
For >100 To 500, Deduct	-1.84	
For >500 To 1,000, Deduct	-3.20	
For >1,000, Deduct	-4.03	
21 13 13 00-0259 EA 2.18" Diameter x 10" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube.....	16.29	2.60
Note: For use with 2 piece escutcheons		
For >25 To 50, Deduct	-0.22	
For >50 To 100, Deduct	-1.03	
For >100 To 500, Deduct	-2.14	
For >500 To 1,000, Deduct	-3.67	
For >1,000, Deduct	-4.53	
21 13 13 00-0260 Sprinkler Head Guards <small>(21 13 13 00-0194)</small>		
21 13 13 00-0261 EA Universal Sprinkler Head Guard, C-1.....	14.48	6.77
For >25 To 50, Deduct	-0.56	
For >50 To 100, Deduct	-1.29	
For >100 To 500, Deduct	-2.09	
For >500 To 1,000, Deduct	-4.53	
For >1,000, Deduct	-6.78	
21 13 13 00-0262 EA Dry Pendent Sprinkler Head Guard, C-2.....	15.71	6.77
For >25 To 50, Deduct	-0.56	
For >50 To 100, Deduct	-1.35	
For >100 To 500, Deduct	-2.25	
For >500 To 1,000, Deduct	-4.75	
For >1,000, Deduct	-7.01	
21 13 13 00-0263 EA Upright Sprinkler Head Guard With Water Shield, C-3	17.82	6.77
For >25 To 50, Deduct	-0.56	
For >50 To 100, Deduct	-1.46	
For >100 To 500, Deduct	-2.51	
For >500 To 1,000, Deduct	-5.13	
For >1,000, Deduct	-7.38	
21 13 13 00-0264 EA Pendent Sprinkler Head Guard With Water Shield, C-5.....	20.42	6.77
For >25 To 50, Deduct	-0.56	
For >50 To 100, Deduct	-1.59	
For >100 To 500, Deduct	-2.83	
For >500 To 1,000, Deduct	-5.59	
For >1,000, Deduct	-7.85	



Fire Suppression	21	12
Water-Based Fire-Suppression Systems	21 10	
Fire-Suppression Sprinkler Systems	21 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0265 EA Universal Sprinkler Head Guard, D-1	15.67	6.77
For >25 To 50, Deduct	-0.56	
For >50 To 100, Deduct	-1.35	
For >100 To 500, Deduct	-2.24	
For >500 To 1,000, Deduct	-4.74	
For >1,000, Deduct	-7.00	
21 13 13 00-0266 EA Upright Sprinkler Head Guard With Water Shield, D-3	16.47	6.77
For >25 To 50, Deduct	-0.56	
For >50 To 100, Deduct	-1.39	
For >100 To 500, Deduct	-2.34	
For >500 To 1,000, Deduct	-4.88	
For >1,000, Deduct	-7.14	
21 13 13 00-0267 EA Pendent Sprinkler Head Guard With Large Water Shield, D-4	22.42	6.77
For >25 To 50, Deduct	-0.56	
For >50 To 100, Deduct	-1.69	
For >100 To 500, Deduct	-3.08	
For >500 To 1,000, Deduct	-5.95	
For >1,000, Deduct	-8.21	
21 13 13 00-0268 EA Pendent Sprinkler Head Guard With Small Water Shield, D-5.....	21.23	6.77
For >25 To 50, Deduct	-0.56	
For >50 To 100, Deduct	-1.63	
For >100 To 500, Deduct	-2.94	
For >500 To 1,000, Deduct	-5.74	
For >1,000, Deduct	-8.00	
21 13 13 00-0269 Replacement Sprinkler Escutcheon <small>(21 13 13 00-0194)</small>		
21 13 13 00-0270 EA Push On, Brass Replacement Sprinkler Escutcheon.....	6.52	2.48
For >25 To 50, Deduct	-0.19	
For >50 To 100, Deduct	-0.51	
For >100 To 500, Deduct	-0.91	
For >500 To 1,000, Deduct	-1.81	
For >1,000, Deduct	-2.56	
21 13 13 00-0271 EA Push On, Chrome Replacement Sprinkler Escutcheon	6.48	2.48
For >25 To 50, Deduct	-0.19	
For >50 To 100, Deduct	-0.51	
For >100 To 500, Deduct	-0.90	
For >500 To 1,000, Deduct	-1.81	
For >1,000, Deduct	-2.56	
21 13 13 00-0272 EA Push On, White Replacement Sprinkler Escutcheon.....	6.48	2.48
For >25 To 50, Deduct	-0.19	
For >50 To 100, Deduct	-0.51	
For >100 To 500, Deduct	-0.90	
For >500 To 1,000, Deduct	-1.81	
For >1,000, Deduct	-2.56	
21 13 13 00-0273 EA Flush, Brass Replacement Sprinkler Escutcheon	6.48	2.48
For >25 To 50, Deduct	-0.19	
For >50 To 100, Deduct	-0.51	
For >100 To 500, Deduct	-0.90	
For >500 To 1,000, Deduct	-1.81	
For >1,000, Deduct	-2.56	
21 13 13 00-0274 EA Flush, Chrome Replacement Sprinkler Escutcheon	6.48	2.48
For >25 To 50, Deduct	-0.19	
For >50 To 100, Deduct	-0.51	
For >100 To 500, Deduct	-0.90	
For >500 To 1,000, Deduct	-1.81	
For >1,000, Deduct	-2.56	
21 13 13 00-0275 EA Flush, White Replacement Sprinkler Escutcheon	7.69	2.48
For >25 To 50, Deduct	-0.19	
For >50 To 100, Deduct	-0.57	
For >100 To 500, Deduct	-1.06	
For >500 To 1,000, Deduct	-2.02	
For >1,000, Deduct	-2.78	
21 13 13 00-0276 EA Deep, Brass Replacement Sprinkler Escutcheon	6.48	2.48
For >25 To 50, Deduct	-0.19	
For >50 To 100, Deduct	-0.51	
For >100 To 500, Deduct	-0.90	
For >500 To 1,000, Deduct	-1.81	
For >1,000, Deduct	-2.56	
21 13 13 00-0277 EA Deep, Chrome Replacement Sprinkler Escutcheon.....	6.48	2.48
For >25 To 50, Deduct	-0.19	
For >50 To 100, Deduct	-0.51	
For >100 To 500, Deduct	-0.90	
For >500 To 1,000, Deduct	-1.81	
For >1,000, Deduct	-2.56	
21 13 13 00-0278 EA Deep, White Replacement Sprinkler Escutcheon	6.48	2.48
For >25 To 50, Deduct	-0.19	
For >50 To 100, Deduct	-0.51	
For >100 To 500, Deduct	-0.90	
For >500 To 1,000, Deduct	-1.81	
For >1,000, Deduct	-2.56	

21 13 13 00-0279 Pendent Shield And O-Ring Assembly (21 13 13 00-0194)

21 Fire Suppression
21 10 Water-Based Fire-Suppression Systems
21 13 Fire-Suppression Sprinkler Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0280	EA		Pendent Shield And O-Ring Assembly <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	10.80 -0.38 -0.92 -1.54 -3.22 -4.73	4.97
21 13 13 00-0281			Replacement Insulating Sealing Assembly <small>(21 13 13 00-0194)</small>		
21 13 13 00-0282	EA		Replacement Insulating Sealing Assembly <i>For >100 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i>	42.24 -5.84 -11.44	11.29
21 13 13 00-0283			Flexible Sprinkler Piping <small>(21 13 13 00-0011)</small> Note: 1" Diameter stainless steel flexible pipe with either 1/2" or 3/4" outlet.		
21 13 13 00-0284	EA		2' Long Stainless Steel Flexible Sprinkler Piping Note: Includes ceiling mounting bracket. <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	46.44 -1.18 -3.50 -6.39 -12.36 -17.06	11.67
21 13 13 00-0285	EA		3' Long Stainless Steel Flexible Sprinkler Piping Note: Includes ceiling mounting bracket. <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	51.17 -1.24 -3.80 -7.02 -13.42 -18.37	12.04
21 13 13 00-0286	EA		4' Long Stainless Steel Flexible Sprinkler Piping Note: Includes ceiling mounting bracket. <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	56.01 -1.31 -4.11 -7.65 -14.52 -19.75	12.80
21 13 13 00-0287	EA		5' Long Stainless Steel Flexible Sprinkler Piping Note: Includes ceiling mounting bracket. <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	61.04 -1.38 -4.44 -8.32 -15.69 -21.23	13.54
21 13 13 00-0288	EA		6' Long Stainless Steel Flexible Sprinkler Piping Note: Includes ceiling mounting bracket. <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	66.26 -1.47 -4.78 -9.02 -16.93 -22.81	15.06
21 13 13 00-0289			Sprinkler Emergency Cabinets <small>(21 13 13 00-0011)</small>		
21 13 13 00-0290	EA		3 Capacity Emergency Sprinkler Cabinet, A4	64.25	
21 13 13 00-0291	EA		6 Capacity Emergency Sprinkler Cabinet, A4	68.01	
21 13 13 00-0292	EA		12 Capacity Emergency Sprinkler Cabinet, A4	61.97	
21 13 13 00-0293	EA		12 Capacity Emergency Sprinkler Cabinet, A3	200.42	
21 13 13 00-0294	EA		Sprinkler Wrench, RC1	88.02	
21 13 13 00-0295	EA		Sprinkler Wrench, FC	79.71	
21 13 13 00-0296	EA		Sprinkler Wrench, W2	29.11	
21 13 16			Dry-Pipe Sprinkler Systems <small>(21 13)</small>		
21 13 16 00-0001			Complete Dry-Pipe Sprinkler Systems <small>(21 13 16)</small> Note: Includes complete design per NFPA 13 and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks.		
21 13 16 00-0002			Light Hazard, Dry-Pipe Sprinkler Systems <small>(21 13 16 00-0001)</small>		
21 13 16 00-0003	EA		Exposed Piping, Light Hazard, Dry-Pipe Sprinkler System, Per Head Note: Includes branch pipe and fittings, supports and sprinkler heads. <i>For Up To 5, Add</i> <i>For >5 To 10, Add</i> <i>For >10 To 20, Add</i> <i>For >20 To 40, Add</i> <i>For >100 To 150, Deduct</i> <i>For >150, Deduct</i> <i>For Copper Pipe, Add</i> <i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	340.11 157.18 86.85 65.72 27.57 -34.01 -68.02 40.45 -57.45	



Fire Suppression	21	
Water-Based Fire-Suppression Systems	21 10	12
Fire-Suppression Sprinkler Systems	21 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0004 EA Concealed Piping, Light Hazard, Dry-Pipe Sprinkler System, Per Head 426.98 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon. <i>For Up To 5, Add</i> 199.46 <i>For >5 To 10, Add</i> 114.38 <i>For >10 To 20, Add</i> 85.70 <i>For >20 To 40, Add</i> 35.68 <i>For >100 To 150, Deduct</i> -42.70 <i>For >150, Deduct</i> -85.40 <i>For Copper Pipe, Add</i> 49.71 <i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i> -71.06		
21 13 16 00-0005 Ordinary Hazard, Dry-Pipe Sprinkler Systems (21 13 16 00-0001)		
21 13 16 00-0006 EA Exposed Piping, Ordinary Hazard, Dry-Pipe Sprinkler System, Per Head..... 345.00 Note: Includes branch pipe and fittings, supports and sprinkler heads. <i>For Up To 5, Add</i> 158.87 <i>For >5 To 10, Add</i> 86.68 <i>For >10 To 20, Add</i> 65.81 <i>For >20 To 40, Add</i> 27.69 <i>For >100 To 150, Deduct</i> -34.50 <i>For >150, Deduct</i> -69.00 <i>For Copper Pipe, Add</i> 41.31 <i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i> -58.56		
21 13 16 00-0007 EA Concealed Piping, Ordinary Hazard, Dry-Pipe Sprinkler System, Per Head 429.75 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon. <i>For Up To 5, Add</i> 200.23 <i>For >5 To 10, Add</i> 113.79 <i>For >10 To 20, Add</i> 85.46 <i>For >20 To 40, Add</i> 35.65 <i>For >100 To 150, Deduct</i> -42.98 <i>For >150, Deduct</i> -85.95 <i>For Copper Pipe, Add</i> 50.30 <i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i> -71.79		
21 13 16 00-0008 Extra Hazard, Dry-Pipe Sprinkler Systems (21 13 16 00-0001)		
21 13 16 00-0009 EA Exposed Piping, Extra Hazard, Dry-Pipe Sprinkler System, Per Head 323.62 Note: Includes branch pipe and fittings, supports and sprinkler heads. <i>For Up To 5, Add</i> 148.90 <i>For >5 To 10, Add</i> 80.99 <i>For >10 To 20, Add</i> 61.54 <i>For >20 To 40, Add</i> 25.91 <i>For >100 To 150, Deduct</i> -32.36 <i>For >150, Deduct</i> -64.72 <i>For Copper Pipe, Add</i> 38.82 <i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i> -55.00		
21 13 16 00-0010 EA Concealed Piping, Extra Hazard, Dry-Pipe Sprinkler System, Per Head 400.07 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon. <i>For Up To 5, Add</i> 186.41 <i>For >5 To 10, Add</i> 105.97 <i>For >10 To 20, Add</i> 79.58 <i>For >20 To 40, Add</i> 33.20 <i>For >100 To 150, Deduct</i> -40.01 <i>For >150, Deduct</i> -80.01 <i>For Copper Pipe, Add</i> 46.82 <i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i> -66.82		
21 13 16 00-0011 Dry-Pipe Sprinkler System Equipment (21 13 16 00-0001)		
21 13 16 00-0012 EA Dry System Air Compressor, 3/4 HP With Alarm Valve Flange With Gauge 1,917.69		229.79
21 13 16 00-0013 EA Dry System Air Compressor, 1 HP With Alarm Valve Flange With Gauge 2,004.74		229.79
21 13 16 00-0014 EA Dry System Air Compressor, 1-1/2 HP With Alarm Valve Flange With Gauge 2,078.19		229.79
21 13 16 00-0015 EA Dry System Air Compressor, 2 HP With Alarm Valve Flange With Gauge 2,363.83		229.79
21 13 16 00-0016 Dry-Pipe Sprinkler System Components (21 13 16)		
Note: Excludes hydraulic calculations.		
21 13 16 00-0017 Dry Pipe Alarm Valves (21 13 16 00-0016)		
21 13 16 00-0018 EA 2" Dry Pipe Alarm Valve 1,343.35		598.75
21 13 16 00-0019 EA 3" Dry Pipe Alarm Valve 1,803.65		817.34
21 13 16 00-0020 EA 4" Dry Pipe Alarm Valve 3,239.07		1,144.28
21 13 16 00-0021 EA 6" Dry Pipe Alarm Valve 4,113.61		1,352.01
21 13 16 00-0022 EA 8" Dry Pipe Alarm Valve 5,086.05		1,487.21
21 13 16 00-0023 Recessed Pendent Dry Pipe Sprinkler Heads, Quick Response (21 13 16 00-0016)		
21 13 16 00-0024 EA 3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head 129.56		14.91
<i>For >25 To 50, Deduct</i> -2.26		
<i>For >50 To 100, Deduct</i> -8.74		
<i>For >100 To 500, Deduct</i> -17.32		
<i>For >500 To 1,000, Deduct</i> -31.00		
<i>For >1,000, Deduct</i> -40.03		

21	Fire Suppression
21 10	Water-Based Fire-Suppression Systems
21 13	Fire-Suppression Sprinkler Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0025	EA		6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	134.42	14.91
			<i>For >25 To 50, Deduct</i>	-2.26	
			<i>For >50 To 100, Deduct</i>	-8.98	
			<i>For >100 To 500, Deduct</i>	-17.93	
			<i>For >500 To 1,000, Deduct</i>	-31.87	
			<i>For >1,000, Deduct</i>	-40.91	
21 13 16 00-0026	EA		9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	139.28	14.91
			<i>For >25 To 50, Deduct</i>	-2.26	
			<i>For >50 To 100, Deduct</i>	-9.22	
			<i>For >100 To 500, Deduct</i>	-18.54	
			<i>For >500 To 1,000, Deduct</i>	-32.75	
			<i>For >1,000, Deduct</i>	-41.78	
21 13 16 00-0027	EA		12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	144.16	14.91
			<i>For >25 To 50, Deduct</i>	-2.26	
			<i>For >50 To 100, Deduct</i>	-9.47	
			<i>For >100 To 500, Deduct</i>	-19.15	
			<i>For >500 To 1,000, Deduct</i>	-33.63	
			<i>For >1,000, Deduct</i>	-42.66	
21 13 16 00-0028	EA		15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	149.02	14.91
			<i>For >25 To 50, Deduct</i>	-2.26	
			<i>For >50 To 100, Deduct</i>	-9.71	
			<i>For >100 To 500, Deduct</i>	-19.76	
			<i>For >500 To 1,000, Deduct</i>	-34.50	
			<i>For >1,000, Deduct</i>	-43.54	
21 13 16 00-0029	EA		18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	153.89	14.91
			<i>For >25 To 50, Deduct</i>	-2.26	
			<i>For >50 To 100, Deduct</i>	-9.95	
			<i>For >100 To 500, Deduct</i>	-20.37	
			<i>For >500 To 1,000, Deduct</i>	-35.38	
			<i>For >1,000, Deduct</i>	-44.41	
21 13 16 00-0030	EA		21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	158.75	14.91
			<i>For >25 To 50, Deduct</i>	-2.26	
			<i>For >50 To 100, Deduct</i>	-10.20	
			<i>For >100 To 500, Deduct</i>	-20.97	
			<i>For >500 To 1,000, Deduct</i>	-36.25	
			<i>For >1,000, Deduct</i>	-45.29	
21 13 16 00-0031	EA		24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	163.62	14.91
			<i>For >25 To 50, Deduct</i>	-2.26	
			<i>For >50 To 100, Deduct</i>	-10.44	
			<i>For >100 To 500, Deduct</i>	-21.58	
			<i>For >500 To 1,000, Deduct</i>	-37.13	
			<i>For >1,000, Deduct</i>	-46.16	
21 13 16 00-0032	EA		27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	168.48	14.91
			<i>For >25 To 50, Deduct</i>	-2.26	
			<i>For >50 To 100, Deduct</i>	-10.68	
			<i>For >100 To 500, Deduct</i>	-22.19	
			<i>For >500 To 1,000, Deduct</i>	-38.01	
			<i>For >1,000, Deduct</i>	-47.04	
21 13 16 00-0033	EA		30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	173.35	14.91
			<i>For >25 To 50, Deduct</i>	-2.26	
			<i>For >50 To 100, Deduct</i>	-10.93	
			<i>For >100 To 500, Deduct</i>	-22.80	
			<i>For >500 To 1,000, Deduct</i>	-38.88	
			<i>For >1,000, Deduct</i>	-47.92	
21 13 16 00-0034	EA		33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	178.22	14.91
			<i>For >25 To 50, Deduct</i>	-2.26	
			<i>For >50 To 100, Deduct</i>	-11.17	
			<i>For >100 To 500, Deduct</i>	-23.41	
			<i>For >500 To 1,000, Deduct</i>	-39.76	
			<i>For >1,000, Deduct</i>	-48.79	
21 13 16 00-0035	EA		36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	183.08	14.91
			<i>For >25 To 50, Deduct</i>	-2.26	
			<i>For >50 To 100, Deduct</i>	-11.41	
			<i>For >100 To 500, Deduct</i>	-24.01	
			<i>For >500 To 1,000, Deduct</i>	-40.63	
			<i>For >1,000, Deduct</i>	-49.67	
21 13 16 00-0036	EA		39" To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	187.96	14.91
			<i>For >25 To 50, Deduct</i>	-2.26	
			<i>For >50 To 100, Deduct</i>	-11.66	
			<i>For >100 To 500, Deduct</i>	-24.62	
			<i>For >500 To 1,000, Deduct</i>	-41.51	
			<i>For >1,000, Deduct</i>	-50.55	
21 13 16 00-0037	EA		42" To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	192.81	14.91
			<i>For >25 To 50, Deduct</i>	-2.26	
			<i>For >50 To 100, Deduct</i>	-11.90	
			<i>For >100 To 500, Deduct</i>	-25.23	
			<i>For >500 To 1,000, Deduct</i>	-42.38	
			<i>For >1,000, Deduct</i>	-51.42	
21 13 16 00-0038	EA		45" To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	197.68	14.91
			<i>For >25 To 50, Deduct</i>	-2.26	
			<i>For >50 To 100, Deduct</i>	-12.14	
			<i>For >100 To 500, Deduct</i>	-25.84	
			<i>For >500 To 1,000, Deduct</i>	-43.26	
			<i>For >1,000, Deduct</i>	-52.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0039 Sidewall Dry Pipe Sprinkler Heads, Quick Response <small>(21 13 16 00-0016)</small>		
21 13 16 00-0040 EA 3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	128.39	14.91
<i>For >25 To 50, Deduct</i>	-2.26	
<i>For >50 To 100, Deduct</i>	-8.68	
<i>For >100 To 500, Deduct</i>	-17.18	
<i>For >500 To 1,000, Deduct</i>	-30.79	
<i>For >1,000, Deduct</i>	-39.82	
21 13 16 00-0041 EA 6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	133.26	14.91
<i>For >25 To 50, Deduct</i>	-2.26	
<i>For >50 To 100, Deduct</i>	-8.92	
<i>For >100 To 500, Deduct</i>	-17.79	
<i>For >500 To 1,000, Deduct</i>	-31.67	
<i>For >1,000, Deduct</i>	-40.70	
21 13 16 00-0042 EA 9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	138.13	14.91
<i>For >25 To 50, Deduct</i>	-2.26	
<i>For >50 To 100, Deduct</i>	-9.17	
<i>For >100 To 500, Deduct</i>	-18.40	
<i>For >500 To 1,000, Deduct</i>	-32.54	
<i>For >1,000, Deduct</i>	-41.58	
21 13 16 00-0043 EA 12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	142.98	14.91
<i>For >25 To 50, Deduct</i>	-2.26	
<i>For >50 To 100, Deduct</i>	-9.41	
<i>For >100 To 500, Deduct</i>	-19.00	
<i>For >500 To 1,000, Deduct</i>	-33.42	
<i>For >1,000, Deduct</i>	-42.45	
21 13 16 00-0044 EA 15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	147.86	14.91
<i>For >25 To 50, Deduct</i>	-2.26	
<i>For >50 To 100, Deduct</i>	-9.65	
<i>For >100 To 500, Deduct</i>	-19.61	
<i>For >500 To 1,000, Deduct</i>	-34.29	
<i>For >1,000, Deduct</i>	-43.33	
21 13 16 00-0045 EA 18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	152.71	14.91
<i>For >25 To 50, Deduct</i>	-2.26	
<i>For >50 To 100, Deduct</i>	-9.89	
<i>For >100 To 500, Deduct</i>	-20.22	
<i>For >500 To 1,000, Deduct</i>	-35.17	
<i>For >1,000, Deduct</i>	-44.20	
21 13 16 00-0046 EA 21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	157.59	14.91
<i>For >25 To 50, Deduct</i>	-2.26	
<i>For >50 To 100, Deduct</i>	-10.14	
<i>For >100 To 500, Deduct</i>	-20.83	
<i>For >500 To 1,000, Deduct</i>	-36.05	
<i>For >1,000, Deduct</i>	-45.08	
21 13 16 00-0047 EA 24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	162.46	14.91
<i>For >25 To 50, Deduct</i>	-2.26	
<i>For >50 To 100, Deduct</i>	-10.38	
<i>For >100 To 500, Deduct</i>	-21.44	
<i>For >500 To 1,000, Deduct</i>	-36.92	
<i>For >1,000, Deduct</i>	-45.96	
21 13 16 00-0048 EA 27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	167.31	14.91
<i>For >25 To 50, Deduct</i>	-2.26	
<i>For >50 To 100, Deduct</i>	-10.62	
<i>For >100 To 500, Deduct</i>	-22.04	
<i>For >500 To 1,000, Deduct</i>	-37.79	
<i>For >1,000, Deduct</i>	-46.83	
21 13 16 00-0049 EA 30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	172.18	14.91
<i>For >25 To 50, Deduct</i>	-2.26	
<i>For >50 To 100, Deduct</i>	-10.87	
<i>For >100 To 500, Deduct</i>	-22.65	
<i>For >500 To 1,000, Deduct</i>	-38.67	
<i>For >1,000, Deduct</i>	-47.71	
21 13 16 00-0050 EA 33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	177.05	14.91
<i>For >25 To 50, Deduct</i>	-2.26	
<i>For >50 To 100, Deduct</i>	-11.11	
<i>For >100 To 500, Deduct</i>	-23.26	
<i>For >500 To 1,000, Deduct</i>	-39.55	
<i>For >1,000, Deduct</i>	-48.58	
21 13 16 00-0051 EA 36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	181.91	14.91
<i>For >25 To 50, Deduct</i>	-2.26	
<i>For >50 To 100, Deduct</i>	-11.35	
<i>For >100 To 500, Deduct</i>	-23.87	
<i>For >500 To 1,000, Deduct</i>	-40.42	
<i>For >1,000, Deduct</i>	-49.46	
21 13 16 00-0052 EA 39" To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	196.52	14.91
<i>For >25 To 50, Deduct</i>	-2.26	
<i>For >50 To 100, Deduct</i>	-12.08	
<i>For >100 To 500, Deduct</i>	-25.69	
<i>For >500 To 1,000, Deduct</i>	-43.05	
<i>For >1,000, Deduct</i>	-52.09	
21 13 16 00-0053 EA 42" To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	201.38	14.91
<i>For >25 To 50, Deduct</i>	-2.26	
<i>For >50 To 100, Deduct</i>	-12.33	
<i>For >100 To 500, Deduct</i>	-26.30	
<i>For >500 To 1,000, Deduct</i>	-43.93	
<i>For >1,000, Deduct</i>	-52.96	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0054	EA		45" To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	203.32	14.91
			<i>For >25 To 50, Deduct</i>	-2.26	
			<i>For >50 To 100, Deduct</i>	-12.42	
			<i>For >100 To 500, Deduct</i>	-26.54	
			<i>For >500 To 1,000, Deduct</i>	-44.28	
			<i>For >1,000, Deduct</i>	-53.31	
21 13 16 00-0055			Pendent Dry Pipe Sprinkler Head, Early Suppression, Fast Response <small>(21 13 16 00-0016)</small>		
21 13 16 00-0056	EA		23" Length, 1-1/4" NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head.....	544.54	14.91
			<i>For >25 To 50, Deduct</i>	-2.45	
			<i>For >50 To 100, Deduct</i>	-29.67	
			<i>For >100 To 500, Deduct</i>	-69.29	
			<i>For >500 To 1,000, Deduct</i>	-106.34	
			<i>For >1,000, Deduct</i>	-116.12	
21 13 16 00-0057	EA		30" Length, 1-1/4" NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head.....	544.54	14.91
			<i>For >25 To 50, Deduct</i>	-2.45	
			<i>For >50 To 100, Deduct</i>	-29.67	
			<i>For >100 To 500, Deduct</i>	-69.29	
			<i>For >500 To 1,000, Deduct</i>	-106.34	
			<i>For >1,000, Deduct</i>	-116.12	
21 13 16 00-0058	EA		36" Length, 1-1/4" NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head.....	544.54	14.91
			<i>For >25 To 50, Deduct</i>	-2.45	
			<i>For >50 To 100, Deduct</i>	-29.67	
			<i>For >100 To 500, Deduct</i>	-69.29	
			<i>For >500 To 1,000, Deduct</i>	-106.34	
			<i>For >1,000, Deduct</i>	-116.12	
21 13 16 00-0059	EA		36" Length, 1-1/4" ISO Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head.....	544.54	14.91
			<i>For >25 To 50, Deduct</i>	-2.45	
			<i>For >50 To 100, Deduct</i>	-29.67	
			<i>For >100 To 500, Deduct</i>	-69.29	
			<i>For >500 To 1,000, Deduct</i>	-106.34	
			<i>For >1,000, Deduct</i>	-116.12	
21 13 19			Precision Sprinkler Systems <small>(21 13)</small>		
21 13 19 00-0001			Complete Precision Sprinkler Systems <small>(21 13 19)</small>		
			Note: Includes complete design per NFPA 13 and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks.		
21 13 19 00-0002			Ordinary Hazard, Precision Sprinkler Systems <small>(21 13 19 00-0001)</small>		
21 13 19 00-0003	EA		Exposed Piping, Ordinary Hazard, Precision Sprinkler System, Per Head.....	326.00	
			Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			<i>For Up To 5, Add</i>	151.27	
			<i>For >5 To 10, Add</i>	96.51	
			<i>For >10 To 20, Add</i>	63.91	
			<i>For >20 To 40, Add</i>	26.74	
			<i>For >100 To 150, Deduct</i>	-32.60	
			<i>For >150, Deduct</i>	-65.20	
21 13 19 00-0004			Extra Hazard, Precision Sprinkler Systems <small>(21 13 19 00-0001)</small>		
21 13 19 00-0005	EA		Exposed Piping, Extra Hazard, Precision Sprinkler System, Per Head.....	303.53	
			Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			<i>For Up To 5, Add</i>	140.86	
			<i>For >5 To 10, Add</i>	89.88	
			<i>For >10 To 20, Add</i>	59.53	
			<i>For >20 To 40, Add</i>	24.90	
			<i>For >100 To 150, Deduct</i>	-30.35	
			<i>For >150, Deduct</i>	-60.71	
21 13 26			Deluge Fire-Suppression Sprinkler Systems <small>(21 13)</small>		
21 13 26 00-0001			Deluge Fire-Suppression Sprinkler Systems Equipment <small>(21 13 26)</small>		
			See CSI section 23 21 13 23-0000 for pipe and fittings.		
21 13 26 00-0002			Deluge Valves With Required Trim And Release Equipment <small>(21 13 26 00-0001)</small>		
21 13 26 00-0003	EA		3" Deluge Valve With Trim And Release Equipment	4,024.57	418.22
21 13 26 00-0004	EA		4" Deluge Valve With Trim And Release Equipment	4,611.35	470.45
21 13 26 00-0005	EA		6" Deluge Valve With Trim And Release Equipment	5,755.96	684.30
21 13 39			Foam-Water Systems <small>(21 13)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 39 00-0001 Foam Control Valves And Monitors <small>(21 13 39)</small>		
21 13 39 00-0002 Control Valves <small>(21 13 39 00-0001)</small>		
21 13 39 00-0003 EA 3" Foam Control Valve.....	1,993.14	418.22
21 13 39 00-0004 Supply Valves <small>(21 13 39 00-0001)</small>		
21 13 39 00-0005 EA 2-1/2" Foam Supply Valve.....	1,840.63	470.45
21 13 39 00-0006 Proportioners <small>(21 13 39 00-0001)</small>		
21 13 39 00-0007 EA 8" Foam Proportioner.....	1,656.23	684.30
21 13 39 00-0008 Monitors <small>(21 13 39 00-0001)</small>		
21 13 39 00-0009 EA Oscillating Foam Monitor.....	1,911.09	94.09
21 13 41 Fire-Suppression Sprinkler Piping <small>(21 13)</small>		
<small>See CSI section 23 21 13 23-0000 for black steel piping.</small>		
21 13 41 00-0001 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe <small>(21 13 41)</small>		
<small>Note: SDR 13.5</small>		
21 13 41 00-0002 Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe <small>(21 13 41 00-0001)</small>		
21 13 41 00-0003 LF 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe.....	4.13	1.21
21 13 41 00-0004 LF 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe.....	4.95	1.28
21 13 41 00-0005 LF 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe.....	6.24	1.43
21 13 41 00-0006 LF 1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe.....	7.65	1.58
21 13 41 00-0007 LF 2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe.....	9.85	1.73
21 13 41 00-0008 LF 2-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe.....	13.52	1.96
21 13 41 00-0009 LF 3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe.....	18.91	2.34
21 13 41 00-0010 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0011 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping.....	19.53	7.23
21 13 41 00-0012 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping.....	25.82	9.03
21 13 41 00-0013 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping.....	32.31	11.29
21 13 41 00-0014 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping.....	36.98	12.50
21 13 41 00-0015 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping.....	42.00	14.00
21 13 41 00-0016 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping.....	53.33	15.88
21 13 41 00-0017 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping.....	65.45	18.82
21 13 41 00-0018 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0019 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping.....	20.04	7.23
21 13 41 00-0020 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping.....	25.00	9.03
21 13 41 00-0021 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping.....	31.69	11.29
21 13 41 00-0022 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping.....	35.99	12.50
21 13 41 00-0023 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping.....	40.76	14.00
21 13 41 00-0024 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping.....	50.21	15.88
21 13 41 00-0025 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping.....	62.02	18.82
21 13 41 00-0026 Chlorinated Polyvinyl Chloride (CPVC) Tees, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0027 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping.....	29.07	10.84
21 13 41 00-0028 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping.....	37.92	13.63
21 13 41 00-0029 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping.....	48.34	17.01
21 13 41 00-0030 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping.....	55.61	18.82
21 13 41 00-0031 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping.....	65.20	20.92
21 13 41 00-0032 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping.....	80.43	23.86
21 13 41 00-0033 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping.....	95.01	28.15
21 13 41 00-0034 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0035 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping.....	35.02	12.72
21 13 41 00-0036 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping.....	45.69	15.88
21 13 41 00-0037 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping.....	51.19	17.54
21 13 41 00-0038 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping.....	60.70	19.57
21 13 41 00-0039 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping.....	71.81	22.28
21 13 41 00-0040 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping.....	84.47	26.27
21 13 41 00-0041 Chlorinated Polyvinyl Chloride (CPVC) Crosses, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0042 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping.....	39.25	14.45

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21	13 41 00-0043	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	49.21	18.14
	21 13 41 00-0044	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	62.02	22.65
	21 13 41 00-0045	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	70.00	25.06
	21 13 41 00-0046	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	82.02	27.93
	21 13 41 00-0047	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	106.01	31.76
21	13 41 00-0048		Chlorinated Polyvinyl Chloride (CPVC) Couplings, Fire Sprinkler Piping ^(21 13 41 00-0001)		
	21 13 41 00-0049	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	13.44	4.82
	21 13 41 00-0050	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	18.00	6.47
	21 13 41 00-0051	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	23.88	8.51
	21 13 41 00-0052	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	27.27	9.41
	21 13 41 00-0053	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	31.33	10.46
	21 13 41 00-0054	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	37.67	11.89
	21 13 41 00-0055	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	45.49	14.08
21	13 41 00-0056		Chlorinated Polyvinyl Chloride (CPVC) Caps, Fire Sprinkler Piping ^(21 13 41 00-0001)		
	21 13 41 00-0057	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	6.87	2.41
	21 13 41 00-0058	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	10.91	3.91
	21 13 41 00-0059	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	12.54	4.21
	21 13 41 00-0060	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	14.40	4.67
	21 13 41 00-0061	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	17.11	5.27
	21 13 41 00-0062	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	20.69	5.95
	21 13 41 00-0063	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	26.99	7.07
21	13 41 00-0064		Chlorinated Polyvinyl Chloride (CPVC) Reducer Bushing, Fire Sprinkler Piping ^(21 13 41 00-0001)		
	21 13 41 00-0065	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	18.93	7.16
	21 13 41 00-0066	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	25.10	9.33
	21 13 41 00-0067	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	27.75	10.31
	21 13 41 00-0068	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	31.64	11.52
	21 13 41 00-0069	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	37.65	13.10
	21 13 41 00-0070	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	46.06	15.51
21	13 41 00-0071		Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip x Female Pipe Thread, Fire Sprinkler Piping ^(21 13 41 00-0001)		
	21 13 41 00-0072	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping.....	16.89	5.27
	21 13 41 00-0073	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping	21.69	7.16
21	13 41 00-0074		Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping ^(21 13 41 00-0001)		
	21 13 41 00-0075	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	16.89	5.27
	21 13 41 00-0076	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	21.69	7.16
21	13 41 00-0077		Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping ^(21 13 41 00-0001)		
	21 13 41 00-0078	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	19.65	6.47
	21 13 41 00-0079	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	25.14	8.13
	21 13 41 00-0080	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 3/4" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	26.18	8.13
21	13 41 00-0081		Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping ^(21 13 41 00-0001)		
	21 13 41 00-0082	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	32.24	10.84
	21 13 41 00-0083	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	39.58	13.63
	21 13 41 00-0084	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	51.72	17.01
	21 13 41 00-0085	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	59.20	18.82
	21 13 41 00-0086	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	69.57	20.92

21 20 Fire-Extinguishing Systems ⁽²¹⁾



Fire Suppression	21	
Fire-Extinguishing Systems	21 20	12
Carbon-Dioxide Fire-Extinguishing Systems	21 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 21 Carbon-Dioxide Fire-Extinguishing Systems (21 20)

21 21 16 Carbon-Dioxide Fire-Extinguishing Equipment (21 21)

21 21 16 00-0001	Carbon Dioxide Cylinders (21 21 16)		
21 21 16 00-0002	EA Carbon Dioxide Simplex Cylinder, 75 LB.....	1,418.44	193.51
21 21 16 00-0003	EA Carbon Dioxide Duplex Cylinder, 75 LB (Each).....	2,836.87	387.01
21 21 16 00-0004	EA Carbon Dioxide Cylinder, Heat/Ion Detector, With Bracket.....	238.37	102.44
21 21 16 00-0005	EA Carbon Dioxide Cylinder, Dispersion Nozzle.....	99.83	34.26
21 21 16 00-0006	LF Carbon Dioxide Cylinder, 1/2" Rubber Tubing.....	27.66	13.89

21 22 Clean-Agent Fire-Extinguishing Systems (21 20)

21 22 16 Clean-Agent Fire-Extinguishing Equipment (21 22)

21 22 16 00-0001	Ansul Fire Control Systems (21 22 16)		
21 22 16 00-0002	Sapphire® Fire Suppression Systems (21 22 16 00-0001)		
	Note: ANSUL® SAPPHIRE® fire suppression systems use 3M™ Novec™ 1230 fire protection fluid for total flooding applications.		
21 22 16 00-0003	Cylinders, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0004	EA 20 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570635).....	1,178.82	65.97
	Note: 10 to 21 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0005	EA 40 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570636).....	1,342.03	65.97
	Note: 20 to 46 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0006	EA 80 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570637).....	1,363.49	65.97
	Note: 41 to 80 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0007	EA 140 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570638).....	1,934.17	87.96
	Note: 58 to 138 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0008	EA 280 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570639).....	2,042.06	87.96
	Note: 116 to 280 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0009	EA 390 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570640).....	2,186.28	109.95
	Note: 161 to 388 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0010	EA 450 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570641).....	2,317.83	109.95
	Note: 194 to 459 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0011	EA 850 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570586).....	3,488.75	131.94
	Note: 375 to 851 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0012	LB Sapphire Agent. Fire Protection Fluid, Factory Filled (Novec 1230).....	29.15	131.94
	Note: Add to empty tank cost.		

21 22 16 00-0013 Nozzles, Sapphire® Fire Suppression Systems (21 22 16 00-0002)

21 22 16 00-0014	EA 1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570515).....	113.87	11.00
21 22 16 00-0015	EA 3/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570516).....	116.65	11.00
21 22 16 00-0016	EA 1" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570517).....	123.62	11.00
21 22 16 00-0017	EA 1-1/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570518).....	128.49	11.00
21 22 16 00-0018	EA 1-1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570519).....	135.45	11.00
21 22 16 00-0019	EA 2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570520).....	156.32	11.00
21 22 16 00-0020	EA 1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570602).....	113.87	11.00
21 22 16 00-0021	EA 3/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570603).....	116.65	11.00
21 22 16 00-0022	EA 1" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570604).....	123.62	11.00
21 22 16 00-0023	EA 1-1/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570605).....	128.49	11.00
21 22 16 00-0024	EA 1-1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570606).....	135.45	11.00
21 22 16 00-0025	EA 2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570607).....	156.32	11.00

21 22 16 00-0026 Actuation Attachments, Sapphire® Fire Suppression System (21 22 16 00-0002)

21 22 16 00-0027	EA 7/16-20 To 1/4" NPT, Male Actuation Elbow, Sapphire® Fire Suppression System (Ansul 31810).....	10.90	3.30
21 22 16 00-0028	EA 7/16-20 To 1/4" NPT, Male Actuation Tee, Sapphire® Fire Suppression System (Ansul 31811).....	12.09	3.30
21 22 16 00-0029	EA 1/4" NPT To 7/16-20, Male Actuation Connector, Sapphire® Fire Suppression System (Ansul 32338).....	17.35	7.70
21 22 16 00-0030	EA 16" Actuation Hose, Sapphire® Fire Suppression System (Ansul 73597).....	38.61	9.85
21 22 16 00-0031	EA 32" Actuation Hose, Sapphire® Fire Suppression System (Ansul 415142).....	55.89	9.85
21 22 16 00-0032	EA 42" Actuation Hose, Sapphire® Fire Suppression System (Ansul 430815).....	66.91	9.85
21 22 16 00-0033	EA 24", Stainless Steel, Swivel, Braided Actuation Hose, Sapphire® Fire Suppression System (Ansul 32336).....	34.63	9.85
21 22 16 00-0034	EA Pneumatic Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537).....	246.21	87.96
21 22 16 00-0035	EA Local Manual Actuator, Sapphire® Fire Suppression System (Ansul 570549).....	232.17	65.97
21 22 16 00-0036	EA Electric Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537).....	505.15	87.96

21 22 16 00-0037 Nameplates, Sapphire® Fire Suppression Systems (21 22 16 00-0002)

21 22 16 00-0038	EA Warning Plate For Use Outside Room, Sapphire® Fire Suppression Systems (Ansul 570580).....	38.69	11.00
21 22 16 00-0039	EA Warning Plate for Use Inside Room, Sapphire® Fire Suppression Systems (Ansul 570581).....	41.84	11.00

21 22 16 00-0040 Cylinder Bracketing, Sapphire® Fire Suppression Systems (21 22 16 00-0002)

21 22 16 00-0041	EA Tank Bracket Assembly For 20 LB, 40 LB, 50 LB, 80 LB And 90 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570085).....	118.87	32.98
21 22 16 00-0042	EA Tank Bracket Assembly For 140 LB, 280 LB, 390 LB And 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570085).....	125.14	32.98
21 22 16 00-0043	EA Tank Bracket Assembly For 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570336).....	133.14	32.98

21	Fire Suppression
21 20	Fire-Extinguishing Systems
21 22	Clean-Agent Fire-Extinguishing Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0044			Check Valves, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0045	EA		1" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570566).....	302.77	35.01
21 22 16 00-0046	EA		2" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570568).....	427.39	60.08
21 22 16 00-0047			Discharge Hose, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0048	EA		1" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570539).....	98.97	21.99
21 22 16 00-0049	EA		2" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570538).....	355.13	21.99
21 22 16 00-0050	EA		3" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 69990).....	300.13	21.99
21 22 16 00-0051	EA		3" Discharge Hose And Check Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 69841).....	1,309.11	87.96
21 22 16 00-0052			Swivel Adaptors, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0053	EA		1" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570557).....	36.33	15.39
21 22 16 00-0054	EA		2" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570558).....	62.36	15.39
21 22 16 00-0055	EA		3" Flare To 3" Grooved, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69471).....	168.16	11.00
21 22 16 00-0056	EA		3" Flare To 3" NPT, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69470).....	218.26	11.00
21 22 16 00-0057			Pressure Switches, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0058	EA		Cylinder Low Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 570585).....	134.25	43.98
21 22 16 00-0059	EA		Pressure Trip, Sapphire® Fire Suppression Systems (Ansul 5156).....	128.14	18.47
21 22 16 00-0060	EA		Weather Proof, DPST Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 46250).....	399.64	76.96
21 22 16 00-0061			Level Indicators, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0062	EA		Liquid Level Indicator For 280 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570277).....	447.03	15.39
21 22 16 00-0063	EA		Liquid Level Indicator For 390 LB And 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570278).....	467.92	15.39
21 22 16 00-0064	EA		Liquid Level Indicator For 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570589).....	502.68	21.99
21 22 16 00-0065			Inspection/Maintenance Devices, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0066	EA		Master Tank Pilot Port Male Adaptor, Sapphire® Fire Suppression Systems (Ansul 570342).....	37.53	13.19
21 22 16 00-0067	EA		Cylinder Valve Pressure Gauge, Sapphire® Fire Suppression Systems (Ansul 570642).....	46.73	15.39
21 22 16 00-0068	EA		Recharge Top Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570579).....	159.92	65.97
21 22 16 00-0069	EA		1" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570576).....	183.80	65.97
21 22 16 00-0070	EA		2" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570592).....	203.63	65.97
21 22 16 00-0071	EA		3" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 69891).....	267.67	65.97
21 22 16 00-0072			Replacement Parts, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0073	EA		O-Ring Kit, Sapphire® Fire Suppression Systems (Ansul 570559).....	45.20	17.59
21 22 16 00-0074	EA		Recoil Cap, Sapphire® Fire Suppression Systems (Ansul 570553).....	69.67	11.00
21 22 16 00-0075	EA		Burst Disc Assembly, Sapphire® Fire Suppression Systems (Ansul 570053).....	95.85	21.99
21 22 16 00-0076	EA		Bonnet Assembly, Sapphire® Fire Suppression Systems (Ansul 570543).....	260.83	87.96
21 22 16 00-0077	EA		Piston Assembly, Sapphire® Fire Suppression Systems (Ansul 570551).....	382.64	87.96
21 22 16 00-0078	EA		1" Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570535).....	1,236.71	87.96
21 22 16 00-0079			Inergen® Fire Suppression System (21 22 16 00-0001)		
21 22 16 00-0080			Actuation Attachments, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0081	EA		Flexible Discharge Bend For CV90 And CV98 (200 Bar), Inergen® Fire Suppression System (Ansul 427082).....	134.82	21.11
21 22 16 00-0082	EA		Metron Protractor Replacement Cartridges, Inergen® Fire Suppression System (Ansul 423958).....	156.41	22.69
21 22 16 00-0083	EA		Electric Actuator, Lever, CV98, Inergen® Fire Suppression System (Ansul 423309).....	279.86	41.07
21 22 16 00-0084	EA		Electric Actuator For CV90 Valve, Inergen® Fire Suppression System (Ansul 426876).....	565.10	93.54
21 22 16 00-0085			Check Valves, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0086	EA		2" Bronze Check Valve, Weld Neck Flange, Inergen® Fire Suppression System (Ansul 840794).....	1,330.07	123.44
21 22 16 00-0087			Components, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0088	EA		1/2" Manifold Relief Valve, Inergen® Fire Suppression System (Ansul 418378).....	40.09	6.47
21 22 16 00-0089	EA		Pressure Operated Siren, Inergen® Fire Suppression System (Ansul 419700).....	470.08	69.36
21 22 16 00-0090	EA		30 Second Pneumatic Time Delay, Inergen® Fire Suppression System (Ansul 54169).....	1,463.55	217.03
21 22 16 00-0091	EA		60 Second Time Delay, Inergen® Fire Suppression System (Ansul 426170).....	1,397.91	221.10
21 22 16 00-0092			Cylinders, Inergen® Fire Suppression System (21 22 16 00-0079)		
			Note: Includes CV98 valve. Factory filled with Inergen agent.		
21 22 16 00-0093	EA		200 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426147).....	1,224.17	198.63
21 22 16 00-0094	EA		250 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426148).....	1,388.64	225.04
21 22 16 00-0095	EA		350 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426620).....	1,980.63	291.62
21 22 16 00-0096	EA		435 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426150).....	1,988.71	356.35
21 22 16 00-0097	EA		250 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426257).....	1,440.20	250.92
21 22 16 00-0098	EA		350 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426621).....	2,032.55	317.60



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0099 EA 435 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426259)	2,109.62	382.93
21 22 16 00-0100 Inspection/Maintenance Devices, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>		
21 22 16 00-0101 EA CV90 Fill Adaptor To CV98 Valve, Conversion Adapter, Inergen® Fire Suppression System (Ansul 423657)	46.16	7.22
21 22 16 00-0102 EA CV98 To CV90 Conversion Adapter, Cylinder Test Gauge, Inergen® Fire Suppression System (Ansul 426181)	46.16	7.22
21 22 16 00-0103 EA CV90 Pressure Test Assembly Venting Kit, Inergen® Fire Suppression System (Ansul 426954)	55.53	8.02
21 22 16 00-0104 EA Pressure Test Gauge, Inergen® Fire Suppression System (Ansul 423923)	879.67	137.83
21 22 16 00-0105 Multiple Cylinder Bracketing, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>		
21 22 16 00-0106 EA 13" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418502)	14.78	2.11
Note: For single row 435 cubic foot cylinders.		
21 22 16 00-0107 EA 27" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418503)	20.97	3.01
Note: For double row 435 cubic foot cylinders.		
21 22 16 00-0108 Nameplates, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>		
21 22 16 00-0109 EA Warning Plate, Nameplate, Inside Room With Alarm, Inergen® Fire Suppression System (Ansul 416265)	16.29	2.36
21 22 16 00-0110 EA Warning Plate, Nameplate, Outside Room Without Alarm, Inergen® Fire Suppression System (Ansul 416266)	15.10	2.36
21 22 16 00-0111 Nozzle Deflector Shields, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>		
21 22 16 00-0112 EA 1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417708)	65.60	10.17
21 22 16 00-0113 EA 3/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417711)	68.84	10.65
21 22 16 00-0114 EA 1" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417714)	79.95	12.31
21 22 16 00-0115 EA 1-1/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417717)	89.17	13.89
21 22 16 00-0116 EA 1-1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417720)	102.27	15.97
21 22 16 00-0117 Nozzles, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>		
21 22 16 00-0118 EA 1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417908)	100.50	15.74
21 22 16 00-0119 EA 3/8" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417723)	104.24	16.20
21 22 16 00-0120 EA 1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417362)	96.16	15.00
21 22 16 00-0121 EA 3/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417363)	98.67	16.20
21 22 16 00-0122 EA 1" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417364)	114.31	17.83
21 22 16 00-0123 EA 1-1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417365)	122.20	18.99
21 22 16 00-0124 EA 1-1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417366)	131.57	20.38
21 22 16 00-0125 EA 2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426155)	226.54	35.65
21 22 16 00-0126 EA 2-1/2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426156)	299.52	46.76
21 22 16 00-0127 EA 3" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426137)	326.57	51.40
21 22 16 00-0128 EA 1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426138)	117.06	18.51
21 22 16 00-0129 EA 3/8" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426139)	138.06	21.67
21 22 16 00-0130 EA 1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426140)	113.61	17.83
21 22 16 00-0131 EA 3/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426141)	121.32	18.89
21 22 16 00-0132 EA 1" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426142)	122.40	18.99
21 22 16 00-0133 EA 1-1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426143)	147.75	23.05
21 22 16 00-0134 EA 1-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426157)	159.27	25.00
21 22 16 00-0135 EA 2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426144)	244.49	38.37
21 22 16 00-0136 EA 2-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426145)	285.50	44.91
21 22 16 00-0137 EA 3" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426146)	312.83	49.08
21 22 16 00-0138 Pressure Reducers, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>		
21 22 16 00-0139 EA 1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416677)	131.57	20.38
21 22 16 00-0140 EA 3/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416678)	161.46	25.38
21 22 16 00-0141 EA 1" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416679)	173.67	27.32
21 22 16 00-0142 EA 1-1/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416680)	244.49	38.37
21 22 16 00-0143 EA 1-1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416681)	267.17	42.04
21 22 16 00-0144 EA 2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416682)	313.91	49.08
21 22 16 00-0145 EA 2-1/2" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417057)	364.99	57.55
21 22 16 00-0146 EA 3" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417058)	431.56	68.07
21 22 16 00-0147 EA 2-1/2" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426823)	549.83	134.28
21 22 16 00-0148 EA 3" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426824)	705.86	157.44
21 22 16 00-0149 EA 4" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426825)	911.26	263.93
21 22 16 00-0150 EA 2-1/2" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426847)	536.60	134.28
21 22 16 00-0151 EA 3" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426848)	594.08	93.79
21 22 16 00-0152 EA 4" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426849)	911.26	263.93
21 22 16 00-0153 EA 2-1/2" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426853)	547.74	134.28
21 22 16 00-0154 EA 3" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426854)	617.45	97.47
21 22 16 00-0155 EA 4" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426855)	894.55	263.93
21 22 16 00-0156 Pressure Switches, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>		
21 22 16 00-0157 EA 3PST, Pressure Switch, Inergen® Fire Suppression System (Ansul 842344)	619.28	102.33
21 22 16 00-0158 Releasing Device Equipment, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>		

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 22 Clean-Agent Fire-Extinguishing Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0159 EA 12 Or 24 Volt DC, Assembly, Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 17728)	1,013.80	158.76
21 22 16 00-0160 EA 24 Volt DC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 31492)	1,439.88	211.55
21 22 16 00-0161 EA 120 Volt AC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 32525)	1,524.49	215.19
21 22 16 00-0162 EA Cocking Lever For Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 26310)	71.51	10.94
21 22 16 00-0163 EA LT-30-R Nitrogen Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 5373)	85.80	14.49
21 22 16 00-0164 EA Remote Actuator Booster With N2 Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 28939)	816.14	113.26
21 22 16 00-0165 Replacement Orifice Plates, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0166 EA 1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418095)	88.88	10.75
21 22 16 00-0167 EA 3/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418096)	93.16	11.32
21 22 16 00-0168 EA 1" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418097)	97.74	11.52
21 22 16 00-0169 EA 1-1/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418098)	104.77	11.90
21 22 16 00-0170 EA 1-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418099)	109.19	13.05
21 22 16 00-0171 EA 2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418100)	109.93	14.11
21 22 16 00-0172 EA 2-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426984)	242.70	37.82
21 22 16 00-0173 EA 3" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426985)	244.87	38.20
21 22 16 00-0174 EA 4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426986)	313.91	48.95
21 22 16 00-0175 Single Cylinder Bracketing, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0176 EA Strap For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427704)	114.31	17.83
21 22 16 00-0177 EA Channel For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427705)	160.43	40.75
Note: Includes saddle, padding and fasteners.		
21 22 16 00-0178 Single Mating Flanges, Flanged Manifold Orifices, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0179 EA 2-1/2" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426856)	293.25	26.35
Note: Includes gasket and fasteners.		
21 22 16 00-0180 EA 3" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426857)	250.60	39.34
Note: Includes gasket and fasteners.		
21 22 16 00-0181 EA 4" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426858)	525.67	263.93
Note: Includes gasket and fasteners.		
21 22 16 00-0182 EA 2-1/2" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426859)	157.11	24.61
Note: Includes gasket and fasteners.		
21 22 16 00-0183 EA 3" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426860)	184.42	28.71
Note: Includes gasket and fasteners.		
21 22 16 00-0184 EA 4" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426861)	522.15	263.93
Note: Includes gasket and fasteners.		
21 22 16 00-0185 EA 2-1/2" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426862)	163.60	25.77
Note: Includes gasket and fasteners.		
21 22 16 00-0186 EA 3" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426863)	191.64	30.04
Note: Includes gasket and fasteners.		
21 22 16 00-0187 EA 4" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426864)	539.55	263.93
Note: Includes gasket and fasteners.		
21 22 16 00-0188 EA 2-1/2" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426828)	31.32	1.95
Note: Includes a stainless steel inner ring and a carbon steel outer ring.		
21 22 16 00-0189 EA 3" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426829)	31.72	2.15
Note: Includes a stainless steel inner ring and a carbon steel outer ring.		
21 22 16 00-0190 EA 4" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426830)	34.21	2.55
Note: Includes a stainless steel inner ring and a carbon steel outer ring.		
21 22 16 00-0191 Upright And Feet, Cylinder Bracketing, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0192 EA Center Upright Foot, Inergen® Fire Suppression System (Ansul 418508)	20.03	3.13
21 22 16 00-0193 EA Double Row, Back-To-Back Rows, Weigh Rail Support, Inergen® Fire Suppression System (Ansul 423027)	164.30	23.80
21 22 16 00-0194 EA 85" High, Cylinder Bracketing For 425 CF And LC100 Cylinders, Inergen® Fire Suppression System (Ansul 426592)	123.94	23.80
Note: Includes upright, left, right and center.		
21 22 16 00-0195 Autopulse® Fire Detection And Control Equipment (21 22 16 00-0001)		
21 22 16 00-0196 Accessory Switches, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)		
21 22 16 00-0197 EA Abort, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76495)	129.17	20.54
21 22 16 00-0198 EA Abort, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76494)	146.83	23.42



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0199 EA Main/Reserve, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76497)	186.76	29.76
21 22 16 00-0200 EA Main/Reserve, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76496)	201.16	32.06
21 22 16 00-0201 EA Maintenance, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76499)	251.92	40.31
21 22 16 00-0202 EA Maintenance, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76498)	268.10	42.81
21 22 16 00-0203 EA Explosion Proof, Abort Switch, Autopulse® Fire Detection And Control Equipment (Ansul 65956)	514.00	82.55
21 22 16 00-0204 EA Single Gang, Surface Mount Back Box For Accessory Switches, Autopulse® Fire Detection And Control Equipment (Ansul 76490)	41.27	6.14
21 22 16 00-0205 Alarm Devices, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)		
21 22 16 00-0206 EA Selectable Candela Strobe, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429698)	111.92	17.85
21 22 16 00-0207 EA Sync Module, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429699)	164.09	26.10
21 22 16 00-0208 EA Back Box Extender Adapter, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429702)	14.97	2.38
21 22 16 00-0209 Annunciators, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)		
21 22 16 00-0210 EA 80 Character LCD, Annunciator, LCD-80, Autopulse® Fire Detection And Control Equipment (Ansul 417492)	1,289.82	207.13
21 22 16 00-0211 EA 16 Zone Alarm/Trouble, Annunciator Control Module, ACM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417496)	1,081.23	173.54
21 22 16 00-0212 EA 16 Zone Alarm/Trouble, Annunciator Expander Module, AEM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417497)	839.36	134.75
21 22 16 00-0213 EA 32 Zone, Alarm Annunciator Expander Module, AEM-32A, Autopulse® Fire Detection And Control Equipment (Ansul 417500)	731.02	117.30
21 22 16 00-0214 EA Annunciator Lamp Driver Control Module, LDM-32, Autopulse® Fire Detection And Control Equipment (Ansul 417501)	731.02	117.30
21 22 16 00-0215 EA Annunciator Lamp Driver Expander Module, LDM-E32, Autopulse® Fire Detection And Control Equipment (Ansul 417502)	585.58	93.87
21 22 16 00-0216 EA Annunciator Lamp Driver Relay Module, LDM-R32, Autopulse® Fire Detection And Control Equipment (Ansul 417650)	1,081.23	173.54
21 22 16 00-0217 EA 24", Annunciator Lamp Driver Cable, LDM-CBL24, Autopulse® Fire Detection And Control Equipment (Ansul 417651)	219.87	35.13
21 22 16 00-0218 EA 48", Annunciator Lamp Driver Cable, LDM-CBL48, Autopulse® Fire Detection And Control Equipment (Ansul 417652)	275.68	44.16
21 22 16 00-0219 EA 8 Relay, Annunciator Control Module, ACM-8R, Autopulse® Fire Detection And Control Equipment (Ansul 417653)	552.84	88.69
21 22 16 00-0220 EA Key Switch, AKS-1 Annunciator Accessory, Autopulse® Fire Detection And Control Equipment (Ansul 417660)	93.39	14.87
21 22 16 00-0221 EA Low Profile Annunciator Chassis, CHS-4L, Autopulse® Fire Detection And Control Equipment (Ansul 418576)	127.08	20.54
21 22 16 00-0222 EA Flush, Single Annunciator Back Box, ABF-1, Autopulse® Fire Detection And Control Equipment (Ansul 417657)	219.88	35.13
21 22 16 00-0223 Autopulse IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)		
21 22 16 00-0224 EA CHS-4 Chassis, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419586)	171.20	28.60
21 22 16 00-0225 EA REL 47K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419639)	10.63	1.96
21 22 16 00-0226 EA REL 4.7K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419640)	71.64	2.38
21 22 16 00-0227 EA REL 2.2K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 407765)	11.56	2.38
21 22 16 00-0228 Autopulse IQ-396X Modules, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)		
21 22 16 00-0229 EA Indicating Circuit Expander, IQ-396X Modules, ICE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419564)	380.72	64.11
21 22 16 00-0230 EA Control Relay Expander, IQ-396X Modules, CRE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419566)	228.17	38.20
21 22 16 00-0231 Batteries And Power Supplies, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)		
21 22 16 00-0232 EA 7 Amp Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417692)	167.29	24.57
21 22 16 00-0233 EA 12 Amp Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417693)	350.01	52.03
21 22 16 00-0234 EA 18 Amp Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417694)	395.05	58.93
21 22 16 00-0235 EA 25 Amp Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417695)	515.01	71.79
21 22 16 00-0236 EA 55 Amp Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417997)	832.52	124.58
21 22 16 00-0237 EA BB-17, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 418578)	124.84	19.77
21 22 16 00-0238 EA BB-25, Grey Cabinet, Autopulse® Fire Detection And Control Equipment (Ansul 428079)	223.13	35.70
Note: Holds six XP5 modules or 25AH battery pack.		
21 22 16 00-0239 EA BB-55, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 419410)	453.86	72.76
Note: For mounting in BB-55 battery box.		
21 22 16 00-0240 EA Battery Charger, CHG-120, Autopulse® Fire Detection And Control Equipment (Ansul 426207)	1,319.53	211.93
Note: For mounting in BB-55 battery box.		
21 22 16 00-0241 EA 120 Volt AC, FCPS-24F, Red Remote Power Supply, Autopulse® Fire Detection And Control Equipment (Ansul 418563)	964.97	154.91

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 22 Clean-Agent Fire-Extinguishing Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0242			Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0243	EA		Monitor Module, Intelligent Addressable Devices, FMM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428097)	101.70	16.41
21 22 16 00-0244	EA		Mini Monitor Module, Intelligent Addressable Devices, FMM-101, Autopulse® Fire Detection And Control Equipment (Ansul 428098)	95.25	16.31
21 22 16 00-0245	EA		Isolator Module, Intelligent Addressable Devices, ISO-X, Autopulse® Fire Detection And Control Equipment (Ansul 417480)	129.42	23.42
21 22 16 00-0246	EA		2-Wire Detector Monitor Module, Intelligent Addressable Devices, FZM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428100)	191.10	30.52
21 22 16 00-0247	EA		NAC Control Module, Intelligent Addressable Devices, FCM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428101)	148.83	24.77
21 22 16 00-0248	EA		Control Relay Module, Intelligent Addressable Devices, FRM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428102)	139.94	23.80
21 22 16 00-0249	EA		Flangeless, Analog Addressable Detector Base, Intelligent Addressable Devices, B501, Autopulse® Fire Detection And Control Equipment (Ansul 417487)	22.30	3.80
21 22 16 00-0250	EA		Analog Addressable Detector Base With Isolator, Intelligent Addressable Devices, B224BI, Autopulse® Fire Detection And Control Equipment (Ansul 426125)	82.12	13.43
21 22 16 00-0251	EA		Harsh Detector, Analog Addressable Detector Base, Intelligent Addressable Devices, B710HD, Autopulse® Fire Detection And Control Equipment (Ansul 427066)	82.04	13.05
21 22 16 00-0252	EA		HPX-751 Detector Filter Cover, Intelligent Addressable Devices, FR-FTX, Autopulse® Fire Detection And Control Equipment (Ansul 427067)	30.70	10.75
21 22 16 00-0253	EA		Low Profile Trim Ring, Intelligent Addressable Devices, F110, Autopulse® Fire Detection And Control Equipment (Ansul 428138)	7.55	1.19
21 22 16 00-0254	EA		Note: Converts BX501 to low profile base. Relay Base, Intelligent Addressable Devices, B224RB, Autopulse® Fire Detection And Control Equipment (Ansul 423945)	78.98	12.57
21 22 16 00-0255	EA		EOL Power Supervision Relay, Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment (Ansul 417699)	46.27	7.41
21 22 16 00-0256	EA		XP5 Modules Cabinet, Intelligent Addressable Devices, BB-XP, Autopulse® Fire Detection And Control Equipment (Ansul 428078)	125.14	19.58
21 22 16 00-0257	EA		BB-25 Chassis, Intelligent Addressable Devices, CHS-6, Autopulse® Fire Detection And Control Equipment (Ansul 428080)	65.48	10.36
21 22 16 00-0258			Manual Pull Stations, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0259	EA		Break Rod Package For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 428661)	18.80	2.79
21 22 16 00-0260	EA		Key Pull Station For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 418336)	11.61	1.54
21 22 16 00-0261			Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0262	EA		Transmitter Module, 4XTM, Autopulse® Fire Detection And Control Equipment (Ansul 417470)	164.09	26.10
21 22 16 00-0263	EA		Note: Includes municipal box and remote station connection. Relay/Transmitter Module With 8 Form C Relay Contacts, RTM-8, Autopulse® Fire Detection And Control Equipment (Ansul 417471)	492.61	75.06
21 22 16 00-0264	EA		Universal Digital Alarm COM/XMTR Module, UDACT, Autopulse® Fire Detection And Control Equipment (Ansul 419411)	942.31	151.27
21 22 16 00-0265	EA		Ferrite Core For Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment (Ansul 419635)	25.11	3.91
21 22 16 00-0266			Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0001)</small>		
21 22 16 00-0267			Batteries And Power Supplies, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0268	EA		Transformer Only, VSP-TRAN-120, Vesda® Aspirating Smoke Detection System (Ansul 430482)	127.23	18.43
21 22 16 00-0269	EA		Battery Cabinet, VBC-001, Vesda® Aspirating Smoke Detection System (Ansul 430379)	304.25	27.78
21 22 16 00-0270	EA		120 Volt AC, Single Zone Power Supply With Housing, VPS-100US-120, Vesda® Aspirating Smoke Detection System (Ansul 430374)	708.81	107.50
21 22 16 00-0271	EA		220 Volt AC, Single Zone Power Supply With Housing, VPS-100US-220, Vesda® Aspirating Smoke Detection System (Ansul 430375)	708.81	107.50
21 22 16 00-0272	EA		120 Volt AC, Multi Zone Power Supply, VPS-300US-120, Vesda® Aspirating Smoke Detection System (Ansul 430376)	1,064.93	161.25
21 22 16 00-0273	EA		Note: Includes housing and battery cab. 220 Volt AC, Multi Zone Power Supply, VPS-300US-220, Vesda® Aspirating Smoke Detection System (Ansul 430377)	1,064.93	161.25
21 22 16 00-0274	EA		Note: Includes housing and battery cab. 48 Volt DC, Multi Zone Power Supply With Housing, VPS-400US-48, Vesda® Aspirating Smoke Detection System (Ansul 430378)	1,548.83	205.41
21 22 16 00-0275			Blank Plates, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0276	EA		Blank Plate Without VESDA Logo, VSP-300, Vesda® Aspirating Smoke Detection System (Ansul 430459)	22.85	3.45
21 22 16 00-0277	EA		Blank Plate With VESDA Logo, VSP-000, Vesda® Aspirating Smoke Detection System (Ansul 430458)	34.06	3.45
21 22 16 00-0278	EA		Blank Plate, EMC Painted Without Logo, VSP-200, Vesda® Aspirating Smoke Detection System (Ansul 430484)	49.79	6.53
21 22 16 00-0279	EA		Single Blank Plate, VRE-001, Vesda® Aspirating Smoke Detection System (Ansul 430446)	76.90	7.30
21 22 16 00-0280	EA		Double Blank Plate, VRE-002, Vesda® Aspirating Smoke Detection System (Ansul 430447)	97.93	14.59
21 22 16 00-0281	EA		Blank Plate Without FOK LED's And Logo, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430480)	179.44	18.43



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0282 Detectors, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0283 EA LaserPLUS, Detector Only, Enclosure, VLP-000, Vesda® Aspirating Smoke Detection System (Ansul 430350).....	5,373.75	902.24
Note: Includes 3 blank plates.		
21 22 16 00-0284 EA LaserPLUS Detector, VLP-012, Vesda® Aspirating Smoke Detection System (Ansul 430354).....	6,847.70	1,113.40
Note: Includes centrally mounted LCD programmer module and standard display.		
21 22 16 00-0285 EA LaserPLUS Detector, VLP-010, Vesda® Aspirating Smoke Detection System (Ansul 430356).....	6,194.30	1,017.42
Note: Includes centrally mounted LCD programmer.		
21 22 16 00-0286 EA 7-Relay Version, LaserSCANNER Detector Only, VLS-200, Vesda® Aspirating Smoke Detection System (Ansul 430357).....	8,596.87	1,343.76
21 22 16 00-0287 EA 12-Relay Version, LaserSCANNER Detector Only, VLS-300, Vesda® Aspirating Smoke Detection System (Ansul 430358).....	9,052.38	1,420.55
21 22 16 00-0288 EA 7-Relay Version, LaserSCANNER Detector Only, VLS-600, Vesda® Aspirating Smoke Detection System (Ansul 430359).....	8,692.47	1,362.96
Note: Includes 1 fire alarm (any SCT) and OK/FOK LEDs.		
21 22 16 00-0289 EA 12-Relay Version, LaserSCANNER Detector Only, VLS-700, Vesda® Aspirating Smoke Detection System (Ansul 430360).....	9,180.39	1,439.74
Note: Includes 1 fire alarm (any SCT) and OK/FOK LED.		
21 22 16 00-0290 EA 7-Relay, LaserSCANNER Detector Only, VLS-204, Vesda® Aspirating Smoke Detection System (Ansul 430361).....	9,446.48	1,497.33
Note: Includes 2 blank plates and scan display module at far right.		
21 22 16 00-0291 EA 12-Relay, LaserSCANNER Detector, VLS-304, Vesda® Aspirating Smoke Detection System (Ansul 430363).....	9,859.07	1,574.12
Note: Includes 2 blank plates and scanner display.		
21 22 16 00-0292 EA 7-Relay, LaserSCANNER Detector, VLS-214, Vesda® Aspirating Smoke Detection System (Ansul 430365).....	10,361.92	1,650.90
Note: Includes centrally mounted programmer module.		
21 22 16 00-0293 EA 12-Relay, LaserSCANNER Detector, VLS-314, Vesda® Aspirating Smoke Detection System (Ansul 430367).....	10,805.83	1,727.69
Note: Includes centrally mounted LCD programmer module and scanner display module.		
21 22 16 00-0294 EA 12-Relay, LaserSCANNER Detector, VLS-310, Vesda® Aspirating Smoke Detection System (Ansul 430369).....	10,144.00	1,574.12
Note: Includes centrally mounted LCD programmer.		
21 22 16 00-0295 Displays, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0296 EA VRT-200 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430381).....	1,620.12	211.16
Note: Includes a remote termination card and 7 relays.		
21 22 16 00-0297 EA VRT-400 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430385).....	1,627.79	211.16
Note: Includes a remote termination card and 7 relays.		
21 22 16 00-0298 EA VRT-600 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430383).....	1,467.39	191.96
Note: Includes a remote termination card without relays.		
21 22 16 00-0299 EA VRT-700 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430387).....	1,476.30	191.96
Note: Includes a remote termination card.		
21 22 16 00-0300 EA VRT-800 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430389).....	1,823.20	230.35
Note: Includes a remote termination card and 12 relays.		
21 22 16 00-0301 EA VRT-K00 Display, Compact Version Without Relays, Vesda® Aspirating Smoke Detection System (Ansul 430391).....	1,550.26	199.64
21 22 16 00-0302 EA VRT-J00 Display, Compact Version With 7 Relays, Vesda® Aspirating Smoke Detection System (Ansul 430393).....	1,698.30	224.22
21 22 16 00-0303 Intelligent Addressable Devices, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0304 EA LaserCOMPACT (VN), VESDAnet Version Plus Relay Output, VLC-505, Vesda® Aspirating Smoke Detection System (Ansul 430370).....	4,098.06	633.48
21 22 16 00-0305 EA LaserCOMPACT (RO), Relay Only Version, VLC-500, Vesda® Aspirating Smoke Detection System (Ansul 430372).....	3,371.56	506.79
21 22 16 00-0306 EA Programmer With Remote Termination Card, VRT-100, Vesda® Aspirating Smoke Detection System (Ansul 430380).....	1,195.06	191.96
21 22 16 00-0307 EA VESDAnet Socket, VRT-300, Vesda® Aspirating Smoke Detection System (Ansul 430395).....	857.19	124.78
21 22 16 00-0308 EA System Relay Module, VRT-S07, Vesda® Aspirating Smoke Detection System (Ansul 430399).....	1,192.95	168.16
21 22 16 00-0309 EA PC-Link High-Level Interface, VHX-0200, Vesda® Aspirating Smoke Detection System (Ansul 430442).....	1,447.33	207.32
Note: Interface connects PC and LaserPLUS system.		
21 22 16 00-0310 EA Modem Cable, PC-HLI To Modem Connection, VHX-00090, Vesda® Aspirating Smoke Detection System (Ansul 430443).....	224.87	31.10
21 22 16 00-0311 EA Hand-Held Programmer, VHH-1000, Vesda® Aspirating Smoke Detection System (Ansul 430444).....	1,499.96	191.96
21 22 16 00-0312 EA Programmer Module, VSP-001, Vesda® Aspirating Smoke Detection System (Ansul 430460).....	1,076.60	159.33
21 22 16 00-0313 EA VESDAnet Socket Kit, VSP-003, Vesda® Aspirating Smoke Detection System (Ansul 430463).....	845.01	122.86
21 22 16 00-0314 EA Standard Display Module, VSP-002, Vesda® Aspirating Smoke Detection System (Ansul 430461).....	1,078.27	159.33
21 22 16 00-0315 EA Scanner Display Module, VSP-004, Vesda® Aspirating Smoke Detection System (Ansul 430464).....	1,076.60	159.33
21 22 16 00-0316 EA Remote Display Module, Compact (VN), VSP-502, Vesda® Aspirating Smoke Detection System (Ansul 430487).....	1,062.68	149.73
21 22 16 00-0317 EA Filter Cartridge, VSP-005, Vesda® Aspirating Smoke Detection System (Ansul 430466).....	126.21	13.43
21 22 16 00-0318 EA Detector Chassis Assembly, VSP-006, Vesda® Aspirating Smoke Detection System (Ansul 430467).....	5,137.76	737.15
21 22 16 00-0319 EA Scanner Chassis Assembly, VSP-009, Vesda® Aspirating Smoke Detection System (Ansul 430470).....	8,953.88	1,290.01
21 22 16 00-0320 EA Aspirator For LaserPLUS And Laser Scanner, VSP-015, Vesda® Aspirating Smoke Detection System (Ansul 430475).....	698.55	95.98
21 22 16 00-0321 EA Filter Cover, VSP-019, Vesda® Aspirating Smoke Detection System (Ansul 430477).....	15.83	1.92
21 22 16 00-0322 EA Cover Screws, 17606, Vesda® Aspirating Smoke Detection System (Ansul 430478).....	8.76	0.38
21 22 16 00-0323 EA US Power Supply Circuit Board Only, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430481).....	385.49	55.67
21 22 16 00-0324 EA Relay Processor Module (DRP), VSP-102, Vesda® Aspirating Smoke Detection System (Ansul 430483).....	467.06	67.57
21 22 16 00-0325 EA Aspirator, LaserCOMPACT, VSP-501, Vesda® Aspirating Smoke Detection System (Ansul 430486).....	674.32	97.90
21 22 16 00-0326 EA RO-Cable For LaserCOMPACT Relay Only, (RO) Version, VSP-509, Vesda® Aspirating Smoke Detection System (Ansul 430488).....	99.39	14.59
21 22 16 00-0327 EA Miniature Sampling Point, E700-SP, Vesda® Aspirating Smoke Detection System (Ansul 430502).....	15.71	3.07
21 22 16 00-0328 Labels And Decals, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0329 EA Sampling Point Labels, Roll Of 35, E700-SP-DCL-PIPE, Vesda® Aspirating Smoke Detection System (Ansul 430509).....	14.16	2.30

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 22 Clean-Agent Fire-Extinguishing Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0330 EA Round Point Label, Roll Of 50, E700-SP-DCL-PNT, Vesda® Aspirating Smoke Detection System (Ansul 430505).....	14.93	2.69
21 22 16 00-0331 EA Red, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLR, Vesda® Aspirating Smoke Detection System (Ansul 430506)	22.85	3.45
21 22 16 00-0332 EA Grey, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLG, Vesda® Aspirating Smoke Detection System (Ansul 430507)	22.88	3.45
21 22 16 00-0333 EA Sampling Point Decal, Wrap-Around Style, Roll Of 200, E700-SP-DCL, Vesda® Aspirating Smoke Detection System (Ansul 430508)	83.10	13.05
21 22 16 00-0334 Mounting Hardware, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)		
21 22 16 00-0335 EA Remote Mounting Single Box With Escutcheon Only, VKT-000, Vesda® Aspirating Smoke Detection System (Ansul 430456)	204.10	27.64
21 22 16 00-0336 EA Recessed Mounting Kit For Remote Single Boxes, VSP-012, Vesda® Aspirating Smoke Detection System (Ansul 430472)	274.91	36.86
21 22 16 00-0337 EA Recessed Mounting Kit For VLP Or VLS Detector, VSP-011, Vesda® Aspirating Smoke Detection System (Ansul 430471)	281.88	40.31
21 22 16 00-0338 EA Remote 19 Sub Rack With 4 Blank Plates, VSR-0000, Vesda® Aspirating Smoke Detection System (Ansul 430457)	675.80	57.59
21 22 16 00-0339 EA Sub Rack Enclosure, VRE-100, Vesda® Aspirating Smoke Detection System (Ansul 430445)	1,004.82	126.69
21 22 16 00-0340 Pipe And Fittings, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)		
21 22 16 00-0341 LF 3/4", Orange Chlorinated Polyvinyl Chloride (CPVC) Pipe, Vesda® Aspirating Smoke Detection System (Ansul 430491)	4.04	1.21
21 22 16 00-0342 EA 3/4", End Cap, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430497)	6.89	2.41
21 22 16 00-0343 EA 3/4", 45 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430494)	18.92	7.23
21 22 16 00-0344 EA 3/4", 90 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430493)	19.55	7.23
21 22 16 00-0345 EA 3/4", Coupling, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430495)	13.47	4.82
21 22 16 00-0346 EA 3/4", Union, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430496)	21.73	7.23
21 22 16 00-0347 EA 3/4", Tee, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430498)	29.07	10.84
21 22 16 00-0348 EA 3/4" x 1/2" FPT, Tee, Chlorinated Polyvinyl Chloride (CPVC), Vesda® Aspirating Smoke Detection System (Ansul 430499)	36.38	12.72
21 22 16 00-0349 LF 1/2" OD x 3/8" ID, Black Polyethylene Tubing, Vesda® Aspirating Smoke Detection System (Ansul 430500).....	3.92	1.39
21 22 16 00-0350 EA Pipe Adapters, Metric-To-Imperial, VSP-021, Vesda® Aspirating Smoke Detection System (Ansul 430479)	15.29	4.23
21 22 16 00-0351 EA Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Plastic, E700-CAP KIT, Vesda® Aspirating Smoke Detection System (Ansul 430503)	18.16	3.07
21 22 16 00-0352 EA Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Brass, Vesda® Aspirating Smoke Detection System (Ansul 430504)	25.99	4.23
21 22 16 00-0353 Remote Termination And Relay Cards, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)		
21 22 16 00-0354 EA VRT-500, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430396)	1,175.29	147.42
Note: Remote box includes 7 relays for VLP/VLC.		
21 22 16 00-0355 EA VN, Compact Termination Card, VSP-515, Vesda® Aspirating Smoke Detection System (Ansul 430490).....	1,202.85	169.69
21 22 16 00-0356 EA 12-Relay, Remote Termination Card, VSP-208, Vesda® Aspirating Smoke Detection System (Ansul 430485)	728.30	103.66
21 22 16 00-0357 EA RO, Compact Termination Card, VSP-510, Vesda® Aspirating Smoke Detection System (Ansul 430489)	831.85	117.09
21 22 16 00-0358 EA VRT-501, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430397)	1,175.29	147.42
Note: Remote box includes 7 relays for VLS.		
21 22 16 00-0359 EA VRT-900 Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430398)	1,416.22	169.69
Note: Remote box includes 12 relays for VLS.		
21 22 16 00-0360 EA Remote Termination Card Without Relay, VSP-007, Vesda® Aspirating Smoke Detection System (Ansul 430468)	402.76	52.22
21 22 16 00-0361 EA Remote Termination Card (RTC7), VSP-008, Vesda® Aspirating Smoke Detection System (Ansul 430469).....	606.11	79.86
21 22 16 00-0362 EA 7-Relay, Head Termination Card, VSP-014, Vesda® Aspirating Smoke Detection System (Ansul 430474)	1,145.20	165.10
21 22 16 00-0363 EA 12-Relay, Head Termination Card, VSP-016, Vesda® Aspirating Smoke Detection System (Ansul 430476)	1,679.97	241.88
21 22 16 00-0364 Preferred® Low Pressure CO2 System (21 22 16 00-0001)		
21 22 16 00-0365 Manual Pull Stations, Preferred® Low Pressure CO2 System (21 22 16 00-0364)		
21 22 16 00-0366 EA Addressable, DPST, Dual Action Pull Station, Preferred® Low Pressure CO2 System (Ansul 428658)	90.79	13.43
Note: Excludes FMM-101.		
21 22 16 00-0367 EA Weatherproof Backbox For Manual Pull Stations, Preferred® Low Pressure CO2 System (Ansul 428659).....	67.90	9.98
21 22 16 00-0368 Industrial Fire Control System (21 22 16 00-0001)		
21 22 16 00-0369 Alarm Devices, Industrial Fire Control System (21 22 16 00-0368)		
21 22 16 00-0370 EA Explosion Proof Alarm Horn, Alarm Devices, Industrial Fire Control System (Ansul 65947)	2,204.62	354.18
21 22 16 00-0371 EA 6", 115 Volt AC Alarm Bell For Release Systems, Alarm Devices, Industrial Fire Control System (Ansul 24751).....	66.76	8.14
21 22 16 00-0372 EA 24 Volt AC, Multitone Horn, Alarm Devices, Industrial Fire Control System (Ansul 429697)	66.56	10.56
21 22 16 00-0373 EA Weatherproof Surface Back Box For Horn And Strobe, Alarm Devices, Industrial Fire Control System (Ansul 429700)	39.66	6.34



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0374 EA Semi-Flush Plate, Alarm Devices, Industrial Fire Control System (Ansul 429701).....	16.20	2.58
21 22 16 00-0375 Manual Pull Stations, Industrial Fire Control System (21 22 16 00-0368)		
21 22 16 00-0376 EA SPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428655).....	75.03	11.13
21 22 16 00-0377 EA DPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428656).....	105.79	15.74
21 22 16 00-0378 EA Explosion Proof, DPDT, Dual Action Pull Station, Industrial Fire Control System (Ansul 428657)	826.14	123.63
21 22 16 00-0379 EA Surface Mounted Backbox For Manual Pull Stations, Industrial Fire Control System (Ansul 428660).....	24.01	3.57
21 22 16 00-0380 EA Extra Pull Station Labels For Manual Pull Stations, Industrial Fire Control System (Ansul 428654).....	10.77	1.59
21 22 16 00-0381 Marine Fire Control System (21 22 16 00-0001)		
21 22 16 00-0382 Alarm Devices, Marine Fire Control System (21 22 16 00-0381)		
21 22 16 00-0383 EA Weatherproof Surface Mount Back Box For Alarm Accessories, Alarm Devices, Marine Fire Control System (Ansul 24747)	43.51	6.45
21 22 16 00-0384 EA 6", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417805)	80.33	12.48
21 22 16 00-0385 EA 10", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417806)	80.33	12.48
21 22 16 00-0386 FM200 System Equipment (21 22 16)		
21 22 16 00-0387 EA 26 LB Cylinder, Filled, For FM200 Fire Protection system.....	2,052.94	92.61
21 22 16 00-0388 EA 44 LB Cylinder, Filled, For FM200 Fire Protection system.....	2,928.74	106.03
21 22 16 00-0389 EA 63 LB Cylinder, Filled, For FM200 Fire Protection system.....	3,476.09	125.02
21 22 16 00-0390 EA 101 LB Cylinder, Filled, For FM200 Fire Protection system.....	4,597.76	148.17
21 22 16 00-0391 EA 196 LB Cylinder, Filled, For FM200 Fire Protection system.....	7,162.16	185.21
21 22 16 00-0392 EA Electro/Mechanical Release, For FM200 Fire Protection system	540.22	185.21
21 22 16 00-0393 EA Manual Pull Station, For FM200 Fire Protection system	186.82	61.59
21 22 16 00-0394 EA Pneumatic Damper Release, For FM200 Fire Protection system	212.88	46.30
21 22 16 00-0395 LB FM200 Gas	16.38	
21 22 16 00-0396 EA Master Cylinder, For FM200 Fire Protection system.....	3,296.17	49.82
21 22 16 00-0397 EA Shuttle Check Valve, For FM200 Fire Protection system	506.61	69.64
21 22 16 00-0398 EA Flex Head Cylinder, For FM200 Fire Protection system	507.69	74.64
21 22 16 00-0399 EA Nozzles, For FM200 Fire Protection system.....	130.62	26.40
21 22 16 00-0400 EA Cylinder Support, For FM200 Fire Protection system.....	163.07	49.82
21 22 16 00-0401 EA Solenoid Valve, For FM200 Fire Protection system.....	646.03	74.64
21 22 16 00-0402 EA Battery Back-Up, For FM200 Fire Protection system.....	561.56	196.88
21 22 16 00-0403 EA Control Panel, Single Zone, For FM200 Fire Protection system	2,579.11	369.88
21 22 16 00-0404 EA Control Panel, Multi Zone, For FM200 Fire Protection system	4,254.54	740.58
21 22 16 00-0405 EA Smoke Or Heat Detector, For FM200 Fire Protection system.....	231.22	74.64
21 22 16 00-0406 EA Annunciator, For FM200 Fire Protection system.....	2,078.43	280.33
21 22 16 00-0407 EA Pressure Switch, For FM200 Fire Protection system.....	247.53	74.64
21 22 16 00-0408 EA Alarm Horn, For FM200 Fire Protection system.....	229.64	74.64
21 22 16 00-0409 EA Testing, For FM200 Fire Protection system.....	977.52	
21 22 16 00-0410 EA Abort Switch, For FM200 Fire Protection system.....	149.73	34.73
21 23 Wet-Chemical Fire-Extinguishing Systems (21 20)		
21 23 16 Wet-Chemical Fire-Extinguishing Equipment (21 23)		
21 23 16 00-0001 Kidde Fire Systems (21 23 16)		
Note: Kidde or equal.		
21 23 16 00-0002 Cylinders And Hardware (21 23 16 00-0001)		
21 23 16 00-0003 EA 125 Cylinder And Valve Assembly With 1.25 Gallon Of Wet Agent.....	585.27	79.17
21 23 16 00-0004 EA 260 Cylinder And Valve Assembly With 2.6 Gallon Of Wet Agent	677.12	98.60
21 23 16 00-0005 EA 400S And M Cylinder And Valve Assembly With 4 Gallon Of Wet Agent	830.27	121.65
21 23 16 00-0006 EA 600 And L Cylinder And Valve Assembly With 6 Gallon Of Wet Agent.....	980.84	144.34
21 23 16 00-0007 EA Discharge Adapter Kit (One Required Per Cylinder).....	32.63	4.14
21 23 16 00-0008 EA System Valve Actuator	118.17	16.45
21 23 16 00-0009 EA Vent Plug.....	22.31	3.34
21 23 16 00-0010 EA Gauge Shield.....	57.57	8.79
21 23 16 00-0011 EA 125 Cylinder Wall Mounting Bracket.....	61.10	8.79
21 23 16 00-0012 EA 260 Cylinder Wall Mounting Bracket.....	64.75	9.33
21 23 16 00-0013 EA 400S And M Cylinder Wall Mounting Bracket	123.01	17.59
21 23 16 00-0014 EA 600 And 400M Cylinder Shelf Bracket.....	122.53	19.96
21 23 16 00-0015 EA 600 And 400M Cylinder Floor Mounting Kit	166.80	20.01
21 23 16 00-0016 EA 125 And 260 Cylinder Replacement Bracket Strap.....	23.64	
21 23 16 00-0017 EA 400 And 600 Cylinder Replacement Bracket Strap.....	24.78	
21 23 16 00-0018 Nozzles And Accessories (21 23 16 00-0001)		
21 23 16 00-0019 EA ADP, F, GRW Or R Nozzle	54.88	8.09
21 23 16 00-0020 EA LPF Or DM Nozzle.....	59.23	8.09
21 23 16 00-0021 EA LPR Nozzle.....	68.18	8.09
21 23 16 00-0022 EA 3/8" Swivel Adapter For Nozzles.....	40.97	5.72
21 23 16 00-0023 EA Replacement Nozzle Seals.....	6.48	
21 23 16 00-0024 EA Chrome Nozzle Disc Cap.....	3.98	0.52
21 23 16 00-0025 EA LPR Nozzle Disc Cap	25.24	8.05

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 23 Wet-Chemical Fire-Extinguishing Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0026			Control Systems <small>(21 23 16 00-0001)</small>		
21 23 16 00-0027	EA		XV Control System.....	689.21	52.77
			Note: Includes (1) SVA, (1) system cartridge, (1) test cartridge, (1) EMT connector kit, (1) SPDT microswitch kit, and (1) SPDT microswitch kit.		
21 23 16 00-0028	EA		7-1/2" High Pressure Hose (Required for cylinder mounted XV Control System).....	60.99	8.79
21 23 16 00-0029	EA		24" High Pressure Hose.....	71.27	8.79
21 23 16 00-0030	EA		60" High Pressure Hose.....	94.12	8.79
21 23 16 00-0031	EA		XV Solenoid Kit (Electric Actuator), 24 VDC.....	139.13	17.59
21 23 16 00-0032	EA		XV Microswitch Kit, SPDT.....	47.37	8.27
21 23 16 00-0033	EA		XV Microswitch Kit, SPDT, Terminal Type, For Alarm/Release.....	50.80	8.27
21 23 16 00-0034	EA		EMT Connector Kit (EMT Connector & O-Ring).....	22.33	6.60
21 23 16 00-0035	EA		KRS-50 Control Box Assembly.....	390.27	34.08
			Note: Includes (1) SVA, (2) CO2 cartridges, (2) set screws, (1) grommet, (1) cover label, and (1) exhaust fan caution label.		
21 23 16 00-0036	EA		SPDT Microswitch For KRS-50.....	57.39	8.27
21 23 16 00-0037	EA		DPDT Microswitch For KRS-50.....	103.48	14.34
21 23 16 00-0038	EA		SPDT Pressure Switch (Fire Department Tie-In).....	318.88	46.00
21 23 16 00-0039			Mechanical Actuation Components <small>(21 23 16 00-0001)</small>		
21 23 16 00-0040	EA		Universal Detector Link Housing Kit, Mechanical Actuation Systems.....	41.17	13.19
			Note: Includes (1) bracket (11-3/4"), (2) "S" hook, and (2) cable crimp sleeves.		
21 23 16 00-0041	EA		XV Low Profile Link Detector Housing Kit.....	56.09	13.19
			Note: Includes (1) bracket, (2) 1/2" EMT connectors, (4) cable crimp sleeves, and (1) S hook.		
21 23 16 00-0042	EA		XV Or KRS-50 Remote Manual Release, Combination Pull-To-Trip/Release-To-Trip.....	136.38	8.79
21 23 16 00-0043	EA		XV Remote Manual Release, Pull-To-Trip.....	105.54	8.79
21 23 16 00-0044	EA		Corner Pulley, Mechanical Actuation Systems.....	16.05	2.37
21 23 16 00-0045	EA		Double Tee Pulley, Mechanical Actuation Systems.....	210.70	14.51
21 23 16 00-0046	EA		In-Line Tee Pulley, Mechanical Actuation Systems.....	26.81	3.87
21 23 16 00-0047	EA		Corner Pulley / Quik-Seal Adapter Combination.....	55.62	4.40
21 23 16 00-0048	LF		1/16" Cable, Mechanical Actuation Systems.....	2.03	0.88
21 23 16 00-0049	EA		Cable Clamp.....	7.73	0.44
21 23 16 00-0050	EA		Cable Crimp Sleeve, Mechanical Actuation Systems.....	1.18	0.35
21 23 16 00-0051	EA		"S" Hook, Mechanical Actuation Systems.....	1.15	0.35
21 23 16 00-0052	EA		1/2" EMT x 3/8" NPT Adapter, Mechanical Actuation Systems.....	57.19	8.18
21 23 16 00-0053			Mechanical Detection Links <small>(21 23 16 00-0001)</small>		
21 23 16 00-0054	EA		KGS Standard Response Link.....	13.83	4.40
21 23 16 00-0055	EA		KGS Rapid Response Link.....	18.88	4.40
21 23 16 00-0056	EA		KFA Type "A" Fusible Link.....	16.62	4.40
21 23 16 00-0057	EA		KML Type "ML" Fusible Link.....	16.79	4.40
21 23 16 00-0058	EA		500 Degree, KML Type "ML" Fusible Link.....	23.64	4.40
21 23 16 00-0059			Gas Valves <small>(21 23 16 00-0001)</small>		
21 23 16 00-0060	EA		3/4" NPT Mechanical Cable Operated Gas Shut-off Valve.....	247.52	19.00
21 23 16 00-0061	EA		1" NPT Mechanical Cable Operated Gas Shut-off Valve.....	271.14	23.39
21 23 16 00-0062	EA		1-1/4" NPT Mechanical Cable Operated Gas Shut-off Valve.....	313.06	29.55
21 23 16 00-0063	EA		1-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve.....	344.51	34.04
21 23 16 00-0064	EA		2" NPT Mechanical Cable Operated Gas Shut-off Valve.....	374.26	40.20
21 23 16 00-0065	EA		2-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve.....	615.68	58.75
21 23 16 00-0066	EA		3" NPT Mechanical Cable Operated Gas Shut-off Valve.....	689.02	67.99
21 23 16 00-0067	EA		Pneumatic Release (Single Unit).....	281.08	21.46
21 23 16 00-0068	EA		Replacement Cable Block And Set Screw Assembly For Gas Valve.....	33.92	4.40
21 23 16 00-0069	EA		1/2" Electric Solenoid Gas Shut-off Valve.....	257.05	17.68
21 23 16 00-0070	EA		3/4" Electric Solenoid Gas Shut-off Valve.....	259.69	19.00
21 23 16 00-0071	EA		1" Electric Solenoid Gas Shut-off Valve.....	397.22	23.39
21 23 16 00-0072	EA		1-1/4" Electric Solenoid Gas Shut-off Valve.....	423.49	29.55
21 23 16 00-0073	EA		1-1/2" Electric Solenoid Gas Shut-off Valve.....	486.24	34.04
21 23 16 00-0074	EA		2" Electric Solenoid Gas Shut-off Valve.....	622.94	40.20
21 23 16 00-0075	EA		2-1/2" Electric Solenoid Gas Shut-off Valve.....	1,025.22	58.75
21 23 16 00-0076	EA		3" Electric Solenoid Gas Shut-off Valve.....	1,284.63	67.99
21 23 16 00-0077	EA		Manual Reset Relay.....	389.85	88.39
21 23 16 00-0078			Liquid Tight Sealing Adapters <small>(21 23 16 00-0001)</small>		
21 23 16 00-0079	EA		Compression Seal Adapter - 3/8" Tubing.....	29.12	3.69
21 23 16 00-0080	EA		Compression Seal Adapter - 1/2" Tubing / 1/4" Pipe.....	28.90	4.04
21 23 16 00-0081	EA		Compression Seal Adapter - 5/8" Tubing / 3/8" Pipe.....	34.00	4.84
21 23 16 00-0082	EA		Compression Seal Adapter - 3/4" Tubing / 1/2" Pipe.....	38.99	5.19
21 23 16 00-0083	EA		Compression Seal Adapter - 1/2" Electrical Metallic Tubing (EMT).....	34.00	4.84
21 23 16 00-0084	EA		Quik-Seal Adapter - 3/8" NPT Female.....	28.90	4.04
21 23 16 00-0085	EA		Quik-Seal Adapter - 1/2" NPT Female.....	28.90	4.04
21 23 16 00-0086	EA		Quik-Seal Adapter - 3/4" NPT Female.....	47.60	6.86
21 23 16 00-0087	EA		Quik-Seal Adapter - 1" NPT Female.....	63.35	9.06
21 23 16 00-0088	EA		Quik-Patch For Hole Patching Up To 1-1/8" Diameter.....	28.90	
21 23 16 00-0089			Pressure Operated Releasing Systems <small>(21 23 16 00-0001)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0090 EA KRS-100 Nitrogen Cylinder.....	208.74	26.56
21 23 16 00-0091 EA KRS-100 Actuator Assembly	188.93	27.09
21 23 16 00-0092 EA KRS-100 Mounting Bracket	140.24	6.68
21 23 16 00-0093 EA KRS-700S Nitrogen Cylinder	541.85	76.61
21 23 16 00-0094 EA KRS-700 Mounting Bracket	115.39	16.36
21 23 16 00-0095 EA KRS-700S Discharge Adapter Kit	170.02	16.36
21 23 16 00-0096 EA Check Valve, Pressure Operated Releasing Systems	165.79	11.61
21 23 16 00-0097 EA Vent Check, Pressure Operated Releasing Systems	53.11	7.39
21 23 16 00-0098 EA Replacement Receiver Gasket For KRS-100 Actuator Assembly.....	6.94	
21 23 16 00-0099 EA 3 Pole, Double Throw Pressure Switch	434.42	61.57
21 23 16 00-0100 Pyro-Chem Kitchen Fire Suppression Systems (21 23 16)		
21 23 16 00-0101 Cylinders, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0102 EA 3.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551194).....	561.07	62.45
21 23 16 00-0103 EA 4.6 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551193).....	808.22	89.98
21 23 16 00-0104 EA 6.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551196).....	1,063.73	123.06
21 23 16 00-0105 EA Cylinder Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550053).....	115.89	14.69
21 23 16 00-0106 EA Enclosure With Mechanical Control Unit, Kitchen Fire Suppression Systems (Pyro-Chem 551208).....	762.72	96.05
21 23 16 00-0107 EA Enclosure For Secondary Cylinders, Kitchen Fire Suppression Systems (Pyro-Chem 550966).....	465.69	58.58
21 23 16 00-0108 Fusible Links, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0109 EA 165 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551522).....	15.04	1.93
21 23 16 00-0110 EA 212 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551523).....	15.04	1.93
21 23 16 00-0111 EA 280 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551524).....	15.38	1.93
21 23 16 00-0112 EA 360 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551525).....	15.04	1.93
21 23 16 00-0113 EA 450 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551526).....	15.04	1.93
21 23 16 00-0114 EA 500 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551527).....	16.28	1.93
21 23 16 00-0115 EA Fusible Link Kit With 10" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550131).....	26.05	3.25
21 23 16 00-0116 EA Fusible Link Kit With 8" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550132).....	33.83	4.31
21 23 16 00-0117 EA Fusible Link Hanger, Kitchen Fire Suppression Systems (Pyro-Chem 550876).....	49.74	22.26
21 23 16 00-0118 EA 225 To 600 Fahrenheit, Electrical Thermal Detector, Kitchen Fire Suppression Systems (Pyro-Chem 13970-6).....	329.53	49.52
21 23 16 00-0119 Gas Valves, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0120 EA 3/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550593).....	264.28	19.00
21 23 16 00-0121 EA 1" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550594).....	301.91	23.39
21 23 16 00-0122 EA 1-1/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550595).....	327.98	29.55
21 23 16 00-0123 EA 1-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550596).....	361.49	33.95
21 23 16 00-0124 EA 2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 551049).....	416.36	40.11
21 23 16 00-0125 EA 2-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550185).....	952.77	58.67
21 23 16 00-0126 EA 3" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550186).....	1,019.29	67.91
21 23 16 00-0127 EA 3/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550358).....	209.39	19.00
21 23 16 00-0128 EA 1" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550359).....	352.68	23.39
21 23 16 00-0129 EA 1-1/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550360).....	370.50	29.55
21 23 16 00-0130 EA 1-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550361).....	421.85	33.95
21 23 16 00-0131 EA 2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550362).....	580.99	40.11
21 23 16 00-0132 EA 2-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550363).....	1,114.65	58.67
21 23 16 00-0133 EA 3" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 17643).....	1,178.44	67.91
21 23 16 00-0134 Nozzles, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0135 EA Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem).....	53.79	6.51
21 23 16 00-0136 EA Swivel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem).....	75.90	8.27
21 23 16 00-0137 EA Stainless Steel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem).....	281.62	8.27
21 23 16 00-0138 Actuating Cylinders/Cartridges, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0139 EA Carbon Dioxide Actuation Cartridge, Kitchen Fire Suppression Systems (Pyro-Chem 551059).....	19.91	2.56
21 23 16 00-0140 EA PAC-10, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550104).....	652.28	82.59
21 23 16 00-0141 EA PAC-200, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550690).....	831.34	105.64
21 23 16 00-0142 Circuit Monitors, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0143 EA 24 Volt DC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550303).....	426.42	54.09
21 23 16 00-0144 EA 120 Volt AC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550302).....	514.50	65.18
21 23 16 00-0145 Control Heads, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0146 EA Mechanical Control Head, No Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551203).....	470.46	59.64
21 23 16 00-0147 EA Mechanical Control Head With Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551200).....	491.11	62.36
21 23 16 00-0148 EA 24 Volt DC, Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551201).....	639.62	81.10
21 23 16 00-0149 EA 120 Volt AC Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551202).....	733.85	93.23
21 23 16 00-0150 EA Control Head Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550853).....	59.61	7.57

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 23 Wet-Chemical Fire-Extinguishing Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0151			Corner Pulleys/Tees, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0152	EA		Set Screw Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 415670)	14.60	1.23
21 23 16 00-0153	EA		Compression Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 423250)	15.15	1.58
21 23 16 00-0154	EA		Tee Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550166)	47.78	6.07
21 23 16 00-0155	EA		Replacement Screw For Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550272)	0.63	
21 23 16 00-0156			Switches, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0157	EA		SPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550227)	51.96	6.60
21 23 16 00-0158	EA		DPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550237)	104.07	13.11
21 23 16 00-0159	EA		Four Pole Double Throw Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550978)	220.23	27.79
21 23 16 00-0160			Wire Rope/Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0161	LF		1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 15821)	1.11	0.26
21 23 16 00-0162	EA		Crimps For 1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 550122)	0.71	0.26
21 23 16 00-0163	EA		High Temperature Stainless Steel Crimps, Kitchen Fire Suppression Systems (Pyro-Chem 551551)	2.57	0.35
21 23 16 00-0164	EA		"S" Hooks, Kitchen Fire Suppression Systems (Pyro-Chem 550121)	0.48	
21 23 16 00-0165			Replacement Parts, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0166	EA		Wet Valve Rebuilding Kit, Kitchen Fire Suppression Systems (Pyro-Chem 550698)	49.41	6.33
21 23 16 00-0167	EA		Wet Valve Cap With Schrader Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550831)	51.56	6.60
21 23 16 00-0168	EA		Wet Spring, Kitchen Fire Suppression Systems (Pyro-Chem 550705)	6.04	0.79
21 23 16 00-0169	EA		225 psi, Wet Gage, Kitchen Fire Suppression Systems (Pyro-Chem 551236)	70.70	8.62
21 23 16 00-0170	EA		Wet Valve O-ring, Kitchen Fire Suppression Systems (Pyro-Chem 550716)	9.94	1.23
21 23 16 00-0171	EA		Wet Piston, Kitchen Fire Suppression Systems (Pyro-Chem 550707)	13.84	1.76
21 23 16 00-0172	EA		Wet Piston O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 550715)	6.04	0.79
21 23 16 00-0173	EA		Wet Nozzle Cap, Kitchen Fire Suppression Systems (Pyro-Chem 551528)	8.51	1.06
21 23 16 00-0174	EA		Wet Nozzle Strainer, Kitchen Fire Suppression Systems (Pyro-Chem 551529)	8.32	1.06
21 23 16 00-0175	EA		Wet Nozzle Cap O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 551530)	2.37	0.26
21 23 16 00-0176	EA		Replacement Teflon Washer For Control Head Actuator, Kitchen Fire Suppression Systems (Pyro-Chem 550257)	4.02	
21 23 16 00-0177	EA		O-Ring Lubrication, Kitchen Fire Suppression Systems (Pyro-Chem 550063)	77.05	
21 23 16 00-0178	EA		3.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 551024)	520.48	
21 23 16 00-0179	EA		4.6 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550902)	677.81	
21 23 16 00-0180	EA		6.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550901)	783.95	
21 23 16 00-0181			Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0182	EA		3/8" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550857)	24.17	2.99
21 23 16 00-0183	EA		1/2" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550859)	25.04	3.17
21 23 16 00-0184	EA		Wet Valve Tool, Kitchen Fire Suppression Systems (Pyro-Chem 550788)	48.20	6.07
21 23 16 00-0185	EA		Recharge Adapter Kit, Kitchen Fire Suppression Systems (Pyro-Chem 551240)	68.23	
21 23 16 00-0186	EA		3.0 Gallon Of Wet Chemical For Recharge, Kitchen Fire Suppression Systems (Pyro-Chem 551188)	146.64	
21 23 16 00-0187			Pull Stations/Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0188	EA		Mechanical, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551074)	97.46	12.41
21 23 16 00-0189	EA		Electric, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551166)	106.20	17.42
21 23 16 00-0190	EA		Trim Ring For Flush Mounting Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 550088)	26.05	3.25
21 23 16 00-0191	EA		Glass Rods For Pull Stations, Kitchen Fire Suppression Systems (Pyro-Chem 428661)	3.80	1.15
21 23 16 00-0192			Asco Gas Valve Control Panels (21 23 16)		
21 23 16 00-0193	EA		Relay Control Panel For AC Solenoid Valves (Asco 108D90C)	1,516.90	193.51
21 23 16 00-0194	EA		Relay Control Panel For DC Solenoid Valves (Asco 108D10C)	1,563.81	193.51
21 23 16 00-0195	EA		Master Control Station For Relay Control Panel For DC Solenoid Valves (Asco 216C89)	498.28	43.98
21 23 16 00-0196	EA		Emergency Stop Station For Relay Control Panel (Asco 173A19)	467.64	43.98
21 24			Dry-Chemical Fire-Extinguishing Systems (21 20)		
21 24 16			Dry-Chemical Fire-Extinguishing Equipment (21 24)		
21 24 16 00-0001			Amerex KP Restaurant Fire Suppression Systems (21 24 16)		
			Note: Amerex or equal.		
21 24 16 00-0002	EA		Agent Cylinder Assembly 3.75 Gallon (With Discharge Valve) Charged	377.29	68.26
21 24 16 00-0003	EA		Agent Cylinder Assembly 6 Gallon (With Discharge Valve) Charged	519.92	86.09
21 24 16 00-0004	EA		Recharge - KP Liquid Agent (3.75 Gallon)	123.47	
21 24 16 00-0005	EA		Recharge - KP Liquid Agent (6 Gallon)	217.06	
21 24 16 00-0006	EA		Bracket Assembly Agent Cylinder 3.75 Gallon (With Distribution Hose Assembly And Distribution Outlet)	86.43	14.33
21 24 16 00-0007	EA		Bracket Assembly Agent Cylinder 6 Gallon	50.35	8.32
21 24 16 00-0008	EA		Discharge Adapter Kit 3/4 NPT - Agent Cylinder 6 Gallon	21.84	
21 24 16 00-0009	EA		Pneumatic Actuator - Agent Cylinder 6 Gallon	86.43	14.33
21 24 16 00-0010	EA		Actuator - MRM (Less N2 Cylinder And Enclosure)	217.06	35.93
21 24 16 00-0011	EA		Enclosure - MRM, Painted Steel	115.69	19.11
21 24 16 00-0012	EA		Enclosure - MRM, Stainless Steel	138.29	19.11
21 24 16 00-0013	EA		Cabinet, Stainless Steel (Single Cylinder System)	344.45	57.05



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0014 EA Actuation Hose - (N2 - 1/4" x 16").....	26.00	4.30
21 24 16 00-0015 EA Cylinder, Nitrogen - 10 CU. In. (Use For 1-10 Agent Cylinders)	115.69	19.11
21 24 16 00-0016 EA Vent Check.....	20.80	3.44
21 24 16 00-0017 EA Detector.....	15.59	2.58
Note: Includes bracket, linkage and conduit fittings.		
21 24 16 00-0018 EA Fusible Link - 280 To 450 Degree F	5.85	0.96
21 24 16 00-0019 EA Test Link.....	2.33	
21 24 16 00-0020 EA Corner Pulley.....	8.06	1.34
21 24 16 00-0021 EA Cable, 1/16" - 500 Foot Spool.....	129.97	21.50
21 24 16 00-0022 EA Pulley Tee.....	58.49	9.66
21 24 16 00-0023 EA Manual Pull Station (Standard)	51.99	8.60
21 24 16 00-0024 EA Adapter Kit - Manual Pull Station (Recess Standard Pull Station)	24.39	4.01
21 24 16 00-0025 EA Manual Pull Station (Oversized)	57.97	9.55
21 24 16 00-0026 EA Conduit Offset.....	11.57	1.91
21 24 16 00-0027 EA Seal - 3/8" Pipe Thread (Quick-Seal).....	15.94	2.68
21 24 16 00-0028 EA Seal - 1/2" Pipe Thread (Quick-Seal).....	13.00	2.20
21 24 16 00-0029 EA 3/8" Pipe Compression Seal.....	21.70	3.63
21 24 16 00-0030 EA 1/2" Pipe Compression Seal.....	21.70	3.63
21 24 16 00-0031 EA Cap, Nozzle Blow-Off (Standard).....	7.12	2.48
21 24 16 00-0032 EA Cap, Nozzle Blow-Off (High Temperature)	14.51	2.48
21 24 16 00-0033 EA Nozzle - Fryer, Griddle - 2 Flow Points Each.....	25.99	4.30
21 24 16 00-0034 EA Nozzle - Appliance, Plenum - 1 Flow Points Each.....	25.99	4.30
21 24 16 00-0035 EA Nozzle - Solid Fuel Charbroiler - 1 To 1-1/2 Flow Points Each.....	25.99	4.30
21 24 16 00-0036 EA Nozzle - Upright Charbroiler - 1/2 Flow Points Each.....	25.99	4.30
21 24 16 00-0037 EA Nozzle - Duct (Only) - 2 Flow Points Each.....	25.99	4.30
21 24 16 00-0038 EA Nozzle - Four Burner Range - 2 Flow Points Each	37.39	6.22
21 24 16 00-0039 EA Gas Valve - Mechanical - 3/4" Or 1"	201.06	25.33
21 24 16 00-0040 EA Gas Valve - Mechanical - 1-1/4" Or 1-1/2".....	241.39	36.79
21 24 16 00-0041 EA Gas Valve - Mechanical - 2"	239.12	43.48
21 24 16 00-0042 EA Manual Reset Relay (Required With Every Electric Gas Valve)	327.53	54.18
21 24 16 00-0043 EA SPDT Microswitch With 18" Leads	17.24	2.87
21 24 16 00-0044 EA Kit Gas Valve Actuator For Use With ASCO Mechanical Gas Valve	27.81	4.59
21 24 16 00-0045 EA Gas Valve Trip Assembly.....	58.49	9.66

21 24 16 00-0046

Range Guard Fire Suppression Systems (21 24 16)

Note: Range Guard or equal.

21 24 16 00-0047 EA 1-1/4 Gallon Charged Cylinder With Valve	401.44	73.79
21 24 16 00-0048 EA 2-1/2 Gallon Charged Cylinder With Valve	501.11	92.10
21 24 16 00-0049 EA 4 Gallon Charged Cylinder With Valve	618.66	113.73
21 24 16 00-0050 EA 6 Gallon Charged Cylinder With Valve	734.82	135.02
21 24 16 00-0051 EA Vent Plug.....	16.87	3.08
21 24 16 00-0052 EA Discharge Adapter Kit	21.72	
21 24 16 00-0053 EA 1-1/4 Gallon Wall Bracket.....	44.68	8.18
21 24 16 00-0054 EA 2-1/2 Gallon Wall Bracket.....	47.29	8.70
21 24 16 00-0055 EA 4 Gallon Wall Bracket	89.31	16.45
21 24 16 00-0056 EA 6 Gallon Wall Bracket	98.98	18.21
21 24 16 00-0057 EA Mechanical Control Head, No Microswitch	349.20	64.20
21 24 16 00-0058 EA Mechanical Control Head, 1 Microswitch.....	364.32	66.93
21 24 16 00-0059 EA Mechanical Control Head, 2 Microswitches	417.94	76.79
21 24 16 00-0060 EA Tandem Control Head	317.58	58.40
21 24 16 00-0061 EA Electric Control Head, 120 Volt AC / 24 Volt DC.....	537.53	98.78
21 24 16 00-0062 EA Mechanical Control Box.....	239.21	43.98
21 24 16 00-0063 EA Tandem Control Box.....	239.21	43.98
21 24 16 00-0064 EA Mechanical Control Box Adapter	70.11	12.93
21 24 16 00-0065 EA A+ Control head With 1 Pressure Operated Actuator	210.71	38.70
21 24 16 00-0066 EA Pressure Operated Actuator	86.62	15.92
21 24 16 00-0067 EA BMCS-1 Nitrogen Cylinder.....	140.23	25.77
21 24 16 00-0068 EA BMCS-1 Actuator Assembly	142.98	26.30
21 24 16 00-0069 EA BMCS-1 Mounting Bracket	35.06	6.42
21 24 16 00-0070 EA BMCS-7 Nitrogen Cylinder.....	404.61	74.33
21 24 16 00-0071 EA BMCS-7 Mounting Bracket	86.62	15.92
21 24 16 00-0072 EA BMCS-7 Discharge Adapter Kit	86.62	15.92
21 24 16 00-0073 EA Check Valve.....	76.45	18.91
21 24 16 00-0074 EA Vent Check For Use With BMCS Systems	39.18	7.21
21 24 16 00-0075 EA Check Valve, (Schrader Flare Fitting) For Pressure Operated Actuator	17.05	3.13
21 24 16 00-0076 EA Replacement Receiver Gasket For BMCS-Actuator Assembly.....	4.50	
21 24 16 00-0077 EA Pneumatic Control Head For Slave Cylinders.....	89.36	16.45
21 24 16 00-0078 EA Nozzles; ADP, F, R And GRW	40.96	7.57
21 24 16 00-0079 EA Nozzles; DM And LPF	45.64	8.35
21 24 16 00-0080 EA Swivel Adapter.....	28.88	5.27
21 24 16 00-0081 EA Corner Pulley.....	12.38	2.28
21 24 16 00-0082 LF 1/16" Stainless Steel Cable	0.63	0.26
21 24 16 00-0083 EA Cable Crimp Sleeve.....	0.75	0.26
21 24 16 00-0084 EA "S" Hook	0.55	0.17
21 24 16 00-0085 EA Electrical Metallic Tubing (EMT) Adapter, 1/2" Electrical Metallic Tubing (EMT) x 3/8" NPT.....	42.60	7.83
21 24 16 00-0086 EA Cable Clamp	3.80	0.70
21 24 16 00-0087 EA Nico Sleeves - 1/16" Cable.....	0.55	0.17
21 24 16 00-0088 EA 3/8" Cable Anchor.....	45.02	8.27
21 24 16 00-0089 EA 1/2" Cable Anchor.....	45.02	8.27
21 24 16 00-0090 EA Mechanical Remote Manual Release (Pull Cable).....	72.81	13.37

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 24 Dry-Chemical Fire-Extinguishing Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

21 24 16 00-0091	EA	Tee Pulley, Use For Mechanical Pull And Gas Valve	77.72	14.25
21 24 16 00-0092	EA	Surface Remote Manual Release, End-of-line	91.04	16.71
21 24 16 00-0093	EA	Surface Remote Manual Release, In line Conservation Kit	28.53	5.27
21 24 16 00-0094	EA	Surface Remote Manual Release, In line And End Of Line	119.53	21.90
21 24 16 00-0095	EA	Recessed Remote Manual Release, End-of-line	91.04	16.71
21 24 16 00-0096	EA	Recessed Remote Manual Release, In Line Kit	108.53	19.96
21 24 16 00-0097	EA	Pulley Tee, Remote In Line Only	19.51	3.60
21 24 16 00-0098	EA	Fusible Link Housing Kit With 1 - Bracket, 2 - 1/2" Electrical Metallic Tubing (EMT) Connector, 1 - "S" Hook, 8 - Cable Crimp Sleeve	21.66	3.95
21 24 16 00-0099	EA	Fusible Link 165F To 360F	7.11	1.32
21 24 16 00-0100	EA	Fusible Link 500F	10.72	1.32
21 24 16 00-0101	EA	Standard Detector With 1 - 360F link, 2 - "S" Hooks, 2 - Crimp Sleeves	21.66	3.95
21 24 16 00-0102	EA	Standard Detector Kit With 1 - Large Bracket, 2 - "S" Hooks, 2 - Cable Crimp Sleeve	16.67	3.95
21 24 16 00-0103	EA	Quartzoid Link 400 F	116.77	21.46
21 24 16 00-0104	EA	Quartzoid Link 500 F	116.77	21.46
21 24 16 00-0105	EA	SPDT Micro Switch For Use With A Plus Control Box	41.86	7.66
21 24 16 00-0106	EA	DPDT Micro Switch For Use With A Plus Control Box	72.80	13.37
21 24 16 00-0107	EA	SPDT Micro Switch For Use With A Mechanical Control Box	43.28	7.92
21 24 16 00-0108	EA	DPDT Micro Switch For Use With A Mechanical Control Box	75.01	13.80
21 24 16 00-0109	EA	SPDT Micro Switch For Use With PRCB	54.95	10.11
21 24 16 00-0110	EA	DPDT Micro Switch For Use With PRCB	79.27	14.51
21 24 16 00-0111	EA	Pressure Switch, SPDT (Fire Dept. Tie In)	232.18	42.66
21 24 16 00-0112	EA	Circuit Monitor 12 Or 24 Volt DC	104.41	19.18
21 24 16 00-0113	EA	Circuit Monitor 120 Volt AC	104.41	19.18
21 24 16 00-0114	EA	Electric Manual Pull Station	76.25	13.99
21 24 16 00-0115	EA	6", 24 Volt DC, Motor Bell	42.59	7.83
21 24 16 00-0116	EA	10", 115 Volt AC Motor Bell	60.45	11.08
21 24 16 00-0117	EA	Fuse, 1.2 For ECH	4.90	0.88
21 24 16 00-0118	EA	Indicator Lamp 12 Or 24 Volt DC	21.66	3.95
21 24 16 00-0119	EA	Indicator Lamp 120 Volt AC	21.66	3.95
21 24 16 00-0120	EA	B-10 Manual Station Dual Action, SPDT	79.68	14.60
21 24 16 00-0121	EA	B-11 Manual Station Dual Action, DPDT	87.93	16.18
21 24 16 00-0122	EA	Break Rods For B10/B11 Manual Pull Station	2.78	1.15
21 24 16 00-0123	EA	Spare Key For B10/B11 Manual Stations	10.99	2.02
21 24 16 00-0124	EA	MT-24-LSM-VAR Multitone Signal With 15/75od Strobe, 24 Volt, Flush Grill	118.16	21.72
21 24 16 00-0125	EA	Suppression Abort Station	125.01	22.96
21 24 16 00-0126	EA	Suppression Abort Station With Surface Mount Back Box	145.63	26.73
21 24 16 00-0127	EA	Surface Mount Back Box	48.08	8.79
21 24 16 00-0128	EA	Single Hazard Control Unit, 120 Volt AC IP	892.98	163.87
21 24 16 00-0129	EA	Single Hazard Control Unit, 240 Volt AC IP	892.98	163.87
21 24 16 00-0130	EA	1 Lead Acid Battery; 24 Volt DC, 1.2 A.H.	74.19	13.63
21 24 16 00-0131	EA	Accessory Kit - End-of-line Resistors (10K Ohms, 1/2 W)	2.93	0.61
21 24 16 00-0132	EA	Spare Scorpio Circuit Board	645.64	
21 24 16 00-0133	EA	Extra Scorpio Key	10.99	
21 24 16 00-0134	EA	Extra Scorpio Manual	6.88	
21 24 16 00-0135	EA	Compression Seal Adapter 3/8" Pipe	18.69	3.43
21 24 16 00-0136	EA	Compression Seal Adapter 1/2" Tubing/ 1/4" Pipe	20.30	3.69
21 24 16 00-0137	EA	Compression Seal Adapter 5/8" Tubing/ 3/8" Pipe	24.41	4.49
21 24 16 00-0138	EA	Compression Seal Adapter 3/4" Tubing/ 1/2" Pipe	26.10	4.75
21 24 16 00-0139	EA	Quik Seal Adapter 3/8" NPT Female	20.30	3.69
21 24 16 00-0140	EA	Quik Seal Adapter 1/2" NPT Female	20.30	3.69
21 24 16 00-0141	EA	Quik Seal Adapter 3/4" NPT Female	34.71	6.42
21 24 16 00-0142	EA	Quik Seal Adapter 1" NPT Female	46.02	8.44
21 24 16 00-0143	EA	Quik Patch (Up To 1-1/8" Diameter)	20.30	3.69
21 24 16 00-0144	EA	1-1/4 Gallon Karbaloy Charge	45.15	
21 24 16 00-0145	EA	2-1/2 Gallon Karbaloy Charge	77.62	
21 24 16 00-0146	EA	4 Gallon Karbaloy Charge	117.32	
21 24 16 00-0147	EA	6 Gallon Karbaloy Charge	171.67	
21 24 16 00-0148	EA	Inlet Flushing Adapter	33.66	6.16
21 24 16 00-0149	EA	1/2" Flushing Adapter (Outlet)	33.66	6.16
21 24 16 00-0150	EA	1/8" Flushing Adapter (Outlet)	33.66	6.16
21 24 16 00-0151	EA	1/4" Flushing Adapter (Outlet)	33.66	6.16
21 24 16 00-0152	EA	3/8" Flushing Adapter (Outlet)	33.66	6.16
21 24 16 00-0153	EA	Recharge Adapter (Old Style Cylinder Valve Assembly Only)	46.71	
21 24 16 00-0154	EA	Instruction Label (In Case Of Fire) - MCB	3.83	
21 24 16 00-0155	EA	Caution Sign (Turn On Fan)	4.49	
21 24 16 00-0156	EA	Inspection Label (Authorized installers only)	3.31	
21 24 16 00-0157	EA	Label, Warning, A+ Control Box	2.53	
21 24 16 00-0158	EA	Wet Chemical System Kits, RG-1.25G Kit; #23315	590.69	108.46
21 24 16 00-0159	EA	Wet Chemical System Kits, RG-2.5G Kit; #23316	689.62	126.57
21 24 16 00-0160	EA	Wet Chemical System Kits, RG-4GS Kit; #23317	858.61	157.62
21 24 16 00-0161	EA	Wet Chemical System Kits, RG-4GT Kit; #23318	858.61	157.62
21 24 16 00-0162	EA	Wet Chemical System Kits, RG-6G Kit; #23319	1,079.77	198.17
21 24 16 00-0163	EA	Wet Chemical System Kits, RG Mechanical Control HD (MCH) Kit; #23320	511.72	93.94
21 24 16 00-0164	EA	Wet Chemical System Kits, RG Mechanical Control Box (MCB) Kit; #23321	480.80	88.22
21 24 16 00-0165	EA	Wet Chemical System Kits, A Plus Control Box Kit; #23322	388.77	71.34
21 24 16 00-0166	EA	Wet Chemical System Kits, Valve Rebuild Kit; #23210	673.13	123.58
21 24 16 00-0167	EA	Wet Chemical System Kits, BMCS-1 Package; #23208	616.80	113.21

21 30 Fire Pumps (21)



Fire Suppression	21	21
Fire Pumps	21 30	
Centrifugal Fire Pumps	21 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 31 Centrifugal Fire Pumps (21 30)

21 31 13 Electric-Drive, Centrifugal Fire Pumps (21 31)

21 31 13 00-0001 Electric-Drive Fire Pumps (21 31 13)

Note: Includes fire pump, motor, motor starter, alarm panel, automatic transfer switch, and controller.

21 31 13 00-0002	EA	20 HP Electric Fire Pump.....	33,840.42	1,497.05
		For Duplex Pumping System, Add	32,343.37	
21 31 13 00-0003	EA	30 HP Electric Fire Pump.....	39,426.00	1,684.19
		For Duplex Pumping System, Add	37,866.57	
21 31 13 00-0004	EA	40 HP Electric Fire Pump.....	53,645.99	1,871.32
		For Duplex Pumping System, Add	51,913.30	
21 31 13 00-0005	EA	50 HP Electric Fire Pump.....	66,105.68	2,058.95
		For Duplex Pumping System, Add	64,046.74	
21 31 13 00-0006	EA	75 HP Electric Fire Pump.....	73,785.74	2,246.12
		For Duplex Pumping System, Add	71,539.62	

21 31 16 Diesel-Drive, Centrifugal Fire Pumps (21 31)

21 31 16 00-0001 Diesel-Drive Fire Pumps (21 31 16)

Note: Pumps shall be stand alone units meeting NFPA-20 specs. Includes fire pump, motor, motor starter, alarm panel, and controller.

21 31 16 00-0002	EA	30 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	49,651.02	1,684.59
21 31 16 00-0003	EA	40 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	56,161.13	1,871.77
21 31 16 00-0004	EA	50 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	59,023.28	2,058.95
21 31 16 00-0005	EA	75 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	67,152.64	2,246.12
21 31 16 00-0006	EA	150 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	71,313.60	2,620.47
21 31 16 00-0007	EA	175 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	76,843.56	3,369.18
21 31 16 00-0008	EA	200 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	83,424.03	3,743.53
21 31 16 00-0009	EA	250 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	95,391.33	4,267.63
21 31 16 00-0010	EA	300 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	114,180.86	4,604.54
21 31 16 00-0011	EA	350 HP Diesel Driven Fire Pump , NFPA-20 Specific.....	133,941.34	5,240.95
21 31 16 00-0012	EA	400 HP Diesel Driven Fire Pump , NFPA-20 Specific.....	158,885.80	5,615.30
21 31 16 00-0013	EA	500 HP Diesel Driven Fire Pump , NFPA-20 Specific.....	178,866.91	5,989.65

21 31 16 00-0014 Electric Controllers For Fire Pumps (21 31 16)

21 31 16 00-0015 Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller (21 31 16 00-0014)

21 31 16 00-0016	EA	30 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	18,849.66	168.46
21 31 16 00-0017	EA	40 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	21,341.39	187.18
21 31 16 00-0018	EA	50 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	22,373.95	205.89
21 31 16 00-0019	EA	75 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	25,513.38	224.62
21 31 16 00-0020	EA	150 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	26,953.14	262.04
21 31 16 00-0021	EA	175 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	28,715.92	336.92
21 31 16 00-0022	EA	200 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	31,123.48	374.35
21 31 16 00-0023	EA	250 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	35,595.93	426.76
21 31 16 00-0024	EA	300 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	42,909.58	460.45
21 31 16 00-0025	EA	350 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	50,432.03	524.10
21 31 16 00-0026	EA	400 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	60,185.14	561.53
21 31 16 00-0027	EA	500 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	67,952.97	598.97

END OF SECTION 21

21	21	Fire Suppression
	21 30	Fire Pumps
	21 31	Centrifugal Fire Pumps



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 Plumbing

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

22 01 Operation and Maintenance of Plumbing⁽²²⁾

22 01 10 Operation And Maintenance Of Plumbing Piping And Pumps^(22 01)

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

22 01 10 61 Plumbing Piping Repairs^(22 01 10)

22 01 10 61-0001 Pipe Repair Clamps^(22 01 10 61)

22 01 10 61-0002	EA	1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	28.56
22 01 10 61-0003	EA	3/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	30.00
22 01 10 61-0004	EA	1" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	33.03
22 01 10 61-0005	EA	1-1/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	35.38
22 01 10 61-0006	EA	1-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	38.55
22 01 10 61-0007	EA	2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	49.40
22 01 10 61-0008	EA	2-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	64.05
22 01 10 61-0009	EA	3" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	75.26
22 01 10 61-0010	EA	4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	86.51
22 01 10 61-0011	EA	1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	44.32
22 01 10 61-0012	EA	3/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	47.03
22 01 10 61-0013	EA	1" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	52.08
22 01 10 61-0014	EA	1-1/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	57.24
22 01 10 61-0015	EA	1-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	63.31
22 01 10 61-0016	EA	2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	81.96
22 01 10 61-0017	EA	2-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	101.61
22 01 10 61-0018	EA	3" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	117.18
22 01 10 61-0019	EA	4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	133.41
22 01 10 61-0020	EA	1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	62.26
22 01 10 61-0021	EA	3/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	65.24
22 01 10 61-0022	EA	1" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	72.13
22 01 10 61-0023	EA	1-1/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	79.13
22 01 10 61-0024	EA	1-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	89.40
22 01 10 61-0025	EA	2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	110.15
22 01 10 61-0026	EA	2-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	132.50
22 01 10 61-0027	EA	3" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	160.39
22 01 10 61-0028	EA	4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	196.24
22 01 10 61-0029	EA	5" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	202.03
22 01 10 61-0030	EA	6" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	216.22

22 01 40 Operation and Maintenance of Plumbing Fixtures^(22 01)

22 01 40 81 Plumbing Fixtures Replacement^(22 01 40)

22 01 40 81-0001 Fixture And/Or Trim Replacement^(22 01 40 81)

Note: Includes removal of existing item(s) and installation of new item(s). See CSI section 22 42 00 00-0000 for faucet replacement installation and demolition prices.

22 01 40 81-0002	EA	3/8" To 1/2" Compression Shut-off Valve Replacement With 15" Polybutylene Supply Tube	50.45
22 01 40 81-0003	EA	3/8" Compression x 1/2" FIP, Braided Stainless Steel, Supply Lines To Sink/Lavatory Replacement	17.28
22 01 40 81-0004	EA	Chrome Supply Lines To Sink/Lavatory Replacement, Pair	24.76

22 Plumbing**22 01 Operation and Maintenance of Plumbing****22 01 40 Operation and Maintenance of Plumbing Fixtures**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 01 40 81-0005	EA	Single Bowl Sink/Lavatory Drain Line Replacement	34.31	
22 01 40 81-0006	EA	Double Bowl Sink/Lavatory Drain Line Replacement.....	53.53	
22 01 40 81-0007	EA	Shower Head, Polished Chrome, Replacement.....	36.41	
22 01 40 81-0008	EA	Shower Arm Replacement	31.72	
22 01 40 81-0009	EA	Shower Head Replacement	36.52	
22 01 40 81-0010	EA	Shower Knob Replacement	29.68	
22 01 40 81-0011	EA	Shower and Tub Control Trim Replacement	80.38	
		Note: Excludes balancing valve.		
22 01 40 81-0012	EA	Sink Basket Strainer Replacement	20.00	
22 01 40 81-0013	EA	Sink Drain Without Stopper, 1-1/2" Replacement	11.51	
22 01 40 81-0014	EA	Sink Drain Without Stopper, 4-1/2" Replacement	12.01	
22 01 40 81-0015	EA	Sink Drain With Stopper, 1-1/2" Replacement	11.51	
22 01 40 81-0016	EA	1" Sink Rubber Stopper Replacement	7.83	
22 01 40 81-0017	EA	Sink Tailpiece Extension 1-1/2" x 8" Replacement	21.18	
22 01 40 81-0018	EA	Sink Trap, Adjustable, 1-1/2" Replacement	33.01	
22 01 40 81-0019	EA	Lavatory Pop-Up Rod Replacement	23.44	
22 01 40 81-0020	EA	Lavatory Pop-up Drain Stopper Replacement	26.20	
22 01 40 81-0021	EA	Faucet Handle Replacement	29.49	
22 01 40 81-0022	EA	Faucet O-Ring Replacement	22.22	
22 01 40 81-0023	EA	1-1/2" Faucet Hole Cover	14.55	
22 01 40 81-0024	EA	Toilet Ballcock Replacement.....	32.79	
22 01 40 81-0025	EA	Toilet Bowl Ring, Flat Wax, Replacement.....	6.24	
		Note: Excludes removal of toilet.		
22 01 40 81-0026	EA	Toilet Tank Replacement	133.07	
22 01 40 81-0027	EA	Toilet Bowl, 10" Replacement	163.43	
22 01 40 81-0028	EA	Toilet Bowl, 10", Low-Flush Watersaver, Replacement	176.99	
22 01 40 81-0029	EA	Toilet Bowl, 12", Replacement	190.08	
22 01 40 81-0030	EA	Toilet Bowl, Elongated, 18", Replacement	167.99	
22 01 40 81-0031	EA	Toilet Closet Bolt, 5/16" x 3" With Nuts And Washers Replacement.....	19.65	
22 01 40 81-0032	EA	Toilet Flapper With Chain Replacement	15.24	
22 01 40 81-0033	EA	Toilet Flush Tank Lever Replacement	16.20	
22 01 40 81-0034	EA	Elongated Toilet Seat With Lid Replacement.....	90.53	
22 01 40 81-0035	EA	Elongated Toilet Seat Without Lid Replacement.....	76.50	
22 01 40 81-0036	EA	Handicap Toilet Seat Replacement, Complete With Rails	132.89	
22 01 40 81-0037	EA	Diverter Tub Spout Replacement.....	45.12	
22 01 40 81-0038	EA	Tub Spout Replacement	32.64	
22 01 40 81-0039	EA	2" Tub Stopper, Replacement.....	9.09	
22 01 40 81-0040	EA	Tub Waste/Overflow Replacement	63.95	
22 01 40 81-0041	EA	Tub Stem Bonnet Assembly Replacement	31.90	
22 01 40 81-0042	EA	Faucet Bonnet Replacement	35.60	
22 01 40 81-0043	EA	Faucet Diverter Stem Replacement.....	22.18	
22 01 40 81-0044	EA	Faucet Diverter Stem And Bonnet Replacement	29.64	
22 01 40 81-0045	EA	Faucet Spout Replacement	34.11	
22 01 40 81-0046	EA	Faucet Stem Replacement	24.86	
22 01 40 81-0047	EA	Chrome Plated Plastic Drinking Fountain Bubbler Valve With Flexible Bubbler Guard Replacement.....	155.40	
22 01 40 81-0048	EA	Chrome Plated Brass Drinking Fountain Bubbler Valve Replacement.....	193.64	
22 01 40 81-0049	EA	Stainless Steel (Lead Free) Drinking Fountain Pushbutton Bubbler Valve Replacement	120.25	

22 05 Common Work Results for Plumbing ⁽²²⁾**22 05 13 Common Motor Requirements For Plumbing Equipment** ^(22 05)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

22 05 16 Expansion Fittings And Loops For Plumbing Piping ^(22 05)

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

22 05 17 Sleeves and Sleeve Seals for Plumbing Piping ^(22 05)

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

22 05 19 Meters And Gages For Plumbing Piping ^(22 05)

See CSI section 23 05 19 00-0000 for gages, 33 19 11 00-0000 for water utility service metering.

22 05 23 General-Duty Valves For Plumbing Piping ^(22 05)

See CSI section 23 05 23 00-0000 for valves.

22 05 23 00-0001 Earthquake-Sensitive Gas Shut-Off Valve ^(22 05 23)**22 05 23 00-0002 0.5 PSI Threaded Earthquake Gas Shutoff Valves** ^(22 05 23 00-0001)

22 05 23 00-0003	EA	3/4" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve	152.60	10.51
22 05 23 00-0004	EA	1" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve	172.56	11.95

22 05 23 00-0005 7 PSI Threaded Earthquake Gas Shutoff Valves ^(22 05 23 00-0001)

22 05 23 00-0006	EA	1-1/4" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve	201.25	12.71
22 05 23 00-0007	EA	1-1/2" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve	272.17	14.71

22 05 23 00-0008 60 PSI Threaded Earthquake Gas Shutoff Valves ^(22 05 23 00-0001)

22 05 23 00-0009	EA	3/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	189.28	10.51
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0010 EA 1" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	198.03	11.95
22 05 23 00-0011 EA 1-1/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	221.62	12.71
22 05 23 00-0012 EA 1-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	302.73	14.71
22 05 23 00-0013 EA 2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	698.15	17.39
22 05 23 00-0014 EA 2-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	830.07	23.41
22 05 23 00-0015 EA 3" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	1,077.71	27.27
22 05 23 00-0016 EA 4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	1,249.15	30.79
22 05 23 00-0017 60 PSI Flanged Earthquake Gas Shutoff Valves <small>(22 05 23 00-0001)</small>		
22 05 23 00-0018 EA 2" Flanged, 60 PSI Earthquake Gas Shutoff Valve.....	974.30	127.38
22 05 23 00-0019 EA 3" Flanged, 60 PSI Earthquake Gas Shutoff Valve.....	1,200.85	149.53
22 05 23 00-0020 EA 4" Flanged, 60 PSI Earthquake Gas Shutoff Valve.....	1,689.51	250.68
22 05 23 00-0021 EA 6" Flanged, 60 PSI Earthquake Gas Shutoff Valve.....	2,768.88	298.68
22 05 23 00-0022 EA 8" Flanged, 60 PSI Earthquake Gas Shutoff Valve.....	7,503.82	381.66
22 05 23 00-0023 Emergency Shut-Off Valve With Fusible Link <small>(22 05 23)</small>		
22 05 23 00-0024 Threaded, Fusible Brass Gate Valves (Morrison Bros. 939) <small>(22 05 23 00-0023)</small>		
<small>Note: Brass globe/gate valve used to shut off product flow in the event of a fire. Fusible element in the handwheel automatically closes the valve when in contact with 165° F.</small>		
22 05 23 00-0025 EA 1/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series).....	58.91	15.39
<i>For Work In Restricted Working Space, Add</i>	8.35	
22 05 23 00-0026 EA 3/8" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series).....	60.41	16.24
<i>For Work In Restricted Working Space, Add</i>	8.80	
22 05 23 00-0027 EA 1/2" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series).....	94.79	15.39
<i>For Work In Restricted Working Space, Add</i>	9.25	
22 05 23 00-0028 EA 3/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series).....	183.58	20.74
<i>For Work In Restricted Working Space, Add</i>	12.47	
22 05 23 00-0029 EA 1" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series).....	452.97	25.13
<i>For Work In Restricted Working Space, Add</i>	15.09	
22 05 23 00-0030 Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) <small>(22 05 23 00-0023)</small>		
<small>Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.</small>		
22 05 23 00-0031 EA 1-1/2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	351.63	14.71
22 05 23 00-0032 EA 2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	380.69	17.39
22 05 23 00-0033 EA 3" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	637.49	27.27
22 05 23 00-0034 Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) <small>(22 05 23 00-0023)</small>		
<small>Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.</small>		
22 05 23 00-0035 EA 2" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	531.66	127.38
22 05 23 00-0036 EA 3" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	854.54	149.53
22 05 23 00-0037 EA 4" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	1,936.79	250.68
22 05 23 00-0038 Regulators, Clay Valve <small>(22 05 23)</small>		
22 05 23 00-0039 EA 4" Regulator - Clay Valve.....	1,236.68	
22 05 23 00-0040 EA 8" Regulator - Clay Valve.....	1,678.36	
22 05 23 00-0041 EA 10" Regulator - Clay Valve.....	2,314.52	
22 05 23 00-0042 EA 12" Regulator - Clay Valve.....	2,841.78	
22 05 23 00-0043 EA 18" Regulator - Clay Valve.....	4,780.27	
22 05 23 00-0044 EA 24" Regulator - Clay Valve.....	7,692.93	
22 05 29 Hangers And Supports For Plumbing Piping And Equipment <small>(22 05)</small>		
<small>See CSI section 23 05 29 00-0000 for hangers and supports.</small>		
22 05 33 Heat Tracing For Plumbing Piping <small>(22 05)</small>		
<small>See CSI section 23 83 13 00-0000 for heat tracing cables.</small>		
22 05 48 Vibration And Seismic Controls For Plumbing Piping And Equipment <small>(22 05)</small>		
22 05 48 13 Vibration Controls For Plumbing Piping And Equipment <small>(22 05 48)</small>		
<small>See CSI section 23 05 48 13-0000 for vibration and seismic control.</small>		
22 05 53 Identification For Plumbing Piping And Equipment <small>(22 05)</small>		
<small>See CSI section 23 05 53 00-0000 for identification.</small>		
22 05 76 Facility Drainage Piping Cleanouts <small>(22 05)</small>		
22 05 76 00-0001 Cast Iron Cleanout With Plug And Cover <small>(22 05 76)</small>		
<small>Note: For floor installation.</small>		

22 Plumbing**22 05 Common Work Results for Plumbing****22 05 76 Facility Drainage Piping Cleanouts**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0002 Cast Iron Cleanout With Plug And Round Or Square Cover <small>(22 05 76 00-0001)</small>		
22 05 76 00-0003 EA 2" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	530.60	50.84
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0004 EA 3" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	574.18	63.74
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0005 EA 4" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	716.72	77.02
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0006 EA 5" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,026.39	86.19
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0007 EA 6" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,262.22	93.36
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0008 Cast Iron Heavy Duty Cleanout With Plug And Round Cover <small>(22 05 76 00-0001)</small>		
22 05 76 00-0009 EA 2" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	610.79	50.84
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0010 EA 3" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	655.57	63.65
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0011 EA 4" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	798.18	77.02
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0012 EA 5" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,107.90	86.19
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0013 EA 6" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,343.65	93.36
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0014 Wall Cover For Cleanout <small>(22 05 76)</small>		
Note: Cover and screw only.		
22 05 76 00-0015 Round Access Cover, Bronze Polished Top <small>(22 05 76 00-0014)</small>		
Note: Cover and screw only.		
22 05 76 00-0016 EA 4-1/4" Diameter Wall Cover For Cleanout, Screwed.....	80.22	15.96
For Stainless Steel, Add	9.00	
For Vandal Proof Screws, Add	19.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0017 EA 5-1/2" Diameter Wall Cover For Cleanout, Screwed..... <i>For Stainless Steel, Add</i> <i>For Vandal Proof Screws, Add</i>	86.59 9.00 19.50	19.11
22 05 76 00-0018 EA 7" Diameter Wall Cover For Cleanout, Screwed..... <i>For Stainless Steel, Add</i> <i>For Vandal Proof Screws, Add</i>	110.46 9.00 19.50	21.50
22 05 76 00-0019 EA 9-1/4" Diameter Wall Cover For Cleanout, Screwed..... <i>For Stainless Steel, Add</i> <i>For Vandal Proof Screws, Add</i>	186.51 9.00 19.50	23.89
22 05 76 00-0020 EA 11-1/4" Diameter Wall Cover For Cleanout, Screwed..... <i>For Stainless Steel, Add</i> <i>For Vandal Proof Screws, Add</i>	280.40 9.00 19.50	26.28
22 05 76 00-0021 Square Wall Access Panel, Bronze Polished Top (22 05 76 00-0014) Note: Cover and screw only.		
22 05 76 00-0022 EA 7" x 7" Bronze Wall Or Floor Access Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	418.00 19.50 22.50	15.96
22 05 76 00-0023 EA 9" x 9" Bronze Wall Or Floor Access Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	601.94 19.50 22.50	16.73
22 05 76 00-0024 EA 10" x 10" Bronze Wall Or Floor Access Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	643.19 19.50 22.50	17.68
22 05 76 00-0025 EA 14" x 14" Bronze Wall Or Floor Access Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	719.47 19.50 22.50	20.07
22 05 76 00-0026 Secured Square Wall Access Panel, Bronze Polished Top (22 05 76 00-0014) Note: Cover and screw only.		
22 05 76 00-0027 EA 6" x 6" Bronze Secured Wall Access Panel..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	417.46 19.50 22.50	15.96
22 05 76 00-0028 EA 8" x 8" Bronze Secured Wall Access Panel..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	601.15 19.50 22.50	16.73
22 05 76 00-0029 EA 10" x 10" Bronze Secured Wall Access Panel..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	642.33 19.50 22.50	17.68
22 05 76 00-0030 EA 12" x 12" Bronze Secured Wall Access Panel..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	718.53 19.50 22.50	20.07
22 05 76 00-0031 Secure Square Hinged Access Panel, Bronze Polished Top, Scoriated (22 05 76 00-0014) Note: Cover and screw only.		
22 05 76 00-0032 EA 6" x 6" Bronze Secured Hinged Access Panel, Scoriated..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	404.97 19.50 22.50	15.96
22 05 76 00-0033 EA 8" x 8" Bronze Secured Hinged Access Panel, Scoriated..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	560.09 19.50 22.50	16.73
22 05 76 00-0034 EA 10" x 10" Bronze Secured Hinged Access Panel, Scoriated..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	794.08 19.50 22.50	17.68
22 05 76 00-0035 EA 12" x 12" Bronze Secured Hinged Access Panel, Scoriated..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	961.32 19.50 22.50	20.07
22 05 76 00-0036 Cast Iron Cleanout Tee (22 05 76)		
22 05 76 00-0037 Cast Iron Cleanout Tee And Round Access Cover (22 05 76 00-0036) Note: Satin smooth secured cover.		
22 05 76 00-0038 EA 2" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	386.39 18.00 45.00	50.84
22 05 76 00-0039 EA 3" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	441.76 18.00 45.00	63.65
22 05 76 00-0040 EA 4" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	576.50 18.00 45.00	77.02
22 05 76 00-0041 EA 6" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	1,372.82 18.00 45.00	93.36
22 05 76 00-0042 Cast Iron Cleanout Tee And Square Access Cover (22 05 76 00-0036) Note: Satin smooth secured cover.		

22 Plumbing**22 05 Common Work Results for Plumbing****22 05 76 Facility Drainage Piping Cleanouts**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0043 EA 2" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover.....	671.12	50.84
For Vandal Proof Screws, Add	18.00	
For Galvanized Cast Iron Parts, Add	45.00	
22 05 76 00-0044 EA 3" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover.....	726.50	63.65
For Vandal Proof Screws, Add	18.00	
For Galvanized Cast Iron Parts, Add	45.00	
22 05 76 00-0045 EA 4" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover.....	842.34	77.02
For Vandal Proof Screws, Add	18.00	
For Galvanized Cast Iron Parts, Add	45.00	
22 05 76 00-0046 EA 6" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover.....	1,757.41	93.36
For Vandal Proof Screws, Add	18.00	
For Galvanized Cast Iron Parts, Add	45.00	
22 05 76 00-0047 Cast Iron Cleanout Tee With Brass Plug (22 05 76 00-0036)		
22 05 76 00-0048 EA 2" Cleanout Tee With Cast Bronze Screw Plug.....	316.63	41.57
22 05 76 00-0049 EA 3" Cleanout Tee With Cast Bronze Screw Plug.....	353.96	45.39
22 05 76 00-0050 EA 4" Cleanout Tee With Cast Bronze Screw Plug.....	471.71	59.72
22 05 76 00-0051 EA 5" Cleanout Tee With Cast Bronze Screw Plug.....	708.27	70.72
22 05 76 00-0052 EA 6" Cleanout Tee With Cast Bronze Screw Plug.....	1,206.45	83.61
22 05 76 00-0053 Removable Cleanout Plug (22 05 76)		
22 05 76 00-0054 Threaded Bronze Plugs (22 05 76 00-0053)		
22 05 76 00-0055 EA 1-1/4", 1-1/2" Or 2" Threaded Bronze Plug.....	59.51	11.95
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0056 EA 2-1/2" Threaded Bronze Plug.....	71.12	12.99
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0057 EA 3" Threaded Bronze Plug.....	120.77	14.33
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0058 EA 3-1/2" Threaded Bronze Plug.....	135.25	16.73
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0059 EA 4" Threaded Bronze Plug.....	152.95	19.11
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0060 EA 5" Threaded Bronze Plug.....	214.26	21.50
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0061 EA 6" Threaded Bronze Plug.....	314.31	23.89
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0062 EA 8" Threaded Bronze Plug.....	528.96	26.28
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0063 EA 10" Threaded Bronze Plug.....	759.82	28.66
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0064 Threaded Brass Plugs (22 05 76 00-0053)		
22 05 76 00-0065 EA 1-1/2" Threaded Brass Plug, Raised Head.....	39.42	11.94
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0066 EA 2" Threaded Brass Plug, Raised Head.....	42.12	11.94
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0067 EA 2-1/2" Threaded Brass Plug, Raised Head.....	47.16	12.99
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0068 EA 3" Threaded Brass Plug, Raised Head.....	55.89	14.33
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0069 EA 3-1/2" Threaded Brass Plug, Raised Head.....	67.98	16.73
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0070 EA 4" Threaded Brass Plug, Raised Head.....	85.01	19.11
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0071 EA 4-1/2" Threaded Brass Plug, Raised Head.....	93.42	20.13
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0072 EA 5" Threaded Brass Plug, Raised Head.....	103.56	21.50
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0073 EA 6" Threaded Brass Plug, Raised Head.....	173.90	23.89
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0074 EA 1-1/2" Threaded Brass Plug, Countersunk Head.....	37.31	11.94
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0075 EA 2" Threaded Brass Plug, Countersunk Head.....	40.28	11.94
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0076 EA 2-1/2" Threaded Brass Plug, Countersunk Head.....	53.03	12.99
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0077 EA 3" Threaded Brass Plug, Countersunk Head.....	56.75	14.33
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0078 EA 3-1/2" Threaded Brass Plug, Countersunk Head.....	65.44	16.73
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0079 EA 4" Threaded Brass Plug, Countersunk Head.....	81.02	19.11
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0080 EA 5" Threaded Brass Plug, Countersunk Head.....	101.37	21.50
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0081 EA 6" Threaded Brass Plug, Countersunk Head.....	138.73	23.89
For Plug Tapped For Center Screw, Add	9.50	

22 07 Plumbing Insulation (22)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 16 Plumbing Equipment Insulation (22 07)		
22 07 16 00-0001 Lavatory Insulation (22 07 16)		
22 07 16 00-0002 EA Neoprene Insulation Kit For Under Lavatories.....	216.77	20.78
 22 07 19 Plumbing Piping Insulation (22 07)		
22 07 19 00-0001 Fiberglass Pipe Insulation (22 07 19)		
Note: Includes factory applied All Service Jacket (ASJ), Self Sealing Lap (SSL) longitudinal seam, butt strip seals, and adhesive. Excludes insulation for fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.		
22 07 19 00-0002 1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0003 LF 1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	6.26	2.03
For Single Layer Of Felt Finish, Add	0.08	
For Work In Restricted Working Space, Add	1.65	
22 07 19 00-0004 LF 3/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	6.35	2.03
For Single Layer Of Felt Finish, Add	0.09	
For Work In Restricted Working Space, Add	1.65	
22 07 19 00-0005 LF 1" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	6.74	2.12
For Single Layer Of Felt Finish, Add	0.10	
For Work In Restricted Working Space, Add	1.75	
22 07 19 00-0006 LF 1-1/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	6.95	2.21
For Single Layer Of Felt Finish, Add	0.11	
For Work In Restricted Working Space, Add	1.78	
22 07 19 00-0007 LF 1-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	7.13	2.21
For Single Layer Of Felt Finish, Add	0.11	
For Work In Restricted Working Space, Add	1.82	
22 07 19 00-0008 LF 2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	7.53	2.31
For Single Layer Of Felt Finish, Add	0.12	
For Work In Restricted Working Space, Add	1.91	
22 07 19 00-0009 LF 2-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	7.81	2.40
For Single Layer Of Felt Finish, Add	0.14	
For Work In Restricted Working Space, Add	1.95	
22 07 19 00-0010 LF 3" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	8.19	2.49
For Single Layer Of Felt Finish, Add	0.16	
For Work In Restricted Working Space, Add	2.01	
22 07 19 00-0011 LF 4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	9.14	2.68
For Single Layer Of Felt Finish, Add	0.20	
For Work In Restricted Working Space, Add	2.18	
22 07 19 00-0012 LF 6" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	10.77	3.14
For Single Layer Of Felt Finish, Add	0.24	
For Work In Restricted Working Space, Add	2.54	
 22 07 19 00-0013 1" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0014 LF 1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	8.51	2.77
For Single Layer Of Felt Finish, Add	0.10	
For Work In Restricted Working Space, Add	2.28	
22 07 19 00-0015 LF 3/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	8.65	2.77
For Single Layer Of Felt Finish, Add	0.11	
For Work In Restricted Working Space, Add	2.28	
22 07 19 00-0016 LF 1" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	8.78	2.77
For Single Layer Of Felt Finish, Add	0.11	
For Work In Restricted Working Space, Add	2.31	
22 07 19 00-0017 LF 1-1/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	9.03	2.87
For Single Layer Of Felt Finish, Add	0.13	
For Work In Restricted Working Space, Add	2.34	
22 07 19 00-0018 LF 1-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	9.23	2.87
For Single Layer Of Felt Finish, Add	0.14	
For Work In Restricted Working Space, Add	2.38	
22 07 19 00-0019 LF 2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	9.57	2.96
For Single Layer Of Felt Finish, Add	0.15	
For Work In Restricted Working Space, Add	2.44	
22 07 19 00-0020 LF 2-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	10.05	3.14
For Single Layer Of Felt Finish, Add	0.17	
For Work In Restricted Working Space, Add	2.54	
22 07 19 00-0021 LF 3" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	10.46	3.23
For Single Layer Of Felt Finish, Add	0.19	
For Work In Restricted Working Space, Add	2.60	
22 07 19 00-0022 LF 4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	11.64	3.42
For Single Layer Of Felt Finish, Add	0.24	
For Work In Restricted Working Space, Add	2.81	
22 07 19 00-0023 LF 6" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	13.35	3.97
For Single Layer Of Felt Finish, Add	0.30	
For Work In Restricted Working Space, Add	3.16	
22 07 19 00-0024 LF 8" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	16.10	4.44
For Single Layer Of Felt Finish, Add	0.42	
For Work In Restricted Working Space, Add	3.63	

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0025 LF 10" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	18.97	5.26
For Single Layer Of Felt Finish, Add	0.49	
For Work In Restricted Working Space, Add	4.29	
22 07 19 00-0026 LF 12" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.81	6.01
For Single Layer Of Felt Finish, Add	0.56	
For Work In Restricted Working Space, Add	4.95	
22 07 19 00-0027 LF 14" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	23.23	6.56
For Single Layer Of Felt Finish, Add	0.65	
For Work In Restricted Working Space, Add	5.12	
22 07 19 00-0028 1-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0029 LF 1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	9.78	2.86
For Single Layer Of Felt Finish, Add	0.20	
For Work In Restricted Working Space, Add	2.37	
22 07 19 00-0030 LF 3/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	9.87	2.86
For Single Layer Of Felt Finish, Add	0.21	
For Work In Restricted Working Space, Add	2.37	
22 07 19 00-0031 LF 1" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	10.44	3.02
For Single Layer Of Felt Finish, Add	0.22	
For Work In Restricted Working Space, Add	2.51	
22 07 19 00-0032 LF 1-1/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	10.74	3.09
For Single Layer Of Felt Finish, Add	0.23	
For Work In Restricted Working Space, Add	2.56	
22 07 19 00-0033 LF 1-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.02	3.14
For Single Layer Of Felt Finish, Add	0.24	
For Work In Restricted Working Space, Add	2.61	
22 07 19 00-0034 LF 2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.71	3.31
For Single Layer Of Felt Finish, Add	0.27	
For Work In Restricted Working Space, Add	2.75	
22 07 19 00-0035 LF 2-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.12	3.36
For Single Layer Of Felt Finish, Add	0.29	
For Work In Restricted Working Space, Add	2.80	
22 07 19 00-0036 LF 3" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.52	3.48
For Single Layer Of Felt Finish, Add	0.30	
For Work In Restricted Working Space, Add	2.89	
22 07 19 00-0037 LF 4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.73	3.77
For Single Layer Of Felt Finish, Add	0.35	
For Work In Restricted Working Space, Add	3.13	
22 07 19 00-0038 LF 6" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.94	4.40
For Single Layer Of Felt Finish, Add	0.40	
For Work In Restricted Working Space, Add	3.65	
22 07 19 00-0039 LF 8" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	17.57	4.64
For Single Layer Of Felt Finish, Add	0.50	
For Work In Restricted Working Space, Add	3.86	
22 07 19 00-0040 LF 10" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.33	5.55
For Single Layer Of Felt Finish, Add	0.62	
For Work In Restricted Working Space, Add	4.61	
22 07 19 00-0041 LF 12" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	24.39	6.47
For Single Layer Of Felt Finish, Add	0.68	
For Work In Restricted Working Space, Add	5.37	
22 07 19 00-0042 LF 14" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	27.13	7.08
For Single Layer Of Felt Finish, Add	0.79	
For Work In Restricted Working Space, Add	5.89	
22 07 19 00-0043 2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0044 LF 1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.62	3.14
For Single Layer Of Felt Finish, Add	0.31	
For Work In Restricted Working Space, Add	2.60	
22 07 19 00-0045 LF 3/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.71	3.14
For Single Layer Of Felt Finish, Add	0.32	
For Work In Restricted Working Space, Add	2.60	
22 07 19 00-0046 LF 1" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.04	3.23
For Single Layer Of Felt Finish, Add	0.34	
For Work In Restricted Working Space, Add	2.64	
22 07 19 00-0047 LF 1-1/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.33	3.23
For Single Layer Of Felt Finish, Add	0.36	
For Work In Restricted Working Space, Add	2.67	
22 07 19 00-0048 LF 1-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.64	3.33
For Single Layer Of Felt Finish, Add	0.38	
For Work In Restricted Working Space, Add	2.70	
22 07 19 00-0049 LF 2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.12	3.42
For Single Layer Of Felt Finish, Add	0.40	
For Work In Restricted Working Space, Add	2.81	
22 07 19 00-0050 LF 2-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.73	3.51
For Single Layer Of Felt Finish, Add	0.43	
For Work In Restricted Working Space, Add	2.90	
22 07 19 00-0051 LF 3" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.37	3.69
For Single Layer Of Felt Finish, Add	0.46	
For Work In Restricted Working Space, Add	3.00	
22 07 19 00-0052 LF 4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.55	3.88
For Single Layer Of Felt Finish, Add	0.53	
For Work In Restricted Working Space, Add	3.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0053 LF 6" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	18.48	4.56
<i>For Single Layer Of Felt Finish, Add</i>	0.61	
<i>For Work In Restricted Working Space, Add</i>	3.80	
22 07 19 00-0054 LF 8" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	20.54	4.81
<i>For Single Layer Of Felt Finish, Add</i>	0.75	
<i>For Work In Restricted Working Space, Add</i>	4.01	
22 07 19 00-0055 LF 10" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	24.59	5.75
<i>For Single Layer Of Felt Finish, Add</i>	0.90	
<i>For Work In Restricted Working Space, Add</i>	4.80	
22 07 19 00-0056 LF 12" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	28.58	6.90
<i>For Single Layer Of Felt Finish, Add</i>	0.99	
<i>For Work In Restricted Working Space, Add</i>	5.75	
22 07 19 00-0057 LF 14" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	37.40	7.52
<i>For Single Layer Of Felt Finish, Add</i>	1.12	
<i>For Work In Restricted Working Space, Add</i>	8.02	
22 07 19 00-0058 LF 16" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	38.87	8.82
<i>For Single Layer Of Felt Finish, Add</i>	1.27	
<i>For Work In Restricted Working Space, Add</i>	8.02	
22 07 19 00-0059 LF 18" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	42.49	9.27
<i>For Single Layer Of Felt Finish, Add</i>	1.52	
<i>For Work In Restricted Working Space, Add</i>	8.42	
22 07 19 00-0060 LF 20" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	48.27	10.58
<i>For Single Layer Of Felt Finish, Add</i>	1.70	
<i>For Work In Restricted Working Space, Add</i>	9.62	
22 07 19 00-0061 LF 24" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	56.70	12.80
<i>For Single Layer Of Felt Finish, Add</i>	1.88	
<i>For Work In Restricted Working Space, Add</i>	11.63	
22 07 19 00-0062 2-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0063 LF 1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	14.10	3.69
<i>For Single Layer Of Felt Finish, Add</i>	0.43	
<i>For Work In Restricted Working Space, Add</i>	3.01	
22 07 19 00-0064 LF 3/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	14.24	3.69
<i>For Single Layer Of Felt Finish, Add</i>	0.44	
<i>For Work In Restricted Working Space, Add</i>	3.01	
22 07 19 00-0065 LF 1" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	14.71	3.69
<i>For Single Layer Of Felt Finish, Add</i>	0.48	
<i>For Work In Restricted Working Space, Add</i>	3.05	
22 07 19 00-0066 LF 1-1/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	15.03	3.78
<i>For Single Layer Of Felt Finish, Add</i>	0.50	
<i>For Work In Restricted Working Space, Add</i>	3.08	
22 07 19 00-0067 LF 1-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	15.38	3.78
<i>For Single Layer Of Felt Finish, Add</i>	0.53	
<i>For Work In Restricted Working Space, Add</i>	3.10	
22 07 19 00-0068 LF 2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	16.02	3.97
<i>For Single Layer Of Felt Finish, Add</i>	0.55	
<i>For Work In Restricted Working Space, Add</i>	3.23	
22 07 19 00-0069 LF 2-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	16.82	4.06
<i>For Single Layer Of Felt Finish, Add</i>	0.60	
<i>For Work In Restricted Working Space, Add</i>	3.34	
22 07 19 00-0070 LF 3" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	17.58	4.25
<i>For Single Layer Of Felt Finish, Add</i>	0.64	
<i>For Work In Restricted Working Space, Add</i>	3.46	
22 07 19 00-0071 LF 4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	19.20	4.44
<i>For Single Layer Of Felt Finish, Add</i>	0.74	
<i>For Work In Restricted Working Space, Add</i>	3.65	
22 07 19 00-0072 LF 6" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	21.95	4.71
<i>For Single Layer Of Felt Finish, Add</i>	0.86	
<i>For Work In Restricted Working Space, Add</i>	4.14	
22 07 19 00-0073 LF 8" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	28.07	5.63
<i>For Single Layer Of Felt Finish, Add</i>	1.33	
<i>For Work In Restricted Working Space, Add</i>	4.62	
22 07 19 00-0074 LF 10" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	33.28	6.47
<i>For Single Layer Of Felt Finish, Add</i>	1.63	
<i>For Work In Restricted Working Space, Add</i>	5.33	
22 07 19 00-0075 LF 12" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	38.59	8.04
<i>For Single Layer Of Felt Finish, Add</i>	1.74	
<i>For Work In Restricted Working Space, Add</i>	6.62	
22 07 19 00-0076 LF 14" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	43.28	8.86
<i>For Single Layer Of Felt Finish, Add</i>	2.02	
<i>For Work In Restricted Working Space, Add</i>	7.22	
22 07 19 00-0077 LF 16" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	51.93	11.27
<i>For Single Layer Of Felt Finish, Add</i>	2.22	
<i>For Work In Restricted Working Space, Add</i>	9.23	
22 07 19 00-0078 LF 18" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	55.53	11.82
<i>For Single Layer Of Felt Finish, Add</i>	2.44	
<i>For Work In Restricted Working Space, Add</i>	9.70	
22 07 19 00-0079 LF 20" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	63.14	13.48
<i>For Single Layer Of Felt Finish, Add</i>	2.75	
<i>For Work In Restricted Working Space, Add</i>	11.09	
22 07 19 00-0080 LF 24" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	74.75	16.30
<i>For Single Layer Of Felt Finish, Add</i>	3.16	
<i>For Work In Restricted Working Space, Add</i>	13.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0081 3" Thick Fiberglass Pipe Insulation <small>(22 07 19 00-0001)</small>		
22 07 19 00-0082 LF 1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.57	4.08
For Single Layer Of Felt Finish, Add	0.47	
For Work In Restricted Working Space, Add	3.33	
22 07 19 00-0083 LF 3/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.72	4.08
For Single Layer Of Felt Finish, Add	0.49	
For Work In Restricted Working Space, Add	3.33	
22 07 19 00-0084 LF 1" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.18	4.11
For Single Layer Of Felt Finish, Add	0.52	
For Work In Restricted Working Space, Add	3.36	
22 07 19 00-0085 LF 1-1/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.53	4.14
For Single Layer Of Felt Finish, Add	0.55	
For Work In Restricted Working Space, Add	3.38	
22 07 19 00-0086 LF 1-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.94	4.19
For Single Layer Of Felt Finish, Add	0.58	
For Work In Restricted Working Space, Add	3.42	
22 07 19 00-0087 LF 2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	17.59	4.35
For Single Layer Of Felt Finish, Add	0.61	
For Work In Restricted Working Space, Add	3.55	
22 07 19 00-0088 LF 2-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	18.48	4.50
For Single Layer Of Felt Finish, Add	0.66	
For Work In Restricted Working Space, Add	3.67	
22 07 19 00-0089 LF 3" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	19.32	4.67
For Single Layer Of Felt Finish, Add	0.70	
For Work In Restricted Working Space, Add	3.80	
22 07 19 00-0090 LF 4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.10	4.92
For Single Layer Of Felt Finish, Add	0.81	
For Work In Restricted Working Space, Add	4.01	
22 07 19 00-0091 LF 6" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	24.13	5.58
For Single Layer Of Felt Finish, Add	0.94	
For Work In Restricted Working Space, Add	4.55	
22 07 19 00-0092 LF 8" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	30.84	6.23
For Single Layer Of Felt Finish, Add	1.46	
For Work In Restricted Working Space, Add	5.08	
22 07 19 00-0093 LF 10" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	36.56	7.18
For Single Layer Of Felt Finish, Add	1.79	
For Work In Restricted Working Space, Add	5.86	
22 07 19 00-0094 LF 12" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	42.41	8.93
For Single Layer Of Felt Finish, Add	1.90	
For Work In Restricted Working Space, Add	7.28	
22 07 19 00-0095 LF 14" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	47.57	9.76
For Single Layer Of Felt Finish, Add	2.21	
For Work In Restricted Working Space, Add	7.95	
22 07 19 00-0096 LF 16" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	57.08	12.45
For Single Layer Of Felt Finish, Add	2.44	
For Work In Restricted Working Space, Add	10.16	
22 07 19 00-0097 LF 18" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	61.04	13.09
For Single Layer Of Felt Finish, Add	2.68	
For Work In Restricted Working Space, Add	10.67	
22 07 19 00-0098 LF 20" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	69.39	14.96
For Single Layer Of Felt Finish, Add	3.02	
For Work In Restricted Working Space, Add	12.20	
22 07 19 00-0099 LF 24" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	82.14	18.07
For Single Layer Of Felt Finish, Add	3.47	
For Work In Restricted Working Space, Add	14.73	
22 07 19 00-0100 3-1/2" Thick Fiberglass Pipe Insulation <small>(22 07 19 00-0001)</small>		
22 07 19 00-0101 LF 1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.86	4.44
For Single Layer Of Felt Finish, Add	0.49	
For Work In Restricted Working Space, Add	3.65	
22 07 19 00-0102 LF 3/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	17.04	4.44
For Single Layer Of Felt Finish, Add	0.51	
For Work In Restricted Working Space, Add	3.65	
22 07 19 00-0103 LF 1" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	17.66	4.44
For Single Layer Of Felt Finish, Add	0.57	
For Work In Restricted Working Space, Add	3.67	
22 07 19 00-0104 LF 1-1/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	18.03	4.53
For Single Layer Of Felt Finish, Add	0.60	
For Work In Restricted Working Space, Add	3.69	
22 07 19 00-0105 LF 1-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	18.52	4.53
For Single Layer Of Felt Finish, Add	0.64	
For Work In Restricted Working Space, Add	3.74	
22 07 19 00-0106 LF 2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	19.19	4.71
For Single Layer Of Felt Finish, Add	0.66	
For Work In Restricted Working Space, Add	3.86	
22 07 19 00-0107 LF 2-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.16	4.90
For Single Layer Of Felt Finish, Add	0.72	
For Work In Restricted Working Space, Add	4.00	
22 07 19 00-0108 LF 3" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.03	5.08
For Single Layer Of Felt Finish, Add	0.76	
For Work In Restricted Working Space, Add	4.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0109 LF 4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.06 0.89 4.38	5.35
22 07 19 00-0110 LF 6" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.34 1.03 4.97	6.10
22 07 19 00-0111 LF 8" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.67 1.60 5.54	6.74
22 07 19 00-0112 LF 10" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.92 1.96 6.39	7.76
22 07 19 00-0113 LF 12" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	46.31 2.08 7.94	9.70
22 07 19 00-0114 LF 14" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	51.94 2.42 8.67	10.62
22 07 19 00-0115 LF 16" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	62.33 2.67 11.08	13.48
22 07 19 00-0116 LF 18" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	66.64 2.92 11.64	14.22
22 07 19 00-0117 LF 20" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	75.79 3.30 13.31	16.26
22 07 19 00-0118 LF 24" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	89.70 3.79 16.07	19.58
22 07 19 00-0119 4" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0120 LF 1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.00 0.58 4.05	4.99
22 07 19 00-0121 LF 3/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.19 0.60 4.05	4.99
22 07 19 00-0122 LF 1" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.83 0.64 4.12	4.99
22 07 19 00-0123 LF 1-1/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.34 0.68 4.16	5.08
22 07 19 00-0124 LF 1-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.14 0.72 4.30	5.26
22 07 19 00-0125 LF 2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.87 0.75 4.43	5.45
22 07 19 00-0126 LF 2-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.68 0.81 4.50	5.45
22 07 19 00-0127 LF 3" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.72 0.86 4.66	5.72
22 07 19 00-0128 LF 4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.92 1.00 4.92	6.01
22 07 19 00-0129 LF 6" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	29.62 1.16 5.59	6.83
22 07 19 00-0130 LF 8" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	37.87 1.80 6.23	7.38
22 07 19 00-0131 LF 10" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	44.93 2.20 7.19	8.77
22 07 19 00-0132 LF 12" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	52.11 2.34 8.94	10.89
22 07 19 00-0133 LF 14" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	58.45 2.72 9.76	11.91
22 07 19 00-0134 LF 16" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	70.17 3.00 12.48	15.24
22 07 19 00-0135 LF 18" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	74.93 3.29 13.08	15.97
22 07 19 00-0136 LF 20" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	84.45 3.63 14.97	18.29

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0137 LF 24" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	100.93	22.07
For Single Layer Of Felt Finish, Add	4.27	
For Work In Restricted Working Space, Add	18.08	
22 07 19 00-0138 LF 26" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	116.14	26.04
For Single Layer Of Felt Finish, Add	4.74	
For Work In Restricted Working Space, Add	21.31	
22 07 19 00-0139 LF 28" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	132.39	30.66
For Single Layer Of Felt Finish, Add	5.12	
For Work In Restricted Working Space, Add	25.10	
22 07 19 00-0140 LF 30" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	151.24	36.21
For Single Layer Of Felt Finish, Add	5.47	
For Work In Restricted Working Space, Add	29.73	
22 07 19 00-0141 LF 36" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	185.24	46.03
For Single Layer Of Felt Finish, Add	6.22	
For Work In Restricted Working Space, Add	37.80	
22 07 19 00-0142 LF 42" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	219.24	56.06
For Single Layer Of Felt Finish, Add	6.96	
For Work In Restricted Working Space, Add	45.87	
22 07 19 00-0143 LF 44" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	237.42	61.61
For Single Layer Of Felt Finish, Add	7.23	
For Work In Restricted Working Space, Add	50.56	
22 07 19 00-0144 LF 46" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	253.47	66.31
For Single Layer Of Felt Finish, Add	7.52	
For Work In Restricted Working Space, Add	54.54	
22 07 19 00-0145 Foamglas Pipe Insulation, Rigid, Closed Cell (22 07 19)		
Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.		
22 07 19 00-0146 1" Thick Foamglas Pipe Insulation (22 07 19 00-0145)		
22 07 19 00-0147 LF 1/2" Diameter Pipe, 1" Thick Foamglas Insulation	15.75	4.51
For Work In Restricted Working Space, Add	4.10	
22 07 19 00-0148 LF 3/4" Diameter Pipe, 1" Thick Foamglas Insulation	16.28	4.51
For Work In Restricted Working Space, Add	4.10	
22 07 19 00-0149 LF 1" Diameter Pipe, 1" Thick Foamglas Insulation	17.01	4.57
For Work In Restricted Working Space, Add	4.15	
22 07 19 00-0150 LF 1-1/4" Diameter Pipe, 1" Thick Foamglas Insulation	17.39	4.64
For Work In Restricted Working Space, Add	4.21	
22 07 19 00-0151 LF 1-1/2" Diameter Pipe, 1" Thick Foamglas Insulation	17.95	4.70
For Work In Restricted Working Space, Add	4.28	
22 07 19 00-0152 LF 2" Diameter Pipe, 1" Thick Foamglas Insulation	19.03	4.83
For Work In Restricted Working Space, Add	4.40	
22 07 19 00-0153 LF 2-1/2" Diameter Pipe, 1" Thick Foamglas Insulation	20.40	5.03
For Work In Restricted Working Space, Add	4.58	
22 07 19 00-0154 LF 3" Diameter Pipe, 1" Thick Foamglas Insulation	21.83	5.16
For Work In Restricted Working Space, Add	4.69	
22 07 19 00-0155 LF 4" Diameter Pipe, 1" Thick Foamglas Insulation	24.99	5.55
For Work In Restricted Working Space, Add	5.05	
22 07 19 00-0156 LF 6" Diameter Pipe, 1" Thick Foamglas Insulation	31.32	6.26
For Work In Restricted Working Space, Add	5.70	
22 07 19 00-0157 1-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0145)		
22 07 19 00-0158 LF 1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	18.35	5.00
For Work In Restricted Working Space, Add	4.40	
22 07 19 00-0159 LF 3/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	18.69	5.00
For Work In Restricted Working Space, Add	4.40	
22 07 19 00-0160 LF 1" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	19.22	5.06
For Work In Restricted Working Space, Add	4.45	
22 07 19 00-0161 LF 1-1/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	19.66	5.13
For Work In Restricted Working Space, Add	4.51	
22 07 19 00-0162 LF 1-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	20.07	5.20
For Work In Restricted Working Space, Add	4.57	
22 07 19 00-0163 LF 2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	21.60	5.36
For Work In Restricted Working Space, Add	4.72	
22 07 19 00-0164 LF 2-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	24.18	5.57
For Work In Restricted Working Space, Add	4.90	
22 07 19 00-0165 LF 3" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	26.46	5.73
For Work In Restricted Working Space, Add	5.05	
22 07 19 00-0166 LF 4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	29.75	6.11
For Work In Restricted Working Space, Add	5.38	
22 07 19 00-0167 LF 6" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	34.87	6.92
For Work In Restricted Working Space, Add	6.08	
22 07 19 00-0168 LF 8" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	38.97	7.72
For Work In Restricted Working Space, Add	6.78	
22 07 19 00-0169 LF 10" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	47.02	8.89
For Work In Restricted Working Space, Add	7.82	
22 07 19 00-0170 LF 12" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	56.08	11.06
For Work In Restricted Working Space, Add	9.72	
22 07 19 00-0171 LF 14" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	62.17	11.63
For Work In Restricted Working Space, Add	10.57	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0172 LF 16" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	68.54 11.81	12.99
22 07 19 00-0173 LF 18" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	78.06 13.97	15.36
22 07 19 00-0174 LF 20" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	87.12 15.46	17.00
22 07 19 00-0175 LF 24" Diameter Pipe, 1-1/2" Thick Fiberglass Insulation..... <i>For Work In Restricted Working Space, Add</i>	107.38 17.13	18.84
22 07 19 00-0176 2" Thick Foamglas Pipe Insulation (22 07 19 00-0145)		
22 07 19 00-0177 LF 1/2" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	20.47 4.69	5.16
22 07 19 00-0178 LF 3/4" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	21.00 4.69	5.16
22 07 19 00-0179 LF 1" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	21.70 4.75	5.22
22 07 19 00-0180 LF 1-1/4" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	22.73 4.81	5.29
22 07 19 00-0181 LF 1-1/2" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	23.76 4.87	5.35
22 07 19 00-0182 LF 2" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	26.31 5.05	5.55
22 07 19 00-0183 LF 2-1/2" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	27.55 5.23	5.75
22 07 19 00-0184 LF 3" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	29.42 5.40	5.94
22 07 19 00-0185 LF 4" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	32.88 5.70	6.27
22 07 19 00-0186 LF 6" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	39.13 6.47	7.12
22 07 19 00-0187 LF 8" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	43.56 7.22	7.95
22 07 19 00-0188 LF 10" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	52.72 8.32	9.15
22 07 19 00-0189 LF 12" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	65.32 10.34	11.38
22 07 19 00-0190 LF 14" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	69.94 11.29	12.42
22 07 19 00-0191 LF 16" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	83.37 14.43	15.87
22 07 19 00-0192 LF 18" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	90.53 15.15	16.67
22 07 19 00-0193 LF 20" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	100.49 17.32	19.05
22 07 19 00-0194 LF 24" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	125.55 20.93	23.02
22 07 19 00-0195 2-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0145)		
22 07 19 00-0196 LF 1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	24.49 5.09	5.59
22 07 19 00-0197 LF 3/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	25.36 5.08	5.58
22 07 19 00-0198 LF 1" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	26.54 5.17	5.68
22 07 19 00-0199 LF 1-1/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	27.55 5.20	5.72
22 07 19 00-0200 LF 1-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	28.59 5.24	5.77
22 07 19 00-0201 LF 2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	30.55 5.46	6.01
22 07 19 00-0202 LF 2-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	32.41 5.65	6.22
22 07 19 00-0203 LF 3" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	35.02 5.85	6.43
22 07 19 00-0204 LF 4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	39.01 6.17	6.78
22 07 19 00-0205 LF 6" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	46.43 7.01	7.72
22 07 19 00-0206 LF 8" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	51.73 7.82	8.60
22 07 19 00-0207 LF 10" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	59.08 9.01	9.91
22 07 19 00-0208 LF 12" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	73.56 11.20	12.32
22 07 19 00-0209 LF 14" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	77.03 12.23	13.45
22 07 19 00-0210 LF 16" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	91.55 15.62	17.19
22 07 19 00-0211 LF 18" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	99.20 16.41	18.05
22 07 19 00-0212 LF 20" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	113.99 18.75	20.62

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0213	LF		24" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	142.27 22.66	24.93
22 07 19 00-0214			3" Thick Foamglas Pipe Insulation (22 07 19 00-0145)		
22 07 19 00-0215	LF		1/2" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	29.15 5.41	5.95
22 07 19 00-0216	LF		3/4" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	29.68 5.41	5.95
22 07 19 00-0217	LF		1" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	30.50 5.50	6.05
22 07 19 00-0218	LF		1-1/4" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	31.17 5.54	6.09
22 07 19 00-0219	LF		1-1/2" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	31.86 5.58	6.15
22 07 19 00-0220	LF		2" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	34.13 5.81	6.39
22 07 19 00-0221	LF		2-1/2" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	36.30 6.01	6.61
22 07 19 00-0222	LF		3" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	40.88 6.22	6.84
22 07 19 00-0223	LF		4" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	46.34 6.56	7.21
22 07 19 00-0224	LF		6" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	50.91 7.46	8.20
22 07 19 00-0225	LF		8" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	57.42 8.31	9.14
22 07 19 00-0226	LF		10" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	68.33 9.59	10.54
22 07 19 00-0227	LF		12" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	79.82 11.92	13.11
22 07 19 00-0228	LF		14" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	85.60 13.01	14.30
22 07 19 00-0229	LF		16" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	102.83 16.62	18.29
22 07 19 00-0230	LF		18" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	109.88 17.46	19.20
22 07 19 00-0231	LF		20" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	128.47 19.95	21.94
22 07 19 00-0232	LF		24" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	156.90 24.10	26.52
22 07 19 00-0233			3-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0145)		
22 07 19 00-0234	LF		1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	35.12 6.56	7.21
22 07 19 00-0235	LF		3/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	35.79 6.56	7.21
22 07 19 00-0236	LF		1" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	36.61 6.60	7.26
22 07 19 00-0237	LF		1-1/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	37.42 6.65	7.30
22 07 19 00-0238	LF		1-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	38.37 6.73	7.39
22 07 19 00-0239	LF		2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	41.97 6.96	7.66
22 07 19 00-0240	LF		2-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	45.61 7.20	7.93
22 07 19 00-0241	LF		3" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	48.10 7.46	8.20
22 07 19 00-0242	LF		4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	51.45 7.88	8.67
22 07 19 00-0243	LF		6" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	59.16 8.95	9.85
22 07 19 00-0244	LF		8" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	67.15 9.97	10.97
22 07 19 00-0245	LF		10" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	80.09 11.50	12.66
22 07 19 00-0246	LF		12" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	95.02 14.30	15.73
22 07 19 00-0247	LF		14" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	99.51 15.61	17.17
22 07 19 00-0248	LF		16" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	119.96 19.95	21.94
22 07 19 00-0249	LF		18" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	131.31 20.95	23.05
22 07 19 00-0250	LF		20" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	149.57 23.96	26.35
22 07 19 00-0251	LF		24" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	183.39 28.93	31.82
22 07 19 00-0252			4" Thick Foamglas Pipe Insulation (22 07 19 00-0145)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0253 LF 1/2" Diameter Pipe, 4" Thick Foamglas Insulation	42.81	8.86
<i>For Work In Restricted Working Space, Add</i>	8.06	
22 07 19 00-0254 LF 3/4" Diameter Pipe, 4" Thick Foamglas Insulation	43.67	8.86
<i>For Work In Restricted Working Space, Add</i>	8.06	
22 07 19 00-0255 LF 1" Diameter Pipe, 4" Thick Foamglas Insulation	45.01	9.01
<i>For Work In Restricted Working Space, Add</i>	8.20	
22 07 19 00-0256 LF 1-1/4" Diameter Pipe, 4" Thick Foamglas Insulation	46.18	9.12
<i>For Work In Restricted Working Space, Add</i>	8.29	
22 07 19 00-0257 LF 1-1/2" Diameter Pipe, 4" Thick Foamglas Insulation	47.92	9.42
<i>For Work In Restricted Working Space, Add</i>	8.55	
22 07 19 00-0258 LF 2" Diameter Pipe, 4" Thick Foamglas Insulation	51.54	9.70
<i>For Work In Restricted Working Space, Add</i>	8.82	
22 07 19 00-0259 LF 2-1/2" Diameter Pipe, 4" Thick Foamglas Insulation	54.72	9.86
<i>For Work In Restricted Working Space, Add</i>	8.96	
22 07 19 00-0260 LF 3" Diameter Pipe, 4" Thick Foamglas Insulation	57.39	10.21
<i>For Work In Restricted Working Space, Add</i>	9.29	
22 07 19 00-0261 LF 4" Diameter Pipe, 4" Thick Foamglas Insulation	62.83	11.39
<i>For Work In Restricted Working Space, Add</i>	10.35	
22 07 19 00-0262 LF 6" Diameter Pipe, 4" Thick Foamglas Insulation	72.22	12.23
<i>For Work In Restricted Working Space, Add</i>	11.12	
22 07 19 00-0263 LF 8" Diameter Pipe, 4" Thick Foamglas Insulation	81.29	13.26
<i>For Work In Restricted Working Space, Add</i>	12.06	
22 07 19 00-0264 LF 10" Diameter Pipe, 4" Thick Foamglas Insulation	93.37	15.75
<i>For Work In Restricted Working Space, Add</i>	14.33	
22 07 19 00-0265 LF 12" Diameter Pipe, 4" Thick Foamglas Insulation	109.63	19.57
<i>For Work In Restricted Working Space, Add</i>	17.79	
22 07 19 00-0266 LF 14" Diameter Pipe, 4" Thick Foamglas Insulation	119.25	21.37
<i>For Work In Restricted Working Space, Add</i>	19.43	
22 07 19 00-0267 LF 16" Diameter Pipe, 4" Thick Foamglas Insulation	142.50	27.33
<i>For Work In Restricted Working Space, Add</i>	24.84	
22 07 19 00-0268 LF 18" Diameter Pipe, 4" Thick Foamglas Insulation	157.70	28.64
<i>For Work In Restricted Working Space, Add</i>	26.04	
22 07 19 00-0269 LF 20" Diameter Pipe, 4" Thick Foamglas Insulation	177.10	32.77
<i>For Work In Restricted Working Space, Add</i>	29.80	
22 07 19 00-0270 LF 24" Diameter Pipe, 4" Thick Foamglas Insulation	223.67	39.61
<i>For Work In Restricted Working Space, Add</i>	36.00	
22 07 19 00-0271 Flexible Polyethylene Tubing Closed Cell Foam Insulation <small>(22 07 19)</small>		
Note: UV resistant standard temperature (-90 Degree F To +212 Degree F). No additional linear feet for fittings required.		
22 07 19 00-0272 3/8" Wall Flexible Polyethylene Tubing Foam Insulation <small>(22 07 19 00-0271)</small>		
22 07 19 00-0273 LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.81	2.77
<i>For Work In Restricted Working Space, Add</i>	1.66	
22 07 19 00-0274 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.82	2.77
<i>For Work In Restricted Working Space, Add</i>	1.66	
22 07 19 00-0275 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.04	2.87
<i>For Work In Restricted Working Space, Add</i>	1.72	
22 07 19 00-0276 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.28	2.96
<i>For Work In Restricted Working Space, Add</i>	1.78	
22 07 19 00-0277 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.49	3.01
<i>For Work In Restricted Working Space, Add</i>	1.81	
22 07 19 00-0278 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.72	3.06
<i>For Work In Restricted Working Space, Add</i>	1.84	
22 07 19 00-0279 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.81	3.06
<i>For Work In Restricted Working Space, Add</i>	1.85	
22 07 19 00-0280 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.05	3.06
<i>For Work In Restricted Working Space, Add</i>	1.85	
22 07 19 00-0281 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.56	3.15
<i>For Work In Restricted Working Space, Add</i>	1.91	
22 07 19 00-0282 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.78	3.21
<i>For Work In Restricted Working Space, Add</i>	1.94	
22 07 19 00-0283 1/2" Wall Flexible Polyethylene Tubing Foam Insulation <small>(22 07 19 00-0271)</small>		
22 07 19 00-0284 LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.43	3.01
<i>For Work In Restricted Working Space, Add</i>	1.81	
22 07 19 00-0285 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.49	3.01
<i>For Work In Restricted Working Space, Add</i>	1.82	
22 07 19 00-0286 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.59	3.06
<i>For Work In Restricted Working Space, Add</i>	1.84	
22 07 19 00-0287 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.70	3.08
<i>For Work In Restricted Working Space, Add</i>	1.85	
22 07 19 00-0288 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.00	3.15
<i>For Work In Restricted Working Space, Add</i>	1.89	
22 07 19 00-0289 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.24	3.21
<i>For Work In Restricted Working Space, Add</i>	1.92	
22 07 19 00-0290 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.51	3.25
<i>For Work In Restricted Working Space, Add</i>	1.95	
22 07 19 00-0291 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.84	3.30
<i>For Work In Restricted Working Space, Add</i>	1.98	
22 07 19 00-0292 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.42	3.40
<i>For Work In Restricted Working Space, Add</i>	2.04	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0293	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.99 2.07	3.44
22 07 19 00-0294	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.53 2.09	3.49
22 07 19 00-0295	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.86 2.12	3.54
22 07 19 00-0296		3/4" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0271)		
22 07 19 00-0297	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.10 1.95	3.25
22 07 19 00-0298	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.20 1.98	3.30
22 07 19 00-0299	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.60 2.04	3.40
22 07 19 00-0300	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.79 2.07	3.44
22 07 19 00-0301	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.28 2.12	3.54
22 07 19 00-0302	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.76 2.15	3.59
22 07 19 00-0303	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.98 2.17	3.61
22 07 19 00-0304	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.82 2.18	3.64
22 07 19 00-0305	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.03 2.24	3.73
22 07 19 00-0306	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.12 2.27	3.78
22 07 19 00-0307	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.98 2.30	3.83
22 07 19 00-0308	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	12.34 2.33	3.88
22 07 19 00-0309		1" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0271)		
22 07 19 00-0310	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.03 2.15	3.59
22 07 19 00-0311	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.21 2.18	3.64
22 07 19 00-0312	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.78 2.24	3.73
22 07 19 00-0313	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.95 2.27	3.78
22 07 19 00-0314	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.77 2.33	3.88
22 07 19 00-0315	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.20 2.39	3.98
22 07 19 00-0316	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.39 2.42	4.02
22 07 19 00-0317	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.15 2.45	4.07
22 07 19 00-0318	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.72 2.50	4.17
22 07 19 00-0319	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	12.21 2.53	4.23
22 07 19 00-0320		Flexible Elastomeric Tubing Closed Cell Foam Insulation (22 07 19) Note: No additional LF for fittings required.		
22 07 19 00-0321		3/8" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0320)		
22 07 19 00-0322	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	6.44 1.66	2.77
22 07 19 00-0323	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	6.59 1.66	2.77
22 07 19 00-0324	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	6.87 1.72	2.87
22 07 19 00-0325	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.05 1.74	2.91
22 07 19 00-0326	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.24 1.78	2.96
22 07 19 00-0327	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.52 1.81	3.01
22 07 19 00-0328	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.75 1.84	3.06
22 07 19 00-0329	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.02 1.85	3.06
22 07 19 00-0330	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.25 1.85	3.06
22 07 19 00-0331	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.49 1.86	3.10
22 07 19 00-0332	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.80 1.89	3.15



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0333 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.10 1.91	3.15
22 07 19 00-0334 LF 2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.30 1.92	3.21
22 07 19 00-0335 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.60 1.94	3.21
22 07 19 00-0336 LF 3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.27 1.95	3.25
22 07 19 00-0337 LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.06 1.98	3.30
22 07 19 00-0338 LF 4" IPS (4-1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.94 1.99	3.32
22 07 19 00-0339 1/2" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0320)		
22 07 19 00-0340 LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.40 1.81	3.01
22 07 19 00-0341 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.52 1.82	3.01
22 07 19 00-0342 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.66 1.84	3.06
22 07 19 00-0343 LF 5/8" I.D. (3/4" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.88 1.85	3.06
22 07 19 00-0344 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.04 1.85	3.06
22 07 19 00-0345 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.42 1.89	3.15
22 07 19 00-0346 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.80 1.92	3.21
22 07 19 00-0347 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.12 1.95	3.25
22 07 19 00-0348 LF 1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.48 1.97	3.28
22 07 19 00-0349 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.77 1.98	3.30
22 07 19 00-0350 LF 2" IPS (2-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.90 2.01	3.35
22 07 19 00-0351 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.57 2.04	3.40
22 07 19 00-0352 LF 2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.07 2.05	3.43
22 07 19 00-0353 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.49 2.07	3.44
22 07 19 00-0354 LF 3" IPS (3-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.80 2.08	3.47
22 07 19 00-0355 LF 3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.06 2.09	3.49
22 07 19 00-0356 LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.36 2.12	3.54
22 07 19 00-0357 LF 4" IPS (4-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.66 2.14	3.56
22 07 19 00-0358 LF 5" I.D. (5-9/16" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.96 2.15	3.59
22 07 19 00-0359 LF 6" IPS (6-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	17.43 2.21	3.68
22 07 19 00-0360 LF 8" IPS (8-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	19.07 2.27	3.78
22 07 19 00-0361 3/4" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0320)		
22 07 19 00-0362 LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.72 1.95	3.25
22 07 19 00-0363 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.01 1.98	3.30
22 07 19 00-0364 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.42 2.04	3.40
22 07 19 00-0365 LF 5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.68 2.05	3.43
22 07 19 00-0366 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.80 2.07	3.44
22 07 19 00-0367 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.44 2.12	3.54
22 07 19 00-0368 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.97 2.15	3.59
22 07 19 00-0369 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.51 2.18	3.64
22 07 19 00-0370 LF 1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.66 2.18	3.64
22 07 19 00-0371 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.87 2.20	3.66
22 07 19 00-0372 LF 2" IPS (2-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.54 2.21	3.68
22 07 19 00-0373 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.87 2.24	3.73



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0374 LF 2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.63 2.25	3.76
22 07 19 00-0375 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.16 2.27	3.78
22 07 19 00-0376 LF 3" IPS (3-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.96 2.29	3.81
22 07 19 00-0377 LF 3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.27 2.30	3.83
22 07 19 00-0378 LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	16.47 2.33	3.88
22 07 19 00-0379 LF 4" IPS (4-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	17.46 2.34	3.90
22 07 19 00-0380 LF 5" IPS (5-9/16" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	19.10 2.36	3.92
22 07 19 00-0381 LF 6" IPS (6-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	20.83 2.39	3.98
22 07 19 00-0382 LF 8" IPS (8-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	22.89 2.45	4.07
22 07 19 00-0383 1" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0320)		
22 07 19 00-0384 LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.42 2.15	3.58
22 07 19 00-0385 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.79 2.18	3.64
22 07 19 00-0386 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.23 2.24	3.73
22 07 19 00-0387 LF 5/8" I.D. (3/4" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.65 2.25	3.76
22 07 19 00-0388 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	12.02 2.27	3.78
22 07 19 00-0389 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.60 2.33	3.88
22 07 19 00-0390 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.56 2.39	3.98
22 07 19 00-0391 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.06 2.42	3.98
22 07 19 00-0392 LF 1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.75 2.43	4.02
22 07 19 00-0393 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.99 2.45	4.07
22 07 19 00-0394 LF 2" IPS (2-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	16.49 2.48	4.12
22 07 19 00-0395 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	17.65 2.50	4.17
22 07 19 00-0396 LF 2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	19.15 2.52	4.20
22 07 19 00-0397 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	19.57 2.53	4.23
22 07 19 00-0398 LF 3" IPS (3-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	20.35 2.55	4.25
22 07 19 00-0399 LF 3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	20.72 2.56	4.27
22 07 19 00-0400 LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	23.56 2.62	4.37
22 07 19 00-0401 LF 4" IPS (4-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	25.47 2.65	4.42
22 07 19 00-0402 LF 5" IPS (5-9/16" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	28.34 2.68	4.46
22 07 19 00-0403 LF 6" IPS (6-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	31.34 2.73	4.57
22 07 19 00-0404 1-1/2" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0320)		
22 07 19 00-0405 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	17.28 2.41	4.01
22 07 19 00-0406 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	17.73 2.47	4.10
22 07 19 00-0407 LF 5/8" I.D. (3/4" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	18.16 2.48	4.12
22 07 19 00-0408 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	18.59 2.49	4.16
22 07 19 00-0409 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	19.13 2.55	4.26
22 07 19 00-0410 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	20.02 2.64	4.42
22 07 19 00-0411 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	21.42 2.67	4.35
22 07 19 00-0412 LF 1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	22.62 2.70	4.46
22 07 19 00-0413 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	23.34 2.73	4.57
22 07 19 00-0414 LF 2" IPS (2-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	25.70 2.76	4.62



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0415 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	27.94	4.68
<i>For Work In Restricted Working Space, Add</i>	2.79	
22 07 19 00-0416 LF 2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	28.99	4.69
<i>For Work In Restricted Working Space, Add</i>	2.81	
22 07 19 00-0417 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	30.02	4.70
<i>For Work In Restricted Working Space, Add</i>	2.83	
22 07 19 00-0418 LF 3" IPS (3-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	31.25	4.73
<i>For Work In Restricted Working Space, Add</i>	2.84	
22 07 19 00-0419 LF 3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	32.02	4.75
<i>For Work In Restricted Working Space, Add</i>	2.85	
22 07 19 00-0420 LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	36.14	4.92
<i>For Work In Restricted Working Space, Add</i>	2.95	
22 07 19 00-0421 LF 4" IPS (4-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	38.35	5.00
<i>For Work In Restricted Working Space, Add</i>	2.99	
22 07 19 00-0422 LF 5" IPS (5-9/16" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	43.78	5.07
<i>For Work In Restricted Working Space, Add</i>	3.04	
22 07 19 00-0423 LF 6" IPS (6-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	49.13	5.23
<i>For Work In Restricted Working Space, Add</i>	3.13	
22 07 19 00-0424 2" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0320)		
22 07 19 00-0425 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	26.27	4.44
<i>For Work In Restricted Working Space, Add</i>	2.66	
22 07 19 00-0426 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	27.40	4.50
<i>For Work In Restricted Working Space, Add</i>	2.72	
22 07 19 00-0427 LF 5/8" I.D. (3/4" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	29.43	4.54
<i>For Work In Restricted Working Space, Add</i>	2.72	
22 07 19 00-0428 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	30.12	4.57
<i>For Work In Restricted Working Space, Add</i>	2.73	
22 07 19 00-0429 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	31.78	4.67
<i>For Work In Restricted Working Space, Add</i>	2.79	
22 07 19 00-0430 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	33.72	4.89
<i>For Work In Restricted Working Space, Add</i>	2.93	
22 07 19 00-0431 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	34.95	4.77
<i>For Work In Restricted Working Space, Add</i>	2.95	
22 07 19 00-0432 LF 1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	37.11	4.93
<i>For Work In Restricted Working Space, Add</i>	3.00	
22 07 19 00-0433 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	39.18	5.10
<i>For Work In Restricted Working Space, Add</i>	3.06	
22 07 19 00-0434 LF 2" IPS (2-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	40.59	5.16
<i>For Work In Restricted Working Space, Add</i>	3.09	
22 07 19 00-0435 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	43.51	5.23
<i>For Work In Restricted Working Space, Add</i>	3.12	
22 07 19 00-0436 LF 2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	43.84	5.24
<i>For Work In Restricted Working Space, Add</i>	3.14	
22 07 19 00-0437 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	46.59	5.24
<i>For Work In Restricted Working Space, Add</i>	3.15	
22 07 19 00-0438 LF 3" IPS (3-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	48.49	5.26
<i>For Work In Restricted Working Space, Add</i>	3.16	
22 07 19 00-0439 LF 3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	50.53	5.29
<i>For Work In Restricted Working Space, Add</i>	3.17	
22 07 19 00-0440 LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	57.16	5.54
<i>For Work In Restricted Working Space, Add</i>	3.32	
22 07 19 00-0441 LF 4" IPS (4-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	61.01	5.65
<i>For Work In Restricted Working Space, Add</i>	3.39	
22 07 19 00-0442 LF 5" IPS (5-9/16" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	62.09	5.76
<i>For Work In Restricted Working Space, Add</i>	3.46	
22 07 19 00-0443 LF 6" IPS (6-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	70.12	6.00
<i>For Work In Restricted Working Space, Add</i>	3.59	
22 07 19 00-0444 Flexible Polyolefin Tubing Closed Cell Foam Insulation (22 07 19)		
Note: UV stabilized, work temperature (-110 degree F to +210 degree F) 0 water vapor transmission. No additional LF for fittings required.		
22 07 19 00-0445 3/8" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0444)		
22 07 19 00-0446 LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	6.02	2.77
<i>For Work In Restricted Working Space, Add</i>	1.66	
22 07 19 00-0447 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	6.10	2.77
<i>For Work In Restricted Working Space, Add</i>	1.66	
22 07 19 00-0448 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	6.32	2.87
<i>For Work In Restricted Working Space, Add</i>	1.72	
22 07 19 00-0449 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	6.61	2.96
<i>For Work In Restricted Working Space, Add</i>	1.78	
22 07 19 00-0450 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	6.80	3.01
<i>For Work In Restricted Working Space, Add</i>	1.81	
22 07 19 00-0451 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	7.13	3.06
<i>For Work In Restricted Working Space, Add</i>	1.84	
22 07 19 00-0452 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	7.38	3.06
<i>For Work In Restricted Working Space, Add</i>	1.85	
22 07 19 00-0453 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	7.56	3.15
<i>For Work In Restricted Working Space, Add</i>	1.85	
22 07 19 00-0454 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	8.37	3.15
<i>For Work In Restricted Working Space, Add</i>	1.91	

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0455	LF	3"	1/2" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.09 1.94	3.21
22 07 19 00-0456	LF	4"	1/2" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.96 1.98	3.30
22 07 19 00-0457			1/2" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0444)		
22 07 19 00-0458	LF	1/4"	1/2" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	6.78 1.81	3.01
22 07 19 00-0459	LF	3/8"	1/2" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	6.84 1.82	3.01
22 07 19 00-0460	LF	1/2"	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	6.99 1.84	3.06
22 07 19 00-0461	LF	3/4"	1/2" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.19 1.85	3.06
22 07 19 00-0462	LF	1"	1/2" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.43 1.89	3.15
22 07 19 00-0463	LF	1-1/4"	1/2" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.79 1.92	3.21
22 07 19 00-0464	LF	1-1/2"	1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.18 1.95	3.25
22 07 19 00-0465	LF	2"	1/2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.57 1.98	3.30
22 07 19 00-0466	LF	2-1/2"	1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.43 2.04	3.40
22 07 19 00-0467	LF	3"	1/2" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.20 2.07	3.44
22 07 19 00-0468	LF	4"	1/2" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.67 2.12	3.54
22 07 19 00-0469			3/4" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0444)		
22 07 19 00-0470	LF	1/4"	3/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.64 1.95	3.25
22 07 19 00-0471	LF	3/8"	3/4" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.92 1.98	3.30
22 07 19 00-0472	LF	1/2"	3/4" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.24 2.04	3.40
22 07 19 00-0473	LF	3/4"	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.77 2.07	3.44
22 07 19 00-0474	LF	1"	3/4" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.25 2.12	3.54
22 07 19 00-0475	LF	1-1/4"	3/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.10 2.15	3.59
22 07 19 00-0476	LF	1-1/2"	3/4" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.67 2.17	3.59
22 07 19 00-0477	LF	2"	3/4" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.30 2.18	3.64
22 07 19 00-0478	LF	2-1/2"	3/4" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	12.53 2.24	3.73
22 07 19 00-0479	LF	3"	3/4" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	13.65 2.27	3.78
22 07 19 00-0480	LF	4"	3/4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	15.79 2.33	3.88
22 07 19 00-0481			1" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0444)		
22 07 19 00-0482	LF	1/4"	1" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.16 2.15	3.59
22 07 19 00-0483	LF	3/8"	1" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.31 2.18	3.64
22 07 19 00-0484	LF	1/2"	1" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.64 2.24	3.73
22 07 19 00-0485	LF	3/4"	1" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.40 2.27	3.78
22 07 19 00-0486	LF	1"	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.03 2.33	3.88
22 07 19 00-0487	LF	1-1/4"	1" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.66 2.39	3.98
22 07 19 00-0488	LF	1-1/2"	1" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	12.30 2.42	3.98
22 07 19 00-0489	LF	2"	1" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	13.72 2.45	4.07
22 07 19 00-0490	LF	2-1/2"	1" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	15.61 2.50	4.17
22 07 19 00-0491	LF	3"	1" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	16.97 2.53	4.23
22 07 19 00-0492			Flexible Elastomeric Unicellular Insulation (22 07 19) Note: For refrigeration piping.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0493 LF 1/2" Pipe, (5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover.....	6.72	3.06
<i>For Work In Restricted Working Space, Add</i>	1.84	
<i>For 3/8" Thick Covering, Deduct</i>	-0.58	
<i>For 3/4" Thick Covering, Add</i>	1.06	
<i>For 1" Thick Covering, Add</i>	2.03	
22 07 19 00-0494 LF 3/4" Pipe, (7/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover.....	6.87	3.06
<i>For Work In Restricted Working Space, Add</i>	1.85	
<i>For 3/8" Thick Covering, Deduct</i>	-0.61	
<i>For 3/4" Thick Covering, Add</i>	1.15	
<i>For 1" Thick Covering, Add</i>	2.19	
22 07 19 00-0495 LF 1" Pipe, (1-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	7.08	3.15
<i>For Work In Restricted Working Space, Add</i>	1.89	
<i>For 3/8" Thick Covering, Deduct</i>	-0.63	
<i>For 3/4" Thick Covering, Add</i>	1.21	
<i>For 1" Thick Covering, Add</i>	2.30	
22 07 19 00-0496 LF 1-1/4" Pipe, (1-3/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	7.36	3.21
<i>For Work In Restricted Working Space, Add</i>	1.92	
<i>For 3/8" Thick Covering, Deduct</i>	-0.69	
<i>For 3/4" Thick Covering, Add</i>	1.36	
<i>For 1" Thick Covering, Add</i>	2.58	
22 07 19 00-0497 LF 1-1/2" Pipe, (1-5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	7.65	3.25
<i>For Work In Restricted Working Space, Add</i>	1.95	
<i>For 3/8" Thick Covering, Deduct</i>	-0.74	
<i>For 3/4" Thick Covering, Add</i>	1.51	
<i>For 1" Thick Covering, Add</i>	2.85	
22 07 19 00-0498 LF 2" Pipe, (2-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	7.95	3.30
<i>For Work In Restricted Working Space, Add</i>	1.98	
<i>For 3/8" Thick Covering, Deduct</i>	-0.80	
<i>For 3/4" Thick Covering, Add</i>	1.67	
<i>For 1" Thick Covering, Add</i>	3.14	
22 07 19 00-0499 LF 2-1/2" Pipe, (2-5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	8.62	3.40
<i>For Work In Restricted Working Space, Add</i>	2.04	
<i>For 3/8" Thick Covering, Deduct</i>	-0.93	
<i>For 3/4" Thick Covering, Add</i>	2.05	
<i>For 1" Thick Covering, Add</i>	3.83	
22 07 19 00-0500 LF 3" Pipe, (3-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	9.17	3.44
<i>For Work In Restricted Working Space, Add</i>	2.07	
<i>For 3/8" Thick Covering, Deduct</i>	-1.05	
<i>For 3/4" Thick Covering, Add</i>	2.40	
<i>For 1" Thick Covering, Add</i>	4.46	
22 07 19 00-0501 LF 3-1/2" Pipe, (3-5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	9.70	3.49
<i>For Work In Restricted Working Space, Add</i>	2.09	
<i>For 3/8" Thick Covering, Deduct</i>	-1.17	
<i>For 3/4" Thick Covering, Add</i>	2.74	
<i>For 1" Thick Covering, Add</i>	5.07	
22 07 19 00-0502 LF 4" Pipe, (4-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	10.24	3.54
<i>For Work In Restricted Working Space, Add</i>	2.12	
<i>For 3/8" Thick Covering, Deduct</i>	-1.29	
<i>For 3/4" Thick Covering, Add</i>	3.08	
<i>For 1" Thick Covering, Add</i>	5.68	
 22 07 19 00-0503 Insulation Foam Rubber <small>(22 07 19)</small>		
22 07 19 00-0504 Covering 4x6 Sheet <small>(22 07 19 00-0503)</small>		
22 07 19 00-0505 SF 1" Thick Foam Rubber Sheet Insulation	17.50	6.56
 22 07 19 00-0506 Insulation Protective Jacketing <small>(22 07 19)</small>		
Note: Jacketing only and must be added to insulation prices.		
22 07 19 00-0507 Aluminum Insulation Protective Jacketing With Bands <small>(22 07 19 00-0506)</small>		
22 07 19 00-0508 Aluminum Roll, Insulation Protective Jacketing With Bands <small>(22 07 19 00-0507)</small>		
22 07 19 00-0509 SF 0.006" Aluminum Insulation Jacket With Bands.....	13.76	5.92
22 07 19 00-0510 SF 0.010" Aluminum Insulation Jacket With Bands.....	13.95	5.92
22 07 19 00-0511 SF 0.016" Aluminum Insulation Jacket With Bands.....	14.13	5.92
22 07 19 00-0512 SF 0.020" Aluminum Insulation Jacket With Bands.....	14.30	5.92
22 07 19 00-0513 SF 0.024" Aluminum Insulation Jacket With Bands.....	14.45	5.92
 22 07 19 00-0514 16 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands <small>(22 07 19 00-0507)</small>		
22 07 19 00-0515 LF 1/2" ID, 0.016" Aluminum Insulation Jacketing	7.01	1.68
<i>For Stucco Embossed, Add</i>	0.00	
<i>For Corrugated, Add</i>	0.01	
22 07 19 00-0516 LF 3/4" ID, 0.016" Aluminum Insulation Jacketing	7.25	1.72
<i>For Stucco Embossed, Add</i>	0.00	
<i>For Corrugated, Add</i>	0.01	
22 07 19 00-0517 LF 1" ID, 0.016" Aluminum Insulation Jacketing	7.49	1.76
<i>For Stucco Embossed, Add</i>	0.00	
<i>For Corrugated, Add</i>	0.01	
22 07 19 00-0518 LF 1-1/4" ID, 0.016" Aluminum Insulation Jacketing	7.76	1.80
<i>For Stucco Embossed, Add</i>	0.01	
<i>For Corrugated, Add</i>	0.01	

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0519 LF 1-1/2" ID, 0.016" Aluminum Insulation Jacketing	7.94	1.83
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.02	
22 07 19 00-0520 LF 1-3/4" ID, 0.016" Aluminum Insulation Jacketing	8.14	1.86
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.02	
22 07 19 00-0521 LF 2" ID, 0.016" Aluminum Insulation Jacketing	8.38	1.89
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.02	
22 07 19 00-0522 LF 2-1/4" ID, 0.016" Aluminum Insulation Jacketing	8.63	1.93
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.02	
22 07 19 00-0523 LF 2-1/2" ID, 0.016" Aluminum Insulation Jacketing	8.90	1.97
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.02	
22 07 19 00-0524 LF 2-3/4" ID, 0.016" Aluminum Insulation Jacketing	9.11	2.01
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.03	
22 07 19 00-0525 LF 3" ID, 0.016" Aluminum Insulation Jacketing	9.38	2.05
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.03	
22 07 19 00-0526 LF 3-1/4" ID, 0.016" Aluminum Insulation Jacketing	9.66	2.10
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.03	
22 07 19 00-0527 LF 3-1/2" ID, 0.016" Aluminum Insulation Jacketing	9.93	2.15
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.03	
22 07 19 00-0528 LF 3-3/4" ID, 0.016" Aluminum Insulation Jacketing	10.17	2.18
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.04	
22 07 19 00-0529 LF 4" ID, 0.016" Aluminum Insulation Jacketing	10.47	2.24
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.04	
22 07 19 00-0530 LF 4-1/4" ID, 0.016" Aluminum Insulation Jacketing	10.77	2.29
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.04	
22 07 19 00-0531 LF 4-1/2" ID, 0.016" Aluminum Insulation Jacketing	11.12	2.35
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.04	
22 07 19 00-0532 LF 4-3/4" ID, 0.016" Aluminum Insulation Jacketing	11.39	2.39
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.04	
22 07 19 00-0533 LF 5" ID, 0.016" Aluminum Insulation Jacketing	11.72	2.46
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.05	
22 07 19 00-0534 LF 5-1/4" ID, 0.016" Aluminum Insulation Jacketing	12.08	2.54
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.05	
22 07 19 00-0535 LF 5-1/2" ID, 0.016" Aluminum Insulation Jacketing	12.37	2.59
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.05	
22 07 19 00-0536 LF 5-3/4" ID, 0.016" Aluminum Insulation Jacketing	12.77	2.66
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.05	
22 07 19 00-0537 LF 6" ID, 0.016" Aluminum Insulation Jacketing	13.17	2.74
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.06	
22 07 19 00-0538 LF 6-1/4" ID, 0.016" Aluminum Insulation Jacketing	13.42	2.78
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.06	
22 07 19 00-0539 LF 6-1/2" ID, 0.016" Aluminum Insulation Jacketing	13.68	2.82
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.06	
22 07 19 00-0540 LF 7" ID, 0.016" Aluminum Insulation Jacketing	14.11	2.89
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.06	
22 07 19 00-0541 LF 7-1/4" ID, 0.016" Aluminum Insulation Jacketing	14.47	2.96
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.07	
22 07 19 00-0542 LF 7-1/2" ID, 0.016" Aluminum Insulation Jacketing	14.74	3.01
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.07	
22 07 19 00-0543 LF 8" ID, 0.016" Aluminum Insulation Jacketing	15.12	3.06
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.07	
22 07 19 00-0544 LF 8-1/2" ID, 0.016" Aluminum Insulation Jacketing	15.49	3.11
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.08	
22 07 19 00-0545 LF 9" ID, 0.016" Aluminum Insulation Jacketing	15.99	3.19
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.08	
22 07 19 00-0546 LF 9-1/2" ID, 0.016" Aluminum Insulation Jacketing	16.40	3.24
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0547 LF 10" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.80 0.04 0.09	3.30
22 07 19 00-0548 LF 10-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.21 0.04 0.09	3.36
22 07 19 00-0549 LF 11" ID, 0.0106 Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.76 0.04 0.10	3.45
22 07 19 00-0550 LF 11-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.20 0.04 0.10	3.52
22 07 19 00-0551 LF 12" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.65 0.04 0.11	3.59
22 07 19 00-0552 LF 12-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.26 0.04 0.11	3.69
22 07 19 00-0553 LF 13" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.58 0.05 0.12	3.73
22 07 19 00-0554 LF 14" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.08 0.05 0.13	3.77
22 07 19 00-0555 LF 15" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.74 0.05 0.13	3.85
22 07 19 00-0556 LF 16" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.25 0.06 0.14	3.89
22 07 19 00-0557 LF 17" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.93 0.06 0.15	3.97
22 07 19 00-0558 LF 18" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.35 0.06 0.16	4.01
22 07 19 00-0559 LF 19" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.17 0.07 0.17	4.10
22 07 19 00-0560 LF 20" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.71 0.07 0.18	4.15
22 07 19 00-0561 LF 21" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.42 0.07 0.19	4.25
22 07 19 00-0562 LF 22" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.97 0.08 0.19	4.30
22 07 19 00-0563 LF 23" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.73 0.08 0.20	4.40
22 07 19 00-0564 LF 24" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.30 0.08 0.21	4.45
22 07 19 00-0565 20 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands <small>(22 07 19 00-0507)</small>		
22 07 19 00-0566 LF 1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	7.75 0.00 0.01	1.85
22 07 19 00-0567 LF 3/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	8.04 0.00 0.01	1.89
22 07 19 00-0568 LF 1" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	8.33 0.01 0.01	1.93
22 07 19 00-0569 LF 1-1/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	8.63 0.01 0.02	1.98
22 07 19 00-0570 LF 1-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	8.86 0.01 0.02	2.01
22 07 19 00-0571 LF 1-3/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.09 0.01 0.02	2.04
22 07 19 00-0572 LF 2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.36 0.01 0.03	2.08
22 07 19 00-0573 LF 2-1/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.64 0.01 0.03	2.13
22 07 19 00-0574 LF 2-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.95 0.01 0.03	2.17

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0575	LF		2-3/4" ID, 0.020" Aluminum Insulation Jacketing	10.20	2.21
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.03	
22 07 19 00-0576	LF		3" ID, 0.020" Aluminum Insulation Jacketing.....	10.52	2.25
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.04	
22 07 19 00-0577	LF		3-1/4" ID, 0.020" Aluminum Insulation Jacketing	10.83	2.31
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.04	
22 07 19 00-0578	LF		3-1/2" ID, 0.020" Aluminum Insulation Jacketing	11.16	2.36
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.04	
22 07 19 00-0579	LF		3-3/4" ID, 0.020" Aluminum Insulation Jacketing	11.44	2.40
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.05	
22 07 19 00-0580	LF		4" ID, 0.020" Aluminum Insulation Jacketing.....	11.78	2.46
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.05	
22 07 19 00-0581	LF		4-1/4" ID, 0.020" Aluminum Insulation Jacketing	12.14	2.53
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.05	
22 07 19 00-0582	LF		4-1/2" ID, 0.020" Aluminum Insulation Jacketing	12.51	2.59
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.05	
22 07 19 00-0583	LF		4-3/4" ID, 0.020" Aluminum Insulation Jacketing	12.82	2.64
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.06	
22 07 19 00-0584	LF		5" ID, 0.020" Aluminum Insulation Jacketing.....	13.21	2.71
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.06	
22 07 19 00-0585	LF		5-1/4" ID, 0.020" Aluminum Insulation Jacketing	13.63	2.79
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.06	
22 07 19 00-0586	LF		5-1/2" ID, 0.020" Aluminum Insulation Jacketing	13.97	2.84
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.07	
22 07 19 00-0587	LF		5-3/4" ID, 0.020" Aluminum Insulation Jacketing	14.41	2.93
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.07	
22 07 19 00-0588	LF		6" ID, 0.020" Aluminum Insulation Jacketing.....	14.87	3.01
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.07	
22 07 19 00-0589	LF		6-1/4" ID, 0.020" Aluminum Insulation Jacketing	15.16	3.06
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.07	
22 07 19 00-0590	LF		6-1/2" ID, 0.020" Aluminum Insulation Jacketing	15.45	3.10
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.08	
22 07 19 00-0591	LF		7" ID, 0.020" Aluminum Insulation Jacketing.....	15.95	3.18
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.08	
22 07 19 00-0592	LF		7-1/4" ID, 0.020" Aluminum Insulation Jacketing	16.37	3.25
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.08	
22 07 19 00-0593	LF		7-1/2" ID, 0.020" Aluminum Insulation Jacketing	16.69	3.30
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.09	
22 07 19 00-0594	LF		8" ID, 0.020" Aluminum Insulation Jacketing.....	17.13	3.36
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.09	
22 07 19 00-0595	LF		8-1/2" ID, 0.020" Aluminum Insulation Jacketing	17.57	3.41
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.10	
22 07 19 00-0596	LF		9" ID, 0.020" Aluminum Insulation Jacketing.....	18.14	3.50
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.10	
22 07 19 00-0597	LF		9-1/2" ID, 0.020" Aluminum Insulation Jacketing	18.61	3.56
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.11	
22 07 19 00-0598	LF		10" ID, 0.020" Aluminum Insulation Jacketing.....	19.10	3.63
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.11	
22 07 19 00-0599	LF		10-1/2" ID, 0.020" Aluminum Insulation Jacketing	19.58	3.69
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.12	
22 07 19 00-0600	LF		11" ID, 0.0106 Aluminum Insulation Jacketing.....	20.20	3.80
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.13	
22 07 19 00-0601	LF		11-1/2" ID, 0.020" Aluminum Insulation Jacketing	20.73	3.87
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.13	
22 07 19 00-0602	LF		12" ID, 0.020" Aluminum Insulation Jacketing.....	21.25	3.94
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0603 LF 12-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.94 0.06 0.14	4.06
22 07 19 00-0604 LF 13" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.32 0.06 0.15	4.10
22 07 19 00-0605 LF 14" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.94 0.06 0.16	4.14
22 07 19 00-0606 LF 15" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.72 0.07 0.17	4.24
22 07 19 00-0607 LF 16" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.35 0.07 0.18	4.28
22 07 19 00-0608 LF 17" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.15 0.08 0.19	4.37
22 07 19 00-0609 LF 18" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.64 0.08 0.20	4.42
22 07 19 00-0610 LF 19" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.63 0.09 0.21	4.52
22 07 19 00-0611 LF 20" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	27.29 0.09 0.23	4.57
22 07 19 00-0612 LF 21" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.13 0.09 0.24	4.67
22 07 19 00-0613 LF 22" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.79 0.10 0.25	4.73
22 07 19 00-0614 LF 23" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	29.69 0.10 0.26	4.84
22 07 19 00-0615 LF 24" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	30.37 0.11 0.27	4.90
22 07 19 00-0616 24 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0507)		
22 07 19 00-0617 LF 1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	8.50 0.00 0.01	2.01
22 07 19 00-0618 LF 3/4" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	8.82 0.01 0.01	2.06
22 07 19 00-0619 LF 1" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.14 0.01 0.02	2.11
22 07 19 00-0620 LF 1-1/4" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.48 0.01 0.02	2.16
22 07 19 00-0621 LF 1-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.74 0.01 0.02	2.19
22 07 19 00-0622 LF 1-3/4" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.01 0.01 0.03	2.22
22 07 19 00-0623 LF 2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.32 0.01 0.03	2.27
22 07 19 00-0624 LF 2-1/4" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.65 0.01 0.03	2.32
22 07 19 00-0625 LF 2-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.99 0.02 0.04	2.37
22 07 19 00-0626 LF 2-3/4" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.28 0.02 0.04	2.41
22 07 19 00-0627 LF 3" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.63 0.02 0.04	2.46
22 07 19 00-0628 LF 3-1/4" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.99 0.02 0.05	2.52
22 07 19 00-0629 LF 3-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.35 0.02 0.05	2.58
22 07 19 00-0630 LF 3-3/4" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.66 0.02 0.05	2.63

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0631 LF 4" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.05 0.02 0.06	2.69
22 07 19 00-0632 LF 4-1/4" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.46 0.02 0.06	2.76
22 07 19 00-0633 LF 4-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.88 0.03 0.06	2.83
22 07 19 00-0634 LF 4-3/4" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.23 0.03 0.07	2.88
22 07 19 00-0635 LF 5" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.67 0.03 0.07	2.96
22 07 19 00-0636 LF 5-1/4" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.12 0.03 0.07	3.04
22 07 19 00-0637 LF 5-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.51 0.03 0.08	3.10
22 07 19 00-0638 LF 5-3/4" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.01 0.03 0.08	3.19
22 07 19 00-0639 LF 6" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.52 0.03 0.08	3.28
22 07 19 00-0640 LF 6-1/4" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.85 0.04 0.09	3.33
22 07 19 00-0641 LF 6-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.19 0.04 0.09	3.38
22 07 19 00-0642 LF 7" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.74 0.04 0.10	3.46
22 07 19 00-0643 LF 7-1/4" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.20 0.04 0.10	3.55
22 07 19 00-0644 LF 7-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.57 0.04 0.10	3.60
22 07 19 00-0645 LF 8" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.09 0.04 0.11	3.66
22 07 19 00-0646 LF 8-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.58 0.05 0.12	3.72
22 07 19 00-0647 LF 9" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.23 0.05 0.12	3.82
22 07 19 00-0648 LF 9-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.77 0.05 0.13	3.89
22 07 19 00-0649 LF 10" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.31 0.05 0.14	3.95
22 07 19 00-0650 LF 10-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.86 0.06 0.14	4.03
22 07 19 00-0651 LF 11" ID, 0.0106 Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.57 0.06 0.15	4.14
22 07 19 00-0652 LF 11-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.17 0.06 0.16	4.23
22 07 19 00-0653 LF 12" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.75 0.07 0.16	4.31
22 07 19 00-0654 LF 12-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.54 0.07 0.17	4.44
22 07 19 00-0655 LF 13" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.98 0.07 0.18	4.48
22 07 19 00-0656 LF 14" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.70 0.08 0.19	4.53
22 07 19 00-0657 LF 15" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.60 0.08 0.20	4.62
22 07 19 00-0658 LF 16" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	27.33 0.09 0.22	4.67



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0659 LF 17" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.25 0.09 0.23	4.77
22 07 19 00-0660 LF 18" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.82 0.10 0.24	4.82
22 07 19 00-0661 LF 19" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	29.96 0.10 0.26	4.93
22 07 19 00-0662 LF 20" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	30.72 0.11 0.27	4.98
22 07 19 00-0663 LF 21" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	31.70 0.11 0.28	5.10
22 07 19 00-0664 LF 22" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	32.46 0.12 0.30	5.15
22 07 19 00-0665 LF 23" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	33.50 0.12 0.31	5.28
22 07 19 00-0666 LF 24" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	34.27 0.13 0.32	5.34
22 07 19 00-0667 32 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands <small>(22 07 19 00-0607)</small>		
22 07 19 00-0668 LF 1/2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.52 0.01 0.01	2.23
22 07 19 00-0669 LF 3/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.91 0.01 0.02	2.28
22 07 19 00-0670 LF 1" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.30 0.01 0.02	2.34
22 07 19 00-0671 LF 1-1/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.71 0.01 0.03	2.39
22 07 19 00-0672 LF 1-1/2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.02 0.01 0.03	2.43
22 07 19 00-0673 LF 1-3/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.35 0.01 0.04	2.46
22 07 19 00-0674 LF 2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.73 0.02 0.04	2.52
22 07 19 00-0675 LF 2-1/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.11 0.02 0.05	2.58
22 07 19 00-0676 LF 2-1/2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.53 0.02 0.05	2.63
22 07 19 00-0677 LF 2-3/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.87 0.02 0.05	2.67
22 07 19 00-0678 LF 3" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.30 0.02 0.06	2.73
22 07 19 00-0679 LF 3-1/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.74 0.03 0.06	2.80
22 07 19 00-0680 LF 3-1/2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.17 0.03 0.07	2.86
22 07 19 00-0681 LF 3-3/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.55 0.03 0.07	2.91
22 07 19 00-0682 LF 4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.00 0.03 0.08	2.98
22 07 19 00-0683 LF 4-1/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.47 0.03 0.08	3.05
22 07 19 00-0684 LF 4-1/2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.98 0.03 0.09	3.13
22 07 19 00-0685 LF 4-3/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.41 0.04 0.09	3.19
22 07 19 00-0686 LF 5" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.92 0.04 0.10	3.28

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0687	LF		5-1/4" ID, 0.032" Aluminum Insulation Jacketing	17.45	3.37
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.10	
22 07 19 00-0688	LF		5-1/2" ID, 0.032" Aluminum Insulation Jacketing	17.91	3.44
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.10	
22 07 19 00-0689	LF		5-3/4" ID, 0.032" Aluminum Insulation Jacketing	18.51	3.53
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.11	
22 07 19 00-0690	LF		6" ID, 0.032" Aluminum Insulation Jacketing.....	19.10	3.64
			<i>For Stucco Embossed, Add</i>	0.05	
			<i>For Corrugated, Add</i>	0.11	
22 07 19 00-0691	LF		6-1/4" ID, 0.032" Aluminum Insulation Jacketing	19.50	3.69
			<i>For Stucco Embossed, Add</i>	0.05	
			<i>For Corrugated, Add</i>	0.12	
22 07 19 00-0692	LF		6-1/2" ID, 0.032" Aluminum Insulation Jacketing	19.89	3.75
			<i>For Stucco Embossed, Add</i>	0.05	
			<i>For Corrugated, Add</i>	0.12	
22 07 19 00-0693	LF		7" ID, 0.032" Aluminum Insulation Jacketing.....	20.57	3.84
			<i>For Stucco Embossed, Add</i>	0.05	
			<i>For Corrugated, Add</i>	0.13	
22 07 19 00-0694	LF		7-1/4" ID, 0.032" Aluminum Insulation Jacketing	21.12	3.93
			<i>For Stucco Embossed, Add</i>	0.05	
			<i>For Corrugated, Add</i>	0.14	
22 07 19 00-0695	LF		7-1/2" ID, 0.032" Aluminum Insulation Jacketing	21.54	3.99
			<i>For Stucco Embossed, Add</i>	0.06	
			<i>For Corrugated, Add</i>	0.14	
22 07 19 00-0696	LF		8" ID, 0.032" Aluminum Insulation Jacketing.....	22.19	4.06
			<i>For Stucco Embossed, Add</i>	0.06	
			<i>For Corrugated, Add</i>	0.15	
22 07 19 00-0697	LF		8-1/2" ID, 0.032" Aluminum Insulation Jacketing	22.80	4.12
			<i>For Stucco Embossed, Add</i>	0.06	
			<i>For Corrugated, Add</i>	0.16	
22 07 19 00-0698	LF		9" ID, 0.032" Aluminum Insulation Jacketing.....	23.57	4.24
			<i>For Stucco Embossed, Add</i>	0.07	
			<i>For Corrugated, Add</i>	0.17	
22 07 19 00-0699	LF		9-1/2" ID, 0.032" Aluminum Insulation Jacketing	24.24	4.31
			<i>For Stucco Embossed, Add</i>	0.07	
			<i>For Corrugated, Add</i>	0.18	
22 07 19 00-0700	LF		10" ID, 0.032" Aluminum Insulation Jacketing.....	24.89	4.39
			<i>For Stucco Embossed, Add</i>	0.07	
			<i>For Corrugated, Add</i>	0.18	
22 07 19 00-0701	LF		10-1/2" ID, 0.032" Aluminum Insulation Jacketing	25.57	4.47
			<i>For Stucco Embossed, Add</i>	0.08	
			<i>For Corrugated, Add</i>	0.19	
22 07 19 00-0702	LF		11" ID, 0.0106 Aluminum Insulation Jacketing.....	26.42	4.59
			<i>For Stucco Embossed, Add</i>	0.08	
			<i>For Corrugated, Add</i>	0.20	
22 07 19 00-0703	LF		11-1/2" ID, 0.032" Aluminum Insulation Jacketing	27.15	4.68
			<i>For Stucco Embossed, Add</i>	0.08	
			<i>For Corrugated, Add</i>	0.21	
22 07 19 00-0704	LF		12" ID, 0.032" Aluminum Insulation Jacketing.....	27.86	4.77
			<i>For Stucco Embossed, Add</i>	0.09	
			<i>For Corrugated, Add</i>	0.22	
22 07 19 00-0705	LF		12-1/2" ID, 0.032" Aluminum Insulation Jacketing	28.79	4.91
			<i>For Stucco Embossed, Add</i>	0.09	
			<i>For Corrugated, Add</i>	0.23	
22 07 19 00-0706	LF		13" ID, 0.032" Aluminum Insulation Jacketing.....	29.33	4.96
			<i>For Stucco Embossed, Add</i>	0.09	
			<i>For Corrugated, Add</i>	0.24	
22 07 19 00-0707	LF		14" ID, 0.032" Aluminum Insulation Jacketing.....	30.26	5.01
			<i>For Stucco Embossed, Add</i>	0.10	
			<i>For Corrugated, Add</i>	0.26	
22 07 19 00-0708	LF		15" ID, 0.032" Aluminum Insulation Jacketing.....	31.38	5.12
			<i>For Stucco Embossed, Add</i>	0.11	
			<i>For Corrugated, Add</i>	0.27	
22 07 19 00-0709	LF		16" ID, 0.032" Aluminum Insulation Jacketing.....	32.32	5.17
			<i>For Stucco Embossed, Add</i>	0.12	
			<i>For Corrugated, Add</i>	0.29	
22 07 19 00-0710	LF		17" ID, 0.032" Aluminum Insulation Jacketing.....	33.47	5.28
			<i>For Stucco Embossed, Add</i>	0.12	
			<i>For Corrugated, Add</i>	0.31	
22 07 19 00-0711	LF		18" ID, 0.032" Aluminum Insulation Jacketing.....	34.19	5.34
			<i>For Stucco Embossed, Add</i>	0.13	
			<i>For Corrugated, Add</i>	0.32	
22 07 19 00-0712	LF		19" ID, 0.032" Aluminum Insulation Jacketing.....	35.60	5.46
			<i>For Stucco Embossed, Add</i>	0.14	
			<i>For Corrugated, Add</i>	0.34	
22 07 19 00-0713	LF		20" ID, 0.032" Aluminum Insulation Jacketing.....	36.56	5.52
			<i>For Stucco Embossed, Add</i>	0.14	
			<i>For Corrugated, Add</i>	0.36	
22 07 19 00-0714	LF		21" ID, 0.032" Aluminum Insulation Jacketing.....	37.78	5.64
			<i>For Stucco Embossed, Add</i>	0.15	
			<i>For Corrugated, Add</i>	0.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0715 LF 22" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	38.75 0.16 0.40	5.71
22 07 19 00-0716 LF 23" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	40.01 0.17 0.42	5.84
22 07 19 00-0717 LF 24" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	41.00 0.17 0.43	5.92
22 07 19 00-0718 40 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands <small>(22 07 19 00-0507)</small>		
22 07 19 00-0719 LF 1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.02 0.01 0.02	2.57
22 07 19 00-0720 LF 3/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.47 0.01 0.02	2.63
22 07 19 00-0721 LF 1" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.94 0.01 0.03	2.70
22 07 19 00-0722 LF 1-1/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.43 0.01 0.04	2.76
22 07 19 00-0723 LF 1-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.82 0.02 0.04	2.80
22 07 19 00-0724 LF 1-3/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.21 0.02 0.05	2.84
22 07 19 00-0725 LF 2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.67 0.02 0.05	2.90
22 07 19 00-0726 LF 2-1/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.13 0.02 0.06	2.96
22 07 19 00-0727 LF 2-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.62 0.03 0.06	3.02
22 07 19 00-0728 LF 2-3/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.04 0.03 0.07	3.07
22 07 19 00-0729 LF 3" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.56 0.03 0.08	3.14
22 07 19 00-0730 LF 3-1/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.07 0.03 0.08	3.21
22 07 19 00-0731 LF 3-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.59 0.03 0.09	3.29
22 07 19 00-0732 LF 3-3/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.04 0.04 0.09	3.34
22 07 19 00-0733 LF 4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.58 0.04 0.10	3.43
22 07 19 00-0734 LF 4-1/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.14 0.04 0.10	3.51
22 07 19 00-0735 LF 4-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.76 0.04 0.11	3.60
22 07 19 00-0736 LF 4-3/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.25 0.05 0.11	3.67
22 07 19 00-0737 LF 5" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.86 0.05 0.12	3.77
22 07 19 00-0738 LF 5-1/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.49 0.05 0.13	3.87
22 07 19 00-0739 LF 5-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.04 0.05 0.13	3.95
22 07 19 00-0740 LF 5-3/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.75 0.05 0.14	4.06
22 07 19 00-0741 LF 6" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.45 0.06 0.14	4.18
22 07 19 00-0742 LF 6-1/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.92 0.06 0.15	4.25

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0743	LF		6-1/2" ID, 0.040" Aluminum Insulation Jacketing	23.40	4.32
			<i>For Stucco Embossed, Add</i>	0.06	
			<i>For Corrugated, Add</i>	0.15	
22 07 19 00-0744	LF		7" ID, 0.040" Aluminum Insulation Jacketing.....	24.21	4.42
			<i>For Stucco Embossed, Add</i>	0.07	
			<i>For Corrugated, Add</i>	0.16	
22 07 19 00-0745	LF		7-1/4" ID, 0.040" Aluminum Insulation Jacketing	24.87	4.53
			<i>For Stucco Embossed, Add</i>	0.07	
			<i>For Corrugated, Add</i>	0.17	
22 07 19 00-0746	LF		7-1/2" ID, 0.040" Aluminum Insulation Jacketing	25.38	4.60
			<i>For Stucco Embossed, Add</i>	0.07	
			<i>For Corrugated, Add</i>	0.18	
22 07 19 00-0747	LF		8" ID, 0.040" Aluminum Insulation Jacketing.....	26.14	4.68
			<i>For Stucco Embossed, Add</i>	0.07	
			<i>For Corrugated, Add</i>	0.19	
22 07 19 00-0748	LF		8-1/2" ID, 0.040" Aluminum Insulation Jacketing	26.88	4.75
			<i>For Stucco Embossed, Add</i>	0.08	
			<i>For Corrugated, Add</i>	0.20	
22 07 19 00-0749	LF		9" ID, 0.040" Aluminum Insulation Jacketing.....	27.81	4.87
			<i>For Stucco Embossed, Add</i>	0.08	
			<i>For Corrugated, Add</i>	0.21	
22 07 19 00-0750	LF		9-1/2" ID, 0.040" Aluminum Insulation Jacketing	28.62	4.96
			<i>For Stucco Embossed, Add</i>	0.09	
			<i>For Corrugated, Add</i>	0.22	
22 07 19 00-0751	LF		10" ID, 0.040" Aluminum Insulation Jacketing.....	29.42	5.05
			<i>For Stucco Embossed, Add</i>	0.09	
			<i>For Corrugated, Add</i>	0.23	
22 07 19 00-0752	LF		10-1/2" ID, 0.040" Aluminum Insulation Jacketing	30.22	5.14
			<i>For Stucco Embossed, Add</i>	0.10	
			<i>For Corrugated, Add</i>	0.24	
22 07 19 00-0753	LF		11" ID, 0.0106 Aluminum Insulation Jacketing.....	31.24	5.28
			<i>For Stucco Embossed, Add</i>	0.10	
			<i>For Corrugated, Add</i>	0.25	
22 07 19 00-0754	LF		11-1/2" ID, 0.040" Aluminum Insulation Jacketing	32.11	5.38
			<i>For Stucco Embossed, Add</i>	0.11	
			<i>For Corrugated, Add</i>	0.26	
22 07 19 00-0755	LF		12" ID, 0.040" Aluminum Insulation Jacketing.....	32.97	5.49
			<i>For Stucco Embossed, Add</i>	0.11	
			<i>For Corrugated, Add</i>	0.28	
22 07 19 00-0756	LF		12-1/2" ID, 0.040" Aluminum Insulation Jacketing	34.06	5.65
			<i>For Stucco Embossed, Add</i>	0.11	
			<i>For Corrugated, Add</i>	0.29	
22 07 19 00-0757	LF		13" ID, 0.040" Aluminum Insulation Jacketing.....	34.74	5.71
			<i>For Stucco Embossed, Add</i>	0.12	
			<i>For Corrugated, Add</i>	0.30	
22 07 19 00-0758	LF		14" ID, 0.040" Aluminum Insulation Jacketing.....	35.88	5.76
			<i>For Stucco Embossed, Add</i>	0.13	
			<i>For Corrugated, Add</i>	0.32	
22 07 19 00-0759	LF		15" ID, 0.040" Aluminum Insulation Jacketing.....	37.24	5.89
			<i>For Stucco Embossed, Add</i>	0.14	
			<i>For Corrugated, Add</i>	0.34	
22 07 19 00-0760	LF		16" ID, 0.040" Aluminum Insulation Jacketing.....	38.40	5.95
			<i>For Stucco Embossed, Add</i>	0.15	
			<i>For Corrugated, Add</i>	0.37	
22 07 19 00-0761	LF		17" ID, 0.040" Aluminum Insulation Jacketing.....	39.79	6.08
			<i>For Stucco Embossed, Add</i>	0.15	
			<i>For Corrugated, Add</i>	0.39	
22 07 19 00-0762	LF		18" ID, 0.040" Aluminum Insulation Jacketing.....	40.66	6.15
			<i>For Stucco Embossed, Add</i>	0.16	
			<i>For Corrugated, Add</i>	0.40	
22 07 19 00-0763	LF		19" ID, 0.040" Aluminum Insulation Jacketing.....	42.39	6.28
			<i>For Stucco Embossed, Add</i>	0.17	
			<i>For Corrugated, Add</i>	0.43	
22 07 19 00-0764	LF		20" ID, 0.040" Aluminum Insulation Jacketing.....	43.58	6.35
			<i>For Stucco Embossed, Add</i>	0.18	
			<i>For Corrugated, Add</i>	0.45	
22 07 19 00-0765	LF		21" ID, 0.040" Aluminum Insulation Jacketing.....	45.04	6.50
			<i>For Stucco Embossed, Add</i>	0.19	
			<i>For Corrugated, Add</i>	0.48	
22 07 19 00-0766	LF		22" ID, 0.040" Aluminum Insulation Jacketing.....	46.23	6.57
			<i>For Stucco Embossed, Add</i>	0.20	
			<i>For Corrugated, Add</i>	0.50	
22 07 19 00-0767	LF		23" ID, 0.040" Aluminum Insulation Jacketing.....	47.77	6.73
			<i>For Stucco Embossed, Add</i>	0.21	
			<i>For Corrugated, Add</i>	0.52	
22 07 19 00-0768	LF		24" ID, 0.040" Aluminum Insulation Jacketing.....	48.97	6.81
			<i>For Stucco Embossed, Add</i>	0.22	
			<i>For Corrugated, Add</i>	0.54	
22 07 19 00-0769			Aluminum Insulation Protective Jacketing For Fittings (22 07 19 00-0507)		
22 07 19 00-0770	EA		1-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	14.92	2.64
22 07 19 00-0771	EA		1-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	15.31	2.74
22 07 19 00-0772	EA		2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	16.87	2.84
22 07 19 00-0773	EA		2-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	17.05	2.89



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0774	EA			2-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	17.23	2.93
22 07 19 00-0775	EA			2-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	17.51	3.01
22 07 19 00-0776	EA			3" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	18.27	3.08
22 07 19 00-0777	EA			3-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	18.59	3.16
22 07 19 00-0778	EA			3-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	19.90	3.21
22 07 19 00-0779	EA			3-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	20.31	3.27
22 07 19 00-0780	EA			4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	20.99	3.36
22 07 19 00-0781	EA			4-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	21.46	3.42
22 07 19 00-0782	EA			4-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	21.72	3.48
22 07 19 00-0783	EA			4-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	21.98	3.55
22 07 19 00-0784	EA			5" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	23.26	3.62
22 07 19 00-0785	EA			5-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	24.89	3.69
22 07 19 00-0786	EA			5-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	27.83	3.81
22 07 19 00-0787	EA			5-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	28.15	3.89
22 07 19 00-0788	EA			6" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	26.82	4.01
22 07 19 00-0789	EA			6-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	27.17	4.10
22 07 19 00-0790	EA			6-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	29.92	4.25
22 07 19 00-0791	EA			7" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	33.09	4.35
22 07 19 00-0792	EA			7-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	33.30	4.40
22 07 19 00-0793	EA			7-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	40.91	4.45
22 07 19 00-0794	EA			8" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	35.24	4.51
22 07 19 00-0795	EA			8-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	50.29	4.62
22 07 19 00-0796	EA			9" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	50.76	4.74
22 07 19 00-0797	EA			9-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	42.60	4.80
22 07 19 00-0798	EA			10" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	42.86	4.86
22 07 19 00-0799	EA			10-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	43.63	4.93
22 07 19 00-0800	EA			11" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	43.89	4.99
22 07 19 00-0801	EA			11-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	47.71	5.13
22 07 19 00-0802	EA			12" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	48.00	5.20
22 07 19 00-0803	EA			12-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	69.81	5.35
22 07 19 00-0804	EA			13" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	70.12	5.43
22 07 19 00-0805	EA			14" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	87.28	5.59
22 07 19 00-0806	EA			15" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	90.93	5.77
22 07 19 00-0807	EA			16" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	97.46	5.86
22 07 19 00-0808	EA			2-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	16.27	2.93
22 07 19 00-0809	EA			2-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	16.55	3.01
22 07 19 00-0810	EA			3" ID, Aluminum 45 Degree Elbow Insulation Jacketing	17.44	3.08
22 07 19 00-0811	EA			3-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	17.76	3.16
22 07 19 00-0812	EA			3-1/2" ID Aluminum 45 Degree Elbow Insulation Jacketing	18.70	3.21
22 07 19 00-0813	EA			3-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	18.93	3.27
22 07 19 00-0814	EA			4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	19.38	3.36
22 07 19 00-0815	EA			4-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	20.47	3.42
22 07 19 00-0816	EA			4-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	20.73	3.48
22 07 19 00-0817	EA			4-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	20.99	3.55
22 07 19 00-0818	EA			5" ID, Aluminum 45 Degree Elbow Insulation Jacketing	22.46	3.62
22 07 19 00-0819	EA			5-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	22.75	3.69
22 07 19 00-0820	EA			5-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	23.59	3.81
22 07 19 00-0821	EA			6" ID, Aluminum 45 Degree Elbow Insulation Jacketing	24.43	4.01
22 07 19 00-0822	EA			6-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	28.52	4.25
22 07 19 00-0823	EA			7" ID, Aluminum 45 Degree Elbow Insulation Jacketing	28.92	4.35
22 07 19 00-0824	EA			7-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	29.46	4.45
22 07 19 00-0825	EA			8" ID, Aluminum 45 Degree Elbow Insulation Jacketing	29.67	4.51
22 07 19 00-0826	EA			8-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	32.96	4.62
22 07 19 00-0827	EA			9" ID, Aluminum 45 Degree Elbow Insulation Jacketing	33.43	4.74
22 07 19 00-0828	EA			9-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	39.31	4.80
22 07 19 00-0829	EA			10" ID, Aluminum 45 Degree Elbow Insulation Jacketing	39.57	4.86
22 07 19 00-0830	EA			10-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	38.53	4.93
22 07 19 00-0831	EA			11" ID, Aluminum 45 Degree Elbow Insulation Jacketing	38.79	4.99
22 07 19 00-0832	EA			11-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	43.12	5.13
22 07 19 00-0833	EA			12" ID, Aluminum 45 Degree Elbow Insulation Jacketing	43.41	5.20
22 07 19 00-0834	EA			13" ID, Aluminum 45 Degree Elbow Insulation Jacketing	48.26	5.43
22 07 19 00-0835	EA			14" ID, Aluminum 45 Degree Elbow Insulation Jacketing	54.94	5.59
22 07 19 00-0836	EA			15" ID, Aluminum 45 Degree Elbow Insulation Jacketing	73.24	5.77
22 07 19 00-0837	EA			16" ID, Aluminum 45 Degree Elbow Insulation Jacketing	77.83	5.86
22 07 19 00-0838	EA			17" ID, Aluminum 45 Degree Elbow Insulation Jacketing	76.92	5.96
22 07 19 00-0839	EA			18" ID, Aluminum 45 Degree Elbow Insulation Jacketing	84.78	6.06
22 07 19 00-0840	EA			19" ID, Aluminum 45 Degree Elbow Insulation Jacketing	98.60	6.16
22 07 19 00-0841	EA			20" ID, Aluminum 45 Degree Elbow Insulation Jacketing	96.59	6.26
22 07 19 00-0842	EA			21" ID, Aluminum 45 Degree Elbow Insulation Jacketing	102.71	6.37
22 07 19 00-0843	EA			2-1/2" ID, Aluminum Tee Insulation Jacketing	47.97	4.19
22 07 19 00-0844	EA			2-3/4" ID, Aluminum Tee Insulation Jacketing	48.36	4.30
22 07 19 00-0845	EA			3" ID, Aluminum Tee Insulation Jacketing	52.81	4.40
22 07 19 00-0846	EA			3-1/4" ID, Aluminum Tee Insulation Jacketing	53.24	4.51
22 07 19 00-0847	EA			3-1/2" ID Aluminum Tee Insulation Jacketing	55.38	4.62
22 07 19 00-0848	EA			4" ID, Aluminum Tee Insulation Jacketing	56.25	4.74
22 07 19 00-0849	EA			4-1/4" ID, Aluminum Tee Insulation Jacketing	58.91	4.86
22 07 19 00-0850	EA			4-1/2" ID, Aluminum Tee Insulation Jacketing	59.11	4.99
22 07 19 00-0851	EA			4-3/4" ID, Aluminum Tee Insulation Jacketing	59.66	5.13
22 07 19 00-0852	EA			5" ID, Aluminum Tee Insulation Jacketing	61.71	5.28
22 07 19 00-0853	EA			5-1/4" ID, Aluminum Tee Insulation Jacketing	62.33	5.43
22 07 19 00-0854	EA			5-1/2" ID, Aluminum Tee Insulation Jacketing	64.79	5.59

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
22 07 19 00-0855	EA	6" ID, Aluminum Tee Insulation Jacketing.....	65.49		5.77
22 07 19 00-0856	EA	6-1/2" ID, Aluminum Tee Insulation Jacketing.....	71.20		6.16
22 07 19 00-0857	EA	7" ID, Aluminum Tee Insulation Jacketing.....	72.05		6.37
22 07 19 00-0858	EA	7-1/2" ID, Aluminum Tee Insulation Jacketing.....	78.18		6.60
22 07 19 00-0859	EA	8" ID, Aluminum Tee Insulation Jacketing.....	79.15		6.84
22 07 19 00-0860	EA	8-1/2" ID, Aluminum Tee Insulation Jacketing.....	81.58		7.10
22 07 19 00-0861	EA	9" ID, Aluminum Tee Insulation Jacketing.....	82.72		7.38
22 07 19 00-0862	EA	9-1/2" ID, Aluminum Tee Insulation Jacketing.....	69.61		7.53
22 07 19 00-0863	EA	10" ID, Aluminum Tee Insulation Jacketing.....	70.23		7.70
22 07 19 00-0864	EA	10-1/2" ID, Aluminum Tee Insulation Jacketing.....	73.46		7.86
22 07 19 00-0865	EA	11" ID, Aluminum Tee Insulation Jacketing.....	74.14		8.03
22 07 19 00-0866	EA	11-1/2" ID, Aluminum Tee Insulation Jacketing.....	77.15		8.21
22 07 19 00-0867	EA	12" ID, Aluminum Tee Insulation Jacketing.....	77.90		8.40
22 07 19 00-0868	EA	13" ID, Aluminum Tee Insulation Jacketing.....	80.88		8.59
22 07 19 00-0869	EA	14" ID, Aluminum Tee Insulation Jacketing.....	83.98		8.79
22 07 19 00-0870	EA	15" ID, Aluminum Tee Insulation Jacketing.....	88.82		9.01
22 07 19 00-0871	EA	16" ID, Aluminum Tee Insulation Jacketing.....	91.04		9.23
22 07 19 00-0872	EA	17" ID, Aluminum Tee Insulation Jacketing.....	100.09		9.48
22 07 19 00-0873	EA	18" ID, Aluminum Tee Insulation Jacketing.....	103.51		9.72
22 07 19 00-0874	EA	19" ID, Aluminum Tee Insulation Jacketing.....	111.41		9.99
22 07 19 00-0875	EA	20" ID, Aluminum Tee Insulation Jacketing.....	114.07		10.26
22 07 19 00-0876	EA	22" ID, Aluminum Tee Insulation Jacketing.....	135.12		10.55
22 07 19 00-0877	EA	23" ID, Aluminum Tee Insulation Jacketing.....	138.94		10.86
22 07 19 00-0878	EA	24" ID, Aluminum Tee Insulation Jacketing.....	145.63		11.92
22 07 19 00-0879		Stainless Steel Insulation Protective Jacketing With Bands (22 07 19 00-0506)			
22 07 19 00-0880		Type 304 Stainless Steel Roll, Insulation Protective Jacketing With Bands (22 07 19 00-0879)			
22 07 19 00-0881	SF	0.010" Stainless Steel Insulation Jacket With Bands.....	17.32		6.93
22 07 19 00-0882	SF	0.016" Stainless Steel Insulation Jacket With Bands.....	21.27		8.31
22 07 19 00-0883		10 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands (22 07 19 00-0879)			
22 07 19 00-0884	LF	2-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	8.96		1.48
22 07 19 00-0885	LF	2-3/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	9.35		1.51
22 07 19 00-0886	LF	3" ID, 0.010" Stainless Steel Insulation Jacketing.....	9.74		1.54
22 07 19 00-0887	LF	3-1/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	10.15		1.57
22 07 19 00-0888	LF	3-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	10.56		1.61
22 07 19 00-0889	LF	3-3/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	10.97		1.64
22 07 19 00-0890	LF	4" ID, 0.010" Stainless Steel Insulation Jacketing.....	11.39		1.68
22 07 19 00-0891	LF	4-1/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	11.81		1.72
22 07 19 00-0892	LF	4-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	12.24		1.76
22 07 19 00-0893	LF	5" ID, 0.010" Stainless Steel Insulation Jacketing.....	13.14		1.85
22 07 19 00-0894	LF	5-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	14.07		1.94
22 07 19 00-0895	LF	6" ID, 0.010" Stainless Steel Insulation Jacketing.....	15.04		2.05
22 07 19 00-0896	LF	6-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	15.81		2.11
22 07 19 00-0897	LF	7" ID, 0.010" Stainless Steel Insulation Jacketing.....	16.61		2.17
22 07 19 00-0898	LF	7-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	17.47		2.25
22 07 19 00-0899	LF	8" ID, 0.010" Stainless Steel Insulation Jacketing.....	18.16		2.29
22 07 19 00-0900	LF	8-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	18.89		2.33
22 07 19 00-0901	LF	9" ID, 0.010" Stainless Steel Insulation Jacketing.....	19.62		2.38
22 07 19 00-0902	LF	9-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	20.34		2.43
22 07 19 00-0903	LF	10" ID, 0.010" Stainless Steel Insulation Jacketing.....	21.08		2.47
22 07 19 00-0904	LF	10-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	21.82		2.54
22 07 19 00-0905	LF	11" ID, 0.010" Stainless Steel Insulation Jacketing.....	22.57		2.59
22 07 19 00-0906	LF	12" ID, 0.010" Stainless Steel Insulation Jacketing.....	24.10		2.70
22 07 19 00-0907	LF	13" ID, 0.010" Stainless Steel Insulation Jacketing.....	25.60		2.80
22 07 19 00-0908	LF	14" ID, 0.010" Stainless Steel Insulation Jacketing.....	26.85		2.84
22 07 19 00-0909		16 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands (22 07 19 00-0879)			
22 07 19 00-0910	LF	2-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	12.27		1.96
22 07 19 00-0911	LF	2-3/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	12.82		2.00
22 07 19 00-0912	LF	3" ID, 0.016" Stainless Steel Insulation Jacketing.....	13.38		2.05
22 07 19 00-0913	LF	3-1/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	13.96		2.09
22 07 19 00-0914	LF	3-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	14.53		2.13
22 07 19 00-0915	LF	3-3/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	15.11		2.18
22 07 19 00-0916	LF	4" ID, 0.016" Stainless Steel Insulation Jacketing.....	15.70		2.23
22 07 19 00-0917	LF	4-1/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	16.30		2.28
22 07 19 00-0918	LF	4-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	16.91		2.34
22 07 19 00-0919	LF	5" ID, 0.016" Stainless Steel Insulation Jacketing.....	18.18		2.45
22 07 19 00-0920	LF	5-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	19.47		2.59
22 07 19 00-0921	LF	6" ID, 0.016" Stainless Steel Insulation Jacketing.....	20.82		2.73
22 07 19 00-0922	LF	6-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	21.92		2.81
22 07 19 00-0923	LF	7" ID, 0.016" Stainless Steel Insulation Jacketing.....	23.04		2.89
22 07 19 00-0924	LF	7-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	24.24		3.00
22 07 19 00-0925	LF	8" ID, 0.016" Stainless Steel Insulation Jacketing.....	25.24		3.05



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0926 LF 8-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	26.26	3.11
22 07 19 00-0927 LF 9" ID, 0.016" Stainless Steel Insulation Jacketing	27.30	3.17
22 07 19 00-0928 LF 9-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	28.33	3.23
22 07 19 00-0929 LF 10" ID, 0.016" Stainless Steel Insulation Jacketing	29.37	3.30
22 07 19 00-0930 LF 10-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	30.43	3.37
22 07 19 00-0931 LF 11" ID, 0.0106 Stainless Steel Insulation Jacketing	31.49	3.44
22 07 19 00-0932 LF 12" ID, 0.016" Stainless Steel Insulation Jacketing	33.66	3.59
22 07 19 00-0933 LF 13" ID, 0.016" Stainless Steel Insulation Jacketing	35.78	3.72
22 07 19 00-0934 LF 14" ID, 0.016" Stainless Steel Insulation Jacketing	37.57	3.78
22 07 19 00-0935	Type 316 Stainless Steel Insulation Protective Jacketing For Fittings <small>(22 07 19 00-0679)</small>	
22 07 19 00-0936 EA 2-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	25.18	2.93
22 07 19 00-0937 EA 2-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	25.46	3.01
22 07 19 00-0938 EA 3" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	26.37	3.08
22 07 19 00-0939 EA 3-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	26.69	3.16
22 07 19 00-0940 EA 3-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	27.62	3.21
22 07 19 00-0941 EA 3-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	28.69	3.27
22 07 19 00-0942 EA 4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	30.59	3.36
22 07 19 00-0943 EA 4-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	36.49	3.42
22 07 19 00-0944 EA 4-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	36.75	3.48
22 07 19 00-0945 EA 5" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	37.82	3.62
22 07 19 00-0946 EA 5-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	50.01	3.81
22 07 19 00-0947 EA 6" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	54.25	4.01
22 07 19 00-0948 EA 6-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	69.53	4.25
22 07 19 00-0949 EA 7" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	69.93	4.35
22 07 19 00-0950 EA 7-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	79.17	4.45
22 07 19 00-0951 EA 8" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	79.83	4.62
22 07 19 00-0952 EA 8-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	81.92	4.62
22 07 19 00-0953 EA 9" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	115.45	4.74
22 07 19 00-0954 EA 9-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	114.02	4.80
22 07 19 00-0955 EA 10" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	114.28	4.86
22 07 19 00-0956 EA 10-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	133.17	4.93
22 07 19 00-0957 EA 11" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	128.28	4.99
22 07 19 00-0958 EA 12" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	143.77	5.20
22 07 19 00-0959 EA 13" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	192.09	5.43
22 07 19 00-0960 EA 14" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	193.90	5.59
22 07 19 00-0961 EA 2-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	22.94	2.93
22 07 19 00-0962 EA 2-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	23.22	3.01
22 07 19 00-0963 EA 3" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	24.37	3.08
22 07 19 00-0964 EA 3-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	24.69	3.16
22 07 19 00-0965 EA 3-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	25.06	3.21
22 07 19 00-0966 EA 3-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	25.29	3.27
22 07 19 00-0967 EA 4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	29.13	3.36
22 07 19 00-0968 EA 4-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	35.71	3.42
22 07 19 00-0969 EA 4-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	35.97	3.48
22 07 19 00-0970 EA 4-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	36.23	3.55
22 07 19 00-0971 EA 5" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	36.90	3.62
22 07 19 00-0972 EA 5-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	37.64	3.81
22 07 19 00-0973 EA 6" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	42.65	4.01
22 07 19 00-0974 EA 6-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	43.56	4.25
22 07 19 00-0975 EA 7" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	62.36	4.35
22 07 19 00-0976 EA 7-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	63.71	4.45
22 07 19 00-0977 EA 8" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	63.92	4.51
22 07 19 00-0978 EA 8-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	72.18	4.62
22 07 19 00-0979 EA 9" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	72.65	4.74
22 07 19 00-0980 EA 9-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	82.25	4.80
22 07 19 00-0981 EA 10" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	82.51	4.86
22 07 19 00-0982 EA 10-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	95.50	4.93
22 07 19 00-0983 EA 11" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	95.76	5.00
22 07 19 00-0984 EA 12" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	103.12	4.99
22 07 19 00-0985 EA 13" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	118.58	5.43
22 07 19 00-0986	Polyvinyl Chloride (PVC) Insulation Protective Jacketing <small>(22 07 19 00-0506)</small>	
22 07 19 00-0987	20 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing <small>(22 07 19 00-0986)</small>	
22 07 19 00-0988 LF 1-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	5.73	1.37
22 07 19 00-0989 LF 2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	6.02	1.42
22 07 19 00-0990 LF 2-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	6.33	1.48
22 07 19 00-0991 LF 3" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	6.65	1.54
22 07 19 00-0992 LF 3-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	6.99	1.61
22 07 19 00-0993 LF 4" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	7.35	1.68
22 07 19 00-0994 LF 4-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	7.74	1.76
22 07 19 00-0995 LF 5" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	8.15	1.85
22 07 19 00-0996 LF 5-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	8.63	1.94
22 07 19 00-0997 LF 6" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.14	2.05
22 07 19 00-0998 LF 6-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.44	2.11
22 07 19 00-0999 LF 7" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.75	2.17
22 07 19 00-1000 LF 7-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	10.16	2.25
22 07 19 00-1001 LF 8" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	10.39	2.29



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 07 19 00-1002	LF	8-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		10.65	2.33
22 07 19 00-1003	LF	9" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		10.91	2.38
22 07 19 00-1004	LF	9-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		11.16	2.43
22 07 19 00-1005	LF	10" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		11.43	2.47
22 07 19 00-1006	LF	10-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		11.70	2.54
22 07 19 00-1007	LF	11" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		11.99	2.59
22 07 19 00-1008	LF	11-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		12.28	2.64
22 07 19 00-1009	LF	12" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		12.58	2.70
22 07 19 00-1010	LF	12-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		12.91	2.76
22 07 19 00-1011	LF	13" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		13.15	2.80
22 07 19 00-1012	LF	13-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		13.22	2.80
22 07 19 00-1013	LF	14" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		13.47	2.84
22 07 19 00-1014	LF	15" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		13.80	2.89
22 07 19 00-1015	LF	16" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		14.12	2.93
22 07 19 00-1016	LF	17" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		14.46	2.98
22 07 19 00-1017	LF	18" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		14.80	3.03
22 07 19 00-1018	LF	19" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		15.14	3.08
22 07 19 00-1019	LF	20" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		15.50	3.13
22 07 19 00-1020	LF	21" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		15.86	3.19
22 07 19 00-1021	LF	22" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		16.24	3.24
22 07 19 00-1022	LF	23" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		16.61	3.30
22 07 19 00-1023	LF	24" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		16.99	3.36
22 07 19 00-1024	LF	25" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		17.39	3.42
22 07 19 00-1025	LF	26" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		17.79	3.48
22 07 19 00-1026	LF	27" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		18.20	3.55
22 07 19 00-1027	LF	28" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		18.63	3.62
22 07 19 00-1028	LF	29" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		19.07	3.69
22 07 19 00-1029	LF	30" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing		19.52	3.77
22 07 19 00-1030	30 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-0986)				
22 07 19 00-1031	LF	2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		6.19	1.42
22 07 19 00-1032	LF	2-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		6.53	1.48
22 07 19 00-1033	LF	3" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		6.89	1.54
22 07 19 00-1034	LF	3-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		7.26	1.61
22 07 19 00-1035	LF	4" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		7.66	1.68
22 07 19 00-1036	LF	4-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		8.07	1.76
22 07 19 00-1037	LF	5" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		8.53	1.85
22 07 19 00-1038	LF	5-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		9.04	1.94
22 07 19 00-1039	LF	6" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		9.58	2.05
22 07 19 00-1040	LF	6-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		9.91	2.11
22 07 19 00-1041	LF	7" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		10.27	2.17
22 07 19 00-1042	LF	7-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		10.71	2.25
22 07 19 00-1043	LF	8" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		10.98	2.29
22 07 19 00-1044	LF	8-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		11.27	2.33
22 07 19 00-1045	LF	9" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		11.56	2.38
22 07 19 00-1046	LF	9-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		11.85	2.43
22 07 19 00-1047	LF	10" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		12.16	2.47
22 07 19 00-1048	LF	10-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		12.47	2.54
22 07 19 00-1049	LF	11" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		12.78	2.59
22 07 19 00-1050	LF	11-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		13.11	2.64
22 07 19 00-1051	LF	12" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		13.45	2.70
22 07 19 00-1052	LF	12-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		13.82	2.76
22 07 19 00-1053	LF	13" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		14.09	2.80
22 07 19 00-1054	LF	13-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		14.20	2.80
22 07 19 00-1055	LF	14" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		14.48	2.84
22 07 19 00-1056	LF	15" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		14.87	2.89
22 07 19 00-1057	LF	16" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		15.27	2.93
22 07 19 00-1058	LF	17" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		15.67	2.98
22 07 19 00-1059	LF	18" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		16.09	3.03
22 07 19 00-1060	LF	19" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		16.51	3.08
22 07 19 00-1061	LF	20" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		16.93	3.13
22 07 19 00-1062	LF	21" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		17.37	3.19
22 07 19 00-1063	LF	22" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		17.81	3.24
22 07 19 00-1064	LF	23" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		18.26	3.30
22 07 19 00-1065	LF	24" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		18.70	3.36
22 07 19 00-1066	LF	25" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		19.18	3.42
22 07 19 00-1067	LF	26" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		19.65	3.48
22 07 19 00-1068	LF	27" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		20.13	3.55
22 07 19 00-1069	LF	28" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		20.63	3.62
22 07 19 00-1070	LF	29" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		21.14	3.69
22 07 19 00-1071	LF	30" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing		21.65	3.77
22 07 19 00-1072	Polyvinyl Chloride (PVC) Insulation Protective Jacketing For Fittings (22 07 19 00-0986)				
22 07 19 00-1073	EA	1-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing		11.53	2.74
22 07 19 00-1074	EA	2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing		12.10	2.84
22 07 19 00-1075	EA	2-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing		12.37	2.89
22 07 19 00-1076	EA	2-1/2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing		12.63	2.93
22 07 19 00-1077	EA	2-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing		12.99	3.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1078 EA 3" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	13.34	3.08
22 07 19 00-1079 EA 3-3/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	13.91	3.19
22 07 19 00-1080 EA 3-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	14.39	3.27
22 07 19 00-1081 EA 4-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	15.09	3.36
22 07 19 00-1082 EA 4-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	16.07	3.52
22 07 19 00-1083 EA 5-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	17.11	3.69
22 07 19 00-1084 EA 5-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	18.63	3.89
22 07 19 00-1085 EA 6-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	21.55	4.10
22 07 19 00-1086 EA 6-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	22.38	4.25
22 07 19 00-1087 EA 7-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	24.15	4.35
22 07 19 00-1088 EA 7-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	24.91	4.45
22 07 19 00-1089 EA 8-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	27.60	4.62
22 07 19 00-1090 EA 9-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	31.39	4.80
22 07 19 00-1091 EA 10-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	33.59	4.99
22 07 19 00-1092 EA 11-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	36.42	5.20
22 07 19 00-1093 EA 12-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	41.44	5.43
22 07 19 00-1094 EA 14-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	44.92	5.59
22 07 19 00-1095 EA 15-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	47.30	5.77
22 07 19 00-1096 EA 16-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	49.88	5.86
22 07 19 00-1097 EA 17-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	53.15	5.96
22 07 19 00-1098 EA 18-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	62.03	6.06
22 07 19 00-1099 EA 19-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	75.97	6.16
22 07 19 00-1100 EA 20-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	91.03	6.26
22 07 19 00-1101 EA 1-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	11.53	2.74
22 07 19 00-1102 EA 2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	12.10	2.84
22 07 19 00-1103 EA 2-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	12.37	2.89
22 07 19 00-1104 EA 2-1/2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	12.63	2.93
22 07 19 00-1105 EA 2-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	12.99	3.01
22 07 19 00-1106 EA 3" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	13.34	3.08
22 07 19 00-1107 EA 3-3/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	13.91	3.19
22 07 19 00-1108 EA 3-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	14.39	3.27
22 07 19 00-1109 EA 4-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	15.09	3.36
22 07 19 00-1110 EA 4-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	16.07	3.52
22 07 19 00-1111 EA 5-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	17.11	3.69
22 07 19 00-1112 EA 5-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	18.63	3.89
22 07 19 00-1113 EA 6-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	21.55	4.10
22 07 19 00-1114 EA 6-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	22.38	4.25
22 07 19 00-1115 EA 7-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	24.15	4.35
22 07 19 00-1116 EA 7-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	24.91	4.45
22 07 19 00-1117 EA 8-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	27.60	4.62
22 07 19 00-1118 EA 9-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	31.39	4.80
22 07 19 00-1119 EA 10-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	33.58	4.99
22 07 19 00-1120 EA 11-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	35.82	5.20
22 07 19 00-1121 EA 12-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	38.48	5.43
22 07 19 00-1122 EA 14-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	41.53	5.59
22 07 19 00-1123 EA 15-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	43.63	5.77
22 07 19 00-1124 EA 16-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	46.91	5.86
22 07 19 00-1125 EA 17-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	50.24	5.96
22 07 19 00-1126 EA 18-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	56.49	6.06
22 07 19 00-1127 EA 19-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	68.65	6.16
22 07 19 00-1128 EA 20-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	74.91	6.26
22 07 19 00-1129 EA 1-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	16.51	3.85
22 07 19 00-1130 EA 2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	16.99	3.93
22 07 19 00-1131 EA 2-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	17.62	4.06
22 07 19 00-1132 EA 2-1/2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	18.30	4.19
22 07 19 00-1133 EA 2-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	19.04	4.35
22 07 19 00-1134 EA 3" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	19.82	4.51
22 07 19 00-1135 EA 3-3/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	20.77	4.68
22 07 19 00-1136 EA 3-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	21.80	4.86
22 07 19 00-1137 EA 4-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	23.02	5.06
22 07 19 00-1138 EA 4-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	24.56	5.28
22 07 19 00-1139 EA 5-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	26.20	5.51
22 07 19 00-1140 EA 5-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	28.98	5.86
22 07 19 00-1141 EA 6-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	31.88	6.16
22 07 19 00-1142 EA 6-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	34.02	6.26
22 07 19 00-1143 EA 7-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	40.42	6.48
22 07 19 00-1144 EA 7-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	43.26	6.84
22 07 19 00-1145 EA 8-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	47.76	7.10
22 07 19 00-1146 EA 9-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	52.37	7.38
22 07 19 00-1147 EA 10-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	53.86	7.70
22 07 19 00-1148 EA 11-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	57.08	7.86
22 07 19 00-1149 EA 12-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	60.32	8.03
22 07 19 00-1150 EA 14-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	63.62	8.21
22 07 19 00-1151 EA 15-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	66.92	8.40
22 07 19 00-1152 EA 16-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	70.26	8.59
22 07 19 00-1153 EA 17-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	73.62	8.79
22 07 19 00-1154 EA 18-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	78.35	9.01
22 07 19 00-1155 EA 19-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	83.10	9.23
22 07 19 00-1156 EA 20-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	88.75	9.48
22 07 19 00-1157 EA 3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	15.23	2.64
22 07 19 00-1158 EA 1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	15.23	2.64



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1159 EA 1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	16.87	2.74
22 07 19 00-1160 EA 1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	16.87	2.74
22 07 19 00-1161 EA 2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	20.72	2.84
22 07 19 00-1162 EA 2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	22.20	2.96
22 07 19 00-1163 EA 3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	23.94	3.08
22 07 19 00-1164 EA 3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	26.31	3.21
22 07 19 00-1165 EA 4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	28.43	3.36
22 07 19 00-1166 EA 5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	33.42	3.69
22 07 19 00-1167 EA 6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	43.96	4.10
22 07 19 00-1168 EA 8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	48.46	4.62
22 07 19 00-1169 EA 10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	58.08	4.93
22 07 19 00-1170 EA 12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	76.92	5.43
22 07 19 00-1171 EA 14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	78.03	5.68
22 07 19 00-1172 EA 16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	98.65	5.86
22 07 19 00-1173 EA 18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	127.63	6.06
22 07 19 00-1174 EA 3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	14.71	2.64
22 07 19 00-1175 EA 1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	14.71	2.64
22 07 19 00-1176 EA 1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	16.24	2.74
22 07 19 00-1177 EA 1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	16.24	2.74
22 07 19 00-1178 EA 2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	19.70	2.84
22 07 19 00-1179 EA 2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	21.06	2.96
22 07 19 00-1180 EA 3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	22.69	3.08
22 07 19 00-1181 EA 3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	23.80	3.21
22 07 19 00-1182 EA 4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	26.77	3.36
22 07 19 00-1183 EA 5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	31.37	3.69
22 07 19 00-1184 EA 6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	40.94	4.10
22 07 19 00-1185 EA 8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	45.15	4.62
22 07 19 00-1186 EA 10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	53.87	4.93
22 07 19 00-1187 EA 12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	70.88	5.43
22 07 19 00-1188 EA 14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	86.67	5.68
22 07 19 00-1189 EA 16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	100.92	5.86
22 07 19 00-1190 EA 18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	115.64	6.06
22 07 19 00-1191 EA 3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	21.98	3.97
22 07 19 00-1192 EA 1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	21.98	3.97
22 07 19 00-1193 EA 1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	24.12	4.10
22 07 19 00-1194 EA 1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	24.12	4.10
22 07 19 00-1195 EA 2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	29.13	4.25
22 07 19 00-1196 EA 2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	31.10	4.40
22 07 19 00-1197 EA 3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	33.59	4.62
22 07 19 00-1198 EA 3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	35.21	4.80
22 07 19 00-1199 EA 4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	39.80	5.06
22 07 19 00-1200 EA 5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	43.60	5.51
22 07 19 00-1201 EA 6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	56.51	6.16
22 07 19 00-1202 EA 8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	61.91	6.84
22 07 19 00-1203 EA 10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	79.46	7.38
22 07 19 00-1204 EA 12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	103.84	8.03
22 07 19 00-1205 EA 14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	120.99	8.59
22 07 19 00-1206 EA 16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	139.10	8.79
22 07 19 00-1207 EA 18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	150.53	9.01

22 10 Plumbing Piping ⁽²²⁾

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

22 11 Facility Water Distribution ^(22 10)

22 11 16 Domestic Water Piping ^(22 11)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks. See CSI section 23 21 13 00-0000 for black steel piping and fitting.

22 11 16 00-0001 Galvanized Steel Pipe Assemblies ^(22 11 16)

Note: (ASTM A-53) Threaded and coupled. Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.

22 11 16 00-0002 LF 1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	14.75	3.52
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>		
	3.72	
<i>For ASTM 120, Deduct</i>		
	-0.46	
<i>For Work In Restricted Working Space, Add</i>		
	3.50	
22 11 16 00-0003 LF 3/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	16.10	3.78
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>		
	4.16	
<i>For ASTM 120, Deduct</i>		
	-0.56	
<i>For Work In Restricted Working Space, Add</i>		
	3.71	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 16 00-0004	LF		1" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly 18.01 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 4.80 <i>For ASTM 120, Deduct</i> -0.72 <i>For Work In Restricted Working Space, Add</i> 3.96		4.14
	22 11 16 00-0005	LF		1-1/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly 20.96 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 5.93 <i>For ASTM 120, Deduct</i> -1.04 <i>For Work In Restricted Working Space, Add</i> 4.21		4.31
	22 11 16 00-0006	LF		1-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly 22.45 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 6.45 <i>For ASTM 120, Deduct</i> -1.17 <i>For Work In Restricted Working Space, Add</i> 4.39		5.10
	22 11 16 00-0007	LF		2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly 26.94 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 7.97 <i>For ASTM 120, Deduct</i> -1.55 <i>For Work In Restricted Working Space, Add</i> 4.99		6.16
	22 11 16 00-0008	LF		2-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly 39.48 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 12.89 <i>For ASTM 120, Deduct</i> -3.00 <i>For Work In Restricted Working Space, Add</i> 5.85		7.30
	22 11 16 00-0009	LF		3" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly 48.36 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 15.86 <i>For ASTM 120, Deduct</i> -3.71 <i>For Work In Restricted Working Space, Add</i> 7.09		9.76
	22 11 16 00-0010	LF		4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly 75.74 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 27.64 <i>For ASTM 120, Deduct</i> -7.49 <i>For Work In Restricted Working Space, Add</i> 7.73		11.04
	22 11 16 00-0011	LF		5" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly 143.27 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 56.69 <i>For ASTM 120, Deduct</i> -16.82 <i>For Work In Restricted Working Space, Add</i> 9.34		14.11
	22 11 16 00-0012	LF		6" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly 166.12 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 65.91 <i>For ASTM 120, Deduct</i> -19.61 <i>For Work In Restricted Working Space, Add</i> 10.61		16.68
	22 11 16 00-0013			Galvanized Steel Pipe And Threaded Fittings <small>(22 11 16)</small> Note: (ASTM A-53) Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.		
	22 11 16 00-0014			Threaded And Coupled, Galvanized Steel Piping <small>(22 11 16 00-0013)</small> Note: ASTM A-53. Includes coupling.		
	22 11 16 00-0015	LF		1/2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe 6.66 <i>For Schedule 80 Pipe, Add</i> 1.17 <i>For ASTM 120, Deduct</i> -0.20 <i>For Work In Restricted Working Space, Add</i> 1.60		3.52
	22 11 16 00-0016	LF		3/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe 7.43 <i>For Schedule 80 Pipe, Add</i> 1.41 <i>For ASTM 120, Deduct</i> -0.26 <i>For Work In Restricted Working Space, Add</i> 1.70		3.78
	22 11 16 00-0017	LF		1" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe 8.76 <i>For Schedule 80 Pipe, Add</i> 1.87 <i>For ASTM 120, Deduct</i> -0.39 <i>For Work In Restricted Working Space, Add</i> 1.85		4.14
	22 11 16 00-0018	LF		1-1/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe 10.06 <i>For Schedule 80 Pipe, Add</i> 2.35 <i>For ASTM 120, Deduct</i> -0.53 <i>For Work In Restricted Working Space, Add</i> 1.96		4.31
	22 11 16 00-0019	LF		1-1/2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe 11.88 <i>For Schedule 80 Pipe, Add</i> 2.80 <i>For ASTM 120, Deduct</i> -0.63 <i>For Work In Restricted Working Space, Add</i> 2.30		5.10
	22 11 16 00-0020	LF		2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe 14.94 <i>For Schedule 80 Pipe, Add</i> 3.65 <i>For ASTM 120, Deduct</i> -0.85 <i>For Work In Restricted Working Space, Add</i> 2.78		6.16



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0021	LF		2-1/2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	20.02	7.30
			<i>For Schedule 80 Pipe, Add</i>	5.43	
			<i>For ASTM 120, Deduct</i>	-1.35	
			<i>For Work In Restricted Working Space, Add</i>	3.30	
22 11 16 00-0022	LF		3" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe.....	26.46	9.76
			<i>For Schedule 80 Pipe, Add</i>	7.13	
			<i>For ASTM 120, Deduct</i>	-1.77	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
22 11 16 00-0023	LF		4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe.....	33.40	11.04
			<i>For Schedule 80 Pipe, Add</i>	9.72	
			<i>For ASTM 120, Deduct</i>	-2.52	
			<i>For Work In Restricted Working Space, Add</i>	4.98	
22 11 16 00-0024	LF		5" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe.....	43.65	14.11
			<i>For Schedule 80 Pipe, Add</i>	12.93	
			<i>For ASTM 120, Deduct</i>	-3.38	
			<i>For Work In Restricted Working Space, Add</i>	6.34	
22 11 16 00-0025	LF		6" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe.....	54.21	16.68
			<i>For Schedule 80 Pipe, Add</i>	16.53	
			<i>For ASTM 120, Deduct</i>	-4.38	
			<i>For Work In Restricted Working Space, Add</i>	7.49	
22 11 16 00-0026			Galvanized Malleable Iron 90 Degree Elbows <small>(22 11 16 00-0013)</small>		
22 11 16 00-0027	EA		1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	27.95	15.66
			<i>For 300 LB Rating, Add</i>	16.71	
			<i>For ASTM 120, Deduct</i>	-0.68	
			<i>For Work In Restricted Working Space, Add</i>	7.04	
22 11 16 00-0028	EA		3/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	31.78	17.51
			<i>For 300 LB Rating, Add</i>	20.38	
			<i>For ASTM 120, Deduct</i>	-0.83	
			<i>For Work In Restricted Working Space, Add</i>	7.88	
22 11 16 00-0029	EA		1", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	39.57	19.53
			<i>For 300 LB Rating, Add</i>	36.61	
			<i>For ASTM 120, Deduct</i>	-1.54	
			<i>For Work In Restricted Working Space, Add</i>	8.80	
22 11 16 00-0030	EA		1-1/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	49.38	22.17
			<i>For 300 LB Rating, Add</i>	57.04	
			<i>For ASTM 120, Deduct</i>	-2.43	
			<i>For Work In Restricted Working Space, Add</i>	9.96	
22 11 16 00-0031	EA		1-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	58.57	24.98
			<i>For 300 LB Rating, Add</i>	74.12	
			<i>For ASTM 120, Deduct</i>	-3.17	
			<i>For Work In Restricted Working Space, Add</i>	11.23	
22 11 16 00-0032	EA		2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	82.16	31.76
			<i>For 300 LB Rating, Add</i>	120.56	
			<i>For ASTM 120, Deduct</i>	-5.19	
			<i>For Work In Restricted Working Space, Add</i>	14.26	
22 11 16 00-0033	EA		2-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	160.95	46.97
			<i>For 300 LB Rating, Add</i>	312.23	
			<i>For ASTM 120, Deduct</i>	-13.59	
			<i>For Work In Restricted Working Space, Add</i>	21.11	
22 11 16 00-0034	EA		3", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	241.94	61.75
			<i>For 300 LB Rating, Add</i>	513.35	
			<i>For ASTM 120, Deduct</i>	-22.40	
			<i>For Work In Restricted Working Space, Add</i>	27.78	
22 11 16 00-0035	EA		4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	360.22	64.55
			<i>For 300 LB Rating, Add</i>	901.44	
			<i>For ASTM 120, Deduct</i>	-39.51	
			<i>For Work In Restricted Working Space, Add</i>	29.04	
22 11 16 00-0036	EA		5", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	1,238.60	67.37
			<i>For 300 LB Rating, Add</i>	3,873.87	
			<i>For ASTM 120, Deduct</i>	-170.64	
			<i>For Work In Restricted Working Space, Add</i>	30.30	
22 11 16 00-0037	EA		6", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	1,154.33	70.44
			<i>For 300 LB Rating, Add</i>	3,572.02	
			<i>For ASTM 120, Deduct</i>	-157.31	
			<i>For Work In Restricted Working Space, Add</i>	31.68	
22 11 16 00-0038			Galvanized Malleable Iron Reducing 90 Degree Elbows <small>(22 11 16 00-0013)</small>		
22 11 16 00-0039	EA		3/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	34.47	16.53
			<i>For ASTM 120, Deduct</i>	-1.44	
			<i>For Work In Restricted Working Space, Add</i>	7.46	
22 11 16 00-0040	EA		1" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	40.13	18.55
			<i>For ASTM 120, Deduct</i>	-1.85	
			<i>For Work In Restricted Working Space, Add</i>	8.34	
22 11 16 00-0041	EA		1" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	39.49	17.59
			<i>For ASTM 120, Deduct</i>	-1.97	
			<i>For Work In Restricted Working Space, Add</i>	7.92	
22 11 16 00-0042	EA		1-1/4" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	51.96	20.85
			<i>For ASTM 120, Deduct</i>	-3.11	
			<i>For Work In Restricted Working Space, Add</i>	9.38	
22 11 16 00-0043	EA		1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	54.59	19.79
			<i>For ASTM 120, Deduct</i>	-3.73	
			<i>For Work In Restricted Working Space, Add</i>	8.92	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0044	EA		1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	54.67	18.91
			<i>For ASTM 120, Deduct</i>	-3.95	
			<i>For Work In Restricted Working Space, Add</i>	8.50	
22 11 16 00-0045	EA		1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	68.40	23.57
			<i>For ASTM 120, Deduct</i>	-4.96	
			<i>For Work In Restricted Working Space, Add</i>	10.59	
22 11 16 00-0046	EA		1-1/2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	66.46	22.26
			<i>For ASTM 120, Deduct</i>	-4.96	
			<i>For Work In Restricted Working Space, Add</i>	10.01	
22 11 16 00-0047	EA		1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	64.93	21.20
			<i>For ASTM 120, Deduct</i>	-4.96	
			<i>For Work In Restricted Working Space, Add</i>	9.55	
22 11 16 00-0048	EA		2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	81.14	28.32
			<i>For ASTM 120, Deduct</i>	-5.80	
			<i>For Work In Restricted Working Space, Add</i>	12.74	
22 11 16 00-0049	EA		2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	84.69	26.92
			<i>For ASTM 120, Deduct</i>	-6.65	
			<i>For Work In Restricted Working Space, Add</i>	12.11	
22 11 16 00-0050	EA		2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	84.41	25.60
			<i>For ASTM 120, Deduct</i>	-6.90	
			<i>For Work In Restricted Working Space, Add</i>	11.53	
22 11 16 00-0051	EA		2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	71.78	24.63
			<i>For ASTM 120, Deduct</i>	-5.23	
			<i>For Work In Restricted Working Space, Add</i>	11.07	
22 11 16 00-0052	EA		2-1/2" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	189.99	39.32
			<i>For ASTM 120, Deduct</i>	-19.65	
			<i>For Work In Restricted Working Space, Add</i>	17.69	
22 11 16 00-0053	EA		2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	199.88	35.97
			<i>For ASTM 120, Deduct</i>	-21.90	
			<i>For Work In Restricted Working Space, Add</i>	16.17	
22 11 16 00-0054	EA		3" x 2-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	319.62	54.35
			<i>For ASTM 120, Deduct</i>	-35.72	
			<i>For Work In Restricted Working Space, Add</i>	24.44	
22 11 16 00-0055	EA		3" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	276.91	46.71
			<i>For ASTM 120, Deduct</i>	-31.03	
			<i>For Work In Restricted Working Space, Add</i>	21.02	
22 11 16 00-0056	EA		4" x 3", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	630.97	61.40
			<i>For ASTM 120, Deduct</i>	-80.84	
			<i>For Work In Restricted Working Space, Add</i>	27.62	
22 11 16 00-0057			Galvanized Malleable Iron 45 Degree Elbow <small>(22 11 16 00-0013)</small>		
22 11 16 00-0058	EA		1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	30.57	15.66
			<i>For 300 LB Rating, Add</i>	25.62	
			<i>For ASTM 120, Deduct</i>	-1.07	
			<i>For Work In Restricted Working Space, Add</i>	7.04	
22 11 16 00-0059	EA		3/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	36.50	17.51
			<i>For 300 LB Rating, Add</i>	36.43	
			<i>For ASTM 120, Deduct</i>	-1.54	
			<i>For Work In Restricted Working Space, Add</i>	7.88	
22 11 16 00-0060	EA		1", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	40.88	19.53
			<i>For 300 LB Rating, Add</i>	41.06	
			<i>For ASTM 120, Deduct</i>	-1.73	
			<i>For Work In Restricted Working Space, Add</i>	8.80	
22 11 16 00-0061	EA		1-1/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	54.80	22.17
			<i>For 300 LB Rating, Add</i>	75.47	
			<i>For ASTM 120, Deduct</i>	-3.24	
			<i>For Work In Restricted Working Space, Add</i>	9.96	
22 11 16 00-0062	EA		1-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	62.82	24.98
			<i>For 300 LB Rating, Add</i>	88.57	
			<i>For ASTM 120, Deduct</i>	-3.81	
			<i>For Work In Restricted Working Space, Add</i>	11.23	
22 11 16 00-0063	EA		2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	85.11	31.76
			<i>For 300 LB Rating, Add</i>	130.59	
			<i>For ASTM 120, Deduct</i>	-5.64	
			<i>For Work In Restricted Working Space, Add</i>	14.26	
22 11 16 00-0064	EA		2-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	201.06	46.97
			<i>For 300 LB Rating, Add</i>	448.60	
			<i>For ASTM 120, Deduct</i>	-19.61	
			<i>For Work In Restricted Working Space, Add</i>	21.11	
22 11 16 00-0065	EA		3", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	282.68	61.75
			<i>For 300 LB Rating, Add</i>	651.86	
			<i>For ASTM 120, Deduct</i>	-28.51	
			<i>For Work In Restricted Working Space, Add</i>	27.78	
22 11 16 00-0066	EA		4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	415.49	64.55
			<i>For 300 LB Rating, Add</i>	1,089.35	
			<i>For ASTM 120, Deduct</i>	-47.80	
			<i>For Work In Restricted Working Space, Add</i>	29.04	
22 11 16 00-0067	EA		5", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	1,388.77	67.37
			<i>For 300 LB Rating, Add</i>	4,384.44	
			<i>For ASTM 120, Deduct</i>	-193.16	
			<i>For Work In Restricted Working Space, Add</i>	30.30	
22 11 16 00-0068	EA		6", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	1,658.34	70.44
			<i>For 300 LB Rating, Add</i>	5,285.65	
			<i>For ASTM 120, Deduct</i>	-232.91	
			<i>For Work In Restricted Working Space, Add</i>	31.68	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0069			Galvanized Malleable Iron Tees (22 11 16 00-0013)		
22 11 16 00-0070	EA	1/2"	150 LB, Galvanized Malleable Iron Tee.....	35.15	19.53
			<i>For 300 LB Rating, Add</i>	21.58	
			<i>For ASTM 120, Deduct</i>	-0.87	
			<i>For Work In Restricted Working Space, Add</i>	8.80	
22 11 16 00-0071	EA	3/4"	150 LB, Galvanized Malleable Iron Tee.....	43.45	22.61
			<i>For 300 LB Rating, Add</i>	34.74	
			<i>For ASTM 120, Deduct</i>	-1.44	
			<i>For Work In Restricted Working Space, Add</i>	10.15	
22 11 16 00-0072	EA	1"	150 LB, Galvanized Malleable Iron Tee.....	55.54	26.65
			<i>For 300 LB Rating, Add</i>	55.27	
			<i>For ASTM 120, Deduct</i>	-2.33	
			<i>For Work In Restricted Working Space, Add</i>	12.00	
22 11 16 00-0073	EA	1-1/4"	150 LB, Galvanized Malleable Iron Tee.....	72.23	31.76
			<i>For 300 LB Rating, Add</i>	86.80	
			<i>For ASTM 120, Deduct</i>	-3.70	
			<i>For Work In Restricted Working Space, Add</i>	14.26	
22 11 16 00-0074	EA	1-1/2"	150 LB, Galvanized Malleable Iron Tee.....	87.43	37.82
			<i>For 300 LB Rating, Add</i>	107.72	
			<i>For ASTM 120, Deduct</i>	-4.60	
			<i>For Work In Restricted Working Space, Add</i>	17.03	
22 11 16 00-0075	EA	2"	150 LB, Galvanized Malleable Iron Tee.....	120.23	46.97
			<i>For 300 LB Rating, Add</i>	173.78	
			<i>For ASTM 120, Deduct</i>	-7.48	
			<i>For Work In Restricted Working Space, Add</i>	21.11	
22 11 16 00-0076	EA	2-1/2"	150 LB, Galvanized Malleable Iron Tee.....	216.89	51.01
			<i>For 300 LB Rating, Add</i>	481.98	
			<i>For ASTM 120, Deduct</i>	-21.06	
			<i>For Work In Restricted Working Space, Add</i>	22.94	
22 11 16 00-0077	EA	3"	150 LB, Galvanized Malleable Iron Tee.....	257.25	61.75
			<i>For 300 LB Rating, Add</i>	565.40	
			<i>For ASTM 120, Deduct</i>	-24.70	
			<i>For Work In Restricted Working Space, Add</i>	27.78	
22 11 16 00-0078	EA	4"	150 LB, Galvanized Malleable Iron Tee.....	511.79	81.56
			<i>For 300 LB Rating, Add</i>	1,331.70	
			<i>For ASTM 120, Deduct</i>	-58.43	
			<i>For Work In Restricted Working Space, Add</i>	36.68	
22 11 16 00-0079	EA	5"	150 LB, Galvanized Malleable Iron Tee.....	1,369.61	96.83
			<i>For 300 LB Rating, Add</i>	4,171.71	
			<i>For ASTM 120, Deduct</i>	-183.66	
			<i>For Work In Restricted Working Space, Add</i>	43.56	
22 11 16 00-0080	EA	6"	150 LB, Galvanized Malleable Iron Tee.....	1,554.70	110.68
			<i>For 300 LB Rating, Add</i>	4,731.77	
			<i>For ASTM 120, Deduct</i>	-208.32	
			<i>For Work In Restricted Working Space, Add</i>	49.78	
22 11 16 00-0081			Galvanized Malleable Iron Reducing Tee (22 11 16 00-0013)		
22 11 16 00-0082	EA	1/2"	150 LB, Galvanized Malleable Iron Reducing Tee.....	42.88	19.53
			<i>For 300 LB Rating, Add</i>	47.86	
			<i>For ASTM 120, Deduct</i>	-2.03	
			<i>For Work In Restricted Working Space, Add</i>	8.80	
22 11 16 00-0083	EA	3/4"	150 LB, Galvanized Malleable Iron Reducing Tee.....	47.20	22.61
			<i>For 300 LB Rating, Add</i>	47.49	
			<i>For ASTM 120, Deduct</i>	-2.01	
			<i>For Work In Restricted Working Space, Add</i>	10.15	
22 11 16 00-0084	EA	1"	150 LB, Galvanized Malleable Iron Reducing Tee.....	58.78	26.65
			<i>For 300 LB Rating, Add</i>	66.29	
			<i>For ASTM 120, Deduct</i>	-2.82	
			<i>For Work In Restricted Working Space, Add</i>	12.00	
22 11 16 00-0085	EA	1-1/4"	150 LB, Galvanized Malleable Iron Reducing Tee.....	76.68	31.76
			<i>For 300 LB Rating, Add</i>	101.93	
			<i>For ASTM 120, Deduct</i>	-4.37	
			<i>For Work In Restricted Working Space, Add</i>	14.26	
22 11 16 00-0086	EA	1-1/2"	150 LB, Galvanized Malleable Iron Reducing Tee.....	92.74	37.82
			<i>For 300 LB Rating, Add</i>	125.77	
			<i>For ASTM 120, Deduct</i>	-5.40	
			<i>For Work In Restricted Working Space, Add</i>	17.03	
22 11 16 00-0087	EA	2"	150 LB, Galvanized Malleable Iron Reducing Tee.....	122.90	46.97
			<i>For 300 LB Rating, Add</i>	182.86	
			<i>For ASTM 120, Deduct</i>	-7.88	
			<i>For Work In Restricted Working Space, Add</i>	21.11	
22 11 16 00-0088	EA	2-1/2"	150 LB, Galvanized Malleable Iron Reducing Tee.....	262.30	51.19
			<i>For 300 LB Rating, Add</i>	635.58	
			<i>For ASTM 120, Deduct</i>	-27.84	
			<i>For Work In Restricted Working Space, Add</i>	23.02	
22 11 16 00-0089	EA	3"	150 LB, Galvanized Malleable Iron Reducing Tee.....	334.73	62.72
			<i>For 300 LB Rating, Add</i>	823.96	
			<i>For ASTM 120, Deduct</i>	-36.10	
			<i>For Work In Restricted Working Space, Add</i>	28.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0090 EA 4", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	819.97 2,379.52 -104.66 36.68	81.56
22 11 16 00-0091 EA 5", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,763.50 5,510.93 -242.75 43.56	96.83
22 11 16 00-0092 EA 6", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	2,001.45 6,250.72 -275.33 49.78	110.68
22 11 16 00-0093 Galvanized Malleable Iron Couplings <small>(22 11 16 00-0013)</small>		
22 11 16 00-0094 EA 1/2", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	30.05 23.85 -0.99 7.04	15.66
22 11 16 00-0095 EA 3/4", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	33.85 27.42 -1.14 7.88	17.51
22 11 16 00-0096 EA 1", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	41.78 44.12 -1.87 8.80	19.53
22 11 16 00-0097 EA 1-1/4", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	50.76 61.73 -2.64 9.96	22.17
22 11 16 00-0098 EA 1-1/2", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	57.40 70.14 -3.00 11.23	24.98
22 11 16 00-0099 EA 2", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	76.74 102.13 -4.38 14.26	31.76
22 11 16 00-0100 EA 2-1/2", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	159.74 308.11 -13.41 21.11	46.97
22 11 16 00-0101 EA 3", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	212.05 411.72 -17.92 27.78	61.75
22 11 16 00-0102 EA 4", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	350.51 868.42 -38.06 29.04	64.55
22 11 16 00-0103 EA 5", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	815.41 2,435.02 -107.16 30.30	67.37
22 11 16 00-0104 EA 6", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	919.50 2,773.60 -122.09 31.68	70.44
22 11 16 00-0105 Galvanized Malleable Iron Reducing Couplings <small>(22 11 16 00-0013)</small>		
22 11 16 00-0106 EA 1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	31.45 28.61 -1.20 7.04	15.66
22 11 16 00-0107 EA 3/4", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	34.80 30.65 -1.28 7.88	17.51
22 11 16 00-0108 EA 1", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	43.58 50.24 -2.14 8.80	19.53
22 11 16 00-0109 EA 1-1/4", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	51.63 64.69 -2.77 9.96	22.17
22 11 16 00-0110 EA 1-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	61.21 83.10 -3.57 11.23	24.98

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0111	EA		2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	79.98	31.76
			<i>For 300 LB Rating, Add</i>	113.15	
			<i>For ASTM 120, Deduct</i>	-4.87	
			<i>For Work In Restricted Working Space, Add</i>	14.26	
22 11 16 00-0112	EA		2-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	160.87	46.97
			<i>For 300 LB Rating, Add</i>	311.96	
			<i>For ASTM 120, Deduct</i>	-13.58	
			<i>For Work In Restricted Working Space, Add</i>	21.11	
22 11 16 00-0113	EA		3", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	208.67	61.75
			<i>For 300 LB Rating, Add</i>	400.23	
			<i>For ASTM 120, Deduct</i>	-17.41	
			<i>For Work In Restricted Working Space, Add</i>	27.78	
22 11 16 00-0114	EA		4", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	357.05	64.55
			<i>For 300 LB Rating, Add</i>	890.66	
			<i>For ASTM 120, Deduct</i>	-39.04	
			<i>For Work In Restricted Working Space, Add</i>	29.04	
22 11 16 00-0115	EA		5", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	853.02	67.37
			<i>For 300 LB Rating, Add</i>	2,562.89	
			<i>For ASTM 120, Deduct</i>	-112.80	
			<i>For Work In Restricted Working Space, Add</i>	30.30	
22 11 16 00-0116	EA		6", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	962.33	70.44
			<i>For 300 LB Rating, Add</i>	2,919.22	
			<i>For ASTM 120, Deduct</i>	-128.51	
			<i>For Work In Restricted Working Space, Add</i>	31.68	
22 11 16 00-0117			Galvanized Malleable Iron Caps <small>(22 11 16 00-0013)</small>		
22 11 16 00-0118	EA		1/2", 150 LB, Galvanized Malleable Iron Cap	15.99	7.30
			<i>For 300 LB Rating, Add</i>	17.63	
			<i>For ASTM 120, Deduct</i>	-0.75	
			<i>For Work In Restricted Working Space, Add</i>	3.30	
22 11 16 00-0119	EA		3/4", 150 LB, Galvanized Malleable Iron Cap	18.64	7.83
			<i>For 300 LB Rating, Add</i>	24.20	
			<i>For ASTM 120, Deduct</i>	-1.04	
			<i>For Work In Restricted Working Space, Add</i>	3.52	
22 11 16 00-0120	EA		1", 150 LB, Galvanized Malleable Iron Cap	22.10	9.06
			<i>For 300 LB Rating, Add</i>	29.95	
			<i>For ASTM 120, Deduct</i>	-1.29	
			<i>For Work In Restricted Working Space, Add</i>	4.06	
22 11 16 00-0121	EA		1-1/4", 150 LB, Galvanized Malleable Iron Cap	25.47	9.50
			<i>For 300 LB Rating, Add</i>	39.20	
			<i>For ASTM 120, Deduct</i>	-1.69	
			<i>For Work In Restricted Working Space, Add</i>	4.26	
22 11 16 00-0122	EA		1-1/2", 150 LB, Galvanized Malleable Iron Cap	28.64	9.50
			<i>For 300 LB Rating, Add</i>	49.98	
			<i>For ASTM 120, Deduct</i>	-2.17	
			<i>For Work In Restricted Working Space, Add</i>	4.26	
22 11 16 00-0123	EA		2", 150 LB, Galvanized Malleable Iron Cap	39.15	12.58
			<i>For 300 LB Rating, Add</i>	69.92	
			<i>For ASTM 120, Deduct</i>	-3.03	
			<i>For Work In Restricted Working Space, Add</i>	5.68	
22 11 16 00-0124	EA		2-1/2", 150 LB, Galvanized Malleable Iron Cap	82.22	15.66
			<i>For 300 LB Rating, Add</i>	201.23	
			<i>For ASTM 120, Deduct</i>	-8.82	
			<i>For Work In Restricted Working Space, Add</i>	7.04	
22 11 16 00-0125	EA		3", 150 LB, Galvanized Malleable Iron Cap	99.59	18.91
			<i>For 300 LB Rating, Add</i>	243.85	
			<i>For ASTM 120, Deduct</i>	-10.68	
			<i>For Work In Restricted Working Space, Add</i>	8.51	
22 11 16 00-0126	EA		4", 150 LB, Galvanized Malleable Iron Cap	190.54	22.16
			<i>For 300 LB Rating, Add</i>	537.01	
			<i>For ASTM 120, Deduct</i>	-23.60	
			<i>For Work In Restricted Working Space, Add</i>	9.95	
22 11 16 00-0127	EA		5", 150 LB, Galvanized Malleable Iron Cap	463.66	27.71
			<i>For 300 LB Rating, Add</i>	1,437.90	
			<i>For ASTM 120, Deduct</i>	-63.33	
			<i>For Work In Restricted Working Space, Add</i>	12.44	
22 11 16 00-0128	EA		6", 150 LB, Galvanized Malleable Iron Cap	582.98	32.94
			<i>For 300 LB Rating, Add</i>	1,817.04	
			<i>For ASTM 120, Deduct</i>	-80.03	
			<i>For Work In Restricted Working Space, Add</i>	14.83	
22 11 16 00-0129			Galvanized Malleable Iron Unions <small>(22 11 16 00-0013)</small>		
22 11 16 00-0130	EA		1/2", 150 LB, Galvanized Malleable Iron Union.....	48.82	19.53
			<i>For Work In Restricted Working Space, Add</i>	8.80	
22 11 16 00-0131	EA		3/4", 150 LB, Galvanized Malleable Iron Union.....	56.24	22.61
			<i>For Work In Restricted Working Space, Add</i>	10.15	
22 11 16 00-0132	EA		1", 150 LB, Galvanized Malleable Iron Union.....	69.34	26.65
			<i>For Work In Restricted Working Space, Add</i>	12.00	
22 11 16 00-0133	EA		1-1/4", 150 LB, Galvanized Malleable Iron Union	89.97	31.76
			<i>For Work In Restricted Working Space, Add</i>	14.26	
22 11 16 00-0134	EA		1-1/2", 150 LB, Galvanized Malleable Iron Union	108.17	37.82
			<i>For Work In Restricted Working Space, Add</i>	17.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0135 EA 2", 150 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	129.46 21.11	46.97
22 11 16 00-0136 EA 2-1/2", 150 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	309.20 31.16	69.23
22 11 16 00-0137 EA 3", 150 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	424.05 41.00	91.04
22 11 16 00-0138 EA 1/2", 250 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	68.98 8.80	19.53
22 11 16 00-0139 EA 3/4", 250 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	69.87 10.15	22.61
22 11 16 00-0140 EA 1", 250 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	84.66 11.99	26.65
22 11 16 00-0141 EA 1-1/4", 250 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	115.20 14.26	31.76
22 11 16 00-0142 EA 1-1/2", 250 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	134.64 17.03	37.82
22 11 16 00-0143 EA 2", 250 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	180.36 21.11	46.97
22 11 16 00-0144 EA 2-1/2", 250 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	393.25 31.16	69.23
22 11 16 00-0145 EA 3", 250 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	580.66 41.00	91.04
22 11 16 00-0146 EA 4", 250 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	839.34 42.87	95.25
22 11 16 00-0147 EA 1/2", 300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	74.51 8.80	19.53
22 11 16 00-0148 EA 3/4", 300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	82.84 10.15	22.61
22 11 16 00-0149 EA 1", 300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	104.99 11.99	26.65
22 11 16 00-0150 EA 1-1/4", 300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	138.19 14.26	31.76
22 11 16 00-0151 EA 1-1/2", 300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	165.90 17.03	37.82
22 11 16 00-0152 EA 2", 300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	201.37 21.11	46.97
22 11 16 00-0153 EA 2-1/2", 300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	469.33 31.16	69.23
22 11 16 00-0154 EA 3", 300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	754.75 41.00	91.04
22 11 16 00-0155 EA 4", 300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	1,693.03 42.87	95.25
22 11 16 00-0156 Galvanized Steel Nipples (22 11 16 00-0013)		
Note: ASTM A-53		
22 11 16 00-0157 EA 3/8" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	14.19 1.85 -0.24 3.77	8.35
22 11 16 00-0158 EA 1/2" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	13.88 1.49 -0.20 3.77	8.35
22 11 16 00-0159 EA 3/4" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	14.17 1.82 -0.24 3.77	8.35
22 11 16 00-0160 EA 1" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	15.72 2.50 -0.33 4.06	9.06
22 11 16 00-0161 EA 1-1/4" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	17.60 3.35 -0.44 4.40	9.76
22 11 16 00-0162 EA 1-1/2" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	18.10 3.92 -0.52 4.40	9.76
22 11 16 00-0163 EA 2" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	23.78 5.54 -0.73 5.68	12.58
22 11 16 00-0164 EA 2-1/2" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	37.91 16.48 -2.17 7.04	15.66
22 11 16 00-0165 EA 3" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	45.69 19.74 -2.60 8.51	18.91

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0166	EA		4" x Close, Schedule 40 Galvanized Steel Nipple.....	59.14	22.16
			<i>For Schedule 80 Nipples, Add</i>	29.59	
			<i>For ASTM 120, Deduct</i>	-3.89	
			<i>For Work In Restricted Working Space, Add</i>	9.95	
22 11 16 00-0167	EA		3/8" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	14.43	8.35
			<i>For Schedule 80 Nipples, Add</i>	2.12	
			<i>For ASTM 120, Deduct</i>	-0.28	
			<i>For Work In Restricted Working Space, Add</i>	3.77	
22 11 16 00-0168	EA		1/2" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	13.95	8.35
			<i>For Schedule 80 Nipples, Add</i>	1.57	
			<i>For ASTM 120, Deduct</i>	-0.21	
			<i>For Work In Restricted Working Space, Add</i>	3.77	
22 11 16 00-0169	EA		3/4" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	14.31	8.35
			<i>For Schedule 80 Nipples, Add</i>	1.98	
			<i>For ASTM 120, Deduct</i>	-0.26	
			<i>For Work In Restricted Working Space, Add</i>	3.77	
22 11 16 00-0170	EA		3/8" x 2" Long, Schedule 40 Galvanized Steel Nipple.....	14.43	8.35
			<i>For Schedule 80 Nipples, Add</i>	2.12	
			<i>For ASTM 120, Deduct</i>	-0.28	
			<i>For Work In Restricted Working Space, Add</i>	3.77	
22 11 16 00-0171	EA		1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple.....	13.95	8.35
			<i>For Schedule 80 Nipples, Add</i>	1.57	
			<i>For ASTM 120, Deduct</i>	-0.21	
			<i>For Work In Restricted Working Space, Add</i>	3.77	
22 11 16 00-0172	EA		3/4" x 2" Long, Schedule 40 Galvanized Steel Nipple.....	14.31	8.35
			<i>For Schedule 80 Nipples, Add</i>	1.98	
			<i>For ASTM 120, Deduct</i>	-0.26	
			<i>For Work In Restricted Working Space, Add</i>	3.77	
22 11 16 00-0173	EA		1" x 2" Long, Schedule 40 Galvanized Steel Nipple.....	16.11	9.06
			<i>For Schedule 80 Nipples, Add</i>	2.94	
			<i>For ASTM 120, Deduct</i>	-0.39	
			<i>For Work In Restricted Working Space, Add</i>	4.06	
22 11 16 00-0174	EA		1-1/4" x 2" Long, Schedule 40 Galvanized Steel Nipple	17.81	9.76
			<i>For Schedule 80 Nipples, Add</i>	3.59	
			<i>For ASTM 120, Deduct</i>	-0.47	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
22 11 16 00-0175	EA		1-1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple	18.36	9.76
			<i>For Schedule 80 Nipples, Add</i>	4.22	
			<i>For ASTM 120, Deduct</i>	-0.56	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
22 11 16 00-0176	EA		3/8" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	15.05	8.35
			<i>For Schedule 80 Nipples, Add</i>	2.83	
			<i>For ASTM 120, Deduct</i>	-0.37	
			<i>For Work In Restricted Working Space, Add</i>	3.77	
22 11 16 00-0177	EA		1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	14.19	8.35
			<i>For Schedule 80 Nipples, Add</i>	1.85	
			<i>For ASTM 120, Deduct</i>	-0.24	
			<i>For Work In Restricted Working Space, Add</i>	3.77	
22 11 16 00-0178	EA		3/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	14.49	8.35
			<i>For Schedule 80 Nipples, Add</i>	2.19	
			<i>For ASTM 120, Deduct</i>	-0.29	
			<i>For Work In Restricted Working Space, Add</i>	3.77	
22 11 16 00-0179	EA		1" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	16.33	9.06
			<i>For Schedule 80 Nipples, Add</i>	3.19	
			<i>For ASTM 120, Deduct</i>	-0.42	
			<i>For Work In Restricted Working Space, Add</i>	4.06	
22 11 16 00-0180	EA		1-1/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	18.12	9.76
			<i>For Schedule 80 Nipples, Add</i>	3.94	
			<i>For ASTM 120, Deduct</i>	-0.52	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
22 11 16 00-0181	EA		1-1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	18.78	9.76
			<i>For Schedule 80 Nipples, Add</i>	4.70	
			<i>For ASTM 120, Deduct</i>	-0.62	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
22 11 16 00-0182	EA		2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	24.38	12.58
			<i>For Schedule 80 Nipples, Add</i>	6.22	
			<i>For ASTM 120, Deduct</i>	-0.82	
			<i>For Work In Restricted Working Space, Add</i>	5.68	
22 11 16 00-0183	EA		3/8" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	15.05	8.35
			<i>For Schedule 80 Nipples, Add</i>	2.83	
			<i>For ASTM 120, Deduct</i>	-0.37	
			<i>For Work In Restricted Working Space, Add</i>	3.77	
22 11 16 00-0184	EA		1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	14.19	8.35
			<i>For Schedule 80 Nipples, Add</i>	1.85	
			<i>For ASTM 120, Deduct</i>	-0.24	
			<i>For Work In Restricted Working Space, Add</i>	3.77	
22 11 16 00-0185	EA		3/4" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	14.49	8.35
			<i>For Schedule 80 Nipples, Add</i>	2.19	
			<i>For ASTM 120, Deduct</i>	-0.29	
			<i>For Work In Restricted Working Space, Add</i>	3.77	
22 11 16 00-0186	EA		1" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	16.33	9.06
			<i>For Schedule 80 Nipples, Add</i>	3.19	
			<i>For ASTM 120, Deduct</i>	-0.42	
			<i>For Work In Restricted Working Space, Add</i>	4.06	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0187	EA			1-1/4" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	18.12 3.94 -0.52 4.40	9.76
22 11 16 00-0188	EA			1-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	18.78 4.70 -0.62 4.40	9.76
22 11 16 00-0189	EA			2" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	24.38 6.22 -0.82 5.68	12.58
22 11 16 00-0190	EA			2-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	38.46 17.11 -2.25 7.04	15.66
22 11 16 00-0191	EA			3" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	48.08 22.47 -2.96 8.51	18.91
22 11 16 00-0192	EA			3/8" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	15.52 3.36 -0.44 3.77	8.35
22 11 16 00-0193	EA			1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	14.57 2.28 -0.30 3.77	8.35
22 11 16 00-0194	EA			3/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	15.05 2.83 -0.37 3.77	8.35
22 11 16 00-0195	EA			1" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	16.89 3.83 -0.50 4.06	9.06
22 11 16 00-0196	EA			1-1/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	18.78 4.70 -0.62 4.40	9.76
22 11 16 00-0197	EA			1-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	19.87 5.94 -0.78 4.40	9.76
22 11 16 00-0198	EA			2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	25.56 7.57 -1.00 5.68	12.58
22 11 16 00-0199	EA			2-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	40.87 19.86 -2.61 7.04	15.66
22 11 16 00-0200	EA			3" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	51.50 26.37 -3.47 8.51	18.91
22 11 16 00-0201	EA			3/8" x 4" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	15.52 3.36 -0.44 3.77	8.35
22 11 16 00-0202	EA			1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	14.57 2.28 -0.30 3.77	8.35
22 11 16 00-0203	EA			3/4" x 4" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	15.52 3.36 -0.44 3.77	8.35
22 11 16 00-0204	EA			1" x 4" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	16.89 3.83 -0.50 4.06	9.06
22 11 16 00-0205	EA			1-1/4" x 4" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	18.78 4.70 -0.62 4.40	9.76
22 11 16 00-0206	EA			1-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	19.87 5.94 -0.78 4.40	9.76
22 11 16 00-0207	EA			2" x 4" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	25.61 7.63 -1.00 5.68	12.58

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0208	EA		2-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	40.87	15.66
			<i>For Schedule 80 Nipples, Add</i>	19.86	
			<i>For ASTM 120, Deduct</i>	-2.61	
			<i>For Work In Restricted Working Space, Add</i>	7.04	
22 11 16 00-0209	EA		3" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	51.50	18.91
			<i>For Schedule 80 Nipples, Add</i>	26.37	
			<i>For ASTM 120, Deduct</i>	-3.47	
			<i>For Work In Restricted Working Space, Add</i>	8.51	
22 11 16 00-0210	EA		4" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	64.23	22.16
			<i>For Schedule 80 Nipples, Add</i>	35.40	
			<i>For ASTM 120, Deduct</i>	-4.66	
			<i>For Work In Restricted Working Space, Add</i>	9.95	
22 11 16 00-0211	EA		3/8" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	16.64	8.35
			<i>For Schedule 80 Nipples, Add</i>	4.64	
			<i>For ASTM 120, Deduct</i>	-0.61	
			<i>For Work In Restricted Working Space, Add</i>	3.77	
22 11 16 00-0212	EA		1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	14.98	8.35
			<i>For Schedule 80 Nipples, Add</i>	2.75	
			<i>For ASTM 120, Deduct</i>	-0.36	
			<i>For Work In Restricted Working Space, Add</i>	3.77	
22 11 16 00-0213	EA		3/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	15.53	8.35
			<i>For Schedule 80 Nipples, Add</i>	3.37	
			<i>For ASTM 120, Deduct</i>	-0.44	
			<i>For Work In Restricted Working Space, Add</i>	3.77	
22 11 16 00-0214	EA		1" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	17.65	9.06
			<i>For Schedule 80 Nipples, Add</i>	4.70	
			<i>For ASTM 120, Deduct</i>	-0.62	
			<i>For Work In Restricted Working Space, Add</i>	4.06	
22 11 16 00-0215	EA		1-1/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.76	9.76
			<i>For Schedule 80 Nipples, Add</i>	5.81	
			<i>For ASTM 120, Deduct</i>	-0.77	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
22 11 16 00-0216	EA		1-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	20.96	9.76
			<i>For Schedule 80 Nipples, Add</i>	7.18	
			<i>For ASTM 120, Deduct</i>	-0.95	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
22 11 16 00-0217	EA		2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	27.39	12.58
			<i>For Schedule 80 Nipples, Add</i>	9.66	
			<i>For ASTM 120, Deduct</i>	-1.27	
			<i>For Work In Restricted Working Space, Add</i>	5.68	
22 11 16 00-0218	EA		2-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	42.88	15.66
			<i>For Schedule 80 Nipples, Add</i>	22.15	
			<i>For ASTM 120, Deduct</i>	-2.91	
			<i>For Work In Restricted Working Space, Add</i>	7.04	
22 11 16 00-0219	EA		3" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	55.32	18.91
			<i>For Schedule 80 Nipples, Add</i>	30.72	
			<i>For ASTM 120, Deduct</i>	-4.04	
			<i>For Work In Restricted Working Space, Add</i>	8.51	
22 11 16 00-0220	EA		4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	68.00	22.16
			<i>For Schedule 80 Nipples, Add</i>	39.69	
			<i>For ASTM 120, Deduct</i>	-5.22	
			<i>For Work In Restricted Working Space, Add</i>	9.95	
22 11 16 00-0221	EA		3/8" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	16.64	8.35
			<i>For Schedule 80 Nipples, Add</i>	4.64	
			<i>For ASTM 120, Deduct</i>	-0.61	
			<i>For Work In Restricted Working Space, Add</i>	3.77	
22 11 16 00-0222	EA		1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	14.98	8.35
			<i>For Schedule 80 Nipples, Add</i>	2.75	
			<i>For ASTM 120, Deduct</i>	-0.36	
			<i>For Work In Restricted Working Space, Add</i>	3.77	
22 11 16 00-0223	EA		3/4" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	15.53	8.35
			<i>For Schedule 80 Nipples, Add</i>	3.37	
			<i>For ASTM 120, Deduct</i>	-0.44	
			<i>For Work In Restricted Working Space, Add</i>	3.77	
22 11 16 00-0224	EA		1" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	17.65	9.06
			<i>For Schedule 80 Nipples, Add</i>	4.70	
			<i>For ASTM 120, Deduct</i>	-0.62	
			<i>For Work In Restricted Working Space, Add</i>	4.06	
22 11 16 00-0225	EA		1-1/4" x 5" Long, Schedule 40 Galvanized Steel Nipple	19.76	9.76
			<i>For Schedule 80 Nipples, Add</i>	5.81	
			<i>For ASTM 120, Deduct</i>	-0.77	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
22 11 16 00-0226	EA		1-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	20.96	9.76
			<i>For Schedule 80 Nipples, Add</i>	7.18	
			<i>For ASTM 120, Deduct</i>	-0.95	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
22 11 16 00-0227	EA		2" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	27.39	12.58
			<i>For Schedule 80 Nipples, Add</i>	9.66	
			<i>For ASTM 120, Deduct</i>	-1.27	
			<i>For Work In Restricted Working Space, Add</i>	5.68	
22 11 16 00-0228	EA		2-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	42.88	15.66
			<i>For Schedule 80 Nipples, Add</i>	22.15	
			<i>For ASTM 120, Deduct</i>	-2.91	
			<i>For Work In Restricted Working Space, Add</i>	7.04	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0229	EA			3" x 5" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	55.32 30.72 -4.04 8.51	18.91
22 11 16 00-0230	EA			4" x 5" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	68.00 39.69 -5.22 9.95	22.16
22 11 16 00-0231	EA			3/8" x 6" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	17.09 5.15 -0.68 3.77	8.35
22 11 16 00-0232	EA			1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	15.31 3.12 -0.41 3.77	8.35
22 11 16 00-0233	EA			3/4" x 6" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	16.13 4.06 -0.53 3.77	8.35
22 11 16 00-0234	EA			1" x 6" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	18.20 5.32 -0.70 4.06	9.06
22 11 16 00-0235	EA			1-1/4" x 6" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	20.58 6.75 -0.89 4.40	9.76
22 11 16 00-0236	EA			1-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	21.75 8.08 -1.06 4.40	9.76
22 11 16 00-0237	EA			2" x 6" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	28.76 11.22 -1.48 5.68	12.58
22 11 16 00-0238	EA			2-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	44.80 24.34 -3.20 7.04	15.66
22 11 16 00-0239	EA			3" x 6" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	56.87 32.49 -4.28 8.51	18.91
22 11 16 00-0240	EA			4" x 6" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	71.67 43.88 -5.77 9.95	22.16
22 11 16 00-0241	EA			3/8" x 8" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	30.63 20.59 -2.71 3.77	8.35
22 11 16 00-0242	EA			1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	17.40 5.51 -0.72 3.77	8.35
22 11 16 00-0243	EA			3/4" x 8" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	18.74 7.03 -0.93 3.77	8.35
22 11 16 00-0244	EA			1" x 8" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	21.35 8.91 -1.17 4.06	9.06
22 11 16 00-0245	EA			1-1/4" x 8" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	24.25 10.93 -1.44 4.40	9.76
22 11 16 00-0246	EA			1-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	25.66 12.54 -1.65 4.40	9.76
22 11 16 00-0247	EA			2" x 8" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	34.96 18.29 -2.41 5.68	12.58
22 11 16 00-0248	EA			2-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	50.92 31.32 -4.12 7.04	15.66
22 11 16 00-0249	EA			3" x 8" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	66.77 43.78 -5.76 8.51	18.91

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0250	EA		4" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	79.11	22.16
			<i>For Schedule 80 Nipples, Add</i>	52.36	
			<i>For ASTM 120, Deduct</i>	-6.89	
			<i>For Work In Restricted Working Space, Add</i>	9.95	
22 11 16 00-0251	EA		3/8" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	21.18	8.35
			<i>For Schedule 80 Nipples, Add</i>	9.82	
			<i>For ASTM 120, Deduct</i>	-1.29	
			<i>For Work In Restricted Working Space, Add</i>	3.77	
22 11 16 00-0252	EA		1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	18.30	8.35
			<i>For Schedule 80 Nipples, Add</i>	6.53	
			<i>For ASTM 120, Deduct</i>	-0.86	
			<i>For Work In Restricted Working Space, Add</i>	3.77	
22 11 16 00-0253	EA		3/4" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	19.42	8.35
			<i>For Schedule 80 Nipples, Add</i>	7.81	
			<i>For ASTM 120, Deduct</i>	-1.03	
			<i>For Work In Restricted Working Space, Add</i>	3.77	
22 11 16 00-0254	EA		1" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	22.47	9.06
			<i>For Schedule 80 Nipples, Add</i>	10.19	
			<i>For ASTM 120, Deduct</i>	-1.34	
			<i>For Work In Restricted Working Space, Add</i>	4.06	
22 11 16 00-0255	EA		1-1/4" x 10" Long, Schedule 40 Galvanized Steel Nipple	26.12	9.76
			<i>For Schedule 80 Nipples, Add</i>	13.06	
			<i>For ASTM 120, Deduct</i>	-1.72	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
22 11 16 00-0256	EA		1-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	27.48	9.76
			<i>For Schedule 80 Nipples, Add</i>	14.61	
			<i>For ASTM 120, Deduct</i>	-1.92	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
22 11 16 00-0257	EA		2" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	37.68	12.58
			<i>For Schedule 80 Nipples, Add</i>	21.39	
			<i>For ASTM 120, Deduct</i>	-2.81	
			<i>For Work In Restricted Working Space, Add</i>	5.68	
22 11 16 00-0258	EA		2-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	54.76	15.66
			<i>For Schedule 80 Nipples, Add</i>	35.69	
			<i>For ASTM 120, Deduct</i>	-4.70	
			<i>For Work In Restricted Working Space, Add</i>	7.04	
22 11 16 00-0259	EA		3" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	72.18	18.91
			<i>For Schedule 80 Nipples, Add</i>	49.94	
			<i>For ASTM 120, Deduct</i>	-6.57	
			<i>For Work In Restricted Working Space, Add</i>	8.51	
22 11 16 00-0260	EA		4" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	86.40	22.16
			<i>For Schedule 80 Nipples, Add</i>	60.67	
			<i>For ASTM 120, Deduct</i>	-7.98	
			<i>For Work In Restricted Working Space, Add</i>	9.95	
22 11 16 00-0261	EA		3/8" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	22.11	8.35
			<i>For Schedule 80 Nipples, Add</i>	10.88	
			<i>For ASTM 120, Deduct</i>	-1.43	
			<i>For Work In Restricted Working Space, Add</i>	3.77	
22 11 16 00-0262	EA		1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	19.09	8.35
			<i>For Schedule 80 Nipples, Add</i>	7.43	
			<i>For ASTM 120, Deduct</i>	-0.98	
			<i>For Work In Restricted Working Space, Add</i>	3.77	
22 11 16 00-0263	EA		3/4" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	20.25	8.35
			<i>For Schedule 80 Nipples, Add</i>	8.76	
			<i>For ASTM 120, Deduct</i>	-1.15	
			<i>For Work In Restricted Working Space, Add</i>	3.77	
22 11 16 00-0264	EA		1" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	23.93	9.06
			<i>For Schedule 80 Nipples, Add</i>	11.86	
			<i>For ASTM 120, Deduct</i>	-1.56	
			<i>For Work In Restricted Working Space, Add</i>	4.06	
22 11 16 00-0265	EA		1-1/4" x 12" Long, Schedule 40 Galvanized Steel Nipple	28.43	9.76
			<i>For Schedule 80 Nipples, Add</i>	15.70	
			<i>For ASTM 120, Deduct</i>	-2.07	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
22 11 16 00-0266	EA		1-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	29.33	9.76
			<i>For Schedule 80 Nipples, Add</i>	16.72	
			<i>For ASTM 120, Deduct</i>	-2.20	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
22 11 16 00-0267	EA		2" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	40.45	12.58
			<i>For Schedule 80 Nipples, Add</i>	24.54	
			<i>For ASTM 120, Deduct</i>	-3.23	
			<i>For Work In Restricted Working Space, Add</i>	5.68	
22 11 16 00-0268	EA		2-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	58.49	15.66
			<i>For Schedule 80 Nipples, Add</i>	39.95	
			<i>For ASTM 120, Deduct</i>	-5.26	
			<i>For Work In Restricted Working Space, Add</i>	7.04	
22 11 16 00-0269	EA		3" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	77.63	18.91
			<i>For Schedule 80 Nipples, Add</i>	56.16	
			<i>For ASTM 120, Deduct</i>	-7.39	
			<i>For Work In Restricted Working Space, Add</i>	8.51	
22 11 16 00-0270	EA		4" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	93.77	22.16
			<i>For Schedule 80 Nipples, Add</i>	69.07	
			<i>For ASTM 120, Deduct</i>	-9.09	
			<i>For Work In Restricted Working Space, Add</i>	9.95	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0271 Galvanized Malleable Iron Square Head Plugs <small>(22 11 16 00-0013)</small>				
22 11 16 00-0272	EA 1/2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	17.43		6.25
	<i>For 300 LB Rating, Add</i>	27.90		
	<i>For Work In Restricted Working Space, Add</i>	2.82		
22 11 16 00-0273	EA 3/4", 150 LB, Galvanized Malleable Iron Square Head Plug.....	18.54		7.03
	<i>For 300 LB Rating, Add</i>	27.97		
	<i>For Work In Restricted Working Space, Add</i>	3.15		
22 11 16 00-0274	EA 1", 150 LB, Galvanized Malleable Iron Square Head Plug.....	20.54		7.83
	<i>For 300 LB Rating, Add</i>	30.69		
	<i>For Work In Restricted Working Space, Add</i>	3.52		
22 11 16 00-0275	EA 1-1/4", 150 LB, Galvanized Malleable Iron Square Head Plug.....	26.83		8.88
	<i>For 300 LB Rating, Add</i>	46.90		
	<i>For Work In Restricted Working Space, Add</i>	3.98		
22 11 16 00-0276	EA 1-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	33.23		9.94
	<i>For 300 LB Rating, Add</i>	62.98		
	<i>For Work In Restricted Working Space, Add</i>	4.49		
22 11 16 00-0277	EA 2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	42.24		12.67
	<i>For 300 LB Rating, Add</i>	80.09		
	<i>For Work In Restricted Working Space, Add</i>	5.71		
22 11 16 00-0278	EA 2-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	73.43		18.74
	<i>For 300 LB Rating, Add</i>	155.67		
	<i>For Work In Restricted Working Space, Add</i>	8.44		
22 11 16 00-0279	EA 3", 150 LB, Galvanized Malleable Iron Square Head Plug.....	101.30		24.71
	<i>For 300 LB Rating, Add</i>	220.71		
	<i>For Work In Restricted Working Space, Add</i>	11.11		
22 11 16 00-0280	EA 4", 150 LB, Galvanized Malleable Iron Square Head Plug.....	172.13		25.80
	<i>For 300 LB Rating, Add</i>	455.92		
	<i>For Work In Restricted Working Space, Add</i>	11.62		
22 11 16 00-0281	EA 5", 150 LB, Galvanized Malleable Iron Square Head Plug.....	285.17		26.97
	<i>For 300 LB Rating, Add</i>	834.64		
	<i>For Work In Restricted Working Space, Add</i>	12.12		
22 11 16 00-0282	EA 6", 150 LB, Galvanized Malleable Iron Square Head Plug.....	306.85		28.13
	<i>For 300 LB Rating, Add</i>	902.21		
	<i>For Work In Restricted Working Space, Add</i>	12.67		
22 11 16 00-0283 Galvanized Malleable Iron Bushing <small>(22 11 16 00-0013)</small>				
22 11 16 00-0284	EA 3/4" x 1/2", 150 LB, Galvanized Malleable Iron Bushing.....	35.75		16.53
	<i>For Work In Restricted Working Space, Add</i>	7.46		
22 11 16 00-0285	EA 1" x 1/2", 150 LB, Galvanized Malleable Iron Bushing.....	39.43		17.59
	<i>For Work In Restricted Working Space, Add</i>	7.92		
22 11 16 00-0286	EA 1" x 3/4", 150 LB, Galvanized Malleable Iron Bushing.....	40.15		18.55
	<i>For Work In Restricted Working Space, Add</i>	8.34		
22 11 16 00-0287	EA 1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Bushing.....	46.58		18.91
	<i>For Work In Restricted Working Space, Add</i>	8.50		
22 11 16 00-0288	EA 1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Bushing.....	46.33		19.79
	<i>For Work In Restricted Working Space, Add</i>	8.92		
22 11 16 00-0289	EA 1-1/4" x 1", 150 LB, Galvanized Malleable Iron Bushing.....	47.86		20.85
	<i>For Work In Restricted Working Space, Add</i>	9.38		
22 11 16 00-0290	EA 1-1/2" x 1/2", 150 LB, Galvanized Malleable Iron Bushing.....	54.58		20.31
	<i>For Work In Restricted Working Space, Add</i>	9.14		
22 11 16 00-0291	EA 1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing.....	55.97		21.20
	<i>For Work In Restricted Working Space, Add</i>	9.55		
22 11 16 00-0292	EA 1-1/2" x 1", 150 LB, Galvanized Malleable Iron Bushing.....	55.13		22.26
	<i>For Work In Restricted Working Space, Add</i>	10.01		
22 11 16 00-0293	EA 1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing.....	55.39		23.57
	<i>For Work In Restricted Working Space, Add</i>	10.59		
22 11 16 00-0294	EA 2" x 1/2", 150 LB, Galvanized Malleable Iron Bushing.....	65.64		23.67
	<i>For Work In Restricted Working Space, Add</i>	10.65		
22 11 16 00-0295	EA 2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing.....	64.95		24.63
	<i>For Work In Restricted Working Space, Add</i>	11.07		
22 11 16 00-0296	EA 2" x 1", 150 LB, Galvanized Malleable Iron Bushing.....	64.95		25.60
	<i>For Work In Restricted Working Space, Add</i>	11.53		
22 11 16 00-0297	EA 2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing.....	66.89		26.92
	<i>For Work In Restricted Working Space, Add</i>	12.11		
22 11 16 00-0298	EA 2" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing.....	65.74		28.32
	<i>For Work In Restricted Working Space, Add</i>	12.74		
22 11 16 00-0299	EA 2-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing.....	91.93		32.19
	<i>For Work In Restricted Working Space, Add</i>	14.50		
22 11 16 00-0300	EA 2-1/2" x 1", 150 LB, Galvanized Malleable Iron Bushing.....	93.46		33.24
	<i>For Work In Restricted Working Space, Add</i>	14.96		
22 11 16 00-0301	EA 2-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing.....	95.39		34.48
	<i>For Work In Restricted Working Space, Add</i>	15.53		
22 11 16 00-0302	EA 2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing.....	96.71		35.97
	<i>For Work In Restricted Working Space, Add</i>	16.17		
22 11 16 00-0303	EA 2-1/2" x 2", 150 LB, Galvanized Malleable Iron Bushing.....	96.89		39.32
	<i>For Work In Restricted Working Space, Add</i>	17.69		
22 11 16 00-0304	EA 3" x 3/4", 150 LB, Galvanized Malleable Iron Bushing.....	117.00		39.58
	<i>For Work In Restricted Working Space, Add</i>	17.83		
22 11 16 00-0305	EA 3" x 1", 150 LB, Galvanized Malleable Iron Bushing.....	118.52		40.64
	<i>For Work In Restricted Working Space, Add</i>	18.29		
22 11 16 00-0306	EA 3" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing.....	120.46		41.96
	<i>For Work In Restricted Working Space, Add</i>	18.87		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0307 EA 3" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	121.45 19.50	43.37
22 11 16 00-0308 EA 3" x 2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	121.25 21.02	46.71
22 11 16 00-0309 EA 3" x 2-1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	135.62 24.44	54.35
22 11 16 00-0310 EA 4" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	181.46 18.24	40.48
22 11 16 00-0311 EA 4" x 1", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	182.90 18.67	41.48
22 11 16 00-0312 EA 4" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	184.72 19.22	42.73
22 11 16 00-0313 EA 4" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	186.72 19.82	44.06
22 11 16 00-0314 EA 4" x 2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	177.29 21.25	47.21
22 11 16 00-0315 EA 4" x 2-1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	202.25 24.47	54.43
22 11 16 00-0316 EA 4" x 3", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	204.76 27.62	61.40
22 11 16 00-0317 Galvanized Malleable Iron Floor Flange (22 11 16 00-0013)		
22 11 16 00-0318 EA 1/2", 150 LB, Galvanized Malleable Iron Floor Flange.....	64.81	32.14
22 11 16 00-0319 EA 3/4", 150 LB, Galvanized Malleable Iron Floor Flange.....	70.67	35.19
22 11 16 00-0320 EA 1", 150 LB, Galvanized Malleable Iron Floor Flange.....	82.89	39.75
22 11 16 00-0321 EA 1-1/4", 150 LB, Galvanized Malleable Iron Floor Flange.....	86.58	41.16
22 11 16 00-0322 EA 1-1/2", 150 LB, Galvanized Malleable Iron Floor Flange.....	94.26	44.78
22 11 16 00-0323 EA 2", 150 LB, Galvanized Malleable Iron Floor Flange.....	105.45	46.71
22 11 16 00-0324 Galvanized Cast Iron Flanges (22 11 16 00-0013)		
22 11 16 00-0325 EA 3/4", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	192.36 15.83	35.19
22 11 16 00-0326 EA 1", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	167.72 17.89	39.75
22 11 16 00-0327 EA 1-1/4", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	118.85 18.52	41.16
22 11 16 00-0328 EA 1-1/2", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	194.09 20.14	44.78
22 11 16 00-0329 EA 2", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	181.71 21.02	46.71
22 11 16 00-0330 EA 2-1/2", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	211.65 24.32	54.09
22 11 16 00-0331 EA 3", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	455.54 30.86	68.61
22 11 16 00-0332 EA 4", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	348.88 39.82	88.53
22 11 16 00-0333 EA 5", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	497.35 47.40	105.37
22 11 16 00-0334 EA 6", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	544.22 54.45	121.05
22 11 16 00-0335 Cut And Thread Existing In-Place Galvanized Steel Pipe (22 11 16 00-0013)		
Note: For use when connecting pipe to an existing in-place system.		
22 11 16 00-0336 EA 1/2", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	28.66 8.60	
22 11 16 00-0337 EA 3/4", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	31.53 9.46	
22 11 16 00-0338 EA 1", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	34.40 10.32	
22 11 16 00-0339 EA 1-1/4", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	37.26 11.18	
22 11 16 00-0340 EA 1-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	39.17 11.75	
22 11 16 00-0341 EA 2", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	41.09 12.33	
22 11 16 00-0342 EA 2-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	43.01 12.90	
22 11 16 00-0343 EA 3", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	44.91 13.47	
22 11 16 00-0344 EA 4", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	46.82 14.05	
22 11 16 00-0345 Copper Pipe And Fittings (22 11 16)		
Note: Excludes hangers. See CSI section 22 11 16 00-0876 for pipe with fittings assembly.		
22 11 16 00-0346 Copper Tube/Pipe (22 11 16 00-0345)		
Note: Pipe based on inside diameter size. Excludes hangers and fittings (couplers, tees, elbows, etc).		
22 11 16 00-0347 Hard Drawn Type L Copper Tube/Pipe (22 11 16 00-0346)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0348 LF 1/4" Hard Drawn Type L Copper Tube/Pipe	3.97	2.15
For Medical/Oxygen Service Tubing, Add	0.06	
For <20, Add	0.08	
For >150, Deduct	-0.15	
For Work In Restricted Working Space, Add	0.97	
22 11 16 00-0349 LF 3/8" Hard Drawn Type L Copper Tube/Pipe	4.45	2.23
For Medical/Oxygen Service Tubing, Add	0.09	
For <20, Add	0.11	
For >150, Deduct	-0.22	
For Work In Restricted Working Space, Add	1.01	
22 11 16 00-0350 LF 1/2" Hard Drawn Type L Copper Tube/Pipe	4.80	2.33
For Medical/Oxygen Service Tubing, Add	0.10	
For <20, Add	0.13	
For >150, Deduct	-0.26	
For Work In Restricted Working Space, Add	1.05	
22 11 16 00-0351 LF 3/4" Hard Drawn Type L Copper Tube/Pipe	5.82	2.47
For Medical/Oxygen Service Tubing, Add	0.17	
For <20, Add	0.21	
For >150, Deduct	-0.42	
For Work In Restricted Working Space, Add	1.11	
22 11 16 00-0352 LF 1" Hard Drawn Type L Copper Tube/Pipe	7.23	2.78
For Medical/Oxygen Service Tubing, Add	0.24	
For <20, Add	0.31	
For >150, Deduct	-0.61	
For Work In Restricted Working Space, Add	1.25	
22 11 16 00-0353 LF 1-1/4" Hard Drawn Type L Copper Tube/Pipe	10.41	4.13
For Medical/Oxygen Service Tubing, Add	0.34	
For <20, Add	0.42	
For >150, Deduct	-0.84	
For Work In Restricted Working Space, Add	1.86	
22 11 16 00-0354 LF 1-1/2" Hard Drawn Type L Copper Tube/Pipe	12.34	4.62
For Medical/Oxygen Service Tubing, Add	0.43	
For <20, Add	0.54	
For >150, Deduct	-1.08	
For Work In Restricted Working Space, Add	2.08	
22 11 16 00-0355 LF 2" Hard Drawn Type L Copper Tube/Pipe	17.10	5.69
For Medical/Oxygen Service Tubing, Add	0.69	
For <20, Add	0.86	
For >150, Deduct	-1.71	
For Work In Restricted Working Space, Add	2.56	
22 11 16 00-0356 LF 2-1/2" Hard Drawn Type L Copper Tube/Pipe	32.48	6.69
For Medical/Oxygen Service Tubing, Add	0.99	
For <20, Add	1.24	
For >150, Deduct	-2.48	
For Work In Restricted Working Space, Add	6.03	
22 11 16 00-0357 LF 3" Hard Drawn Type L Copper Tube/Pipe	40.16	7.89
For Medical/Oxygen Service Tubing, Add	1.32	
For <20, Add	1.65	
For >150, Deduct	-3.30	
For Work In Restricted Working Space, Add	7.10	
22 11 16 00-0358 LF 4" Hard Drawn Type L Copper Tube/Pipe	56.11	8.90
For Medical/Oxygen Service Tubing, Add	2.35	
For <20, Add	2.94	
For >150, Deduct	-5.89	
For Work In Restricted Working Space, Add	8.00	
22 11 16 00-0359 LF 5" Hard Drawn Type L Copper Tube/Pipe	82.64	10.22
For Medical/Oxygen Service Tubing, Add	4.16	
For <20, Add	5.20	
For >150, Deduct	-10.40	
For Work In Restricted Working Space, Add	9.20	
22 11 16 00-0360 LF 6" Hard Drawn Type L Copper Tube/Pipe	115.89	15.84
For Medical/Oxygen Service Tubing, Add	5.47	
For <20, Add	6.84	
For >150, Deduct	-13.68	
For Work In Restricted Working Space, Add	14.25	
22 11 16 00-0361 LF 8" Hard Drawn Type L Copper Tube/Pipe	181.68	17.61
For Medical/Oxygen Service Tubing, Add	10.31	
For <20, Add	12.89	
For >150, Deduct	-25.78	
For Work In Restricted Working Space, Add	15.84	
22 11 16 00-0362 Hard Drawn Type K Copper Tube/Pipe (22 11 16 00-0348)		
22 11 16 00-0363 LF 1/4" Hard Drawn Type K Copper Tube/Pipe	4.30	2.31
For Medical/Oxygen Service Tubing, Add	0.07	
For <20, Add	0.08	
For >150, Deduct	-0.17	
For Work In Restricted Working Space, Add	1.04	
22 11 16 00-0364 LF 3/8" Hard Drawn Type K Copper Tube/Pipe	5.46	2.40
For Medical/Oxygen Service Tubing, Add	0.12	
For <20, Add	0.15	
For >150, Deduct	-0.30	
For Work In Restricted Working Space, Add	1.19	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0365 LF 1/2" Hard Drawn Type K Copper Tube/Pipe	5.63	2.50
For Medical/Oxygen Service Tubing, Add	0.14	
For <20, Add	0.18	
For >150, Deduct	-0.35	
For Work In Restricted Working Space, Add	1.16	
22 11 16 00-0366 LF 3/4" Hard Drawn Type K Copper Tube/Pipe	7.66	2.66
For Medical/Oxygen Service Tubing, Add	0.25	
For <20, Add	0.32	
For >150, Deduct	-0.64	
For Work In Restricted Working Space, Add	1.34	
22 11 16 00-0367 LF 1" Hard Drawn Type K Copper Tube/Pipe	8.99	2.99
For Medical/Oxygen Service Tubing, Add	0.34	
For <20, Add	0.42	
For >150, Deduct	-0.85	
For Work In Restricted Working Space, Add	1.43	
22 11 16 00-0368 LF 1-1/4" Hard Drawn Type K Copper Tube/Pipe	12.02	4.45
For Medical/Oxygen Service Tubing, Add	0.42	
For <20, Add	0.53	
For >150, Deduct	-1.05	
For Work In Restricted Working Space, Add	2.03	
22 11 16 00-0369 LF 1-1/2" Hard Drawn Type K Copper Tube/Pipe	14.33	4.96
For Medical/Oxygen Service Tubing, Add	0.54	
For <20, Add	0.68	
For >150, Deduct	-1.35	
For Work In Restricted Working Space, Add	2.27	
22 11 16 00-0370 LF 2" Hard Drawn Type K Copper Tube/Pipe	19.67	6.13
For Medical/Oxygen Service Tubing, Add	0.83	
For <20, Add	1.04	
For >150, Deduct	-2.08	
For Work In Restricted Working Space, Add	2.79	
22 11 16 00-0371 LF 2-1/2" Hard Drawn Type K Copper Tube/Pipe	35.65	7.19
For Medical/Oxygen Service Tubing, Add	1.24	
For <20, Add	1.55	
For >150, Deduct	-3.09	
For Work In Restricted Working Space, Add	6.06	
22 11 16 00-0372 LF 3" Hard Drawn Type K Copper Tube/Pipe	47.16	8.48
For Medical/Oxygen Service Tubing, Add	1.69	
For <20, Add	2.11	
For >150, Deduct	-4.23	
For Work In Restricted Working Space, Add	7.81	
22 11 16 00-0373 LF 4" Hard Drawn Type K Copper Tube/Pipe	67.16	9.57
For Medical/Oxygen Service Tubing, Add	3.01	
For <20, Add	3.77	
For >150, Deduct	-7.53	
For Work In Restricted Working Space, Add	8.85	
22 11 16 00-0374 LF 5" Hard Drawn Type K Copper Tube/Pipe	103.83	10.99
For Medical/Oxygen Service Tubing, Add	5.52	
For <20, Add	6.90	
For >150, Deduct	-13.81	
For Work In Restricted Working Space, Add	10.44	
22 11 16 00-0375 LF 6" Hard Drawn Type K Copper Tube/Pipe	155.15	17.02
For Medical/Oxygen Service Tubing, Add	7.92	
For <20, Add	9.90	
For >150, Deduct	-19.81	
For Work In Restricted Working Space, Add	16.83	
22 11 16 00-0376 LF 8" Hard Drawn Type K Copper Tube/Pipe	247.29	18.93
For Medical/Oxygen Service Tubing, Add	14.84	
For <20, Add	18.55	
For >150, Deduct	-37.09	
For Work In Restricted Working Space, Add	18.55	
22 11 16 00-0377 Hard Drawn Type M Copper Tube/Pipe <small>(22 11 16 00-0346)</small>		
22 11 16 00-0378 LF 3/8" Hard Drawn Type M Copper Tube/Pipe	3.76	2.01
For <20, Add	0.09	
For >150, Deduct	-0.17	
For Work In Restricted Working Space, Add	0.87	
22 11 16 00-0379 LF 1/2" Hard Drawn Type M Copper Tube/Pipe	3.97	2.10
For <20, Add	0.10	
For >150, Deduct	-0.19	
For Work In Restricted Working Space, Add	0.90	
22 11 16 00-0380 LF 3/4" Hard Drawn Type M Copper Tube/Pipe	4.75	2.22
For <20, Add	0.16	
For >150, Deduct	-0.31	
For Work In Restricted Working Space, Add	0.96	
22 11 16 00-0381 LF 1" Hard Drawn Type M Copper Tube/Pipe	5.95	2.50
For <20, Add	0.24	
For >150, Deduct	-0.48	
For Work In Restricted Working Space, Add	1.07	
22 11 16 00-0382 LF 1-1/4" Hard Drawn Type M Copper Tube/Pipe	8.96	3.73
For <20, Add	0.35	
For >150, Deduct	-0.69	
For Work In Restricted Working Space, Add	1.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0383 LF 1-1/2" Hard Drawn Type M Copper Tube/Pipe	11.10	4.15
<i>For <20, Add</i>	0.48	
<i>For >150, Deduct</i>	-0.96	
<i>For Work In Restricted Working Space, Add</i>	1.89	
22 11 16 00-0384 LF 2" Hard Drawn Type M Copper Tube/Pipe	15.36	5.12
<i>For <20, Add</i>	0.75	
<i>For >150, Deduct</i>	-1.51	
<i>For Work In Restricted Working Space, Add</i>	2.35	
22 11 16 00-0385 LF 2-1/2" Hard Drawn Type M Copper Tube/Pipe	29.94	6.03
<i>For <20, Add</i>	1.09	
<i>For >150, Deduct</i>	-2.19	
<i>For Work In Restricted Working Space, Add</i>	5.70	
22 11 16 00-0386 LF 3" Hard Drawn Type M Copper Tube/Pipe	35.89	7.09
<i>For <20, Add</i>	1.46	
<i>For >150, Deduct</i>	-2.91	
<i>For Work In Restricted Working Space, Add</i>	6.40	
22 11 16 00-0387 LF 4" Hard Drawn Type M Copper Tube/Pipe	52.14	8.01
<i>For <20, Add</i>	2.72	
<i>For >150, Deduct</i>	-5.45	
<i>For Work In Restricted Working Space, Add</i>	7.47	
22 11 16 00-0388 LF 5" Hard Drawn Type M Copper Tube/Pipe	81.64	9.20
<i>For <20, Add</i>	5.29	
<i>For >150, Deduct</i>	-10.58	
<i>For Work In Restricted Working Space, Add</i>	8.63	
22 11 16 00-0389 LF 6" Hard Drawn Type M Copper Tube/Pipe	115.17	14.26
<i>For <20, Add</i>	7.07	
<i>For >150, Deduct</i>	-14.13	
<i>For Work In Restricted Working Space, Add</i>	13.35	
22 11 16 00-0390 LF 8" Hard Drawn Type M Copper Tube/Pipe	182.87	15.85
<i>For <20, Add</i>	13.39	
<i>For >150, Deduct</i>	-26.78	
<i>For Work In Restricted Working Space, Add</i>	14.69	
22 11 16 00-0391 Soft Drawn Type L Copper Tube (22 11 16 00-0346)		
22 11 16 00-0392 LF 1/4" Soft Drawn Type L Copper Tube	4.18	2.15
<i>For <20, Add</i>	0.10	
<i>For >150, Deduct</i>	-0.19	
<i>For Work In Restricted Working Space, Add</i>	0.97	
22 11 16 00-0393 LF 3/8" Soft Drawn Type L Copper Tube	4.85	2.23
<i>For <20, Add</i>	0.15	
<i>For >150, Deduct</i>	-0.30	
<i>For Work In Restricted Working Space, Add</i>	1.01	
22 11 16 00-0394 LF 1/2" Soft Drawn Type L Copper Tube	5.50	2.33
<i>For <20, Add</i>	0.20	
<i>For >150, Deduct</i>	-0.40	
<i>For Work In Restricted Working Space, Add</i>	1.05	
22 11 16 00-0395 LF 5/8" Soft Drawn Type L Copper Tube	6.18	2.40
<i>For <20, Add</i>	0.26	
<i>For >150, Deduct</i>	-0.51	
<i>For Work In Restricted Working Space, Add</i>	1.08	
22 11 16 00-0396 LF 3/4" Soft Drawn Type L Copper Tube	6.78	2.47
<i>For <20, Add</i>	0.31	
<i>For >150, Deduct</i>	-0.61	
<i>For Work In Restricted Working Space, Add</i>	1.11	
22 11 16 00-0397 LF 1" Soft Drawn Type L Copper Tube	8.42	2.78
<i>For <20, Add</i>	0.43	
<i>For >150, Deduct</i>	-0.85	
<i>For Work In Restricted Working Space, Add</i>	1.25	
22 11 16 00-0398 LF 1-1/4" Soft Drawn Type L Copper Tube	11.79	4.13
<i>For <20, Add</i>	0.56	
<i>For >150, Deduct</i>	-1.12	
<i>For Work In Restricted Working Space, Add</i>	1.86	
22 11 16 00-0399 LF 1-1/2" Soft Drawn Type L Copper Tube	14.50	4.62
<i>For <20, Add</i>	0.76	
<i>For >150, Deduct</i>	-1.52	
<i>For Work In Restricted Working Space, Add</i>	2.08	
22 11 16 00-0400 LF 2" Soft Drawn Type L Copper Tube	20.58	5.69
<i>For <20, Add</i>	1.21	
<i>For >150, Deduct</i>	-2.41	
<i>For Work In Restricted Working Space, Add</i>	2.56	
22 11 16 00-0401 Soft Drawn Type K Copper Tube (22 11 16 00-0346)		
22 11 16 00-0402 LF 1/4" Soft Drawn Type K Copper Tube	4.28	2.15
<i>For <20, Add</i>	0.11	
<i>For >150, Deduct</i>	-0.21	
<i>For Work In Restricted Working Space, Add</i>	0.97	
22 11 16 00-0403 LF 3/8" Soft Drawn Type K Copper Tube	5.16	2.23
<i>For <20, Add</i>	0.18	
<i>For >150, Deduct</i>	-0.36	
<i>For Work In Restricted Working Space, Add</i>	1.01	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0404	LF	1/2"	Soft Drawn Type K Copper Tube.....	5.76	2.33
			<i>For <20, Add</i>	0.23	
			<i>For >150, Deduct</i>	-0.45	
			<i>For Work In Restricted Working Space, Add</i>	1.05	
22 11 16 00-0405	LF	5/8"	Soft Drawn Type K Copper Tube.....	6.31	2.40
			<i>For <20, Add</i>	0.27	
			<i>For >150, Deduct</i>	-0.54	
			<i>For Work In Restricted Working Space, Add</i>	1.08	
22 11 16 00-0406	LF	3/4"	Soft Drawn Type K Copper Tube.....	7.89	2.47
			<i>For <20, Add</i>	0.42	
			<i>For >150, Deduct</i>	-0.84	
			<i>For Work In Restricted Working Space, Add</i>	1.11	
22 11 16 00-0407	LF	1"	Soft Drawn Type K Copper Tube.....	9.72	2.78
			<i>For <20, Add</i>	0.56	
			<i>For >150, Deduct</i>	-1.11	
			<i>For Work In Restricted Working Space, Add</i>	1.25	
22 11 16 00-0408	LF	1-1/4"	Soft Drawn Type K Copper Tube.....	12.75	4.13
			<i>For <20, Add</i>	0.66	
			<i>For >150, Deduct</i>	-1.31	
			<i>For Work In Restricted Working Space, Add</i>	1.86	
22 11 16 00-0409	LF	1-1/2"	Soft Drawn Type K Copper Tube.....	16.02	4.62
			<i>For <20, Add</i>	0.91	
			<i>For >150, Deduct</i>	-1.82	
			<i>For Work In Restricted Working Space, Add</i>	2.08	
22 11 16 00-0410	LF	2"	Soft Drawn Type K Copper Tube.....	22.67	5.69
			<i>For <20, Add</i>	1.41	
			<i>For >150, Deduct</i>	-2.83	
			<i>For Work In Restricted Working Space, Add</i>	2.56	
22 11 16 00-0411	LF	2-1/2"	Soft Drawn Type K Copper Tube.....	31.45	6.83
			<i>For <20, Add</i>	2.12	
			<i>For >150, Deduct</i>	-4.24	
			<i>For Work In Restricted Working Space, Add</i>	3.07	
22 11 16 00-0412	LF	3"	Soft Drawn Type K Copper Tube.....	41.58	8.06
			<i>For <20, Add</i>	2.95	
			<i>For >150, Deduct</i>	-5.90	
			<i>For Work In Restricted Working Space, Add</i>	3.62	
22 11 16 00-0413			Copper And Brass Fittings (22 11 16 00-0345)		
			Note: All fittings are based on 95/5 solder.		
22 11 16 00-0414			90 Degree Copper Elbows (22 11 16 00-0413)		
22 11 16 00-0415	EA	1/4"	90 Degree Copper Elbow	21.92	12.74
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.01	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.05	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.87	
			<i>For Street Fitting, Add</i>	1.12	
			<i>For Work In Restricted Working Space, Add</i>	5.73	
22 11 16 00-0416	EA	3/8"	90 Degree Copper Elbow	25.90	15.29
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.59	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.44	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.44	
			<i>For Street Fitting, Add</i>	1.19	
			<i>For Work In Restricted Working Space, Add</i>	6.88	
22 11 16 00-0417	EA	1/2"	90 Degree Copper Elbow	32.49	21.02
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.78	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.20	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.73	
			<i>For Street Fitting, Add</i>	0.38	
			<i>For Work In Restricted Working Space, Add</i>	9.46	
22 11 16 00-0418	EA	3/4"	90 Degree Copper Elbow	41.34	26.18
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.98	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.03	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.88	
			<i>For Street Fitting, Add</i>	0.87	
			<i>For Work In Restricted Working Space, Add</i>	11.75	
22 11 16 00-0419	EA	1"	90 Degree Copper Elbow	52.12	31.25
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.29	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.95	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.02	
			<i>For Street Fitting, Add</i>	2.12	
			<i>For Work In Restricted Working Space, Add</i>	14.05	
22 11 16 00-0420	EA	1-1/4"	90 Degree Copper Elbow	58.58	33.82
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.99	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.46	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.60	
			<i>For Street Fitting, Add</i>	3.17	
			<i>For Work In Restricted Working Space, Add</i>	15.20	
22 11 16 00-0421	EA	1-1/2"	90 Degree Copper Elbow	67.83	36.98
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.93	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.16	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.31	
			<i>For Street Fitting, Add</i>	4.96	
			<i>For Work In Restricted Working Space, Add</i>	16.63	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 16 00-0422	EA		2" 90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	84.72 10.45 -7.34 9.32 9.04 18.64	41.47
	22 11 16 00-0423	EA		2-1/2" 90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	107.65 11.72 -8.55 9.50 19.00	42.22
	22 11 16 00-0424	EA		3" 90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	138.14 14.47 -10.69 11.35 22.69	50.49
	22 11 16 00-0425	EA		4" 90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	258.97 23.68 -18.31 16.10 32.19	71.60
	22 11 16 00-0426	EA		5" 90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	782.22 53.80 -46.46 22.03 44.07	97.98
	22 11 16 00-0427	EA		6" 90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,060.67 74.41 -63.72 32.06 64.12	142.58
	22 11 16 00-0428	EA		8" 90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,418.24 199.41 -185.16 42.75 85.49	190.08
	22 11 16 00-0429			90 Degree Brass Elbows (22 11 16 00-0413)		
	22 11 16 00-0430	EA		1/2" Drop Ear 90 Degree Brass Elbow..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	37.58 5.03 -3.46 4.73 9.46	21.02
	22 11 16 00-0431	EA		3/4" Drop Ear 90 Degree Brass Elbow..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	56.82 6.76 -4.80 5.88 11.75	26.18
	22 11 16 00-0432	EA		1/2" Flanged Sink 90 Degree Brass Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	42.56 5.28 -3.70 4.73 9.46	21.02
	22 11 16 00-0433	EA		3/8" Drop Ear 90 Degree Brass Elbow, Solder X Threaded..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	31.98 3.89 -2.75 3.44 6.88	15.29
	22 11 16 00-0434	EA		1/2" Drop Ear 90 Degree Brass Elbow, Solder X Threaded..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	38.01 5.05 -3.48 4.73 9.46	21.02
	22 11 16 00-0435	EA		3/4" Drop Ear 90 Degree Brass Elbow, Solder X Threaded..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	50.58 6.45 -4.49 5.88 11.75	26.18
	22 11 16 00-0436	EA		1" Drop Ear 90 Degree Brass Elbow, Solder X Threaded..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	83.24 8.84 -6.50 7.02 14.05	31.25
	22 11 16 00-0437			Reducing 90 Degree Copper Elbows (22 11 16 00-0413)		
	22 11 16 00-0438	EA		1/2" Reducing 90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.35 5.12 -3.54 4.73 9.46	21.02

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0439	EA		3/4" Reducing 90 Degree Copper Elbow	44.71	26.18
			For Silver Solder Instead Of 95/5 Solder, Add	6.15	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.19	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.88	
			For Work In Restricted Working Space, Add	11.75	
22 11 16 00-0440	EA		1" Reducing 90 Degree Copper Elbow	57.00	31.25
			For Silver Solder Instead Of 95/5 Solder, Add	7.53	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.19	
			For Brazed Fittings Instead Of 95/5 Solder, Add	7.02	
			For Work In Restricted Working Space, Add	14.05	
22 11 16 00-0441	EA		1-1/4" Reducing 90 Degree Copper Elbow	76.57	33.82
			For Silver Solder Instead Of 95/5 Solder, Add	8.89	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.36	
			For Brazed Fittings Instead Of 95/5 Solder, Add	7.60	
			For Work In Restricted Working Space, Add	15.20	
22 11 16 00-0442	EA		1-1/2" Reducing 90 Degree Copper Elbow	89.49	36.98
			For Silver Solder Instead Of 95/5 Solder, Add	10.02	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.25	
			For Brazed Fittings Instead Of 95/5 Solder, Add	8.31	
			For Work In Restricted Working Space, Add	16.63	
22 11 16 00-0443	EA		2" Reducing 90 Degree Copper Elbow	107.97	41.47
			For Silver Solder Instead Of 95/5 Solder, Add	11.61	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.50	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.32	
			For Work In Restricted Working Space, Add	18.64	
22 11 16 00-0444			45 Degree Copper Elbows (22 11 16 00-0413)		
22 11 16 00-0445	EA		1/4" 45 Degree Copper Elbow	24.36	12.74
			For Silver Solder Instead Of 95/5 Solder, Add	3.13	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.17	
			For Brazed Fittings Instead Of 95/5 Solder, Add	2.87	
			For Street Fitting, Add	2.10	
			For Work In Restricted Working Space, Add	5.73	
22 11 16 00-0446	EA		3/8" 45 Degree Copper Elbow	27.43	15.29
			For Silver Solder Instead Of 95/5 Solder, Add	3.66	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.52	
			For Brazed Fittings Instead Of 95/5 Solder, Add	3.44	
			For Street Fitting, Add	1.80	
			For Work In Restricted Working Space, Add	6.88	
22 11 16 00-0447	EA		1/2" 45 Degree Copper Elbow	33.30	21.02
			For Silver Solder Instead Of 95/5 Solder, Add	4.82	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.24	
			For Brazed Fittings Instead Of 95/5 Solder, Add	4.73	
			For Street Fitting, Add	0.71	
			For Work In Restricted Working Space, Add	9.46	
22 11 16 00-0448	EA		3/4" 45 Degree Copper Elbow	42.20	26.18
			For Silver Solder Instead Of 95/5 Solder, Add	6.03	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.07	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.88	
			For Street Fitting, Add	1.21	
			For Work In Restricted Working Space, Add	11.75	
22 11 16 00-0449	EA		1" 45 Degree Copper Elbow	54.37	31.25
			For Silver Solder Instead Of 95/5 Solder, Add	7.40	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.06	
			For Brazed Fittings Instead Of 95/5 Solder, Add	7.02	
			For Street Fitting, Add	3.02	
			For Work In Restricted Working Space, Add	14.05	
22 11 16 00-0450	EA		1-1/4" 45 Degree Copper Elbow	60.88	33.82
			For Silver Solder Instead Of 95/5 Solder, Add	8.11	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.58	
			For Brazed Fittings Instead Of 95/5 Solder, Add	7.60	
			For Street Fitting, Add	4.09	
			For Work In Restricted Working Space, Add	15.20	
22 11 16 00-0451	EA		1-1/2" 45 Degree Copper Elbow	67.99	36.98
			For Silver Solder Instead Of 95/5 Solder, Add	8.94	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.17	
			For Brazed Fittings Instead Of 95/5 Solder, Add	8.31	
			For Street Fitting, Add	5.02	
			For Work In Restricted Working Space, Add	16.63	
22 11 16 00-0452	EA		2" 45 Degree Copper Elbow	83.06	41.47
			For Silver Solder Instead Of 95/5 Solder, Add	10.37	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.26	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.32	
			For Work In Restricted Working Space, Add	18.64	
22 11 16 00-0453	EA		2-1/2" 45 Degree Copper Elbow	107.12	42.22
			For Silver Solder Instead Of 95/5 Solder, Add	11.69	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.52	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.50	
			For Work In Restricted Working Space, Add	19.00	
22 11 16 00-0454	EA		3" 45 Degree Copper Elbow	140.61	50.49
			For Silver Solder Instead Of 95/5 Solder, Add	14.59	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.81	
			For Brazed Fittings Instead Of 95/5 Solder, Add	11.35	
			For Work In Restricted Working Space, Add	22.69	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11	16 00-0455	EA	4" 45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	245.84 23.02 -17.66 16.10 32.19	71.60
	22 11	16 00-0456	EA	5" 45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	683.40 48.86 -41.51 22.03 44.07	97.98
	22 11	16 00-0457	EA	6" 45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,059.23 74.33 -63.65 32.06 64.12	142.58
	22 11	16 00-0458	EA	8" 45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,157.94 186.40 -172.15 42.75 85.49	190.08
22 11 16 00-0459 Straight Copper And Brass Tees (22 11 16 00-0413)						
	22 11	16 00-0460	EA	1/4" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	34.55 4.59 -3.16 4.30 8.60	19.11
	22 11	16 00-0461	EA	3/8" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.14 5.40 -3.68 5.16 10.32	22.93
	22 11	16 00-0462	EA	1/2" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	49.43 7.25 -4.86 7.17 14.33	31.91
	22 11	16 00-0463	EA	3/4" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	63.21 9.09 -6.12 8.89 17.78	39.56
	22 11	16 00-0464	EA	1" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	82.64 11.20 -7.67 10.61 21.22	47.20
	22 11	16 00-0465	EA	1-1/4" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	93.05 12.30 -8.48 11.47 22.94	51.03
	22 11	16 00-0466	EA	1-1/2" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	108.26 13.73 -9.57 12.47 24.94	55.43
	22 11	16 00-0467	EA	2" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	133.58 16.04 -11.36 14.05 28.10	62.50
	22 11	16 00-0468	EA	2-1/2" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	173.99 18.20 -13.45 14.25 28.50	63.33
	22 11	16 00-0469	EA	3" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	235.04 23.19 -17.47 17.15 34.30	76.26
	22 11	16 00-0470	EA	4" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	452.20 38.62 -30.61 24.01 48.02	106.78
	22 11	16 00-0471	EA	5" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,173.94 80.60 -69.65 32.85 65.71	146.10

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0472 EA 6" Straight Copper Tee	1,626.40	214.18
For Silver Solder Instead Of 95/5 Solder, Add	113.42	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-97.37	
For Brazed Fittings Instead Of 95/5 Solder, Add	48.16	
For Work In Restricted Working Space, Add	96.31	
22 11 16 00-0473 EA 8" Straight Copper Tee	5,462.87	285.16
For Silver Solder Instead Of 95/5 Solder, Add	315.89	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-294.52	
For Brazed Fittings Instead Of 95/5 Solder, Add	64.12	
For Work In Restricted Working Space, Add	128.24	
22 11 16 00-0474 EA 1/2" Cast Bronze Drop Ear Tee	57.97	31.91
For Silver Solder Instead Of 95/5 Solder, Add	7.68	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.29	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.17	
For Work In Restricted Working Space, Add	14.33	
22 11 16 00-0475 Reducing Copper Tees (22 11 16 00-0413)		
22 11 16 00-0476 EA 3/8" Reducing Copper Tee.....	39.95	20.36
For Silver Solder Instead Of 95/5 Solder, Add	5.06	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.53	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.59	
For Work In Restricted Working Space, Add	9.17	
22 11 16 00-0477 EA 1/2" Reducing Copper Tee.....	51.25	28.66
For Silver Solder Instead Of 95/5 Solder, Add	6.86	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.71	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.45	
For Work In Restricted Working Space, Add	12.90	
22 11 16 00-0478 EA 3/4" Reducing Copper Tee.....	59.63	36.98
For Silver Solder Instead Of 95/5 Solder, Add	8.52	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.75	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.31	
For Work In Restricted Working Space, Add	16.63	
22 11 16 00-0479 EA 1" Reducing Copper Tee.....	80.25	44.63
For Silver Solder Instead Of 95/5 Solder, Add	10.70	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.36	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.03	
For Work In Restricted Working Space, Add	20.07	
22 11 16 00-0480 EA 1-1/4" Reducing Copper Tee	92.90	48.45
For Silver Solder Instead Of 95/5 Solder, Add	11.91	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.28	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.89	
For Work In Restricted Working Space, Add	21.79	
22 11 16 00-0481 EA 1-1/2" Reducing Copper Tee	107.97	52.94
For Silver Solder Instead Of 95/5 Solder, Add	13.33	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.36	
For Brazed Fittings Instead Of 95/5 Solder, Add	11.90	
For Work In Restricted Working Space, Add	23.80	
22 11 16 00-0482 EA 2" Reducing Copper Tee.....	130.30	59.25
For Silver Solder Instead Of 95/5 Solder, Add	15.40	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.96	
For Brazed Fittings Instead Of 95/5 Solder, Add	13.33	
For Work In Restricted Working Space, Add	26.66	
22 11 16 00-0483 EA 2-1/2" Reducing Copper Tee	178.01	61.05
For Silver Solder Instead Of 95/5 Solder, Add	18.05	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-13.47	
For Brazed Fittings Instead Of 95/5 Solder, Add	13.72	
For Work In Restricted Working Space, Add	27.44	
22 11 16 00-0484 EA 3" Reducing Copper Tee.....	247.67	70.36
For Silver Solder Instead Of 95/5 Solder, Add	22.94	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-17.66	
For Brazed Fittings Instead Of 95/5 Solder, Add	15.83	
For Work In Restricted Working Space, Add	31.67	
22 11 16 00-0485 EA 4" Reducing Copper Tee.....	429.37	86.81
For Silver Solder Instead Of 95/5 Solder, Add	34.49	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-27.98	
For Brazed Fittings Instead Of 95/5 Solder, Add	19.53	
For Work In Restricted Working Space, Add	39.05	
22 11 16 00-0486 Copper Couplings (22 11 16 00-0413)		
22 11 16 00-0487 EA 1/4" Copper Coupling.....	19.67	12.74
For Silver Solder Instead Of 95/5 Solder, Add	2.89	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.94	
For Brazed Fittings Instead Of 95/5 Solder, Add	2.87	
For Work In Restricted Working Space, Add	5.73	
22 11 16 00-0488 EA 3/8" Copper Coupling.....	23.68	15.29
For Silver Solder Instead Of 95/5 Solder, Add	3.48	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.33	
For Brazed Fittings Instead Of 95/5 Solder, Add	3.44	
For Work In Restricted Working Space, Add	6.88	
22 11 16 00-0489 EA 1/2" Copper Coupling.....	32.15	21.02
For Silver Solder Instead Of 95/5 Solder, Add	4.76	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.18	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.73	
For Work In Restricted Working Space, Add	9.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0490 EA 3/4" Copper Coupling.....	40.43	26.18
For Silver Solder Instead Of 95/5 Solder, Add	5.94	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.98	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.88	
For Work In Restricted Working Space, Add	11.75	
22 11 16 00-0491 EA 1" Copper Coupling.....	49.31	31.25
For Silver Solder Instead Of 95/5 Solder, Add	7.15	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.81	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.02	
For Work In Restricted Working Space, Add	14.05	
22 11 16 00-0492 EA 1-1/4" Copper Coupling	55.04	33.82
For Silver Solder Instead Of 95/5 Solder, Add	7.82	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.28	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.60	
For Work In Restricted Working Space, Add	15.20	
22 11 16 00-0493 EA 1-1/2" Copper Coupling	61.24	36.98
For Silver Solder Instead Of 95/5 Solder, Add	8.61	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.83	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.31	
For Work In Restricted Working Space, Add	16.63	
22 11 16 00-0494 EA 2" Copper Coupling.....	71.79	41.09
For Silver Solder Instead Of 95/5 Solder, Add	9.80	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.70	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.32	
For Work In Restricted Working Space, Add	18.64	
22 11 16 00-0495 EA 2-1/2" Copper Coupling	79.68	39.94
For Silver Solder Instead Of 95/5 Solder, Add	9.97	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.97	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.97	
For Work In Restricted Working Space, Add	17.94	
22 11 16 00-0496 EA 3" Copper Coupling.....	99.17	48.38
For Silver Solder Instead Of 95/5 Solder, Add	12.17	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.56	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.82	
For Work In Restricted Working Space, Add	21.64	
22 11 16 00-0497 EA 4" Copper Coupling.....	156.34	65.09
For Silver Solder Instead Of 95/5 Solder, Add	17.49	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.65	
For Brazed Fittings Instead Of 95/5 Solder, Add	14.51	
For Work In Restricted Working Space, Add	29.03	
22 11 16 00-0498 EA 5" Copper Coupling.....	256.12	118.74
For Silver Solder Instead Of 95/5 Solder, Add	26.00	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-19.40	
For Brazed Fittings Instead Of 95/5 Solder, Add	19.79	
For Work In Restricted Working Space, Add	39.58	
22 11 16 00-0499 EA 6" Copper Coupling.....	398.73	129.03
For Silver Solder Instead Of 95/5 Solder, Add	39.29	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-29.61	
For Brazed Fittings Instead Of 95/5 Solder, Add	29.03	
For Work In Restricted Working Space, Add	58.05	
22 11 16 00-0500 EA 8" Copper Coupling.....	922.06	171.08
For Silver Solder Instead Of 95/5 Solder, Add	71.79	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-58.95	
For Brazed Fittings Instead Of 95/5 Solder, Add	38.53	
For Work In Restricted Working Space, Add	77.05	
22 11 16 00-0501 Reducing Copper Couplings (22 11 16 00-0413)		
22 11 16 00-0502 EA 3/8" Reducing Copper Coupling	20.34	12.71
For Silver Solder Instead Of 95/5 Solder, Add	2.93	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.97	
For Brazed Fittings Instead Of 95/5 Solder, Add	2.87	
For Work In Restricted Working Space, Add	5.73	
22 11 16 00-0503 EA 1/2" Reducing Copper Coupling	28.53	18.15
For Silver Solder Instead Of 95/5 Solder, Add	4.15	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.79	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.09	
For Work In Restricted Working Space, Add	8.17	
22 11 16 00-0504 EA 3/4" Reducing Copper Coupling	37.57	23.61
For Silver Solder Instead Of 95/5 Solder, Add	5.41	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.65	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.30	
For Work In Restricted Working Space, Add	10.61	
22 11 16 00-0505 EA 1" Reducing Copper Coupling	47.02	28.66
For Silver Solder Instead Of 95/5 Solder, Add	6.65	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.50	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.45	
For Work In Restricted Working Space, Add	12.90	
22 11 16 00-0506 EA 1-1/4" Reducing Copper Coupling	54.34	32.49
For Silver Solder Instead Of 95/5 Solder, Add	7.59	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.15	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.31	
For Work In Restricted Working Space, Add	14.62	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0507	EA		1-1/2" Reducing Copper Coupling	62.30	35.35
			For Silver Solder Instead Of 95/5 Solder, Add	8.42	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.77	
			For Brazed Fittings Instead Of 95/5 Solder, Add	7.95	
			For Work In Restricted Working Space, Add	15.91	
22 11 16 00-0508	EA		2" Reducing Copper Coupling.....	73.10	39.17
			For Silver Solder Instead Of 95/5 Solder, Add	9.53	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.59	
			For Brazed Fittings Instead Of 95/5 Solder, Add	8.82	
			For Work In Restricted Working Space, Add	17.63	
22 11 16 00-0509	EA		2-1/2" Reducing Copper Coupling	89.73	40.20
			For Silver Solder Instead Of 95/5 Solder, Add	10.51	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.50	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.04	
			For Work In Restricted Working Space, Add	18.08	
22 11 16 00-0510	EA		3" Reducing Copper Coupling.....	105.94	46.62
			For Silver Solder Instead Of 95/5 Solder, Add	12.25	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.77	
			For Brazed Fittings Instead Of 95/5 Solder, Add	10.42	
			For Work In Restricted Working Space, Add	20.85	
22 11 16 00-0511	EA		4" Reducing Copper Coupling.....	163.83	61.05
			For Silver Solder Instead Of 95/5 Solder, Add	17.34	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.77	
			For Brazed Fittings Instead Of 95/5 Solder, Add	13.72	
			For Work In Restricted Working Space, Add	27.44	
22 11 16 00-0512	EA		5" Reducing Copper Coupling.....	410.49	85.05
			For Silver Solder Instead Of 95/5 Solder, Add	33.28	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-26.90	
			For Brazed Fittings Instead Of 95/5 Solder, Add	19.13	
			For Work In Restricted Working Space, Add	38.26	
22 11 16 00-0513	EA		6" Reducing Copper Coupling.....	609.68	114.34
			For Silver Solder Instead Of 95/5 Solder, Add	47.64	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-39.06	
			For Brazed Fittings Instead Of 95/5 Solder, Add	25.73	
			For Work In Restricted Working Space, Add	51.45	
22 11 16 00-0514	EA		8" Reducing Copper Coupling.....	1,178.68	166.61
			For Silver Solder Instead Of 95/5 Solder, Add	83.91	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-71.42	
			For Brazed Fittings Instead Of 95/5 Solder, Add	37.47	
			For Work In Restricted Working Space, Add	74.94	
22 11 16 00-0515			Male Copper Adapters (22 11 16 00-0413)		
22 11 16 00-0516	EA		1/4" Male Copper Adapter.....	29.05	12.42
			For Silver Solder Instead Of 95/5 Solder, Add	3.36	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.41	
			For Brazed Fittings Instead Of 95/5 Solder, Add	2.87	
			For Work In Restricted Working Space, Add	5.73	
22 11 16 00-0517	EA		3/8" Male Copper Adapter.....	27.88	15.29
			For Silver Solder Instead Of 95/5 Solder, Add	3.69	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.54	
			For Brazed Fittings Instead Of 95/5 Solder, Add	3.44	
			For Work In Restricted Working Space, Add	6.88	
22 11 16 00-0518	EA		1/2" Male Copper Adapter.....	30.67	19.11
			For Silver Solder Instead Of 95/5 Solder, Add	4.40	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.97	
			For Brazed Fittings Instead Of 95/5 Solder, Add	4.30	
			For Work In Restricted Working Space, Add	8.60	
22 11 16 00-0519	EA		3/4" Male Copper Adapter.....	38.75	23.89
			For Silver Solder Instead Of 95/5 Solder, Add	5.47	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.71	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.30	
			For Work In Restricted Working Space, Add	10.61	
22 11 16 00-0520	EA		1" Male Copper Adapter.....	49.74	27.71
			For Silver Solder Instead Of 95/5 Solder, Add	6.60	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.54	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.16	
			For Work In Restricted Working Space, Add	12.33	
22 11 16 00-0521	EA		1-1/4" Male Copper Adapter	60.36	31.53
			For Silver Solder Instead Of 95/5 Solder, Add	7.80	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.41	
			For Brazed Fittings Instead Of 95/5 Solder, Add	7.17	
			For Work In Restricted Working Space, Add	14.33	
22 11 16 00-0522	EA		1-1/2" Male Copper Adapter	69.20	36.31
			For Silver Solder Instead Of 95/5 Solder, Add	8.91	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.18	
			For Brazed Fittings Instead Of 95/5 Solder, Add	8.17	
			For Work In Restricted Working Space, Add	16.34	
22 11 16 00-0523	EA		2" Male Copper Adapter.....	94.69	46.35
			For Silver Solder Instead Of 95/5 Solder, Add	11.71	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.22	
			For Brazed Fittings Instead Of 95/5 Solder, Add	10.46	
			For Work In Restricted Working Space, Add	20.93	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0524	EA			2-1/2" Male Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	169.13 17.44 -12.95 13.47 26.95	60.21
22 11 16 00-0525	EA			3" Male Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	224.60 23.19 -17.21 17.94 35.89	80.26
22 11 16 00-0526	EA			4" Male Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	336.76 33.73 -25.28 25.33 50.66	112.58
22 11 16 00-0527 Female Copper Adapters (22 11 16 00-0413)						
22 11 16 00-0528	EA			1/4" Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.46 3.18 -2.23 2.87 5.73	12.42
22 11 16 00-0529	EA			3/8" Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	29.57 3.77 -2.63 3.44 6.88	15.29
22 11 16 00-0530	EA			1/2" Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	31.87 4.46 -3.03 4.30 8.60	19.11
22 11 16 00-0531	EA			3/4" Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.74 5.52 -3.75 5.30 10.61	23.89
22 11 16 00-0532	EA			1" Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	51.13 6.67 -4.61 6.16 12.33	27.71
22 11 16 00-0533	EA			1-1/4" Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	62.50 7.90 -5.51 7.17 14.33	31.53
22 11 16 00-0534	EA			1-1/2" Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	77.53 9.32 -6.60 8.17 16.34	36.31
22 11 16 00-0535	EA			2" Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	101.04 12.03 -8.54 10.46 20.93	46.35
22 11 16 00-0536	EA			2-1/2" Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	194.57 18.00 -13.86 12.40 24.80	55.41
22 11 16 00-0537	EA			3" Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	308.10 27.37 -21.39 17.94 35.89	80.26
22 11 16 00-0538 Wrot Copper, Solder Union (22 11 16 00-0413)						
22 11 16 00-0539	EA			1/4" Wrot Copper, Solder Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	36.97 4.14 -3.00 3.44 6.88	15.29
22 11 16 00-0540	EA			3/8" Wrot Copper, Solder Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	42.18 4.88 -3.49 4.16 8.31	18.45
22 11 16 00-0541	EA			1/2" Wrot Copper, Solder Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	43.34 5.61 -3.89 5.16 10.32	22.93

22	Plumbing
22 10	Plumbing Piping
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0542 EA 3/4" Wrot Copper, Solder Union.....	50.17	26.18
For Silver Solder Instead Of 95/5 Solder, Add	6.43	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.47	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.88	
For Work In Restricted Working Space, Add	11.75	
22 11 16 00-0543 EA 1" Wrot Copper, Solder Union.....	65.72	31.25
For Silver Solder Instead Of 95/5 Solder, Add	7.97	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.63	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.02	
For Work In Restricted Working Space, Add	14.05	
22 11 16 00-0544 EA 1-1/4" Wrot Copper, Solder Union.....	78.98	34.40
For Silver Solder Instead Of 95/5 Solder, Add	9.11	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.53	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.74	
For Work In Restricted Working Space, Add	15.48	
22 11 16 00-0545 EA 1-1/2" Wrot Copper, Solder Union.....	95.92	38.22
For Silver Solder Instead Of 95/5 Solder, Add	10.53	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.66	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.60	
For Work In Restricted Working Space, Add	17.20	
22 11 16 00-0546 EA 2" Wrot Copper, Solder Union.....	134.57	45.86
For Silver Solder Instead Of 95/5 Solder, Add	13.61	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.17	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.32	
For Work In Restricted Working Space, Add	20.64	
22 11 16 00-0547 EA 2-1/2" Wrot Copper, Solder Union.....	255.01	50.49
For Silver Solder Instead Of 95/5 Solder, Add	20.31	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-16.53	
For Brazed Fittings Instead Of 95/5 Solder, Add	11.35	
For Work In Restricted Working Space, Add	22.69	
22 11 16 00-0548 EA 3" Wrot Copper, Solder Union.....	571.47	71.60
For Silver Solder Instead Of 95/5 Solder, Add	39.30	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-33.94	
For Brazed Fittings Instead Of 95/5 Solder, Add	16.10	
For Work In Restricted Working Space, Add	32.19	
22 11 16 00-0549 Cast Bronze, Solder Union (22 11 16 00-0413)		
22 11 16 00-0550 EA 1/4" Cast Bronze, Solder Union.....	42.15	15.29
For Silver Solder Instead Of 95/5 Solder, Add	4.40	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.25	
For Brazed Fittings Instead Of 95/5 Solder, Add	3.44	
For Work In Restricted Working Space, Add	6.88	
22 11 16 00-0551 EA 3/8" Cast Bronze, Solder Union.....	47.06	18.45
For Silver Solder Instead Of 95/5 Solder, Add	5.12	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.74	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.16	
For Work In Restricted Working Space, Add	8.31	
22 11 16 00-0552 EA 1/2" Cast Bronze, Solder Union.....	44.70	22.93
For Silver Solder Instead Of 95/5 Solder, Add	5.68	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.96	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.16	
For Work In Restricted Working Space, Add	10.32	
22 11 16 00-0553 EA 3/4" Cast Bronze, Solder Union.....	52.09	26.18
For Silver Solder Instead Of 95/5 Solder, Add	6.52	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.56	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.88	
For Work In Restricted Working Space, Add	11.75	
22 11 16 00-0554 EA 1" Cast Bronze, Solder Union.....	69.06	31.25
For Silver Solder Instead Of 95/5 Solder, Add	8.14	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.79	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.02	
For Work In Restricted Working Space, Add	14.05	
22 11 16 00-0555 EA 1-1/4" Cast Bronze, Solder Union.....	88.10	34.40
For Silver Solder Instead Of 95/5 Solder, Add	9.57	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.99	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.74	
For Work In Restricted Working Space, Add	15.48	
22 11 16 00-0556 EA 1-1/2" Cast Bronze, Solder Union.....	105.44	38.22
For Silver Solder Instead Of 95/5 Solder, Add	11.01	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.14	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.60	
For Work In Restricted Working Space, Add	17.20	
22 11 16 00-0557 EA 2" Cast Bronze, Solder Union.....	150.78	45.86
For Silver Solder Instead Of 95/5 Solder, Add	14.42	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.98	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.32	
For Work In Restricted Working Space, Add	20.64	
22 11 16 00-0558 EA 2-1/2" Cast Bronze, Solder Union.....	255.00	50.49
For Silver Solder Instead Of 95/5 Solder, Add	20.31	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-16.53	
For Brazed Fittings Instead Of 95/5 Solder, Add	11.35	
For Work In Restricted Working Space, Add	22.69	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0559	EA		3" Cast Bronze, Solder Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	571.47 39.30 -33.94 16.10 32.19	71.60
22 11 16 00-0560 Cast Bronze, Solder X Female Threaded Union <small>(22 11 16 00-0413)</small>					
22 11 16 00-0561	EA		1/4" Cast Bronze, Solder X Female Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	49.14 4.75 -3.60 3.44 6.88	15.29
22 11 16 00-0562	EA		3/8" Cast Bronze, Solder X Female Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	54.83 5.51 -4.13 4.16 8.31	18.45
22 11 16 00-0563	EA		1/2" Cast Bronze, Solder X Female Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	55.94 6.24 -4.52 5.16 10.32	22.93
22 11 16 00-0564	EA		3/4" Cast Bronze, Solder X Female Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	68.53 7.34 -5.39 5.88 11.75	26.18
22 11 16 00-0565	EA		1" Cast Bronze, Solder X Female Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	107.90 10.08 -7.74 7.02 14.05	31.25
22 11 16 00-0566	EA		1-1/4" Cast Bronze, Solder X Female Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	165.43 13.43 -10.85 7.74 15.48	34.40
22 11 16 00-0567	EA		1-1/2" Cast Bronze, Solder X Female Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	201.54 15.81 -12.94 8.60 17.20	38.22
22 11 16 00-0568	EA		2" Cast Bronze, Solder X Female Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	312.89 22.52 -19.08 10.32 20.64	45.86
22 11 16 00-0569	EA		2-1/2" Cast Bronze, Solder X Female Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	538.35 34.48 -30.70 11.35 22.69	50.49
22 11 16 00-0570 Cast Bronze, Solder X Male Threaded Union <small>(22 11 16 00-0413)</small>					
22 11 16 00-0571	EA		1/4" Cast Bronze, Solder X Male Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	42.90 4.44 -3.29 3.44 6.88	15.29
22 11 16 00-0572	EA		3/8" Cast Bronze, Solder X Male Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	51.01 5.32 -3.94 4.16 8.31	18.45
22 11 16 00-0573	EA		1/2" Cast Bronze, Solder X Male Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	51.40 6.01 -4.29 5.16 10.32	22.93
22 11 16 00-0574	EA		3/4" Cast Bronze, Solder X Male Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	64.69 7.15 -5.19 5.88 11.75	26.18
22 11 16 00-0575	EA		1" Cast Bronze, Solder X Male Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	109.66 10.17 -7.82 7.02 14.05	31.25
22 11 16 00-0576	EA		1-1/4" Cast Bronze, Solder X Male Threaded Union..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	129.56 11.64 -9.06 7.74 15.48	34.40

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0577	EA		1-1/2" Cast Bronze, Solder X Male Threaded Union.....	139.21	38.22
			For Silver Solder Instead Of 95/5 Solder, Add	12.69	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.83	
			For Brazed Fittings Instead Of 95/5 Solder, Add	8.60	
			For Work In Restricted Working Space, Add	17.20	
22 11 16 00-0578	EA		2" Cast Bronze, Solder X Male Threaded Union.....	194.56	45.86
			For Silver Solder Instead Of 95/5 Solder, Add	16.61	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-13.17	
			For Brazed Fittings Instead Of 95/5 Solder, Add	10.32	
			For Work In Restricted Working Space, Add	20.64	
22 11 16 00-0579	EA		2-1/2" Cast Bronze, Solder X Male Threaded Union.....	444.18	50.49
			For Silver Solder Instead Of 95/5 Solder, Add	29.77	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-25.99	
			For Brazed Fittings Instead Of 95/5 Solder, Add	11.35	
			For Work In Restricted Working Space, Add	22.69	
22 11 16 00-0580			Copper Caps (22 11 16 00-0413)		
22 11 16 00-0581	EA		1/4" Copper Cap	4.44	2.41
			For Silver Solder Instead Of 95/5 Solder, Add	0.58	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.40	
			For Brazed Fittings Instead Of 95/5 Solder, Add	0.54	
			For Work In Restricted Working Space, Add	1.07	
22 11 16 00-0582	EA		3/8" Copper Cap	5.19	2.54
			For Silver Solder Instead Of 95/5 Solder, Add	0.64	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.45	
			For Brazed Fittings Instead Of 95/5 Solder, Add	0.57	
			For Work In Restricted Working Space, Add	1.15	
22 11 16 00-0583	EA		1/2" Copper Cap	4.76	2.75
			For Silver Solder Instead Of 95/5 Solder, Add	0.64	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.44	
			For Brazed Fittings Instead Of 95/5 Solder, Add	0.61	
			For Work In Restricted Working Space, Add	1.22	
22 11 16 00-0584	EA		3/4" Copper Cap	6.40	3.44
			For Silver Solder Instead Of 95/5 Solder, Add	0.83	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.57	
			For Brazed Fittings Instead Of 95/5 Solder, Add	0.76	
			For Work In Restricted Working Space, Add	1.53	
22 11 16 00-0585	EA		1" Copper Cap	9.53	4.35
			For Silver Solder Instead Of 95/5 Solder, Add	1.12	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.80	
			For Brazed Fittings Instead Of 95/5 Solder, Add	0.97	
			For Work In Restricted Working Space, Add	1.94	
22 11 16 00-0586	EA		1-1/4" Copper Cap	12.96	5.96
			For Silver Solder Instead Of 95/5 Solder, Add	1.53	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.09	
			For Brazed Fittings Instead Of 95/5 Solder, Add	1.33	
			For Work In Restricted Working Space, Add	2.65	
22 11 16 00-0587	EA		1-1/2" Copper Cap	16.39	7.01
			For Silver Solder Instead Of 95/5 Solder, Add	1.86	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.34	
			For Brazed Fittings Instead Of 95/5 Solder, Add	1.56	
			For Work In Restricted Working Space, Add	3.12	
22 11 16 00-0588	EA		2" Copper Cap	34.22	15.62
			For Silver Solder Instead Of 95/5 Solder, Add	4.02	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.87	
			For Brazed Fittings Instead Of 95/5 Solder, Add	3.47	
			For Work In Restricted Working Space, Add	6.94	
22 11 16 00-0589	EA		2-1/2" Copper Cap	68.40	23.75
			For Silver Solder Instead Of 95/5 Solder, Add	6.94	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.18	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.28	
			For Work In Restricted Working Space, Add	10.56	
22 11 16 00-0590	EA		3" Copper Cap	93.73	31.17
			For Silver Solder Instead Of 95/5 Solder, Add	9.30	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.00	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.93	
			For Work In Restricted Working Space, Add	13.85	
22 11 16 00-0591	EA		4" Copper Cap	144.75	37.11
			For Silver Solder Instead Of 95/5 Solder, Add	12.74	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.99	
			For Brazed Fittings Instead Of 95/5 Solder, Add	8.25	
			For Work In Restricted Working Space, Add	16.49	
22 11 16 00-0592	EA		5" Cast Bronze Cap	707.34	50.92
			For Silver Solder Instead Of 95/5 Solder, Add	43.00	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-39.18	
			For Brazed Fittings Instead Of 95/5 Solder, Add	11.45	
			For Work In Restricted Working Space, Add	22.91	
22 11 16 00-0593	EA		6" Cast Bronze Cap	1,354.88	65.97
			For Silver Solder Instead Of 95/5 Solder, Add	77.52	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-72.63	
			For Brazed Fittings Instead Of 95/5 Solder, Add	14.66	
			For Work In Restricted Working Space, Add	29.32	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0594	EA		8" Cast Bronze Cap <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,736.26 100.89 -93.85 21.11 42.22	94.99
22 11 16 00-0595 Copper Crosses <small>(22 11 16 00-0413)</small>					
22 11 16 00-0596	EA		1/2" Copper Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	69.11 9.26 -6.36 8.71 17.42	38.70
22 11 16 00-0597	EA		3/4" Copper Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	93.59 11.89 -8.29 10.82 21.64	48.12
22 11 16 00-0598	EA		1" Copper Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	122.67 14.75 -10.44 12.93 25.86	57.43
22 11 16 00-0599	EA		1-1/4" Copper Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	145.65 16.61 -11.94 13.98 27.97	62.18
22 11 16 00-0600	EA		1-1/2" Copper Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	176.75 19.04 -13.94 15.30 30.61	67.99
22 11 16 00-0601	EA		2" Copper Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	255.50 24.21 -18.49 17.15 34.30	76.26
22 11 16 00-0602	EA		2-1/2" Copper Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	452.04 35.27 -28.94 19.00 38.00	84.44
22 11 16 00-0603 Cast Bronze Crosses <small>(22 11 16 00-0413)</small>					
22 11 16 00-0604	EA		3/8" Cast Bronze Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	56.95 7.07 -4.96 6.33 12.67	28.14
22 11 16 00-0605	EA		1/2" Cast Bronze Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	71.32 9.37 -6.47 8.71 17.42	38.70
22 11 16 00-0606	EA		3/4" Cast Bronze Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	97.88 12.11 -8.50 10.82 21.64	48.12
22 11 16 00-0607	EA		1" Cast Bronze Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	129.96 15.12 -10.81 12.93 25.86	57.43
22 11 16 00-0608	EA		1-1/4" Cast Bronze Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	156.14 17.13 -12.47 13.98 27.97	62.18
22 11 16 00-0609	EA		1-1/2" Cast Bronze Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	191.69 19.79 -14.69 15.30 30.61	67.99
22 11 16 00-0610	EA		2" Cast Bronze Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	283.72 25.62 -19.90 17.15 34.30	76.26
22 11 16 00-0611	EA		2-1/2" Cast Bronze Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	517.11 38.52 -32.19 19.00 38.00	84.44



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 11 16 00-0612	Flexible Corrugated Copper Supply Line (22 11 16 00-0413)		
22 11 16 00-0613	EA 3/4" Threaded x 3/4" Solder x 18" Long, Flexible Corrugated Copper Supply Line	72.46	26.18
22 11 16 00-0614	EA 3/4" Threaded x 3/4" Solder x 24" Long, Flexible Corrugated Copper Supply Line	76.46	26.18
22 11 16 00-0615	EA 3/4" Threaded x 3/4" Threaded x 12" Long, Flexible Corrugated Copper Supply Line	65.25	26.18
22 11 16 00-0616	EA 3/4" Threaded x 3/4" Threaded x 15" Long, Flexible Corrugated Copper Supply Line	69.79	26.18
22 11 16 00-0617	EA 3/4" Threaded x 3/4" Threaded x 18" Long, Flexible Corrugated Copper Supply Line	73.79	26.18
22 11 16 00-0618	EA 3/4" Threaded x 3/4" Threaded x 24" Long, Flexible Corrugated Copper Supply Line	76.46	26.18
22 11 16 00-0619	Crimped Copper Fittings (22 11 16 00-0345) Note: Viega ProPress type. Includes factory installed ethylene propylene diene monomer (EPDM) sealing elements.		
22 11 16 00-0620	Crimped Copper 90 Degree Elbows (22 11 16 00-0619)		
22 11 16 00-0621	EA 1/2" Crimped Copper 90 Degree Elbow	19.56	11.47
22 11 16 00-0622	EA 3/4" Crimped Copper 90 Degree Elbow	23.59	13.10
22 11 16 00-0623	EA 1" Crimped Copper 90 Degree Elbow	31.42	15.58
22 11 16 00-0624	EA 1-1/4" Crimped Copper 90 Degree Elbow	41.98	17.20
22 11 16 00-0625	EA 1-1/2" Crimped Copper 90 Degree Elbow	59.29	19.11
22 11 16 00-0626	EA 2" Crimped Copper 90 Degree Elbow	76.97	22.93
22 11 16 00-0627	EA 2-1/2" Crimped Copper 90 Degree Elbow	163.78	26.75
22 11 16 00-0628	EA 3" Crimped Copper 90 Degree Elbow	203.34	31.82
22 11 16 00-0629	EA 4" Crimped Copper 90 Degree Elbow	255.54	42.04
22 11 16 00-0630	Crimped Copper 45 Degree Elbows (22 11 16 00-0619)		
22 11 16 00-0631	EA 1/2" Crimped Copper 45 Degree Elbow	19.95	11.47
22 11 16 00-0632	EA 3/4" Crimped Copper 45 Degree Elbow	22.96	13.10
22 11 16 00-0633	EA 1" Crimped Copper 45 Degree Elbow	34.25	15.58
22 11 16 00-0634	EA 1-1/4" Crimped Copper 45 Degree Elbow	41.35	17.20
22 11 16 00-0635	EA 1-1/2" Crimped Copper 45 Degree Elbow	53.87	19.11
22 11 16 00-0636	EA 2" Crimped Copper 45 Degree Elbow	69.67	22.93
22 11 16 00-0637	EA 2-1/2" Crimped Copper 45 Degree Elbow	121.81	26.75
22 11 16 00-0638	EA 3" Crimped Copper 45 Degree Elbow	164.47	31.82
22 11 16 00-0639	EA 4" Crimped Copper 45 Degree Elbow	225.14	42.04
22 11 16 00-0640	Crimped Copper Straight Tees (22 11 16 00-0619)		
22 11 16 00-0641	EA 1/2" Crimped Copper Straight Tee	29.41	17.20
22 11 16 00-0642	EA 3/4" Crimped Copper Straight Tee	40.28	22.65
22 11 16 00-0643	EA 1" Crimped Copper Straight Tee	49.22	25.13
22 11 16 00-0644	EA 1-1/4" Crimped Copper Straight Tee	58.10	25.80
22 11 16 00-0645	EA 1-1/2" Crimped Copper Straight Tee	81.65	29.34
22 11 16 00-0646	EA 2" Crimped Copper Straight Tee	98.18	34.40
22 11 16 00-0647	EA 2-1/2" Crimped Copper Straight Tee	212.98	40.13
22 11 16 00-0648	EA 3" Crimped Copper Straight Tee	262.63	47.77
22 11 16 00-0649	EA 4" Crimped Copper Straight Tee	362.55	63.07
22 11 16 00-0650	Crimped Copper Reducing Tees (22 11 16 00-0619)		
22 11 16 00-0651	EA 3/4" Crimped Copper Reducing Tee	34.38	16.34
22 11 16 00-0652	EA 1" Crimped Copper Reducing Tee	49.64	21.50
22 11 16 00-0653	EA 1-1/4" Crimped Copper Reducing Tee	53.59	23.89
22 11 16 00-0654	EA 1-1/2" Crimped Copper Reducing Tee	70.25	24.56
22 11 16 00-0655	EA 2" Crimped Copper Reducing Tee	84.09	27.81
22 11 16 00-0656	EA 2-1/2" Crimped Copper Reducing Tee	227.23	31.53
22 11 16 00-0657	EA 3" Crimped Copper Reducing Tee	277.03	38.22
22 11 16 00-0658	EA 4" Crimped Copper Reducing Tee	326.40	50.93
22 11 16 00-0659	Crimped Copper Couplings (22 11 16 00-0619)		
22 11 16 00-0660	EA 1/2" Crimped Copper Coupling	19.32	11.47
22 11 16 00-0661	EA 3/4" Crimped Copper Coupling	22.81	13.10
22 11 16 00-0662	EA 1" Crimped Copper Coupling	29.92	15.58
22 11 16 00-0663	EA 1-1/4" Crimped Copper Coupling	33.89	17.20
22 11 16 00-0664	EA 1-1/2" Crimped Copper Coupling	43.74	19.11
22 11 16 00-0665	EA 2" Crimped Copper Coupling	53.64	22.93
22 11 16 00-0666	EA 2-1/2" Crimped Copper Coupling	101.71	26.75
22 11 16 00-0667	EA 3" Crimped Copper Coupling	126.20	31.82
22 11 16 00-0668	EA 4" Crimped Copper Coupling	171.97	42.04
22 11 16 00-0669	Crimped Copper Reducing Couplings (22 11 16 00-0619)		
22 11 16 00-0670	EA 3/4" Crimped Copper Reducing Coupling	26.00	10.89
22 11 16 00-0671	EA 1" Crimped Copper Reducing Coupling	29.72	12.42
22 11 16 00-0672	EA 1-1/4" Crimped Copper Reducing Coupling	38.37	14.81
22 11 16 00-0673	EA 1-1/2" Crimped Copper Reducing Coupling	48.28	16.34
22 11 16 00-0674	EA 2" Crimped Copper Reducing Coupling	53.94	18.15



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0675	EA		2-1/2" Crimped Copper FTG x C Reducing Coupling	105.24	21.69
22 11 16 00-0676	EA		3" Crimped Copper FTG x C Reducing Coupling	131.01	25.52
22 11 16 00-0677	EA		4" Crimped Copper FTG x C Reducing Coupling	170.37	33.73
22 11 16 00-0678			Crimped Copper Male Adapters (22 11 16 00-0619)		
22 11 16 00-0679	EA		1/2" Crimped Copper Male Adapter	19.80	11.47
22 11 16 00-0680	EA		3/4" Crimped Copper Male Adapter	24.30	13.10
22 11 16 00-0681	EA		1" Crimped Copper Male Adapter	32.05	15.58
22 11 16 00-0682	EA		1-1/4" Crimped Copper Male Adapter	44.73	17.20
22 11 16 00-0683	EA		1-1/2" Crimped Copper Male Adapter	55.21	19.11
22 11 16 00-0684	EA		2" Crimped Copper Male Adapter	85.52	22.93
22 11 16 00-0685	EA		2-1/2" Crimped Copper Male Adapter	163.78	26.75
22 11 16 00-0686	EA		3" Crimped Copper Male Adapter	203.34	31.82
22 11 16 00-0687	EA		4" Crimped Copper Male Adapter	243.14	42.04
22 11 16 00-0688			Crimped Copper Female Adapters (22 11 16 00-0619)		
22 11 16 00-0689	EA		1/2" Crimped Copper Female Adapter	20.34	11.47
22 11 16 00-0690	EA		3/4" Crimped Copper Female Adapter	24.70	13.10
22 11 16 00-0691	EA		1" Crimped Copper Female Adapter	32.84	15.58
22 11 16 00-0692	EA		1-1/4" Crimped Copper Female Adapter	47.08	17.20
22 11 16 00-0693	EA		1-1/2" Crimped Copper Female Adapter	59.61	19.11
22 11 16 00-0694	EA		2" Crimped Copper Female Adapter	86.94	22.93
22 11 16 00-0695			Crimped Copper Caps (22 11 16 00-0619)		
22 11 16 00-0696	EA		1/2" Crimped Copper Cap	13.15	5.73
22 11 16 00-0697	EA		3/4" Crimped Copper Cap	17.73	6.69
22 11 16 00-0698	EA		1" Crimped Copper Cap	23.33	7.64
22 11 16 00-0699	EA		1-1/4" Crimped Copper Cap	26.33	8.60
22 11 16 00-0700	EA		1-1/2" Crimped Copper Cap	35.62	9.85
22 11 16 00-0701	EA		2" Crimped Copper Cap	42.49	11.47
22 11 16 00-0702	EA		2-1/2" Crimped Copper Cap	100.92	13.38
22 11 16 00-0703	EA		3" Crimped Copper Cap	126.21	15.96
22 11 16 00-0704	EA		4" Crimped Copper Cap	167.88	21.02
22 11 16 00-0705			C x F NPT Crimped Bronze Unions (22 11 16 00-0619)		
22 11 16 00-0706	EA		1/2" C x F NPT Crimped Bronze Union	36.77	15.58
22 11 16 00-0707	EA		3/4" C x F NPT Crimped Bronze Union	45.89	19.21
22 11 16 00-0708	EA		1" C x F NPT Crimped Bronze Union	62.93	23.03
22 11 16 00-0709	EA		1-1/4" C x F NPT Crimped Bronze Union	75.91	26.56
22 11 16 00-0710	EA		1-1/2" C x F NPT Crimped Bronze Union	95.53	25.99
22 11 16 00-0711	EA		2" C x F NPT Crimped Bronze Union	131.30	37.65
22 11 16 00-0712			C x C Crimped Bronze Unions (22 11 16 00-0619)		
22 11 16 00-0713	EA		1/2" C x C Bronze Crimped Union	33.85	11.47
22 11 16 00-0714	EA		3/4" C x C Bronze Crimped Union	41.42	13.10
22 11 16 00-0715	EA		1" C x C Bronze Crimped Union	58.28	15.58
22 11 16 00-0716	EA		1-1/4" C x C Bronze Crimped Union	75.59	17.20
22 11 16 00-0717	EA		1-1/2" C x C Bronze Crimped Union	96.28	19.11
22 11 16 00-0718	EA		2" C x C Bronze Crimped Union	144.83	22.93
22 11 16 00-0719			C x Flange Crimped Bronze Flange (22 11 16 00-0619)		
22 11 16 00-0720	EA		2-1/2" C x Flange Crimped Bronze Flange	276.57	26.75
22 11 16 00-0721	EA		3" C x Flange Crimped Bronze Flange	302.25	31.82
22 11 16 00-0722	EA		4" C x Flange Crimped Bronze Flange	347.96	42.04
22 11 16 00-0723			Field Installed FKM Seals (22 11 16 00-0619)		
Note: For vacuum systems. Includes removing factory installed ethylene propylene diene monomer (EPDM) seal and installing FKM seal.					
22 11 16 00-0724	EA		1/2" Field Installed FKM Seal	5.63	
Note: To be used in conjunction with fittings.					
22 11 16 00-0725	EA		3/4" Field Installed FKM Seal	7.06	
Note: To be used in conjunction with fittings.					
22 11 16 00-0726	EA		1" Field Installed FKM Seal	8.09	
Note: To be used in conjunction with fittings.					
22 11 16 00-0727	EA		1-1/4" Field Installed FKM Seal	9.28	
Note: To be used in conjunction with fittings.					
22 11 16 00-0728	EA		1-1/2" Field Installed FKM Seal	12.74	
Note: To be used in conjunction with fittings.					
22 11 16 00-0729	EA		2" Field Installed FKM Seal	14.25	
Note: To be used in conjunction with fittings.					
22 11 16 00-0730	EA		2-1/2" Field Installed FKM Seal	20.80	
Note: To be used in conjunction with fittings.					
22 11 16 00-0731	EA		3" Field Installed FKM Seal	23.96	
Note: To be used in conjunction with fittings.					



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0732 EA 4" Field Installed FKM Seal..... Note: To be used in conjunction with fittings.	32.57	
22 11 16 00-0733 Cut And Prepare Existing In-Place Copper Pipe (22 11 16 00-0345)		
22 11 16 00-0734 EA Up To 1/2", Cut And Prepare Existing In Place Copper Pipe	9.55	
22 11 16 00-0735 EA 3/4", Cut And Prepare Existing In Place Copper Pipe.....	10.32	
22 11 16 00-0736 EA 1", Cut And Prepare Existing In Place Copper Pipe.....	11.61	
22 11 16 00-0737 EA 1-1/4", Cut And Prepare Existing In Place Copper Pipe.....	12.18	
22 11 16 00-0738 EA 1-1/2", Cut And Prepare Existing In Place Copper Pipe.....	12.90	
22 11 16 00-0739 EA 2", Cut And Prepare Existing In Place Copper Pipe.....	14.19	
22 11 16 00-0740 EA 2-1/2", Cut And Prepare Existing In Place Copper Pipe.....	15.29	
22 11 16 00-0741 EA 3", Cut And Prepare Existing In Place Copper Pipe.....	18.06	
22 11 16 00-0742 EA 4", Cut And Prepare Existing In Place Copper Pipe.....	24.37	
22 11 16 00-0743 EA 6", Cut And Prepare Existing In Place Copper Pipe.....	34.82	
22 11 16 00-0744 EA 8", Cut And Prepare Existing In Place Copper Pipe.....	46.45	
22 11 16 00-0745 Sweat Brass Companion Flanges (22 11 16 00-0345)		
22 11 16 00-0746 EA 1" Sweat Brass Companion Flange	52.47	14.69
22 11 16 00-0747 EA 1-1/4" Sweat Brass Companion Flange	57.29	16.18
22 11 16 00-0748 EA 1-1/2" Sweat Brass Companion Flange	81.57	17.59
22 11 16 00-0749 EA 2" Sweat Brass Companion Flange	108.89	19.53
22 11 16 00-0750 EA 2-1/2" Sweat Brass Companion Flange	137.60	23.48
22 11 16 00-0751 EA 3" Sweat Brass Companion Flange	152.15	30.79
22 11 16 00-0752 EA 4" Sweat Brass Companion Flange	202.87	36.68
22 11 16 00-0753 EA 5" Sweat Brass Companion Flange	380.10	43.15
22 11 16 00-0754 EA 6" Sweat Brass Companion Flange	439.71	62.69
22 11 16 00-0755 EA 8" Copper Companion Flange.....	1,008.01	89.42
22 11 16 00-0756 Brass Compression Fittings (22 11 16 00-0345)		
22 11 16 00-0757 Brass Compression Unions (22 11 16 00-0756)		
22 11 16 00-0758 EA 1/4" Brass Compression Union	16.32	10.32
22 11 16 00-0759 EA 3/8" Brass Compression Union	16.55	10.32
22 11 16 00-0760 EA 1/2" Brass Compression Union	17.26	10.32
22 11 16 00-0761 EA 5/8" Brass Compression Union	17.60	10.32
22 11 16 00-0762 EA 3/4" Brass Compression Union	22.63	10.32
22 11 16 00-0763 EA 3/8" x 1/4" Brass Compression Union	16.71	10.32
22 11 16 00-0764 EA 1/2" x 3/8" Brass Compression Union	17.32	10.32
22 11 16 00-0765 EA 5/8" x 3/8" Brass Compression Union	17.74	10.32
22 11 16 00-0766 EA 5/8" x 1/2" Brass Compression Union	18.41	10.32
22 11 16 00-0767 Brass Compression Union Elbows (22 11 16 00-0756)		
22 11 16 00-0768 EA 1/4" Brass Compression Union Elbow	17.26	10.32
22 11 16 00-0769 EA 3/8" Brass Compression Union Elbow	17.64	10.32
22 11 16 00-0770 EA 1/2" Brass Compression Union Elbow	18.48	10.32
22 11 16 00-0771 EA 5/8" Brass Compression Union Elbow	19.78	10.32
22 11 16 00-0772 EA 3/4" Brass Compression Union Elbow	24.85	10.32
22 11 16 00-0773 EA 3/8" x 1/4" Brass Compression Union Elbow	17.64	10.32
22 11 16 00-0774 EA 1/2" x 3/8" Brass Compression Union Elbow	18.48	10.32
22 11 16 00-0775 EA 5/8" x 3/8" Brass Compression Union Elbow	18.71	10.32
22 11 16 00-0776 EA 5/8" x 1/2" Brass Compression Union Elbow	22.53	10.32
22 11 16 00-0777 Brass Compression Union Tees (22 11 16 00-0756)		
22 11 16 00-0778 EA 1/4" Brass Compression Union Tee.....	17.55	10.32
22 11 16 00-0779 EA 3/8" Brass Compression Union Tee.....	18.34	10.32
22 11 16 00-0780 EA 1/2" Brass Compression Union Tee.....	19.18	10.32
22 11 16 00-0781 EA 5/8" Brass Compression Union Tee.....	21.83	10.32
22 11 16 00-0782 EA 3/4" Brass Compression Union Tee.....	30.99	10.32
22 11 16 00-0783 EA 3/8" x 3/8" x 1/4" Brass Compression Union Tee	18.90	10.32
22 11 16 00-0784 EA 1/2" x 1/2" x 3/8" Brass Compression Union Tee	23.20	10.32
22 11 16 00-0785 EA 5/8" x 5/8" x 3/8" Brass Compression Union Tee	22.79	10.32
22 11 16 00-0786 EA 5/8" x 5/8" x 1/2" Brass Compression Union Tee	23.27	10.32
22 11 16 00-0787 Brass Compression Male Connectors (22 11 16 00-0756)		
22 11 16 00-0788 EA 1/4" Brass Compression Male Connector	16.15	10.32
22 11 16 00-0789 EA 3/8" Brass Compression Male Connector	16.46	10.32
22 11 16 00-0790 EA 1/2" Brass Compression Male Connector	16.99	10.32
22 11 16 00-0791 EA 5/8" Brass Compression Male Connector	17.78	10.32
22 11 16 00-0792 EA 3/4" Brass Compression Male Connector	20.47	10.23
22 11 16 00-0793 Brass Compression Female Connectors (22 11 16 00-0756)		
22 11 16 00-0794 EA 1/4" Brass Compression Female Connector	16.49	10.32
22 11 16 00-0795 EA 3/8" Brass Compression Female Connector	16.89	10.32



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0796 EA 1/2" Brass Compression Female Connector.....	17.56	10.32
22 11 16 00-0797 EA 5/8" Brass Compression Female Connector.....	18.01	10.32
22 11 16 00-0798 EA 3/4" Brass Compression Female Connector.....	25.45	10.13
22 11 16 00-0799 Dielectric Fittings (22 11 16 00-0345)		
22 11 16 00-0800 Copper x Female Iron Pipe Thread Dielectric Unions (22 11 16 00-0799)		
22 11 16 00-0801 EA 1/2" Copper x Female Iron Pipe Thread Dielectric Union	40.74	22.93
22 11 16 00-0802 EA 3/4" Copper x Female Iron Pipe Thread Dielectric Union	45.51	26.18
22 11 16 00-0803 EA 1" Copper x Female Iron Pipe Thread Dielectric Union	54.13	28.77
22 11 16 00-0804 EA 1-1/4" Copper x Female Iron Pipe Thread Dielectric Union	65.58	31.66
22 11 16 00-0805 EA 1-1/2" Copper x Female Iron Pipe Thread Dielectric Union	79.28	35.19
22 11 16 00-0806 EA 2" Copper x Female Iron Pipe Thread Dielectric Union	100.69	42.22
22 11 16 00-0807 Female Brass Thread x Iron Pipe Thread Dielectric Unions (22 11 16 00-0799)		
22 11 16 00-0808 EA 1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	44.75	22.93
22 11 16 00-0809 EA 3/4" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	52.11	26.18
22 11 16 00-0810 EA 1" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	62.82	28.77
22 11 16 00-0811 EA 1-1/4" Female Brass Thread x Iron Pipe Thread Dielectric Union	77.13	31.66
22 11 16 00-0812 EA 1-1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union	93.56	35.19
22 11 16 00-0813 EA 2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	117.44	42.22
22 11 16 00-0814 Female Iron Pipe Thread x Iron Pipe Thread Dielectric Unions (22 11 16 00-0799)		
22 11 16 00-0815 EA 1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	42.21	22.93
22 11 16 00-0816 EA 3/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	47.92	26.18
22 11 16 00-0817 EA 1" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	54.76	28.77
22 11 16 00-0818 EA 1-1/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	63.35	31.66
22 11 16 00-0819 EA 1-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	77.07	35.19
22 11 16 00-0820 EA 2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	98.92	42.22
22 11 16 00-0821 Copper x Female Iron Pipe Thread Dielectric Flanges (22 11 16 00-0799)		
22 11 16 00-0822 EA 2-1/2" Copper x Female Iron Pipe Thread Dielectric Flange.....	245.15	108.54
22 11 16 00-0823 EA 3" Copper x Female Iron Pipe Thread Dielectric Flange.....	306.91	136.69
22 11 16 00-0824 EA 4" Copper x Female Iron Pipe Thread Dielectric Flange.....	432.69	186.03
22 11 16 00-0825 Copper x Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flanges (22 11 16 00-0799)		
22 11 16 00-0826 EA 2-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	246.81	108.54
22 11 16 00-0827 EA 3" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	320.04	136.69
22 11 16 00-0828 EA 4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	584.21	186.03
22 11 16 00-0829 Brass Push-Fit Fittings (22 11 16)		
22 11 16 00-0830 EA 1/4" x 1/4" Brass Push-Fit Coupling.....	18.83	9.55
Note: (Sharkbite)		
22 11 16 00-0831 EA 3/8" x 3/8" Brass Push-Fit Coupling.....	22.69	10.20
Note: (Sharkbite)		
22 11 16 00-0832 EA 1/2" x 1/2" Brass Push-Fit Coupling.....	23.89	11.47
Note: (Sharkbite)		
22 11 16 00-0833 EA 5/8" x 5/8" Brass Push-Fit Coupling.....	27.10	12.23
Note: (Sharkbite)		
22 11 16 00-0834 EA 3/4" x 3/4" Brass Push-Fit Coupling.....	27.86	13.07
Note: (Sharkbite)		
22 11 16 00-0835 EA 1" x 1" Brass Push-Fit Coupling.....	38.03	15.61
Note: (Sharkbite)		
22 11 16 00-0836 EA 1/2" x 3/8" Brass Push-Fit Reducing Coupling.....	23.28	10.82
Note: (Sharkbite)		
22 11 16 00-0837 EA 3/4" x 5/8" Brass Push-Fit Reducing Coupling.....	26.67	11.85
Note: (Sharkbite)		
22 11 16 00-0838 EA 1" x 3/4" Brass Push-Fit Reducing Coupling.....	38.37	14.33
Note: (Sharkbite)		
22 11 16 00-0839 EA 1/4" x 1/4" Brass Push-Fit Elbow	19.48	9.55
Note: (Sharkbite)		
22 11 16 00-0840 EA 3/8" x 3/8" Brass Push-Fit Elbow	25.46	10.20
Note: (Sharkbite)		
22 11 16 00-0841 EA 1/2" x 1/2" Brass Push-Fit Elbow	24.24	11.47
Note: (Sharkbite)		
22 11 16 00-0842 EA 5/8" x 5/8" Brass Push-Fit Elbow	28.71	12.23
Note: (Sharkbite)		
22 11 16 00-0843 EA 3/4" x 3/4" Brass Push-Fit Elbow	27.40	13.07
Note: (Sharkbite)		
22 11 16 00-0844 EA 1" x 1" Brass Push-Fit Elbow	38.38	15.61
Note: (Sharkbite)		
22 11 16 00-0845 EA 1/2" x 3/8" Brass Push-Fit Reducing Elbow	22.99	10.82
Note: (Sharkbite)		
22 11 16 00-0846 EA 3/4" x 1/2" Brass Push-Fit Reducing Elbow	25.52	11.85
Note: (Sharkbite)		



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0847	EA	1" x 3/4" Brass Push-Fit Reducing Elbow Note: (Sharkbite)	46.30	14.33
22 11 16 00-0848	EA	1/4" x 1/4" x 1/4" Brass Push-Fit Tee Note: (Sharkbite)	29.49	14.33
22 11 16 00-0849	EA	3/8" x 3/8" x 3/8" Brass Push-Fit Tee Note: (Sharkbite)	36.16	15.29
22 11 16 00-0850	EA	1/2" x 1/2" x 1/2" Brass Push-Fit Tee Note: (Sharkbite)	34.44	17.20
22 11 16 00-0851	EA	5/8" x 5/8" x 5/8" Brass Push-Fit Tee Note: (Sharkbite)	42.38	18.35
22 11 16 00-0852	EA	3/4" x 3/4" x 3/4" Brass Push-Fit Tee Note: (Sharkbite)	39.98	19.59
22 11 16 00-0853	EA	1" x 1" x 1" Brass Push-Fit Tee Note: (Sharkbite)	53.27	23.41
22 11 16 00-0854	EA	1/2" x 1/2" x 1/4" Brass Push-Fit Reducing Tee Note: (Sharkbite)	37.39	16.24
22 11 16 00-0855	EA	1/2" x 1/2" x 3/8" Brass Push-Fit Reducing Tee Note: (Sharkbite)	37.68	16.57
22 11 16 00-0856	EA	3/4" x 3/4" x 1/2" Brass Push-Fit Reducing Tee Note: (Sharkbite)	38.55	18.80
22 11 16 00-0857	EA	1" x 1" x 3/4" Brass Push-Fit Reducing Tee Note: (Sharkbite)	51.44	22.14
22 11 16 00-0858	EA	1/4" x 1/2" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	22.07	10.51
22 11 16 00-0859	EA	3/8" x 1/2" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	21.98	10.82
22 11 16 00-0860	EA	1/2" x 1/2" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	22.04	11.47
22 11 16 00-0861	EA	3/4" x 3/4" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	25.21	13.07
22 11 16 00-0862	EA	1" x 1" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	34.30	15.61
22 11 16 00-0863	EA	1/4" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	19.84	10.51
22 11 16 00-0864	EA	3/8" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	21.98	10.82
22 11 16 00-0865	EA	1/2" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	22.09	11.47
22 11 16 00-0866	EA	3/4" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	25.01	13.07
22 11 16 00-0867	EA	5/8" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	26.55	12.64
22 11 16 00-0868	EA	1" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	31.50	14.33
22 11 16 00-0869	EA	1" x 1" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	34.71	15.61
22 11 16 00-0870	EA	1/2" Brass Push-Fit Ball Valve Note: (Sharkbite)	29.74	11.47
22 11 16 00-0871	EA	3/4" Brass Push-Fit Ball Valve Note: (Sharkbite)	34.62	13.07
22 11 16 00-0872	EA	1" Brass Push-Fit Ball Valve Note: (Sharkbite)	45.06	15.61
22 11 16 00-0873	EA	1/2" Brass Push-Fit Check Valve Note: (Sharkbite)	31.52	11.47
22 11 16 00-0874	EA	3/4" Brass Push-Fit Check Valve Note: (Sharkbite)	37.64	13.07
22 11 16 00-0875	EA	1" Brass Push-Fit Check Valve Note: (Sharkbite)	60.76	15.61
22 11 16 00-0876		Copper Pipe Assemblies ^(22 11 16) Note: Includes hangers and all coupling, elbow, tee and reducer fittings. All fittings are based on 95/5 solder. All hangers are complete assemblies installed in accordance with MSS SP 58 and 69. Excludes insulation. Not for use where detail is available.		
22 11 16 00-0877	LF	1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 1.17 <i>For Type M Tubing Instead Of Type L, Deduct</i> -0.99 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 2.41 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -1.66 <i>For Work In Restricted Working Space, Add</i> 4.49	18.24	2.68
22 11 16 00-0878	LF	3/4" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 1.35 <i>For Type M Tubing Instead Of Type L, Deduct</i> -1.14 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 2.74 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -1.89 <i>For Work In Restricted Working Space, Add</i> 5.08	20.82	3.44



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0879	LF		1" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> <i>For Type M Tubing Instead Of Type L, Deduct</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	22.66 1.57 -1.30 2.91 -2.02 5.33	4.11
22 11 16 00-0880	LF		1-1/4" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> <i>For Type M Tubing Instead Of Type L, Deduct</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	25.22 1.92 -1.55 3.11 -2.18 5.54 -0.68	4.78
22 11 16 00-0881	LF		1-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> <i>For Type M Tubing Instead Of Type L, Deduct</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	27.80 2.20 -1.76 3.36 -2.37 5.90 -0.81	5.45
22 11 16 00-0882	LF		2" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> <i>For Type M Tubing Instead Of Type L, Deduct</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	34.39 2.95 -2.32 3.98 -2.85 6.79 -1.18	6.79
22 11 16 00-0883	LF		2-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> <i>For Type M Tubing Instead Of Type L, Deduct</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	41.73 4.02 -3.07 4.51 -3.30 7.28 -1.75	8.18
22 11 16 00-0884	LF		3" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> <i>For Type M Tubing Instead Of Type L, Deduct</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	50.30 5.24 -3.93 5.14 -3.83 7.88 -2.40	9.50
22 11 16 00-0885	LF		4" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> <i>For Type M Tubing Instead Of Type L, Deduct</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	77.06 8.87 -6.53 7.25 -5.55 10.20 -4.31	12.58
22 11 16 00-0886	LF		5" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> <i>For Type M Tubing Instead Of Type L, Deduct</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	138.55 18.30 -13.14 11.29 -9.11 13.09 -9.49	15.66
22 11 16 00-0887	LF		6" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> <i>For Type M Tubing Instead Of Type L, Deduct</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	180.79 24.08 -17.26 14.58 -11.81 16.62 -12.54	18.91

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0888	LF		8" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> <i>For Type M Tubing Instead Of Type L, Deduct</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	406.32 61.61 -43.25 27.20 -23.76 20.66 -33.75	22.61
22 11 16 00-0889			Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings (22 11 16)		
22 11 16 00-0890			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings (22 11 16 00-0889)		
22 11 16 00-0891			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe (22 11 16 00-0890)		
22 11 16 00-0892	LF		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	5.26 1.05	1.41
22 11 16 00-0893	LF		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	6.08 1.11	1.48
22 11 16 00-0894	LF		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	7.47 1.19	1.59
22 11 16 00-0895	LF		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	9.19 1.31	1.73
22 11 16 00-0896	LF		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	10.66 1.44	1.92
22 11 16 00-0897	LF		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	13.47 1.61	2.14
22 11 16 00-0898	LF		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	18.51 1.83	2.44
22 11 16 00-0899	LF		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	23.78 2.16	2.89
22 11 16 00-0900	LF		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	33.18 2.66	3.54
22 11 16 00-0901	LF		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	58.32 3.38	4.51
22 11 16 00-0902	LF		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	84.17 4.43	5.91
22 11 16 00-0903			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows (22 11 16 00-0890)		
22 11 16 00-0904	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	19.44 5.01	6.68
22 11 16 00-0905	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	25.35 6.33	8.44
22 11 16 00-0906	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	33.18 7.94	10.55
22 11 16 00-0907	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	45.99 9.92	13.19
22 11 16 00-0908	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	51.17 10.98	14.60
22 11 16 00-0909	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	60.47 12.24	14.60
22 11 16 00-0910	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	97.66 13.94	18.55
22 11 16 00-0911	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	110.53 16.47	21.99
22 11 16 00-0912	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	160.35 20.27	27.01
22 11 16 00-0913	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	202.16 25.76	34.30
22 11 16 00-0914	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	397.24 33.77	45.04
22 11 16 00-0915			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows (22 11 16 00-0890)		
22 11 16 00-0916	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	20.80 5.01	6.68
22 11 16 00-0917	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	26.98 6.33	8.44
22 11 16 00-0918	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	35.83 7.94	10.55
22 11 16 00-0919	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	49.47 9.92	13.19
22 11 16 00-0920	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	55.42 10.98	14.60
22 11 16 00-0921	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	61.91 12.24	16.36
22 11 16 00-0922	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	98.57 13.94	18.55



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0923 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	110.41 16.47	21.99
22 11 16 00-0924 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	143.73 20.27	27.01
22 11 16 00-0925 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	233.33 25.76	34.30
22 11 16 00-0926 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	419.33 33.77	45.04
22 11 16 00-0927 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees (22 11 16 00-0890)		
22 11 16 00-0928 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	30.02 7.52	10.03
22 11 16 00-0929 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	39.58 9.50	12.67
22 11 16 00-0930 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	49.49 11.93	15.92
22 11 16 00-0931 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	70.13 14.88	19.88
22 11 16 00-0932 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	78.41 16.47	21.99
22 11 16 00-0933 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	96.30 18.37	24.45
22 11 16 00-0934 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	127.30 20.90	27.88
22 11 16 00-0935 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	145.04 24.70	32.89
22 11 16 00-0936 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	175.40 30.40	40.55
22 11 16 00-0937 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	273.53 38.63	51.55
22 11 16 00-0938 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	583.30 50.66	67.56
22 11 16 00-0939 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Crosses (22 11 16 00-0890)		
22 11 16 00-0940 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	37.70 10.03	13.37
22 11 16 00-0941 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	49.04 12.67	16.88
22 11 16 00-0942 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	61.34 15.89	21.20
22 11 16 00-0943 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	83.83 19.85	26.47
22 11 16 00-0944 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	93.44 21.95	29.29
22 11 16 00-0945 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	111.84 24.49	32.63
22 11 16 00-0946 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	142.52 27.86	37.12
22 11 16 00-0947 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	163.78 32.93	43.89
22 11 16 00-0948 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	198.91 40.53	54.00
22 11 16 00-0949 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	296.37 51.51	68.69
22 11 16 00-0950 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	582.12 67.55	90.07
22 11 16 00-0951 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld Reducing Inserts (22 11 16 00-0890)		
22 11 16 00-0952 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	17.12 4.65	6.16
22 11 16 00-0953 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	24.03 6.26	8.35
22 11 16 00-0954 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	41.81 8.18	10.91
22 11 16 00-0955 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	47.33 9.05	12.05
22 11 16 00-0956 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	56.23 10.11	13.45
22 11 16 00-0957 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	60.89 11.51	15.30
22 11 16 00-0958 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	74.16 13.59	18.12
22 11 16 00-0959 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	102.01 16.73	22.26
22 11 16 00-0960 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	169.32 21.24	28.32
22 11 16 00-0961 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	389.28 27.86	37.12



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0962			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Thread Reducing Inserts (22 11 16 00-0890)		
22 11 16 00-0963	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	21.68	4.40
			<i>For Work In Restricted Working Space, Add</i>	3.30	
22 11 16 00-0964	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	27.00	6.16
			<i>For Work In Restricted Working Space, Add</i>	4.65	
22 11 16 00-0965	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	33.20	8.35
			<i>For Work In Restricted Working Space, Add</i>	6.26	
22 11 16 00-0966	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	41.02	10.91
			<i>For Work In Restricted Working Space, Add</i>	8.18	
22 11 16 00-0967	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	48.50	12.05
			<i>For Work In Restricted Working Space, Add</i>	9.05	
22 11 16 00-0968	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	62.06	13.45
			<i>For Work In Restricted Working Space, Add</i>	10.11	
22 11 16 00-0969	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	98.99	15.30
			<i>For Work In Restricted Working Space, Add</i>	11.51	
22 11 16 00-0970	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	203.69	18.12
			<i>For Work In Restricted Working Space, Add</i>	13.59	
22 11 16 00-0971	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	305.39	22.26
			<i>For Work In Restricted Working Space, Add</i>	16.73	
22 11 16 00-0972			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters (22 11 16 00-0890)		
22 11 16 00-0973	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	15.09	4.40
			<i>For Work In Restricted Working Space, Add</i>	3.30	
22 11 16 00-0974	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	21.02	6.16
			<i>For Work In Restricted Working Space, Add</i>	4.65	
22 11 16 00-0975	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	30.17	8.35
			<i>For Work In Restricted Working Space, Add</i>	6.26	
22 11 16 00-0976	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	41.02	10.91
			<i>For Work In Restricted Working Space, Add</i>	8.18	
22 11 16 00-0977	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	48.77	12.05
			<i>For Work In Restricted Working Space, Add</i>	9.05	
22 11 16 00-0978	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	58.84	13.45
			<i>For Work In Restricted Working Space, Add</i>	10.11	
22 11 16 00-0979	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	85.96	15.30
			<i>For Work In Restricted Working Space, Add</i>	11.51	
22 11 16 00-0980	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	102.87	18.12
			<i>For Work In Restricted Working Space, Add</i>	13.59	
22 11 16 00-0981	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	153.10	22.26
			<i>For Work In Restricted Working Space, Add</i>	16.73	
22 11 16 00-0982			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters (22 11 16 00-0890)		
22 11 16 00-0983	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	16.65	4.40
			<i>For Work In Restricted Working Space, Add</i>	3.30	
22 11 16 00-0984	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	21.51	6.16
			<i>For Work In Restricted Working Space, Add</i>	4.65	
22 11 16 00-0985	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	30.30	8.35
			<i>For Work In Restricted Working Space, Add</i>	6.26	
22 11 16 00-0986	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	41.47	10.91
			<i>For Work In Restricted Working Space, Add</i>	8.18	
22 11 16 00-0987	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	46.68	12.05
			<i>For Work In Restricted Working Space, Add</i>	9.05	
22 11 16 00-0988	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	57.14	13.45
			<i>For Work In Restricted Working Space, Add</i>	10.11	
22 11 16 00-0989	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	86.95	15.30
			<i>For Work In Restricted Working Space, Add</i>	11.51	
22 11 16 00-0990	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	120.06	18.12
			<i>For Work In Restricted Working Space, Add</i>	13.59	
22 11 16 00-0991	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	182.34	22.26
			<i>For Work In Restricted Working Space, Add</i>	16.73	
22 11 16 00-0992			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings (22 11 16 00-0890)		
22 11 16 00-0993	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	13.51	4.04
			<i>For Work In Restricted Working Space, Add</i>	3.01	
22 11 16 00-0994	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	19.00	5.62
			<i>For Work In Restricted Working Space, Add</i>	4.22	
22 11 16 00-0995	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	25.54	7.57
			<i>For Work In Restricted Working Space, Add</i>	5.67	
22 11 16 00-0996	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	34.69	9.94
			<i>For Work In Restricted Working Space, Add</i>	7.44	
22 11 16 00-0997	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	39.90	11.00
			<i>For Work In Restricted Working Space, Add</i>	8.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0998 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	45.08 9.18	12.23
22 11 16 00-0999 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	69.52 10.45	13.90
22 11 16 00-1000 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	76.20 12.35	16.45
22 11 16 00-1001 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	96.56 15.20	20.23
22 11 16 00-1002 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	154.95 19.32	25.77
22 11 16 00-1003 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	267.94 25.33	33.78
22 11 16 00-1004 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions (22 11 16 00-0890)		
22 11 16 00-1005 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	26.90 3.62	4.84
22 11 16 00-1006 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	32.45 5.06	6.77
22 11 16 00-1007 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	38.75 6.81	9.06
22 11 16 00-1008 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	67.49 8.92	11.87
22 11 16 00-1009 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	71.33 9.87	13.19
22 11 16 00-1010 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	100.55 11.03	14.69
22 11 16 00-1011 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	174.04 12.53	16.71
22 11 16 00-1012 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	249.29 14.83	19.79
22 11 16 00-1013 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	400.55 18.23	24.28
22 11 16 00-1014 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	536.10 23.17	30.87
22 11 16 00-1015 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	661.86 30.40	40.55
22 11 16 00-1016 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Caps (22 11 16 00-0890)		
22 11 16 00-1017 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	8.83 1.00	1.32
22 11 16 00-1018 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	14.83 2.11	2.82
22 11 16 00-1019 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	25.14 3.41	4.58
22 11 16 00-1020 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	27.52 3.72	4.93
22 11 16 00-1021 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	29.14 4.12	5.45
22 11 16 00-1022 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	40.12 4.59	6.16
22 11 16 00-1023 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	62.11 5.23	6.95
22 11 16 00-1024 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	66.31 6.18	8.27
22 11 16 00-1025 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	102.45 7.60	10.11
22 11 16 00-1026 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	224.06 9.66	12.84
22 11 16 00-1027 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	288.59 12.67	16.88
22 11 16 00-1028 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges (22 11 16 00-0890)		
22 11 16 00-1029 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	21.26 2.40	3.17
22 11 16 00-1030 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	25.46 3.38	4.49
22 11 16 00-1031 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	30.96 4.54	6.07
22 11 16 00-1032 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	36.17 5.96	7.92
22 11 16 00-1033 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	38.65 6.60	8.79
22 11 16 00-1034 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	46.61 7.34	9.76
22 11 16 00-1035 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	62.47 8.36	11.17
22 11 16 00-1036 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	70.61 9.87	13.19
22 11 16 00-1037 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	88.35 12.17	16.18



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1038	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	126.69 15.47	20.59
22 11 16 00-1039	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	237.09 20.27	27.01
22 11 16 00-1040			Cross-Linked Polyethylene Tubing, ASTM F877 (22 11 16) Note: Aboveground, domestic water usage.		
22 11 16 00-1041			Cross-Linked Polyethylene Tubing (22 11 16 00-1040)		
22 11 16 00-1042	LF		3/8" Cross-Linked Polyethylene Tubing..... <i>For Work In Restricted Working Space, Add</i>	3.28 0.83	
22 11 16 00-1043	LF		1/2" Cross-Linked Polyethylene Tubing..... <i>For Work In Restricted Working Space, Add</i>	3.55 0.90	
22 11 16 00-1044	LF		3/4" Cross-Linked Polyethylene Tubing..... <i>For Work In Restricted Working Space, Add</i>	4.26 0.97	
22 11 16 00-1045	LF		1" Cross-Linked Polyethylene Tubing..... <i>For Work In Restricted Working Space, Add</i>	5.18 1.02	
22 11 16 00-1046			Cross-Linked Polyethylene Forged Brass PEX Fittings (22 11 16 00-1040) Note: Aboveground, domestic water usage.		
22 11 16 00-1047			Male Adapters (22 11 16 00-1046)		
22 11 16 00-1048	EA		3/8" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	18.00 4.30	
22 11 16 00-1049	EA		1/2" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	19.39 4.59	
22 11 16 00-1050	EA		1/2" x 3/4", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	21.19 4.87	
22 11 16 00-1051	EA		3/4" x 3/4", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	22.15 5.16	
22 11 16 00-1052	EA		3/4" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	21.19 4.87	
22 11 16 00-1053	EA		1" x 1", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	27.84 5.73	
22 11 16 00-1054			Female Adapters (22 11 16 00-1046)		
22 11 16 00-1055	EA		1/2" x 1/2", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	19.82 4.59	
22 11 16 00-1056	EA		1/2" x 3/4", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	22.37 4.87	
22 11 16 00-1057	EA		3/4" x 3/4", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	23.33 5.16	
22 11 16 00-1058	EA		3/4" x 1/2", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	22.37 4.87	
22 11 16 00-1059	EA		1" x 1", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	28.38 5.73	
22 11 16 00-1060			Tube Adapters (22 11 16 00-1046)		
22 11 16 00-1061	EA		3/8" x 1/2" Forged Brass Tube Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	16.26 4.30	
22 11 16 00-1062	EA		1/2" Forged Brass Tube Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	17.22 4.59	
22 11 16 00-1063	EA		3/4" Forged Brass Tube Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	20.76 5.16	
22 11 16 00-1064	EA		1" Forged Brass Tube Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	26.74 5.73	
22 11 16 00-1065			Plugs (22 11 16 00-1046)		
22 11 16 00-1066	EA		3/8" Forged Brass Plug For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	8.19 2.01	
22 11 16 00-1067	EA		1/2" Forged Brass Plug For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	9.14 2.29	
22 11 16 00-1068	EA		3/4" Forged Brass Plug For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	10.53 2.58	
22 11 16 00-1069	EA		1" Forged Brass Plug For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	13.11 2.87	
22 11 16 00-1070			Tees (22 11 16 00-1046)		
22 11 16 00-1071	EA		3/8" Forged Brass Tee For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	23.20 6.02	
22 11 16 00-1072	EA		1/2" Forged Brass Tee For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	26.06 6.88	
22 11 16 00-1073	EA		3/4" Forged Brass Tee For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	31.08 7.74	
22 11 16 00-1074	EA		1" Forged Brass Tee For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	39.96 8.60	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1075	EA			1/2" Forged Brass Reducing Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	25.11 6.59	
22 11 16 00-1076	EA			3/4" Forged Brass Reducing Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	29.17 7.17	
22 11 16 00-1077	EA			1" Forged Brass Reducing Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	36.24 7.74	
22 11 16 00-1078				Couplings <small>(22 11 16 00-1046)</small>		
22 11 16 00-1079	EA			3/8" Forged Brass Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	14.99 4.01	
22 11 16 00-1080	EA			1/2" Forged Brass Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	17.00 4.59	
22 11 16 00-1081	EA			3/4" Forged Brass Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	19.45 5.16	
22 11 16 00-1082	EA			1" Forged Brass Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	23.85 5.73	
22 11 16 00-1083	EA			3/4" x 1/2" Forged Brass Reducing Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	18.49 4.87	
22 11 16 00-1084	EA			1" x 3/4" Forged Brass Reducing Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	22.89 5.45	
22 11 16 00-1085				Fitting Reducers <small>(22 11 16 00-1046)</small>		
22 11 16 00-1086	EA			3/8" x 1/2" Forged Brass Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	16.58 4.30	
22 11 16 00-1087	EA			1/2" Forged Brass Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	17.54 4.59	
22 11 16 00-1088	EA			3/4" Forged Brass Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	21.40 5.16	
22 11 16 00-1089	EA			1" Forged Brass Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	30.41 5.73	
22 11 16 00-1090				90 Degree Elbows <small>(22 11 16 00-1046)</small>		
22 11 16 00-1091	EA			3/8" Forged Brass 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	15.95 4.01	
22 11 16 00-1092	EA			1/2" Forged Brass 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	17.86 4.59	
22 11 16 00-1093	EA			3/4" Forged Brass 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	21.40 5.16	
22 11 16 00-1094	EA			3/4" x 1/2" Forged Brass 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	20.44 4.87	
22 11 16 00-1095	EA			1/2" Drop 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	24.56 4.59	
22 11 16 00-1096	EA			3/4" Forged Brass Drop 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	27.43 5.16	
22 11 16 00-1097	EA			3/4" x 1/2" Forged Brass Drop 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	26.47 4.87	
22 11 19				Domestic Water Piping Specialties <small>(22 11)</small>		
22 11 19 00-0001				Rubber Hose And Clamps <small>(22 11 19)</small>		
22 11 19 00-0002				General Purpose Hose <small>(22 11 19 00-0001)</small>		
Note: For medium pressure (up to 200/250 psi) applications requiring excellent resistance to air, oil and heat.						
22 11 19 00-0003	LF			3/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	4.58	1.91
22 11 19 00-0004	LF			1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	5.15	1.91
22 11 19 00-0005	LF			5/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	5.89	1.91
22 11 19 00-0006	LF			3/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	5.92	1.91
22 11 19 00-0007	LF			1" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	7.37	2.86
22 11 19 00-0008	LF			1-1/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	10.70	2.86
22 11 19 00-0009	LF			1-1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	11.69	3.81
22 11 19 00-0010	LF			2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	19.75	3.81
22 11 19 00-0011				Reinforced EPDM Water Hose Assembly <small>(22 11 19 00-0001)</small>		
Note: Includes male/female camlock, 150 psi, synthetic fiber with steel wire helix reinforcement.						
22 11 19 00-0012	LF			1-1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	24.76	3.81
22 11 19 00-0013	LF			2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	28.93	3.81
22 11 19 00-0014	LF			3" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	40.54	4.69
22 11 19 00-0015	LF			4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	56.10	6.33
22 11 19 00-0016				Chemical Resistant Rubber Hoses <small>(22 11 19 00-0001)</small>		
22 11 19 00-0017	EA			50' x 6" Brown Gum Rubber, Chemical Resistant Flexible Hose.....	1,144.54	232.91
22 11 19 00-0018	EA			50' x 6" Nitrile Rubber, Low pH Resistance, Flexible Hose.....	1,589.23	232.91



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 11 19 00-0019	Water Pump Hose (22 11 19 00-0001)		
22 11 19 00-0020	EA 2" Inside Diameter, 20' Rubber Discharge Hose.....	255.63	58.23
22 11 19 00-0021	EA 2" Inside Diameter, 20' Rubber Intake Hose.....	266.39	58.23
22 11 19 00-0022	Serrated Shank Nipple (22 11 19 00-0001)		
	Note: For use as medium pressure coupling.		
22 11 19 00-0023	EA 3/8" Inside Diameter Hose x 1/2" Male Pipe Thread Serrated Shank Nipple.....	20.83	4.77
22 11 19 00-0024	EA 1/2" Inside Diameter Hose x 5/8" Male Pipe Thread Serrated Shank Nipple.....	20.71	4.77
22 11 19 00-0025	EA 5/8" Inside Diameter Hose x 3/4" Male Pipe Thread Serrated Shank Nipple.....	20.71	4.77
22 11 19 00-0026	EA 3/4" Inside Diameter Hose x 1" Male Pipe Thread Serrated Shank Nipple.....	26.33	6.67
22 11 19 00-0027	EA 1" Inside Diameter Hose x 1-1/4" Male Pipe Thread Serrated Shank Nipple.....	27.74	6.67
22 11 19 00-0028	EA 1-1/4" Inside Diameter Hose x 1-1/2" Male Pipe Thread Serrated Shank Nipple.....	52.16	12.39
22 11 19 00-0029	EA 1-1/2" Inside Diameter Hose x 2" Male Pipe Thread Serrated Shank Nipple.....	64.67	15.25
22 11 19 00-0030	Worm-Drive Hose Clamp (22 11 19 00-0001)		
22 11 19 00-0031	EA 3/8" To 1" Diameter Worm Drive Hose Clamp.....	9.76	2.86
22 11 19 00-0032	EA 1/2" To 1-1/6" Diameter Worm Drive Hose Clamp.....	10.34	2.86
22 11 19 00-0033	EA 5/8" To 1-1/2" Diameter Worm Drive Hose Clamp.....	10.96	2.86
22 11 19 00-0034	EA 3/4" To 2" Diameter Worm Drive Hose Clamp.....	11.66	2.86
22 11 19 00-0035	EA 1" To 2-1/2" Diameter Worm Drive Hose Clamp.....	12.48	2.86
22 11 19 00-0036	EA 1-1/4" To 2-3/4" Diameter Worm Drive Hose Clamp.....	13.49	3.81
22 11 19 00-0037	EA 1-1/2" To 3" Diameter Worm Drive Hose Clamp.....	14.58	3.81
22 11 19 00-0038	Trap Primer And Accessories (22 11 19)		
22 11 19 00-0039	Trap Primer (22 11 19 00-0038)		
22 11 19 00-0040	EA 1/2" Inlet/Outlet, Flow Through Automatic Trap Primer (JR Smith 2699).....	216.31	14.33
22 11 19 00-0041	EA 1/2" Inlet/Outlet, Automatic Trap Primer, Up To Two Floor Drains (PPP PR-500).....	133.00	9.55
22 11 19 00-0042	EA 1/2" Inlet/Outlet, Automatic Trap Primer, Up To Four Floor Drains (PPP PO-500).....	128.94	9.55
22 11 19 00-0043	Trap Primer Distribution Unit (22 11 19 00-0038)		
22 11 19 00-0044	EA Molded Plastic Four Opening Trap Primer Distribution Unit (PPP DU-U).....	116.47	19.11
	Note: Can be used for two, three or four drains.		
22 11 19 00-0045	EA Copper Four Opening Trap Primer Distribution Unit (PPP DU-4).....	127.40	19.11
	Note: Can be used for two, three or four drains.		
22 11 19 00-0046	Trap Primer Manifold (22 11 19 00-0038)		
22 11 19 00-0047	EA Two Outlet Manifold.....	174.31	25.71
22 11 19 00-0048	EA Four Outlet Manifold.....	261.64	29.24
22 11 19 00-0049	EA Six Outlet Manifold.....	346.60	30.96
22 11 19 00-0050	EA Eight Outlet Manifold.....	435.44	36.31
22 11 19 00-0051	Sewage Air Release Valves (22 11 19)		
22 11 19 00-0052	Cast Iron, Sewage Air Release Valves (22 11 19 00-0051)		
	Note: Stainless steel float.		
22 11 19 00-0053	EA 2" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400).....	718.13	33.80
	For Back Flush Attachment, Add	650.00	
22 11 19 00-0054	EA 3" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400).....	883.55	56.49
	For Back Flush Attachment, Add	650.00	
22 11 19 00-0055	EA 4" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400).....	1,120.34	71.31
	For Back Flush Attachment, Add	650.00	
22 11 19 00-0056	Cast Iron, Sewage Air Vacuum Valves (22 11 19 00-0051)		
	Note: Stainless steel float.		
22 11 19 00-0057	EA 2" x 1" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 401).....	733.62	33.80
	For Back Flush Attachment, Add	650.00	
22 11 19 00-0058	EA 2" x 2" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 402).....	1,434.49	33.80
	For Back Flush Attachment, Add	650.00	
22 11 19 00-0059	EA 3" x 2" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 403).....	1,723.82	56.49
	For Back Flush Attachment, Add	650.00	
22 11 19 00-0060	EA 4" NPT x 4" With Hood, Cast Iron, Sewage Air Vacuum Valve (Apco 404).....	2,551.12	71.31
22 11 19 00-0061	Cast Iron, Sewage Combination Air Valves (22 11 19 00-0051)		
	Note: Stainless steel float.		
22 11 19 00-0062	EA 2" x 1" NPT, Sewage Combination Air Valve (Apco 443).....	1,562.27	33.80
22 11 19 00-0063	EA 2" x 2" NPT, Sewage Combination Air Valve (Apco 445).....	2,152.78	33.80
22 11 19 00-0064	EA 3" x 3" NPT, Sewage Combination Air Valve (Apco 447).....	2,521.49	56.49
22 11 19 00-0065	EA 4" x 4" NPT, Sewage Combination Air Valve (Apco 449).....	3,083.55	71.31



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0066 Brass, Anti Siphon Vacuum Breakers <small>(22 11 19)</small>		
<i>Note: Watts 288A</i>		
22 11 19 00-0067 EA 1/2" Brass, Anti Siphon Vacuum Breaker	82.38	23.89
22 11 19 00-0068 EA 3/4" Brass, Anti Siphon Vacuum Breaker	94.39	26.75
22 11 19 00-0069 EA 1" Brass, Anti Siphon Vacuum Breaker	186.52	30.58
22 11 19 00-0070 EA 1-1/4" Brass, Anti Siphon Vacuum Breaker	292.95	35.35
22 11 19 00-0071 EA 1-1/2" Brass, Anti Siphon Vacuum Breaker	349.65	39.17
22 11 19 00-0072 EA 2" Brass, Anti Siphon Vacuum Breaker	508.79	47.77
22 11 19 00-0073 EA 2-1/2" Brass, Anti Siphon Vacuum Breaker	1,315.80	59.72
22 11 19 00-0074 Anti Siphon Pressure Vacuum Breakers <small>(22 11 19)</small>		
<i>Note: Watts 800M4QT</i>		
22 11 19 00-0075 EA 1/2" Anti Siphon Pressure Type Vacuum Breaker	228.96	23.89
22 11 19 00-0076 EA 3/4" Anti Siphon Pressure Type Vacuum Breaker	201.75	26.75
22 11 19 00-0077 EA 1" Anti Siphon Pressure Type Vacuum Breaker	286.23	30.58
22 11 19 00-0078 EA 1-1/4" Anti Siphon Pressure Type Vacuum Breaker	512.29	35.35
22 11 19 00-0079 EA 1-1/2" Anti Siphon Pressure Type Vacuum Breaker	623.38	39.17
22 11 19 00-0080 EA 2" Anti Siphon Pressure Type Vacuum Breaker	631.40	47.77
22 11 19 00-0081 Bellows Type Water Hammer Arrestors <small>(22 11 19)</small>		
22 11 19 00-0082 EA Up To 11 Fixture Unit Capacity, 3/4" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5005)	206.93	11.43
22 11 19 00-0083 EA >11 To 32 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5010)	402.25	13.83
22 11 19 00-0084 EA >32 To 60 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5020)	587.93	13.83
22 11 19 00-0085 EA >60 To 113 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5030)	1,432.35	13.83
22 11 19 00-0086 EA >113 To 154 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5040)	1,613.21	13.83
22 11 19 00-0087 EA >154 To 330 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5050)	1,976.02	13.83
22 11 19 00-0088 Piston Type Water Hammer Arrestors <small>(22 11 19)</small>		
22 11 19 00-0089 Threaded Piston Type Water Hammer Arrestors <small>(22 11 19 00-0088)</small>		
22 11 19 00-0090 EA Up To 11 Fixture Unit Capacity, 1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-A)	124.80	6.37
22 11 19 00-0091 EA >11 To 32 Fixture Unit Capacity, 3/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-B)	238.83	7.35
22 11 19 00-0092 EA >32 To 60 Fixture Unit Capacity, 1" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-C)	354.42	7.97
22 11 19 00-0093 EA >60 To 113 Fixture Unit Capacity, 1-1/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-D)	870.17	10.27
22 11 19 00-0094 EA >113 To 154 Fixture Unit Capacity, 1-1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-E)	1,059.88	12.74
22 11 19 00-0095 EA >154 To 330 Fixture Unit Capacity, 2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-F)	1,205.93	13.83
22 11 19 00-0096 Wall Hydrants <small>(22 11 19)</small>		
<i>Note: Female inlet connection, 3/4" hose thread outlet.</i>		
22 11 19 00-0097 Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants <small>(22 11 19 00-0096)</small>		
<i>Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.</i>		
22 11 19 00-0098 EA 6" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	647.59	23.89
<i>For Cast Bronze Box, Add</i>		32.92
<i>For 1" NPT Outlet, Add</i>		77.59
22 11 19 00-0099 EA 12" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	682.92	28.66
<i>For Cast Bronze Box, Add</i>		32.92
<i>For 1" NPT Outlet, Add</i>		77.59
22 11 19 00-0100 EA 18" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	702.49	34.50
<i>For Cast Bronze Box, Add</i>		32.92
<i>For 1" NPT Outlet, Add</i>		77.59
22 11 19 00-0101 Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants <small>(22 11 19 00-0096)</small>		
<i>Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.</i>		
22 11 19 00-0102 EA Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	654.29	40.13
<i>For Cast Bronze Box, Add</i>		32.92
<i>For 1" NPT Outlet, Add</i>		77.59
22 11 19 00-0103 Cast Bronze Non-Freezing Wall Hydrant <small>(22 11 19 00-0096)</small>		
<i>Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.</i>		
22 11 19 00-0104 EA 3" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	354.22	29.62
<i>For 1" NPT Outlet, Add</i>		77.59



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0105 EA 4" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant <i>For 1" NPT Outlet, Add</i>	437.57 77.59	29.62
22 11 19 00-0106 EA 6" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant <i>For 1" NPT Outlet, Add</i>	437.57 77.59	29.62
22 11 19 00-0107 EA 8" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant <i>For 1" NPT Outlet, Add</i>	437.57 77.59	29.62
22 11 19 00-0108 EA 10" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant <i>For 1" NPT Outlet, Add</i>	456.97 77.59	59.72
22 11 19 00-0109 EA 12" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant <i>For 1" NPT Outlet, Add</i>	456.97 77.59	59.72
22 11 19 00-0110 EA 18" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant <i>For 1" NPT Outlet, Add</i>	514.99 77.59	59.72
22 11 19 00-0111 Stainless Steel Box Type Wall Hydrants (22 11 19 00-0096) Note: With 3/4" NPT female and 3/4" NPT male inlet connection.		
22 11 19 00-0112 EA Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8140).....	324.16	23.89
22 11 19 00-0113 EA Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8141)	353.24	23.89
22 11 19 00-0114 EA Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8150)	357.20	23.89
22 11 19 00-0115 EA Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8151)	400.82	23.89
22 11 19 00-0116 EA Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8145)..... Note: Includes hot and cold hose connections.	563.47	33.44
22 11 19 00-0117 EA Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8146)	580.65	33.44
22 11 19 00-0118 EA Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8155)	580.65	33.44
22 11 19 00-0119 EA Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8156)	621.63	33.44
22 11 19 00-0120 Washer Boxes And Dryer Outlets (22 11 19)		
22 11 19 00-0121 Dryer Vent Kit (22 11 19 00-0120) Note: Includes 4" flexible tubing plastic hood clamps and tailpipe.		
22 11 19 00-0122 EA Dryer Vent Kit With Hood, 4" x 5' Flexible Vent And Clamps	66.67	12.42
22 11 19 00-0123 Washer Boxes And Dryer Vents (22 11 19 00-0120) Note: Includes 1/2" supply valves and mounting brackets.		
22 11 19 00-0124 EA 2" Washing Machine Outlet Box, Plastic, Two 1/2" Supply Valves	231.46	19.11
22 11 19 00-0125 Ice Maker Outlet Box (22 11 19) Note: Includes one 1/2" quarter turn ball valve and connections wall mount.		
22 11 19 00-0126 EA Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount.....	118.87	19.11
22 11 19 00-0127 EA Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve With Water Hammer Arrestor, Wall Mount.....	146.20	19.11
22 11 19 00-0128 EA Steel Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount.....	161.24	19.11
22 11 19 00-0129 Tempering Controllers For Potable Hot Water (22 11 19)		
22 11 19 00-0130 Point-Of-Use Thermostatic Mixing Valves (Bradley) (22 11 19 00-0129) Note: Point-of-Use Water Tempering Valves: ASSE 1016, or 1070, with piston-control mechanism, positive shutoff of hot water when cold water supply is lost, bronze body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner.		
22 11 19 00-0131 EA 1/2" Inlets, 1/2" Outlet Sink/Faucet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-2007).....	330.24	22.41
22 11 19 00-0132 EA 1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4004).....	162.36	22.41
22 11 19 00-0133 EA 1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4008).....	191.48	22.41
22 11 19 00-0134 EA 3/4" Inlets, 3/4" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4016).....	221.41	30.19
22 11 19 00-0135 Thermostatic Mixing Valves (Bradley) (22 11 19 00-0129) Note: Standard Thermostatic, Water Mixing Valves: ASSE 1017, liquid-filled motor and piston control mechanism with positive shutoff of hot water when coldwater supply is lost. Water flow is shut off in event of thermostat failure. Bronze valve body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner. Equipped with integral check stops and removable strainers.		
22 11 19 00-0136 EA 3/4" Inlets, 3/4" Outlet, 25 GPM Thermostatic Mixing Valve (Bradley S59-2025)	886.66	32.32
22 11 19 00-0137 EA 3/4" Inlets, 1" Outlet, 45 GPM Thermostatic Mixing Valve (Bradley S59-2045)	996.48	39.81
22 11 19 00-0138 EA 1" Inlets, 1-1/4" Outlet, 80 GPM Thermostatic Mixing Valve (Bradley S59-2080)	1,197.41	46.30
22 11 19 00-0139 EA 1-1/4" Inlets, 1-1/2" Outlet, 130 GPM Thermostatic Mixing Valve (Bradley S59-2130)	1,548.15	48.67
22 11 19 00-0140 EA 2" Inlets, 2" Outlet, 220 GPM Thermostatic Mixing Valve (Bradley S59-2200)	2,077.68	63.14
22 11 19 00-0141 High Low Temperature Thermostatic Mixing Valves (Bradley) (22 11 19 00-0129) Note: High Low Temperature Thermostatic Mixing Valves: ASSE 1017, liquid-filled thermal motor and piston control mechanism with positive shutoff of hot water when cold water supply is lost, and allowing restricted cold flow in event of loss or interruption of hot water supply. Flow is shut off in the event of thermostat failure. Equipped with integral check stops, thermometer, and removable strainers.		
22 11 19 00-0142 EA 3/4" Inlets, 1" Outlet, 45 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3045)	2,248.73	49.77
22 11 19 00-0143 EA 1" Inlets, 1-1/4" Outlet, 80 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3080)	2,924.38	57.88
22 11 19 00-0144 EA 1-1/4" Inlets, 1-1/2" Outlet, 130 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3130).....	3,408.18	60.83
22 11 19 00-0145 EA 2" Inlets, 2" Outlet, 220 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3200)	3,779.86	78.92



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0146				Thermostatic Mixing Valves (Leonard) <small>(22 11 19 00-0129)</small> Note: Thermostatic Water Mixing Valve with Integral combination checkstops with strainers, 125 PSI (8.6 BAR) maximum operating pressure, Copper encapsulated thermostatic assembly with Teflon coated brass shuttle, Locking temperature regulating handle, Top or bottom supply/outlet connections, Integral circulation port connection		
22 11 19 00-0147	EA			3/4" In x 3/4" Out Thermostatic Mixing Valve (Leonard LV-981-RF).....	646.44	32.32
				Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0148	EA			1" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-982-RF).....	761.72	39.80
				Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0149	EA			1-1/4" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-983-RF)	935.20	46.30
				Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0150	EA			1-1/4" In x 1-1/2" Out Thermostatic Mixing Valve (Leonard LV-984-RF)	1,140.54	48.69
				Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0151	EA			2" In x 2" Out Thermostatic Mixing Valve (Leonard LV-985-RF).....	1,691.10	63.14
				Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0152				Water Mixing/Self Operating Temperature Regulator <small>(22 11 19 00-0129)</small> Note: Includes high rate spring, temperature adjustment screw, temperature dial and remote bulb with 8' capillary tube.		
22 11 19 00-0153	EA			3/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	2,945.04	47.77
22 11 19 00-0154	EA			1" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,113.42	60.21
22 11 19 00-0155	EA			1-1/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	3,424.16	72.63
22 11 19 00-0156	EA			1-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	3,764.91	85.05
22 11 19 00-0157	EA			2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	4,486.01	111.80
22 11 19 00-0158	EA			2-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	5,309.35	127.45
22 11 19 00-0159				Backflow Preventer Valves <small>(22 11 19)</small>		
22 11 19 00-0160				Double Check Valve Backflow Preventer Assemblies <small>(22 11 19 00-0159)</small>		
22 11 19 00-0161				Threaded Double Check Valve Assemblies <small>(22 11 19 00-0160)</small>		
22 11 19 00-0162				Double Check Valve Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0161)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and two epoxy coated bronze body check valves (Watts 007 QT or 719 QT series).		
22 11 19 00-0163	EA			1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	300.16	25.61
				<i>For Work In Restricted Working Space, Add</i>	19.21	
				<i>For Owner Furnished Material, Deduct</i>	-236.13	
22 11 19 00-0164	EA			3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	357.35	36.31
				<i>For Work In Restricted Working Space, Add</i>	27.23	
				<i>For Owner Furnished Material, Deduct</i>	-266.57	
22 11 19 00-0165	EA			1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	413.30	44.33
				<i>For Work In Restricted Working Space, Add</i>	33.26	
				<i>For Owner Furnished Material, Deduct</i>	-302.45	
22 11 19 00-0166	EA			1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	573.34	51.61
				<i>For Work In Restricted Working Space, Add</i>	38.70	
				<i>For Owner Furnished Material, Deduct</i>	-444.34	
22 11 19 00-0167	EA			1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	707.45	59.25
				<i>For Work In Restricted Working Space, Add</i>	44.15	
				<i>For Owner Furnished Material, Deduct</i>	-560.29	
22 11 19 00-0168	EA			2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	819.27	76.45
				<i>For Work In Restricted Working Space, Add</i>	57.34	
				<i>For Owner Furnished Material, Deduct</i>	-628.15	
22 11 19 00-0169				Double Check Valve Assemblies With Quarter Turn Shut-Offs And Strainer <small>(22 11 19 00-0161)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, two epoxy coated bronze body check valves, and bronze strainer (Watts 007 QT-S or 719 QT-S series).		
22 11 19 00-0170	EA			1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	367.73	25.61
				<i>For Work In Restricted Working Space, Add</i>	19.21	
				<i>For Owner Furnished Material, Deduct</i>	-303.70	
22 11 19 00-0171	EA			3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	456.31	36.31
				<i>For Work In Restricted Working Space, Add</i>	27.23	
				<i>For Owner Furnished Material, Deduct</i>	-365.53	
22 11 19 00-0172	EA			1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	534.62	44.33
				<i>For Work In Restricted Working Space, Add</i>	33.26	
				<i>For Owner Furnished Material, Deduct</i>	-423.77	
22 11 19 00-0173	EA			1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	746.21	51.61
				<i>For Work In Restricted Working Space, Add</i>	38.70	
				<i>For Owner Furnished Material, Deduct</i>	-617.21	
22 11 19 00-0174	EA			1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	911.05	59.25
				<i>For Work In Restricted Working Space, Add</i>	44.15	
				<i>For Owner Furnished Material, Deduct</i>	-763.89	
22 11 19 00-0175	EA			2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	1,100.37	76.45
				<i>For Work In Restricted Working Space, Add</i>	57.34	
				<i>For Owner Furnished Material, Deduct</i>	-909.25	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 11 19 00-0176	Flanged Double Check Valve Assemblies ^(22 11 19 00-0160)		
22 11 19 00-0177	Double Check Valve Assemblies With Non-Rising Stem Shut-Offs ^(22 11 19 00-0176) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 NRS series).		
22 11 19 00-0178	EA 2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,822.93 84.44 -3,541.47	211.10
22 11 19 00-0179	EA 3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,201.15 93.68 -3,888.90	237.49
22 11 19 00-0180	Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs ^(22 11 19 00-0176) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 OSY series).		
22 11 19 00-0181	EA 2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF007 OSY) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,182.89 84.44 -3,901.43	211.10
22 11 19 00-0182	EA 3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,801.09 93.68 -4,488.84	237.49
22 11 19 00-0183	Double Check Valve Assemblies With Non-Rising Stem Shut-Offs ^(22 11 19 00-0176) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 NRS series).		
22 11 19 00-0184	EA 2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,848.88 84.44 -3,567.43	211.10
22 11 19 00-0185	EA 3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,956.81 93.68 -2,644.55	237.49
22 11 19 00-0186	EA 4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,624.60 140.66 -4,155.74	351.83
22 11 19 00-0187	EA 6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,070.61 278.78 -6,141.36	514.41
22 11 19 00-0188	EA 8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	15,998.55 418.23 -14,604.45	771.61
22 11 19 00-0189	EA 10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	20,520.70 497.81 -18,861.32	912.66
22 11 19 00-0190	Double Check Valve Assemblies With Non-Rising Stem Shut-Offs And Strainer ^(22 11 19 00-0176) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, two epoxy coated iron body check valves, and iron body strainer (Watts 709 NRS-S series).		
22 11 19 00-0191	EA 4" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,384.78 140.64 -4,915.97	351.83
22 11 19 00-0192	EA 6" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	8,981.05 278.78 -8,051.80	514.41
22 11 19 00-0193	EA 10" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	23,779.91 497.81 -22,120.53	912.66
22 11 19 00-0194	Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs ^(22 11 19 00-0176) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 OSY series).		
22 11 19 00-0195	EA 2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,084.38 84.44 -3,802.93	211.10
22 11 19 00-0196	EA 3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,488.58 93.68 -4,176.33	237.49
22 11 19 00-0197	EA 4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,900.34 140.64 -4,431.53	351.83
22 11 19 00-0198	EA 6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	8,243.20 278.78 -7,313.95	514.41
22 11 19 00-0199	EA 8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	16,972.15 418.16 -15,578.27	771.61



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
	22 11	19 00-0200	EA	10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	21,777.21 497.81 -20,117.83	912.66	
22 11	19 00-0201	Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0176)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 OSY series).					
	22 11	19 00-0202	EA	2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,457.46 84.44 -2,176.01	211.10	
	22 11	19 00-0203	EA	3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,705.99 93.68 -2,393.74	237.49	
	22 11	19 00-0204	EA	4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,080.27 140.64 -2,611.46	351.83	
	22 11	19 00-0205	EA	6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,012.64 278.78 -4,083.39	514.41	
	22 11	19 00-0206	EA	8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	9,467.08 418.16 -8,073.20	771.61	
	22 11	19 00-0207	EA	10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	10,298.27 497.81 -8,638.89	912.66	
22 11	19 00-0208	N-Pattern Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0176)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N OSY series).					
	22 11	19 00-0209	EA	2-1/2" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,229.55 84.44 -2,948.10	211.10	
	22 11	19 00-0210	EA	3" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,478.08 93.68 -3,165.83	237.49	
	22 11	19 00-0211	EA	4" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757 OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,370.47 140.64 -3,901.66	351.83	
	22 11	19 00-0212	EA	6" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,172.48 278.78 -6,243.23	514.41	
	22 11	19 00-0213	EA	8" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	12,668.19 418.16 -11,274.31	771.61	
	22 11	19 00-0214	EA	10" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	15,075.13 497.81 -13,415.75	912.66	
22 11	19 00-0215	Double Check Valve Assemblies With Non-Rising Stem Shut-Off Valves <small>(22 11 19 00-0176)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 NRS series).					
	22 11	19 00-0216	EA	2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,303.89 84.44 -2,022.44	211.10	
	22 11	19 00-0217	EA	3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,559.40 93.68 -2,247.15	237.49	
	22 11	19 00-0218	EA	4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,940.58 140.64 -2,471.77	351.83	
	22 11	19 00-0219	EA	6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,902.90 278.78 -3,973.65	514.41	
	22 11	19 00-0220	EA	8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	9,361.33 418.16 -7,967.45	771.61	
	22 11	19 00-0221	EA	10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	10,593.54 497.81 -8,934.16	912.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0222 N-Pattern Double Check Valve Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0176)</small>		
Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N NRS series).		
22 11 19 00-0223 EA 2-1/2" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	3,011.24	211.10
For Work In Restricted Working Space, Add	84.44	
For Owner Furnished Material, Deduct	-2,729.79	
22 11 19 00-0224 EA 3" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	3,259.77	237.49
For Work In Restricted Working Space, Add	93.68	
For Owner Furnished Material, Deduct	-2,947.52	
22 11 19 00-0225 EA 4" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	4,152.43	351.83
For Work In Restricted Working Space, Add	140.64	
For Owner Furnished Material, Deduct	-3,683.62	
22 11 19 00-0226 EA 6" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	6,940.25	514.41
For Work In Restricted Working Space, Add	278.78	
For Owner Furnished Material, Deduct	-6,011.00	
22 11 19 00-0227 EA 8" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	12,316.68	771.61
For Work In Restricted Working Space, Add	418.16	
For Owner Furnished Material, Deduct	-10,922.80	
22 11 19 00-0228 EA 10" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	14,722.60	912.66
For Work In Restricted Working Space, Add	497.81	
For Owner Furnished Material, Deduct	-13,063.22	
22 11 19 00-0229 Double Check Valve Assemblies With Butterfly Shut-Off Valves <small>(22 11 19 00-0176)</small>		
Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757 BFG series).		
22 11 19 00-0230 EA 2-1/2" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	2,667.08	211.10
For Work In Restricted Working Space, Add	84.44	
For Owner Furnished Material, Deduct	-2,385.63	
22 11 19 00-0231 EA 3" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	2,915.61	237.49
For Work In Restricted Working Space, Add	93.68	
For Owner Furnished Material, Deduct	-2,603.36	
22 11 19 00-0232 EA 4" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	3,289.89	351.83
For Work In Restricted Working Space, Add	140.64	
For Owner Furnished Material, Deduct	-2,821.08	
22 11 19 00-0233 EA 6" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	5,227.54	514.41
For Work In Restricted Working Space, Add	278.78	
For Owner Furnished Material, Deduct	-4,298.29	
22 11 19 00-0234 EA 8" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	9,681.98	771.61
For Work In Restricted Working Space, Add	418.16	
For Owner Furnished Material, Deduct	-8,288.10	
22 11 19 00-0235 N-Pattern Double Check Valve Assemblies With Butterfly Shut-Offs <small>(22 11 19 00-0176)</small>		
Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757N BFG series).		
22 11 19 00-0236 EA 2-1/2" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	3,439.17	211.10
For Work In Restricted Working Space, Add	84.44	
For Owner Furnished Material, Deduct	-3,157.72	
22 11 19 00-0237 EA 3" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	3,687.70	237.49
For Work In Restricted Working Space, Add	93.68	
For Owner Furnished Material, Deduct	-3,375.45	
22 11 19 00-0238 EA 4" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	4,580.09	351.83
For Work In Restricted Working Space, Add	140.64	
For Owner Furnished Material, Deduct	-4,111.28	
22 11 19 00-0239 EA 6" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	7,387.43	514.41
For Work In Restricted Working Space, Add	278.78	
For Owner Furnished Material, Deduct	-6,458.18	
22 11 19 00-0240 EA 8" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	9,681.98	771.61
For Work In Restricted Working Space, Add	418.16	
For Owner Furnished Material, Deduct	-8,288.10	
22 11 19 00-0241 Grooved Double Check Valve Assemblies <small>(22 11 19 00-0160)</small>		
22 11 19 00-0242 Double Check Valve Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0241)</small>		
Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757 QT series).		
22 11 19 00-0243 EA 2-1/2" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series)	2,303.89	112.58
For Work In Restricted Working Space, Add	84.44	
For Owner Furnished Material, Deduct	-2,022.44	
22 11 19 00-0244 EA 3" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series)	2,559.40	124.90
For Work In Restricted Working Space, Add	93.68	
For Owner Furnished Material, Deduct	-2,247.15	
22 11 19 00-0245 N-Patten Double Check Valve Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0241)</small>		
Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757N QT series).		
22 11 19 00-0246 EA 2-1/2" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series)	3,011.24	112.58
For Work In Restricted Working Space, Add	84.44	
For Owner Furnished Material, Deduct	-2,729.79	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0247	EA			3" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,259.77 93.68 -2,947.52	124.90
22 11 19 00-0248				Reduced Pressure Zone Backflow Preventer Assemblies (22 11 19 00-0159)		
22 11 19 00-0249				Threaded Reduced Pressure Zone Assemblies (22 11 19 00-0248)		
22 11 19 00-0250				Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0249) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
22 11 19 00-0251	EA			1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	330.07 16.63 -274.64	22.17
22 11 19 00-0252	EA			3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	349.14 18.35 -287.98	24.46
22 11 19 00-0253	EA			1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	405.16 19.21 -341.13	25.61
22 11 19 00-0254	EA			3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	545.11 27.23 -454.33	36.31
22 11 19 00-0255	EA			1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	647.40 33.26 -536.55	44.33
22 11 19 00-0256	EA			1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	970.68 38.70 -841.68	51.61
22 11 19 00-0257	EA			1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,028.43 44.15 -881.27	59.25
22 11 19 00-0258	EA			2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,236.89 57.34 -1,045.77	76.45
22 11 19 00-0259				Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer (22 11 19 00-0249) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 009 QT-S series).		
22 11 19 00-0260	EA			1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	363.32 16.63 -307.89	22.17
22 11 19 00-0261	EA			3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	384.18 18.35 -323.02	24.46
22 11 19 00-0262	EA			1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	453.18 19.21 -389.15	36.31
22 11 19 00-0263	EA			3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	620.57 27.23 -529.79	36.31
22 11 19 00-0264	EA			1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	741.75 33.26 -630.90	44.33
22 11 19 00-0265	EA			1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,099.37 38.70 -970.37	51.61
22 11 19 00-0266	EA			1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,210.03 44.15 -1,062.87	59.25
22 11 19 00-0267	EA			2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,459.69 57.34 -1,268.57	76.45
22 11 19 00-0268				Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0249) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 919 QT series).		
22 11 19 00-0269	EA			3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	545.11 27.23 -454.33	36.31
22 11 19 00-0270	EA			1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	647.40 33.26 -536.55	44.33

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0271 EA 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	970.68	51.61
<i>For Work In Restricted Working Space, Add</i>	38.70	
<i>For Owner Furnished Material, Deduct</i>	-841.68	
22 11 19 00-0272 EA 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	1,028.43	59.25
<i>For Work In Restricted Working Space, Add</i>	44.15	
<i>For Owner Furnished Material, Deduct</i>	-881.27	
22 11 19 00-0273 EA 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	1,236.89	76.45
<i>For Work In Restricted Working Space, Add</i>	57.34	
<i>For Owner Furnished Material, Deduct</i>	-1,045.77	

22 11 19 00-0274 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer (22 11 19 00-0249)

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 919 QT-S series).

22 11 19 00-0275 EA 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	620.57	36.31
<i>For Work In Restricted Working Space, Add</i>	27.23	
<i>For Owner Furnished Material, Deduct</i>	-529.79	
22 11 19 00-0276 EA 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	741.75	44.33
<i>For Work In Restricted Working Space, Add</i>	33.26	
<i>For Owner Furnished Material, Deduct</i>	-630.90	
22 11 19 00-0277 EA 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	1,099.37	51.61
<i>For Work In Restricted Working Space, Add</i>	38.70	
<i>For Owner Furnished Material, Deduct</i>	-970.37	
22 11 19 00-0278 EA 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	1,210.03	59.25
<i>For Work In Restricted Working Space, Add</i>	44.15	
<i>For Owner Furnished Material, Deduct</i>	-1,062.87	
22 11 19 00-0279 EA 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	1,459.69	76.45
<i>For Work In Restricted Working Space, Add</i>	57.34	
<i>For Owner Furnished Material, Deduct</i>	-1,268.57	

22 11 19 00-0280 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0249)

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 909 QT series).

22 11 19 00-0281 EA 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT).....	1,105.60	36.31
<i>For Work In Restricted Working Space, Add</i>	27.23	
<i>For Owner Furnished Material, Deduct</i>	-1,014.82	
22 11 19 00-0282 EA 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT).....	1,309.33	44.33
<i>For Work In Restricted Working Space, Add</i>	33.26	
<i>For Owner Furnished Material, Deduct</i>	-1,198.48	
22 11 19 00-0283 EA 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT).....	2,006.59	51.61
<i>For Work In Restricted Working Space, Add</i>	38.70	
<i>For Owner Furnished Material, Deduct</i>	-1,877.59	
22 11 19 00-0284 EA 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT).....	2,170.82	59.25
<i>For Work In Restricted Working Space, Add</i>	44.15	
<i>For Owner Furnished Material, Deduct</i>	-2,023.66	
22 11 19 00-0285 EA 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT).....	2,522.30	76.45
<i>For Work In Restricted Working Space, Add</i>	57.34	
<i>For Owner Furnished Material, Deduct</i>	-2,331.18	

22 11 19 00-0286 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer (22 11 19 00-0249)

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts LF909 QT-S series).

22 11 19 00-0287 EA 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S).....	1,482.83	36.31
<i>For Work In Restricted Working Space, Add</i>	27.23	
<i>For Owner Furnished Material, Deduct</i>	-1,392.05	
22 11 19 00-0288 EA 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S).....	1,763.26	44.33
<i>For Work In Restricted Working Space, Add</i>	33.26	
<i>For Owner Furnished Material, Deduct</i>	-1,652.41	
22 11 19 00-0289 EA 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S).....	2,680.40	51.61
<i>For Work In Restricted Working Space, Add</i>	38.70	
<i>For Owner Furnished Material, Deduct</i>	-2,551.40	
22 11 19 00-0290 EA 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S).....	2,929.20	59.25
<i>For Work In Restricted Working Space, Add</i>	44.15	
<i>For Owner Furnished Material, Deduct</i>	-2,782.04	
22 11 19 00-0291 EA 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S).....	3,482.62	76.45
<i>For Work In Restricted Working Space, Add</i>	57.34	
<i>For Owner Furnished Material, Deduct</i>	-3,291.50	

22 11 19 00-0292 Flanged Reduced Pressure Zone Assemblies (22 11 19 00-0248)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0293 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0292)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 NRS series).		
22 11 19 00-0294 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series).....	3,521.16	211.10
For Work In Restricted Working Space, Add	84.44	
For Owner Furnished Material, Deduct	-3,239.70	
22 11 19 00-0295 EA 3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series).....	3,966.54	237.49
For Work In Restricted Working Space, Add	93.68	
For Owner Furnished Material, Deduct	-3,654.29	
22 11 19 00-0296 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer <small>(22 11 19 00-0292)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF009 NRS-S-FDA series).		
22 11 19 00-0297 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series).....	4,185.58	211.10
For Work In Restricted Working Space, Add	84.44	
For Owner Furnished Material, Deduct	-3,904.12	
22 11 19 00-0298 EA 3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series).....	4,738.41	237.49
For Work In Restricted Working Space, Add	93.68	
For Owner Furnished Material, Deduct	-4,426.16	
22 11 19 00-0299 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0292)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 OSY series).		
22 11 19 00-0300 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series).....	3,775.47	211.10
For Work In Restricted Working Space, Add	84.44	
For Owner Furnished Material, Deduct	-3,494.01	
22 11 19 00-0301 EA 3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series).....	4,389.19	237.49
For Work In Restricted Working Space, Add	93.68	
For Owner Furnished Material, Deduct	-4,076.94	
22 11 19 00-0302 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs And Strainer <small>(22 11 19 00-0292)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies. (Watts LF009 OSY-S-FDA Series)		
22 11 19 00-0303 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series).....	4,185.58	211.10
For Work In Restricted Working Space, Add	84.44	
For Owner Furnished Material, Deduct	-3,904.12	
22 11 19 00-0304 EA 3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series).....	4,738.41	237.49
For Work In Restricted Working Space, Add	93.68	
For Owner Furnished Material, Deduct	-4,426.16	
22 11 19 00-0305 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0292)</small> Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts LF009 QT-FDA series).		
22 11 19 00-0306 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series).....	4,639.57	211.10
For Work In Restricted Working Space, Add	84.44	
For Owner Furnished Material, Deduct	-4,358.11	
22 11 19 00-0307 EA 3" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series).....	5,366.11	237.49
For Work In Restricted Working Space, Add	93.68	
For Owner Furnished Material, Deduct	-5,053.86	
22 11 19 00-0308 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0292)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 NRS series).		
22 11 19 00-0309 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	6,002.42	211.10
For Work In Restricted Working Space, Add	84.44	
For Owner Furnished Material, Deduct	-5,720.97	
22 11 19 00-0310 EA 3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	6,817.63	237.49
For Work In Restricted Working Space, Add	93.68	
For Owner Furnished Material, Deduct	-6,505.37	
22 11 19 00-0311 EA 4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	8,601.25	351.83
For Work In Restricted Working Space, Add	140.66	
For Owner Furnished Material, Deduct	-8,132.39	
22 11 19 00-0312 EA 6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	13,117.12	514.41
For Work In Restricted Working Space, Add	390.31	
For Owner Furnished Material, Deduct	-11,816.09	
22 11 19 00-0313 EA 8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series).....	21,712.34	771.61
For Work In Restricted Working Space, Add	565.47	
For Owner Furnished Material, Deduct	-19,760.79	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0314	EA		10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series).....	27,832.11	912.66
			<i>For Work In Restricted Working Space, Add</i>	497.81	
			<i>For Owner Furnished Material, Deduct</i>	-26,172.73	
22 11 19 00-0315			Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Epoxy Coated Strainer <small>(22 11 19 00-0292)</small>		
			Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF909 NRS-S-FDA series).		
22 11 19 00-0316	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	6,463.57	211.10
			<i>For Work In Restricted Working Space, Add</i>	84.44	
			<i>For Owner Furnished Material, Deduct</i>	-6,182.12	
22 11 19 00-0317	EA		3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	7,302.95	237.49
			<i>For Work In Restricted Working Space, Add</i>	93.68	
			<i>For Owner Furnished Material, Deduct</i>	-6,990.70	
22 11 19 00-0318	EA		4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	9,345.31	351.83
			<i>For Work In Restricted Working Space, Add</i>	140.64	
			<i>For Owner Furnished Material, Deduct</i>	-8,876.50	
22 11 19 00-0319	EA		6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	14,145.94	514.41
			<i>For Work In Restricted Working Space, Add</i>	278.78	
			<i>For Owner Furnished Material, Deduct</i>	-13,216.69	
22 11 19 00-0320	EA		8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	22,883.86	771.61
			<i>For Work In Restricted Working Space, Add</i>	418.16	
			<i>For Owner Furnished Material, Deduct</i>	-21,489.98	
22 11 19 00-0321	EA		10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	31,006.87	912.66
			<i>For Work In Restricted Working Space, Add</i>	497.81	
			<i>For Owner Furnished Material, Deduct</i>	-29,347.49	
22 11 19 00-0322			Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0292)</small>		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 OSY series).		
22 11 19 00-0323	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	6,382.08	211.10
			<i>For Work In Restricted Working Space, Add</i>	84.44	
			<i>For Owner Furnished Material, Deduct</i>	-6,100.63	
22 11 19 00-0324	EA		3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	7,252.82	237.49
			<i>For Work In Restricted Working Space, Add</i>	93.68	
			<i>For Owner Furnished Material, Deduct</i>	-6,940.56	
22 11 19 00-0325	EA		4" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	9,142.09	351.83
			<i>For Work In Restricted Working Space, Add</i>	140.66	
			<i>For Owner Furnished Material, Deduct</i>	-8,673.23	
22 11 19 00-0326	EA		6" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	13,533.76	514.41
			<i>For Work In Restricted Working Space, Add</i>	278.78	
			<i>For Owner Furnished Material, Deduct</i>	-12,604.51	
22 11 19 00-0327	EA		8" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series).....	22,472.67	771.61
			<i>For Work In Restricted Working Space, Add</i>	418.16	
			<i>For Owner Furnished Material, Deduct</i>	-21,078.79	
22 11 19 00-0328	EA		10" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series).....	29,575.98	912.66
			<i>For Work In Restricted Working Space, Add</i>	497.81	
			<i>For Owner Furnished Material, Deduct</i>	-27,916.60	
22 11 19 00-0329			Double Check Detector Assemblies <small>(22 11 19 00-0159)</small>		
22 11 19 00-0330			Flanged Double Check Detector Assemblies With Meter <small>(22 11 19 00-0329)</small>		
22 11 19 00-0331			Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter <small>(22 11 19 00-0330)</small>		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, two epoxy coated iron body check valves, and meter (Watts 709 DCDA OSY series).		
22 11 19 00-0332	EA		3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	4,810.09	237.49
			<i>For Work In Restricted Working Space, Add</i>	93.68	
			<i>For Owner Furnished Material, Deduct</i>	-4,497.84	
22 11 19 00-0333	EA		4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	5,071.01	351.83
			<i>For Work In Restricted Working Space, Add</i>	140.64	
			<i>For Owner Furnished Material, Deduct</i>	-4,602.20	
22 11 19 00-0334	EA		6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	6,905.37	514.41
			<i>For Work In Restricted Working Space, Add</i>	278.78	
			<i>For Owner Furnished Material, Deduct</i>	-5,976.12	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0335	EA		8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	12,196.07	771.61
			<i>For Work In Restricted Working Space, Add</i>	418.16	
			<i>For Owner Furnished Material, Deduct</i>	-10,802.19	
22 11 19 00-0336	EA		10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	16,422.32	912.66
			<i>For Work In Restricted Working Space, Add</i>	497.81	
			<i>For Owner Furnished Material, Deduct</i>	-14,762.94	
22 11 19 00-0337 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter <small>(22 11 19 00-0330)</small>					
Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA OSY series).					
22 11 19 00-0338	EA		2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	3,613.62	211.10
			<i>For Work In Restricted Working Space, Add</i>	84.44	
			<i>For Owner Furnished Material, Deduct</i>	-3,332.16	
22 11 19 00-0339	EA		3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	3,861.91	237.49
			<i>For Work In Restricted Working Space, Add</i>	93.68	
			<i>For Owner Furnished Material, Deduct</i>	-3,549.66	
22 11 19 00-0340	EA		4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	4,241.34	351.83
			<i>For Work In Restricted Working Space, Add</i>	140.64	
			<i>For Owner Furnished Material, Deduct</i>	-3,772.53	
22 11 19 00-0341	EA		6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	5,827.84	514.41
			<i>For Work In Restricted Working Space, Add</i>	278.78	
			<i>For Owner Furnished Material, Deduct</i>	-4,898.59	
22 11 19 00-0342	EA		8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	10,248.53	771.61
			<i>For Work In Restricted Working Space, Add</i>	418.16	
			<i>For Owner Furnished Material, Deduct</i>	-8,854.65	
22 11 19 00-0343	EA		10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	12,088.97	912.66
			<i>For Work In Restricted Working Space, Add</i>	497.81	
			<i>For Owner Furnished Material, Deduct</i>	-10,429.59	
22 11 19 00-0344 Double Check Detector Assembly With Butterfly Valves And Meter <small>(22 11 19 00-0330)</small>					
Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA BFG series).					
22 11 19 00-0345	EA		2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	3,823.28	211.10
			<i>For Work In Restricted Working Space, Add</i>	84.44	
			<i>For Owner Furnished Material, Deduct</i>	-3,541.82	
22 11 19 00-0346	EA		3" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	4,071.58	237.49
			<i>For Work In Restricted Working Space, Add</i>	93.68	
			<i>For Owner Furnished Material, Deduct</i>	-3,759.33	
22 11 19 00-0347	EA		4" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	4,450.97	351.83
			<i>For Work In Restricted Working Space, Add</i>	140.64	
			<i>For Owner Furnished Material, Deduct</i>	-3,982.16	
22 11 19 00-0348	EA		6" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	6,042.75	514.41
			<i>For Work In Restricted Working Space, Add</i>	278.78	
			<i>For Owner Furnished Material, Deduct</i>	-5,113.50	
22 11 19 00-0349	EA		8" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	9,990.69	771.61
			<i>For Work In Restricted Working Space, Add</i>	418.16	
			<i>For Owner Furnished Material, Deduct</i>	-8,596.81	
22 11 19 00-0350			Flanged Double Check Detector Assemblies Without Meter <small>(22 11 19 00-0329)</small>		
22 11 19 00-0351			Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs Less Meter <small>(22 11 19 00-0350)</small>		
Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA OSY LM series).					
22 11 19 00-0352	EA		2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	3,547.42	211.10
			<i>For Work In Restricted Working Space, Add</i>	84.44	
22 11 19 00-0353	EA		3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	3,795.74	237.49
			<i>For Work In Restricted Working Space, Add</i>	93.68	
22 11 19 00-0354	EA		4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	4,175.17	351.83
			<i>For Work In Restricted Working Space, Add</i>	140.64	
22 11 19 00-0355	EA		6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	5,761.67	514.41
			<i>For Work In Restricted Working Space, Add</i>	278.78	
22 11 19 00-0356	EA		8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	10,182.40	771.61
			<i>For Work In Restricted Working Space, Add</i>	418.16	
22 11 19 00-0357	EA		10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	12,022.75	912.66
			<i>For Work In Restricted Working Space, Add</i>	497.81	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0358			Double Check Detector Assembly With Butterfly Valves Less Meter <small>(22 11 19 00-0350)</small> Note: Includes ball type test cocks, two butterfly resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA BFG LM series).		
22 11 19 00-0359	EA		2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series) <i>For Work In Restricted Working Space, Add</i>	3,757.07 84.44	211.10
22 11 19 00-0360	EA		3" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series) <i>For Work In Restricted Working Space, Add</i>	4,005.36 93.68	237.49
22 11 19 00-0361	EA		4" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series) <i>For Work In Restricted Working Space, Add</i>	4,384.79 140.64	351.83
22 11 19 00-0362	EA		6" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series) <i>For Work In Restricted Working Space, Add</i>	5,976.53 278.78	514.41
22 11 19 00-0363	EA		8" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series) <i>For Work In Restricted Working Space, Add</i>	10,397.31 418.16	771.61
22 11 19 00-0364			Flanged Double Check Detector Assemblies <small>(22 11 19 00-0329)</small>		
22 11 19 00-0365			Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0364)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 774 DCDA OSY series).		
22 11 19 00-0366	EA		2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,427.63 84.44 -3,146.17	211.10
22 11 19 00-0367	EA		3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,142.18 93.68 -3,829.93	237.49
22 11 19 00-0368	EA		4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,623.92 140.64 -4,155.11	351.83
22 11 19 00-0369	EA		6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,902.34 278.78 -4,973.09	514.41
22 11 19 00-0370	EA		8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	10,383.25 418.16 -8,989.37	771.61
22 11 19 00-0371	EA		10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	13,944.73 497.81 -12,285.35	912.66
22 11 19 00-0372	EA		12" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	18,557.19 597.37 -16,565.95	1,095.19
22 11 19 00-0373			Backflow Preventer Accessories <small>(22 11 19 00-0159)</small>		
22 11 19 00-0374			Air Gap <small>(22 11 19 00-0373)</small>		
22 11 19 00-0375	EA		Up To 1" Diameter Air Gap For Backflow Preventer	86.73	11.95
22 11 19 00-0376	EA		1-1/4" To 2" Diameter Air Gap For Backflow Preventer	106.57	14.33
22 11 19 00-0377	EA		2-1/2" To 3" Diameter Air Gap For Backflow Preventer	196.80	19.11
22 11 19 00-0378	EA		4" To 6" Diameter Air Gap For Backflow Preventer	387.43	33.44
22 11 19 00-0379	EA		8" To 10" Diameter Air Gap For Backflow Preventer	416.10	47.77
22 11 19 00-0380			Brass Test Cocks <small>(22 11 19 00-0373)</small>		
22 11 19 00-0381	EA		1/8" Or 1/4" Brass Test Cock	35.26	4.78
22 11 19 00-0382			Backflow Valve Enclosures <small>(22 11 19 00-0159)</small>		
22 11 19 00-0383			Flip-Top, Insulated Fiberglass Valve Enclosures <small>(22 11 19 00-0382)</small> Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0384	EA		19" Length x 11" Width x 22" Height, Flip-Top, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	768.40 93.76	86.00
22 11 19 00-0385	EA		27" Length x 13" Width x 23" Height, Flip-Top, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	943.30 120.00	86.00
22 11 19 00-0386	EA		27" Length x 13" Width x 35" Height, Flip-Top, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	1,193.50 159.23	79.17
22 11 19 00-0387	EA		33" Length x 21" Width x 25" Height, Flip-Top, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	1,242.03 159.92	105.55
22 11 19 00-0388	EA		39" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	1,301.35 168.82	105.55
22 11 19 00-0389	EA		47" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	1,532.52 203.49	105.55



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0390	EA		39" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	1,538.60	105.55
			For Heated Enclosure, Add	204.40	
22 11 19 00-0391	EA		47" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	1,932.50	105.55
			For Heated Enclosure, Add	263.49	
22 11 19 00-0392	EA		70" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	4,444.71	158.32
			For Heated Enclosure, Add	627.13	
22 11 19 00-0393	EA		83" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	6,432.48	158.32
			For Heated Enclosure, Add	925.29	
22 11 19 00-0394	EA		70" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	6,113.10	158.32
			For Heated Enclosure, Add	877.38	
22 11 19 00-0395	EA		83" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	7,360.08	184.71
			For Heated Enclosure, Add	1,057.83	
22 11 19 00-0396			One-Piece Drop Over, Insulated Fiberglass Valve Enclosures (22 11 19 00-0382)		
			Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0397	EA		20" Length x 6-1/2" Width x 22" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	418.44	22.93
			For Heated Enclosure, Add	76.04	
22 11 19 00-0398	EA		27" Length x 14" Width x 26" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	579.65	22.93
			For Heated Enclosure, Add	108.29	
22 11 19 00-0399	EA		38-1/2" Length x 12" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	725.66	21.11
			For Heated Enclosure, Add	138.09	
22 11 19 00-0400	EA		47" Length x 13" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	1,093.71	21.11
			For Heated Enclosure, Add	211.70	
22 11 19 00-0401	EA		70" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	2,827.85	39.58
			For Heated Enclosure, Add	552.38	
22 11 19 00-0402	EA		83" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	3,857.47	39.58
			For Heated Enclosure, Add	758.30	
22 11 19 00-0403	EA		45" Length x 35" Width x 35" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	2,572.35	39.58
			For Heated Enclosure, Add	501.28	
22 11 19 00-0404	EA		53" Length x 44" Width x 44" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	2,909.98	39.58
			For Heated Enclosure, Add	568.80	
22 11 19 00-0405	EA		61" Length x 52" Width x 50" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	4,547.94	39.58
			For Heated Enclosure, Add	896.39	
22 11 19 00-0406			Sectional, Insulated Aluminum Valve Enclosures (22 11 19 00-0382)		
			Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0407	EA		70" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure.....	5,780.03	172.01
			For Heated Enclosure, Add	824.00	
			For One 24" Fluorescent Light Fixture, Add	455.74	
			For Two 24" Fluorescent Light Fixture, Add	815.53	
22 11 19 00-0408	EA		83" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure.....	6,368.60	172.01
			For Heated Enclosure, Add	912.29	
			For One 24" Fluorescent Light Fixture, Add	455.74	
			For Two 24" Fluorescent Light Fixture, Add	815.53	
22 11 19 00-0409	EA		53" Length x 33" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure.....	4,516.19	158.32
			For Heated Enclosure, Add	637.85	
			For One 24" Fluorescent Light Fixture, Add	455.74	
			For Two 24" Fluorescent Light Fixture, Add	815.53	
22 11 19 00-0410	EA		53" Length x 44" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure.....	4,951.16	158.32
			For Heated Enclosure, Add	703.09	
			For One 24" Fluorescent Light Fixture, Add	455.74	
			For Two 24" Fluorescent Light Fixture, Add	815.53	
22 11 19 00-0411	EA		90" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure.....	5,764.57	211.10
			For Heated Enclosure, Add	811.91	
			For One 24" Fluorescent Light Fixture, Add	455.74	
			For Two 24" Fluorescent Light Fixture, Add	815.53	
22 11 19 00-0412	EA		102" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure.....	6,461.12	211.10
			For Heated Enclosure, Add	916.39	
			For One 24" Fluorescent Light Fixture, Add	455.74	
			For Two 24" Fluorescent Light Fixture, Add	815.53	
22 11 19 00-0413	EA		90" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure.....	6,461.12	211.10
			For Heated Enclosure, Add	916.39	
			For One 24" Fluorescent Light Fixture, Add	455.74	
			For Two 24" Fluorescent Light Fixture, Add	815.53	
22 11 19 00-0414	EA		102" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure.....	7,136.39	211.10
			For Heated Enclosure, Add	1,017.68	
			For One 24" Fluorescent Light Fixture, Add	455.74	
			For Two 24" Fluorescent Light Fixture, Add	815.53	
22 11 19 00-0415	EA		62" Length x 39" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure.....	5,361.67	184.71
			For Heated Enclosure, Add	758.07	
			For One 24" Fluorescent Light Fixture, Add	455.74	
			For Two 24" Fluorescent Light Fixture, Add	815.53	
22 11 19 00-0416	EA		62" Length x 53" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure.....	6,277.10	211.10
			For Heated Enclosure, Add	888.79	
			For One 24" Fluorescent Light Fixture, Add	455.74	
			For Two 24" Fluorescent Light Fixture, Add	815.53	
22 11 19 00-0417	EA		105" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure.....	7,331.06	211.10
			For Heated Enclosure, Add	1,046.88	
			For One 24" Fluorescent Light Fixture, Add	455.74	
			For Two 24" Fluorescent Light Fixture, Add	815.53	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0418	EA		125" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	8,046.56 1,150.91 455.74 815.53	224.29
22 11 19 00-0419	EA		105" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	8,253.76 1,177.15 455.74 815.53	243.68
22 11 19 00-0420	EA		125" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	9,147.58 1,307.64 455.74 815.53	258.01
22 11 19 00-0421	EA		105" Length x 36" Width x 80" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	9,461.66 1,359.88 455.74 815.53	237.49
22 11 19 00-0422	EA		72" Length x 45" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	8,874.80 978.45 455.74 815.53	211.10
22 11 19 00-0423	EA		72" Length x 45" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	7,326.49 1,046.20 455.74 815.53	211.10
22 11 19 00-0424	EA		72" Length x 65" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	8,288.38 1,187.18 455.74 815.53	224.29
22 11 19 00-0425	EA		72" Length x 65" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	10,041.10 1,446.79 455.74 815.53	237.49
22 11 19 00-0426	EA		118" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	8,765.10 1,255.39 455.74 815.53	105.55
22 11 19 00-0427	EA		142" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	10,528.48 1,516.60 455.74 815.53	105.55
22 11 19 00-0428	EA		118" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	10,180.20 1,464.36 455.74 815.53	158.32
22 11 19 00-0429	EA		142" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	11,810.44 1,702.30 455.74 815.53	158.32
22 11 19 00-0430	EA		142" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	10,898.73 1,568.84 455.74 815.53	158.32
22 11 19 00-0431	EA		172" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	12,735.81 1,837.81 455.74 815.53	184.71
22 11 19 00-0432	EA		142" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	12,779.79 1,837.81 455.74 815.53	158.32
22 11 19 00-0433	EA		172" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	15,158.29 2,187.99 455.74 815.53	158.32
22 11 19 00-0434			Faucets (Hose Bibbs) <small>(22 11 19)</small>		
22 11 19 00-0435			Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends <small>(22 11 19 00-0434)</small>		
22 11 19 00-0436	EA		1/2", 125 LB Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends	49.43	9.55
22 11 19 00-0437	EA		3/4" Faucet, Bronze Garden Hose Valve With Screwed Ends, 125#	57.43	10.51
22 11 19 00-0438	EA		3/4" Hose Valve With Screwed Ends And Vacuum Breaker, 125#	19.27	7.17
22 11 19 00-0439			Chrome Plated Brass Hose Valves, Screwed Ends <small>(22 11 19 00-0434)</small>		
22 11 19 00-0440	EA		3/4" Hose Valve With Screwed Ends; Chicago Faucets #387-CP	195.18	29.24
22 11 19 00-0441			Antisiphon Freezeless Wall Faucet <small>(22 11 19 00-0434)</small>		
22 11 19 00-0442	EA		4" Long, 1/2" Antisiphon Freezeless Wall Faucet	131.44	23.89
22 11 19 00-0443	EA		6" Long, 1/2" Antisiphon Freezeless Wall Faucet	141.75	26.47
22 11 19 00-0444	EA		8" Long, 1/2" Antisiphon Freezeless Wall Faucet	149.68	28.00
22 11 19 00-0445	EA		10" Long, 1/2" Antisiphon Freezeless Wall Faucet	157.58	30.00
22 11 19 00-0446	EA		12" Long, 1/2" Antisiphon Freezeless Wall Faucet	165.61	31.82



Plumbing	22	22
Plumbing Piping	22 10	
Facility Water Distribution	22 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0447 Escutcheons (22 11 19)		
22 11 19 00-0448 Brass Escutcheons (22 11 19 00-0447)		
22 11 19 00-0449 Shallow Brass Escutcheons (22 11 19 00-0448)		
22 11 19 00-0450 EA 3/8" IPS, Antique Or Polished Brass Shallow Escutcheon.....	10.77	2.39
22 11 19 00-0451 EA 1/2" IPS, Antique Or Polished Brass Shallow Escutcheon.....	11.61	2.39
22 11 19 00-0452 Deep Bell Brass Escutcheons (22 11 19 00-0448)		
22 11 19 00-0453 EA 3/8" IPS, Antique Or Polished Deep Bell Brass Escutcheon.....	12.69	2.68
22 11 19 00-0454 EA 1/2" IPS, Antique Or Polished Deep Bell Brass Escutcheon.....	12.72	2.68
22 11 19 00-0455 Chrome Plated Brass Escutcheons With Setscrew (22 11 19 00-0448)		
22 11 19 00-0456 EA 3/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	15.90	2.39
22 11 19 00-0457 EA 1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	16.05	2.39
22 11 19 00-0458 EA 5/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	16.29	2.39
22 11 19 00-0459 EA 3/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	17.13	2.39
22 11 19 00-0460 EA 7/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	17.43	2.87
22 11 19 00-0461 EA 1" IPS, Chrome Plated Brass Escutcheon With Setscrew	18.25	2.87
22 11 19 00-0462 EA 1-1/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	18.98	3.16
22 11 19 00-0463 EA 1-1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	19.87	3.35
22 11 19 00-0464 EA 2" IPS, Chrome Plated Brass Escutcheon With Setscrew	28.17	3.82
22 11 19 00-0465 Plastic Escutcheons (22 11 19 00-0447)		
22 11 19 00-0466 Split-Ring White Plastic Escutcheons (22 11 19 00-0465)		
22 11 19 00-0467 EA 3/8" IPS, Split-Ring White Plastic Escutcheon.....	5.01	2.38
22 11 19 00-0468 EA 1/2" IPS, Split-Ring White Plastic Escutcheon.....	5.01	2.38
22 11 19 00-0469 EA 3/4" IPS, Split-Ring White Plastic Escutcheon.....	5.60	2.67
22 11 19 00-0470 EA 1" IPS, Split-Ring White Plastic Escutcheon.....	6.10	2.86
22 11 19 00-0471 EA 1-1/4" IPS, Split-Ring White Plastic Escutcheon.....	6.59	3.14
22 11 19 00-0472 EA 1-1/2" IPS, Split-Ring White Plastic Escutcheon.....	7.09	3.33
22 11 19 00-0473 EA 2" IPS, Split-Ring White Plastic Escutcheon.....	8.08	3.81
22 11 19 00-0474 EA 2-1/2" IPS, Split-Ring White Plastic Escutcheon.....	9.06	4.10
22 11 19 00-0475 EA 3" IPS, Split-Ring White Plastic Escutcheon.....	10.05	4.29
22 11 19 00-0476 EA 4" IPS, Split-Ring White Plastic Escutcheon.....	11.51	4.77
22 11 19 00-0477 Chrome Plate Plastic Escutcheons (22 11 19 00-0465)		
22 11 19 00-0478 EA 1/2" IPS, Chrome Plate Plastic Escutcheon.....	5.43	2.38
22 11 19 00-0479 EA 3/4" IPS, Chrome Plate Plastic Escutcheon.....	5.96	2.67
22 11 19 00-0480 EA 1" IPS, Chrome Plate Plastic Escutcheon.....	6.56	2.86
22 11 19 00-0481 EA 1-1/4" IPS, Chrome Plate Plastic Escutcheon	7.16	3.14
22 11 19 00-0482 EA 1-1/2" IPS, Chrome Plate Plastic Escutcheon	7.66	3.33
22 11 19 00-0483 EA 2" IPS, Chrome Plate Plastic Escutcheon.....	9.05	3.81
22 11 19 00-0484 EA 2-1/2" IPS, Chrome Plate Plastic Escutcheon	10.81	4.10
22 11 19 00-0485 EA 3" IPS, Chrome Plate Plastic Escutcheon.....	11.34	4.29
22 11 19 00-0486 EA 4" IPS, Chrome Plate Plastic Escutcheon.....	12.40	4.77
22 11 19 00-0487 Stainless Steel Escutcheons (22 11 19 00-0447)		
22 11 19 00-0488 Shallow Stainless Steel Escutcheons (22 11 19 00-0487)		
22 11 19 00-0489 EA 3/8" IPS, Shallow Stainless Steel Escutcheon.....	12.01	2.39
22 11 19 00-0490 EA 1/2" IPS, Shallow Stainless Steel Escutcheon.....	12.01	2.39
22 11 19 00-0491 EA 3/4" IPS, Shallow Stainless Steel Escutcheon.....	16.41	2.68
22 11 19 00-0492 Chrome Plated Steel Escutcheons (22 11 19 00-0447)		
22 11 19 00-0493 Split-Ring Chrome Plated Steel Escutcheons (22 11 19 00-0492)		
22 11 19 00-0494 EA 1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	5.25	2.38
22 11 19 00-0495 EA 3/4" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	5.72	2.67
22 11 19 00-0496 EA 1" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	6.29	2.86
22 11 19 00-0497 EA 1-1/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	6.76	3.14
22 11 19 00-0498 EA 1-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	7.24	3.33
22 11 19 00-0499 EA 2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	8.34	3.81
22 11 19 00-0500 EA 2-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	12.04	4.10
22 11 19 00-0501 EA 3" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	12.78	4.29
22 11 19 00-0502 EA 3-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	15.50	4.58
22 11 19 00-0503 EA 4" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	13.97	4.77
22 11 19 00-0504 EA 5" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	17.73	5.24
22 11 19 00-0505 EA 6" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	20.55	5.72
22 11 19 00-0506 Split-Ring/Springs Chrome Plated Steel Escutcheons (22 11 19 00-0492)		

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0507	EA		3/8" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	7.95	2.38
22 11 19 00-0508	EA		1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	7.95	2.38
22 11 19 00-0509	EA		3/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	8.52	2.67
22 11 19 00-0510	EA		1" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	8.65	2.86
22 11 19 00-0511	EA		1-1/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	10.18	3.14
22 11 19 00-0512	EA		1-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	10.79	3.33
22 11 19 00-0513	EA		2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	12.75	3.81
22 11 19 00-0514	EA		2-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	14.56	4.10
22 11 19 00-0515	EA		3" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	17.59	4.29
22 11 19 00-0516	EA		3-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	21.38	4.58
22 11 19 00-0517	EA		4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	21.76	4.77
22 11 19 00-0518	EA		5" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	35.11	5.24
22 11 19 00-0519	EA		6" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	36.72	5.72
22 11 19 00-0520			Deep Bell Chrome Plated Steel Escutcheons (22 11 19 00-0492)		
22 11 19 00-0521	EA		3/8" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	6.35	2.68
22 11 19 00-0522	EA		1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	6.27	2.68
22 11 19 00-0523	EA		3/4" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	6.11	2.68
22 11 19 00-0524	EA		1" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	6.73	2.87
22 11 19 00-0525	EA		1-1/4" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	7.33	3.16
22 11 19 00-0526	EA		1-1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	8.03	3.35
22 11 19 00-0527			Shallow Chrome Plated Steel Escutcheons (22 11 19 00-0492)		
22 11 19 00-0528	EA		3/8" IPS, Shallow Chrome Plated Steel Escutcheon.....	5.79	2.39
22 11 19 00-0529	EA		1/2" IPS, Shallow Chrome Plated Steel Escutcheon.....	5.79	2.39
22 11 19 00-0530	EA		3/4" IPS, Shallow Chrome Plated Steel Escutcheon.....	5.87	2.39
22 11 19 00-0531	EA		1" IPS, Shallow Chrome Plated Steel Escutcheon.....	6.26	2.87
22 11 19 00-0532	EA		1-1/4" IPS, Shallow Chrome Plated Steel Escutcheon.....	6.79	3.16
22 11 19 00-0533	EA		1-1/2" IPS, Shallow Chrome Plated Steel Escutcheon.....	7.49	3.35
22 11 19 00-0534	EA		2" IPS, Shallow Chrome Plated Steel Escutcheon.....	8.49	3.82
22 11 19 00-0535			Keyed, Recessed Valve Boxes (22 11 19)		
22 11 19 00-0536	EA		8" x 8" x 4" Painted Steel, Keyed, Recessed Valve Box.....	219.99	28.59
22 11 19 00-0537	EA		8" x 8" x 6" Painted Steel, Keyed, Recessed Valve Box.....	243.25	28.59
22 11 19 00-0538	EA		8" x 8" x 8" Painted Steel, Keyed, Recessed Valve Box.....	278.14	28.59
22 11 19 00-0539	EA		12" x 12" x 4" Painted Steel, Keyed, Recessed Valve Box.....	273.94	38.12
22 11 19 00-0540	EA		12" x 12" x 6" Painted Steel, Keyed, Recessed Valve Box.....	308.83	38.12
22 11 19 00-0541	EA		12" x 12" x 8" Painted Steel, Keyed, Recessed Valve Box.....	319.30	38.12
22 11 19 00-0542	EA		8" x 8" x 4" Stainless Steel, Keyed, Recessed Valve Box.....	257.20	28.59
22 11 19 00-0543	EA		8" x 8" x 6" Stainless Steel, Keyed, Recessed Valve Box.....	308.38	28.59
22 11 19 00-0544	EA		8" x 8" x 8" Stainless Steel, Keyed, Recessed Valve Box.....	353.73	28.59
22 11 19 00-0545	EA		12" x 12" x 4" Stainless Steel, Keyed, Recessed Valve Box.....	339.07	38.12
22 11 19 00-0546	EA		12" x 12" x 6" Stainless Steel, Keyed, Recessed Valve Box.....	384.42	38.12
22 11 19 00-0547	EA		12" x 12" x 8" Stainless Steel, Keyed, Recessed Valve Box.....	401.87	38.12
22 11 23			Domestic Water Pumps (22 11)		
22 11 23 13			Domestic Water Packaged Booster Pumps And Tanks (22 11 23)		
			Note: Includes motor starter and controls.		
22 11 23 13-0001			Simplex Domestic Water Packaged Booster Pumps And Tank (22 11 23 13)		
22 11 23 13-0002	EA		1 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	4,351.49	281.46
22 11 23 13-0003	EA		1.5 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	4,649.06	378.21
22 11 23 13-0004	EA		2 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	4,974.48	474.97
22 11 23 13-0005	EA		3 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	5,285.98	571.72
22 11 23 13-0006	EA		5 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	5,903.78	668.48
22 11 23 13-0007	EA		7.5 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	6,591.20	765.23
22 11 23 13-0008	EA		10 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	7,111.55	861.99
22 11 23 13-0009			Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator (22 11 23 13)		
22 11 23 13-0010	EA		100 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	12,273.38	1,138.87
22 11 23 13-0011	EA		200 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	14,546.05	1,210.04
22 11 23 13-0012	EA		300 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	16,827.59	1,281.22
22 11 23 13-0013			Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator (22 11 23 13)		
22 11 23 13-0014	EA		200 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	15,732.99	1,210.04
22 11 23 13-0015	EA		300 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	19,258.37	1,281.22
22 11 23 13-0016	EA		500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	23,689.53	1,423.58
22 11 23 13-0017	EA		750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	29,663.87	1,565.94
22 11 23 13-0018	EA		1,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	35,638.22	1,708.30
22 11 23 13-0019	EA		1,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	41,417.73	1,921.84
22 11 23 13-0020	EA		2,500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	47,197.24	2,135.38
22 11 23 13-0021	EA		3,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	52,976.75	2,348.91
22 11 23 13-0022	EA		5,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	58,934.20	2,633.62



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 23 13-0023

Variable Speed Duplex Domestic Water Pressure Booster Skid (22 11 23 13)

Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.

22 11 23 13-0024	EA	40 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-1).....	23,801.38	1,174.40
22 11 23 13-0025	EA	40 GPM At 80 To 120 PSI, 80 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-2).....	24,872.51	1,174.40
22 11 23 13-0026	EA	80 GPM At 80 PSI, 120 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-3).....	26,403.01	1,174.40
22 11 23 13-0027	EA	80 GPM At 130 To 150 PSI, 120 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-4).....	28,609.22	1,174.40
22 11 23 13-0028	EA	160 GPM At 40 To 50 PSI, 200 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-5).....	27,055.20	1,247.80
22 11 23 13-0029	EA	160 GPM At 60 To 80 PSI, 200 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-6).....	28,981.13	1,247.80
22 11 23 13-0030	EA	160 GPM At 90 To 110 PSI, 200 GPM At 80 To 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-7).....	31,596.72	1,247.80
22 11 23 13-0031	EA	160 To 200 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-8).....	33,722.68	1,247.80
22 11 23 13-0032	EA	240 To 280 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-9).....	29,547.26	1,321.20
22 11 23 13-0033	EA	280 To 320 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-10).....	31,448.76	1,321.20
22 11 23 13-0034	EA	240 To 320 GPM At 90 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-11).....	35,700.69	1,321.20
22 11 23 13-0035	EA	240 To 320 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-12).....	42,836.86	1,321.20
22 11 23 13-0036	EA	360 To 400 GPM At 40 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-13).....	31,181.27	1,321.20
22 11 23 13-0037	EA	360 To 400 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-14).....	35,059.88	1,321.20
22 11 23 13-0038	EA	360 To 400 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-15).....	43,597.46	1,321.20
22 11 23 13-0039	EA	360 To 400 GPM At 120 To 140 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-16).....	43,350.90	1,321.20
22 11 23 13-0040	EA	440 To 480 GPM At 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-17).....	51,665.84	1,467.99
22 11 23 13-0041	EA	440 To 480 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-18).....	35,674.59	1,467.99
22 11 23 13-0042	EA	440 To 480 GPM At 60 To 90 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-19).....	43,449.24	1,467.99
22 11 23 13-0043	EA	440 To 480 GPM At 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-20).....	43,203.85	1,467.99
22 11 23 13-0044	EA	440 To 600 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-21).....	52,047.30	1,467.99
22 11 23 13-0045	EA	440 To 600 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-22).....	62,864.36	1,467.99
22 11 23 13-0046	EA	60 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-1).....	29,979.24	1,174.40

22 11 23 13-0047

Variable Speed Triplex Domestic Water Pressure Booster Skid (22 11 23 13)

Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.

22 11 23 13-0048	EA	60 GPM At 80 To 130 PSI, 120 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-2).....	29,979.24	1,174.40
22 11 23 13-0049	EA	120 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-3).....	33,489.17	1,174.40
22 11 23 13-0050	EA	60 GPM At 140 To 150 PSI, 120 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-4).....	36,517.62	1,174.40
22 11 23 13-0051	EA	180 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-5).....	33,672.67	1,247.80
22 11 23 13-0052	EA	180 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-6).....	36,680.19	1,247.80
22 11 23 13-0053	EA	240 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-7).....	34,375.12	1,247.80
22 11 23 13-0054	EA	240 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-8).....	36,960.47	1,247.80
22 11 23 13-0055	EA	240 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-9).....	40,515.76	1,247.80
22 11 23 13-0056	EA	240 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-10).....	43,462.81	1,247.80
22 11 23 13-0057	EA	300 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-11).....	34,728.42	1,321.20
22 11 23 13-0058	EA	300 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-12).....	37,313.77	1,321.20
22 11 23 13-0059	EA	300 GPM At 80 To 100 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-13).....	40,867.90	1,321.20



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 13-0060 EA 300 GPM At 110 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-14).....	43,814.94	1,321.20
22 11 23 13-0061 EA 360 GPM At 40 To 60 PSI, 420 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-15).....	37,635.92	1,321.20
22 11 23 13-0062 EA 360 GPM At 70 To 80 PSI, 420 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-16).....	40,118.93	1,321.20
22 11 23 13-0063 EA 360 GPM At 90 To 130 PSI, 420 GPM At 80 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-17).....	46,253.75	1,321.20
22 11 23 13-0064 EA 360 GPM At 140 To 150 PSI, 420 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-18).....	56,264.86	1,321.20
22 11 23 13-0065 EA 480 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-19).....	38,509.98	1,467.99
22 11 23 13-0066 EA 480 GPM At 50 To 70 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-20).....	40,994.15	1,467.99
22 11 23 13-0067 EA 480 GPM At 80 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-21).....	47,128.97	1,467.99
22 11 23 13-0068 EA 480 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-22).....	57,138.91	1,467.99
22 11 23 13-0069 EA 540 GPM At 40 PSI, 600 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-23).....	40,591.75	1,467.99
22 11 23 13-0070 EA 540 GPM At 50 To 90 PSI, 600 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-24).....	46,167.17	1,467.99
22 11 23 13-0071 EA 540 GPM At 100 To 110 PSI, 600 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-25).....	58,278.65	1,467.99
22 11 23 13-0072 EA 540 GPM At 120 To 130 PSI, 600 GPM At 120 To 130 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-26).....	59,452.12	1,467.99
22 11 23 13-0073 EA 540 GPM At 140 To 150 PSI, 600 GPM At 140 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-27).....	73,511.63	1,467.99
22 11 23 13-0074 EA 660 GPM At 40 To 50 PSI, 720 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-28).....	46,041.72	1,761.60
22 11 23 13-0075 EA 660 GPM At 60 To 90 PSI, 720,780,840,900 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-29).....	55,230.58	1,761.60
22 11 23 13-0076 EA 660, 720, 780 GPM At 100 PSI, 840 To 900 GPM At 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-30).....	58,714.93	1,761.60
22 11 23 13-0077 EA 660, 720, 780, 840, 900 GPM At 110 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-31).....	70,667.08	1,761.60
22 11 23 13-0078 EA 660, 720, 780, 840, 900 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-32).....	87,392.18	1,761.60

22 11 23 23 Domestic-Water In-Line Pumps (22 11 23)

22 11 23 23-0001 Bronze In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 23)

Note: ODP motor.

22 11 23 23-0002 EA 1/12 HP, 3/4" To 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL30B).....	703.76	158.32
22 11 23 23-0003 EA 1/6 HP, 3/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL36B).....	719.90	158.32
22 11 23 23-0004 EA 1/6 HP, 1" To 1-1/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL45B).....	750.97	161.40
22 11 23 23-0005 EA 1/6 HP, 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL50B).....	821.78	168.00
22 11 23 23-0006 EA 1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL75B).....	1,387.41	168.80
22 11 23 23-0007 EA 1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2AB).....	1,473.87	168.80
22 11 23 23-0008 EA 1/4 HP, 2-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2AB).....	2,166.73	185.86
22 11 23 23-0009 EA 1/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G LD3 AB).....	2,265.09	204.18
22 11 23 23-0010 EA 1/3 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G HD3 AB).....	2,730.12	224.64
22 11 23 23-0011 EA 1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB35S).....	2,799.95	247.23
22 11 23 23-0012 EA 3/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB37S).....	3,062.65	271.53
22 11 23 23-0013 EA 1 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB38S).....	4,339.92	298.82
22 11 23 23-0014 EA 1-1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB40S).....	4,982.71	313.30

22 11 23 23-0015 Cast Iron In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 23)

Note: ODP motor.

22 11 23 23-0016 EA 1/12 HP, 3/4" To 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL30).....	729.14	158.32
22 11 23 23-0017 EA 1/6 HP, 3/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL36).....	1,156.90	158.32
22 11 23 23-0018 EA 1/6 HP, 1" To 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45).....	1,163.27	161.40
22 11 23 23-0019 EA 1/6 HP, 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45).....	1,183.82	164.92
22 11 23 23-0020 EA 1/6 HP, 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL50).....	1,189.96	168.00
22 11 23 23-0021 EA 1/6 HP, 2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL75).....	1,203.32	168.80
22 11 23 23-0022 EA 1/4 HP, 2-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2).....	1,459.78	185.86
22 11 23 23-0023 EA 1/3 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G HD30).....	1,875.33	224.64
22 11 23 23-0024 EA 1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD35S).....	1,981.35	247.23
22 11 23 23-0025 EA 3/4 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD37S).....	2,303.24	271.53
22 11 23 23-0026 EA 1 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD38S).....	3,071.96	298.82
22 11 23 23-0027 EA 1-1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD40S).....	3,572.33	313.30
22 11 23 23-0028 EA 2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF).....	3,232.74	329.08
22 11 23 23-0029 EA 3 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF).....	3,479.54	361.73
22 11 23 23-0030 EA 5 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF).....	3,822.78	383.64
22 11 23 23-0031 EA 7-1/2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	4,801.38	426.27
22 11 23 23-0032 EA 10 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	5,124.97	511.60
22 11 23 23-0033 EA 15 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	6,507.38	597.04

22 12 Facility Potable-Water Storage Tanks (22 10)



	Plumbing	22
	Plumbing Piping	22 10
	Facility Potable-Water Storage Tanks	22 12

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 12 19 Facility Ground-Mounted, Potable-Water Storage Tanks (22 12)

22 12 19 00-0001	Steel, Horizontal, Ground-Mounted Water Tanks (22 12 19)		
22 12 19 00-0002	EA 5,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	26,731.83	7,660.22
22 12 19 00-0003	EA 10,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	29,638.50	7,660.22
22 12 19 00-0004	EA 20,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	52,063.48	11,821.34
22 12 19 00-0005	EA 35,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	67,243.45	15,320.44

22 12 19 00-0006 Galvanized Steel, Flat Bottom, Vertical Storage Tanks (22 12 19)

22 12 19 00-0007	EA 5,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	31,038.01	7,660.22
22 12 19 00-0008	EA 10,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	41,157.55	7,660.22
22 12 19 00-0009	EA 20,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	61,724.96	11,821.34
22 12 19 00-0010	EA 35,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	87,122.20	15,320.44

22 12 23 Facility Indoor Potable-Water Storage Tanks (22 12)

22 12 23 13 Facility Steel, Indoor Potable-Water Storage Pressure Tanks (22 12 23)

22 12 23 13-0001	Insulated Glass Lined Storage Tank (A.O. Smith TJ, TJV And TJH) (22 12 23 13)		
22 12 23 13-0002	EA 80 Gallon ASME Rated Tank, 150PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJ-80A).....	1,916.96	351.83
22 12 23 13-0003	EA 119 Gallon 150 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-120M).....	2,375.68	439.78
22 12 23 13-0004	EA 140 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-140A).....	4,314.41	483.76
22 12 23 13-0005	EA 200 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-200A).....	4,769.70	527.74
22 12 23 13-0006	EA 250 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-250A).....	9,372.30	571.72
22 12 23 13-0007	EA 350 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-350A).....	8,102.22	615.70
22 12 23 13-0008	EA 400 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-400A).....	13,822.99	659.68
22 12 23 13-0009	EA 500 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-500A).....	12,758.88	703.66
22 12 23 13-0010	EA 750 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-750A).....	13,857.02	747.63
22 12 23 13-0011	EA 1,000 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-1000A).....	16,489.19	791.61

22 12 23 13-0012 Uninsulated Glass Lined Storage Tank (A.O. Smith T) (22 12 23 13)

22 12 23 13-0013	EA 80 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-80S).....	1,651.36	351.83
22 12 23 13-0014	EA 120 Gallon 150 PSA, Uninsulated, Glass Lined Water Storage Tank (T-120S).....	3,123.77	439.78
22 12 23 13-0015	EA 140 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-140A).....	3,892.00	483.76
22 12 23 13-0016	EA 200 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200S).....	4,795.84	527.74
22 12 23 13-0017	EA 200 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200A).....	4,090.10	527.74
22 12 23 13-0018	EA 250 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-250A).....	6,273.10	571.72
22 12 23 13-0019	EA 325 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-325A).....	6,788.53	615.70
22 12 23 13-0020	EA 350 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350S).....	6,467.93	615.70
22 12 23 13-0021	EA 350 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350A).....	5,913.33	615.70
22 12 23 13-0022	EA 400 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-400A).....	8,052.06	659.68
22 12 23 13-0023	EA 500 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-500A).....	8,732.40	703.66
22 12 23 13-0024	EA 750 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-750A).....	10,123.42	747.63
22 12 23 13-0025	EA 1,000 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-1000A).....	18,863.90	791.61

22 12 23 26 Facility Plastic, Indoor Potable-Water Storage Non-Pressure Tanks (22 12 23)

22 12 23 26-0001 Horizontal Non-Pressurized Polyethylene Tanks (22 12 23 26)

Note: Excludes excavation and backfill.			
22 12 23 26-0002	EA 100 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	486.51	197.91
	<i>For Saddle Assembly, Add</i>	534.69	
22 12 23 26-0003	EA 150 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	569.55	230.89
	<i>For Saddle Assembly, Add</i>	534.69	
22 12 23 26-0004	EA 200 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	672.13	263.87
	<i>For Saddle Assembly, Add</i>	601.09	
22 12 23 26-0005	EA 300 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	809.86	296.85
	<i>For Saddle Assembly, Add</i>	860.21	
22 12 23 26-0006	EA 335 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	961.90	329.84
	<i>For Two Tie Down Bands, Add</i>	313.90	
22 12 23 26-0007	EA 535 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	1,239.28	440.30
	<i>For Two Tie Down Bands, Add</i>	332.13	
22 12 23 26-0008	EA 1,035 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	1,802.31	513.68
	<i>For Three Tie Down Bands, Add</i>	556.80	
22 12 23 26-0009	EA 1,335 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	2,547.05	587.07
	<i>For Three Tie Down Bands, Add</i>	560.70	
22 12 23 26-0010	EA 1,635 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	3,153.99	660.44
	<i>For Four Tie Down Bands, Add</i>	758.02	
22 12 23 26-0011	EA 2,035 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	3,680.82	733.83
	<i>For Four Tie Down Bands, Add</i>	1,023.65	
22 12 23 26-0012	EA 2,635 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	5,177.79	807.22
	<i>For Four Tie Down Bands, Add</i>	1,315.31	

22 Plumbing
22 10 Plumbing Piping
22 12 Facility Potable-Water Storage Tanks



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 12 23 26-0013	EA		3,135 Gallon Horizontal Non-Pressurized Polyethylene Tank <i>For Four Tie Down Bands, Add</i>	5,978.75 1,414.27	880.59
22 12 23 26-0014	EA		4,035 Gallon Horizontal Non-Pressurized Polyethylene Tank <i>For Four Tie Down Bands, Add</i>	8,556.42 1,586.14	1,174.12
22 12 23 26-0015	EA		5,025 Gallon Horizontal Non-Pressurized Polyethylene Tank <i>For Five Tie Down Bands, Add</i>	10,949.51 2,457.92	1,174.12
22 12 23 26-0016 Vertical Non-Pressurized Polyethylene Tanks <small>(22 12 23 26)</small>					
22 12 23 26-0017	EA		100 Gallon Vertical Non-Pressurized Polyethylene Tank.....	548.43	263.87
22 12 23 26-0018	EA		160 Gallon Vertical Non-Pressurized Polyethylene Tank.....	647.24	280.36
22 12 23 26-0019	EA		210 Gallon Vertical Non-Pressurized Polyethylene Tank.....	706.99	296.85
22 12 23 26-0020	EA		300 Gallon Vertical Non-Pressurized Polyethylene Tank.....	846.01	329.84
22 12 23 26-0021	EA		405 Gallon Vertical Non-Pressurized Polyethylene Tank.....	971.73	395.81
22 12 23 26-0022	EA		500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,145.63	461.78
22 12 23 26-0023	EA		800 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,569.20	587.07
22 12 23 26-0024	EA		1,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	2,022.69	733.83
22 12 23 26-0025	EA		2,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	2,681.90	880.59
22 12 23 26-0026	EA		3,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	3,463.53	1,027.36
22 12 23 26-0027	EA		4,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	4,978.21	1,174.12
22 12 23 26-0028	EA		5,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	6,646.54	1,320.90
22 12 23 26-0029	EA		6,250 Gallon Vertical Non-Pressurized Polyethylene Tank.....	7,524.52	1,467.66
22 12 23 26-0030	EA		7,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	8,290.51	1,614.43
22 12 23 26-0031	EA		8,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	9,517.44	1,761.19
22 12 23 26-0032	EA		9,150 Gallon Vertical Non-Pressurized Polyethylene Tank.....	10,722.24	1,907.95
22 12 23 26-0033	EA		10,500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	13,163.99	2,054.73
22 12 23 26-0034	EA		12,500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	15,794.93	2,348.26
22 13 Facility Sanitary Sewerage <small>(22 10)</small>					
22 13 13 Facility Sanitary Sewers <small>(22 13)</small>					
22 13 13 00-0001 Fixture Rough-In <small>(22 13 13)</small>					
Note: Excludes fixture. Not for use when individual component details are available, on remodeling work where partial pipe and fittings are installed or on residential projects. For use on commercial restrooms with multiple toilets, urinals and lavatories. Includes waste and vent pipe and fittings and domestic water supply pipe and fittings. Waste piping is included from fixture outlet tee to floor, vent piping is included from outlet tee within the wall to the ceiling and domestic water supply from ceiling to fixture and stub out with caps. Based on vertical floor to floor of 12'. Use detailed tasks (i.e. individual pipe and fittings, insulation, hangers, etc.) instead of rough-in assembly where possible. See CSI section 22 07 19 00-0000 for insulation, 22 11 16 00-0345 for copper pipe and fittings, 22 13 16 00-0000 for PVC or cast iron sanitary waste and vent pipe and fittings, 23 05 29 00-0000 for hangers.					
22 13 13 00-0002 Single Fixture Rough-In, Cast Iron Waste And Vent Pipe <small>(22 13 13 00-0001)</small>					
Note: Single fixtures have one fixture to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.					
22 13 13 00-0003	EA		Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	837.08	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.					
22 13 13 00-0004	EA		Wall Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,104.62	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.					
22 13 13 00-0005	EA		Tank Type Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	762.90	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.					
22 13 13 00-0006	EA		Wall Mounted Urinal, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	493.28	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.					
22 13 13 00-0007	EA		Wall Mounted Lavatory, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	581.31	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.					
22 13 13 00-0008	EA		Countertop Kitchen Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	742.65	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.					
22 13 13 00-0009	EA		Bathtub, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	789.26	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.					
22 13 13 00-0010	EA		Free Standing Water Cooler, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	477.14	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.					
22 13 13 00-0011	EA		Floor Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	762.90	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.					
22 13 13 00-0012	EA		Wall Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	785.76	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.					
22 13 13 00-0013	EA		Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	741.76	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.					
22 13 13 00-0014	EA		Bidet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	837.08	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.					
22 13 13 00-0015	EA		Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,311.13	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.					
22 13 13 00-0016	EA		Bathtub/Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	811.27	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.					
22 13 13 00-0017 Double Fixture Rough-In, Cast Iron Waste And Vent Pipe <small>(22 13 13 00-0001)</small>					
Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.					



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0018 EA Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,086.70	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.		
22 13 13 00-0019 EA Wall Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,480.47	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0020 EA Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	938.59	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0021 EA Wall Mounted Urinal, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	588.70	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0022 EA Wall Mounted Lavatory, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	792.49	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0023 EA Countertop Kitchen Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	839.22	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0024 EA Free Standing Water Cooler, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	557.06	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0025 EA Floor Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	947.37	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0026 EA Wall Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	827.33	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0027 EA Shower, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	805.36	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.		
22 13 13 00-0028 EA Bidet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,086.70	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucets.		
22 13 13 00-0029	Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe <small>(22 13 13 00-0001)</small>	
Note: Gang fixtures include multiple fixtures to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0030 EA Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	542.94	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.		
22 13 13 00-0031 EA Wall Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	740.23	
Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0032 EA Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	469.74	
Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture.		
22 13 13 00-0033 EA Wall Mounted Urinal, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	294.78	
Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0034 EA Wall Mounted Lavatory, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	396.27	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0035 EA Countertop Kitchen Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	419.59	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0036 EA Free Standing Water Cooler, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	300.52	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0037 EA Rough-in Service Sink, Floor Mounted, Gang Mounted Fixture Including Cast Iron Waste Pipe And Vent And Copper Domestic Supply, Not Including Fixture Or Faucet.....	473.26	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0038 EA Wall Mounted Service Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	413.65	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0039 EA Shower, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	403.09	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.		
22 13 13 00-0040 EA Bidet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	536.77	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0041	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe <small>(22 13 13 00-0001)</small>	
Note: Single fixtures have one fixture to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0042 EA Floor Mounted Water Closet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	403.84	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.		
22 13 13 00-0043 EA Wall Mounted Water Closet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	388.54	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0044 EA Tank Type Floor Mounted Water Closet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	393.54	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0045 EA Wall Mounted Urinal, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	226.72	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0046 EA Wall Mounted Lavatory, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	264.75	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0047 EA Countertop Kitchen Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	374.54	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0048 EA Bathtub, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	367.98	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0049 EA Free Standing Water Cooler, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	227.75	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0050 EA Floor Mounted Service Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....393.54 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	393.54	
22 13 13 00-0051 EA Wall Mounted Service Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....425.91 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	425.91	
22 13 13 00-0052 EA Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....387.34 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	387.34	
22 13 13 00-0053 EA Bidet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....403.73 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	403.73	
22 13 13 00-0054 EA Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....617.90 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	617.90	
22 13 13 00-0055 EA Bathtub/Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....387.22 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	387.22	
22 13 13 00-0056 Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe ^(22 13 00-0001) Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0057 EA Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....470.44 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	470.44	
22 13 13 00-0058 EA Wall Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....503.87 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	503.87	
22 13 13 00-0059 EA Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....411.07 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	411.07	
22 13 13 00-0060 EA Wall Mounted Urinal, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....239.82 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	239.82	
22 13 13 00-0061 EA Wall Mounted Lavatory, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....374.82 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures, carrier and faucets.	374.82	
22 13 13 00-0062 EA Countertop Kitchen Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....387.81 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures and faucets.	387.81	
22 13 13 00-0063 EA Free Standing Water Cooler, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....238.72 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	238.72	
22 13 13 00-0064 EA Floor Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....418.88 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	418.88	
22 13 13 00-0065 EA Wall Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....431.62 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	431.62	
22 13 13 00-0066 EA Shower, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....411.99 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	411.99	
22 13 13 00-0067 EA Bidet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....470.44 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	470.44	
22 13 13 00-0068 Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe ^(22 13 00-0001) Note: Gang fixtures include multiple fixtures to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0069 EA Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....234.86 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	234.86	
22 13 13 00-0070 EA Wall Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....251.51 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	251.51	
22 13 13 00-0071 EA Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....205.78 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	205.78	
22 13 13 00-0072 EA Wall Mounted Urinal, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....119.95 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	119.95	
22 13 13 00-0073 EA Wall Mounted Lavatory, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....187.38 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	187.38	
22 13 13 00-0074 EA Countertop Kitchen Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....193.68 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	193.68	
22 13 13 00-0075 EA Free Standing Water Cooler, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....119.36 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	119.36	
22 13 13 00-0076 EA Floor Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....209.35 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	209.35	
22 13 13 00-0077 EA Wall Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....215.84 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	215.84	



	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0078	EA Shower, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	206.37	
22 13 13 00-0079	EA Bidet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	229.03	
22 13 16 Sanitary Waste And Vent Piping (22 13)			
22 13 16 00-0001 Cast Iron Soil Pipe Assemblies (22 13 16)			
22 13 16 00-0002 Underground Bell And Spigot Cast Iron Soil Pipe Assemblies (22 13 16 00-0001) Note: Includes fittings and gaskets. Fittings are assumed every 10'. Excludes excavation, backfill and compaction. Not for use where detail is available.			
22 13 16 00-0003	LF 2" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	27.38	5.54
	<i>For Work In Restricted Working Space, Add</i>	4.07	
22 13 16 00-0004	LF 3" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	39.09	8.35
	<i>For Work In Restricted Working Space, Add</i>	5.51	
22 13 16 00-0005	LF 4" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	50.71	10.65
	<i>For Work In Restricted Working Space, Add</i>	7.09	
22 13 16 00-0006	LF 5" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	59.16	12.94
	<i>For Work In Restricted Working Space, Add</i>	7.28	
22 13 16 00-0007	LF 6" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	69.46	14.11
	<i>For Work In Restricted Working Space, Add</i>	8.09	
22 13 16 00-0008	LF 8" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	110.04	20.05
	<i>For Work In Restricted Working Space, Add</i>	11.35	
22 13 16 00-0009	LF 10" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	161.28	20.05
	<i>For Work In Restricted Working Space, Add</i>	12.85	
22 13 16 00-0010 Aboveground No Hub Cast Iron Soil Pipe Assemblies (22 13 16 00-0001) Note: Includes fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.			
22 13 16 00-0011	LF 1-1/2" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	23.45	5.27
	<i>For Work In Restricted Working Space, Add</i>	4.63	
22 13 16 00-0012	LF 2" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	24.93	5.62
	<i>For Work In Restricted Working Space, Add</i>	4.98	
22 13 16 00-0013	LF 3" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	31.83	8.18
	<i>For Work In Restricted Working Space, Add</i>	6.11	
22 13 16 00-0014	LF 4" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	37.85	10.65
	<i>For Work In Restricted Working Space, Add</i>	7.30	
22 13 16 00-0015	LF 5" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	48.51	12.70
	<i>For Work In Restricted Working Space, Add</i>	8.62	
22 13 16 00-0016	LF 6" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	54.57	13.86
	<i>For Work In Restricted Working Space, Add</i>	9.39	
22 13 16 00-0017	LF 8" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	83.91	19.88
	<i>For Work In Restricted Working Space, Add</i>	12.94	
22 13 16 00-0018	LF 10" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 20'. Not for use where detail is available.	116.12	22.59
	<i>For Work In Restricted Working Space, Add</i>	15.04	
22 13 16 00-0019 Bell And Spigot Cast Iron Soil Pipe And Fittings (22 13 16) Note: Service weight. ASTM A74 and CISPI 301 (Fitting Requirements).			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0020 Bell And Spigot Cast Iron Pipe (22 13 16 00-0019) Note: Excludes excavation, hangers, gaskets, and fittings.		
22 13 16 00-0021 LF 2" Bell And Spigot Cast Iron Pipe For Extra Heavy Pipe, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	19.45 4.65 0.42 2.51	5.54
22 13 16 00-0022 LF 3" Bell And Spigot Cast Iron Pipe For Extra Heavy Pipe, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	28.44 6.67 0.63 3.77	8.35
22 13 16 00-0023 LF 4" Bell And Spigot Cast Iron Pipe For Extra Heavy Pipe, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	36.63 8.67 0.80 4.80	10.65
22 13 16 00-0024 LF 5" Bell And Spigot Cast Iron Pipe For Extra Heavy Pipe, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	48.48 12.23 0.97 5.81	12.94
22 13 16 00-0025 LF 6" Bell And Spigot Cast Iron Pipe For Extra Heavy Pipe, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	56.59 14.90 1.06 6.34	14.11
22 13 16 00-0026 LF 8" Bell And Spigot Cast Iron Pipe For Extra Heavy Pipe, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	85.24 23.17 1.50 9.02	20.05
22 13 16 00-0027 LF 10" Bell And Spigot Cast Iron Pipe For Extra Heavy Pipe, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	125.68 38.57 1.69 10.16	22.59
22 13 16 00-0028 LF 12" Bell And Spigot Cast Iron Pipe For Extra Heavy Pipe, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	178.53 56.03 2.26 13.54	30.12
22 13 16 00-0029 LF 15" Bell And Spigot Cast Iron Pipe For Extra Heavy Pipe, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	249.13 81.89 2.71 16.25	36.12
22 13 16 00-0030 Bell And Spigot Cast Iron Fittings (22 13 16 00-0019)		
22 13 16 00-0031 Bell And Spigot Cast Iron Long Sweeps (22 13 16 00-0030)		
22 13 16 00-0032 EA 2" Bell And Spigot Cast Iron Long Sweep For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	88.11 17.60 1.89 11.35	25.25
22 13 16 00-0033 EA 3" Bell And Spigot Cast Iron Long Sweep For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	149.55 35.70 2.38 14.26	31.76
22 13 16 00-0034 EA 4" Bell And Spigot Cast Iron Long Sweep For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	199.25 47.59 3.16 18.98	42.22
22 13 16 00-0035 EA 6" Bell And Spigot Cast Iron Long Sweep For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	311.01 80.13 4.10 24.62	54.76
22 13 16 00-0036 EA 8" Bell And Spigot Cast Iron Long Sweep For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	616.35 178.71 5.29 31.73	70.56
22 13 16 00-0037 EA 10" Bell And Spigot Cast Iron Long Sweep For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	843.31 249.60 6.51 39.05	86.81
22 13 16 00-0038 EA 12" Bell And Spigot Cast Iron Long Sweep For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	1,293.52 389.15 9.08 54.50	121.15
22 13 16 00-0039 EA 15" Bell And Spigot Cast Iron Long Sweep For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	2,403.36 752.65 12.65 75.88	168.71
22 13 16 00-0040 Bell And Spigot Cast Iron Short Sweeps (22 13 16 00-0030)		
22 13 16 00-0041 EA 2" Bell And Spigot Cast Iron Short Sweep For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	74.83 12.95 1.89 11.35	25.25



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0042	EA		3" Bell And Spigot Cast Iron Short Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	127.27 27.91 2.38 14.26	31.76
22 13 16 00-0043	EA		4" Bell And Spigot Cast Iron Short Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	174.20 38.82 3.16 18.98	42.22
22 13 16 00-0044	EA		5" Bell And Spigot Cast Iron Short Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	261.55 67.13 3.49 20.93	46.55
22 13 16 00-0045	EA		6" Bell And Spigot Cast Iron Short Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	315.78 81.80 4.10 24.62	54.76
22 13 16 00-0046	EA		8" Bell And Spigot Cast Iron Short Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	520.34 145.10 5.29 31.73	70.56
22 13 16 00-0047	EA		10" Bell And Spigot Cast Iron Short Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	761.39 220.93 6.51 39.05	86.81
22 13 16 00-0048	EA		12" Bell And Spigot Cast Iron Short Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,262.97 378.46 9.08 54.50	121.15
22 13 16 00-0049 Bell And Spigot Cast Iron 1/4 Bends <small>(22 13 16 00-0030)</small>					
22 13 16 00-0050	EA		2" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	67.30 10.34 1.89 11.33	25.15
22 13 16 00-0051	EA		3" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	101.54 20.67 2.12 12.75	28.32
22 13 16 00-0052	EA		4" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	145.20 31.02 2.83 16.97	37.73
22 13 16 00-0053	EA		5" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	181.33 41.67 3.11 18.68	41.57
22 13 16 00-0054	EA		6" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	218.11 50.20 3.73 22.41	49.78
22 13 16 00-0055	EA		8" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	453.28 124.56 4.87 29.22	64.97
22 13 16 00-0056	EA		10" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	668.83 192.72 5.91 35.46	78.85
22 13 16 00-0057	EA		12" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	882.02 259.86 6.98 41.87	93.07
22 13 16 00-0058	EA		15" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,255.83 712.53 11.00 66.01	146.79
22 13 16 00-0059 Bell And Spigot Cast Iron 1/8 Bends <small>(22 13 16 00-0030)</small>					
22 13 16 00-0060	EA		2" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	61.42 8.26 1.89 11.35	25.25
22 13 16 00-0061	EA		3" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	96.23 17.04 2.38 14.26	31.76
22 13 16 00-0062	EA		4" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	137.15 25.85 3.16 18.98	42.22

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0063 EA 5" Bell And Spigot Cast Iron 1/8 Bend	171.10	52.02
For Extra Heavy Fittings, Add	32.60	
For Above Ground Cast Iron Pipe Installation, Add	3.90	
For Work In Restricted Working Space, Add	23.39	
22 13 16 00-0064 EA 6" Bell And Spigot Cast Iron 1/8 Bend	197.92	58.00
For Extra Heavy Fittings, Add	38.82	
For Above Ground Cast Iron Pipe Installation, Add	4.35	
For Work In Restricted Working Space, Add	26.10	
22 13 16 00-0065 EA 8" Bell And Spigot Cast Iron 1/8 Bend	394.21	77.83
For Extra Heavy Fittings, Add	97.13	
For Above Ground Cast Iron Pipe Installation, Add	5.83	
For Work In Restricted Working Space, Add	35.01	
22 13 16 00-0066 EA 10" Bell And Spigot Cast Iron 1/8 Bend	551.62	96.03
For Extra Heavy Fittings, Add	142.67	
For Above Ground Cast Iron Pipe Installation, Add	7.20	
For Work In Restricted Working Space, Add	43.20	
22 13 16 00-0067 EA 12" Bell And Spigot Cast Iron 1/8 Bend	891.99	124.54
For Extra Heavy Fittings, Add	246.87	
For Above Ground Cast Iron Pipe Installation, Add	9.33	
For Work In Restricted Working Space, Add	56.00	
22 13 16 00-0068 EA 15" Bell And Spigot Cast Iron 1/8 Bend	1,711.28	146.79
For Extra Heavy Fittings, Add	521.94	
For Above Ground Cast Iron Pipe Installation, Add	11.00	
For Work In Restricted Working Space, Add	66.01	
22 13 16 00-0069 Bell And Spigot Cast Iron Wyes (22 13 16 00-0030)		
22 13 16 00-0070 EA 2" Bell And Spigot Cast Iron Wye	107.27	56.38
For Extra Heavy Fittings, Add	7.95	
For Above Ground Cast Iron Pipe Installation, Add	4.23	
For Work In Restricted Working Space, Add	25.37	
22 13 16 00-0071 EA 3" Bell And Spigot Cast Iron Wye	135.10	61.75
For Extra Heavy Fittings, Add	14.88	
For Above Ground Cast Iron Pipe Installation, Add	4.63	
For Work In Restricted Working Space, Add	27.78	
22 13 16 00-0072 EA 4" Bell And Spigot Cast Iron Wye	177.87	80.92
For Extra Heavy Fittings, Add	19.80	
For Above Ground Cast Iron Pipe Installation, Add	6.06	
For Work In Restricted Working Space, Add	36.39	
22 13 16 00-0073 EA 5" Bell And Spigot Cast Iron Wye	228.53	89.53
For Extra Heavy Fittings, Add	33.00	
For Above Ground Cast Iron Pipe Installation, Add	6.71	
For Work In Restricted Working Space, Add	40.28	
22 13 16 00-0074 EA 6" Bell And Spigot Cast Iron Wye	286.85	106.11
For Extra Heavy Fittings, Add	44.71	
For Above Ground Cast Iron Pipe Installation, Add	7.96	
For Work In Restricted Working Space, Add	47.74	
22 13 16 00-0075 EA 8" Bell And Spigot Cast Iron Wye	526.33	142.13
For Extra Heavy Fittings, Add	109.63	
For Above Ground Cast Iron Pipe Installation, Add	10.66	
For Work In Restricted Working Space, Add	63.93	
22 13 16 00-0076 EA 10" Bell And Spigot Cast Iron Wye	738.88	161.25
For Extra Heavy Fittings, Add	174.00	
For Above Ground Cast Iron Pipe Installation, Add	12.09	
For Work In Restricted Working Space, Add	72.52	
22 13 16 00-0077 EA 12" Bell And Spigot Cast Iron Wye	1,094.06	196.28
For Extra Heavy Fittings, Add	279.93	
For Above Ground Cast Iron Pipe Installation, Add	14.71	
For Work In Restricted Working Space, Add	88.28	
22 13 16 00-0078 EA 15" Bell And Spigot Cast Iron Wye	1,699.68	220.23
For Extra Heavy Fittings, Add	479.33	
For Above Ground Cast Iron Pipe Installation, Add	16.51	
For Work In Restricted Working Space, Add	99.05	
22 13 16 00-0079 Bell And Spigot Cast Iron Reducing Wyes (22 13 16 00-0030)		
22 13 16 00-0080 EA 3" x 2" Bell And Spigot Cast Iron Reducing Wye	170.01	58.93
For Extra Heavy Fittings, Add	28.57	
For Above Ground Cast Iron Pipe Installation, Add	4.42	
For Work In Restricted Working Space, Add	26.51	
22 13 16 00-0081 EA 4" x 2" Bell And Spigot Cast Iron Reducing Wye	206.91	72.83
For Extra Heavy Fittings, Add	34.18	
For Above Ground Cast Iron Pipe Installation, Add	5.46	
For Work In Restricted Working Space, Add	32.77	
22 13 16 00-0082 EA 4" x 3" Bell And Spigot Cast Iron Reducing Wye	230.93	74.68
For Extra Heavy Fittings, Add	41.62	
For Above Ground Cast Iron Pipe Installation, Add	5.60	
For Work In Restricted Working Space, Add	33.61	
22 13 16 00-0083 EA 6" x 2" Bell And Spigot Cast Iron Reducing Wye	340.67	95.09
For Extra Heavy Fittings, Add	69.36	
For Above Ground Cast Iron Pipe Installation, Add	7.12	
For Work In Restricted Working Space, Add	42.75	



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0084	EA	6" x 3" Bell And Spigot Cast Iron Reducing Wye	349.51	96.83
		<i>For Extra Heavy Fittings, Add</i>	71.51	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.26	
		<i>For Work In Restricted Working Space, Add</i>	43.56	
22 13 16 00-0085	EA	6" x 4" Bell And Spigot Cast Iron Reducing Wye	365.80	103.29
		<i>For Extra Heavy Fittings, Add</i>	73.82	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.74	
		<i>For Work In Restricted Working Space, Add</i>	46.46	
22 13 16 00-0086	EA	8" x 2" Bell And Spigot Cast Iron Reducing Wye	538.93	114.30
		<i>For Extra Heavy Fittings, Add</i>	128.65	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.57	
		<i>For Work In Restricted Working Space, Add</i>	51.41	
22 13 16 00-0087	EA	8" x 3" Bell And Spigot Cast Iron Reducing Wye	563.43	116.50
		<i>For Extra Heavy Fittings, Add</i>	136.08	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.73	
		<i>For Work In Restricted Working Space, Add</i>	52.39	
22 13 16 00-0088	EA	8" x 4" Bell And Spigot Cast Iron Reducing Wye	576.93	122.00
		<i>For Extra Heavy Fittings, Add</i>	137.90	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.15	
		<i>For Work In Restricted Working Space, Add</i>	54.88	
22 13 16 00-0089	EA	8" x 6" Bell And Spigot Cast Iron Reducing Wye	681.96	135.71
		<i>For Extra Heavy Fittings, Add</i>	167.46	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.18	
		<i>For Work In Restricted Working Space, Add</i>	61.05	
22 13 16 00-0090	EA	10" x 3" Bell And Spigot Cast Iron Reducing Wye	842.29	127.16
		<i>For Extra Heavy Fittings, Add</i>	228.07	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.53	
		<i>For Work In Restricted Working Space, Add</i>	57.20	
22 13 16 00-0091	EA	10" x 4" Bell And Spigot Cast Iron Reducing Wye	876.18	132.75
		<i>For Extra Heavy Fittings, Add</i>	236.99	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.95	
		<i>For Work In Restricted Working Space, Add</i>	59.72	
22 13 16 00-0092	EA	10" x 6" Bell And Spigot Cast Iron Reducing Wye	958.48	146.79
		<i>For Extra Heavy Fittings, Add</i>	258.46	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.00	
		<i>For Work In Restricted Working Space, Add</i>	66.01	
22 13 16 00-0093	EA	10" x 8" Bell And Spigot Cast Iron Reducing Wye	1,268.64	155.68
		<i>For Extra Heavy Fittings, Add</i>	362.34	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.67	
		<i>For Work In Restricted Working Space, Add</i>	70.02	
22 13 16 00-0094	EA	12" x 4" Bell And Spigot Cast Iron Reducing Wye	1,305.92	155.68
		<i>For Extra Heavy Fittings, Add</i>	375.39	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.67	
		<i>For Work In Restricted Working Space, Add</i>	70.02	
22 13 16 00-0095	EA	12" x 6" Bell And Spigot Cast Iron Reducing Wye	1,358.95	168.71
		<i>For Extra Heavy Fittings, Add</i>	387.11	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	12.65	
		<i>For Work In Restricted Working Space, Add</i>	75.88	
22 13 16 00-0096	EA	12" x 8" Bell And Spigot Cast Iron Reducing Wye	1,596.54	177.07
		<i>For Extra Heavy Fittings, Add</i>	465.89	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	13.27	
		<i>For Work In Restricted Working Space, Add</i>	79.63	
22 13 16 00-0097	EA	12" x 10" Bell And Spigot Cast Iron Reducing Wye	1,941.84	182.32
		<i>For Extra Heavy Fittings, Add</i>	583.97	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	13.67	
		<i>For Work In Restricted Working Space, Add</i>	82.01	
22 13 16 00-0098	EA	15" x 4" Bell And Spigot Cast Iron Reducing Wye	3,215.34	171.92
		<i>For Extra Heavy Fittings, Add</i>	1,035.16	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	12.89	
		<i>For Work In Restricted Working Space, Add</i>	77.33	
22 13 16 00-0099	EA	15" x 6" Bell And Spigot Cast Iron Reducing Wye	3,355.49	186.05
		<i>For Extra Heavy Fittings, Add</i>	1,076.78	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	13.95	
		<i>For Work In Restricted Working Space, Add</i>	83.70	
22 13 16 00-0100	EA	15" x 8" Bell And Spigot Cast Iron Reducing Wye	3,424.11	194.08
		<i>For Extra Heavy Fittings, Add</i>	1,096.59	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	14.55	
		<i>For Work In Restricted Working Space, Add</i>	87.30	
22 13 16 00-0101	EA	15" x 10" Bell And Spigot Cast Iron Reducing Wye	3,503.78	200.68
		<i>For Extra Heavy Fittings, Add</i>	1,121.04	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	15.04	
		<i>For Work In Restricted Working Space, Add</i>	90.25	
22 13 16 00-0102	EA	15" x 12" Bell And Spigot Cast Iron Reducing Wye	3,592.09	212.36
		<i>For Extra Heavy Fittings, Add</i>	1,145.81	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	15.92	
		<i>For Work In Restricted Working Space, Add</i>	95.51	
22 13 16 00-0103		Bell And Spigot Cast Iron Combination Wye And 1/8 Bends (22 13 16 00-0030)		
22 13 16 00-0104	EA	2" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	116.99	56.38
		<i>For Extra Heavy Fittings, Add</i>	11.35	
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.23	
		<i>For Work In Restricted Working Space, Add</i>	25.37	

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0105	EA		3" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	141.10	61.75
			<i>For Extra Heavy Fittings, Add</i>	16.98	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.63	
			<i>For Work In Restricted Working Space, Add</i>	27.78	
22 13 16 00-0106	EA		4" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	188.29	80.92
			<i>For Extra Heavy Fittings, Add</i>	23.45	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.06	
			<i>For Work In Restricted Working Space, Add</i>	36.39	
22 13 16 00-0107	EA		5" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	262.17	93.92
			<i>For Extra Heavy Fittings, Add</i>	42.49	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.04	
			<i>For Work In Restricted Working Space, Add</i>	42.23	
22 13 16 00-0108	EA		6" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	328.34	116.49
			<i>For Extra Heavy Fittings, Add</i>	53.81	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.73	
			<i>For Work In Restricted Working Space, Add</i>	52.38	
22 13 16 00-0109	EA		8" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	603.67	153.05
			<i>For Extra Heavy Fittings, Add</i>	130.98	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.47	
			<i>For Work In Restricted Working Space, Add</i>	68.83	
22 13 16 00-0110	EA		10" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	871.77	200.68
			<i>For Extra Heavy Fittings, Add</i>	199.83	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	15.04	
			<i>For Work In Restricted Working Space, Add</i>	90.25	
22 13 16 00-0111	EA		12" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	1,169.18	257.96
			<i>For Extra Heavy Fittings, Add</i>	273.84	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	19.34	
			<i>For Work In Restricted Working Space, Add</i>	116.03	
22 13 16 00-0112			Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bends (22 13 16 00-0030)		
22 13 16 00-0113	EA		3" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	124.76	58.93
			<i>For Extra Heavy Fittings, Add</i>	12.73	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.42	
			<i>For Work In Restricted Working Space, Add</i>	26.51	
22 13 16 00-0114	EA		4" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	176.06	72.83
			<i>For Extra Heavy Fittings, Add</i>	23.39	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.46	
			<i>For Work In Restricted Working Space, Add</i>	32.77	
22 13 16 00-0115	EA		4" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	190.21	74.68
			<i>For Extra Heavy Fittings, Add</i>	27.37	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.60	
			<i>For Work In Restricted Working Space, Add</i>	33.61	
22 13 16 00-0116	EA		6" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	282.27	95.09
			<i>For Extra Heavy Fittings, Add</i>	48.92	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.12	
			<i>For Work In Restricted Working Space, Add</i>	42.75	
22 13 16 00-0117	EA		6" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	294.08	96.83
			<i>For Extra Heavy Fittings, Add</i>	52.11	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.26	
			<i>For Work In Restricted Working Space, Add</i>	43.56	
22 13 16 00-0118	EA		6" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	311.71	103.29
			<i>For Extra Heavy Fittings, Add</i>	54.89	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.74	
			<i>For Work In Restricted Working Space, Add</i>	46.46	
22 13 16 00-0119	EA		8" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	430.46	114.30
			<i>For Extra Heavy Fittings, Add</i>	90.69	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.57	
			<i>For Work In Restricted Working Space, Add</i>	51.41	
22 13 16 00-0120	EA		8" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	442.04	122.00
			<i>For Extra Heavy Fittings, Add</i>	90.69	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.15	
			<i>For Work In Restricted Working Space, Add</i>	54.88	
22 13 16 00-0121	EA		8" x 6" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	559.21	135.71
			<i>For Extra Heavy Fittings, Add</i>	124.50	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.18	
			<i>For Work In Restricted Working Space, Add</i>	61.05	
22 13 16 00-0122			Bell And Spigot Cast Iron Double Wyes (22 13 16 00-0030)		
22 13 16 00-0123	EA		2" Bell And Spigot Cast Iron Double Wye	190.75	67.46
			<i>For Extra Heavy Fittings, Add</i>	31.38	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.06	
			<i>For Work In Restricted Working Space, Add</i>	30.33	
22 13 16 00-0124	EA		3" Bell And Spigot Cast Iron Double Wye	277.99	85.05
			<i>For Extra Heavy Fittings, Add</i>	52.68	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.37	
			<i>For Work In Restricted Working Space, Add</i>	38.24	
22 13 16 00-0125	EA		4" Bell And Spigot Cast Iron Double Wye	377.44	107.57
			<i>For Extra Heavy Fittings, Add</i>	75.64	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.07	
			<i>For Work In Restricted Working Space, Add</i>	48.40	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0126	EA		6" Bell And Spigot Cast Iron Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	723.83 167.79 12.22 73.33	163.03
22 13 16 00-0127	EA		8" Bell And Spigot Cast Iron Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,454.92 408.42 14.40 86.41	192.14
22 13 16 00-0128	EA		10" Bell And Spigot Cast Iron Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,929.92 562.66 16.12 96.69	214.98
22 13 16 00-0129	EA		12" Bell And Spigot Cast Iron Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,333.17 331.24 19.34 116.03	257.96
22 13 16 00-0130	EA		15" Bell And Spigot Cast Iron Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,780.29 1,180.96 20.31 121.84	270.74
22 13 16 00-0131 Bell And Spigot Cast Iron Reducing Double Wyes (22 13 16 00-0030)					
22 13 16 00-0132	EA		3" x 2" Bell And Spigot Cast Iron Reducing Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	172.54 18.52 5.98 35.89	79.78
22 13 16 00-0133	EA		4" x 2" Bell And Spigot Cast Iron Reducing Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	200.52 22.08 6.87 41.23	91.65
22 13 16 00-0134	EA		4" x 3" Bell And Spigot Cast Iron Reducing Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	217.29 25.58 7.21 43.26	96.14
22 13 16 00-0135	EA		6" x 2" Bell And Spigot Cast Iron Reducing Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	278.61 38.18 8.48 50.86	113.08
22 13 16 00-0136	EA		6" x 3" Bell And Spigot Cast Iron Reducing Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	295.46 41.81 8.80 52.80	117.40
22 13 16 00-0137	EA		6" x 4" Bell And Spigot Cast Iron Reducing Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	340.28 51.92 9.60 57.58	128.02
22 13 16 00-0138	EA		8" x 4" Bell And Spigot Cast Iron Reducing Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	551.32 115.29 11.10 66.58	148.06
22 13 16 00-0139	EA		8" x 6" Bell And Spigot Cast Iron Reducing Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	599.84 117.98 13.14 78.83	175.21
22 13 16 00-0140	EA		10" x 4" Bell And Spigot Cast Iron Reducing Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	587.28 122.43 11.87 71.25	158.38
22 13 16 00-0141	EA		10" x 6" Bell And Spigot Cast Iron Reducing Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	684.36 141.88 13.95 83.70	186.05
22 13 16 00-0142	EA		10" x 8" Bell And Spigot Cast Iron Reducing Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	844.57 189.18 15.20 91.22	202.79
22 13 16 00-0143	EA		12" x 6" Bell And Spigot Cast Iron Reducing Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	862.65 193.06 15.55 93.32	207.45
22 13 16 00-0144	EA		12" x 8" Bell And Spigot Cast Iron Reducing Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,104.57 268.15 16.92 101.53	225.72
22 13 16 00-0145 Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bends (22 13 16 00-0030)					
22 13 16 00-0146	EA		2" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	158.62 20.13 5.06 30.33	67.46



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0147 EA 3" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	213.65	90.24
For Extra Heavy Fittings, Add	27.42	
For Above Ground Cast Iron Pipe Installation, Add	6.77	
For Work In Restricted Working Space, Add	40.60	
22 13 16 00-0148 EA 4" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	279.38	112.85
For Extra Heavy Fittings, Add	38.58	
For Above Ground Cast Iron Pipe Installation, Add	8.46	
For Work In Restricted Working Space, Add	50.75	
22 13 16 00-0149 EA 6" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	614.90	182.20
For Extra Heavy Fittings, Add	119.60	
For Above Ground Cast Iron Pipe Installation, Add	13.66	
For Work In Restricted Working Space, Add	81.95	
22 13 16 00-0150 Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bends (22 13 16 00-0030)		
22 13 16 00-0151 EA 3" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	212.21	80.92
For Extra Heavy Fittings, Add	31.82	
For Above Ground Cast Iron Pipe Installation, Add	6.06	
For Work In Restricted Working Space, Add	36.39	
22 13 16 00-0152 EA 4" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	251.98	91.65
For Extra Heavy Fittings, Add	40.09	
For Above Ground Cast Iron Pipe Installation, Add	6.87	
For Work In Restricted Working Space, Add	41.23	
22 13 16 00-0153 EA 4" x 3" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	282.93	102.03
For Extra Heavy Fittings, Add	45.50	
For Above Ground Cast Iron Pipe Installation, Add	7.65	
For Work In Restricted Working Space, Add	45.88	
22 13 16 00-0154 EA 6" x 4" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	568.58	135.90
For Extra Heavy Fittings, Add	127.68	
For Above Ground Cast Iron Pipe Installation, Add	10.19	
For Work In Restricted Working Space, Add	61.13	
22 13 16 00-0155 Bell And Spigot Cast Iron Sanitary Tees (22 13 16 00-0030)		
22 13 16 00-0156 EA 2" Bell And Spigot Cast Iron Sanitary Tee	129.48	56.47
For Extra Heavy Fittings, Add	15.69	
For Above Ground Cast Iron Pipe Installation, Add	4.23	
For Work In Restricted Working Space, Add	25.40	
22 13 16 00-0157 EA 3" Bell And Spigot Cast Iron Sanitary Tee	147.33	61.75
For Extra Heavy Fittings, Add	19.16	
For Above Ground Cast Iron Pipe Installation, Add	4.63	
For Work In Restricted Working Space, Add	27.78	
22 13 16 00-0158 EA 4" Bell And Spigot Cast Iron Sanitary Tee	238.04	75.64
For Extra Heavy Fittings, Add	43.60	
For Above Ground Cast Iron Pipe Installation, Add	5.67	
For Work In Restricted Working Space, Add	34.04	
22 13 16 00-0159 EA 5" Bell And Spigot Cast Iron Sanitary Tee	345.97	82.80
For Extra Heavy Fittings, Add	77.62	
For Above Ground Cast Iron Pipe Installation, Add	6.21	
For Work In Restricted Working Space, Add	37.26	
22 13 16 00-0160 EA 6" Bell And Spigot Cast Iron Sanitary Tee	415.04	99.32
For Extra Heavy Fittings, Add	93.15	
For Above Ground Cast Iron Pipe Installation, Add	7.45	
For Work In Restricted Working Space, Add	44.67	
22 13 16 00-0161 EA 8" Bell And Spigot Cast Iron Sanitary Tee	895.42	129.87
For Extra Heavy Fittings, Add	245.25	
For Above Ground Cast Iron Pipe Installation, Add	9.74	
For Work In Restricted Working Space, Add	58.42	
22 13 16 00-0162 EA 10" Bell And Spigot Cast Iron Sanitary Tee	1,347.29	158.38
For Extra Heavy Fittings, Add	388.43	
For Above Ground Cast Iron Pipe Installation, Add	11.87	
For Work In Restricted Working Space, Add	71.25	
22 13 16 00-0163 EA 12" Bell And Spigot Cast Iron Sanitary Tee	2,012.59	186.05
For Extra Heavy Fittings, Add	606.76	
For Above Ground Cast Iron Pipe Installation, Add	13.95	
For Work In Restricted Working Space, Add	83.70	
22 13 16 00-0164 Bell And Spigot Cast Iron Reducing Sanitary Tees (22 13 16 00-0030)		
22 13 16 00-0165 EA 3" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	174.26	58.93
For Extra Heavy Fittings, Add	30.06	
For Above Ground Cast Iron Pipe Installation, Add	4.42	
For Work In Restricted Working Space, Add	26.51	
22 13 16 00-0166 EA 4" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	206.34	69.04
For Extra Heavy Fittings, Add	36.00	
For Above Ground Cast Iron Pipe Installation, Add	5.17	
For Work In Restricted Working Space, Add	31.04	
22 13 16 00-0167 EA 4" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee	216.25	69.04
For Extra Heavy Fittings, Add	39.47	
For Above Ground Cast Iron Pipe Installation, Add	5.17	
For Work In Restricted Working Space, Add	31.04	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0168	EA		6" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	327.46 64.74 7.12 42.75	95.09
22 13 16 00-0169	EA		6" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	341.02 68.54 7.26 43.56	96.83
22 13 16 00-0170	EA		6" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	370.05 75.31 7.74 46.46	103.29
22 13 16 00-0171	EA		8" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	633.08 157.55 9.15 54.88	122.00
22 13 16 00-0172	EA		8" x 6" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	795.68 207.26 10.18 61.05	135.71
22 13 16 00-0173 Bell And Spigot Cast Iron Vent Tees (22 13 16 00-0030)					
22 13 16 00-0174	EA		2" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	110.76 9.17 4.23 25.37	56.38
22 13 16 00-0175	EA		3" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	138.17 15.95 4.63 27.78	61.75
22 13 16 00-0176	EA		4" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	183.06 21.62 6.06 36.39	80.92
22 13 16 00-0177	EA		5" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	232.91 32.25 7.04 42.23	93.92
22 13 16 00-0178	EA		6" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	293.33 41.55 8.73 52.38	116.49
22 13 16 00-0179	EA		8" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	505.71 96.69 11.47 68.83	153.05
22 13 16 00-0180 Bell And Spigot Cast Iron Tapped Sanitary Tees (22 13 16 00-0030)					
22 13 16 00-0181	EA		2" Bell And Spigot Cast Iron Tapped Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	113.83 10.24 4.23 25.37	56.38
22 13 16 00-0182	EA		3" Bell And Spigot Cast Iron Tapped Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	125.67 11.58 4.63 27.78	61.75
22 13 16 00-0183	EA		4" Bell And Spigot Cast Iron Tapped Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	162.06 14.27 6.06 36.39	80.92
22 13 16 00-0184 Bell And Spigot Cast Iron Tapped Sanitary Crosses (22 13 16 00-0030)					
22 13 16 00-0185	EA		2" Bell And Spigot Cast Iron Tapped Sanitary Cross <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	115.76 10.92 4.23 25.37	56.38
22 13 16 00-0186	EA		3" Bell And Spigot Cast Iron Tapped Sanitary Cross <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	129.35 12.87 4.63 27.78	61.75
22 13 16 00-0187	EA		4" Bell And Spigot Cast Iron Tapped Sanitary Cross <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	171.31 17.51 6.06 36.39	80.92
22 13 16 00-0188 Bell And Spigot Cast Iron Reducers (22 13 16 00-0030)					
22 13 16 00-0189	EA		3" x 2" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	64.10 5.80 2.38 14.26	31.76



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 16 00-0190	EA		4" x 2" Bell And Spigot Cast Iron Reducer	80.15	41.87
			<i>For Extra Heavy Fittings, Add</i>	6.06	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.14	
			<i>For Work In Restricted Working Space, Add</i>	18.85	
22 13 16 00-0191	EA		4" x 3" Bell And Spigot Cast Iron Reducer	85.79	42.22
			<i>For Extra Heavy Fittings, Add</i>	7.88	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.16	
			<i>For Work In Restricted Working Space, Add</i>	18.98	
22 13 16 00-0192	EA		6" x 2" Bell And Spigot Cast Iron Reducer	108.13	50.28
			<i>For Extra Heavy Fittings, Add</i>	11.45	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.77	
			<i>For Work In Restricted Working Space, Add</i>	22.63	
22 13 16 00-0193	EA		6" x 3" Bell And Spigot Cast Iron Reducer	113.18	50.95
			<i>For Extra Heavy Fittings, Add</i>	12.87	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.82	
			<i>For Work In Restricted Working Space, Add</i>	22.93	
22 13 16 00-0194	EA		6" x 4" Bell And Spigot Cast Iron Reducer	116.84	52.02
			<i>For Extra Heavy Fittings, Add</i>	13.61	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.90	
			<i>For Work In Restricted Working Space, Add</i>	23.39	
22 13 16 00-0195	EA		8" x 2" Bell And Spigot Cast Iron Reducer	152.14	53.60
			<i>For Extra Heavy Fittings, Add</i>	25.12	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.02	
			<i>For Work In Restricted Working Space, Add</i>	24.11	
22 13 16 00-0196	EA		8" x 3" Bell And Spigot Cast Iron Reducer	171.33	65.91
			<i>For Extra Heavy Fittings, Add</i>	25.38	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.94	
			<i>For Work In Restricted Working Space, Add</i>	29.64	
22 13 16 00-0197	EA		8" x 4" Bell And Spigot Cast Iron Reducer	175.85	67.60
			<i>For Extra Heavy Fittings, Add</i>	26.06	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.07	
			<i>For Work In Restricted Working Space, Add</i>	30.42	
22 13 16 00-0198	EA		8" x 6" Bell And Spigot Cast Iron Reducer	181.59	70.56
			<i>For Extra Heavy Fittings, Add</i>	26.54	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.29	
			<i>For Work In Restricted Working Space, Add</i>	31.73	
22 13 16 00-0199	EA		10" x 4" Bell And Spigot Cast Iron Reducer	227.28	79.19
			<i>For Extra Heavy Fittings, Add</i>	37.99	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.94	
			<i>For Work In Restricted Working Space, Add</i>	35.63	
22 13 16 00-0200	EA		10" x 6" Bell And Spigot Cast Iron Reducer	239.64	83.17
			<i>For Extra Heavy Fittings, Add</i>	40.22	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.24	
			<i>For Work In Restricted Working Space, Add</i>	37.42	
22 13 16 00-0201	EA		10" x 8" Bell And Spigot Cast Iron Reducer	255.44	86.81
			<i>For Extra Heavy Fittings, Add</i>	43.85	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.51	
			<i>For Work In Restricted Working Space, Add</i>	39.05	
22 13 16 00-0202	EA		12" x 4" Bell And Spigot Cast Iron Reducer	318.18	94.08
			<i>For Extra Heavy Fittings, Add</i>	62.01	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.05	
			<i>For Work In Restricted Working Space, Add</i>	42.30	
22 13 16 00-0203	EA		12" x 6" Bell And Spigot Cast Iron Reducer	354.58	110.07
			<i>For Extra Heavy Fittings, Add</i>	66.33	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.25	
			<i>For Work In Restricted Working Space, Add</i>	49.52	
22 13 16 00-0204	EA		12" x 8" Bell And Spigot Cast Iron Reducer	383.12	125.38
			<i>For Extra Heavy Fittings, Add</i>	68.29	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.40	
			<i>For Work In Restricted Working Space, Add</i>	56.40	
22 13 16 00-0205	EA		12" x 10" Bell And Spigot Cast Iron Reducer	419.32	144.42
			<i>For Extra Heavy Fittings, Add</i>	70.98	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.83	
			<i>For Work In Restricted Working Space, Add</i>	64.96	
22 13 16 00-0206	EA		15" x 6" Bell And Spigot Cast Iron Reducer	550.55	144.42
			<i>For Extra Heavy Fittings, Add</i>	116.91	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.83	
			<i>For Work In Restricted Working Space, Add</i>	64.96	
22 13 16 00-0207	EA		15" x 8" Bell And Spigot Cast Iron Reducer	585.68	155.68
			<i>For Extra Heavy Fittings, Add</i>	123.30	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.67	
			<i>For Work In Restricted Working Space, Add</i>	70.02	
22 13 16 00-0208	EA		15" x 10" Bell And Spigot Cast Iron Reducer	609.74	164.13
			<i>For Extra Heavy Fittings, Add</i>	127.26	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	12.31	
			<i>For Work In Restricted Working Space, Add</i>	73.84	
22 13 16 00-0209	EA		15" x 12" Bell And Spigot Cast Iron Reducer	642.36	175.21
			<i>For Extra Heavy Fittings, Add</i>	132.86	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	13.14	
			<i>For Work In Restricted Working Space, Add</i>	78.83	

22 13 16 00-0210 Bell And Spigot Cast Iron P-Traps (22 13 16 00-0030)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0211 EA 2" Bell And Spigot Cast Iron P-Trap.....	66.14	25.25
For Extra Heavy Fittings, Add	9.91	
For Above Ground Cast Iron Pipe Installation, Add	1.89	
For Work In Restricted Working Space, Add	11.35	
22 13 16 00-0212 EA 3" Bell And Spigot Cast Iron P-Trap.....	88.73	31.76
For Extra Heavy Fittings, Add	14.42	
For Above Ground Cast Iron Pipe Installation, Add	2.38	
For Work In Restricted Working Space, Add	14.26	
22 13 16 00-0213 EA 4" Bell And Spigot Cast Iron P-Trap.....	120.99	42.22
For Extra Heavy Fittings, Add	20.20	
For Above Ground Cast Iron Pipe Installation, Add	3.16	
For Work In Restricted Working Space, Add	18.98	
22 13 16 00-0214 EA 5" Bell And Spigot Cast Iron P-Trap.....	193.48	46.55
For Extra Heavy Fittings, Add	43.30	
For Above Ground Cast Iron Pipe Installation, Add	3.49	
For Work In Restricted Working Space, Add	20.93	
22 13 16 00-0215 EA 6" Bell And Spigot Cast Iron P-Trap.....	260.25	54.76
For Extra Heavy Fittings, Add	62.36	
For Above Ground Cast Iron Pipe Installation, Add	4.10	
For Work In Restricted Working Space, Add	24.62	
22 13 16 00-0216 EA 8" Bell And Spigot Cast Iron P-Trap.....	581.39	70.56
For Extra Heavy Fittings, Add	166.47	
For Above Ground Cast Iron Pipe Installation, Add	5.29	
For Work In Restricted Working Space, Add	31.73	
22 13 16 00-0217 EA 10" Bell And Spigot Cast Iron P-Trap.....	644.01	86.81
For Extra Heavy Fittings, Add	179.85	
For Above Ground Cast Iron Pipe Installation, Add	6.51	
For Work In Restricted Working Space, Add	39.05	
22 13 16 00-0218 Bell And Spigot Cast Iron Deep Seal P-Traps (22 13 16 00-0030)		
22 13 16 00-0219 EA 2" Bell And Spigot Cast Iron Deep Seal P-Trap.....	76.90	25.25
For Extra Heavy Fittings, Add	13.67	
For Above Ground Cast Iron Pipe Installation, Add	1.89	
For Work In Restricted Working Space, Add	11.35	
22 13 16 00-0220 EA 3" Bell And Spigot Cast Iron Deep Seal P-Trap.....	109.87	31.76
For Extra Heavy Fittings, Add	21.82	
For Above Ground Cast Iron Pipe Installation, Add	2.38	
For Work In Restricted Working Space, Add	14.26	
22 13 16 00-0221 EA 4" Bell And Spigot Cast Iron Deep Seal P-Trap.....	160.29	42.22
For Extra Heavy Fittings, Add	33.95	
For Above Ground Cast Iron Pipe Installation, Add	3.16	
For Work In Restricted Working Space, Add	18.98	
22 13 16 00-0222 EA 5" Bell And Spigot Cast Iron Deep Seal P-Trap.....	263.82	52.02
For Extra Heavy Fittings, Add	65.05	
For Above Ground Cast Iron Pipe Installation, Add	3.90	
For Work In Restricted Working Space, Add	23.39	
22 13 16 00-0223 EA 6" Bell And Spigot Cast Iron Deep Seal P-Trap.....	279.80	58.00
For Extra Heavy Fittings, Add	67.48	
For Above Ground Cast Iron Pipe Installation, Add	4.35	
For Work In Restricted Working Space, Add	26.10	
22 13 16 00-0224 Bell And Spigot Cast Iron Running Traps With Single Vent (22 13 16 00-0030)		
22 13 16 00-0225 EA 3" x 3" Bell And Spigot Cast Iron Running Trap With Single Vent.....	177.16	60.95
For Above Ground Cast Iron Pipe Installation, Add	4.63	
For Work In Restricted Working Space, Add	27.78	
22 13 16 00-0226 EA 4" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent.....	236.40	80.13
For Above Ground Cast Iron Pipe Installation, Add	6.06	
For Work In Restricted Working Space, Add	36.39	
22 13 16 00-0227 EA 5" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent.....	319.88	90.35
For Above Ground Cast Iron Pipe Installation, Add	6.83	
For Work In Restricted Working Space, Add	40.98	
22 13 16 00-0228 EA 6" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent.....	648.26	102.39
For Above Ground Cast Iron Pipe Installation, Add	7.74	
For Work In Restricted Working Space, Add	46.46	
22 13 16 00-0229 EA 8" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent.....	2,141.65	120.64
For Above Ground Cast Iron Pipe Installation, Add	9.15	
For Work In Restricted Working Space, Add	54.88	
22 13 16 00-0230 EA 8" x 6" Bell And Spigot Cast Iron Running Trap With Single Vent.....	2,318.62	134.61
For Above Ground Cast Iron Pipe Installation, Add	10.18	
For Work In Restricted Working Space, Add	61.05	
22 13 16 00-0231 Bell And Spigot Cast Running Traps With Double Vent (22 13 16 00-0030)		
22 13 16 00-0232 EA 3" x 3" Bell And Spigot Cast Iron Running Trap With Double Vent.....	226.27	84.18
For Above Ground Cast Iron Pipe Installation, Add	6.37	
For Work In Restricted Working Space, Add	38.24	
22 13 16 00-0233 EA 4" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent.....	309.54	106.25
For Above Ground Cast Iron Pipe Installation, Add	8.07	
For Work In Restricted Working Space, Add	48.40	
22 13 16 00-0234 EA 6" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent.....	721.74	126.53
For Above Ground Cast Iron Pipe Installation, Add	9.60	
For Work In Restricted Working Space, Add	57.58	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0235	EA		6" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	836.68 11.60 69.63	153.16
22 13 16 00-0236	EA		8" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,305.54 11.10 66.58	146.28
22 13 16 00-0237	EA		8" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,529.02 13.14 78.83	173.69
22 13 16 00-0238	EA		10" x 8" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,365.84 15.20 91.22	200.43
22 13 16 00-0239	EA		12" x 10" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,661.96 17.55 105.32	231.74
22 13 16 00-0240	EA		15" x 12" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	9,088.53 20.31 121.88	268.03
22 13 16 00-0241			Bell And Spigot Cast Iron Scission Joint Fittings (22 13 16 00-0030)		
22 13 16 00-0242	EA		2" Bell And Spigot Cast Iron Scission Joint Fitting <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	138.79 1.89 11.32	
22 13 16 00-0243	EA		3" Bell And Spigot Cast Iron Scission Joint Fitting <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	191.91 2.12 12.72	
22 13 16 00-0244	EA		4" Bell And Spigot Cast Iron Scission Joint Fitting <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	221.22 2.84 17.04	
22 13 16 00-0245	EA		5" Bell And Spigot Cast Iron Scission Joint Fitting <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	273.40 3.30 19.79	
22 13 16 00-0246	EA		6" Bell And Spigot Cast Iron Scission Joint Fitting <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	332.03 3.98 23.91	
22 13 16 00-0247	EA		8" Bell And Spigot Cast Iron Scission Joint Fitting <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	631.40 5.04 30.22	
22 13 16 00-0248			Cut And Prepare Existing In-Place Cast Iron Pipe (22 13 16 00-0019) Note: For use when connecting pipe to an existing in-place system.		
22 13 16 00-0249	EA		2", Cut And Prepare Existing In-Place Cast Iron Pipe <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	10.51 0.53 3.15	
22 13 16 00-0250	EA		3", Cut And Prepare Existing In-Place Cast Iron Pipe <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	11.47 0.57 3.44	
22 13 16 00-0251	EA		4", Cut And Prepare Existing In-Place Cast Iron Pipe <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.33 0.72 4.30	
22 13 16 00-0252	EA		6", Cut And Prepare Existing In-Place Cast Iron Pipe <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.20 0.86 5.16	
22 13 16 00-0253	EA		8", Cut And Prepare Existing In-Place Cast Iron Pipe <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.93 1.15 6.88	
22 13 16 00-0254	EA		10", Cut And Prepare Existing In-Place Cast Iron Pipe <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.75 1.34 8.03	
22 13 16 00-0255	EA		12", Cut And Prepare Existing In-Place Cast Iron Pipe <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	31.53 1.58 9.46	
22 13 16 00-0256	EA		15", Cut And Prepare Existing In-Place Cast Iron Pipe <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	36.31 1.82 10.89	
22 13 16 00-0257			Joint Material (22 13 16 00-0019) Note: Labor costs are included in the installation costs for fittings.		
22 13 16 00-0258	LB		Lead (1 LB/Diameter Inch) Joint Material 22 13 16 00-0259 LB Oakum (1/8 LB/Diameter Inch) Joint Material	4.97 9.75	
22 13 16 00-0260	EA		2" Dual Tite Rubber Gasket	0.72	
22 13 16 00-0261	EA		3" Dual Tite Rubber Gasket	0.99	
22 13 16 00-0262	EA		4" Dual Tite Rubber Gasket	1.23	
22 13 16 00-0263	EA		6" Dual Tite Rubber Gasket	2.04	
22 13 16 00-0264	EA		8" Dual Tite Rubber Gasket	4.49	
22 13 16 00-0265	EA		10" Dual Tite Rubber Gasket	6.89	
22 13 16 00-0266	EA		12" Dual Tite Rubber Gasket	8.78	
22 13 16 00-0267	EA		15" Dual Tite Rubber Gasket	10.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0268 No Hub Cast Iron Soil Pipe And Fittings (22 13 16) Note: Service Weight. Excludes hangers.		
22 13 16 00-0269 No Hub Cast Iron Pipe (22 13 16 00-0268) Note: Excludes couplings.		
22 13 16 00-0270 LF 1-1/2" No Hub Cast Iron Pipe 12.58		5.27
For Below Ground Installation, Add	0.40	
For Work In Restricted Working Space, Add	2.38	
22 13 16 00-0271 LF 2" No Hub Cast Iron Pipe..... 13.38		5.62
For Below Ground Installation, Add	0.43	
For Work In Restricted Working Space, Add	2.55	
22 13 16 00-0272 LF 3" No Hub Cast Iron Pipe..... 19.07		8.18
For Below Ground Installation, Add	0.62	
For Work In Restricted Working Space, Add	3.69	
22 13 16 00-0273 LF 4" No Hub Cast Iron Pipe..... 24.74		10.65
For Below Ground Installation, Add	0.80	
For Work In Restricted Working Space, Add	4.80	
22 13 16 00-0274 LF 5" No Hub Cast Iron Pipe..... 31.22		12.70
For Below Ground Installation, Add	0.95	
For Work In Restricted Working Space, Add	5.71	
22 13 16 00-0275 LF 6" No Hub Cast Iron Pipe..... 35.82		13.86
For Below Ground Installation, Add	1.04	
For Work In Restricted Working Space, Add	6.23	
22 13 16 00-0276 LF 8" No Hub Cast Iron Pipe..... 53.88		19.88
For Below Ground Installation, Add	1.49	
For Work In Restricted Working Space, Add	8.93	
22 13 16 00-0277 LF 10" No Hub Cast Iron Pipe..... 73.86		22.59
For Below Ground Installation, Add	1.69	
For Work In Restricted Working Space, Add	10.16	
22 13 16 00-0278 No Hub Cast Iron Fittings (22 13 16 00-0268)		
22 13 16 00-0279 No Hub Cast Iron Long Sweeps (22 13 16 00-0278)		
22 13 16 00-0280 EA 1-1/2" No Hub Cast Iron Long Sweep 49.41		24.98
For Below Ground Installation, Add	1.87	
For Work In Restricted Working Space, Add	11.23	
22 13 16 00-0281 EA 2" No Hub Cast Iron Long Sweep 49.71		24.98
For Below Ground Installation, Add	1.87	
For Work In Restricted Working Space, Add	11.23	
22 13 16 00-0282 EA 3" No Hub Cast Iron Long Sweep 58.29		28.59
For Below Ground Installation, Add	2.15	
For Work In Restricted Working Space, Add	12.87	
22 13 16 00-0283 EA 4" No Hub Cast Iron Long Sweep 79.69		37.82
For Below Ground Installation, Add	2.84	
For Work In Restricted Working Space, Add	17.03	
22 13 16 00-0284 EA 5" No Hub Cast Iron Long Sweep 105.03		41.90
For Below Ground Installation, Add	3.14	
For Work In Restricted Working Space, Add	18.84	
22 13 16 00-0285 EA 6" No Hub Cast Iron Long Sweep 124.73		49.95
For Below Ground Installation, Add	3.75	
For Work In Restricted Working Space, Add	22.48	
22 13 16 00-0286 EA 8" No Hub Cast Iron Long Sweep 232.81		64.47
For Below Ground Installation, Add	4.83	
For Work In Restricted Working Space, Add	29.01	
22 13 16 00-0287 No Hub Cast Iron Reducing Long Sweeps (22 13 16 00-0278)		
22 13 16 00-0288 EA 3" x 2" No Hub Cast Iron Reducing Long Sweep 70.97		28.59
For Below Ground Installation, Add	2.15	
For Work In Restricted Working Space, Add	12.87	
22 13 16 00-0289 EA 4" x 3" No Hub Cast Iron Reducing Long Sweep 103.85		37.82
For Below Ground Installation, Add	2.84	
For Work In Restricted Working Space, Add	17.03	
22 13 16 00-0290 No Hub Cast Iron Short Sweeps (22 13 16 00-0278)		
22 13 16 00-0291 EA 2" No Hub Cast Iron Short Sweep 47.16		24.98
For Below Ground Installation, Add	1.87	
For Work In Restricted Working Space, Add	11.23	
22 13 16 00-0292 EA 3" No Hub Cast Iron Short Sweep 56.27		28.59
For Below Ground Installation, Add	2.15	
For Work In Restricted Working Space, Add	12.87	
22 13 16 00-0293 EA 4" No Hub Cast Iron Short Sweep 78.63		37.82
For Below Ground Installation, Add	2.84	
For Work In Restricted Working Space, Add	17.03	
22 13 16 00-0294 EA 5" No Hub Cast Iron Short Sweep 105.43		41.90
For Below Ground Installation, Add	3.14	
For Work In Restricted Working Space, Add	18.84	
22 13 16 00-0295 EA 6" No Hub Cast Iron Short Sweep 118.54		49.95
For Below Ground Installation, Add	3.75	
For Work In Restricted Working Space, Add	22.48	

22 Plumbing
22 10 Plumbing Piping
22 13 Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0296	EA		8" No Hub Cast Iron Short Sweep <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	214.11 4.83 29.01	64.47
22 13 16 00-0297	EA		10" No Hub Cast Iron Short Sweep <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	341.89 6.77 40.61	90.27
22 13 16 00-0298			No Hub Cast Iron 1/4 Bends (22 13 16 00-0278)		
22 13 16 00-0299	EA		1-1/2" No Hub Cast Iron 1/4 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	43.45 1.80 10.77	23.93
22 13 16 00-0300	EA		2" No Hub Cast Iron 1/4 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	45.41 1.87 11.23	24.98
22 13 16 00-0301	EA		3" No Hub Cast Iron 1/4 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	53.43 2.15 12.87	28.59
22 13 16 00-0302	EA		4" No Hub Cast Iron 1/4 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	72.34 2.84 17.03	37.82
22 13 16 00-0303	EA		5" No Hub Cast Iron 1/4 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	97.61 3.14 18.84	41.90
22 13 16 00-0304	EA		6" No Hub Cast Iron 1/4 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	113.54 3.75 22.48	49.95
22 13 16 00-0305	EA		8" No Hub Cast Iron 1/4 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	199.54 4.83 29.01	64.47
22 13 16 00-0306			No Hub Cast Iron 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0307	EA		1-1/2" No Hub Cast Iron 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	41.83 1.80 10.77	23.93
22 13 16 00-0308	EA		2" No Hub Cast Iron 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	43.49 1.87 11.23	24.98
22 13 16 00-0309	EA		3" No Hub Cast Iron 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	51.54 2.15 12.87	28.59
22 13 16 00-0310	EA		4" No Hub Cast Iron 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	68.10 2.84 17.03	37.82
22 13 16 00-0311	EA		6" No Hub Cast Iron 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	109.68 4.19 25.13	55.85
22 13 16 00-0312	EA		8" No Hub Cast Iron 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	178.94 5.50 32.99	73.36
22 13 16 00-0313	EA		10" No Hub Cast Iron 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	265.45 6.77 40.60	90.24
22 13 16 00-0314			No Hub Cast Iron Wyes (22 13 16 00-0278)		
22 13 16 00-0315	EA		1-1/2" No Hub Cast Iron Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	66.92 2.82 16.92	37.64
22 13 16 00-0316	EA		2" No Hub Cast Iron Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	87.14 3.82 22.94	51.01
22 13 16 00-0317	EA		3" No Hub Cast Iron Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	98.33 4.19 25.13	55.85
22 13 16 00-0318	EA		4" No Hub Cast Iron Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	133.59 5.50 32.99	73.36
22 13 16 00-0319	EA		5" No Hub Cast Iron Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	173.41 6.11 36.68	81.56
22 13 16 00-0320	EA		6" No Hub Cast Iron Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	205.81 7.26 43.56	96.83
22 13 16 00-0321	EA		8" No Hub Cast Iron Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	335.79 9.67 58.01	129.02
22 13 16 00-0322	EA		10" No Hub Cast Iron Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	523.22 10.74 64.46	143.32
22 13 16 00-0323			No Hub Cast Iron Reducing Wyes (22 13 16 00-0278)		



	Plumbing 22	
	Plumbing Piping 22 10	22
	Facility Sanitary Sewerage 22 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0324 EA 3" x 1-1/2" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	84.49 3.65 21.90	48.73
22 13 16 00-0325 EA 3" x 2" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	95.25 4.19 25.13	55.85
22 13 16 00-0326 EA 4" x 2" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	107.29 4.63 27.78	61.75
22 13 16 00-0327 EA 4" x 3" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	122.57 5.14 30.86	68.61
22 13 16 00-0328 EA 6" x 2" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	156.24 6.18 37.07	82.39
22 13 16 00-0329 EA 6" x 3" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	165.91 6.45 38.72	86.12
22 13 16 00-0330 EA 6" x 4" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	191.20 7.54 45.26	100.65
22 13 16 00-0331 EA 8" x 4" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	233.63 7.61 45.63	101.44
22 13 16 00-0332 EA 8" x 6" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	267.82 8.36 50.14	111.51
22 13 16 00-0333 EA 10" x 4" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	391.36 8.91 53.43	118.79
22 13 16 00-0334 EA 10" x 6" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	413.77 9.53 57.20	127.16
22 13 16 00-0335 EA 10" x 8" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	471.49 10.18 61.07	135.79
22 13 16 00-0336 No Hub Cast Iron Combination Wye And 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0337 EA 1-1/2" No Hub Cast Iron Combination Wye And 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	76.30 3.28 19.69	43.80
22 13 16 00-0338 EA 2" No Hub Cast Iron Combination Wye And 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	87.57 3.82 22.94	51.01
22 13 16 00-0339 EA 3" No Hub Cast Iron Combination Wye And 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	101.57 4.19 25.13	55.85
22 13 16 00-0340 EA 4" No Hub Cast Iron Combination Wye And 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	142.75 5.50 32.99	73.36
22 13 16 00-0341 EA 6" No Hub Cast Iron Combination Wye And 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	251.74 8.46 50.75	112.85
22 13 16 00-0342 EA 8" No Hub Cast Iron Combination Wye And 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	424.29 10.85 65.12	144.78
22 13 16 00-0343 EA 10" No Hub Cast Iron Combination Wye And 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	500.34 13.12 78.72	175.04
22 13 16 00-0344 No Hub Cast Iron Reducing Combination Wye And 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0345 EA 2" x 1-1/2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	88.10 3.82 22.94	51.01
22 13 16 00-0346 EA 3" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	96.87 4.19 25.13	55.85
22 13 16 00-0347 EA 4" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	110.53 4.63 27.78	61.75
22 13 16 00-0348 EA 4" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	125.71 5.14 30.86	68.61
22 13 16 00-0349 EA 6" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	165.68 6.18 37.07	82.39
22 13 16 00-0350 EA 6" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	182.40 6.45 38.72	86.12
22 13 16 00-0351 EA 6" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	205.63 7.54 45.26	100.65



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0352 EA 8" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	260.61 7.61 45.63	101.44
22 13 16 00-0353 EA 8" x 6" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	329.49 8.36 50.14	111.51
22 13 16 00-0354 No Hub Cast Iron Double Wyes (22 13 16 00-0278)		
22 13 16 00-0355 EA 2" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	109.94 4.75 28.52	63.42
22 13 16 00-0356 EA 3" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	143.14 5.79 34.72	77.22
22 13 16 00-0357 EA 4" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	182.97 6.33 37.97	84.44
22 13 16 00-0358 EA 6" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	280.11 9.15 54.88	122.05
22 13 16 00-0359 EA 8" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	509.33 12.31 73.84	164.13
22 13 16 00-0360 No Hub Cast Iron Reducing Double Wyes (22 13 16 00-0278)		
22 13 16 00-0361 EA 3" x 2" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	128.84 5.27 31.60	70.28
22 13 16 00-0362 EA 4" x 2" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	152.91 6.07 36.40	80.92
22 13 16 00-0363 EA 4" x 3" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	167.88 6.61 39.68	88.22
22 13 16 00-0364 EA 6" x 4" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	240.15 8.07 48.40	107.61
22 13 16 00-0365 No Hub Cast Iron Double Combination Wye And 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0366 EA 2" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	140.28 5.71 34.27	76.17
22 13 16 00-0367 EA 3" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	166.91 6.33 37.97	84.44
22 13 16 00-0368 EA 4" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	244.60 8.38 50.26	111.80
22 13 16 00-0369 EA 6" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	348.67 12.94 77.61	172.57
22 13 16 00-0370 No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0371 EA 3" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	128.49 4.91 29.48	65.53
22 13 16 00-0372 EA 4" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	149.05 5.71 34.27	76.17
22 13 16 00-0373 EA 4" x 3" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	175.38 6.24 37.43	83.21
22 13 16 00-0374 No Hub Cast Iron Sanitary Tees (22 13 16 00-0278)		
22 13 16 00-0375 EA 1-1/2" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	65.32 2.77 16.60	36.86
22 13 16 00-0376 EA 2" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	87.67 3.82 22.94	51.01
22 13 16 00-0377 EA 3" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	97.13 4.19 25.13	55.85
22 13 16 00-0378 EA 4" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	130.87 5.50 32.99	73.36



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0379	EA		5" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	173.98 6.11 36.68	81.56
22 13 16 00-0380	EA		6" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	205.41 7.26 43.56	96.83
22 13 16 00-0381	EA		8" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	369.25 9.67 58.01	129.02
22 13 16 00-0382	EA		2" x 1-1/2" No Hub Cast Iron Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	73.57 3.12 18.71	41.61
22 13 16 00-0383	EA		3" x 1-1/2" No Hub Cast Iron Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	85.41 3.65 21.90	48.73
22 13 16 00-0384 No Hub Cast Iron Reducing Sanitary Tees (22 13 16 00-0278)					
22 13 16 00-0385	EA		3" x 2" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	88.89 3.82 22.94	51.01
22 13 16 00-0386	EA		3" x 4" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	101.70 3.82 22.94	51.01
22 13 16 00-0387	EA		4" x 2" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	119.40 5.17 31.04	69.04
22 13 16 00-0388	EA		4" x 3" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	122.51 5.17 31.04	69.04
22 13 16 00-0389	EA		5" x 2" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	153.13 5.81 34.85	77.49
22 13 16 00-0390	EA		5" x 3" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	157.46 5.81 34.85	77.49
22 13 16 00-0391	EA		5" x 4" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	157.99 5.81 34.85	77.49
22 13 16 00-0392	EA		6" x 4" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	164.07 6.05 36.30	80.73
22 13 16 00-0393	EA		8" x 6" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	294.15 8.16 48.93	108.80
22 13 16 00-0394 No Hub Cast Iron Sanitary Tapped Tees (22 13 16 00-0278)					
22 13 16 00-0395	EA		2" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	48.65 1.87 11.23	24.98
22 13 16 00-0396	EA		3" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	56.37 2.15 12.87	28.59
22 13 16 00-0397	EA		4" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	70.52 2.84 17.03	37.82
22 13 16 00-0398 No Hub Cast Iron Cleanout Tees (22 13 16 00-0278)					
22 13 16 00-0399	EA		2" No Hub Cast Iron Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	46.70 1.87 11.23	24.98
22 13 16 00-0400	EA		3" No Hub Cast Iron Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	57.80 2.15 12.87	28.59
22 13 16 00-0401	EA		4" No Hub Cast Iron Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	82.93 2.84 17.03	37.82
22 13 16 00-0402	EA		6" No Hub Cast Iron Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	134.84 4.19 25.13	55.85
22 13 16 00-0403 No Hub Cast Iron Two-Way Cleanout Tees (22 13 16 00-0278)					
22 13 16 00-0404	EA		4" No Hub Cast Iron Single Two-Way Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	184.72 5.50 32.99	73.36
22 13 16 00-0405	EA		4" No Hub Cast Iron Double Two-Way Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	236.55 8.36 50.14	111.44
22 13 16 00-0406 No Hub Cast Iron Cleanout Plugs (22 13 16 00-0278)					



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0407 EA 2" No Hub Cast Iron Cleanout Plug	41.37	24.98
For Below Ground Installation, Add	1.87	
For Work In Restricted Working Space, Add	11.23	
22 13 16 00-0408 EA 3" No Hub Cast Iron Cleanout Plug	49.09	28.59
For Below Ground Installation, Add	2.15	
For Work In Restricted Working Space, Add	12.87	
22 13 16 00-0409 EA 4" No Hub Cast Iron Cleanout Plug	68.50	37.82
For Below Ground Installation, Add	2.84	
For Work In Restricted Working Space, Add	17.03	
22 13 16 00-0410 EA 6" No Hub Cast Iron Cleanout Plug	105.71	55.85
For Below Ground Installation, Add	4.19	
For Work In Restricted Working Space, Add	25.13	
22 13 16 00-0411 EA 8" No Hub Cast Iron Cleanout Plug	140.11	73.36
For Below Ground Installation, Add	5.50	
For Work In Restricted Working Space, Add	32.99	
22 13 16 00-0412 No Hub Cast Iron Sanitary Crosses (22 13 16 00-0278)		
22 13 16 00-0413 EA 1-1/2" No Hub Cast Iron Sanitary Cross	87.42	49.25
For Below Ground Installation, Add	3.70	
For Work In Restricted Working Space, Add	22.17	
22 13 16 00-0414 EA 2" No Hub Cast Iron Sanitary Cross	93.36	51.01
For Below Ground Installation, Add	3.82	
For Work In Restricted Working Space, Add	22.94	
22 13 16 00-0415 EA 3" No Hub Cast Iron Sanitary Cross	110.34	55.85
For Below Ground Installation, Add	4.19	
For Work In Restricted Working Space, Add	25.13	
22 13 16 00-0416 EA 4" No Hub Cast Iron Sanitary Cross	159.90	73.36
For Below Ground Installation, Add	5.50	
For Work In Restricted Working Space, Add	32.99	
22 13 16 00-0417 No Hub Cast Iron Reducing Sanitary Crosses (22 13 16 00-0278)		
22 13 16 00-0418 EA 3" x 2" No Hub Cast Iron Sanitary Cross	122.15	65.53
For Below Ground Installation, Add	4.91	
For Work In Restricted Working Space, Add	29.48	
22 13 16 00-0419 EA 4" x 2" No Hub Cast Iron Sanitary Cross	134.92	67.46
For Below Ground Installation, Add	5.06	
For Work In Restricted Working Space, Add	30.35	
22 13 16 00-0420 EA 4" x 3" No Hub Cast Iron Sanitary Cross	146.32	70.45
For Below Ground Installation, Add	5.28	
For Work In Restricted Working Space, Add	31.67	
22 13 16 00-0421 No Hub Cast Iron Reducers (22 13 16 00-0278)		
22 13 16 00-0422 EA 3" x 2" No Hub Cast Iron Reducer	82.14	51.01
For Below Ground Installation, Add	3.82	
For Work In Restricted Working Space, Add	22.94	
22 13 16 00-0423 EA 4" x 2" No Hub Cast Iron Reducer	112.12	69.04
For Below Ground Installation, Add	5.17	
For Work In Restricted Working Space, Add	31.04	
22 13 16 00-0424 EA 4" x 3" No Hub Cast Iron Reducer	112.38	69.04
For Below Ground Installation, Add	5.17	
For Work In Restricted Working Space, Add	31.04	
22 13 16 00-0425 EA 5" x 2" No Hub Cast Iron Reducer	128.83	77.49
For Below Ground Installation, Add	5.81	
For Work In Restricted Working Space, Add	34.85	
22 13 16 00-0426 EA 5" x 3" No Hub Cast Iron Reducer	130.58	77.49
For Below Ground Installation, Add	5.81	
For Work In Restricted Working Space, Add	34.85	
22 13 16 00-0427 EA 5" x 4" No Hub Cast Iron Reducer	131.28	77.49
For Below Ground Installation, Add	5.81	
For Work In Restricted Working Space, Add	34.85	
22 13 16 00-0428 EA 6" x 3" No Hub Cast Iron Reducer	150.95	86.12
For Below Ground Installation, Add	6.45	
For Work In Restricted Working Space, Add	38.72	
22 13 16 00-0429 EA 6" x 4" No Hub Cast Iron Reducer	151.22	86.12
For Below Ground Installation, Add	6.45	
For Work In Restricted Working Space, Add	38.72	
22 13 16 00-0430 EA 6" x 5" No Hub Cast Iron Reducer	152.01	86.12
For Below Ground Installation, Add	6.45	
For Work In Restricted Working Space, Add	38.72	
22 13 16 00-0431 EA 8" x 2" No Hub Cast Iron Reducer	209.65	120.39
For Below Ground Installation, Add	9.02	
For Work In Restricted Working Space, Add	54.15	
22 13 16 00-0432 EA 8" x 3" No Hub Cast Iron Reducer	211.67	120.39
For Below Ground Installation, Add	9.02	
For Work In Restricted Working Space, Add	54.15	
22 13 16 00-0433 EA 8" x 4" No Hub Cast Iron Reducer	214.92	120.39
For Below Ground Installation, Add	9.02	
For Work In Restricted Working Space, Add	54.15	
22 13 16 00-0434 EA 8" x 5" No Hub Cast Iron Reducer	218.29	120.39
For Below Ground Installation, Add	9.02	
For Work In Restricted Working Space, Add	54.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0435 EA 8" x 6" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	218.69 9.02 54.15	120.39
22 13 16 00-0436 EA 10" x 4" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	252.99 9.52 57.11	127.00
22 13 16 00-0437 EA 10" x 6" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	269.01 9.94 59.65	132.57
22 13 16 00-0438 EA 10" x 8" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	299.82 10.79 64.72	143.91
22 13 16 00-0439 No Hub Cast Iron Blind Plugs (22 13 16 00-0278)		
22 13 16 00-0440 EA 1-1/2" No Hub Cast Iron Blind Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.14 1.80 10.77	23.93
22 13 16 00-0441 EA 2" No Hub Cast Iron Blind Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	40.54 1.87 11.23	24.98
22 13 16 00-0442 EA 3" No Hub Cast Iron Blind Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	48.43 2.15 12.87	28.59
22 13 16 00-0443 EA 4" No Hub Cast Iron Blind Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	64.16 2.84 17.03	37.82
22 13 16 00-0444 EA 5" No Hub Cast Iron Blind Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	77.66 3.19 19.17	43.14
22 13 16 00-0445 EA 6" No Hub Cast Iron Blind Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	88.84 3.75 22.48	49.95
22 13 16 00-0446 EA 8" No Hub Cast Iron Blind Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	140.55 4.83 29.01	64.47
22 13 16 00-0447 EA 10" No Hub Cast Iron Blind Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	167.19 5.21 31.24	69.46
22 13 16 00-0448 No Hub Cast Iron P-Traps (22 13 16 00-0278)		
22 13 16 00-0449 EA 2" No Hub Cast Iron P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	48.92 1.87 11.23	24.98
22 13 16 00-0450 EA 3" No Hub Cast Iron P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	69.08 2.15 12.87	28.59
22 13 16 00-0451 EA 4" No Hub Cast Iron P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	102.23 2.84 17.03	37.82
22 13 16 00-0452 EA 5" No Hub Cast Iron P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	167.36 3.16 18.98	42.23
22 13 16 00-0453 EA 6" No Hub Cast Iron P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	179.68 3.78 22.65	50.36
22 13 16 00-0454 No Hub Cast Iron Deep Seal P-Traps (22 13 16 00-0278)		
22 13 16 00-0455 EA 2" No Hub Cast Iron Deep Seal P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	74.95 2.38 14.26	31.76
22 13 16 00-0456 EA 3" No Hub Cast Iron Deep Seal P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	107.01 3.16 18.98	42.22
22 13 16 00-0457 EA 4" No Hub Cast Iron Deep Seal P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	153.74 4.18 25.07	55.76
22 13 16 00-0458 No Hub Cast Iron Closet Flanges (22 13 16 00-0278)		
22 13 16 00-0459 EA 4" No Hub Cast Iron Closet Flange <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	74.96 2.84 17.03	37.82
22 13 16 00-0460 EA 4" x 2-1/2" No Hub Cast Iron Offset Closet Flange <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	78.74 2.84 17.03	37.82
22 13 16 00-0461 No Hub Cast Iron Closet Bends (22 13 16 00-0278)		
22 13 16 00-0462 EA 4" x 16" No Hub Cast Iron Closet Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	128.02 2.84 17.03	37.82



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 13 16 00-0463	No Hub Cast Iron Threaded Adapter <small>(22 13 16 00-0278)</small>		
22 13 16 00-0464	EA 1-1/4" No Hub Cast Iron Threaded Adapter.....	57.40	31.76
	<i>For Below Ground Installation, Add</i>	2.38	
	<i>For Work In Restricted Working Space, Add</i>	14.26	
22 13 16 00-0465	EA 1-1/2" No Hub Cast Iron Threaded Adapter.....	60.45	31.76
	<i>For Below Ground Installation, Add</i>	2.38	
	<i>For Work In Restricted Working Space, Add</i>	14.26	
22 13 16 00-0466	No Hub Couplings <small>(22 13 16 00-0278)</small>		
	Note: Includes stainless steel shield/clamps assembly with elastomeric gasket, ASTM C 564. (Fernco NH).		
22 13 16 00-0467	EA 1-1/2" No Hub Coupling.....	5.61	
	<i>For Medium Duty (Fernco MD-2000), Add</i>	0.73	
	<i>For Heavy Duty (Fernco HD-4000), Add</i>	1.51	
22 13 16 00-0468	EA 2" No Hub Coupling.....	5.61	
	<i>For Medium Duty (Fernco MD-2000), Add</i>	0.73	
	<i>For Heavy Duty (Fernco HD-4000), Add</i>	1.51	
22 13 16 00-0469	EA 3" No Hub Coupling.....	6.66	
	<i>For Medium Duty (Fernco MD-2000), Add</i>	0.87	
	<i>For Heavy Duty (Fernco HD-4000), Add</i>	1.80	
22 13 16 00-0470	EA 4" No Hub Coupling.....	7.90	
	<i>For Medium Duty (Fernco MD-2000), Add</i>	1.03	
	<i>For Heavy Duty (Fernco HD-4000), Add</i>	2.13	
22 13 16 00-0471	EA 5" No Hub Coupling.....	18.28	
	<i>For Medium Duty (Fernco MD-2000), Add</i>	2.38	
	<i>For Heavy Duty (Fernco HD-4000), Add</i>	4.94	
22 13 16 00-0472	EA 6" No Hub Coupling.....	20.08	
	<i>For Medium Duty (Fernco MD-2000), Add</i>	2.61	
	<i>For Heavy Duty (Fernco HD-4000), Add</i>	5.42	
22 13 16 00-0473	EA 8" No Hub Coupling.....	37.84	
	<i>For Medium Duty (Fernco MD-2000), Add</i>	4.92	
	<i>For Heavy Duty (Fernco HD-4000), Add</i>	10.22	
22 13 16 00-0474	EA 10" No Hub Coupling.....	52.12	
	<i>For Medium Duty (Fernco MD-2000), Add</i>	6.78	
	<i>For Heavy Duty (Fernco HD-4000), Add</i>	14.07	
22 13 16 00-0475	EA 2" x 1-1/2" No Hub Reducing Coupling.....	6.66	
22 13 16 00-0476	EA 3" x 2" No Hub Reducing Coupling.....	10.33	
22 13 16 00-0477	EA 4" x 2" No Hub Reducing Coupling.....	14.40	
22 13 16 00-0478	EA 4" x 3" No Hub Reducing Coupling.....	12.27	
22 13 16 00-0479	Cast Iron Mechanical Joint Couplings With Neoprene Gasket And Bolts <small>(22 13 16 00-0278)</small>		
	Note: For underground connections. See CSI section 22 13 16 00-0861 for additional FERNCO couplings.		
22 13 16 00-0480	EA 1-1/2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	21.81	
22 13 16 00-0481	EA 2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	22.51	
22 13 16 00-0482	EA 3" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	23.64	
22 13 16 00-0483	EA 4" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	27.57	
22 13 16 00-0484	EA 5" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	52.05	
22 13 16 00-0485	EA 6" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	71.47	
22 13 16 00-0486	EA 8" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	125.21	
22 13 16 00-0487	EA 10" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	191.33	
22 13 16 00-0488	Cut And Prepare Existing Pipe In-Place <small>(22 13 16 00-0268)</small>		
	Note: For use when connecting pipe to an existing in-place system.		
22 13 16 00-0489	EA Cut And Prepare 1-1/2" Cast Iron Pipe, No Hub.....	8.60	
	<i>For Work In Restricted Working Space, Add</i>	2.58	
22 13 16 00-0490	EA Cut And Prepare 2" Cast Iron Pipe, No Hub.....	10.51	
	<i>For Work In Restricted Working Space, Add</i>	3.15	
22 13 16 00-0491	EA Cut And Prepare 3" Cast Iron Pipe, No Hub.....	11.47	
	<i>For Work In Restricted Working Space, Add</i>	3.44	
22 13 16 00-0492	EA Cut And Prepare 4" Cast Iron Pipe, No Hub.....	14.33	
	<i>For Work In Restricted Working Space, Add</i>	4.30	
22 13 16 00-0493	EA Cut And Prepare 6" Cast Iron Pipe, No Hub.....	17.20	
	<i>For Work In Restricted Working Space, Add</i>	5.16	
22 13 16 00-0494	EA Cut And Prepare 8" Cast Iron Pipe, No Hub.....	22.93	
	<i>For Work In Restricted Working Space, Add</i>	6.88	
22 13 16 00-0495	EA Cut And Prepare 10" Cast Iron Pipe, No Hub.....	26.75	
	<i>For Work In Restricted Working Space, Add</i>	8.03	
22 13 16 00-0496	Copper Drain-Waste-Vent (DWV) Pipe <small>(22 13 16)</small>		
	See CSI section 22 11 16 00-0413 for copper and brass fittings.		
22 13 16 00-0497	LF 1-1/4" Hard Drawn DWV Copper Tube/Pipe.....	10.84	4.13
22 13 16 00-0498	LF 1-1/2" Hard Drawn DWV Copper Tube/Pipe.....	12.75	4.62
22 13 16 00-0499	LF 2" Hard Drawn DWV Copper Tube/Pipe.....	16.26	5.69
22 13 16 00-0500	LF 3" Hard Drawn DWV Copper Tube/Pipe.....	37.12	7.89
22 13 16 00-0501	LF 4" Hard Drawn DWV Copper Tube/Pipe.....	49.31	8.90
22 13 16 00-0502	LF 5" Hard Drawn DWV Copper Tube/Pipe.....	88.24	10.22
22 13 16 00-0503	LF 6" Hard Drawn DWV Copper Tube/Pipe.....	127.36	15.84



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0504				Polyvinyl Chloride (PVC) Drain-Waste-Vent (DWV) Pipe And Fittings (22 13 16) Note: Aboveground installation. See CSI section 33 31 11 00-0002 for underground installation.		
22 13 16 00-0505				Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies (22 13 16 00-0504) Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
22 13 16 00-0506	LF			1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly 18.19 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	18.19	3.69
				<i>For Work In Restricted Working Space, Add</i> 4.23		
22 13 16 00-0507	LF			2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly 20.64 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	20.64	4.40
				<i>For Work In Restricted Working Space, Add</i> 4.71		
22 13 16 00-0508	LF			3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly 27.29 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	27.29	6.33
				<i>For Work In Restricted Working Space, Add</i> 5.85		
22 13 16 00-0509	LF			4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly 31.36 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	31.36	6.86
				<i>For Work In Restricted Working Space, Add</i> 6.39		
22 13 16 00-0510	LF			6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly 43.31 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	43.31	8.79
				<i>For Work In Restricted Working Space, Add</i> 8.18		
22 13 16 00-0511	LF			8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly 53.37 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	53.37	11.70
				<i>For Work In Restricted Working Space, Add</i> 9.38		
22 13 16 00-0512	LF			10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly 72.73 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	72.73	15.66
				<i>For Work In Restricted Working Space, Add</i> 12.23		
22 13 16 00-0513				Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (22 13 16 00-0504) Note: Excludes fittings or hangers.		
22 13 16 00-0514				Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (ASTM D-2665) (22 13 16 00-0513) Note: Excludes fittings or hangers.		
22 13 16 00-0515	LF			1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe 6.35	6.35	3.69
				<i>For Work In Restricted Working Space, Add</i> 1.65		
22 13 16 00-0516	LF			2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe 7.71	7.71	4.40
				<i>For Work In Restricted Working Space, Add</i> 1.98		
22 13 16 00-0517	LF			3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe 11.71	11.71	6.33
				<i>For Work In Restricted Working Space, Add</i> 2.84		
22 13 16 00-0518	LF			4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe 13.44	13.44	6.86
				<i>For Work In Restricted Working Space, Add</i> 3.08		
22 13 16 00-0519	LF			6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe 18.07	18.07	8.30
				<i>For Work In Restricted Working Space, Add</i> 3.73		
22 13 16 00-0520	LF			8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe 25.17	25.17	11.04
				<i>For Work In Restricted Working Space, Add</i> 4.98		
22 13 16 00-0521	LF			10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe 35.27	35.27	14.76
				<i>For Work In Restricted Working Space, Add</i> 6.64		
22 13 16 00-0522				Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe (ASTM F-891) (22 13 16 00-0513) Note: Excludes fittings or hangers.		
22 13 16 00-0523	LF			1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe 6.09	6.09	3.69
				<i>For Work In Restricted Working Space, Add</i> 1.65		
22 13 16 00-0524	LF			2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe 7.40	7.40	4.40
				<i>For Work In Restricted Working Space, Add</i> 1.98		
22 13 16 00-0525	LF			3" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe 11.13	11.13	6.33
				<i>For Work In Restricted Working Space, Add</i> 2.84		
22 13 16 00-0526	LF			4" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe 12.67	12.67	6.86
				<i>For Work In Restricted Working Space, Add</i> 3.08		
22 13 16 00-0527	LF			6" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe 16.64	16.64	8.30
				<i>For Work In Restricted Working Space, Add</i> 3.73		
22 13 16 00-0528	LF			8" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe 23.16	23.16	11.04
				<i>For Work In Restricted Working Space, Add</i> 4.98		
22 13 16 00-0529	LF			10" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe 33.08	33.08	14.76
				<i>For Work In Restricted Working Space, Add</i> 6.64		
22 13 16 00-0530				Polyvinyl Chloride (PVC) DWV Fittings (ASTM D-2665) (22 13 16 00-0504)		
22 13 16 00-0531				Polyvinyl Chloride (PVC) DWV 1/4 Bends (22 13 16 00-0530)		
22 13 16 00-0532	EA			1-1/2" Polyvinyl Chloride (PVC) DWV 1/4 Bends 23.27	23.27	14.69
				<i>For Work In Restricted Working Space, Add</i> 6.60		
22 13 16 00-0533	EA			2" Polyvinyl Chloride (PVC) DWV 1/4 Bends 29.77	29.77	18.74
				<i>For Work In Restricted Working Space, Add</i> 8.44		

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0534	EA		3" Polyvinyl Chloride (PVC) DWV 1/4 Bends.....	42.88	25.15
			<i>For Work In Restricted Working Space, Add</i>	11.35	
22 13 16 00-0535	EA		4" Polyvinyl Chloride (PVC) DWV 1/4 Bends.....	54.71	29.29
			<i>For Work In Restricted Working Space, Add</i>	13.19	
22 13 16 00-0536	EA		6" Polyvinyl Chloride (PVC) DWV 1/4 Bends.....	122.46	38.08
			<i>For Work In Restricted Working Space, Add</i>	17.15	
22 13 16 00-0537	EA		8" Polyvinyl Chloride (PVC) DWV 1/4 Bends.....	188.80	51.28
			<i>For Work In Restricted Working Space, Add</i>	23.09	
22 13 16 00-0538	EA		10" Polyvinyl Chloride (PVC) DWV 1/4 Bends.....	250.06	68.34
			<i>For Work In Restricted Working Space, Add</i>	30.78	
22 13 16 00-0539			Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends (22 13 16 00-0530)		
22 13 16 00-0540	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends.....	26.87	14.69
			<i>For Work In Restricted Working Space, Add</i>	6.60	
22 13 16 00-0541	EA		2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends.....	31.84	18.74
			<i>For Work In Restricted Working Space, Add</i>	8.44	
22 13 16 00-0542	EA		3" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends.....	48.20	25.15
			<i>For Work In Restricted Working Space, Add</i>	11.35	
22 13 16 00-0543	EA		4" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends.....	64.48	29.29
			<i>For Work In Restricted Working Space, Add</i>	13.19	
22 13 16 00-0544	EA		6" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends.....	103.59	38.08
			<i>For Work In Restricted Working Space, Add</i>	17.15	
22 13 16 00-0545	EA		8" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends.....	164.00	51.28
			<i>For Work In Restricted Working Space, Add</i>	23.09	
22 13 16 00-0546	EA		10" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends.....	249.61	68.34
			<i>For Work In Restricted Working Space, Add</i>	30.78	
22 13 16 00-0547			Polyvinyl Chloride (PVC) DWV 1/8 Bends (22 13 16 00-0530)		
22 13 16 00-0548	EA		1-1/2" Polyvinyl Chloride (PVC) DWV 1/8 Bends.....	23.57	14.69
			<i>For Work In Restricted Working Space, Add</i>	6.60	
22 13 16 00-0549	EA		2" Polyvinyl Chloride (PVC) DWV 1/8 Bends.....	29.74	18.74
			<i>For Work In Restricted Working Space, Add</i>	8.44	
22 13 16 00-0550	EA		3" Polyvinyl Chloride (PVC) DWV 1/8 Bends.....	42.43	25.15
			<i>For Work In Restricted Working Space, Add</i>	11.35	
22 13 16 00-0551	EA		4" Polyvinyl Chloride (PVC) DWV 1/8 Bends.....	52.54	29.29
			<i>For Work In Restricted Working Space, Add</i>	13.19	
22 13 16 00-0552	EA		6" Polyvinyl Chloride (PVC) DWV 1/8 Bends.....	116.94	38.08
			<i>For Work In Restricted Working Space, Add</i>	17.15	
22 13 16 00-0553	EA		8" Polyvinyl Chloride (PVC) DWV 1/8 Bends.....	175.96	51.28
			<i>For Work In Restricted Working Space, Add</i>	23.09	
22 13 16 00-0554	EA		10" Polyvinyl Chloride (PVC) DWV 1/8 Bends.....	212.28	68.34
			<i>For Work In Restricted Working Space, Add</i>	30.78	
22 13 16 00-0555			Polyvinyl Chloride (PVC) DWV Sanitary Tees (22 13 16 00-0530)		
22 13 16 00-0556	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Sanitary Tees.....	35.27	21.99
			<i>For Work In Restricted Working Space, Add</i>	9.89	
22 13 16 00-0557	EA		2" Polyvinyl Chloride (PVC) DWV Sanitary Tees.....	45.50	28.14
			<i>For Work In Restricted Working Space, Add</i>	12.67	
22 13 16 00-0558	EA		3" Polyvinyl Chloride (PVC) DWV Sanitary Tees.....	65.46	37.82
			<i>For Work In Restricted Working Space, Add</i>	17.02	
22 13 16 00-0559	EA		4" Polyvinyl Chloride (PVC) DWV Sanitary Tees.....	82.62	43.98
			<i>For Work In Restricted Working Space, Add</i>	19.79	
22 13 16 00-0560	EA		6" Polyvinyl Chloride (PVC) DWV Sanitary Tees.....	182.60	57.08
			<i>For Work In Restricted Working Space, Add</i>	25.73	
22 13 16 00-0561	EA		8" Polyvinyl Chloride (PVC) DWV Sanitary Tees.....	240.63	76.87
			<i>For Work In Restricted Working Space, Add</i>	34.63	
22 13 16 00-0562			Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees (22 13 16 00-0530)		
22 13 16 00-0563	EA		2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	40.20	24.01
			<i>For Work In Restricted Working Space, Add</i>	10.82	
22 13 16 00-0564	EA		2" x 1-1/2" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	44.86	26.04
			<i>For Work In Restricted Working Space, Add</i>	11.74	
22 13 16 00-0565	EA		2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	42.42	26.04
			<i>For Work In Restricted Working Space, Add</i>	11.74	
22 13 16 00-0566	EA		3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	55.50	32.54
			<i>For Work In Restricted Working Space, Add</i>	14.65	
22 13 16 00-0567	EA		3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	58.26	34.56
			<i>For Work In Restricted Working Space, Add</i>	15.57	
22 13 16 00-0568	EA		4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	63.96	36.59
			<i>For Work In Restricted Working Space, Add</i>	16.49	
22 13 16 00-0569	EA		4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	80.63	38.70
			<i>For Work In Restricted Working Space, Add</i>	17.42	
22 13 16 00-0570	EA		4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	93.57	41.87
			<i>For Work In Restricted Working Space, Add</i>	18.87	
22 13 16 00-0571	EA		6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	172.83	52.68
			<i>For Work In Restricted Working Space, Add</i>	23.75	
22 13 16 00-0572	EA		8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	424.96	65.88
			<i>For Work In Restricted Working Space, Add</i>	29.69	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0573	EA			8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	442.07 31.67	70.28
22 13 16 00-0574				Polyvinyl Chloride (PVC) DWV Double Sanitary Tees (22 13 16 00-0530)		
22 13 16 00-0575	EA			1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	50.89 13.19	29.29
22 13 16 00-0576	EA			2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	66.41 16.89	37.47
22 13 16 00-0577	EA			3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	104.01 22.69	50.40
22 13 16 00-0578	EA			4" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	133.57 26.39	58.58
22 13 16 00-0579				Polyvinyl Chloride (PVC) DWV Reducing Double Sanitary Tees (22 13 16 00-0530)		
22 13 16 00-0580	EA			2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	59.28 15.04	33.43
22 13 16 00-0581	EA			3" x 3" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	81.28 17.94	39.84
22 13 16 00-0582	EA			3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	91.41 19.79	43.98
22 13 16 00-0583	EA			4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	128.15 21.64	48.03
22 13 16 00-0584	EA			4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	139.36 24.54	54.44
22 13 16 00-0585				Polyvinyl Chloride (PVC) DWV Reducers (22 13 16 00-0530)		
22 13 16 00-0586	EA			2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	27.63 7.52	16.71
22 13 16 00-0587	EA			3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	38.09 8.97	19.88
22 13 16 00-0588	EA			3" x 2" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	39.84 9.89	21.99
22 13 16 00-0589	EA			4" x 2" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	49.63 10.82	24.01
22 13 16 00-0590	EA			4" x 3" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	55.08 12.27	27.27
22 13 16 00-0591	EA			6" x 3" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	119.15 14.25	31.66
22 13 16 00-0592	EA			6" x 4" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	108.11 15.17	33.69
22 13 16 00-0593	EA			8" x 4" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	218.37 18.14	40.29
22 13 16 00-0594	EA			8" x 6" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	196.99 20.12	44.68
22 13 16 00-0595	EA			10" x 6" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	256.72 23.97	53.22
22 13 16 00-0596	EA			10" x 8" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	222.45 26.94	59.81
22 13 16 00-0597				Polyvinyl Chloride (PVC) DWV P-Traps (22 13 16 00-0530)		
22 13 16 00-0598	EA			1-1/2" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	37.47 9.89	21.99
22 13 16 00-0599	EA			2" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	48.34 12.67	28.14
22 13 16 00-0600	EA			3" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	87.19 17.02	37.82
22 13 16 00-0601	EA			4" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	138.51 19.79	43.98
22 13 16 00-0602	EA			6" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	214.02 25.73	57.08
22 13 16 00-0603				Polyvinyl Chloride (PVC) DWV Closet Flanges (22 13 16 00-0530)		
22 13 16 00-0604	EA			4" Polyvinyl Chloride (PVC) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	52.59 13.19	29.29
22 13 16 00-0605	EA			4" x 3" Polyvinyl Chloride (PVC) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	46.92 12.27	27.27
22 13 16 00-0606				Polyvinyl Chloride (PVC) DWV Wyes (22 13 16 00-0530)		
22 13 16 00-0607	EA			1-1/2" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	37.57 9.89	21.99
22 13 16 00-0608	EA			2" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	46.83 12.67	28.14
22 13 16 00-0609	EA			3" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	67.16 17.02	37.82
22 13 16 00-0610	EA			4" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	85.41 19.79	43.98



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0611	EA		6" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	172.14 25.73	57.08
22 13 16 00-0612	EA		8" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	220.77 34.63	76.87
22 13 16 00-0613	EA		10" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	292.13 46.18	102.47
22 13 16 00-0614			Polyvinyl Chloride (PVC) DWV Reducing Wyes (22 13 16 00-0530)		
22 13 16 00-0615	EA		2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	44.25 10.82	24.01
22 13 16 00-0616	EA		2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	47.26 11.74	26.04
22 13 16 00-0617	EA		3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	61.57 14.65	32.54
22 13 16 00-0618	EA		3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	59.97 15.57	34.56
22 13 16 00-0619	EA		4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	75.22 16.49	36.59
22 13 16 00-0620	EA		4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	73.67 17.42	38.70
22 13 16 00-0621	EA		4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	81.12 18.87	41.87
22 13 16 00-0622	EA		6" x 6" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	154.45 22.83	50.66
22 13 16 00-0623	EA		6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	179.40 23.75	52.68
22 13 16 00-0624	EA		8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	189.22 29.69	65.88
22 13 16 00-0625	EA		8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	223.67 31.67	70.28
22 13 16 00-0626	EA		10" x 10" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	226.31 37.38	82.94
22 13 16 00-0627	EA		10" x 10" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	263.16 39.36	87.35
22 13 16 00-0628	EA		10" x 10" x 8" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	297.21 42.33	93.94
22 13 16 00-0629			Polyvinyl Chloride (PVC) DWV Double Wyes (22 13 16 00-0530)		
22 13 16 00-0630	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	53.75 13.19	29.29
22 13 16 00-0631	EA		2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	68.85 16.89	37.47
22 13 16 00-0632	EA		3" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	108.08 22.69	50.40
22 13 16 00-0633	EA		4" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	153.72 26.39	58.58
22 13 16 00-0634	EA		6" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	263.27 34.30	76.17
22 13 16 00-0635	EA		8" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	322.01 46.18	102.56
22 13 16 00-0636	EA		10" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	473.05 61.57	136.69
22 13 16 00-0637			Polyvinyl Chloride (PVC) DWV Reducing Double Wyes (22 13 16 00-0530)		
22 13 16 00-0638	EA		2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	61.61 15.04	33.43
22 13 16 00-0639	EA		3" x 3" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	88.27 17.94	39.84
22 13 16 00-0640	EA		3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	90.12 19.79	43.98
22 13 16 00-0641	EA		4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	111.54 21.64	48.03
22 13 16 00-0642	EA		4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	133.87 24.54	54.44
22 13 16 00-0643	EA		6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	186.67 30.35	67.37
22 13 16 00-0644	EA		8" x 8" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	220.52 36.28	80.57
22 13 16 00-0645	EA		8" x 8" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	265.05 40.24	89.37
22 13 16 00-0646	EA		10" x 10" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	283.89 43.98	97.63
22 13 16 00-0647	EA		10" x 10" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	344.49 47.93	106.42
22 13 16 00-0648	EA		10" x 10" x 8" x 8" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	405.83 53.87	119.62
22 13 16 00-0649			Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends (22 13 16 00-0530)		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0650	EA			1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	40.43 9.89	21.99
22 13 16 00-0651	EA			2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	51.30 12.67	28.14
22 13 16 00-0652	EA			3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	80.58 17.02	37.82
22 13 16 00-0653	EA			4" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	115.50 19.79	43.98
22 13 16 00-0654				Polyvinyl Chloride (PVC) DWV Reducing Combination Wye And 1/8 Bends <small>(22 13 16 00-0650)</small>		
22 13 16 00-0655	EA			2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	57.94 11.74	26.04
22 13 16 00-0656	EA			3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	81.47 14.65	32.54
22 13 16 00-0657	EA			3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	72.31 15.57	34.56
22 13 16 00-0658	EA			4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	103.46 17.42	38.70
22 13 16 00-0659	EA			4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	112.07 18.87	41.87
22 13 16 00-0660				Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <small>(22 13 16 00-0650)</small>		
22 13 16 00-0661	EA			1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	55.97 13.19	29.29
22 13 16 00-0662	EA			2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	69.10 16.89	37.47
22 13 16 00-0663	EA			3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	97.89 22.69	50.40
22 13 16 00-0664	EA			4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	205.17 26.39	58.58
22 13 16 00-0665	EA			6" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	539.88 34.30	76.17
22 13 16 00-0666				Polyvinyl Chloride (PVC) DWV Reducing Double Combination Wye And 1/8 Bends <small>(22 13 16 00-0650)</small>		
22 13 16 00-0667	EA			2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	89.36 15.04	33.43
22 13 16 00-0668	EA			3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	132.42 19.79	43.98
22 13 16 00-0669	EA			4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	195.97 21.64	48.03
22 13 16 00-0670	EA			4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	190.19 24.54	54.44
22 13 16 00-0671	EA			6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	379.15 30.35	67.37
22 13 16 00-0672				Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <small>(22 13 16 00-0650)</small>		
22 13 16 00-0673	EA			2" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	64.05 12.67	28.14
22 13 16 00-0674	EA			3" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	98.44 17.02	37.82
22 13 16 00-0675	EA			4" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	138.52 19.79	43.98
22 13 16 00-0676	EA			6" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	296.58 25.73	57.08
22 13 16 00-0677	EA			8" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	377.93 34.63	76.87
22 13 16 00-0678	EA			10" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	502.09 46.18	102.47
22 13 16 00-0679				Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <small>(22 13 16 00-0650)</small>		
22 13 16 00-0680	EA			1-1/2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	25.76 6.60	14.69
22 13 16 00-0681	EA			2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	34.23 8.44	18.74
22 13 16 00-0682	EA			3" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	47.19 11.35	25.15
22 13 16 00-0683	EA			4" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	66.01 13.19	29.29
22 13 16 00-0684	EA			6" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	117.63 17.15	38.08
22 13 16 00-0685	EA			8" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	224.38 23.09	51.28
22 13 16 00-0686	EA			10" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	383.00 30.77	68.34



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 13 16 00-0687	Polyvinyl Chloride (PVC) Couplings (22 13 16 00-0530)		
22 13 16 00-0688	EA 1-1/2" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	23.11 6.60	14.69
22 13 16 00-0689	EA 2" Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	29.40 8.44	18.74
22 13 16 00-0690	EA 3" Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	41.04 11.35	25.15
22 13 16 00-0691	EA 4" Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	49.26 13.19	29.29
22 13 16 00-0692	EA 6" Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	86.33 17.15	38.08
22 13 16 00-0693	EA 8" Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	161.19 23.09	51.28
22 13 16 00-0694	EA 10" Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	233.15 30.79	68.34
22 13 16 00-0695	Polyvinyl Chloride (PVC) Male Adapters (22 13 16 00-0530)		
22 13 16 00-0696	EA 1-1/2" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	12.13 3.30	7.30
22 13 16 00-0697	EA 2" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	16.86 4.22	9.41
22 13 16 00-0698	EA 3" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	26.63 5.67	12.58
22 13 16 00-0699	EA 4" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	39.69 6.60	14.69
22 13 16 00-0700	Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe (22 13 16 00-0504)		
	Note: In place piping.		
22 13 16 00-0701	EA 1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	6.45	
22 13 16 00-0702	EA 2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	7.10	
22 13 16 00-0703	EA 3", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	9.03	
22 13 16 00-0704	EA 4", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	12.18	
22 13 16 00-0705	EA 6", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	17.41	
22 13 16 00-0706	EA 8", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	23.22	
22 13 16 00-0707	EA 10", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	28.38	
22 13 16 00-0708	Acrylonitrile Butadiene Styrene (ABS) Drain-Waste-Vent (DWV) Pipe And Fittings (22 13 16)		
	Note: Aboveground installation.		
22 13 16 00-0709	Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assemblies (22 13 16 00-0708)		
	Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
22 13 16 00-0710	LF 1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	18.68	3.69
	<i>For Work In Restricted Working Space, Add</i>	5.06	
22 13 16 00-0711	LF 2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	20.71	4.40
	<i>For Work In Restricted Working Space, Add</i>	5.60	
22 13 16 00-0712	LF 3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	26.89	6.33
	<i>For Work In Restricted Working Space, Add</i>	6.96	
22 13 16 00-0713	LF 4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	30.41	6.86
	<i>For Work In Restricted Working Space, Add</i>	7.73	
22 13 16 00-0714	LF 6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	45.45	8.79
	<i>For Work In Restricted Working Space, Add</i>	10.28	
22 13 16 00-0715	Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe (ASTM F-628) (22 13 16 00-0708)		
	Note: Excludes fittings or hangers.		
22 13 16 00-0716	LF 1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	6.49 1.65	3.69
22 13 16 00-0717	LF 2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	7.93 1.98	4.40
22 13 16 00-0718	LF 3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	12.24 2.84	6.33
22 13 16 00-0719	LF 4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	14.23 3.08	6.86
22 13 16 00-0720	LF 6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	20.52 3.73	8.30



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0721				Acrylonitrile Butadiene Styrene (ABS) DWV Fittings (ASTM D-2661) <small>(22 13 16 00-0708)</small>		
22 13 16 00-0722				Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <small>(22 13 16 00-0721)</small>		
22 13 16 00-0723	EA			1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends 26.24		14.69
				<i>For Work In Restricted Working Space, Add</i> 6.60		
22 13 16 00-0724	EA			2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... 34.20		18.74
				<i>For Work In Restricted Working Space, Add</i> 8.44		
22 13 16 00-0725	EA			3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... 56.53		25.15
				<i>For Work In Restricted Working Space, Add</i> 11.35		
22 13 16 00-0726	EA			4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... 80.65		29.29
				<i>For Work In Restricted Working Space, Add</i> 13.19		
22 13 16 00-0727	EA			6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... 194.02		38.08
				<i>For Work In Restricted Working Space, Add</i> 17.15		
22 13 16 00-0728				Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <small>(22 13 16 00-0721)</small>		
22 13 16 00-0729	EA			1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... 32.12		14.69
				<i>For Work In Restricted Working Space, Add</i> 6.60		
22 13 16 00-0730	EA			2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... 39.95		18.74
				<i>For Work In Restricted Working Space, Add</i> 8.44		
22 13 16 00-0731	EA			3" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... 70.80		25.15
				<i>For Work In Restricted Working Space, Add</i> 11.35		
22 13 16 00-0732	EA			4" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... 109.03		29.29
				<i>For Work In Restricted Working Space, Add</i> 13.19		
22 13 16 00-0733				Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <small>(22 13 16 00-0721)</small>		
22 13 16 00-0734	EA			1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends 27.04		14.69
				<i>For Work In Restricted Working Space, Add</i> 6.60		
22 13 16 00-0735	EA			2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... 33.65		18.74
				<i>For Work In Restricted Working Space, Add</i> 8.44		
22 13 16 00-0736	EA			3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... 53.61		25.15
				<i>For Work In Restricted Working Space, Add</i> 11.35		
22 13 16 00-0737	EA			4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... 75.25		29.29
				<i>For Work In Restricted Working Space, Add</i> 13.19		
22 13 16 00-0738	EA			6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... 199.72		38.08
				<i>For Work In Restricted Working Space, Add</i> 17.15		
22 13 16 00-0739				Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <small>(22 13 16 00-0721)</small>		
22 13 16 00-0740	EA			1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees 40.22		21.99
				<i>For Work In Restricted Working Space, Add</i> 9.89		
22 13 16 00-0741	EA			2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... 53.10		28.14
				<i>For Work In Restricted Working Space, Add</i> 12.67		
22 13 16 00-0742	EA			3" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... 84.46		37.82
				<i>For Work In Restricted Working Space, Add</i> 17.02		
22 13 16 00-0743	EA			4" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... 119.25		43.98
				<i>For Work In Restricted Working Space, Add</i> 19.79		
22 13 16 00-0744	EA			6" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... 374.55		57.08
				<i>For Work In Restricted Working Space, Add</i> 25.73		
22 13 16 00-0745				Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <small>(22 13 16 00-0721)</small>		
22 13 16 00-0746	EA			2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees 47.60		24.01
				<i>For Work In Restricted Working Space, Add</i> 10.82		
22 13 16 00-0747	EA			2" x 1-1/2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees 55.35		26.04
				<i>For Work In Restricted Working Space, Add</i> 11.74		
22 13 16 00-0748	EA			2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees 49.57		26.04
				<i>For Work In Restricted Working Space, Add</i> 11.74		
22 13 16 00-0749	EA			3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees 70.00		32.54
				<i>For Work In Restricted Working Space, Add</i> 14.65		
22 13 16 00-0750	EA			3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... 73.27		34.56
				<i>For Work In Restricted Working Space, Add</i> 15.57		
22 13 16 00-0751	EA			4" x 4" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees 131.77		36.59
				<i>For Work In Restricted Working Space, Add</i> 16.49		
22 13 16 00-0752	EA			4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... 129.74		38.70
				<i>For Work In Restricted Working Space, Add</i> 17.42		
22 13 16 00-0753	EA			4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... 146.95		41.87
				<i>For Work In Restricted Working Space, Add</i> 18.87		
22 13 16 00-0754	EA			6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... 402.05		52.68
				<i>For Work In Restricted Working Space, Add</i> 23.75		
22 13 16 00-0755				Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <small>(22 13 16 00-0721)</small>		
22 13 16 00-0756	EA			1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees 65.97		29.29
				<i>For Work In Restricted Working Space, Add</i> 13.19		
22 13 16 00-0757	EA			2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees 88.39		37.47
				<i>For Work In Restricted Working Space, Add</i> 16.89		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0758	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	165.78 22.69	50.40
22 13 16 00-0759	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	232.43 26.39	58.58
22 13 16 00-0760			Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Sanitary Tees <small>(22 13 16 00-0721)</small>		
22 13 16 00-0761	EA		2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	75.09 15.04	33.43
22 13 16 00-0762	EA		3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	105.75 17.94	39.84
22 13 16 00-0763	EA		3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	120.32 19.79	43.98
22 13 16 00-0764	EA		4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	187.75 20.41	45.30
22 13 16 00-0765	EA		4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	200.18 23.15	51.36
22 13 16 00-0766			Acrylonitrile Butadiene Styrene (ABS) DWV Wyes <small>(22 13 16 00-0721)</small>		
22 13 16 00-0767	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	47.56 9.89	21.99
22 13 16 00-0768	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	57.19 12.67	28.14
22 13 16 00-0769	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	89.85 17.02	37.82
22 13 16 00-0770	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	127.68 19.79	43.98
22 13 16 00-0771	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	312.20 25.73	57.08
22 13 16 00-0772			Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes <small>(22 13 16 00-0721)</small>		
22 13 16 00-0773	EA		2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	62.07 10.82	24.01
22 13 16 00-0774	EA		2" x 2" X 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	64.88 11.74	26.04
22 13 16 00-0775	EA		3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	77.64 15.57	34.56
22 13 16 00-0776	EA		4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	107.64 17.42	38.70
22 13 16 00-0777	EA		4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	120.82 18.87	41.87
22 13 16 00-0778	EA		6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	266.25 23.75	52.68
22 13 16 00-0779			Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <small>(22 13 16 00-0721)</small>		
22 13 16 00-0780	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	74.98 13.19	29.29
22 13 16 00-0781	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	96.18 16.89	37.47
22 13 16 00-0782	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	178.73 22.69	50.40
22 13 16 00-0783	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	296.79 26.39	58.58
22 13 16 00-0784			Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Wyes <small>(22 13 16 00-0721)</small>		
22 13 16 00-0785	EA		2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	86.56 15.04	33.43
22 13 16 00-0786	EA		3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	132.52 17.94	39.84
22 13 16 00-0787	EA		3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	142.50 19.79	43.98
22 13 16 00-0788	EA		4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	197.32 21.64	48.03
22 13 16 00-0789	EA		4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	247.18 24.54	54.44
22 13 16 00-0790			Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bend <small>(22 13 16 00-0721)</small>		
22 13 16 00-0791	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	56.26 9.89	21.99
22 13 16 00-0792	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	72.48 12.67	28.14
22 13 16 00-0793	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	106.59 17.02	37.82



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22 13 16 00-0794	EA			4" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	160.10 18.67	41.48
22 13 16 00-0795				Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Combination Wye And 1/8 Bend <small>(22 13 16 00-0721)</small>		
22 13 16 00-0796	EA			2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	63.64 11.74	26.04
22 13 16 00-0797	EA			3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	106.84 14.65	32.54
22 13 16 00-0798	EA			3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	88.16 15.57	34.56
22 13 16 00-0799	EA			4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	138.83 17.42	38.70
22 13 16 00-0800	EA			4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	150.35 18.87	41.87
22 13 16 00-0801				Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bend <small>(22 13 16 00-0721)</small>		
22 13 16 00-0802	EA			2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	111.08 16.89	37.47
22 13 16 00-0803	EA			3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	201.98 22.69	50.40
22 13 16 00-0804				Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Combination Wye And 1/8 Bend <small>(22 13 16 00-0721)</small>		
22 13 16 00-0805	EA			2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	94.22 15.04	33.43
22 13 16 00-0806	EA			3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	190.16 19.79	43.98
22 13 16 00-0807				Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <small>(22 13 16 00-0721)</small>		
22 13 16 00-0808	EA			1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	60.37 9.89	21.99
22 13 16 00-0809	EA			2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	76.58 12.67	28.14
22 13 16 00-0810	EA			3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	115.75 17.02	37.82
22 13 16 00-0811	EA			4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	176.30 19.79	43.98
22 13 16 00-0812				Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <small>(22 13 16 00-0721)</small>		
22 13 16 00-0813	EA			1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	31.38 6.60	14.69
22 13 16 00-0814	EA			2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	43.29 8.44	18.74
22 13 16 00-0815	EA			3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	61.10 11.35	25.15
22 13 16 00-0816	EA			4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	98.79 13.19	29.29
22 13 16 00-0817	EA			6" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	207.66 17.15	38.08
22 13 16 00-0818				Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <small>(22 13 16 00-0721)</small>		
22 13 16 00-0819	EA			1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	25.23 6.60	14.69
22 13 16 00-0820	EA			2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	31.55 8.44	18.74
22 13 16 00-0821	EA			3" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	47.10 11.35	25.15
22 13 16 00-0822	EA			4" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	59.28 13.19	29.29
22 13 16 00-0823	EA			6" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	132.80 17.15	38.08
22 13 16 00-0824				Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <small>(22 13 16 00-0721)</small>		
22 13 16 00-0825	EA			2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	33.26 7.52	16.71
22 13 16 00-0826	EA			3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	55.91 8.97	19.88
22 13 16 00-0827	EA			3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	54.79 9.89	21.99
22 13 16 00-0828	EA			4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	79.07 10.82	24.01



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22 13 16 00-0829 EA 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	85.90 12.27	27.27
22 13 16 00-0830 Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps (22 13 16 00-0721)		
22 13 16 00-0831 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	48.88 9.89	21.99
22 13 16 00-0832 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	67.96 12.67	28.14
22 13 16 00-0833 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	174.63 17.02	37.82
22 13 16 00-0834 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	307.52 19.79	43.98
22 13 16 00-0835 Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges (22 13 16 00-0721)		
22 13 16 00-0836 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	66.19 13.19	29.29
22 13 16 00-0837 EA 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	61.73 12.27	27.27
22 13 16 00-0838 Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters (22 13 16 00-0721)		
22 13 16 00-0839 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters <i>For Work In Restricted Working Space, Add</i>	15.13 3.30	7.30
22 13 16 00-0840 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters <i>For Work In Restricted Working Space, Add</i>	21.40 4.22	9.41
22 13 16 00-0841 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters <i>For Work In Restricted Working Space, Add</i>	40.23 5.67	12.58
22 13 16 00-0842 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters <i>For Work In Restricted Working Space, Add</i>	69.16 6.60	14.69
22 13 16 00-0843 Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushings (22 13 16 00-0721)		
22 13 16 00-0844 EA 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	28.47 7.52	16.71
22 13 16 00-0845 EA 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	48.30 8.97	19.88
22 13 16 00-0846 EA 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	44.67 9.89	21.99
22 13 16 00-0847 EA 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	78.48 10.82	24.01
22 13 16 00-0848 EA 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	65.48 12.27	27.27
22 13 16 00-0849 EA 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	144.10 14.31	31.77
22 13 16 00-0850 Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Couplings (22 13 16 00-0721)		
22 13 16 00-0851 EA 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	40.49 6.60	14.69
22 13 16 00-0852 EA 2" x 2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	47.87 8.44	18.74
22 13 16 00-0853 EA 3" x 3" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	58.79 11.35	25.15
22 13 16 00-0854 EA 4" x 4" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	66.18 13.19	29.29
22 13 16 00-0855 Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe (22 13 16 00-0708) Note: In place piping.		
22 13 16 00-0856 EA 1-1/2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	6.45	
22 13 16 00-0857 EA 2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	7.10	
22 13 16 00-0858 EA 3", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	9.03	
22 13 16 00-0859 EA 4", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	12.18	
22 13 16 00-0860 EA 6", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	17.41	
22 13 16 00-0861 Elastomeric Flexible Pipe Couplings (22 13 16)		
22 13 16 00-0862 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Couplings (22 13 16 00-0861) Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.		
22 13 16 00-0863 EA 1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-125) <i>For Work In Restricted Working Space, Add</i>	12.44 2.29	3.82
22 13 16 00-0864 EA 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150) <i>For Work In Restricted Working Space, Add</i>	13.45 2.44	4.06
22 13 16 00-0865 EA 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22) <i>For Work In Restricted Working Space, Add</i>	14.12 2.58	4.30



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0866	EA			3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33) <i>For Work In Restricted Working Space, Add</i>	16.54 2.72	4.54
22 13 16 00-0867	EA			4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44) <i>For Work In Restricted Working Space, Add</i>	18.89 2.87	4.78
22 13 16 00-0868	EA			5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55) <i>For Work In Restricted Working Space, Add</i>	24.67 3.01	5.02
22 13 16 00-0869	EA			6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66) <i>For Work In Restricted Working Space, Add</i>	30.48 3.15	5.26
22 13 16 00-0870	EA			8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88) <i>For Work In Restricted Working Space, Add</i>	42.19 3.44	5.73
22 13 16 00-0871	EA			10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010) <i>For Work In Restricted Working Space, Add</i>	56.09 4.01	6.69
22 13 16 00-0872				Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Couplings <small>(22 13 16 00-0861)</small> Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.		
22 13 16 00-0873	EA			1-1/2" x 1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-150/125) <i>For Work In Restricted Working Space, Add</i>	13.26 2.44	4.06
22 13 16 00-0874	EA			2" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-215) <i>For Work In Restricted Working Space, Add</i>	14.43 2.58	4.30
22 13 16 00-0875	EA			3" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-315) <i>For Work In Restricted Working Space, Add</i>	18.08 2.72	4.54
22 13 16 00-0876	EA			3" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-32) <i>For Work In Restricted Working Space, Add</i>	15.98 2.72	4.54
22 13 16 00-0877	EA			4" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-415) <i>For Work In Restricted Working Space, Add</i>	22.68 2.87	4.78
22 13 16 00-0878	EA			4" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-42) <i>For Work In Restricted Working Space, Add</i>	21.61 2.87	4.78
22 13 16 00-0879	EA			4" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-43) <i>For Work In Restricted Working Space, Add</i>	19.61 2.87	4.78
22 13 16 00-0880	EA			5" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-53) <i>For Work In Restricted Working Space, Add</i>	29.36 3.01	5.02
22 13 16 00-0881	EA			5" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-54) <i>For Work In Restricted Working Space, Add</i>	26.31 3.01	5.02
22 13 16 00-0882	EA			6" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-63) <i>For Work In Restricted Working Space, Add</i>	36.79 3.15	5.26
22 13 16 00-0883	EA			6" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-64) <i>For Work In Restricted Working Space, Add</i>	32.22 3.15	5.26
22 13 16 00-0884	EA			6" x 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-65) <i>For Work In Restricted Working Space, Add</i>	33.49 3.15	5.26
22 13 16 00-0885	EA			8" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-84) <i>For Work In Restricted Working Space, Add</i>	66.13 5.73	9.55
22 13 16 00-0886	EA			8" x 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-86) <i>For Work In Restricted Working Space, Add</i>	53.46 5.73	9.55
22 13 16 00-0887	EA			10" x 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-10-8) <i>For Work In Restricted Working Space, Add</i>	68.27 6.45	10.75
22 13 16 00-0888				Elastomeric Flexible Pipe Caps <small>(22 13 16)</small> Note: For cast iron, steel, copper or plastic pipe. Includes stainless steel clamp. Fernco QC.		
22 13 16 00-0889	EA			1-1/2" Elastomeric Flexible Pipe Cap (Fernco QC-101).....	43.31	25.80
22 13 16 00-0890	EA			2" Elastomeric Flexible Pipe Cap (Fernco QC-102).....	46.58	27.43
22 13 16 00-0891	EA			3" Elastomeric Flexible Pipe Cap (Fernco QC-103).....	54.08	31.44
22 13 16 00-0892	EA			4" Elastomeric Flexible Pipe Cap (Fernco QC-104).....	71.29	41.57
22 13 16 00-0893	EA			5" Elastomeric Flexible Pipe Cap (Fernco QC-105).....	85.54	49.70
22 13 16 00-0894	EA			6" Elastomeric Flexible Pipe Cap (Fernco QC-106).....	98.27	57.34
22 13 16 00-0895	EA			8" Elastomeric Flexible Pipe Cap (Fernco QC-108).....	133.74	72.63
22 13 16 00-0896	EA			10" Elastomeric Flexible Pipe Cap (Fernco QC-110).....	167.85	81.23
22 13 16 00-0897	EA			12" Elastomeric Flexible Pipe Cap (Fernco QC-112).....	218.08	90.30
22 13 16 00-0898				Cast Iron Vent Stack Flashing Sleeves With Caulking Recess <small>(22 13 16)</small> Note: Josam 26450 Series.		
22 13 16 00-0899	EA			1-1/2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	84.45	19.79
22 13 16 00-0900	EA			2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	88.85	21.99
22 13 16 00-0901	EA			3" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	134.09	28.59
22 13 16 00-0902	EA			4" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	157.32	32.98
22 13 16 00-0903	EA			5" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	183.73	37.38
22 13 16 00-0904	EA			6" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	314.32	41.78
22 13 16 00-0905				Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess <small>(22 13 16)</small> Note: Josam 26440 Series		
22 13 16 00-0906	EA			1-1/2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	147.08	19.79
22 13 16 00-0907	EA			2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	151.48	21.99
22 13 16 00-0908	EA			3" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	180.74	28.59
22 13 16 00-0909	EA			4" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	225.36	32.98
22 13 16 00-0910	EA			5" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	305.82	37.38
22 13 16 00-0911	EA			6" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	314.62	41.78



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 13 16 00-0912	Cast Iron Vandal Proof Hooded Vent Cap <small>(22 13 16)</small>		
	Note: Includes counterflashing collar, deep protective hood and recessed securing screws. Josam 26700 Series.		
22 13 16 00-0913	EA 1-1/2" Cast Iron Vandal Proof Hooded Vent Cap.....	275.99	19.79
22 13 16 00-0914	EA 2" Cast Iron Vandal Proof Hooded Vent Cap.....	280.39	21.99
22 13 16 00-0915	EA 3" Cast Iron Vandal Proof Hooded Vent Cap.....	323.13	28.59
22 13 16 00-0916	EA 4" Cast Iron Vandal Proof Hooded Vent Cap.....	363.95	32.98
22 13 16 00-0917	EA 5" Cast Iron Vandal Proof Hooded Vent Cap.....	424.46	37.38
22 13 16 00-0918	EA 6" Cast Iron Vandal Proof Hooded Vent Cap.....	464.04	41.78

22 13 19 Sanitary Waste Piping Specialties (22 13)

22 13 19 13 Sanitary Drains (22 13 19)

22 13 19 13-0001	Round Top Floor Drains <small>(22 13 19 13)</small>		
22 13 19 13-0002	EA 6" Round Top Floor Drain With 1-1/2" Outlet, Bronze Top.....	613.53	94.55
	For Galvanized Cast Iron Parts, Add	105.00	
	For Sediment Bucket, Add	22.50	
	For Vandal Proof Screws, Add	11.00	
22 13 19 13-0003	EA 6" Round Top Floor Drain With 2" Outlet, Bronze Top.....	674.35	105.99
	For Galvanized Cast Iron Parts, Add	105.00	
	For Sediment Bucket, Add	22.50	
	For Vandal Proof Screws, Add	11.00	
22 13 19 13-0004	EA 6" Round Top Floor Drain With 3" Outlet, Bronze Top.....	659.01	117.25
	For Galvanized Cast Iron Parts, Add	105.00	
	For Sediment Bucket, Add	22.50	
	For Vandal Proof Screws, Add	11.00	
22 13 19 13-0005	EA 6" Round Top Floor Drain With 4" Outlet, Bronze Top.....	683.16	129.38
	For Galvanized Cast Iron Parts, Add	105.00	
	For Sediment Bucket, Add	22.50	
	For Vandal Proof Screws, Add	11.00	
22 13 19 13-0006	EA 9" Round Top Floor Drain With 2" Outlet, Cast Iron Top.....	616.84	105.99
	For Galvanized Cast Iron Parts, Add	87.50	
	For Vandal Proof Screws, Add	30.50	
	For Ductile Iron Grate, Add	48.00	
	For Cast Iron Dome Grate, Add	17.00	
	For Nikaloy Dome Grate, Add	178.50	
	For Bronze Dome Grate, Add	143.00	
	For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
	For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0007	EA 9" Round Top Floor Drain With 3" Outlet, Cast Iron Top.....	639.45	117.25
	For Galvanized Cast Iron Parts, Add	87.50	
	For Vandal Proof Screws, Add	30.50	
	For Ductile Iron Grate, Add	48.00	
	For Cast Iron Dome Grate, Add	17.00	
	For Nikaloy Dome Grate, Add	178.50	
	For Bronze Dome Grate, Add	143.00	
	For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
	For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0008	EA 9" Round Top Floor Drain With 4" Outlet, Cast Iron Top.....	663.60	129.38
	For Galvanized Cast Iron Parts, Add	87.50	
	For Vandal Proof Screws, Add	30.50	
	For Ductile Iron Grate, Add	48.00	
	For Cast Iron Dome Grate, Add	17.00	
	For Nikaloy Dome Grate, Add	178.50	
	For Bronze Dome Grate, Add	143.00	
	For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
	For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0009	EA 9" Round Top Floor Drain With 2" Outlet, Nikaloy Top.....	1,019.79	105.99
	For Galvanized Cast Iron Parts, Add	87.50	
	For Vandal Proof Screws, Add	30.50	
	For Ductile Iron Grate, Add	48.00	
	For Cast Iron Dome Grate, Add	17.00	
	For Nikaloy Dome Grate, Add	178.50	
	For Bronze Dome Grate, Add	143.00	
	For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
	For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0010	EA 9" Round Top Floor Drain With 3" Outlet, Nikaloy Top.....	1,042.40	117.25
	For Galvanized Cast Iron Parts, Add	87.50	
	For Vandal Proof Screws, Add	30.50	
	For Ductile Iron Grate, Add	48.00	
	For Cast Iron Dome Grate, Add	17.00	
	For Nikaloy Dome Grate, Add	178.50	
	For Bronze Dome Grate, Add	143.00	
	For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
	For Galvanized Extension Collar, Each 3", Add	117.50	



Plumbing	22	22
Plumbing Piping	22 10	
Facility Sanitary Sewerage	22 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0011 EA 9" Round Top Floor Drain With 4" Outlet, Nikaloy Top	1,066.55	129.38
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0012 EA 9" Round Top Floor Drain With 2" Outlet, Bronze Top.....	961.11	105.99
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0013 EA 9" Round Top Floor Drain With 3" Outlet, Bronze Top.....	983.60	117.25
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0014 EA 9" Round Top Floor Drain With 4" Outlet, Bronze Top.....	1,007.87	129.38
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0015 EA 12-5/8" Round Top Floor Drain With 2" Outlet, Cast Iron Top	1,054.90	105.90
For Chained Grate, Add	48.50	
For Primer Tap, Add	33.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Bronze Dome Grate, Add	218.50	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0016 EA 12-5/8" Round Top Floor Drain With 3" Outlet, Cast Iron Top	1,077.49	117.25
For Chained Grate, Add	48.50	
For Primer Tap, Add	33.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Bronze Dome Grate, Add	218.50	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0017 EA 12-5/8" Round Top Floor Drain With 4" Outlet, Cast Iron Top	1,101.76	129.38
For Chained Grate, Add	48.50	
For Primer Tap, Add	33.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Bronze Dome Grate, Add	218.50	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0018 EA 12-5/8" Round Top Floor Drain With 2" Outlet, Nikaloy Top	1,657.36	105.90
For Chained Grate, Add	48.50	
For Primer Tap, Add	33.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Bronze Dome Grate, Add	218.50	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0019	EA		12-5/8" Round Top Floor Drain With 3" Outlet, Nikaloy Top	1,679.95	117.25
			<i>For Chained Grate, Add</i>	48.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Bronze Dome Grate, Add</i>	218.50	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
22 13 19 13-0020	EA		12-5/8" Round Top Floor Drain With 4" Outlet, Nikaloy Top	1,704.22	129.38
			<i>For Chained Grate, Add</i>	48.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Bronze Dome Grate, Add</i>	218.50	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
22 13 19 13-0021	EA		12-5/8" Round Top Floor Drain With 2" Outlet, Bronze Top.....	1,577.16	105.90
			<i>For Chained Grate, Add</i>	48.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Bronze Dome Grate, Add</i>	218.50	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
22 13 19 13-0022	EA		12-5/8" Round Top Floor Drain With 3" Outlet, Bronze Top.....	1,599.75	117.25
			<i>For Chained Grate, Add</i>	48.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Bronze Dome Grate, Add</i>	218.50	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
22 13 19 13-0023	EA		12-5/8" Round Top Floor Drain With 4" Outlet, Bronze Top.....	1,624.02	129.38
			<i>For Chained Grate, Add</i>	48.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Bronze Dome Grate, Add</i>	218.50	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
22 13 19 13-0024			Square Or Rectangular Top Drains <small>(22 13 19 13)</small>		
22 13 19 13-0025	EA		5" x 5" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	728.24	105.90
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0026	EA		5" x 5" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	751.08	117.33
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0027	EA		5" x 5" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	775.10	129.38
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0028	EA		6" x 6" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	786.92	105.90
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0029	EA		6" x 6" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	809.76	117.33
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0030	EA		6" x 6" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	833.78	129.38
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0031	EA		8" x 8" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	1,045.12	105.90
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0032	EA		8" x 8" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	1,067.96	117.33
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0033	EA		8" x 8" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	1,091.98	129.38
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0034	EA		5" x 5" Floor Drain With 2" Bottom Outlet, Bronze Top.....	685.20	105.90
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0035	EA		5" x 5" Floor Drain With 3" Bottom Outlet, Bronze Top.....	708.04	117.33
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0036	EA		5" x 5" Floor Drain With 4" Bottom Outlet, Bronze Top.....	732.06	129.38
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0037	EA		6" x 6" Floor Drain With 2" Bottom Outlet, Bronze Top.....	759.53	105.90
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0038	EA		6" x 6" Floor Drain With 3" Bottom Outlet, Bronze Top.....	782.37	117.33
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0039	EA		6" x 6" Floor Drain With 4" Bottom Outlet, Bronze Top.....	806.39	129.38
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0040	EA		8" x 8" Floor Drain With 2" Bottom Outlet, Bronze Top.....	968.83	105.90
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0041	EA		8" x 8" Floor Drain With 3" Bottom Outlet, Bronze Top.....	991.67	117.33
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0042	EA		8" x 8" Floor Drain With 4" Bottom Outlet, Bronze Top.....	1,015.69	129.38
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0043	EA		12" x 12" Can Wash Drain With 3" Bottom Outlet, Cast Iron Top.....	2,501.74	117.33
			<i>For Chained Grate, Add</i>	48.50	
			<i>For No-Hub Side Outlet, Add</i>	76.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	318.00	
22 13 19 13-0044	EA		12" x 12" Can Wash Drain With 4" Bottom Outlet, Cast Iron Top.....	2,525.76	129.38
			<i>For Chained Grate, Add</i>	48.50	
			<i>For No-Hub Side Outlet, Add</i>	76.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	318.00	
22 13 19 13-0045	EA		12" x 12" Can Wash Drain With 3" Bottom Outlet, Nikaloy Top.....	3,139.41	117.33
			<i>For Chained Grate, Add</i>	48.50	
			<i>For No-Hub Side Outlet, Add</i>	76.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	318.00	
22 13 19 13-0046	EA		12" x 12" Can Wash Drain With 4" Bottom Outlet, Nikaloy Top.....	3,163.43	129.38
			<i>For Chained Grate, Add</i>	48.50	
			<i>For No-Hub Side Outlet, Add</i>	76.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	318.00	
22 13 19 13-0047	EA		12" x 12" Can Wash Drain With 3" Bottom Outlet, Bronze Top.....	3,063.13	117.33
			<i>For Chained Grate, Add</i>	48.50	
			<i>For No-Hub Side Outlet, Add</i>	76.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	318.00	
22 13 19 13-0048	EA		12" x 12" Can Wash Drain With 4" Bottom Outlet, Bronze Top.....	3,087.15	129.38
			<i>For Chained Grate, Add</i>	48.50	
			<i>For No-Hub Side Outlet, Add</i>	76.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	318.00	
22 13 19 13-0049	EA		5" x 9" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	1,060.77	105.90
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0050	EA		5" x 9" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	1,083.61	117.33
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0051	EA		5" x 9" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	1,107.63	129.38
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0052	EA		5" x 13" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	1,363.95	105.90
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0053	EA		5" x 13" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	1,386.79	117.33
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0054	EA		5" x 13" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	1,410.81	129.38
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0055	EA		5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	1,434.37	105.90
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0056	EA		5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	1,457.21	117.33
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0057	EA		5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	1,481.23	129.38
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0058	EA		5" x 21" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	1,980.11	105.90
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0059	EA		5" x 21" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	2,002.95	117.33
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0060	EA		5" x 21" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	2,026.97	129.38
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0061	EA		5" x 9" Floor Drain With 2" Bottom Outlet, Bronze Top.....	998.17	105.90
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0062	EA		5" x 9" Floor Drain With 3" Bottom Outlet, Bronze Top.....	1,021.01	117.33
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0063	EA		5" x 9" Floor Drain With 4" Bottom Outlet, Bronze Top.....	1,045.03	129.38
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0064	EA		5" x 13" Floor Drain With 2" Bottom Outlet, Bronze Top.....	1,256.37	105.90
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0065	EA		5" x 13" Floor Drain With 3" Bottom Outlet, Bronze Top.....	1,279.21	117.33
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0066	EA		5" x 13" Floor Drain With 4" Bottom Outlet, Bronze Top.....	1,303.23	129.38
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0067	EA		5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Bronze Top.....	1,326.79	105.90
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0068	EA		5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Bronze Top.....	1,349.63	117.33
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0069	EA		5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Bronze Top.....	1,373.65	129.38
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0070	EA		5" x 21" Floor Drain With 2" Bottom Outlet, Bronze Top.....	1,770.81	105.90
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0071	EA		5" x 21" Floor Drain With 3" Bottom Outlet, Bronze Top.....	1,793.65	117.33
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0072	EA		5" x 21" Floor Drain With 4" Bottom Outlet, Bronze Top.....	1,817.67	129.38
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	

22 13 19 13-0073 Funnel Type Floor Drains (22 13 19 13)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0074 EA 7" Diameter Floor Drain With 4" Round Funnel With 1-1/2" Outlet, Bronze Top.....	1,000.91	94.55
For Galvanized Cast Iron Parts, Add	105.00	
For Satin Finish Bronze Top, Deduct	-19.50	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0075 EA 7" Diameter Floor Drain With 4" Round Funnel With 2" Outlet, Bronze Top.....	1,023.60	105.90
For Galvanized Cast Iron Parts, Add	105.00	
For Satin Finish Bronze Top, Deduct	-19.50	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0076 EA 7" Diameter Floor Drain With 4" Round Funnel With 3" Outlet, Bronze Top.....	1,046.19	117.25
For Galvanized Cast Iron Parts, Add	105.00	
For Satin Finish Bronze Top, Deduct	-19.50	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0077 EA 7" Diameter Floor Drain With 4" Round Funnel With 4" Outlet, Bronze Top.....	1,070.46	129.38
For Galvanized Cast Iron Parts, Add	105.00	
For Satin Finish Bronze Top, Deduct	-19.50	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0078 EA 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Nikaloy Top.....	1,463.71	105.90
For Galvanized Cast Iron Parts, Add	105.00	
For Satin Finish Bronze Top, Deduct	-19.50	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0079 EA 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Nikaloy Top.....	1,486.30	117.25
For Galvanized Cast Iron Parts, Add	105.00	
For Satin Finish Bronze Top, Deduct	-19.50	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0080 EA 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Nikaloy Top.....	1,510.57	129.38
For Galvanized Cast Iron Parts, Add	105.00	
For Satin Finish Bronze Top, Deduct	-19.50	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0081 EA 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Bronze Top.....	1,387.43	105.90
For Galvanized Cast Iron Parts, Add	105.00	
For Satin Finish Bronze Top, Deduct	-19.50	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0082 EA 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Bronze Top.....	1,410.02	117.25
For Galvanized Cast Iron Parts, Add	105.00	
For Satin Finish Bronze Top, Deduct	-19.50	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0083 EA 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Bronze Top.....	1,434.29	129.38
For Galvanized Cast Iron Parts, Add	105.00	
For Satin Finish Bronze Top, Deduct	-19.50	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0084 Floor Drain With Sediment Bucket Bottom Outlet (22 13 19 13)		
22 13 19 13-0085 EA 12-5/8" Round Floor Drain With Sediment Bucket, 2" Bottom Outlet, Satin Bronze Top, Without Trap.....	2,119.69	94.55
For Primer Tap, Add	33.50	
For Vandal Proof Screws, Add	30.50	
For Galvanized Cast Iron Parts, Add	247.00	
22 13 19 13-0086 EA 12-5/8" Round Floor Drain With Sediment Bucket, 3" Bottom Outlet, Satin Bronze Top, Without Trap.....	2,142.46	105.90
For Primer Tap, Add	33.50	
For Vandal Proof Screws, Add	30.50	
For Galvanized Cast Iron Parts, Add	247.00	
22 13 19 13-0087 EA 12-5/8" Round Floor Drain With Sediment Bucket, 4" Bottom Outlet, Satin Bronze Top, Without Trap.....	2,165.05	117.25
For Primer Tap, Add	33.50	
For Vandal Proof Screws, Add	30.50	
For Galvanized Cast Iron Parts, Add	247.00	
22 13 19 13-0088 EA 12-5/8" Round Floor Drain With Sediment Bucket, 5" Bottom Outlet, Satin Bronze Top, Without Trap.....	2,189.32	129.38
For Primer Tap, Add	33.50	
For Vandal Proof Screws, Add	30.50	
For Galvanized Cast Iron Parts, Add	247.00	
22 13 19 13-0089 EA 12-5/8" Round Floor Drain With Sediment Bucket, 6" Bottom Outlet, Satin Bronze Top, Without Trap.....	2,214.35	141.87
For Primer Tap, Add	33.50	
For Vandal Proof Screws, Add	30.50	
For Galvanized Cast Iron Parts, Add	247.00	
22 13 19 13-0090 EA 12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	2,291.12	105.90
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0091 EA 12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	2,313.96	117.33
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0092 EA 12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	2,337.98	129.38
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0093	EA		12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	2,363.01	141.87
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
22 13 19 13-0094	EA		12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	1,408.94	105.90
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
22 13 19 13-0095	EA		12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	1,431.78	117.33
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
22 13 19 13-0096	EA		12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	1,455.80	129.38
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
22 13 19 13-0097	EA		12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	1,480.83	141.87
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
22 13 19 13-0098	EA		12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	2,138.55	105.90
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
22 13 19 13-0099	EA		12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	2,161.39	117.33
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
22 13 19 13-0100	EA		12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	2,185.41	129.38
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
22 13 19 13-0101	EA		12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	2,210.44	141.87
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
22 13 19 13-0102			Other Drains (22 13 19 13)		
22 13 19 13-0103			Shower Drains (22 13 19 13-0102)		
22 13 19 13-0104	EA		4-1/4" Stainless Steel Shower Drain Strainer.....	33.08	9.55
			Note: Includes two 2-5/8" screws.		
22 13 19 13-0105	EA		4-1/4" Brass Shower Drain Strainer.....	36.36	9.55
			Note: Includes two 2-5/8" screws.		
22 13 19 13-0106	EA		4" Brass Shower Drain For Polyvinyl Chloride (PVC) Pipe.....	77.65	19.11
			Note: Fits over 2" polyvinyl chloride (PVC) pipe or inside 3" polyvinyl chloride (PVC) pipe.		
22 13 19 13-0107	EA		4" Chrome Finish, Threaded Brass Shower Drain And Gasket.....	96.49	19.11
			Note: For 2" pipe. Kohler K-9132.		
22 13 19 13-0108			Acid Resistant Floor Drains (22 13 19 13-0102)		
22 13 19 13-0109	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Acid Resistant Top.....	1,008.65	94.55
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0110	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Acid Resistant Top.....	1,031.42	105.90
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0111	EA		9" Diameter Floor Drain With 4" Bottom Outlet, Acid Resistant Top.....	1,054.01	117.25
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0112			Rotary And Lever Drains (22 13 19 13-0102)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0113 EA Lever Drain, 1-1/2" Drain, 3" Sink Opening.....	210.26	63.77
22 13 19 13-0114 EA Lever Drain, 2" Drain, 3" Sink Opening.....	223.45	70.36
22 13 19 13-0115 EA Lever Drain, 1-1/2" Drain, 3-1/2" Sink Opening	210.26	63.77
22 13 19 13-0116 EA Lever Drain, 2" Drain, 3-1/2" Sink Opening.....	223.45	70.36
22 13 19 13-0117 EA Twist Drain, 1-1/2" Drain, 3" Sink Opening	210.26	63.77
22 13 19 13-0118 EA Twist Drain, 2" Drain, 3" Sink Opening	223.45	70.36
22 13 19 13-0119 EA Twist Drain, 1-1/2" Drain, 3-1/2" Sink Opening.....	210.26	63.77
22 13 19 13-0120 EA Twist Drain, 2" Drain, 3-1/2" Sink Opening	223.45	70.36
22 13 19 13-0121 EA Rotary Twist Drain, 1-1/2"-2" Drain, 3-1/2" Sink Opening (Fisher 16100).....	287.27	70.36
22 13 19 13-0122 Floor Receptor (22 13 19 13)		
22 13 19 13-0123 9" Diameter Round Shallow Receptor (22 13 19 13-0122)		
Note: With slotted medium duty grate, aluminum secondary strainer and white acid resisting coated interior and top.		
22 13 19 13-0124 EA 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 2" Drain Connection	1,236.95	105.99
<i>For Flange With Seepage Holes, Add</i>		
<i>For Flange With Seepage Holes And Clamp Collar, Add</i>		
<i>For Trap Primer Connection, Add</i>		
<i>For Full Grate With 2" (50 mm) Square Center Opening, Add</i>		
<i>For Vandal Proof Secured Grate, Add</i>		
<i>For White Acid Resistant Bucket, Add</i>		
<i>For Stainless Steel Liner For Bucket, Add</i>		
22 13 19 13-0125 EA 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 3" Drain Connection	1,259.90	117.42
<i>For Flange With Seepage Holes, Add</i>		
<i>For Flange With Seepage Holes And Clamp Collar, Add</i>		
<i>For Trap Primer Connection, Add</i>		
<i>For Full Grate With 2" (50 mm) Square Center Opening, Add</i>		
<i>For Vandal Proof Secured Grate, Add</i>		
<i>For White Acid Resistant Bucket, Add</i>		
<i>For Stainless Steel Liner For Bucket, Add</i>		
22 13 19 13-0126 EA 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 4" Drain Connection	1,283.67	129.38
<i>For Flange With Seepage Holes, Add</i>		
<i>For Flange With Seepage Holes And Clamp Collar, Add</i>		
<i>For Trap Primer Connection, Add</i>		
<i>For Full Grate With 2" (50 mm) Square Center Opening, Add</i>		
<i>For Vandal Proof Secured Grate, Add</i>		
<i>For White Acid Resistant Bucket, Add</i>		
<i>For Stainless Steel Liner For Bucket, Add</i>		
22 13 19 13-0127 Square Top Floor Receptors (22 13 19 13-0122)		
Note: With acid resistant coating.		
22 13 19 13-0128 EA 8" x 8" Floor Drain With 1-1/2" Bottom Outlet, Acid Resistant Top	1,456.67	94.55
<i>For Flange With Seepage Holes, Add</i>		
<i>For Flange With Seepage Holes And Clamp Collar, Add</i>		
<i>For Trap Primer Connection, Add</i>		
<i>For Full Grate With 2" Square Center Opening, Add</i>		
<i>For Vandal Proof Secured Grate, Add</i>		
<i>For White Acid Resistant Bucket, Add</i>		
<i>For Stainless Steel Liner For Bucket, Add</i>		
22 13 19 13-0129 EA 8" x 8" Floor Drain With 2" Bottom Outlet, Acid Resistant Top.....	1,479.46	105.99
<i>For Flange With Seepage Holes, Add</i>		
<i>For Flange With Seepage Holes And Clamp Collar, Add</i>		
<i>For Trap Primer Connection, Add</i>		
<i>For Full Grate With 2" Square Center Opening, Add</i>		
<i>For Vandal Proof Secured Grate, Add</i>		
<i>For White Acid Resistant Bucket, Add</i>		
<i>For Stainless Steel Liner For Bucket, Add</i>		
22 13 19 13-0130 EA 8" x 8" Floor Drain With 3" Bottom Outlet, Acid Resistant Top.....	1,501.95	117.25
<i>For Flange With Seepage Holes, Add</i>		
<i>For Flange With Seepage Holes And Clamp Collar, Add</i>		
<i>For Trap Primer Connection, Add</i>		
<i>For Full Grate With 2" Square Center Opening, Add</i>		
<i>For Vandal Proof Secured Grate, Add</i>		
<i>For White Acid Resistant Bucket, Add</i>		
<i>For Stainless Steel Liner For Bucket, Add</i>		
22 13 19 13-0131 EA 8" x 8" Floor Drain With 4" Bottom Outlet, Acid Resistant Top.....	1,526.22	129.38
<i>For Flange With Seepage Holes, Add</i>		
<i>For Flange With Seepage Holes And Clamp Collar, Add</i>		
<i>For Trap Primer Connection, Add</i>		
<i>For Full Grate With 2" Square Center Opening, Add</i>		
<i>For Vandal Proof Secured Grate, Add</i>		
<i>For White Acid Resistant Bucket, Add</i>		
<i>For Stainless Steel Liner For Bucket, Add</i>		
22 13 19 13-0132 Floor Drain Accessories (22 13 19 13)		
22 13 19 13-0133 EA 3" Trap Guard Floor Drain Insert (ProVent TG3H).....	68.51	11.00
Note: Prevents emission of sewer gases.		
22 13 19 13-0134 EA 2" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG22)	56.88	11.00
Note: Prevents emission of sewer gases.		
22 13 19 13-0135 EA 3" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG33)	61.53	11.00
Note: Prevents emission of sewer gases.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0136	EA		3" Trap Guard Drain Insert For 4" Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG34IP).....	73.16	11.00
			Note: Prevents emission of sewer gases.		
22 13 19 13-0137	EA		3" Trap Guard Drain Insert For 4" Hub (ProVent TG34TP).....	66.18	11.00
			Note: Prevents emission of sewer gases.		
22 13 19 13-0138	EA		2" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-02)	91.95	11.00
			Note: Prevents emission of sewer gases.		
22 13 19 13-0139	EA		3" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-03)	101.32	11.00
			Note: Prevents emission of sewer gases.		
22 13 19 13-0140	EA		4" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-04)	124.56	11.00
			Note: Prevents emission of sewer gases.		
22 13 19 26			Grease Removal Devices (22 13 19)		
22 13 19 26-0001			Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26)		
			Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval and flow control fitting.		
22 13 19 26-0002			Standard Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0001)		
			Note: Josam 60100H/60210A, Smith 8100/8400, Wade 5100, or Zurn Z1173/Z1170 series.		
22 13 19 26-0003	EA		7 GPM, 14 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	775.08	65.97
			Note: Josam 60102H.		
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,290.33	
22 13 19 26-0004	EA		10 GPM, 20 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	901.96	148.43
			Note: Josam 60103H.		
			<i>For Flange And Clamp Device, Add</i>	359.12	
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,361.87	
22 13 19 26-0005	EA		15 GPM, 30 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	1,262.30	164.92
			Note: Josam 60104H.		
			<i>For Flange And Clamp Device, Add</i>	370.11	
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,486.84	
22 13 19 26-0006	EA		20 GPM, 40 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	1,517.78	181.41
			Note: Josam 60105H.		
			<i>For Flange And Clamp Device, Add</i>	381.11	
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,606.38	
22 13 19 26-0007	EA		25 GPM, 50 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	1,697.29	197.91
			Note: Josam 60106H.		
			<i>For Flange And Clamp Device, Add</i>	422.50	
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,671.18	
22 13 19 26-0008	EA		35 GPM, 70 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	2,079.63	230.89
			Note: Josam 60107H.		
			<i>For Flange And Clamp Device, Add</i>	455.69	
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,836.65	
22 13 19 26-0009	EA		50 GPM, 100 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	2,698.27	263.87
			Note: Josam 60108H.		
			<i>For Flange And Clamp Device, Add</i>	518.64	
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,955.07	
22 13 19 26-0010	EA		75 GPM, 150 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	5,218.08	296.85
			Note: Josam 60109H.		
			<i>For Flange And Clamp Device, Add</i>	741.91	
22 13 19 26-0011	EA		100 GPM, 200 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	5,883.81	344.06
			Note: Josam 60110H.		
			<i>For Flange And Clamp Device, Add</i>	837.38	
22 13 19 26-0012	EA		150 GPM, 300 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	7,299.93	550.50
			Note: Josam 60213A.		
			<i>For Flange And Clamp Device, Add</i>	1,135.00	
22 13 19 26-0013	EA		200 GPM, 400 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	10,442.69	688.13
			Note: Josam 60214A.		
			<i>For Flange And Clamp Device, Add</i>	1,356.03	
22 13 19 26-0014	EA		250 GPM, 500 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	12,189.01	825.75
			Note: Josam 60215A.		
			<i>For Flange And Clamp Device, Add</i>	1,760.74	
22 13 19 26-0015	EA		350 GPM, 700 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	15,802.75	963.37
			Note: Josam 60216A.		
			<i>For Flange And Clamp Device, Add</i>	2,090.25	
22 13 19 26-0016	EA		500 GPM, 1,000 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	20,398.22	1,101.00
			Note: Josam 60217A.		
			<i>For Flange And Clamp Device, Add</i>	2,455.28	
22 13 19 26-0017			Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0001)		
			Note: Josam 60110A, Smith 8100, Wade 5100LR, or Zurn Z1171 series.		
22 13 19 26-0018	EA		20 GPM, 40 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	2,154.32	181.41
			Note: Josam 60115A.		
22 13 19 26-0019	EA		35 GPM, 70 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	2,770.42	230.89
			Note: Josam 60117A.		
22 13 19 26-0020	EA		50 GPM, 100 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	4,524.30	263.87
			Note: Smith 8150.		
22 13 19 26-0021			Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26)		
			Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval, grease recovery cone, flexible hose, grease draw off valve and flow control fitting.		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0022 Standard Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor						
<small>(22 13 19 26-0021)</small>						
Note: Josam 60100-SA, Smith 8300GTX, Wade 5100JCX, or Zurn Z1173-TD series.						
	22 13 19 26-0023	EA		7 GPM, 14 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60102-SA.	1,882.59	65.97
	<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>				1,290.33	
	22 13 19 26-0024	EA		10 GPM, 20 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60103-SA.	2,211.21	148.43
	<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>				1,361.87	
	22 13 19 26-0025	EA		15 GPM, 30 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60104-SA.	2,365.00	164.92
	<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>				1,486.84	
	22 13 19 26-0026	EA		20 GPM, 40 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60105-SA.	2,878.47	181.41
	<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>				1,606.38	
	22 13 19 26-0027	EA		25 GPM, 50 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60106-SA.	3,461.84	197.91
	<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>				1,671.18	
	22 13 19 26-0028	EA		35 GPM, 70 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60107-SA.	3,589.81	230.89
	<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>				1,836.65	
	22 13 19 26-0029	EA		50 GPM, 100 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60108-SA.	4,097.93	263.87
	<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>				1,955.07	
22 13 19 26-0030 Low Profile Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor						
<small>(22 13 19 26-0021)</small>						
Note: Josam 60115A-SA, Smith 8100GTX, or Zurn Z1171-TD series.						
	22 13 19 26-0031	EA		35 GPM, 70 LB Capacity Low Profile Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60115A-SA.	4,792.16	230.89
22 13 19 26-0032 Automatic Cleaning Stainless Steel Grease Interceptor						
<small>(22 13 19 26)</small>						
	22 13 19 26-0033	EA		20 GPM, 69 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Low Engineering 20 Greasestopper).	4,135.40	181.41
	22 13 19 26-0034	EA		25 GPM, 91 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Low Engineering 25 Greasestopper).	4,795.11	197.91
	22 13 19 26-0035	EA		35 GPM, 70 LB Capacity, 110 Volt, Automatic Cleaning Stainless Steel Grease Trap/Removal Device (Guardian GGX35)	4,142.36	230.89
22 13 19 26-0036 Precast Concrete Grease Interceptor						
<small>(22 13 19 26)</small>						
Note: Includes two access manholes, cast iron non-skid surface, lift hole, frame and cover for heavy-traffic.						
	22 13 19 26-0037	EA		1,000 Gallon Pre-Cast Grease Interceptor	4,547.93	307.51
	22 13 19 26-0038	EA		1,250 Gallon Pre-Cast Grease Interceptor	5,207.67	307.51
	22 13 19 26-0039	EA		1,500 Gallon Pre-Cast Grease Interceptor	5,910.38	351.55
	22 13 19 26-0040	EA		2,000 Gallon Pre-Cast Grease Interceptor	6,716.66	496.48
	22 13 19 26-0041	EA		2,500 Gallon Pre-Cast Grease Interceptor	7,552.12	667.97
	22 13 19 26-0042	EA		4,000 Gallon Pre-Cast Grease Interceptor	11,339.10	878.82
	22 13 19 26-0043	EA		5,000 Gallon Pre-Cast Grease Interceptor	14,527.69	1,441.14
22 13 19 26-0044 Coated Steel Manual Oil Interceptor						
<small>(22 13 19 26)</small>						
Note: Includes internal air relief, and flow control fitting.						
	22 13 19 26-0045	EA		10 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	2,919.99	251.32
	22 13 19 26-0046	EA		15 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	3,914.31	298.62
	22 13 19 26-0047	EA		20 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	4,742.26	367.42
	22 13 19 26-0048	EA		25 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	5,150.37	398.00
	22 13 19 26-0049	EA		35 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	6,160.35	434.31
	22 13 19 26-0050	EA		50 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	8,075.52	477.79
	22 13 19 26-0051	EA		75 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	13,430.64	549.74
	22 13 19 26-0052	EA		100 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	14,719.93	676.40
	22 13 19 26-0053	EA		150 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	18,026.34	733.12
	22 13 19 26-0054	EA		200 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	25,156.39	879.57
	22 13 19 26-0055	EA		250 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	28,987.47	945.54
	22 13 19 26-0056	EA		350 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	36,485.32	1,127.62
	22 13 19 26-0057	EA		400 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	43,844.69	924.00
	22 13 19 26-0058	EA		500 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	51,941.36	1,099.46
22 13 19 33 Backwater Valves						
<small>(22 13 19)</small>						
22 13 19 33-0001 Cast Iron Body Terminal Backwater Valves						
<small>(22 13 19 33)</small>						
	22 13 19 33-0002	EA		2" Cast Iron Body Terminal Backwater Valve	232.20	25.25
	22 13 19 33-0003	EA		3" Cast Iron Body Terminal Backwater Valve	241.88	31.76
	22 13 19 33-0004	EA		4" Cast Iron Body Terminal Backwater Valve	346.61	42.22
	22 13 19 33-0005	EA		6" Cast Iron Body Terminal Backwater Valve	896.75	58.00
	22 13 19 33-0006	EA		8" Cast Iron Body Terminal Backwater Valve	1,099.94	76.34
	22 13 19 33-0007	EA		10" Cast Iron Body Terminal Backwater Valve	3,103.26	94.17



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 33-0008 EA 12" Cast Iron Body Terminal Backwater Valve	3,525.10	122.13
22 13 19 33-0009 Cast Iron Backwater Sewer Line Valve <small>(22 13 19 33)</small>		
Note: Offset type with bronze swing check assembly, threaded bronze cover, and bell and spigot connections.		
22 13 19 33-0010 EA 2" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	585.73	60.21
22 13 19 33-0011 EA 3" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	877.15	73.01
22 13 19 33-0012 EA 4" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	1,088.41	94.12
22 13 19 33-0013 EA 6" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	1,503.03	105.37
22 13 19 33-0014 EA 8" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	2,065.25	124.87
22 13 19 33-0015 Cast Iron, Straight Through Shear Gate, Swing Check Backwater Valve <small>(22 13 19 33)</small>		
Note: Offset type with bronze, manually operated shear gate, non-rising stem, and bell and spigot connections.		
22 13 19 33-0016 EA 3" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	1,512.32	95.26
22 13 19 33-0017 EA 4" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	1,559.47	126.66
22 13 19 33-0018 EA 5" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	2,250.77	156.06
22 13 19 33-0019 EA 6" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	2,277.90	173.99
22 13 19 33-0020 Polyvinyl Chloride (PVC) Backwater Sewer Line Valve <small>(22 13 19 33)</small>		
Note: Oatey.		
22 13 19 33-0021 EA 3" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43900).....	93.05	31.76
22 13 19 33-0022 EA 4" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43904).....	113.44	42.22
22 13 19 33-0023 EA 6" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43908).....	300.78	58.00
22 13 19 33-0024 Polyvinyl Chloride (PVC) Extendable Backwater Valves <small>(22 13 19 33)</small>		
22 13 19 33-0025 EA 3" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check).....	214.18	63.51
Note: Includes valve body, flapper assembly and collar.		
22 13 19 33-0026 EA 4" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check).....	285.19	84.44
Note: Includes valve body, flapper assembly and collar.		
22 13 19 33-0027 EA 6" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check).....	477.54	115.99
Note: Includes valve body, flapper assembly and collar.		
22 13 19 36 Air-Admittance Valves <small>(22 13 19)</small>		
22 13 19 36-0001 Acrylonitrile Butadiene Styrene (ABS) And Polyvinyl Chloride (PVC) Automatic Drain Vent <small>(22 13 19 36)</small>		
22 13 19 36-0002 EA 1-1/4", 1-1/2" And 2" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Mini Vent.....	132.80	12.32
22 13 19 36-0003 EA 2", 3" And 4" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Maxi Vent.....	157.73	12.32
22 13 23 Sanitary Waste Interceptors <small>(22 13)</small>		
22 13 23 00-0001 Sediment Bucket Solids Interceptors <small>(22 13 23)</small>		
22 13 23 00-0002 EA 1-1/2" Or 2" Top Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1180).....	750.13	124.55
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0003 EA 1-1/2" Or 2" Bottom Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1184).....	751.01	124.55
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0004 EA 1-1/2" Or 2" Top Access, Acid Resistant Coated Steel (Inside And Outside), Aluminum Cover, Removable Stainless Steel Sediment Bucket Solids Interceptor (Jay R. Smith 8714 ARI0).....	1,039.25	124.55
Note: On floor mount. Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0005 EA 1-1/2" Or 2" Bottom Access, 15 GPM, Acid Resistant Coated Cast Iron, Aluminum Strainer, Removable Stainless Steel Screens, Sediment Bucket Solids Interceptor (Jay R. Smith 8730-AR10).....	1,039.25	124.55
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0006 EA 1-1/2" Or 2" Top Access, Acid Resistant Coated Cast Aluminum (Inside And Outside) Removable Stainless Steel Screen, Sediment Bucket Solids Interceptor (Josam 61030).....	1,104.51	124.55
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0007 Solid Interceptors, Cast Iron With Internal Deep Seal Trap <small>(22 13 23)</small>		
22 13 23 00-0008 EA 1-1/2" Inlet Cast Iron Solid Interceptor, Painted Enamel.....	307.76	42.61
For Stainless Steel Bucket, Add	175.00	
22 13 23 00-0009 EA 2" Inlet Cast Iron Solid Interceptor, Painted Enamel.....	313.21	45.39
For Stainless Steel Bucket, Add	175.00	
22 13 23 00-0010 Sediment Strainers <small>(22 13 23)</small>		
22 13 23 00-0011 EA 2" Strainer, Pump Suction Side.....	129.51	58.23



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 Sanitary Sewerage Pumps (22 13) Note: Includes extra set of gaskets, bearings and seals.		
22 13 29 13 Wet-Pit-Mounted, Vertical Sewerage Pumps (22 13 29)		
22 13 29 13-0001 Vertical Non-Clog Sewage Pumps (22 13 29 13)		
22 13 29 13-0002 1-1/2" Solids 1,750 RPM Vertical Sewage Pumps (22 13 29 13-0001)		
22 13 29 13-0003 EA 1/2 HP, Up To 75 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM	4,670.30	1,055.13
22 13 29 13-0004 EA 3/4 HP, Up To 125 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM	4,827.65	1,055.13
22 13 29 13-0005 EA 1 HP, Up To 150 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM	4,985.00	1,055.13
22 13 29 13-0006 EA 1-1/2 HP, Up To 150 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM	5,135.09	1,055.13
22 13 29 13-0007 2" Solids 1,750 RPM Vertical Sewage Pumps (22 13 29 13-0001)		
22 13 29 13-0008 EA 3/4 HP, Up To 75 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	5,106.04	1,055.13
22 13 29 13-0009 EA 1 HP, Up To 100 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	5,166.56	1,055.13
22 13 29 13-0010 EA 2 HP, Up To 200 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	5,208.92	1,055.13
22 13 29 13-0011 EA 3 HP, Up To 300 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	5,499.42	1,055.13
22 13 29 13-0012 EA 5 HP, Up To 400 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	5,783.86	1,055.13
22 13 29 13-0013 EA 7-1/2 HP, Up To 500 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	6,219.61	1,055.13
22 13 29 13-0014 EA 10 HP, Up To 600 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	6,655.35	1,055.13
22 13 29 13-0015 EA 15 HP, Up To 600 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	7,789.14	1,404.15
22 13 29 13-0016 3" Solids 1,750 RPM Vertical Sewage Pumps (22 13 29 13-0001)		
22 13 29 13-0017 EA 2 HP, Up To 300 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	5,409.28	1,055.13
22 13 29 13-0018 EA 3 HP, Up To 400 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	5,409.28	1,055.13
22 13 29 13-0019 EA 5 HP, Up To 500 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	5,514.14	1,055.13
22 13 29 13-0020 EA 7-1/2 HP, Up To 700 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	6,327.72	1,055.13
22 13 29 13-0021 EA 10 HP, Up To 800 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	6,470.43	1,055.13
22 13 29 13-0022 EA 15 HP, Up To 900 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	7,839.34	1,404.15
22 13 29 13-0023 EA 20 HP, Up To 900 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	8,202.46	1,404.15
22 13 29 13-0024 Extra Column Assemblies Addition, 5' Or Less (22 13 29 13-0001)		
22 13 29 13-0025 EA 2-1/2" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	544.22	
22 13 29 13-0026 EA 3" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	653.44	
22 13 29 13-0027 EA 4" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	730.37	
22 13 29 13-0028 EA 5" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	743.67	
22 13 29 13-0029 EA 6" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	834.84	
22 13 29 13-0030 Float Switches (22 13 29 13-0001) Note: Copper coated floats, brass rods and stops and switch brackets.		
22 13 29 13-0031 EA Float Switch Copper Coated Float, Add, General Purpose For vertical sewage pumps	489.13	
22 13 29 13-0032 EA Float Switch Copper Coated Float, Add, Weather Proof For vertical sewage pumps	513.82	
22 13 29 13-0033 EA Float Switch Copper Coated Float, Add, Explosion Proof For vertical sewage pumps	525.22	
22 13 29 13-0034 Square Or Round Steel Sump Covers (22 13 29 13-0001)		
22 13 29 13-0035 EA 24" Steel Sump Covers, Square Or Round.....	509.55	35.19
22 13 29 13-0036 EA 30" Steel Sump Covers, Square Or Round.....	564.26	39.58
22 13 29 13-0037 EA 36" Steel Sump Covers, Square Or Round.....	781.99	52.77
22 13 29 13-0038 EA 40" Steel Sump Covers, Square Or Round.....	1,128.03	61.57
22 13 29 13-0039 EA 42" Steel Sump Covers, Square Or Round.....	1,208.24	63.77
22 13 29 13-0040 EA 48" Steel Sump Covers, Square Or Round.....	1,291.07	65.97
22 13 29 13-0041 EA 54" Steel Sump Covers, Square Or Round.....	1,642.44	79.17
22 13 29 13-0042 EA 60" Steel Sump Covers, Square Or Round.....	2,216.00	87.96
22 13 29 13-0043 EA 72" Steel Sump Covers, Square Or Round.....	2,810.02	109.95
22 13 29 13-0044 EA 84" Steel Sump Covers, Square Or Round.....	3,563.55	120.94
22 13 29 16 Submersible Sewerage Pumps (22 13 29) Note: Includes 25' of cord with pumps unless otherwise noted.		
22 13 29 16-0001 Submersible Sewage Pumps With Vortex Impeller (22 13 29 16)		
22 13 29 16-0002 Submersible Sewage Pumps With Cast Iron Vortex Impeller (22 13 29 16-0001)		
22 13 29 16-0003 EA 1/2 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Steel Housing And Impeller	530.56	64.03
22 13 29 16-0004 EA 1/2 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	688.16	64.03
22 13 29 16-0005 EA 1 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	829.71	80.03
22 13 29 16-0006 Submersible Sewage Pumps With Bronze Vortex Impeller (22 13 29 16-0001)		
22 13 29 16-0007 EA 1/2 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	782.79	64.03
22 13 29 16-0008 EA 1 HP Submersible Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	958.44	80.03

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0009 EA 1-1/2 HP Submersible Sewage Pump, 230 Volt, 1 Or 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,168.71	129.00
22 13 29 16-0010 EA 2 HP Submersible Sewage Pump, 230 Volt, 1 Or 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,289.42	157.67
22 13 29 16-0011 Submersible Sewage Pumps With Semi-Open Impeller (22 13 29 16)		
22 13 29 16-0012 EA 1 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,677.57	80.03
22 13 29 16-0013 EA 1.5 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,861.12	128.59
22 13 29 16-0014 EA 2 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	2,400.42	157.16
22 13 29 16-0015 EA 3 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	2,792.29	190.51
22 13 29 16-0016 EA 5 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	3,254.01	223.84
22 13 29 16-0017 EA 7.5 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	3,402.55	257.18
22 13 29 16-0018 Submersible Sewage Pumps Accessories (22 13 29 16)		
22 13 29 16-0019 EA Simplex Single Phase Plug In Controller With NEMA 4X Enclosure For Non-Automatic Submersible Sewage Pump.....	316.97	72.38
Note: Includes alarm horn, warning light, and single control float switches.		
22 13 29 16-0020 EA Simplex Single Phase Controller With NEMA 4X Enclosure For Non Automatic Submersible Sewage Pump.....	730.11	96.51
Note: Includes alarm horn, warning light, HOA switch, and three control float switches.		
22 13 29 16-0021 EA Simplex Three Phase Controller With NEMA 4X Enclosure For Non Automatic Submersible Sewage Pump.....	942.89	96.51
Note: Includes alarm horn, warning light, HOA switch, and three control float switches.		
22 13 29 16-0022 EA Duplex Alarm System And Controller With NEMA 4X Enclosure For Non Automatic Submersible Sewage Pump.....	1,054.90	120.63
Note: Includes alarm horn, warning light, HOA switch, and three control float switches.		
22 13 29 16-0023 EA High-water Alarm For Submersible Sewage Pump.....	242.78	48.25
22 13 29 16-0024 EA Float Switch For Submersible Sewage Pump.....	92.32	24.13
22 13 29 16-0025 EA Rail System With 2" Discharge For Submersible Sewage Pump.....	452.62	72.38
22 13 29 33 Sewerage Pump Basins And Pits (22 13 29)		
22 13 29 33-0001 Sewage Sump Pump Basin (22 13 29 33)		
22 13 29 33-0002 High Density Polyethylene (HDPE) Basin (22 13 29 33-0001)		
22 13 29 33-0003 EA 18" Diameter x 24" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	109.69	
22 13 29 33-0004 EA 18" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	141.32	
22 13 29 33-0005 EA 24" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	318.01	
22 13 29 33-0006 EA 24" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	445.44	
22 13 29 33-0007 EA 30" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	572.87	
22 13 29 33-0008 EA 36" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	666.08	
22 13 29 33-0009 Fiberglass Basin (22 13 29 33-0001)		
22 13 29 33-0010 EA 18" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub.....	193.54	
22 13 29 33-0011 EA 24" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub.....	376.32	
22 13 29 33-0012 EA 30" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub.....	663.26	
22 13 29 33-0013 EA 36" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub.....	886.43	
22 13 29 33-0014 EA 36" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub.....	1,019.27	
22 13 29 33-0015 EA 36" Diameter x 60" High Fiberglass Basin And Lid With Inlet And Hub.....	1,076.66	
22 13 29 33-0016 EA 36" Diameter x 72" High Fiberglass Basin And Lid With Inlet And Hub.....	1,261.58	
22 13 29 33-0017 EA 48" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub.....	1,463.50	
22 14 Facility Storm Drainage (22 10)		
22 14 13 Facility Storm Drainage Piping (22 14)		
See CSI section 22 13 16 00-0000 for storm drainage piping.		
22 14 26 Facility Storm Drains (22 14)		
22 14 26 13 Roof Drains (22 14 26)		
22 14 26 13-0001 Cast Iron Roof Drains (22 14 26 13)		
22 14 26 13-0002 Cast Iron Roof Drains With Large Polypropylene Dome (22 14 26 13-0001)		
Note: Dome free area is 124 square inches.		
22 14 26 13-0003 EA 15" Diameter Cast Iron Roof Drain With 2" Outlet, 124 Square Inch Free Area Polypropylene Dome.....	695.12	146.62
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Bronze Dome, Add	448.80	
For Drain Receiver, Add	147.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 14 26 13-0004	EA		15" Diameter Cast Iron Roof Drain With 3" Outlet, 124 Square Inch Free Area Polypropylene Dome <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Bronze Dome, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	768.42 518.00 130.00 448.80 147.00 357.00	175.91
	22 14 26 13-0005	EA		15" Diameter Cast Iron Roof Drain With 4" Outlet, 124 Square Inch Free Area Polypropylene Dome <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Bronze Dome, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	841.71 518.00 130.00 448.80 147.00 357.00	219.89
	22 14 26 13-0006	EA		15" Diameter Cast Iron Roof Drain With 5" Outlet, 124 Square Inch Free Area Polypropylene Dome <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Bronze Dome, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	1,124.32 518.00 130.00 448.80 147.00 357.00	263.87
	22 14 26 13-0007	EA		15" Diameter Cast Iron Roof Drain With 6" Outlet, 124 Square Inch Free Area Polypropylene Dome <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Bronze Dome, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	1,160.96 518.00 130.00 448.80 147.00 357.00	293.16
	22 14 26 13-0008	EA		15" Diameter Cast Iron Roof Drain With 8" Outlet, 124 Square Inch Free Area Polypropylene Dome <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Bronze Dome, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	1,361.62 518.00 130.00 448.80 147.00 357.00	307.85
	22 14 26 13-0009	EA		15" Diameter Cast Iron Roof Drain With 10" Outlet, 124 Square Inch Free Area Polypropylene Dome <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Bronze Dome, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	1,814.52 518.00 130.00 448.80 147.00 357.00	318.85
	22 14 26 13-0010			Cast Iron Roof Drains With Expansion Joint <small>(22 14 26 13-0001)</small> Note: With polypropylene dome. Dome free area is 124 square inches.		
	22 14 26 13-0011	EA		15" Diameter Cast Iron Roof Drain With Expansion Joint, 2" Outlet, Polypropylene Dome <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	1,070.75 518.00 130.00 147.00 357.00	146.62
	22 14 26 13-0012	EA		15" Diameter Cast Iron Roof Drain With Expansion Joint, 3" Outlet, Polypropylene Dome <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	1,170.29 518.00 130.00 147.00 357.00	175.91
	22 14 26 13-0013	EA		15" Diameter Cast Iron Roof Drain With Expansion Joint, 4" Outlet, Polypropylene Dome <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	1,294.68 518.00 130.00 147.00 357.00	219.89
	22 14 26 13-0014	EA		15" Diameter Cast Iron Roof Drain With Expansion Joint, 5" Outlet, Polypropylene Dome <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	1,783.06 518.00 130.00 147.00 357.00	263.87
	22 14 26 13-0015	EA		15" Diameter Cast Iron Roof Drain With Expansion Joint, 6" Outlet, Polypropylene Dome <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	1,914.99 518.00 130.00 147.00 357.00	293.16
	22 14 26 13-0016			Cast Iron Roof Drains With Flat Bronze Promenade Top <small>(22 14 26 13-0001)</small>		
	22 14 26 13-0017	EA		14" x 14" Cast Iron Roof Drain With 2" Outlet, Bronze Promenade Top <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	1,440.97 197.00 130.00 147.00 357.00	146.62
	22 14 26 13-0018	EA		14" x 14" Cast Iron Roof Drain With 3" Outlet, Bronze Promenade Top <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	1,514.27 197.00 130.00 147.00 357.00	175.91
	22 14 26 13-0019	EA		14" x 14" Cast Iron Roof Drain With 4" Outlet, Bronze Promenade Top <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	1,587.56 197.00 130.00 147.00 357.00	219.89



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0020	EA		14" x 14" Cast Iron Roof Drain With 5" Outlet, Bronze Promenade Top.....	1,859.12	263.87
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0021	EA		14" x 14" Cast Iron Roof Drain With 6" Outlet, Bronze Promenade Top.....	1,895.76	293.16
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0022			Cast Iron Scupper Drain With L-Shaped Bronze Grate (22 14 26 13-0001)		
22 14 26 13-0023	EA		Cast Iron Scupper Drain With 2" Outlet, L-Shaped Bronze Grate.....	921.14	58.67
			<i>For Vandal Proof Grate, Add</i>	33.00	
			<i>For Galvanized Iron Parts, Add</i>	49.00	
22 14 26 13-0024	EA		Cast Iron Scupper Drain With 3" Outlet, L-Shaped Bronze Grate.....	950.46	73.27
			<i>For Vandal Proof Grate, Add</i>	33.00	
			<i>For Galvanized Iron Parts, Add</i>	49.00	
22 14 26 13-0025	EA		Cast Iron Scupper Drain With 4" Outlet, L-Shaped Bronze Grate.....	963.78	79.95
			<i>For Vandal Proof Grate, Add</i>	33.00	
			<i>For Galvanized Iron Parts, Add</i>	98.00	
22 14 26 13-0026	EA		Cast Iron Scupper Drain With 5" Outlet, L-Shaped Bronze Grate.....	1,354.19	105.99
			<i>For Vandal Proof Grate, Add</i>	33.00	
			<i>For Galvanized Iron Parts, Add</i>	98.00	
22 14 26 13-0027	EA		Cast Iron Scupper Drain With 6" Outlet, L-Shaped Bronze Grate.....	1,400.95	129.38
			<i>For Vandal Proof Grate, Add</i>	33.00	
			<i>For Galvanized Iron Parts, Add</i>	98.00	
22 14 26 13-0028			Cast Iron Roof Drain With Flat Cast Iron Grate (22 14 26 13-0001)		
			Note: Grate free area is 27 square inches.		
22 14 26 13-0029	EA		9" x 9" Cast Iron Roof Drain With 2" Outlet, Cast Iron Promenade Top.....	758.65	146.62
			<i>For Galvanized Iron Parts, Add</i>	144.00	
			<i>For Deck Clamp Assembly, Add</i>	80.40	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	93.60	
22 14 26 13-0030	EA		9" x 9" Cast Iron Roof Drain With 3" Outlet, Cast Iron Promenade Top.....	831.95	175.91
			<i>For Galvanized Iron Parts, Add</i>	144.00	
			<i>For Deck Clamp Assembly, Add</i>	80.40	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	93.60	
22 14 26 13-0031	EA		9" x 9" Cast Iron Roof Drain With 4" Outlet, Cast Iron Promenade Top.....	905.24	219.89
			<i>For Galvanized Iron Parts, Add</i>	144.00	
			<i>For Deck Clamp Assembly, Add</i>	80.40	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	93.60	
22 14 26 13-0032			Cast Iron Roof Drains With Large Cast Iron Dome (22 14 26 13-0001)		
22 14 26 13-0033	EA		15" Diameter Cast Iron Roof Drain With 2" Outlet, Cast Iron Dome.....	813.90	146.62
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0034	EA		15" Diameter Cast Iron Roof Drain With 3" Outlet, Cast Iron Dome.....	887.20	175.91
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0035	EA		15" Diameter Cast Iron Roof Drain With 4" Outlet, Cast Iron Dome.....	960.49	219.89
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0036	EA		15" Diameter Cast Iron Roof Drain With 5" Outlet, Cast Iron Dome.....	1,243.10	263.87
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0037	EA		15" Diameter Cast Iron Roof Drain With 6" Outlet, Cast Iron Dome.....	1,279.74	293.16
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0038	EA		15" Diameter Cast Iron Roof Drain With 8" Outlet, Cast Iron Dome.....	1,480.40	307.85
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0039	EA		15" Diameter Cast Iron Roof Drain With 10" Outlet, Cast Iron Dome.....	1,933.31	318.85
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0040			Aluminum Roof Drains (22 14 26 13)		



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0041 Aluminum Dome Roof Drains <small>(22 14 26 13-0040)</small>				
22 14 26 13-0042	EA	15" Diameter Roof Drain With 2" Outlet, Aluminum Dome.....	834.62	146.62
		<i>For Galvanized Iron Parts, Add</i>	<i>518.00</i>	
		<i>For Deck Clamp Assembly, Add</i>	<i>130.00</i>	
		<i>For Drain Receiver, Add</i>	<i>147.00</i>	
		<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	<i>357.00</i>	
22 14 26 13-0043	EA	15" Diameter Roof Drain With 3" Outlet, Aluminum Dome.....	907.92	175.91
		<i>For Galvanized Iron Parts, Add</i>	<i>518.00</i>	
		<i>For Deck Clamp Assembly, Add</i>	<i>130.00</i>	
		<i>For Drain Receiver, Add</i>	<i>147.00</i>	
		<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	<i>357.00</i>	
22 14 26 13-0044	EA	15" Diameter Roof Drain With 4" Outlet, Aluminum Dome.....	981.21	219.89
		<i>For Galvanized Iron Parts, Add</i>	<i>518.00</i>	
		<i>For Deck Clamp Assembly, Add</i>	<i>130.00</i>	
		<i>For Drain Receiver, Add</i>	<i>147.00</i>	
		<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	<i>357.00</i>	
22 14 26 13-0045	EA	15" Diameter Roof Drain With 6" Outlet, Aluminum Dome.....	1,300.46	292.90
		<i>For Galvanized Iron Parts, Add</i>	<i>518.00</i>	
		<i>For Deck Clamp Assembly, Add</i>	<i>130.00</i>	
		<i>For Drain Receiver, Add</i>	<i>147.00</i>	
		<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	<i>357.00</i>	
22 14 26 13-0046	EA	15" Diameter Roof Drain With 8" Outlet, Aluminum Dome.....	1,501.29	307.85
		<i>For Galvanized Iron Parts, Add</i>	<i>518.00</i>	
		<i>For Deck Clamp Assembly, Add</i>	<i>130.00</i>	
		<i>For Drain Receiver, Add</i>	<i>147.00</i>	
		<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	<i>357.00</i>	
22 14 26 13-0047	EA	15" Diameter Roof Drain With 10" Outlet, Aluminum Dome.....	1,954.02	318.85
		<i>For Galvanized Iron Parts, Add</i>	<i>518.00</i>	
		<i>For Deck Clamp Assembly, Add</i>	<i>130.00</i>	
		<i>For Drain Receiver, Add</i>	<i>147.00</i>	
		<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	<i>357.00</i>	
22 14 26 13-0048 Retrofit Roof Drains <small>(22 14 26 13)</small>				
22 14 26 13-0049 Copolymer Retrofit Roof Drains With Copolymer Strainer Dome <small>(22 14 26 13-0048)</small>				
22 14 26 13-0050	EA	Copolymer Retrofit 3" Roof Drains, With Copolymer Dome.....	582.03	175.91
22 14 26 13-0051	EA	Copolymer Retrofit 4" Roof Drains, With Copolymer Dome.....	663.61	219.89
22 14 26 13-0052	EA	Copolymer Retrofit 5" Roof Drains, With Copolymer Dome.....	806.73	263.87
22 14 26 13-0053	EA	Copolymer Retrofit 6" Roof Drains, With Copolymer Dome.....	876.53	292.90
22 14 26 13-0054 Copolymer Retrofit Roof Drains With Cast Aluminum Strainer Dome <small>(22 14 26 13-0048)</small>				
22 14 26 13-0055	EA	Copolymer Retrofit Drain, 3", With Cast Aluminum Dome.....	656.64	175.91
22 14 26 13-0056	EA	Copolymer Retrofit Drain, 4", With Cast Aluminum Dome.....	734.90	219.89
22 14 26 13-0057	EA	Copolymer Retrofit Drain, 5", With Cast Aluminum Dome.....	883.00	263.87
22 14 26 13-0058	EA	Copolymer Retrofit Drain, 6", With Cast Aluminum Dome.....	929.59	292.90
22 14 26 13-0059 Aluminum Retrofit Roof Drains With Cast Aluminum Strainer Dome <small>(22 14 26 13-0048)</small>				
22 14 26 13-0060	EA	Aluminum Retrofit 3" Roof Drains, With Cast Aluminum Dome.....	585.35	175.91
		<i>For Copolymer Strainer Dome, Deduct</i>	<i>-24.00</i>	
22 14 26 13-0061	EA	Aluminum Retrofit 4" Roof Drains, With Cast Aluminum Dome.....	666.93	219.89
		<i>For Copolymer Strainer Dome, Deduct</i>	<i>-24.00</i>	
22 14 26 13-0062	EA	Aluminum Retrofit 5" Roof Drains, With Cast Aluminum Dome.....	810.05	263.87
		<i>For Copolymer Strainer Dome, Deduct</i>	<i>-24.00</i>	
22 14 26 13-0063	EA	Aluminum Retrofit 6" Roof Drains, With Cast Aluminum Dome.....	853.32	292.90
		<i>For Copolymer Strainer Dome, Deduct</i>	<i>-24.00</i>	
22 14 26 13-0064 Bronze Downspout Nozzles <small>(22 14 26 13)</small>				
22 14 26 13-0065	EA	2" Outlet, Bronze Roof Drain Downspout Nozzle.....	338.10	87.96
22 14 26 13-0066	EA	3" Outlet, Bronze Roof Drain Downspout Nozzle.....	338.10	87.96
22 14 26 13-0067	EA	4" Outlet, Bronze Roof Drain Downspout Nozzle.....	338.10	87.96
22 14 26 13-0068	EA	5" Outlet, Bronze Roof Drain Downspout Nozzle.....	511.91	109.95
22 14 26 13-0069	EA	6" Outlet, Bronze Roof Drain Downspout Nozzle.....	511.91	109.95
22 14 26 13-0070	EA	8" Outlet, Bronze Roof Drain Downspout Nozzle.....	647.86	109.95
22 14 26 16 Facility Area Drains <small>(22 14 26)</small>				
22 14 26 16-0001 Area Drain <small>(22 14 26 16)</small>				
22 14 26 16-0002	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,291.12	105.90
		<i>For Ductile Iron Grate, Add</i>	<i>123.50</i>	
		<i>For Vandal Proof Screws, Add</i>	<i>29.50</i>	
		<i>For Primer Tap, Add</i>	<i>36.00</i>	
		<i>For Galvanized Cast Iron Parts, Add</i>	<i>152.25</i>	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0003	EA		12" x 12" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,313.96	117.33
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0004	EA		12" x 12" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,337.98	129.38
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0005	EA		12" x 12" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,363.01	141.87
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0006	EA		12" x 12" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,408.94	105.90
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0007	EA		12" x 12" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,431.78	117.33
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0008	EA		12" x 12" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,455.80	129.38
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0009	EA		12" x 12" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,480.83	141.87
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0010	EA		12" x 12" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,138.55	105.90
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0011	EA		12" x 12" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,161.39	117.33
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0012	EA		12" x 12" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,185.41	129.38
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0013	EA		12" x 12" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,210.44	141.87
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0014	EA		16" x 16" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	4,622.73	105.90
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0015	EA		16" x 16" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	4,645.57	117.33
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0016	EA		16" x 16" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	4,669.59	129.38
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0017	EA		16" x 16" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	4,694.62	141.87
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	



Plumbing	22	22
Plumbing Piping	22 10	
Facility Storm Drainage	22 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0018	EA		16" x 16" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,255.91	105.90
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0019	EA		16" x 16" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,278.75	117.33
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0020	EA		16" x 16" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,302.77	129.38
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0021	EA		16" x 16" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,327.80	141.87
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0022	EA		16" x 16" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	4,382.14	105.90
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0023	EA		16" x 16" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	4,404.98	117.33
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0024	EA		16" x 16" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	4,429.00	129.38
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0025	EA		16" x 16" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	4,454.03	141.87
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0026	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,019.69	105.90
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0027	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,042.53	117.33
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0028	EA		9" Diameter Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,066.55	129.38
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0029	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	616.74	105.90
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0030	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	639.58	117.33
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0031	EA		9" Diameter Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	663.60	129.38
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0032	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	961.01	105.90
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0033	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	983.85	117.33
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0034	EA		9" Diameter Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,007.87	129.38
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0035	EA		12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	3,079.41	105.90
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26 16-0036	EA		12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	3,102.25	117.33
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	307.50	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0037	EA		12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Nikaloy Top, Heavy Duty Hinged Gate And Removable Medium-Deep Sediment Strainer.....	3,126.27	129.38
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Gate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26 16-0038	EA		12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Cast Iron Top, Heavy Duty Hinged Gate And Removable Medium-Deep Sediment Strainer.....	2,001.63	105.90
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Gate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26 16-0039	EA		12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Cast Iron Top, Heavy Duty Hinged Gate And Removable Medium-Deep Sediment Strainer.....	2,024.47	117.33
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Gate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26 16-0040	EA		12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Cast Iron Top, Heavy Duty Hinged Gate And Removable Medium-Deep Sediment Strainer.....	2,048.49	129.38
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Gate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26 16-0041	EA		12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Bronze Top, Heavy Duty Hinged Gate And Removable Medium-Deep Sediment Strainer.....	2,891.63	105.90
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Gate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26 16-0042	EA		12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Bronze Top, Heavy Duty Hinged Gate And Removable Medium-Deep Sediment Strainer.....	2,914.47	117.33
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Gate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26 16-0043	EA		12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Bronze Top, Heavy Duty Hinged Gate And Removable Medium-Deep Sediment Strainer.....	2,938.49	129.38
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Gate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	307.50	

22 14 26 19 Facility Trench Drains (22 14 26)

22 14 26 19-0001			Trench Drain (22 14 26 19) Note: Each section is 39.4" in length.		
22 14 26 19-0002	EA		6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots.....	800.26	105.90
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Gate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0003	EA		6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots.....	823.10	117.33
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Gate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0004	EA		6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots.....	847.12	129.38
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Gate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0005	EA		6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots.....	496.37	105.90
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Gate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0006	EA		6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots.....	519.21	117.33
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Gate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0007	EA		6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots.....	543.23	129.38
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Gate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0008	EA		6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots.....	758.85	105.90
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Gate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0009	EA		6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots.....	781.69	117.33
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Gate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0010	EA		6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots.....	805.71	129.38
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Gate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0011	EA			6" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots 693.90		52.77
				<i>For Vandal Proof Screws, Add</i> 48.50		
				<i>For Ductile Iron Grate, Add</i> 66.00		
				<i>For Galvanized Cast Iron Parts, Add</i> 98.25		
22 14 26 19-0012	EA			6" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots 390.01		52.77
				<i>For Vandal Proof Screws, Add</i> 48.50		
				<i>For Ductile Iron Grate, Add</i> 66.00		
				<i>For Galvanized Cast Iron Parts, Add</i> 98.25		
22 14 26 19-0013	EA			6" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots 652.49		52.77
				<i>For Vandal Proof Screws, Add</i> 48.50		
				<i>For Ductile Iron Grate, Add</i> 66.00		
				<i>For Galvanized Cast Iron Parts, Add</i> 98.25		
22 14 26 19-0014	EA			12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots 1,255.10		105.90
				<i>For Vandal Proof Screws, Add</i> 48.50		
				<i>For Ductile Iron Grate, Add</i> 181.50		
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i> 38.50		
				<i>For Sediment Bucket, Add</i> 116.00		
				<i>For Galvanized Sediment Bucket, Add</i> 188.50		
				<i>For Galvanized Cast Iron Parts, Add</i> 131.50		
22 14 26 19-0015	EA			12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots 1,277.94		117.33
				<i>For Vandal Proof Screws, Add</i> 48.50		
				<i>For Ductile Iron Grate, Add</i> 181.50		
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i> 38.50		
				<i>For Sediment Bucket, Add</i> 116.00		
				<i>For Galvanized Sediment Bucket, Add</i> 188.50		
				<i>For Galvanized Cast Iron Parts, Add</i> 131.50		
22 14 26 19-0016	EA			12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots 1,301.96		129.38
				<i>For Vandal Proof Screws, Add</i> 48.50		
				<i>For Ductile Iron Grate, Add</i> 181.50		
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i> 38.50		
				<i>For Sediment Bucket, Add</i> 116.00		
				<i>For Galvanized Sediment Bucket, Add</i> 188.50		
				<i>For Galvanized Cast Iron Parts, Add</i> 131.50		
22 14 26 19-0017	EA			12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots 879.07		105.90
				<i>For Vandal Proof Screws, Add</i> 48.50		
				<i>For Ductile Iron Grate, Add</i> 181.50		
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i> 38.50		
				<i>For Sediment Bucket, Add</i> 116.00		
				<i>For Galvanized Sediment Bucket, Add</i> 188.50		
				<i>For Galvanized Cast Iron Parts, Add</i> 131.50		
22 14 26 19-0018	EA			12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots 901.91		117.33
				<i>For Vandal Proof Screws, Add</i> 48.50		
				<i>For Ductile Iron Grate, Add</i> 181.50		
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i> 38.50		
				<i>For Sediment Bucket, Add</i> 116.00		
				<i>For Galvanized Sediment Bucket, Add</i> 188.50		
				<i>For Galvanized Cast Iron Parts, Add</i> 131.50		
22 14 26 19-0019	EA			12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots 925.93		129.38
				<i>For Vandal Proof Screws, Add</i> 48.50		
				<i>For Ductile Iron Grate, Add</i> 181.50		
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i> 38.50		
				<i>For Sediment Bucket, Add</i> 116.00		
				<i>For Galvanized Sediment Bucket, Add</i> 188.50		
				<i>For Galvanized Cast Iron Parts, Add</i> 131.50		
22 14 26 19-0020	EA			12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots 1,203.67		105.90
				<i>For Vandal Proof Screws, Add</i> 48.50		
				<i>For Ductile Iron Grate, Add</i> 181.50		
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i> 38.50		
				<i>For Sediment Bucket, Add</i> 116.00		
				<i>For Galvanized Sediment Bucket, Add</i> 188.50		
				<i>For Galvanized Cast Iron Parts, Add</i> 131.50		
22 14 26 19-0021	EA			12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots 1,226.51		117.33
				<i>For Vandal Proof Screws, Add</i> 48.50		
				<i>For Ductile Iron Grate, Add</i> 181.50		
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i> 38.50		
				<i>For Sediment Bucket, Add</i> 116.00		
				<i>For Galvanized Sediment Bucket, Add</i> 188.50		
				<i>For Galvanized Cast Iron Parts, Add</i> 131.50		
22 14 26 19-0022	EA			12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots 1,250.53		129.38
				<i>For Vandal Proof Screws, Add</i> 48.50		
				<i>For Ductile Iron Grate, Add</i> 181.50		
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i> 38.50		
				<i>For Sediment Bucket, Add</i> 116.00		
				<i>For Galvanized Sediment Bucket, Add</i> 188.50		
				<i>For Galvanized Cast Iron Parts, Add</i> 131.50		

22 Plumbing
22 10 Plumbing Piping
22 14 Facility Storm Drainage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0023	EA		12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,054.73	105.90
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0024	EA		12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,077.57	117.33
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0025	EA		12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,101.59	129.38
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0026	EA		12" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,148.73	52.77
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
22 14 26 19-0027	EA		12" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	772.70	52.77
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
22 14 26 19-0028	EA		12" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,097.30	52.77
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
22 14 26 19-0029	EA		12" Wide Trench Drain x 15" Extension Section, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	948.36	52.77
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	

22 14 29 Sump Pumps (22 14)

See CSI section 22 11 16 00-0000 for pipe extensions into well.

22 14 29 13 Wet-Pit-Mounted, Vertical Sump Pumps (22 14 29)

22 14 29 13-0001 Vertical Mounted Sump Pumps (22 14 29 13)

Note: Mounted on steel support plate and supplied with cast iron strainer, 1750 RPM drip-proof motor, 5' column sections.

22 14 29 13-0002	EA		1 HP Vertical Mounted Cast Iron Sump Pump, 1-1/2" Discharge, Single Stage, 25 GPM 40' Head	3,180.59	247.23
			<i>For Explosion Proof Motor, Add</i>	191.85	
22 14 29 13-0003	EA		1-1/2 HP Vertical Mounted Cast Iron Sump Pump, 2" Discharge, Single Stage, 75 GPM 40' Head	3,406.01	299.24
			<i>For Explosion Proof Motor, Add</i>	213.28	
22 14 29 13-0004	EA		2 HP Vertical Mounted Cast Iron Sump Pump, 2-1/2" Discharge, Single Stage, 100 GPM 40' Head	3,907.59	355.51
			<i>For Explosion Proof Motor, Add</i>	275.54	
22 14 29 13-0005	EA		3 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 150 GPM 40' Head	4,234.68	437.35
			<i>For Explosion Proof Motor, Add</i>	312.27	
22 14 29 13-0006	EA		5 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 200 GPM 40' Head	4,487.38	474.01
			<i>For Explosion Proof Motor, Add</i>	456.16	
22 14 29 13-0007	EA		10 HP Vertical Mounted Cast Iron Sump Pump, 4" Discharge, Single Stage, 300 GPM 70' Head	5,329.10	568.64
			<i>For Explosion Proof Motor, Add</i>	517.39	
22 14 29 13-0008	EA		15 HP Vertical Mounted Cast Iron Sump Pump, 5" Discharge, Single Stage, 500 GPM 70' Head	6,122.97	581.84
			<i>For Explosion Proof Motor, Add</i>	848.04	
22 14 29 13-0009	EA		20 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 800 GPM 70' Head	7,484.73	715.43
			<i>For Explosion Proof Motor, Add</i>	1,125.61	
22 14 29 13-0010	EA		30 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 1,000 GPM 70' Head	8,157.60	834.37
			<i>For Explosion Proof Motor, Add</i>	1,459.32	
22 14 29 13-0011	EA		50 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 1,600 GPM 70' Head	10,807.61	1,001.60
			<i>For Explosion Proof Motor, Add</i>	1,901.19	
22 14 29 13-0012	EA		60 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 2,000 GPM 70' Head	14,634.72	1,112.49
			<i>For Explosion Proof Motor, Add</i>	3,013.54	

22 14 29 13-0013 Extra Column Assemblies (22 14 29 13)

22 14 29 13-0014	EA		1-1/2" Diameter x 5' Long Extra Column Assembly	464.61	
22 14 29 13-0015	EA		2" Diameter x 5' Long Extra Column Assembly	508.40	
22 14 29 13-0016	EA		2-1/2" Diameter x 5' Long Extra Column Assembly	544.22	
22 14 29 13-0017	EA		3" Diameter x 5' Long Extra Column Assembly	667.95	
22 14 29 13-0018	EA		4" Diameter x 5' Long Extra Column Assembly	746.59	
22 14 29 13-0019	EA		5" Diameter x 5' Long Extra Column Assembly	743.67	
22 14 29 13-0020	EA		6" Diameter x 5' Long Extra Column Assembly	853.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 13-0021 EA 8" Diameter x 5' Long Extra Column Assembly	933.80	
22 14 29 13-0022 Float Switch (22 14 29 13)		
22 14 29 13-0023 EA For Float Switch Copper Coated Float, General Purpose.....	554.97	27.71
22 14 29 13-0024 EA For Float Switch Copper Coated Float, Weathertight	580.22	27.71
22 14 29 13-0025 EA For Float Switch Copper Coated Float, Explosion Proof.....	591.87	27.71
22 14 29 13-0026 Support Plate (22 14 29 13)		
22 14 29 13-0027 EA 24" Steel Support Plate, Round Or Square.....	509.55	35.19
22 14 29 13-0028 EA 30" Steel Support Plate, Round Or Square.....	564.26	39.58
22 14 29 13-0029 EA 36" Steel Support Plate, Round Or Square.....	781.99	52.77
22 14 29 13-0030 EA 40" Steel Support Plate, Round Or Square.....	1,128.03	61.57
22 14 29 13-0031 EA 42" Steel Support Plate, Round Or Square.....	1,208.24	63.77
22 14 29 13-0032 EA 48" Steel Support Plate, Round Or Square.....	1,290.98	65.97
22 14 29 13-0033 EA 54" Steel Support Plate, Round Or Square.....	1,642.44	79.17
22 14 29 13-0034 EA 60" Steel Support Plate, Round Or Square.....	2,216.00	87.96
22 14 29 13-0035 EA 72" Steel Support Plate, Round Or Square.....	2,955.94	109.95
22 14 29 13-0036 EA 84" Steel Support Plate, Round Or Square.....	3,563.55	120.94
22 14 29 16 Submersible Sump Pumps (22 14 29)		
Note: Includes 25' of cord with pumps unless otherwise noted.		
22 14 29 16-0001 Submersible Sump Pump With Vortex Impeller (22 14 29 16)		
22 14 29 16-0002 Submersible Sump Pump With Cast Iron Vortex Impeller (22 14 29 16-0001)		
22 14 29 16-0003 EA 1/3 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	307.65	57.34
22 14 29 16-0004 EA 1/3 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	337.92	57.34
22 14 29 16-0005 EA 1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	480.42	60.68
22 14 29 16-0006 EA 1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	515.76	60.68
22 14 29 16-0007 Submersible Sump Pump With Bronze Vortex Impeller (22 14 29 16-0001)		
22 14 29 16-0008 EA 1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	746.38	60.68
22 14 29 16-0009 EA 1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	807.33	60.68
22 14 29 16-0010 EA 1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	850.31	66.89
22 14 29 16-0011 EA 1 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	913.40	66.89
22 14 29 16-0012 EA 1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	958.27	76.45
22 14 29 16-0013 EA 1-1/2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,021.36	76.45
22 14 29 16-0014 EA 2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,038.28	90.78
22 14 29 16-0015 EA 2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,090.28	90.78
22 14 29 16-0016 Submersible Sump Pump With Semi-Open Impeller (22 14 29 16)		
22 14 29 16-0017 EA 1/3 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller.....	729.72	57.34
22 14 29 16-0018 EA 1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller.....	831.63	60.68
22 14 29 16-0019 EA 3/4 HP Manual Submersible Sump Pump, 230 Volt, 1 Or 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller	986.84	64.03
22 14 29 16-0020 EA 1 HP Manual Submersible Sump Pump, 230 Volt, 1 Or 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller	1,042.57	66.89
22 14 29 16-0021 EA 1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Or 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller	1,189.35	76.45
22 14 29 16-0022 EA 2 HP Manual Submersible Sump Pump, 230 Volt, 1 Or 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller	1,385.66	90.78
22 14 29 19 Sump-Pump Basins and Pits (22 14 29)		
See CSI section 22 13 29 33-0000 for basins and pits.		
22 15 General Service Compressed-Air Systems (22 10)		
22 15 13 General Service Compressed-Air Piping (22 15)		
22 15 13 00-0001 Quick Disconnect, Air-Service (22 15 13)		
22 15 13 00-0002 Combination Steel And Brass (22 15 13 00-0001)		
22 15 13 00-0003 EA 1/2" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket.....	43.82	13.38

22 Plumbing**22 10 Plumbing Piping****22 15 General Service Compressed-Air Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0004 EA 3/4" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket.....	48.61	16.24
22 15 13 00-0005 Refrigerated Air Dryers With Ambient Air Filters (22 15 13)		
22 15 13 00-0006 EA 3 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	650.46	72.93
22 15 13 00-0007 EA 5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	740.97	74.95
22 15 13 00-0008 EA 7.5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	946.78	76.99
22 15 13 00-0009 EA 10 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,103.43	81.04
22 15 13 00-0010 EA 15 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,227.44	91.17
22 15 13 00-0011 EA 20 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,362.43	103.73
22 15 13 00-0012 EA 30 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,932.72	131.68
22 15 13 00-0013 EA 40 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,173.00	153.97
22 15 13 00-0014 EA 50 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,362.77	164.51
22 15 13 00-0015 EA 60 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,567.43	182.33
22 15 13 00-0016 EA 75 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,891.94	202.60
22 15 13 00-0017 EA 85 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	3,219.35	222.85
22 15 13 00-0018 EA 100 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	3,386.85	247.16
22 15 13 00-0019 EA 125 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	3,953.42	263.37
22 15 13 00-0020 EA 175 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	4,769.45	273.50
22 15 13 00-0021 EA 200 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	5,638.81	283.63
22 15 13 00-0022 EA 250 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	6,269.73	293.76
22 15 13 00-0023 EA 300 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	6,829.73	303.89
22 15 13 00-0024 EA 400 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	7,635.74	324.15
22 15 13 00-0025 EA 500 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	8,919.38	405.18
22 15 13 00-0026 EA 600 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	11,284.21	486.22
22 15 13 00-0027 EA 800 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	12,567.86	567.26
22 15 13 00-0028 EA 1,000 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	14,789.98	648.30
22 15 13 00-0029 Oil And Water Separator For Air Compressor (22 15 13)		
22 15 13 00-0030 EA 0-60 SCFM Oil/Water Separator.....	612.90	29.64
22 15 13 00-0031 EA 85 SCFM Oil/Water Separator.....	821.98	34.73
22 15 13 00-0032 EA 190 SCFM Oil/Water Separator.....	960.97	39.36
22 15 13 00-0033 EA 245 SCFM Oil/Water Separator.....	1,206.97	46.30
22 15 13 00-0034 EA 320 SCFM Oil/Water Separator.....	1,434.52	55.57
22 15 13 00-0035 EA 700 SCFM Oil/Water Separator.....	2,891.27	115.76
22 15 13 00-0036 Heavy Duty Industrial Pressure Regulator (22 15 13)		
22 15 13 00-0037 EA 3/8" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	101.97	24.31
22 15 13 00-0038 EA 1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	142.68	32.41
22 15 13 00-0039 EA 3/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	246.54	40.52
22 15 13 00-0040 EA 1" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	307.24	60.78
22 15 13 00-0041 EA 1-1/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	432.07	70.90
22 15 13 00-0042 EA 1-1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	452.32	81.04
22 15 13 00-0043 Combination Air System; Filter Regulator Lubricator (22 15 13)		
22 15 13 00-0044 EA 3/8" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter.....	390.93	72.93
22 15 13 00-0045 EA 1/2" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter.....	482.80	97.24
22 15 13 00-0046 Heatless Desiccant Air Dryers (22 15 13)		
22 15 13 00-0047 EA 5 SCFM Heatless Desiccant Air Dryer.....	2,369.83	72.93
22 15 13 00-0048 EA 10 SCFM Heatless Desiccant Air Dryer.....	2,850.65	81.04
22 15 13 00-0049 EA 15 SCFM Heatless Desiccant Air Dryer.....	2,876.96	89.14
22 15 13 00-0050 EA 20 SCFM Heatless Desiccant Air Dryer.....	3,286.22	101.29
22 15 13 00-0051 EA 30 SCFM Heatless Desiccant Air Dryer.....	4,530.43	121.56
22 15 13 00-0052 EA 50 SCFM Heatless Desiccant Air Dryer.....	4,465.87	162.07
22 15 13 00-0053 EA 85 SCFM Heatless Desiccant Air Dryer.....	6,001.47	202.60
22 15 13 00-0054 EA 100 SCFM Heatless Desiccant Air Dryer.....	6,363.33	243.11
22 15 13 00-0055 EA 125 SCFM Heatless Desiccant Air Dryer.....	7,283.96	283.63
22 15 13 00-0056 EA 175 SCFM Heatless Desiccant Air Dryer.....	8,364.46	324.15
22 15 13 00-0057 EA 200 SCFM Heatless Desiccant Air Dryer.....	8,985.38	364.67
22 15 13 00-0058 EA 300 SCFM Heatless Desiccant Air Dryer.....	10,995.28	405.18
22 15 13 00-0059 EA 400 SCFM Heatless Desiccant Air Dryer.....	12,206.84	486.22
22 15 13 00-0060 EA 500 SCFM Heatless Desiccant Air Dryer.....	14,107.49	567.26
22 15 13 00-0061 EA 600 SCFM Heatless Desiccant Air Dryer.....	16,279.15	648.30
22 15 13 00-0062 Air Cooled Aftercoolers (22 15 13)		
22 15 13 00-0063 EA 20 SCFM Air-Cooled Aftercooler.....	591.46	50.65
22 15 13 00-0064 EA 35 SCFM Air-Cooled Aftercooler.....	800.55	60.78
22 15 13 00-0065 EA 43 SCFM Air-Cooled Aftercooler.....	878.48	70.90
22 15 13 00-0066 EA 70 SCFM Air-Cooled Aftercooler.....	1,074.60	81.04
22 15 13 00-0067 EA 125 SCFM Air-Cooled Aftercooler.....	1,501.39	91.17
22 15 13 00-0068 EA 185 SCFM Air-Cooled Aftercooler.....	1,686.01	101.29
22 15 13 00-0069 EA 260 SCFM Air-Cooled Aftercooler.....	3,279.70	121.56
22 15 13 00-0070 EA 365 SCFM Air-Cooled Aftercooler.....	3,425.74	141.82
22 15 13 00-0071 EA 560 SCFM Air-Cooled Aftercooler.....	3,570.63	162.07



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0072 EA 650 SCFM Air-Cooled Aftercooler	4,188.95	182.33
22 15 13 00-0073 EA 750 SCFM Air-Cooled Aftercooler	4,578.90	202.60
22 15 13 00-0074 EA 900 SCFM Air-Cooled Aftercooler	5,252.58	222.85
22 15 13 00-0075 EA 1,100 SCFM Air-Cooled Aftercooler	6,751.99	243.11
22 15 13 00-0076 EA 1,460 SCFM Air-Cooled Aftercooler	7,726.09	263.37
22 15 13 00-0077 EA 1,800 SCFM Air-Cooled Aftercooler	7,975.64	283.63
22 15 13 00-0078 EA 2,500 SCFM Air-Cooled Aftercooler	8,552.44	303.89
22 15 13 00-0079 Compressed Air Coalescing Filters (22 15 13)		
22 15 13 00-0080 1.0 Micron Filter Rated Compressed Air Coalescing Filters (22 15 13 00-0079)		
22 15 13 00-0081 EA 10 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating.....	204.36	30.10
22 15 13 00-0082 EA 20 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating.....	244.72	30.10
22 15 13 00-0083 EA 50 SCFM, 1/2", Coalescing Filter, 1.0 Micron Filter Rating.....	266.96	34.73
22 15 13 00-0084 EA 75 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating.....	307.41	39.82
22 15 13 00-0085 EA 100 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating.....	359.00	43.99
22 15 13 00-0086 EA 140 SCFM, 1", Coalescing Filter, 1.0 Micron Filter Rating.....	406.35	53.25
22 15 13 00-0087 EA 175 SCFM, 1-1/4" Coalescing Filter, 1.0 Micron Filter Rating.....	416.75	57.88
22 15 13 00-0088 EA 250 SCFM, 1-1/2" Coalescing Filter, 1.0 Micron Filter Rating.....	531.03	69.46
22 15 13 00-0089 EA 280 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating.....	681.12	92.61
22 15 13 00-0090 EA 350 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating.....	779.24	104.18
22 15 13 00-0091 0.01 Micron Filter Rated Compressed Air Coalescing Filters (22 15 13 00-0079)		
22 15 13 00-0092 EA 16 SCFM, 3/8" Coalescing Filter, 0.01 Micron Filter Rating.....	250.49	30.10
22 15 13 00-0093 EA 30 SCFM, 1/2" Coalescing Filter, 0.01 Micron Filter Rating.....	271.27	34.73
22 15 13 00-0094 EA 60 SCFM, 3/4" Coalescing Filter, 0.01 Micron Filter Rating.....	311.45	39.82
22 15 13 00-0095 EA 100 SCFM, 1" Coalescing Filter, 0.01 Micron Filter Rating.....	367.07	39.36
22 15 13 00-0096 EA 140 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating.....	415.58	53.25
22 15 13 00-0097 EA 180 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating.....	471.84	57.88
22 15 13 00-0098 EA 250 SCFM, 1-1/2" Coalescing Filter, 0.01 Micron Filter Rating.....	541.40	69.46
22 15 13 00-0099 EA 280 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating.....	698.42	92.61
22 15 13 00-0100 EA 350 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating.....	802.31	104.18
22 15 13 00-0101 Compressed Air Storage Tanks (22 15 13)		
22 15 13 00-0102 Horizontal Compressed Air Storage Tanks (22 15 13 00-0101)		
22 15 13 00-0103 EA 12 Gallon Horizontal Compressed Air Storage Tank, ASME	331.48	64.83
22 15 13 00-0104 EA 15 Gallon Horizontal Compressed Air Storage Tank, ASME	561.15	70.90
22 15 13 00-0105 EA 20 Gallon Horizontal Compressed Air Storage Tank, ASME	594.65	74.55
22 15 13 00-0106 EA 30 Gallon Horizontal Compressed Air Storage Tank, ASME	678.63	81.04
22 15 13 00-0107 EA 60 Gallon Horizontal Compressed Air Storage Tank, ASME	885.27	109.40
22 15 13 00-0108 EA 80 Gallon Horizontal Compressed Air Storage Tank, ASME	1,070.49	121.56
22 15 13 00-0109 EA 120 Gallon Horizontal Compressed Air Storage Tank, ASME	1,612.64	141.82
22 15 13 00-0110 EA 200 Gallon Horizontal Compressed Air Storage Tank, ASME	2,413.19	162.07
22 15 13 00-0111 EA 240 Gallon Horizontal Compressed Air Storage Tank, ASME	2,691.88	172.21
22 15 13 00-0112 EA 325 Gallon Horizontal Compressed Air Storage Tank, ASME	3,902.74	182.33
22 15 13 00-0113 EA 400 Gallon Horizontal Compressed Air Storage Tank, ASME	5,146.54	212.72
22 15 13 00-0114 EA 660 Gallon Horizontal Compressed Air Storage Tank, ASME	7,412.30	253.24
22 15 13 00-0115 Vertical Compressed Air Storage Tanks (22 15 13 00-0101)		
22 15 13 00-0116 EA 10 Gallon Vertical Compressed Air Storage Tank, ASME	522.78	64.83
22 15 13 00-0117 EA 15 Gallon Vertical Compressed Air Storage Tank, ASME	548.04	70.90
22 15 13 00-0118 EA 20 Gallon Vertical Compressed Air Storage Tank, ASME	594.65	74.55
22 15 13 00-0119 EA 30 Gallon Vertical Compressed Air Storage Tank, ASME	704.58	81.04
22 15 13 00-0120 EA 60 Gallon Vertical Compressed Air Storage Tank, ASME	963.11	109.40
22 15 13 00-0121 EA 80 Gallon Vertical Compressed Air Storage Tank, ASME	1,107.97	121.56
22 15 13 00-0122 EA 120 Gallon Vertical Compressed Air Storage Tank, ASME	1,531.13	141.82
22 15 13 00-0123 EA 200 Gallon Vertical Compressed Air Storage Tank, ASME	2,245.20	162.07
22 15 13 00-0124 EA 240 Gallon Vertical Compressed Air Storage Tank, ASME	2,477.74	172.21
22 15 13 00-0125 EA 325 Gallon Vertical Compressed Air Storage Tank, ASME	3,378.59	182.33
22 15 13 00-0126 EA 400 Gallon Vertical Compressed Air Storage Tank, ASME	4,333.06	212.72
22 15 13 00-0127 EA 500 Gallon Vertical Compressed Air Storage Tank, ASME	5,657.76	232.99
22 15 13 00-0128 EA 660 Gallon Vertical Compressed Air Storage Tank, ASME	9,424.36	263.37
22 15 19 General Service Packaged Air Compressors And Receivers (22 15)		
Note: Includes V-belt drive, receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.		
22 15 19 13 General Service Packaged Reciprocating Air Compressors (22 15 19)		
22 15 19 13-0001 Single Stage Compressor (22 15 19 13)		
Note: Includes receiver, reciprocating air cooled, 140 PSIG working pressure, splash lubricated, tank mounted.		
22 15 19 13-0002 EA 1/2 HP 1-Stage Air Compressor, 1.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	1,748.74	287.52
22 15 19 13-0003 EA 3/4 HP 1-Stage Air Compressor, 2.0 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	1,841.17	331.85
22 15 19 13-0004 EA 1 HP 1-Stage Air Compressor, 2.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	2,106.92	391.89
22 15 19 13-0005 EA 2 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	2,394.08	432.42
22 15 19 13-0006 EA 3 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	2,896.18	456.73

22 Plumbing**22 10 Plumbing Piping****22 15 General Service Compressed-Air Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 19 13-0007 EA 3 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	3,087.72	472.93
22 15 19 13-0008 EA 5 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	3,471.57	540.52
22 15 19 13-0009 EA 5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	3,720.55	572.94
22 15 19 13-0010 EA 7.5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure.....	4,446.60	648.63
22 15 19 13-0011 Two Stage Compressor <small>(22 15 19 13)</small>		
Note: With receiver, reciprocating air cooled, discharge pressure 80-200 PSIG, receiver capacity as noted, splash lubricated, tank mounted.		
22 15 19 13-0012 EA 1-1/2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 5.0 ACFM, 80-200 PSIG Discharge Pressure	3,323.81	505.35
22 15 19 13-0013 EA 2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 7.0 ACFM, 80-200 PSIG Discharge Pressure	3,591.48	594.57
22 15 19 13-0014 EA 3 HP 2-Stage Air Compressor, 60 Gallon Receiver, 12 ACFM, 80-200 PSIG Discharge Pressure	3,766.16	648.63
22 15 19 13-0015 EA 5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 15 ACFM, 80-200 PSIG Discharge Pressure	4,355.97	864.84
22 15 19 13-0016 EA 5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 16.5 ACFM, 80-200 PSI Max Discharge Pressure	4,665.91	864.84
22 15 19 13-0017 EA 7.5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 19.8 ACFM, 80-200 PSIG Discharge Pressure	5,077.71	1,081.04
22 15 19 13-0018 EA 7.5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 25.6 ACFM, 80-200 PSI Max Discharge Pressure	5,358.82	1,081.04
22 15 19 13-0019 EA 10 HP 2-Stage Air Compressor, 80 Gallon Receiver, 35.0 ACFM, 80-200 PSI Max Discharge Pressure	6,855.30	1,337.12
22 15 19 13-0020 EA 10 HP 2-Stage Air Compressor, 120 Gallon Receiver, 38 ACFM, 80-200 PSIG Discharge Pressure	7,379.16	1,377.64
22 15 19 13-0021 EA 15 HP 2-Stage Air Compressor, 120 Gallon Receiver, 50 ACFM, 80-200 PSIG Discharge Pressure	7,965.48	1,610.05
22 15 19 13-0022 EA 20 HP 2-Stage Air Compressor, 120 Gallon Receiver, 70 ACFM, 80-200 PSIG Discharge Pressure	11,738.16	1,822.53
22 15 19 13-0023 EA 25 HP 2-Stage Air Compressor, 120 Gallon Receiver, 84.4 ACFM, 175 PSI Max Discharge Pressure	12,654.78	2,059.41
22 15 19 13-0024 EA 30 HP 2-Stage Air Compressor, 120 Gallon Receiver, 97.2 ACFM, 175 PSI Max Discharge Pressure	14,095.81	2,276.10
22 15 19 13-0025 EA 30 HP 2-Stage Air Compressor, 250 Gallon Receiver, 101 ACFM, 175 PSI Max Discharge Pressure	15,342.78	2,494.50
22 15 19 19 General Service Packaged Rotary-Screw Air Compressors <small>(22 15 19)</small>		
22 15 19 19-0001 Rotary Screw Air Compressor, Base Mounted Without Receiver <small>(22 15 19 19)</small>		
Note: Oil flooded.		
22 15 19 19-0002 EA 3 HP, 8.5 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	5,635.03	739.01
22 15 19 19-0003 EA 5 HP, 16.6 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	6,358.66	985.35
22 15 19 19-0004 EA 7.5 HP, 27 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	8,138.97	1,235.39
22 15 19 19-0005 EA 10 HP, 37 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	9,491.82	1,574.33
22 15 19 19-0006 EA 15 HP, 56 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	10,867.03	1,852.15
22 15 19 19-0007 EA 20 HP, 79 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	13,121.63	2,083.68
22 15 19 19-0008 EA 25 HP, 114 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	14,400.28	2,315.20
22 15 19 19-0009 EA 30 HP, 137 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	17,220.00	2,593.02
22 15 19 19-0010 EA 40 HP, 183 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	18,897.59	2,778.24
22 15 19 19-0011 EA 50 HP, 214 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	21,159.30	2,994.01
22 15 19 19-0012 EA 60 HP, 256 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	27,216.73	3,241.28
22 15 19 19-0013 EA 75 HP, 320 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	30,126.88	3,426.50
22 15 19 19-0014 EA 100 HP, 494 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	47,605.15	3,704.32
22 15 19 19-0015 EA 125 HP, 592 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	59,130.88	4,005.30
22 15 19 19-0016 EA 150 HP, 695 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	68,542.05	4,310.90
22 15 19 19-0017 EA 220 HP, 996 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	88,756.83	4,630.40
22 15 19 19-0018 EA 250 HP, 1,000 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	100,703.23	4,926.74
22 15 19 19-0019 Rotary Screw Air Compressor, Base Mounted With Receiver <small>(22 15 19 19)</small>		
Note: Includes receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.		
22 15 19 19-0020 EA 5 HP, 18.5 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated.....	7,060.72	985.35
22 15 19 19-0021 EA 5 HP, 18.5 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated.....	7,475.90	985.35
22 15 19 19-0022 EA 7.5 HP, 28 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	8,469.09	1,235.39
22 15 19 19-0023 EA 7.5 HP, 28 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	8,923.20	1,235.39
22 15 19 19-0024 EA 10 HP, 38 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	9,673.46	1,574.33
22 15 19 19-0025 EA 10 HP, 38 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	10,153.52	1,574.33
22 15 19 19-0026 EA 15 HP, 55 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	11,016.95	1,852.15
22 15 19 19-0027 EA 15 HP, 55 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	11,535.93	1,852.15
22 15 19 19-0028 EA 20 HP, 75 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	18,588.18	2,083.68
22 15 19 19-0029 EA 25 HP, 102 SCFM, 120 gallon receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	20,061.44	2,315.20
22 15 19 19-0030 EA 30 HP, 125 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	21,404.96	2,593.02

22 30 Plumbing Equipment (22)



Plumbing	22	22
Plumbing Equipment	22 30	
Domestic Water Softeners	22 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 31 Domestic Water Softeners (22 30)

22 31 13 Residential Domestic Water Softeners (22 31)

See CSI section 11 30 13 13-0109 for residential water softener.

22 31 16 Commercial Domestic Water Softeners (22 31)

22 31 16 00-0001 Commercial Water Softeners (Watts Pure Water) (22 31 16)

22 31 16 00-0002 Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0001)

22 31 16 00-0003 1" Pipe Connection, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0002)

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0004	EA	30,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111A11)	2,984.86	241.89
22 31 16 00-0005	EA	45,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111B11)	3,120.00	252.87
22 31 16 00-0006	EA	60,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111C11)	3,364.59	263.87
22 31 16 00-0007	EA	90,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111D11)	3,863.46	274.87
22 31 16 00-0008	EA	120,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111E11)	4,115.36	285.87

22 31 16 00-0009 1-1/2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0002)

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0010	EA	60,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121C11)	4,438.76	263.87
22 31 16 00-0011	EA	90,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121D11)	4,667.56	274.87
22 31 16 00-0012	EA	120,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121E11)	4,920.67	285.87
22 31 16 00-0013	EA	150,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121F11)	5,833.14	296.85
22 31 16 00-0014	EA	210,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121G11)	6,476.75	307.85
22 31 16 00-0015	EA	300,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121H11)	7,867.29	318.85

22 31 16 00-0016 2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0002)

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0017	EA	90,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D11)	6,699.10	274.87
22 31 16 00-0018	EA	120,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E11)	6,943.69	285.87
22 31 16 00-0019	EA	150,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F11)	7,858.60	296.85
22 31 16 00-0020	EA	210,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G11)	8,502.20	307.85
22 31 16 00-0021	EA	300,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H11)	9,968.17	318.85
22 31 16 00-0022	EA	450,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I11)	13,117.75	329.84
22 31 16 00-0023	EA	600,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J11)	15,330.64	340.83

22 31 16 00-0024 3" Pipe Connection, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0002)

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0025	EA	300,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H11)	16,079.81	318.85
22 31 16 00-0026	EA	450,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I11)	18,563.98	329.84
22 31 16 00-0027	EA	600,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J11)	20,747.67	340.83
22 31 16 00-0028	EA	900,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K11)	26,096.67	351.83
22 31 16 00-0029	EA	1050,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L11)	28,887.39	362.83

22 31 16 00-0030 Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0001)



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 31 16 00-0031		2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) <small>(22 31 16 00-0030)</small>		
		Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0032	EA	90,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D21)	10,982.29	412.30
22 31 16 00-0033	EA	120,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E21)	11,469.03	428.79
22 31 16 00-0034	EA	150,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F21)	13,045.74	445.29
22 31 16 00-0035	EA	210,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G21)	14,255.06	461.78
22 31 16 00-0036	EA	300,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H21)	17,373.07	478.27
22 31 16 00-0037	EA	450,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I21)	22,970.28	494.76
22 31 16 00-0038	EA	600,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J21)	27,012.81	511.25
22 31 16 00-0039		3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) <small>(22 31 16 00-0030)</small>		
		Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0040	EA	300,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H21)	29,494.18	478.27
22 31 16 00-0041	EA	450,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I21)	33,865.16	494.76
22 31 16 00-0042	EA	600,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J21)	38,042.72	511.25
22 31 16 00-0043	EA	900,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K21)	48,365.99	527.74
22 31 16 00-0044	EA	1,050,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L21)	53,986.33	544.23
22 31 16 00-0045		Twin Alternating, Commercial Water Softeners (Watts Pure Water) <small>(22 31 16 00-0001)</small>		
22 31 16 00-0046		1" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) <small>(22 31 16 00-0045)</small>		
		Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0047	EA	30,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21)	3,939.62	362.83
22 31 16 00-0048	EA	45,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21)	4,198.86	379.32
22 31 16 00-0049	EA	60,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21)	4,573.68	395.81
22 31 16 00-0050	EA	90,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21)	5,467.94	412.30
22 31 16 00-0051	EA	120,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	6,038.62	428.79
22 31 16 00-0052		1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) <small>(22 31 16 00-0045)</small>		
		Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0053	EA	60,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21)	7,606.39	395.81
22 31 16 00-0054	EA	90,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21)	8,018.92	412.30
22 31 16 00-0055	EA	120,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21)	8,626.10	428.79
22 31 16 00-0056	EA	150,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21)	9,858.53	445.29
22 31 16 00-0057	EA	210,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	11,109.22	461.78
22 31 16 00-0058	EA	300,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	13,875.66	478.27

22 32 Domestic Water Filtration Equipment (22 30)

22 32 16 Domestic-Water Freestanding Cartridge Filters (22 32)

22 32 16 00-0001		Commercial Water Filters Housings <small>(22 32 16)</small>		
22 32 16 00-0002		Commercial Multi-Cartridge Stainless Steel Water Filter Housings <small>(22 32 16 00-0001)</small>		
22 32 16 00-0003		Commercial Multi-Cartridge Stainless Steel Water Filter Housings <small>(22 32 16 00-0002)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 32 16 00-0004 EA 25 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X1)	1,547.88	150.48
22 32 16 00-0005 EA 30 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X1)	1,581.98	162.07
22 32 16 00-0006 EA 60 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X2)	1,684.20	173.64
22 32 16 00-0007 EA 90 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X3)	1,861.85	185.21
22 32 16 00-0008 EA 120 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X4)	1,920.29	196.79
22 32 16 00-0009 EA 150 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X4)	2,315.67	208.37
22 32 16 00-0010 EA 250 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X3)	6,360.55	219.94
22 32 16 00-0011 EA 300 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X4)	7,389.73	231.52
22 32 16 00-0012 EA 500 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X3)	9,361.70	243.09
22 32 16 00-0013 EA 600 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X4)	10,378.72	254.67
22 32 16 00-0014 Commercial Water Filter Cartridges (22 32 16 00-0002)		
22 32 16 00-0015 (Depth) Water Filter Cartridges (22 32 16 00-0014)		
22 32 16 00-0016 EA 50 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M50)	8.26	1.85
22 32 16 00-0017 EA 20 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M20)	8.26	1.85
22 32 16 00-0018 EA 10 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M10)	8.26	1.85
22 32 16 00-0019 EA 5 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M5)	7.05	1.85
22 32 16 00-0020 EA 1 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M1)	8.57	1.85
22 32 16 00-0021 EA 50 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M50)	8.57	1.85
22 32 16 00-0022 EA 20 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M20)	9.17	1.85
22 32 16 00-0023 EA 5 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Big Pure Water PWMB20M5)	11.30	1.85
22 32 16 00-0024 EA 1 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M1)	9.17	1.85
22 32 16 00-0025 EA 50 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M50)	10.69	1.85
22 32 16 00-0026 EA 20 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M20)	10.69	1.85
22 32 16 00-0027 EA 5 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M5)	10.69	1.85
22 32 16 00-0028 EA 1 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M1)	11.61	1.85
22 32 16 00-0029 EA 50 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M50)	14.95	1.85
22 32 16 00-0030 EA 20 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M20)	13.74	1.85
22 32 16 00-0031 EA 5 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M5)	13.74	1.85
22 32 16 00-0032 EA 1 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M1)	14.95	1.85
22 32 16 00-0033 Pleated Water Filter Cartridges (22 32 16 00-0014)		
22 32 16 00-0034 EA 50 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M50)	14.04	1.85
22 32 16 00-0035 EA 20 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M20)	14.04	1.85
22 32 16 00-0036 EA 5 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M5)	14.34	1.85
22 32 16 00-0037 EA 1 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1)	15.26	1.85
22 32 16 00-0038 EA 1 Micron Absolute, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1AB)	22.56	1.85
22 32 16 00-0039 EA 50 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M50)	21.64	1.85
22 32 16 00-0040 EA 20 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M20)	21.64	1.85
22 32 16 00-0041 EA 5 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Big Pure Water PWPL20M5)	21.64	1.85
22 32 16 00-0042 EA 1 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1)	28.33	1.85
22 32 16 00-0043 EA 1 Micron Absolute, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1AB)	39.89	1.85
22 32 16 00-0044 EA 50 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M50)	33.50	1.85
22 32 16 00-0045 EA 20 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M20)	46.28	1.85
22 32 16 00-0046 EA 5 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M5)	48.10	1.85
22 32 16 00-0047 EA 1 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M1)	54.18	1.85
22 32 16 00-0048 Commercial Non-Metallic Water Filter Housings (22 32 16 00-0001)		
22 32 16 00-0049 Commercial Non-Metallic Water Filter Housings (22 32 16 00-0048)		
22 32 16 00-0050 EA 150 GPM Max Flow Rate, 1 Cartridge, Commercial Non-Metallic Water Filter Housing (Watts Big Bubba® PWWJCHSG)	1,227.29	138.91
22 32 16 00-0051 Commercial Water Filter Cartridges (22 32 16 00-0048)		
22 32 16 00-0052 Carbon Water Filter Cartridges (22 32 16 00-0051)		
22 32 16 00-0053 EA Activated 26-1/4" Length, Carbon Water Filter Cartridge (Watts Big Bubba® PWWJCAC5)	382.64	1.85
22 32 16 00-0054 (Depth) Water Filter Cartridges (22 32 16 00-0051)		
22 32 16 00-0055 EA 50 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB50)	80.03	1.85
22 32 16 00-0056 EA 20 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB20)	79.43	1.85
22 32 16 00-0057 EA 5 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB5)	79.43	1.85
22 32 16 00-0058 EA 1 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB1)	90.98	1.85
22 32 16 00-0059 Pleated Water Filter Cartridges (22 32 16 00-0051)		

22	Plumbing
22 30	Plumbing Equipment
22 32	Domestic Water Filtration Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 32 16 00-0060	EA		150 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCM150)	210.50	1.85
22 32 16 00-0061	EA		50 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP50)	197.73	1.85
22 32 16 00-0062	EA		20 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP20)	215.37	1.85
22 32 16 00-0063	EA		5 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP5)	225.71	1.85
22 32 16 00-0064	EA		1 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1)	240.31	1.85
22 32 16 00-0065	EA		1 Absolute, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1AB)	260.38	1.85
22 33 Electric Domestic Water Heaters ^(22 30)					
22 33 13 Instantaneous Electric Domestic Water Heaters ^(22 33)					
22 33 13 13 Flow-Control, Instantaneous Electric Domestic Water Heaters ^(22 33 13)					
22 33 13 13-0001 Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters ^(22 33 13 13)					
22 33 13 13-0002	EA		3 To 10 KW Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012, EX48, EX65, EX75, EX95)	337.85	47.77
22 33 13 13-0003	EA		7.2 KW, 0.75 GPM, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch RP7P)	368.73	47.77
22 33 13 16 Thermostat-Control, Instantaneous Electric Domestic Water Heaters ^(22 33 13)					
22 33 13 16-0001 Thermostat Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters ^(22 33 13 16)					
Note: Temperature rise decreases with increased flow rate.					
22 33 13 16-0002	EA		3 To 10 KW Thermostat-Control, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012T, EX48T, EX65T, EX75T, EX95T, EX012240T)	452.78	71.67
22 33 13 16-0003	EA		12 KW, 2.0 GPM, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE12)	487.26	95.56
22 33 13 16-0004	EA		17.25 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE115)	828.29	167.23
22 33 13 16-0005	EA		26.85 KW, 4.0 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE125)	1,221.52	191.12
22 33 13 16-0006	EA		12 KW, 1.6 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 12 Plus)	892.44	95.56
22 33 13 16-0007	EA		14.4 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 15 Plus)	1,225.83	143.33
22 33 13 16-0008	EA		19.2 KW, 2.8 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 20 Plus)	1,367.33	191.12
22 33 13 16-0009	EA		24 KW, 3.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 24 Plus)	1,415.97	191.12
22 33 13 16-0010	EA		28.8 KW, 4.5 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 29 Plus)	1,461.92	191.12
22 33 13 16-0011	EA		36 KW, 4.5 GPM At 55 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 36 Plus)	1,529.48	191.12
22 33 30 Residential, Electric Domestic Water Heaters ^(22 33)					
22 33 30 13 Residential, Small-Capacity Electric Domestic Water Heaters ^(22 33 30)					
22 33 30 13-0001 Small-Capacity, Electric Domestic Water Heaters (A.O. Smith ProMax) ^(22 33 30 13)					
Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.					
22 33 30 13-0002	EA		2 Gallon, Small-Capacity, Electric Domestic Water Heater	657.68	150.50
22 33 30 13-0003	EA		10 Gallon, Small-Capacity, Electric Domestic Water Heater	795.70	160.06
22 33 30 13-0004	EA		20 Gallon, Small-Capacity, Electric Domestic Water Heater	928.95	167.23
22 33 30 16 Residential, Storage Electric Domestic Water Heaters ^(22 33 30)					
22 33 30 16-0001 Electric Domestic Water Heaters (A.O. Smith ProMax) ^(22 33 30 16)					
Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.					
22 33 30 16-0002	EA		30 Gallon, Electric Domestic Water Heater	987.07	167.23
22 33 30 16-0003	EA		40 Gallon, Electric Domestic Water Heater	935.53	172.01
22 33 30 16-0004	EA		50 Gallon, Electric Domestic Water Heater	924.28	176.78
22 33 30 16-0005	EA		55 Gallon, Electric Domestic Water Heater	1,023.08	179.17
22 33 30 16-0006	EA		66 Gallon, Electric Domestic Water Heater	1,449.95	183.95
22 33 30 16-0007	EA		80 Gallon, Electric Domestic Water Heater	1,479.14	191.12
22 33 30 16-0008	EA		120 Gallon, Electric Domestic Water Heater	1,943.24	203.07
22 33 30 16-0009 Low-Boy, Electric Domestic Water Heaters (A.O. Smith ProMax) ^(22 33 30 16)					
Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.					
22 33 30 16-0010	EA		30 Gallon, Low-Boy, Electric Domestic Water Heater	1,053.81	167.23
22 33 30 16-0011	EA		40 Gallon, Low-Boy, Electric Domestic Water Heater	1,009.86	172.01
22 33 30 16-0012	EA		50 Gallon, Low-Boy, Electric Domestic Water Heater	1,066.98	176.78



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 33 30 16-0013	High Efficiency, Electric Domestic Water Heaters (A.O. Smith Conservationist) <small>(22 33 30 16)</small>		
Note: Includes .95 energy factor glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.			
22 33 30 16-0014	EA 40 Gallon, High Efficiency, Electric Domestic Water Heater	1,087.82	172.01
22 33 30 16-0015	EA 50 Gallon, High Efficiency, Electric Domestic Water Heater	1,182.92	176.78
22 33 30 16-0016	EA 66 Gallon, High Efficiency, Electric Domestic Water Heater	1,439.47	183.95
22 33 30 16-0017	EA 80 Gallon, High Efficiency, Electric Domestic Water Heater	1,560.82	191.12

22 33 30 16-0018	Water Heater Accessories <small>(22 33 30 16)</small>		
22 33 30 16-0019	EA 2 Gallon, Expansion Pressure Tank For Water Heaters	81.61	9.55
22 33 30 16-0020	EA 4.4 Gallon, Expansion Pressure Tank For Water Heaters	95.56	9.55
22 33 30 16-0021	EA 7.6 Gallon, Expansion Pressure Tank For Water Heaters	181.71	9.55
22 33 30 16-0022	EA 14 Gallon, Expansion Pressure Tank For Water Heaters	242.34	9.55
22 33 30 16-0023	EA 20" Diameter, 3" Deep, Aluminum Water Heater Drain Pan	46.18	7.17
22 33 30 16-0024	EA 22" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan	50.02	7.17
22 33 30 16-0025	EA 24" Diameter, 3" Deep, Aluminum Water Heater Drain Pan	52.58	7.17
22 33 30 16-0026	EA 26" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan	61.54	7.17
22 33 30 16-0027	EA 22" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	26.93	7.17
22 33 30 16-0028	EA 24" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	28.98	7.17
22 33 30 16-0029	EA 26" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	31.86	7.17
22 33 30 16-0030	EA 28" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	35.56	7.17

22 33 33 Light-Commercial Electric Domestic Water Heaters (22 33)

22 33 33 00-0001	Heavy Duty Electric Commercial Water Heaters (A.O. Smith DSE) <small>(22 33 33)</small>		
Note: Includes glass lined tank, ASME tank construction, drain valve, and temperature and pressure relief valve.			
22 33 33 00-0002	EA 3 KW, 5 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-5-3)	4,660.93	167.23
22 33 33 00-0003	EA 3 KW, 10 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-10-3)	4,843.10	167.23
22 33 33 00-0004	EA 6 KW, 10 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-10-6)	5,040.45	167.23
22 33 33 00-0005	EA 3 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-3)	5,088.23	191.12
22 33 33 00-0006	EA 6 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-6)	5,315.95	191.12
22 33 33 00-0007	EA 9 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-9)	5,680.29	191.12
22 33 33 00-0008	EA 12 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-12)	5,923.18	191.12
22 33 33 00-0009	EA 15 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-15)	6,120.53	191.12
22 33 33 00-0010	EA 18 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-18)	6,333.07	191.12
22 33 33 00-0011	EA 6 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-6)	5,543.66	191.12
22 33 33 00-0012	EA 9 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-9)	5,756.19	191.12
22 33 33 00-0013	EA 12 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-12)	5,999.09	191.12
22 33 33 00-0014	EA 15 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-15)	6,196.44	191.12
22 33 33 00-0015	EA 18 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-18)	6,408.97	191.12
22 33 33 00-0016	EA 24 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-24)	7,972.60	191.12
22 33 33 00-0017	EA 9 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-9)	6,049.10	238.89
22 33 33 00-0018	EA 12 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-12)	6,246.46	238.89
22 33 33 00-0019	EA 15 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-15)	6,489.35	238.89
22 33 33 00-0020	EA 18 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-18)	6,701.88	238.89
22 33 33 00-0021	EA 24 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-24)	8,280.70	238.89
22 33 33 00-0022	EA 30 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-30)	9,009.38	238.89
22 33 33 00-0023	EA 36 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-36)	9,722.88	238.89
22 33 33 00-0024	EA 9 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-9)	6,994.79	286.68
22 33 33 00-0025	EA 12 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-12)	7,192.15	286.68
22 33 33 00-0026	EA 15 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-15)	7,389.50	286.68
22 33 33 00-0027	EA 18 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-18)	7,602.03	286.68
22 33 33 00-0028	EA 24 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-24)	9,226.39	286.68
22 33 33 00-0029	EA 30 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-30)	9,955.07	286.68
22 33 33 00-0030	EA 36 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-36)	10,668.57	286.68
22 33 33 00-0031	EA 45 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-45)	11,958.95	286.68
22 33 33 00-0032	EA 54 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-54)	12,535.82	286.68
22 33 33 00-0033	EA 60 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-60)	14,539.70	286.68
22 33 33 00-0034	EA 75 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-75)	17,120.46	286.68
22 33 33 00-0035	EA 90 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-90)	21,462.19	286.68
22 33 33 00-0036	EA 9 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-9)	7,884.24	382.23
22 33 33 00-0037	EA 12 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-12)	8,111.95	382.23
22 33 33 00-0038	EA 15 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-15)	8,324.48	382.23
22 33 33 00-0039	EA 18 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-18)	8,506.65	382.23
22 33 33 00-0040	EA 24 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-24)	10,115.83	382.23
22 33 33 00-0041	EA 30 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-30)	10,844.51	382.23
22 33 33 00-0042	EA 36 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-36)	11,542.83	382.23
22 33 33 00-0043	EA 45 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-45)	12,863.57	382.23
22 33 33 00-0044	EA 54 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-54)	13,425.26	382.23
22 33 33 00-0045	EA 60 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-60)	15,444.32	382.23
22 33 33 00-0046	EA 75 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-75)	18,040.26	382.23
22 33 33 00-0047	EA 90 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-90)	22,366.81	382.23
22 33 33 00-0048	EA 12 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-12)	8,814.75	430.01
22 33 33 00-0049	EA 15 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-15)	9,027.28	430.01
22 33 33 00-0050	EA 18 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-18)	9,209.45	430.01
22 33 33 00-0051	EA 24 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-24)	10,833.81	430.01
22 33 33 00-0052	EA 30 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-30)	11,486.58	430.01
22 33 33 00-0053	EA 36 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-36)	12,245.63	430.01

22 Plumbing
22 30 Plumbing Equipment
22 33 Electric Domestic Water Heaters



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 33 00-0054 EA 45 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-45)	13,566.37	430.01
22 33 33 00-0055 EA 54 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-54)	14,143.24	430.01
22 33 33 00-0056 EA 60 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-60)	16,040.85	430.01
22 33 33 00-0057 EA 75 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-75)	18,743.05	430.01
22 33 33 00-0058 EA 90 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-90)	23,069.61	430.01
22 33 33 00-0059 EA 15 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-15)	9,912.24	477.79
22 33 33 00-0060 EA 18 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-18)	10,155.13	477.79
22 33 33 00-0061 EA 24 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-24)	11,733.94	477.79
22 33 33 00-0062 EA 30 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-30)	12,462.63	477.79
22 33 33 00-0063 EA 36 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-36)	13,176.13	477.79
22 33 33 00-0064 EA 45 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-45)	14,466.51	477.79
22 33 33 00-0065 EA 54 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-54)	15,058.56	477.79
22 33 33 00-0066 EA 60 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-60)	17,047.26	477.79
22 33 33 00-0067 EA 75 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-75)	19,628.01	477.79
22 33 33 00-0068 EA 90 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-90)	23,984.93	477.79
22 33 33 00-0069 EA 15 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-15)	10,649.87	573.35
22 33 33 00-0070 EA 18 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-18)	10,862.40	573.35
22 33 33 00-0071 EA 24 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-24)	12,441.21	573.35
22 33 33 00-0072 EA 30 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-30)	13,139.54	573.35
22 33 33 00-0073 EA 36 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-36)	13,883.40	573.35
22 33 33 00-0074 EA 45 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-45)	15,173.78	573.35
22 33 33 00-0075 EA 54 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-54)	15,720.29	573.35
22 33 33 00-0076 EA 60 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-60)	17,769.71	573.35
22 33 33 00-0077 EA 75 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-75)	20,365.64	573.35
22 33 33 00-0078 EA 90 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-90)	24,677.02	573.35
22 33 33 00-0079 Standard Duty Electric Commercial Water Heaters (A.O. Smith DEL And DEN) (22 33 33)		
Note: Includes glass lined tank, drain valve, and temperature and pressure relief valve.		
22 33 33 00-0080 EA Up To 2.5 KW, 6 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-6S)	1,275.59	167.23
22 33 33 00-0081 EA Up To 6 KW, 10 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-10S)	1,371.23	167.23
22 33 33 00-0082 EA Up To 6 KW, 20 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-20S)	1,490.36	191.12
22 33 33 00-0083 EA Up To 12 KW, 30 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-30D)	2,583.38	191.12
22 33 33 00-0084 EA Up To 12 KW, 40 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-40D)	2,982.56	238.89
22 33 33 00-0085 EA Up To 12 KW, 50 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-50D)	3,305.84	286.68
22 33 33 00-0086 EA Up To 12 KW, 80 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-80D)	3,953.82	430.01
22 33 33 00-0087 Removal And Reinstallation Of Water Heater (22 33 33)		
Note: Includes storage and cleaning.		
22 33 33 00-0088 EA Removal And Reinstallation Of Water Heater Electric, Up To 82 Gallon	318.53	
22 33 33 00-0089 EA Removal And Reinstallation Of Water Heater Electric, 83 Gallon To 200 Gallon	955.58	
22 34 Fuel-Fired Domestic Water Heaters (22 30)		
22 34 13 Instantaneous, Tankless, Gas Domestic Water Heaters (22 34)		
22 34 13 00-0001 Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13)		
22 34 13 00-0002 Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13 00-0001)		
Note: Includes vent connection. Excludes vent.		
22 34 13 00-0003 EA 4.2 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-42PVN)	1,365.50	191.12
22 34 13 00-0004 EA 5.3 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53PVN)	1,473.29	193.50
22 34 13 00-0005 EA 5.3 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53DVN)	1,613.96	198.29
22 34 13 00-0006 EA 6.6 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-66DVN)	1,876.20	203.07
22 34 13 00-0007 EA 7.4 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74PVN)	2,267.33	215.00
22 34 13 00-0008 EA 7.4 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74DVN)	2,314.15	215.00
22 34 13 00-0009 Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13 00-0001)		
22 34 13 00-0010 EA 5.3 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53XN)	1,468.51	191.12
22 34 13 00-0011 EA 7.4 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74XN)	2,267.33	215.00
22 34 30 Residential Gas Domestic Water Heaters (22 34)		
22 34 30 13 Residential, Atmospheric, Gas Domestic Water Heaters (22 34 30)		
22 34 30 13-0001 Atmospheric, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 13)		
Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 13-0002 EA 30 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-30)	1,036.72	183.95
22 34 30 13-0003 EA 40 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-40)	1,021.01	188.72
22 34 30 13-0004 EA 50 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCVX-50)	1,338.25	193.50
22 34 30 13-0005 EA 65 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-65)	1,444.50	198.29
22 34 30 13-0006 EA 75 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-75)	1,572.89	203.07



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 30 13-0007 EA 100 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-100).....	2,296.97	215.00
22 34 30 16 Residential, Direct-Vent, Gas Domestic Water Heaters (22 34 30)		
22 34 30 16-0001 Direct-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 16)		
Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 16-0002 EA 40 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-40)	1,845.46	188.72
22 34 30 16-0003 EA 50 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-50)	2,096.33	193.50
22 34 30 16-0004 EA 75 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-75)	2,708.27	198.29
22 34 30 19 Residential, Power-Vent, Gas Domestic Water Heaters (22 34 30)		
22 34 30 19-0001 Power-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 19)		
Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 19-0002 EA 40 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-40)	1,682.47	188.72
22 34 30 19-0003 EA 50 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-50)	1,751.48	193.50
22 34 36 Commercial Gas Domestic Water Heaters (22 34)		
22 34 36 13 Commercial, Atmospheric, Gas Domestic Water Heaters (22 34 36)		
22 34 36 13-0001 Gas Fired Commercial Water Heaters (A.O. Smith BTR) (22 34 36 13)		
Note: Includes automatic flue damper, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 13-0002 EA 120 MBH Input, 71 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-120)	4,623.63	286.68
22 34 36 13-0003 EA 154 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-154)	4,943.66	334.45
22 34 36 13-0004 EA 180 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-180)	6,107.87	382.23
22 34 36 13-0005 EA 199 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-199)	5,297.84	382.23
22 34 36 13-0006 EA 199 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200)	6,074.78	382.23
22 34 36 13-0007 EA 199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200A).....	8,075.90	420.45
22 34 36 13-0008 EA 250 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250)	5,899.92	430.01
22 34 36 13-0009 EA 250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250A).....	8,704.67	473.01
22 34 36 13-0010 EA 251 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251)	5,989.69	430.01
22 34 36 13-0011 EA 251 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251A).....	8,309.25	473.01
22 34 36 13-0012 EA 275 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275)	6,651.02	525.57
22 34 36 13-0013 EA 275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275A).....	9,107.26	578.13
22 34 36 13-0014 EA 305 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305)	7,463.23	525.57
22 34 36 13-0015 EA 305 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305A).....	9,160.69	578.13
22 34 36 13-0016 EA 365 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365)	7,238.22	573.35
22 34 36 13-0017 EA 365 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365A).....	10,110.07	630.68
22 34 36 13-0018 EA 390 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400)	9,151.13	573.35
22 34 36 13-0019 EA 390 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400A).....	11,948.22	630.68
22 34 36 13-0020 EA 500 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-500)	11,897.05	621.12
22 34 36 13-0021 EA 150 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151)	5,948.19	334.45
22 34 36 13-0022 EA 150 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151A)	7,126.51	367.90
22 34 36 13-0023 EA 199 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201)	6,193.36	382.23
22 34 36 13-0024 EA 199 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201A)	7,413.31	420.45
22 34 36 13-0025 EA Sidewall Power Vent System For BTR-120 through BTR-200.....	1,546.43	238.89
22 34 36 13-0026 EA Sidewall Power Vent System For BTR-250 through BTR-500.....	1,685.36	238.89
22 34 36 13-0027 Removal And Reinstallation Of Water Heater (22 34 36 13)		
Note: Includes storage and cleaning.		
22 34 36 13-0028 EA Removal And Reinstallation Of Water Heater Gas Fired, Up To 86 Gallon	434.35	
22 34 36 13-0029 EA Removal And Reinstallation Of Water Heater Gas Fired, 87 Gallon To 200 Gallon	1,148.54	
22 34 36 19 Commercial, Power-Vent, Gas Domestic Water Heaters (22 34 36)		
22 34 36 19-0001 Induced Draft Blower Gas Fired Commercial Water Heaters (A.O. Smith BTN) (22 34 36 19)		
Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 19-0002 EA 90 MBH Input, 98 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-100)	3,779.37	286.68
22 34 36 19-0003 EA 120 MBH Input, 71 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-120)	5,371.71	286.68
22 34 36 19-0004 EA 154 MBH Input, 81 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-154)	6,546.65	334.45
22 34 36 19-0005 EA 180 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-180)	6,823.89	382.23
22 34 36 19-0006 EA 199 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-199)	6,855.95	382.23

22 Plumbing**22 30 Plumbing Equipment****22 34 Fuel-Fired Domestic Water Heaters**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 19-0007 EA 199 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200)	7,005.57	382.23
22 34 36 19-0008 EA 199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200A)	8,214.83	420.45
22 34 36 19-0009 EA 250 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250)	7,731.65	430.01
22 34 36 19-0010 EA 250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250A)	9,495.50	473.01
22 34 36 19-0011 EA 275 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275)	8,125.81	525.57
22 34 36 19-0012 EA 275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275A)	9,940.84	578.13
22 34 36 19-0013 EA 310 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310)	8,296.80	525.57
22 34 36 19-0014 EA 310 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310A)	10,047.71	578.13
22 34 36 19-0015 EA 366 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366)	9,300.75	573.35
22 34 36 19-0016 EA 366 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366A)	10,922.27	630.68
22 34 36 19-0017 EA 390 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400)	11,235.08	573.35
22 34 36 19-0018 EA 390 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400A)	12,952.79	630.68

22 34 36 19-0019 Condensing Gas Fired Commercial Water Heaters (A.O. Smith BTX And BTH) (22 34 36 19)

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 36 19-0020 EA 76 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-80)	2,945.79	286.68
22 34 36 19-0021 EA 100 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-100)	3,928.98	286.68
22 34 36 19-0022 EA 120 MBH Input, 60 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120)	4,741.19	286.68
22 34 36 19-0023 EA 120 MBH Input, 60 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120A)	6,807.65	315.34
22 34 36 19-0024 EA 150 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150)	6,974.13	334.45
22 34 36 19-0025 EA 150 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150A)	8,782.98	367.90
22 34 36 19-0026 EA 199 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199)	7,091.06	382.23
22 34 36 19-0027 EA 199 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199A)	9,059.09	420.45
22 34 36 19-0028 EA 250 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250)	8,191.19	430.01
22 34 36 19-0029 EA 250 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250A)	9,955.03	473.01
22 34 36 19-0030 EA 300 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-300A)	13,018.67	578.13
22 34 36 19-0031 EA 399.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-400A)	13,690.18	630.68
22 34 36 19-0032 EA 499.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-500A)	15,740.31	683.24

22 34 36 23 Commercial, High-Efficiency, Gas Domestic Water Heaters (22 34 36)

22 34 36 23-0001 Laars Mighty Therm Gas Fired Domestic Hot Water Skid Package (22 34 36 23)

Note: Includes (2) Laars Mighty Therm boilers, (2) B&G boiler primary pumps (one per boiler), T&P valve, circuit setter, storage tank (sized for 10 minutes buffer based on 50 degree city water supply, and operating set point for the tank at 130 degrees storage), and all necessary accessories for system monitoring such as gauges and thermometers. UL listed and labeled. Excludes piping insulation or seismic calculations.

22 34 36 23-0002 EA 400 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-400)	53,150.85	1,174.40
22 34 36 23-0003 EA 1,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-1000)	64,209.56	1,247.80
22 34 36 23-0004 EA 2,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-2000)	77,955.97	1,321.20
22 34 36 23-0005 EA 3,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-3000)	93,134.03	1,394.60
22 34 36 23-0006 EA 4,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-4000)	97,621.78	1,467.99

22 34 36 23-0007 Laars Mighty Therm Volume Water Heater (22 34 36 23)

22 34 36 23-0008 EA 200 MBH Gas Fired Volume Water Heater (Laars MT2V0200)	6,853.42	682.03
22 34 36 23-0009 EA 300 MBH Gas Fired Volume Water Heater (Laars MT2V0300)	7,447.25	767.29
22 34 36 23-0010 EA 400 MBH Gas Fired Volume Water Heater (Laars MT2V0400)	8,644.25	937.79
22 34 36 23-0011 EA 500 MBH Gas Fired Volume Water Heater (Laars MT2V0500)	12,450.29	1,023.05
22 34 36 23-0012 EA 750 MBH Gas Fired Volume Water Heater (Laars MT2V0750)	13,722.87	1,193.55
22 34 36 23-0013 EA 1,000 MBH Gas Fired Volume Water Heater (Laars MT2V1000)	15,696.73	1,364.06
22 34 36 23-0014 EA 1,250 MBH Gas Fired Volume Water Heater (Laars MT2V1250)	17,351.93	1,534.56
22 34 36 23-0015 EA 1,500 MBH Gas Fired Volume Water Heater (Laars MT2V1500)	20,690.00	1,705.07
22 34 36 23-0016 EA 1,750 MBH Gas Fired Volume Water Heater (Laars MT2V1750)	21,478.07	1,790.32
22 34 36 23-0017 EA 2,000 MBH Gas Fired Volume Water Heater (Laars MT2V2000)	23,022.07	1,875.59

22 34 36 26 Commercial, Coil-Type, Finned-Tube, Gas Domestic Water Heaters (22 34 36)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 34 36 26-001	Laars Rheos+ 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heaters <small>(22 34 36 26)</small>				
22 34 36 26-0002	EA		1,200 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	28,136.25	1,069.08
22 34 36 26-0003	EA		1,600 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	39,766.04	1,181.62
22 34 36 26-0004	EA		2,000 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	43,153.18	1,237.88
22 34 36 26-0005	EA		2,400 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	46,738.93	1,350.42

22 34 36 26-006	Laars Rheos 86% Efficient Gas Fired, Copper Fin Tube LoNox Water Heaters <small>(22 34 36 26)</small>				
22 34 36 26-0007	EA		1,200 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	24,942.82	1,069.08
22 34 36 26-0008	EA		1,600 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	27,555.26	1,181.62
22 34 36 26-0009	EA		2,000 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	30,127.86	1,237.88
22 34 36 26-0010	EA		2,400 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	32,732.98	1,350.42

22 34 36 26-0011	Laars Pennant 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heaters <small>(22 34 36 26)</small>				
22 34 36 26-0012	EA		200 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	6,388.83	506.41
22 34 36 26-0013	EA		300 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	7,028.28	562.67
22 34 36 26-0014	EA		400 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	8,253.45	675.21
22 34 36 26-0015	EA		500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	11,656.71	703.34
22 34 36 26-0016	EA		750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	12,837.67	844.01
22 34 36 26-0017	EA		1,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	15,834.33	1,012.82
22 34 36 26-0018	EA		1,250 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	18,005.18	1,069.08
22 34 36 26-0019	EA		1,500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	19,959.62	1,153.49
22 34 36 26-0020	EA		1,750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	21,790.96	1,209.75
22 34 36 26-0021	EA		2,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	23,391.72	1,237.88

22 34 36 26-0022	Patterson Kelley Thermific Sealed Combustion, Gas Fired, Copper Fin Tube Water Heaters <small>(22 34 36 26)</small>				
22 34 36 26-0023	EA		700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	20,953.77	844.01
22 34 36 26-0024	EA		1,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	23,062.62	1,012.82
22 34 36 26-0025	EA		1,500 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	30,858.83	1,153.49
22 34 36 26-0026	EA		1,700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	31,788.92	1,209.75
22 34 36 26-0027	EA		2,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	33,279.78	1,237.88

22 34 36 26-0028	Patterson Kelley Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Water Heaters <small>(22 34 36 26)</small>				
22 34 36 26-0029	EA		1,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	26,585.78	1,012.82
22 34 36 26-0030	EA		1,500 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	32,165.51	1,153.49
22 34 36 26-0031	EA		2,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	34,133.39	1,237.88

22 34 46 Oil-Fired Domestic Water Heaters (22 34)

22 34 46 11 Standard-capacity, Oil-Fired Domestic Water Heaters (22 34 46)

22 34 46 11-0001	Oil-Fired Domestic Water Heaters (Bock) <small>(22 34 46 11)</small>				
Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.					
22 34 46 11-0002	EA		60 MBH, 20 Gallon, Oil-Fired Domestic Water Heater (Bock 20E)	1,557.39	183.95
22 34 46 11-0003	EA		104 MBH, 32 Gallon, Oil-Fired Domestic Water Heater (Bock 32E)	1,536.50	183.95
22 34 46 11-0004	EA		104 MBH, 33 Gallon, Oil-Fired Domestic Water Heater (Bock 33ES)	1,603.63	183.95
22 34 46 11-0005	EA		125 MBH, 40 Gallon, Oil-Fired Domestic Water Heater (Bock 40E)	1,693.18	188.72
22 34 46 11-0006	EA		140 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 50ES)	2,152.34	193.50
22 34 46 11-0007	EA		152 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 51E)	1,820.41	193.50

22 34 46 11-0008 Oil Fired Commercial Water Heaters (22 34 46 11)

Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.					
22 34 46 11-0009	EA		173 MBH, 68 Gallon, Oil-Fired Commercial Water Heater (Boch 71E)	2,523.74	286.68
22 34 46 11-0010	EA		199 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Boch 72E)	2,960.74	286.68
22 34 46 11-0011	EA		242 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Boch 73E)	2,977.55	286.68
22 34 46 11-0012	EA		190 MBH, 113 Gallon, Oil-Fired Commercial Water Heater (Bock 120E)	4,286.71	382.23
22 34 46 11-0013	EA		415 MBH, 91 Gallon, Oil-Fired Commercial Water Heater (Bock 361E)	5,877.47	477.79
22 34 46 11-0014	EA		623 MBH, 83 Gallon, Oil-Fired Commercial Water Heater (Bock 541E)	7,393.70	525.57

22 35 Domestic Water Heat Exchangers (22 30)

22	Plumbing
22 30	Plumbing Equipment
22 35	Domestic Water Heat Exchangers



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 35 23 **Circulating, Domestic Water Heat Exchangers** (22 35)

22 35 23 13 **Circulating, Compact Domestic Water Heat Exchangers** (22 35 23)

22 35 23 13-0001 **Steam Driven Water Heaters** (22 35 23 13)

22 35 23 13-0002 **Constant Flow** (22 35 23 13-0001)

22 35 23 13-0003	EA	30 GPM, 700 LB/Hour Steam Water Heater, Constant Flow	8,066.19	477.79
22 35 23 13-0004	EA	90 GPM, 1,250 LB/Hour Steam Water Heater, Constant Flow	10,088.15	585.49
22 35 23 13-0005	EA	140 GPM, 2,500 LB/Hour Steam Water Heater, Constant Flow	12,908.36	765.70
22 35 23 13-0006	EA	230 GPM, 5,000 LB/Hour Steam Water Heater, Constant Flow	17,430.42	1,066.52
22 35 23 13-0007	EA	500 GPM, 7,500 LB/Hour Steam Water Heater, Constant Flow	25,498.41	1,756.55
22 35 23 13-0008	EA	900 GPM, 10,000 LB/Hour Steam Water Heater, Constant Flow	27,696.44	1,990.76
22 35 23 13-0009	EA	1,400 GPM, 15,000 LB/Hour Steam Water Heater, Constant Flow	36,726.43	2,297.03
22 35 23 13-0010	EA	2,400 GPM, 20,000 LB/Hour Steam Water Heater, Constant Flow	44,249.55	2,714.71

22 35 23 13-0011 **Variable Flow** (22 35 23 13-0001)

22 35 23 13-0012	EA	30 GPM, 700 LB/Hour Steam Water Heater, Variable Flow	11,895.19	931.70
22 35 23 13-0013	EA	90 GPM, 1,250 LB/Hour Steam Water Heater, Variable Flow	13,383.13	1,137.62
22 35 23 13-0014	EA	140 GPM, 2,500 LB/Hour Steam Water Heater, Variable Flow	17,047.98	1,471.02
22 35 23 13-0015	EA	230 GPM, 5,000 LB/Hour Steam Water Heater, Variable Flow	22,207.97	2,052.40
22 35 23 13-0016	EA	500 GPM, 7,500 LB/Hour Steam Water Heater, Variable Flow	32,693.64	3,432.45
22 35 23 13-0017	EA	900 GPM, 10,000 LB/Hour Steam Water Heater, Variable Flow	40,268.80	3,779.99
22 35 23 13-0018	EA	1,400 GPM, 15,000 LB/Hour Steam Water Heater, Variable Flow	46,591.89	4,423.97
22 35 23 13-0019	EA	2,400 GPM, 20,000 LB/Hour Steam Water Heater, Variable Flow	59,383.99	5,285.32

22 40 **Plumbing Fixtures** (22)

Note: The following Energy Policy Act Flow Rates Requirements superseded flow rates standards listed in section. Plumbing fixtures and trim should not exceed the maximum flow rates set forth in The Energy Policy Act 92. lavatory faucets - 2.5 gal/min, lavatory replacement aerators - 2.5 gal/min, kitchen faucets - 2.5 gal/min, kitchen replacement aerators - 2.5 gal/min, metering faucets - 0.25 gal/cycle, gravity tank-type toilets - 1.6 gal/flush, flushometer tank toilets - 1.6 gal/flush, electromechanical hydraulic toilets - 1.6 gal/flush, blowdown toilets - 3.5 gal/flush, urinals - 1.0 gal/flush.

22 41 **Residential Plumbing Fixtures** (22 40)

22 41 39 **Residential Faucets, Supplies, And Trim** (22 41)

22 41 39 00-0001 **Residential Kitchen Faucets** (22 41 39)

22 41 39 00-0002	EA	Chrome Single Handle Kitchen Faucet (Delta 100LF-WF)	144.29	43.98
22 41 39 00-0003	EA	Chrome Single Handle Kitchen Faucet With Spray (Delta 400LF-WF)	164.51	43.98
22 41 39 00-0004	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray (Delta 300LF-WF)	164.51	43.98
22 41 39 00-0005	EA	Chrome Two Handle Kitchen Faucet, Three Hole Installation 8"Center (Delta 2102LF-LHP+H215)	158.93	43.98
22 41 39 00-0006	EA	Chrome Two Handle Kitchen Faucet With Spray, Three Hole Installation, 8" Center (Delta 2402LF-LHP+H215)	169.79	43.98

22 41 39 00-0007 **Residential Lavatory Faucets** (22 41 39)

22 41 39 00-0008	EA	Chrome Single Acrylic Handle Bath Faucet (Delta 502-DST)	129.10	31.66
		<i>For Faucet With Brass Pop-Up, Add</i>	11.00	
22 41 39 00-0009	EA	Chrome, Single Lever Handle, Lavatory Faucet (Delta 500-WF)	129.10	31.66
		<i>For Faucet With Brass Pop-Up, Add</i>	11.00	
22 41 39 00-0010	EA	Chrome, Two Handle, Bath Faucet With Acrylic Handles (Delta 2502LF)	95.85	31.66
		<i>For Faucet With Brass Pop-Up, Add</i>	16.50	
		<i>For Faucet With Plastic Pop-Up, Add</i>	14.00	

22 41 39 00-0011 **Residential Bath And Shower Faucets** (22 41 39)

22 41 39 00-0012	EA	Single Lever Handle, Chrome Shower Only, Pressure Balanced/Anti-Scald Valve (American Standard T675.501)	167.08	38.17
		<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	25.00	
22 41 39 00-0013	EA	Single Lever Handle, Chrome Bath And Shower, Pressure Balanced/Anti-Scald Valve (American Standard T675.502)	194.73	38.17
		<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	25.00	
22 41 39 00-0014	EA	Two-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3275)	155.02	38.17
		<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	75.00	
		<i>For Faucet With Lever Handles, Add</i>	8.10	
22 41 39 00-0015	EA	Three-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3375)	169.91	38.17
		<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	75.00	
		<i>For Faucet With Lever Handles, Add</i>	8.10	
22 41 39 00-0016	EA	Hand Shower With Hose And 25" Slide Bar (American Standard 1662.602)	186.04	23.89
22 41 39 00-0017	EA	Wall Mount, Hand Shower With Hose (Delta 55011)	156.42	23.89
22 41 39 00-0018	EA	Wall Mount, Hand Shower Unit With Hose (Delta Faucet 62001 DS)	188.97	23.89

22 41 39 00-0019 **Residential Laundry Faucets** (22 41 39)

22 41 39 00-0020	EA	Stream Straightener Nozzle Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2123LF)	112.27	28.09
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22 41 39 00-0021 **Residential Laundry/Wash Basin Faucets** (22 41 39)

22 41 39 00-0022	EA	Hose Thread Spout Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF)	113.11	28.09
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Plumbing	22	22
Plumbing Fixtures	22 40	
Residential Plumbing Fixtures	22 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 41 39 00-0023 EA Hose Thread Spout With Vacuum Breaker Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF+RP12503).....	158.49	30.96
22 41 39 00-0024 Other Residential Faucets (22 41 39)		
22 41 39 00-0025 EA Sillcock, Compact, Brass, IPS Or Copper To Hose.....	30.67	7.17
22 42 Commercial Plumbing Fixtures (22 40)		
Note: Prices are for commercial grade unless otherwise indicated. Includes final connection and all associated trim (seat, supply stop and line, wax seal, valve). Excludes rough-in within the wall and carrier.		
22 42 13 Commercial Water Closets, Urinals, And Bidets (22 42)		
22 42 13 13 Commercial Water Closets (22 42 13)		
22 42 13 13-0001 Vitreous China Water Closets (22 42 13 13)		
Note: With a 2" ball pass.		
22 42 13 13-0002 Floor Mounted Elongated Vitreous China Water Closets (22 42 13 13-0001)		
Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0003 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Madera™).....	558.89	91.47
22 42 13 13-0004 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Colorado).....	552.64	91.47
22 42 13 13-0005 EA Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Priolo®).....	679.76	91.47
22 42 13 13-0006 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Yorkville™).....	899.98	91.47
22 42 13 13-0007 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Cadet™).....	797.86	91.47
22 42 13 13-0008 EA 1 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Compact Cadet™).....	740.20	91.47
22 42 13 13-0009 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet With Concealed Trapway (American Standard Cadet® 3 FloWise® RIGHT HEIGHT®).....	744.17	91.47
22 42 13 13-0010 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Kohler® Wellcome™).....	550.04	91.47
22 42 13 13-0011 EA 1.28 GPF Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Toto® CT705E).....	594.55	91.47
22 42 13 13-0012 Wall Hung Elongated Vitreous China Water Closets (22 42 13 13-0001)		
Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0013 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Aftwall®).....	644.15	112.58
22 42 13 13-0014 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Aftwall® ADA Retrofit).....	818.52	112.58
22 42 13 13-0015 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Glenwall™).....	1,057.49	112.58
22 42 13 13-0016 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Kingston™).....	645.59	112.58
22 42 13 13-0017 EA Flush Valve Type, Blow Out, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Stratton™).....	1,024.99	112.58
22 42 13 13-0018 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT708E Or CT708EV).....	723.13	112.58
22 42 13 13-0019 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn Z5615-BWL).....	602.43	112.58
22 42 13 13-0020 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Sloan ST-2459).....	637.41	112.58
22 42 13 13-0021 Floor Mounted Elongated Handicapped Water Closets (22 42 13 13-0001)		
Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0022 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Madera™ ADA).....	567.53	91.47
22 42 13 13-0023 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Colorado Right Height®).....	582.81	91.47
22 42 13 13-0024 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Right Width™ Right Height®).....	650.19	91.47
22 42 13 13-0025 EA Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Huron).....	733.56	91.47
22 42 13 13-0026 EA Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Priolo® ADA).....	730.08	91.47
22 42 13 13-0027 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Back Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Yorkville™ ADA).....	996.15	91.47
22 42 13 13-0028 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Cadet Right Height™ ADA).....	829.42	91.47
22 42 13 13-0029 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT705ELN).....	636.17	91.47
22 42 13 13-0030 EA 2 Piece Tank Type, High Efficiency Water Closet Floor Mounted, Elongated, (Sterling 402077) With Open-Front Seat (Kohler K-4650).....	681.25	91.47
22 42 13 13-0031 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler Highline™ ADA).....	850.36	91.47

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0032 EA 2 Piece Tank Type, Dual-Flush 1.1 And 1.6 GPF, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Vortens Vienna ELX-DF 3113-3436).....	648.03	91.47
22 42 13 13-0033 EA 2 Piece Tank Type, High Efficiency Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Niagara Stealth™).....	629.28	91.47
22 42 13 13-0034 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn HET Z5667-BWL).....	601.10	91.47
22 42 13 13-0035 Floor Mounted, 10" High Bowl, Children's Height Vitreous China Water Closets (22 42 13 13-0001) Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0036 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Elongated Vitreous China Water Closet (Kohler® Primary™).....	644.78	91.47
22 42 13 13-0037 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™).....	575.15	91.47
22 42 13 13-0038 EA 2 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™).....	683.54	91.47
22 42 13 13-0039 Floor Mounted Round Bowl Vitreous China Water Closets (22 42 13 13-0001)		
22 42 13 13-0040 EA 2 Piece Tank Type, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Toto® CST715) With SoftClose® Seat (Toto® SS113).....	632.00	91.47
22 42 13 13-0041 EA 2 Piece Tank Type, Dual Flush, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Vortens 3208-3412).....	635.67	91.47
22 42 13 13-0042 Stainless Steel Water Closets (22 42 13 13)		
22 42 13 13-0043 EA Wall Hung Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2105-T-1-HS).....	4,319.55	197.91
22 42 13 13-0044 EA Floor Mounted Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2120-T-3-HS).....	4,562.73	197.91
22 42 13 13-0045 Water Closet Carriers (22 42 13 13)		
22 42 13 13-0046 Pipe Grip Adaptor Type, Water Closet Carriers (22 42 13 13-0045) Note: Includes coated cast iron construction, plated hardware and adjustable feet. Excludes waste piping and fittings.		
22 42 13 13-0047 EA Pipe Grip Adaptor Type, Water Closet Carrier.....	411.34	46.45
22 42 13 13-0048 No-Hub, Water Closet Carriers (22 42 13 13-0045) Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13 13-0049 EA Vertical Close With Offset, No-Hub, Single Water Closet Carrier.....	622.42	46.45
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-51.78	
For Positioning Frame, Add	34.87	
For Supply Pipe Support, Add	35.65	
For Vandal Proof Trim, Add	44.08	
For Auxiliary Inlet, Add	151.09	
For Special Duty 500 LB Carrier, Add	245.87	
22 42 13 13-0050 EA Vertical Close On Stack, No-Hub, Single Water Closet Carrier.....	622.42	46.45
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-51.78	
For Positioning Frame, Add	34.87	
For Supply Pipe Support, Add	35.65	
For Vandal Proof Trim, Add	44.08	
For Auxiliary Inlet, Add	151.09	
For Special Duty 500 LB Carrier, Add	245.87	
22 42 13 13-0051 EA Horizontal Adjustable, No-Hub, Single Water Closet Carrier.....	677.31	46.45
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-51.78	
For Positioning Frame, Add	34.87	
For Supply Pipe Support, Add	35.65	
For Vandal Proof Trim, Add	44.08	
For Auxiliary Inlet, Add	151.09	
For Horizontal No Hub Cast Long Barrel, Add	152.47	
For Carrier For Wide Chase Installations, Add	205.36	
For Special Duty 1,000 LB Carrier, Add	245.87	
22 42 13 13-0052 EA Vertical Adjustable On Stack, No-Hub, Single Water Closet Carrier.....	747.67	46.45
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-51.78	
For Positioning Frame, Add	34.87	
For Supply Pipe Support, Add	35.65	
For Vandal Proof Trim, Add	44.08	
For 4" Branch, Add	117.68	
For Auxiliary Inlet, Add	151.09	
For Carrier For Wide Chase Installations, Add	205.36	
For Double 4" Branches, Add	236.13	
For Special Duty 1,000 LB Carrier, Add	245.87	
22 42 13 13-0053 EA Vertical Close With Offset, No-Hub, Double Water Closet (Back To Back) Carrier.....	1,030.90	68.17
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-103.58	
For Positioning Frame, Add	76.34	
For Supply Pipe Support, Add	77.89	
For Vandal Proof Trim, Add	88.15	
For Auxiliary Inlet, Add	164.28	
For Special Duty 500 LB Carrier, Add	491.73	



Plumbing	22	22
Plumbing Fixtures	22 40	
Commercial Plumbing Fixtures	22 42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0054	EA		Vertical Close On Stack, No-Hub, Double Water Closet (Back To Back) Carrier <i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i> <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For Auxiliary Inlet, Add</i> <i>For Special Duty 500 LB Carrier, Add</i>	1,058.74 -103.58 76.34 77.89 88.15 164.28 491.73	68.17
22 42 13 13-0055	EA		Vertical Adjustable On Stack, No-Hub, Double Water Closet (Back To Back) Carrier <i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i> <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For 4" Branch, Add</i> <i>For Auxiliary Inlet, Add</i> <i>For Double 4" Branches, Add</i> <i>For Carrier For Wide Chase Installations, Add</i> <i>For Special Duty 1,000 LB Carrier, Add</i>	1,280.64 -103.58 76.34 77.89 88.15 124.28 164.28 249.32 450.31 491.74	68.17
22 42 13 13-0056	EA		Horizontal Adjustable, No-Hub, Double Water Closet (Back To Back) Carrier <i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i> <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For Horizontal No Hub Cast Long Barrel, Add</i> <i>For Carrier For Wide Chase Installations, Add</i> <i>For Special Duty 1,000 LB Carrier, Add</i>	1,207.96 -103.58 76.34 77.89 88.15 159.07 450.31 491.74	68.17
22 42 13 13-0057			Hub And Spigot, Water Closet Carriers <small>(22 42 13 13-0045)</small> Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13 13-0058	EA		Vertical Close With Offset, Hub And Spigot, Single Water Closet Carrier <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For Hanger Type Closet Adapter, Add</i> <i>For Auxiliary Inlet, Add</i>	622.42 34.87 35.65 44.08 110.56 151.09	46.45
22 42 13 13-0059	EA		Vertical Close On Stack, Hub And Spigot, Single Water Closet Carrier <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For Auxiliary Inlet, Add</i> <i>For Special Duty 500 LB Carrier, Add</i>	622.42 34.87 35.65 44.08 151.09 245.87	46.45
22 42 13 13-0060	EA		Vertical Adjustable On Stack, Hub And Spigot, Single Water Closet Carrier <i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i> <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For 4" Branch, Add</i> <i>For Auxiliary Inlet, Add</i> <i>For Carrier For Wide Chase Installations, Add</i> <i>For Double 4" Branches, Add</i> <i>For Special Duty 1,000 LB Carrier, Add</i>	773.96 -51.78 34.87 35.65 44.08 117.68 151.09 205.36 236.13 245.87	46.45
22 42 13 13-0061	EA		Vertical Close With Offset, Hub And Spigot, Double Water Closet (Back To Back) Carrier <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For Auxiliary Inlet, Add</i> <i>For Hanger Type Closet Adapter, Add</i>	1,030.90 76.34 77.89 88.15 164.28 221.13	68.17
22 42 13 13-0062	EA		Vertical Adjustable On Stack, Hub And Spigot, Double Water Closet (Back To Back) Carrier <i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i> <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For 4" Branch, Add</i> <i>For Auxiliary Inlet, Add</i> <i>For Double 4" Branches, Add</i> <i>For Carrier For Wide Chase Installations, Add</i> <i>For Special Duty 1,000 LB Carrier, Add</i>	1,306.93 -103.58 76.34 77.89 88.15 124.28 164.28 249.32 450.31 491.74	68.17
22 42 13 13-0063			Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Water Closet Carriers <small>(22 42 13 13-0045)</small> Note: Includes coated cast iron construction, plastic fitting adaptor with extension and plated hardware.		
22 42 13 13-0064	EA		Vertical On Stack, Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Single Water Closet Carrier <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For Hanger Type Closet Adapter, Add</i>	487.11 34.87 35.65 44.08 110.56	46.45
22 42 13 13-0065			Institutional Water Closet Carriers <small>(22 42 13 13-0045)</small> Note: Includes coated cast iron construction, ABS extension with integral test cap, buttress feet, plated hardware and neoprene fixture gasket.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0066 EA Vertical On Stack, No-Hub, 90 Degree Institutional, Double Waste Fitting With Vent And Carrier, Water Closet Carrier.....	1,665.68	68.17
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-103.58	
For Positioning Frame, Add	76.34	
For Supply Pipe Support, Add	77.89	
For Vandal Proof Trim, Add	88.15	
For Auxiliary Inlet, Add	164.28	
22 42 13 13-0067 Removal And Reinstallation Of Fixtures And Trim (22 42 13 13)		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 13-0068 EA Removal And Reinstallation Of Wall Hung Water Closet With Tank.....	402.15	
22 42 13 13-0069 EA Removal And Reinstallation Of Wall Hung Water Closet With Flush Valve.....	402.15	
22 42 13 13-0070 EA Removal And Reinstallation Of Floor Mount Water Closet With Tank.....	309.31	
22 42 13 13-0071 EA Removal And Reinstallation Of Floor Mount Water Closet With Flush Valve.....	309.31	
22 42 13 16 Commercial Urinals (22 42 13)		
22 42 13 16-0001 Vitreous China Urinals (22 42 13 16)		
Note: Excludes flush valve unless indicated otherwise.		
22 42 13 16-0002 Wall Hung Urinals (22 42 13 16-0001)		
22 42 13 16-0003 EA Washout, Wall Hung, Vitreous China Urinal (American Standard Maybrook™).....	509.70	94.12
22 42 13 16-0004 EA Washout, Wall Hung, Vitreous China Urinal With Top Spud (American Standard Washbrook®).....	635.54	94.12
22 42 13 16-0005 EA Washout, Wall Hung, Vitreous China Urinal With Back Spud (American Standard Washbrook®).....	661.86	94.12
22 42 13 16-0006 EA Blowout, Wall Hung, Vitreous China Urinal (American Standard Lynbrook™).....	700.51	94.12
22 42 13 16-0007 EA Siphon Jet, Wall Hung, Vitreous China Urinal (American Standard Trimbrook™).....	633.49	94.12
22 42 13 16-0008 EA Siphon Jet, Wall Hung, Vitreous China Urinal (American Standard Allbrook™).....	527.18	94.12
22 42 13 16-0009 EA Washout, Wall Hung, Vitreous China Urinal (Toto® UT447E Or UT447EV).....	651.98	94.12
22 42 13 16-0010 EA Washout, Wall Hung, Vitreous China Urinal (Toto® UT104E Or UT104EV).....	550.28	94.12
22 42 13 16-0011 EA Washout, Wall Hung, Vitreous China Urinal (Zurn Z5798).....	599.70	94.12
22 42 13 16-0012 EA 0.125 To 0.5 GPF, HEU, Washout, Wall Hung, Vitreous China Urinal (Sloan SU-1009-A).....	543.01	94.12
22 42 13 16-0013 EA 1.0 GPF, HEU, Washout, Wall Hung, Vitreous China Urinal (Sloan SU-1006-A).....	540.85	94.12
22 42 13 16-0014 Floor Mounted Urinals (22 42 13 16-0001)		
22 42 13 16-0015 EA Washout, Floor Mounted, Vitreous China Urinal (American Standard Stallbrook™).....	878.12	118.74
22 42 13 16-0016 EA Washout, Floor Mounted, Vitreous China Urinal (Kohler® Branham™).....	1,009.36	118.74
22 42 13 16-0017 EA Floor Mounted Urinal Seam Cover For 21" Centers (Kohler® K-4931).....	302.11	21.99
22 42 13 16-0018 EA Floor Mounted Urinal Seam Cover For 24" Centers (Kohler® K-4932).....	344.13	21.99
22 42 13 16-0019 Waterfree Urinals (22 42 13 16-0001)		
22 42 13 16-0020 EA Waterfree, Wall Hung, Vitreous China Urinal (American Standard Large FloWise® Flush-Free).....	598.09	65.97
For Colored Fixtures, Add	66.90	
For >1, Deduct	-43.11	
22 42 13 16-0021 EA Waterfree, Wall Hung, Vitreous China Urinal (SLOAN WES-1000).....	742.24	65.97
For Colored Fixtures, Add	66.90	
For >1, Deduct	-59.55	
22 42 13 16-0022 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-2000).....	649.47	65.97
For Colored Fixtures, Add	66.90	
For >1, Deduct	-48.97	
22 42 13 16-0023 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-4000).....	515.27	65.97
For Colored Fixtures, Add	66.90	
For >1, Deduct	-33.67	
22 42 13 16-0024 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-5000).....	515.27	65.97
For Colored Fixtures, Add	66.90	
For >1, Deduct	-33.67	
22 42 13 16-0025 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-7000).....	620.72	65.97
For Colored Fixtures, Add	66.90	
For >1, Deduct	-45.69	
22 42 13 16-0026 EA Waterfree, Wall Hung, Stainless Steel Urinal (Falcon F-9000).....	902.63	65.97
For >1, Deduct	-77.83	
22 42 13 16-0027 Stainless Steel Urinals (22 42 13 16)		
22 42 13 16-0028 EA Wall Hung Urinal, Stainless Steel, Blowout Jet (Acorn 2160-T-1).....	4,456.34	197.91
22 42 13 16-0029 EA 5' Wall Hung Trough Urinal, Stainless Steel With Strainer And Washdown Pipe (Elkay EU6014C).....	5,793.15	241.89
22 42 13 16-0030 Urinal Carriers (22 42 13 16)		
22 42 13 16-0031 Floor Mounted, Urinal Carriers (22 42 13 16-0030)		
Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 13 16-0032 EA Floor Mounted Hanger Plate Type, Single Urinal Carrier.....	354.86	33.43
For Up To 4" Extension Sleeves And Hardware, Add	16.23	
22 42 13 16-0033 EA Floor Mounted Bearing Plate Type, Single Urinal Carrier.....	384.24	33.43
For Up To 4" Extension Sleeves And Hardware, Add	16.23	
22 42 13 16-0034 Wall Mounted, Urinal Carriers (22 42 13 16-0030)		
Note: Includes wall plate and adjustable supporting rods.		



Plumbing	22	22
Plumbing Fixtures	22 40	
Commercial Plumbing Fixtures	22 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 16-0035 EA Wall Mounted Hanger Plate Type, Single Urinal Carrier <i>For Up To 6-1/2" Extension Sleeves And Hardware, Add</i>	171.61 16.23	33.43
22 42 13 16-0036 Removal And Reinstallation Of Fixtures And Trim <small>(22 42 13 16)</small> Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 16-0037 EA Removal And Reinstallation Of Wall Hung Urinal With Flush Valve	400.69	
22 42 16 Commercial Lavatories And Sinks <small>(22 42)</small>		
22 42 16 13 Commercial Lavatories <small>(22 42 16)</small>		
22 42 16 13-0001 Lavatories <small>(22 42 16 13)</small> Note: Includes trap, drain and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.		
22 42 16 13-0002 Wall Hung Lavatories <small>(22 42 16 13-0001)</small>		
22 42 16 13-0003 EA 19" x 17" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)	486.04	58.93
22 42 16 13-0004 EA 20" x 18" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)	509.01	58.93
22 42 16 13-0005 EA 22" x 19" Porcelain Enameled Cast Iron Wall Hung Lavatory (Kohler® Hampton™)	654.01	58.93
22 42 16 13-0006 EA 18" x 16" Vitreous China Wall Hung Lavatory (American Standard Penlyn™)	444.17	58.93
22 42 16 13-0007 EA 19" x 17" Vitreous China Wall Hung Lavatory (American Standard Declyn™)	380.00	58.93
22 42 16 13-0008 EA 20" x 18" Vitreous China Wall Hung Lavatory (Kohler® Soho®)	485.67	58.93
22 42 16 13-0009 EA 20" x 18" Vitreous China Wall Hung Lavatory (American Standard Roxalyn™)	454.97	58.93
22 42 16 13-0010 EA 20" x 18" Vitreous China Wall Hung Lavatory (American Standard Lucerne™)	398.91	58.93
22 42 16 13-0011 EA 27" x 20" Wheelchair Accessible, Vitreous China Wall Hung Lavatory (American Standard Wheel Chair Users)	575.88	58.93
22 42 16 13-0012 Countertop Lavatories <small>(22 42 16 13-0001)</small>		
22 42 16 13-0013 EA 20" x 18" Oval Vitreous China Countertop Lavatory (Kohler® Pennington®)	440.17	71.25
22 42 16 13-0014 EA 21" x 18" Vitreous China Countertop Lavatory (American Standard Cadet™ Oval)	448.87	71.25
22 42 16 13-0015 EA 19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Farmington™)	473.09	71.25
22 42 16 13-0016 EA 19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Ellington™)	498.89	71.25
22 42 16 13-0017 EA 24" x 18" Enameled Cast Iron Countertop Lavatory (Kohler® Thoreau®)	643.73	76.96
22 42 16 13-0018 Undercounter Lavatories <small>(22 42 16 13-0001)</small>		
22 42 16 13-0019 EA 15" x 12" Vitreous China Undercounter Lavatory (American Standard Ovalyn™)	442.04	71.25
22 42 16 13-0020 EA 17" x 14" Vitreous China Undercounter Lavatory (American Standard Ovalyn™)	413.27	71.25
22 42 16 13-0021 EA 19" x 16" Vitreous China Undercounter Lavatory (American Standard Ovalyn™)	413.27	71.25
22 42 16 13-0022 EA 21" x 17" Vitreous China Undercounter Lavatory (American Standard Ovalyn™)	448.17	71.25
22 42 16 13-0023 EA 15" x 12" Oval Vitreous China Undercounter Lavatory (Kohler® Caxton®)	426.51	71.25
22 42 16 13-0024 EA 17" x 14" Oval Vitreous China Undercounter Lavatory (Kohler® Caxton®)	421.21	71.25
22 42 16 13-0025 EA 19" x 15" Oval Vitreous China Undercounter Lavatory (Kohler® Caxton®)	426.61	71.25
22 42 16 13-0026 EA 18" x 12" Rectangular Vitreous China Undercounter Lavatory (Kohler® Ladena®)	545.74	71.25
22 42 16 13-0027 EA 21" x 14" Rectangular Vitreous China Undercounter Lavatory (Kohler® Ladena®)	545.74	71.25
22 42 16 13-0028 Pedestal Lavatories <small>(22 42 16 13-0001)</small>		
22 42 16 13-0029 EA 19" x 24" x 35" High Vitreous China Pedestal Sink (American Standard Cadet™)	581.36	169.32
22 42 16 13-0030 Pre-Molded Culture Marble Lavatory Vanity <small>(22 42 16 13-0001)</small> Note: Includes splash. Single sink, center or offset. Bowl is either oval, shell shape or rectangular.		
22 42 16 13-0031 EA 24" x 18" Pre-Molded Culture Marble Vanity Top With Lavatory <i>For Colored Fixtures, Add</i>	258.48 36.71	65.97
22 42 16 13-0032 EA 30" x 18" Pre-Molded Culture Marble Vanity Top With Lavatory <i>For Colored Fixtures, Add</i>	282.60 41.15	70.36
22 42 16 13-0033 EA 36" x 18" Pre-Molded Culture Marble Vanity Top With Lavatory <i>For Colored Fixtures, Add</i>	303.19 44.57	74.76
22 42 16 13-0034 EA 25" x 19" Pre-Molded Culture Marble Vanity Top With Lavatory <i>For Colored Fixtures, Add</i>	264.38 38.42	65.97
22 42 16 13-0035 EA 31" x 19" Pre-Molded Culture Marble Vanity Top With Lavatory <i>For Colored Fixtures, Add</i>	286.12 42.18	70.36
22 42 16 13-0036 EA 37" x 19" Pre-Molded Culture Marble Vanity Top With Lavatory <i>For Colored Fixtures, Add</i>	305.54 45.25	74.76
22 42 16 13-0037 EA 43" x 19" Pre-Molded Culture Marble Vanity Top With Lavatory <i>For Colored Fixtures, Add</i>	339.41 53.80	76.96
22 42 16 13-0038 EA 49" x 19" Pre-Molded Culture Marble Vanity Top With Lavatory <i>For Colored Fixtures, Add</i>	367.42 60.64	79.17
22 42 16 13-0039 EA 25" x 22" Pre-Molded Culture Marble Vanity Top With Lavatory <i>For Colored Fixtures, Add</i>	287.96 45.25	65.97
22 42 16 13-0040 EA 31" x 22" Pre-Molded Culture Marble Vanity Top With Lavatory <i>For Colored Fixtures, Add</i>	326.21 53.80	70.36
22 42 16 13-0041 EA 37" x 22" Pre-Molded Culture Marble Vanity Top With Lavatory <i>For Colored Fixtures, Add</i>	346.81 57.22	74.76
22 42 16 13-0042 EA 43" x 22" Pre-Molded Culture Marble Vanity Top With Lavatory <i>For Colored Fixtures, Add</i>	370.06 62.69	76.96
22 42 16 13-0043 EA 49" x 22" Pre-Molded Culture Marble Vanity Top With Lavatory <i>For Colored Fixtures, Add</i>	391.00 67.48	79.17
22 42 16 13-0044 EA 55" x 22" Pre-Molded Culture Marble Vanity Top With Lavatory <i>For Colored Fixtures, Add</i>	418.66 72.95	83.56

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
22 42 16 13-0045		Stainless Steel Lavatories (22 42 16 13-0001)			
22 42 16 13-0046	EA	18" x 15" Wall Mounted Lavatory, Stainless Steel (Acorn 1950-1).....	2,162.51		153.93
22 42 16 13-0047		Solid Surface Multi-Station Lavatory Systems (22 42 16 13-0001)			
		Note: ADA compliant. Includes integral faucets.			
22 42 16 13-0048	EA	2 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-2)	3,867.96		122.52
		For Integral Liquid Soap Dispenser, Add	171.00		
		For Integral Photovoltaic Power Panels, Add	563.00		
22 42 16 13-0049	EA	3 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-3)	5,646.70		122.52
		For Integral Liquid Soap Dispenser, Add	171.00		
		For Integral Photovoltaic Power Panels, Add	657.00		
22 42 16 13-0050	EA	12" Length, Solid Surface Countertop Extension (Bradley MG-EXT-12)	275.14		40.84
22 42 16 13-0051	EA	18" Length, Solid Surface Countertop Extension (Bradley MG-EXT-18)	336.31		40.84
22 42 16 13-0052	EA	36" Length, Solid Surface Countertop Extension (Bradley MG-EXT-36)	647.84		40.84
22 42 16 13-0053		Lavatory Carriers (22 42 16 13)			
22 42 16 13-0054		Floor Mounted, Lavatory Carriers (22 42 16 13-0053)			
22 42 16 13-0055		Floor Mounted Plate Type, Lavatory Carriers (22 42 16 13-0054)			
		Note: Includes adjustable supporting rods, structural uprights and welded feet.			
22 42 16 13-0056	EA	Floor Mounted Hanger Plate Type, Single Lavatory Carrier	354.86		33.43
		For Up To 4" Extension Sleeves And Hardware, Add	16.23		
		For Valve Plate For Attaching To Upright, Add	59.68		
		For Corner Carrier, Add	116.28		
22 42 16 13-0057	EA	Floor Mounted Bearing Plate Type, Single Lavatory Carrier	384.24		33.43
		For Up To 4" Extension Sleeves And Hardware, Add	16.23		
		For Valve Plate For Attaching To Upright, Add	59.68		
22 42 16 13-0058	EA	Floor Mounted Hanger Plate Type, Double Lavatory (Back To Back) Carrier	436.04		33.43
		For Up To 4" Extension Sleeves And Hardware, Add	32.47		
		For Valve Plate For Attaching To Upright, Add	119.37		
22 42 16 13-0059	EA	Floor Mounted Bearing Plate Type, Double Lavatory (Back To Back) Carrier	495.57		33.43
		For Up To 4" Extension Sleeves And Hardware, Add	32.47		
		For Valve Plate For Attaching To Upright, Add	119.37		
22 42 16 13-0060		Floor Mounted, Lavatory Carriers With Arms (22 42 16 13-0054)			
		Note: Includes leveling and securing screws, structural uprights and welded feet.			
22 42 16 13-0061	EA	Floor Mounted, Single Lavatory Carrier With Concealed Arms	453.63		39.58
		For Up To 6-1/2" Extension Sleeves And Hardware, Add	16.23		
		For Concealed Arm Carrier For Wheelchair Lavatory, Add	22.43		
		For Valve Plate For Attaching To Upright, Add	61.44		
		For 2" Chrome Plated Escutcheons, Add	54.89		
		For 4" Or 6" Chrome Plated Escutcheons, Add	99.74		
22 42 16 13-0062	EA	Floor Mounted, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms	595.89		39.58
		For Up To 4-1/2" Extension Sleeves And Hardware, Add	16.23		
		For Vandal Proof Trim, Add	44.08		
		For Valve Plate For Attaching To Upright, Add	61.44		
		For Heavy Duty Carrier, Add	56.44		
22 42 16 13-0063	EA	Floor Mounted, Double Lavatory (Back To Back) Carrier With Concealed Arms	595.12		39.58
		For Up To 6-1/2" Extension Sleeves And Hardware, Add	32.47		
		For Concealed Arm Carrier For Wheelchair Lavatory, Add	44.85		
		For Valve Plate For Attaching To Upright, Add	122.88		
		For 2" Chrome Plated Escutcheons, Add	109.79		
		For 4" Or 6" Chrome Plated Escutcheons, Add	199.48		
22 42 16 13-0064	EA	Floor Mounted, Double Lavatory (Back To Back) Carrier With Exposed Acid Resistant White Coated Arms	867.28		39.58
		For Up To 4-1/2" Extension Sleeves And Hardware, Add	32.47		
		For Vandal Proof Trim, Add	88.15		
		For Valve Plate For Attaching To Upright, Add	122.88		
		For Heavy Duty Carrier, Add	112.88		
22 42 16 13-0065		Wall Mounted, Lavatory Carriers (22 42 16 13-0053)			
22 42 16 13-0066		Wall Mounted Plate Type, Lavatory Carriers (22 42 16 13-0065)			
		Note: Includes wall plate and adjustable supporting rods.			
22 42 16 13-0067	EA	Wall Mounted Hanger Plate Type, Single Lavatory Carrier	171.61		33.43
		For Double Plate Carrier, Add	47.77		
22 42 16 13-0068		Wall Mounted Plate Type, Lavatory Carriers With Arms (22 42 16 13-0065)			
		Note: Includes wall plate and leveling and securing screws.			
22 42 16 13-0069	EA	Wall Mounted Fixed Steel Plate Type, Single Lavatory Carrier With Concealed Arms	273.48		39.58
		For Up To 4" Extension Sleeves And Hardware, Add	16.23		
		For 2" Chrome Plated Escutcheons, Add	54.89		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13-0070 EA Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Concealed Arms <i>For Movable Mounting Brackets, Deduct</i> <i>For Up To 4" Extension Sleeves And Hardware, Add</i> <i>For 2" Chrome Plated Escutcheons, Add</i> <i>For 4" Or 6" Chrome Plated Escutcheons, Add</i>	316.78 -41.74 16.23 54.89 99.74	39.58
22 42 16 13-0071 EA Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms..... <i>For Up To 4-1/2" Extension Sleeves And Hardware, Add</i> <i>For Vandal Proof Trim, Add</i>	450.54 16.23 44.08	39.58
22 42 16 13-0072 Removal And Reinstallation Of Lavatory And Trim <small>(22 42 16 13)</small> Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 16 13-0073 EA Removal And Reinstallation Of Wall Hung Lavatory With Faucet.....	258.70	
22 42 16 16 Commercial Sinks <small>(22 42 16)</small>		
22 42 16 16-0001 Sinks <small>(22 42 16 16)</small> Note: Includes drain, trap and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.		
22 42 16 16-0002 Kitchen Sinks <small>(22 42 16 16-0001)</small>		
22 42 16 16-0003 EA 25" x 22" x 8-3/4" Enameled Cast Iron Kitchen Sink, Single Bowl (Kohler® Mayfield®).....	642.68	82.68
22 42 16 16-0004 EA 22" x 33" x 9-5/8" Enameled Cast Iron Kitchen Sink, Double Bowl (Kohler® Brookfield®).....	859.11	94.12
22 42 16 16-0005 EA 15" x 17" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1517)..... <i>For 18 Gauge, Add</i>	1,009.00 339.58	80.92
22 42 16 16-0006 EA 17" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1722)..... <i>For 18 Gauge, Add</i>	1,042.95 356.56	80.92
22 42 16 16-0007 EA 22" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2222)..... <i>For 18 Gauge, Add</i>	1,119.32 394.74	80.92
22 42 16 16-0008 EA 25" x 22" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2522)..... <i>For 18 Gauge, Add</i>	1,180.79 420.20	82.68
22 42 16 16-0009 EA 31" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR3122)..... <i>For 18 Gauge, Add</i>	1,548.14 587.09	94.12
22 42 16 16-0010 EA 33" x 21" x 7-1/2" Stainless Steel Kitchen Sink, Double Bowl, 20 Gauge (Elkay PSR3321)..... <i>For 18 Gauge, Add</i>	1,588.87 607.29	94.12
22 42 16 16-0011 EA 33" x 22" x 8" Stainless Steel Kitchen Sink, Double Bowl, 18 Gauge (Elkay LR3322).....	2,130.55	94.12
22 42 16 16-0012 EA 15" x 17" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR151710).....	1,559.17	80.92
22 42 16 16-0013 EA 17" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR172210).....	1,597.36	80.92
22 42 16 16-0014 EA 22" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR222210).....	1,693.53	80.92
22 42 16 16-0015 EA 25" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR252210).....	1,815.81	82.68
22 42 16 16-0016 EA 31" x 22" x 11-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR312210).....	2,239.75	94.12
22 42 16 16-0017 Undermount Kitchen Sinks <small>(22 42 16 16-0001)</small>		
22 42 16 16-0018 EA 21" x 15" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU2115) With Strainer (Elkay LK99).....	1,355.40	80.92
22 42 16 16-0019 EA 21" x 15" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU211510) With Strainer (Elkay LK99).....	1,351.27	80.92
22 42 16 16-0020 EA 21" x 15" x 7-1/2" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH2115) With Strainer (Elkay LK99).....	1,369.54	80.92
22 42 16 16-0021 EA 21" x 15" x 10" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH211510) With Strainer (Elkay LK99).....	1,465.72	80.92
22 42 16 16-0022 EA 21" x 15-3/4" x 4-3/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHAD2115) With Strainer (Elkay LK99)..... Note: Available in 4-1/2", 5, or 5-1/2" depths.	1,404.90	80.92
22 42 16 16-0023 EA 25" x 20-1/2" x 7-7/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHF2520) With Strainer (Elkay LK99).....	1,651.40	80.92
22 42 16 16-0024 EA 32" x 20-1/2" x 7-7/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHF3320) With Strainer (Elkay LK99).....	2,019.93	80.92
22 42 16 16-0025 EA 21" x 18" x 5-1/2" Deep, Single Compartment Stainless Steel Sink, Undermount, 18 Gauge (Just Manufacturing Co. US-ADA-1821-A).....	1,048.94	80.92
22 42 16 16-0026 EA 32" x 18" x 5-1/2" Deep, Two Compartment Stainless Steel Sink, Undermount, 18 Gauge (Just Manufacturing Co. UD-ADA-1832-A).....	1,462.74	80.92
22 42 16 16-0027 Multi-Station Wash Sink, Wall Mounted <small>(22 42 16 16-0001)</small> Note: Includes concealed wall hanger, soap dish(s), strainer, supply lines and P-Trap. Excludes faucets.		
22 42 16 16-0028 EA 36" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™).....	1,787.92	142.93
22 42 16 16-0029 EA 48" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™)..... Note: Excludes faucets.	2,403.59	153.93
22 42 16 16-0030 EA 60" Wide, 3 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™)..... Note: Excludes faucets.	2,768.00	164.92
22 42 16 16-0031 EA 48" Wide, 2 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951)..... Note: Excludes faucets.	3,055.61	109.95
22 42 16 16-0032 EA 62" Wide, 3 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951)..... Note: Excludes faucets.	3,402.29	120.94
22 42 16 16-0033 EA 80" Wide, 4 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951)..... Note: Excludes faucets.	3,741.38	131.94
22 42 16 16-0034 EA 102" Wide, 5 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951)..... Note: Excludes faucets.	4,151.86	148.43
22 42 16 16-0035 EA 27" Diameter, 2 Person, Stainless Steel, Sensor Operated Compact Wash Fountain..... Note: Includes sensor operated spray heads.	4,125.32	241.89

22 Plumbing
22 40 Plumbing Fixtures
22 42 Commercial Plumbing Fixtures



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 42 16 16-0036			Utility Or Laundry Sinks <small>(22 42 16 16-0001)</small>		
22 42 16 16-0037	EA		23" x 21" Molded Stone Single Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FL-1).....	577.18	94.12
22 42 16 16-0038	EA		40" x 24" Molded Stone Double Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FLTD-II).....	674.98	94.12
22 42 16 16-0039	EA		22" x 17" Molded Stone Single Laundry Sink, Drop-In (Fiat Products DL1).....	575.34	94.12
22 42 16 16-0040	EA		24" x 21" Enameled Cast Iron Single Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2210).....	920.99	94.12
22 42 16 16-0041	EA		48" x 21" Enameled Cast Iron Double Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2220).....	1,334.38	105.55

22 42 16 16-0042			Refinish Sink/Lavatory <small>(22 42 16 16-0001)</small>		
22 42 16 16-0043	EA		Refinish Sink/Lavatory.....	206.74	

22 42 16 16-0044			Service Sinks <small>(22 42 16 16-0001)</small>		
22 42 16 16-0045	EA		22" x 18" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Lakewell™).....	918.29	141.61
22 42 16 16-0046	EA		24" x 20" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Akron™).....	971.63	141.61
22 42 16 16-0047	EA		28" x 28" Enameled Cast Iron Floor Type Corner Service Sink With Removable Vinyl Coated Rim Guard (American Standard Florwell™).....	1,234.37	187.35
22 42 16 16-0048	EA		12" x 12" x 10" Cast Iron Floor Sink With Dome Strainer And Full Grate (Zurn FD2377-PO3-F).....	496.45	131.94
22 42 16 16-0049	EA		24" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB2424).....	581.60	131.94
22 42 16 16-0050	EA		36" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB3624).....	639.17	158.32
22 42 16 16-0051	EA		24" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2424-010).....	537.30	131.94
22 42 16 16-0052	EA		36" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2436-010).....	609.00	158.32
22 42 16 16-0053	EA		24" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-24).....	628.12	131.94
22 42 16 16-0054	EA		36" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-3624).....	772.64	158.32

22 42 16 16-0055			Stainless Steel Sink And Drainboard <small>(22 42 16 16-0001)</small>		
22 42 16 16-0056	EA		24" x 24" Stainless Steel Sink With One Compartment And Drainboard, 14 Gauge Stainless Steel With Tubular Adjustable Legs (Advance Tabco 94-41-24-24L).....	2,715.46	219.89

22 42 16 16-0057			Soapstone Sinks <small>(22 42 16 16-0001)</small>		
22 42 16 16-0058	EA		26-1/2" x 18-1/2" x 7-3/4" Single Bowl Soapstone Sink.....	1,017.28	80.92
22 42 16 16-0059	SF		Soapstone Sink Backsplash.....	153.29	
22 42 16 16-0060	EA		30" x 18-1/2" x 10" Single Bowl Soapstone Sink.....	1,305.35	94.12
22 42 16 16-0061	EA		36" x 18-1/2" x 10" Double Bowl Soapstone Sink.....	1,540.00	94.12

22 42 16 16-0062			Sink Carriers <small>(22 42 16 16)</small>		
22 42 16 16-0063			Floor Mounted, Sink Carriers <small>(22 42 16 16-0062)</small>		
Note: With support plates, adjustable coupling with 4" piping connection, mounting studs, structural uprights, welded feet and chrome plated trim.					
22 42 16 16-0064	EA		Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling.....	505.62	33.43
For Vandal Proof Trim, Add				44.08	
For Valve Plate For Attaching To Upright, Add				59.68	
22 42 16 16-0065	EA		Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling And 4" x 2" Waste Fitting.....	770.82	33.43
For Vandal Proof Trim, Add				44.08	
For Auxiliary Vent, Add				133.14	
22 42 16 16-0066	EA		Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With Exposed Acid Resistant White Coated Arms.....	959.48	33.43
For Up To 4" Extension Sleeves And Hardware, Add				33.24	
For Vandal Proof Trim, Add				44.08	

22 42 16 16-0067			Removal And Reinstallation Of Sink And Trim <small>(22 42 16 16)</small>		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.					
22 42 16 16-0068	EA		Removal And Reinstallation Of Wall Hung Service Sink With Faucet.....	354.67	

22 42 19			Commercial Bathtubs <small>(22 42)</small>		
22 42 19 00-0001			Recessed Alcove Bathtubs <small>(22 42 19)</small>		
22 42 19 00-0002			Porcelain Enameled Cast Iron, Recessed Alcove Bathtubs <small>(22 42 19 00-0001)</small>		
22 42 19 00-0003	EA		54" x 30-1/4" x 14", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Seaforth™).....	1,421.01	244.52
22 42 19 00-0004	EA		60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Mendota®).....	1,210.94	244.52
22 42 19 00-0005	EA		60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Dynametric®).....	1,426.28	244.52
22 42 19 00-0006	EA		66" x 32" x 17", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Bellwether®).....	1,848.76	244.52

22 42 19 00-0007			Porcelain Enameled Steel, Recessed Alcove Bathtubs <small>(22 42 19 00-0001)</small>		
22 42 19 00-0008	EA		60" x 30" x 14-1/4", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Salem®).....	604.08	244.52
22 42 19 00-0009	EA		60" x 30" x 16-5/8", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Solar®).....	619.13	244.52



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 42 19 00-0010			Porcelain Finished Metal Alloy, Recessed Alcove Bathtubs <small>(22 42 19 00-0001)</small>		
	22 42 19 00-0011	EA		60" x 32" x 17-3/4", Porcelain Finished Metal Alloy, Recessed Alcove Bathtub (American Standard Cambridge™).....	915.26	244.52
	22 42 19 00-0012			Acrylic, Recessed Alcove Bathtubs <small>(22 42 19 00-0001)</small>		
	22 42 19 00-0013	EA		60" x 32" x 19", Acrylic, Recessed Alcove Bathtub (Kohler® Archer®)	943.71	244.52
	22 42 19 00-0014	EA		60" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,125.57	244.52
	22 42 19 00-0015	EA		66" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,149.06	244.52
	22 42 19 00-0016	EA		72" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,134.63	244.52
	22 42 19 00-0017	EA		72" x 42" x 21", Acrylic, Recessed Alcove Bathtub (Kohler® Windward®).....	1,186.56	244.52
	22 42 19 00-0018			Bathtub Refinishing <small>(22 42 19 00-0001)</small>		
	22 42 19 00-0019	EA		Refinish Porcelain Finished Bathtub With Acrylic Urethane Enamel.....	464.87	
	22 42 19 00-0020			Tub And Shower Combinations <small>(22 42 19)</small>		
	22 42 19 00-0021			Acrylic Tub And Shower Combination <small>(22 42 19 00-0020)</small>		
	22 42 19 00-0022	EA		1 Piece, 60" x 32" x 72" Acrylic Tub And Shower (Delta 226032).....	817.25	88.21
				<i>For 2 Piece Enclosure, Deduct</i>	-181.15	
	22 42 19 00-0023			Fiberglass Tub And Shower Combination <small>(22 42 19 00-0020)</small>		
	22 42 19 00-0024	EA		1 Piece 60" x 32" x 72" Fiberglass Tub And Shower (Aquatic 2603-SG).....	767.79	88.21
	22 42 19 00-0025	EA		2 Piece 60" x 30" x 72" Fiberglass Tub And Shower (Aquatic 2603-2P).....	616.72	58.81
	22 42 19 00-0026	EA		4 Piece 60" x 32" x 75-1/2" Fiberglass Tub And Shower (Aquatic 26030-4P)	1,221.73	133.14
	22 42 19 00-0027	EA		3 Piece Tub/Shower Surrounds, 32" x 72" Side Walls, 48" x 72" Back, (Swanstone SK-324872).....	2,077.46	299.65
				<i>For 2 Piece Enclosure, Deduct</i>	-438.19	
	22 42 23			Commercial Showers <small>(22 42)</small>		
	22 42 23 00-0001			Shower Enclosures <small>(22 42 23)</small>		
				Note: Includes precast concrete receptors. Excludes plumbing hook-up and door or curtain.		
	22 42 23 00-0002			Powder Coated Or Baked Enamel Steel Shower Enclosure <small>(22 42 23 00-0001)</small>		
	22 42 23 00-0003	EA		32" x 32" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	1,047.65	141.87
	22 42 23 00-0004	EA		36" x 36" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	1,047.65	141.87
	22 42 23 00-0005	EA		40" x 40" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	1,536.56	141.87
	22 42 23 00-0006	EA		40" x 48" x 82" Handicapped, Baked Enamel Steel Shower Enclosure (General Partitions)	1,681.70	141.87
	22 42 23 00-0007			Solid Plastic Core High Density Polymer (HDP) Shower Enclosure <small>(22 42 23 00-0001)</small>		
	22 42 23 00-0008	EA		32" x 32" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	1,666.43	141.87
	22 42 23 00-0009	EA		36" x 36" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	1,666.43	141.87
	22 42 23 00-0010	EA		40" x 40" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	2,353.95	141.87
	22 42 23 00-0011	EA		40" x 48" x 82" Handicapped, Solid Plastic Shower Enclosure (General Partitions).....	2,621.33	141.87
	22 42 23 00-0012			Composite Fiberglass Shower Enclosure, 4 Piece Knock-Down <small>(22 42 23 00-0001)</small>		
	22 42 23 00-0013	EA		32" x 32" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3232CS)	892.58	141.87
	22 42 23 00-0014	EA		36" x 36" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3636CS)	915.17	141.87
	22 42 23 00-0015	EA		34" x 48" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 4834CS)	937.76	141.87
	22 42 23 00-0016	EA		30" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6030CSL)	982.95	141.87
	22 42 23 00-0017	EA		34" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6034CS)	1,042.81	141.87
	22 42 23 00-0018			1 Piece Shower Units <small>(22 42 23)</small>		
	22 42 23 00-0019	EA		1 Piece, 32" x 32" x 73" Fiberglass Shower With Drain (Swanstone FS03232).....	768.47	88.21
	22 42 23 00-0020	EA		1 Piece, 36" x 36" x 73" Fiberglass Shower With Drain (Swanstone FS03636).....	851.32	88.21
	22 42 23 00-0021			Personnel Type Shower Receptors <small>(22 42 23)</small>		
	22 42 23 00-0022			Acrylic Shower Receptors <small>(22 42 23 00-0021)</small>		
	22 42 23 00-0023	EA		36" x 36" Acrylic Shower Receptor	383.34	35.84
	22 42 23 00-0024	EA		42" x 42" Acrylic Shower Receptor	405.35	35.84
	22 42 23 00-0025	EA		48" x 48" Acrylic Shower Receptor	449.30	35.84
	22 42 23 00-0026	EA		60" x 60" Acrylic Shower Receptor	546.45	43.00
	22 42 23 00-0027	EA		48" x 32" Acrylic Shower Receptor	384.38	35.84
	22 42 23 00-0028	EA		48" x 36" Acrylic Shower Receptor	413.32	35.84
	22 42 23 00-0029	EA		48" x 42" Acrylic Shower Receptor	467.17	35.84
	22 42 23 00-0030	EA		60" x 30" Acrylic Shower Receptor	741.76	97.48
	22 42 23 00-0031	EA		60" x 32" Acrylic Shower Receptor	519.06	43.00
	22 42 23 00-0032	EA		60" x 36" Acrylic Shower Receptor	522.78	43.00
	22 42 23 00-0033	EA		60" x 42" Acrylic Shower Receptor	526.20	43.00
	22 42 23 00-0034	EA		60" x 48" Acrylic Shower Receptor	579.70	43.00
	22 42 23 00-0035	EA		36" x 36" Acrylic Corner Shower Receptor	559.75	35.84

22	Plumbing
22 40	Plumbing Fixtures
22 42	Commercial Plumbing Fixtures



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
22 42 23 00-0036	EA	42" x 42" Acrylic Corner Shower Receptor	642.82	35.84
22 42 23 00-0037	EA	47-1/2" x 47-1/2" Acrylic Corner Shower Receptor	1,027.86	92.61
22 42 23 00-0038		Molded Stone Shower Receptors (22 42 23 00-0021)		
22 42 23 00-0039	EA	32" x 32" Molded Stone Shower Receptor (Fiat 32WL)	255.36	35.84
22 42 23 00-0040	EA	34" x 34" Molded Stone Shower Receptor (Fiat 34WL)	267.78	35.84
22 42 23 00-0041	EA	36" x 36" Molded Stone Shower Receptor (Fiat 36WL)	269.16	35.84
22 42 23 00-0042	EA	42" x 42" Molded Stone Shower Receptor (Fiat 4242WL)	330.56	35.84
22 42 23 00-0043	EA	42" x 34" Molded Stone Shower Receptor (Fiat 42WL)	293.31	35.84
22 42 23 00-0044	EA	48" x 32" Molded Stone Shower Receptor (Fiat 4832WL)	310.56	35.84
22 42 23 00-0045	EA	48" x 34" Molded Stone Shower Receptor (Fiat 48WL)	312.63	35.84
22 42 23 00-0046	EA	54" x 34" Molded Stone Shower Receptor (Fiat 54WL)	362.03	43.00
22 42 23 00-0047	EA	60" x 34" Molded Stone Shower Receptor (Fiat 60WL)	375.14	43.00
22 42 23 00-0048	EA	36" x 36" Molded Stone Corner Shower Receptor (Fiat 36WLC)	296.76	35.84
22 42 23 00-0049	EA	38" x 38" Molded Stone Corner Shower Receptor (Fiat 38WLC)	304.35	35.84
22 42 23 00-0050		Precast Terrazzo Shower Receptors (22 42 23 00-0021)		
22 42 23 00-0051	EA	30" x 30" Precast Terrazzo Shower Receptor	480.27	35.84
22 42 23 00-0052	EA	32" x 32" Precast Terrazzo Shower Receptor	498.90	35.84
22 42 23 00-0053	EA	34" x 34" Precast Terrazzo Shower Receptor	516.15	35.84
22 42 23 00-0054	EA	36" x 36" Precast Terrazzo Shower Receptor	518.22	35.84
22 42 23 00-0055	EA	40" x 40" Precast Terrazzo Shower Receptor	567.20	35.84
22 42 23 00-0056	EA	42" x 42" Precast Terrazzo Shower Receptor	592.04	35.84
22 42 23 00-0057	EA	48" x 48" Precast Terrazzo Shower Receptor	832.13	35.84
22 42 23 00-0058	EA	36" x 32" Precast Terrazzo Shower Receptor	512.01	35.84
22 42 23 00-0059	EA	42" x 32" Precast Terrazzo Shower Receptor	521.90	35.84
22 42 23 00-0060	EA	42" x 34" Precast Terrazzo Shower Receptor	539.61	35.84
22 42 23 00-0061	EA	42" x 36" Precast Terrazzo Shower Receptor	561.68	35.84
22 42 23 00-0062	EA	32" x 48" Precast Terrazzo Shower Receptor	563.75	35.84
22 42 23 00-0063	EA	48" x 34" Precast Terrazzo Shower Receptor	592.04	35.84
22 42 23 00-0064	EA	54" x 32" Precast Terrazzo Shower Receptor	620.33	35.84
22 42 23 00-0065	EA	60" x 30" Precast Terrazzo Shower Receptor	838.51	43.00
22 42 23 00-0066	EA	60" x 32" Precast Terrazzo Shower Receptor	916.79	43.00
22 42 23 00-0067	EA	60" x 34" Precast Terrazzo Shower Receptor	920.63	43.00
22 42 23 00-0068	EA	60" x 36" Precast Terrazzo Shower Receptor	924.45	43.00
22 42 23 00-0069	EA	32" x 32" Precast Terrazzo Corner Shower Receptor	520.98	35.84
22 42 23 00-0070	EA	34" x 34" Precast Terrazzo Corner Shower Receptor	521.90	35.84
22 42 23 00-0071	EA	36" x 36" Precast Terrazzo Corner Shower Receptor	523.74	35.84
22 42 23 00-0072	EA	40" x 40" Precast Terrazzo Corner Shower Receptor	627.92	35.84
22 42 23 00-0073	EA	36" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,141.90	35.84
22 42 23 00-0074	EA	60" x 30", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,271.34	43.00
22 42 23 00-0075	EA	60" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,325.15	43.00
22 42 23 00-0076		Shower Receptors Accessories (22 42 23 00-0021)		
22 42 23 00-0077	SF	Polyvinyl Chloride (PVC) Shower Pan Liner	3.22	
22 42 23 00-0078		Removal And Reinstallation Of Fixtures And Trim (22 42 23)		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.				
22 42 23 00-0079	EA	Removal And Reinstallation Of Shower Head	43.00	
22 42 33		Wash Fountains (22 42)		
22 42 33 00-0001		Circular Wash Fountain, Deep Bowl (22 42 33)		
Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.				
22 42 33 00-0002	EA	36" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2705F-A-LSD)	10,710.78	142.93
For Metal Soap Dispenser, Add			100.00	
For Stainless Steel Pedestal Panels, Add			100.00	
22 42 33 00-0003	EA	36" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2805F-A-LSD)	4,847.59	142.93
For Metal Soap Dispenser, Add			100.00	
For Stainless Steel Pedestal Panels, Add			100.00	
22 42 33 00-0004	EA	36" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3105AIRLSD)	8,481.56	142.93
For Metal Soap Dispenser, Add			100.00	
For Stainless Steel Pedestal Panels, Add			100.00	
22 42 33 00-0005	EA	54" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2708F-A-LSD)	13,690.77	163.35
For Metal Soap Dispenser, Add			100.00	
For Stainless Steel Pedestal Panels, Add			100.00	
22 42 33 00-0006	EA	54" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2808F-A-LSD)	5,594.53	163.35
For Metal Soap Dispenser, Add			100.00	
For Stainless Steel Pedestal Panels, Add			100.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 33 00-0007	EA		54" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3108AIRLSDE)..... <i>For Metal Soap Dispenser, Add</i> <i>For Stainless Steel Pedestal Panels, Add</i>	10,168.51 100.00 100.00	163.35
22 42 33 00-0008 Semi-Circular Wash Fountain, Deep Bowl <small>(22 42 33)</small>					
Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.					
22 42 33 00-0009	EA		36" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2703F-A-LSD)..... <i>For Metal Soap Dispenser, Add</i> <i>For Stainless Steel Pedestal Panels, Add</i>	9,349.89 100.00 100.00	122.52
22 42 33 00-0010	EA		36" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2803F-A-LSD)..... <i>For Metal Soap Dispenser, Add</i> <i>For Stainless Steel Pedestal Panels, Add</i>	4,431.79 100.00 100.00	122.52
22 42 33 00-0011	EA		36" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3103AIRLSDE)..... <i>For Metal Soap Dispenser, Add</i> <i>For Stainless Steel Pedestal Panels, Add</i>	6,420.62 100.00 100.00	122.52
22 42 33 00-0012	EA		54" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2704F-A-LSD)..... <i>For Metal Soap Dispenser, Add</i> <i>For Stainless Steel Pedestal Panels, Add</i>	11,488.21 100.00 100.00	142.93
22 42 33 00-0013	EA		54" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2804F-A-LSD)..... <i>For Metal Soap Dispenser, Add</i> <i>For Stainless Steel Pedestal Panels, Add</i>	5,351.23 100.00 100.00	142.93
22 42 33 00-0014	EA		54" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3104AIRLSDE)..... <i>For Metal Soap Dispenser, Add</i> <i>For Stainless Steel Pedestal Panels, Add</i>	7,639.90 100.00 100.00	142.93
22 42 39 Commercial Faucets, Supplies, And Trim <small>(22 42)</small>					
22 42 39 00-0001 Kitchen Faucets <small>(22 42 39)</small>					
22 42 39 00-0002	EA		Top Cast Kitchen Faucet, Single Handle, Chrome Finish (Delta 140-DST).....	154.61	43.98
22 42 39 00-0003	EA		Top Cast Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 440-DST).....	173.15	43.98
22 42 39 00-0004	EA		Top Cast Kitchen Faucet, Single Handle, Stainless Steel Finish (Delta 140-SS-DST).....	254.86	43.98
22 42 39 00-0005	EA		Top Cast Kitchen Faucet With Spray, Single Handle, Stainless Steel Finish (Delta 440-SS-DST).....	294.47	43.98
22 42 39 00-0006	EA		Top Cast Kitchen Faucet, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2102LF-LHP+H24).....	144.82	43.98
22 42 39 00-0007	EA		Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2402LF-LHP+H24).....	157.88	43.98
22 42 39 00-0008	EA		Top Cast Kitchen Faucet, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21987LF).....	201.87	43.98
22 42 39 00-0009	EA		Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21996LF).....	146.66	43.98
22 42 39 00-0010	EA		Bottom Mount Kitchen Faucet, Single Handle, Chrome Finish (Delta 101LF-WF).....	141.72	43.98
22 42 39 00-0011	EA		Bottom Mount Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 175LF-WF).....	165.88	43.98
22 42 39 00-0012	EA		Bottom Mount Kitchen Faucet, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2274-LHP+H24).....	277.78	43.98
22 42 39 00-0013	EA		Bottom Mount Kitchen Faucet With Spray, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2276-LHP+H24).....	303.72	43.98
22 42 39 00-0014	EA		Deck Mount Sink Faucet, 8" Center Set, Lever Handles (Chicago Faucet 1100 ABCP).....	287.66	47.77
22 42 39 00-0015	EA		Deck Mount Sink Faucet, 8" Center Set, 4" Wristblade Handles (Chicago Faucet 1100-GN2AE3-317CP).....	286.40	47.77
22 42 39 00-0016	EA		Deck Mount Gooseneck Sink Faucet, 4" Center Set, Blade Handles (Chicago Faucet 802-317CP).....	216.59	47.77
22 42 39 00-0017	EA		Chrome Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041CR).....	484.83	43.98
22 42 39 00-0018	EA		Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041NK).....	610.72	43.98
22 42 39 00-0019	EA		Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041RB).....	652.69	43.98
22 42 39 00-0020	EA		Chrome Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041CR).....	484.83	43.98
22 42 39 00-0021	EA		Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041NK).....	610.72	43.98
22 42 39 00-0022	EA		Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041RB).....	652.69	43.98
22 42 39 00-0023 Lavatory Faucets <small>(22 42 39)</small>					
22 42 39 00-0024	EA		Single Handle Centerset Lavatory Faucet, Polished Chrome Finish (Delta Lahara 538-MPU-DST).....	182.70	31.66
22 42 39 00-0025	EA		4" Centerset Lavatory Faucet With Chrome Lever Handle (Delta 501LF-WF).....	129.10	31.66
22 42 39 00-0026	EA		4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2523LF-MPU).....	158.42	31.66
22 42 39 00-0027	EA		4" Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2529LF-HDM).....	173.04	31.66
22 42 39 00-0028	EA		Classic Style Widespread Lavatory Faucet With Chrome Lever Handles (Delta 3530LF-MPU).....	210.80	31.66
22 42 39 00-0029	EA		Widespread Lavatory Gooseneck Faucet With Chrome Lever Handles (Delta 3579LF-WFHDF).....	244.34	31.66
22 42 39 00-0030	EA		Self Closing/Metered Faucet, Brass, Single Hole, Push Handle (Delta 86T104).....	152.11	31.66
22 42 39 00-0031	EA		Self Closing/Metered Faucet, Double Hole, Push Handles (American Standard 1340.225.002).....	227.60	31.66
22 42 39 00-0032	EA		Single Inlet, Push Handle Metering Faucet, ADA (Chicago Faucet 333-665).....	166.14	31.66
22 42 39 00-0033	EA		3" Reach, 4-Arm Handle Single Basin Faucet (T&S Brass 0710).....	169.81	31.66
22 42 39 00-0034	EA		3" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0712).....	203.49	31.66
22 42 39 00-0035	EA		4" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0805).....	199.51	31.66
22 42 39 00-0036	EA		4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Zurn Z81104).....	164.38	31.66
22 42 39 00-0037 Bath And Shower Faucets <small>(22 42 39)</small>					



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0038			Bath And Shower Faucets With Valve Body (22 42 39 00-0037)		
	EA		Single Lever Handle Chrome Tub Filler, Pressure-Balance (American Standard T480 500).....	171.33	38.17
	EA		Single Lever Handle, Chrome Shower Only, Pressure-Balance (American Standard T480.501)	198.98	38.17
	EA		Single Lever Handle, Chrome Shower And Tub Filler, Pressure-Balance (American Standard T480.502)	216.71	38.17
	EA		Two Lever Handle, Chrome Tub Filler (American Standard Colony Soft 3275.505).....	159.28	38.17
			<i>For Faucet With Metal Cross Handles, Add</i>	45.75	
	EA		Two Lever Handle, Chrome Shower Only (American Standard Colony Soft 3275.501)	166.37	38.17
			<i>For Faucet With Metal Cross Handles, Add</i>	45.75	
	EA		Two Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3275.502)	186.93	38.17
			<i>For Faucet With Metal Cross Handles, Add</i>	45.75	
	EA		Three Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3375.502).....	210.33	38.17
			<i>For Faucet With Metal Cross Handles, Add</i>	45.75	
22 42 39 00-0046			Shower Valves And Trim (22 42 39)		
			See CSI section 22 41 39 00-0011 for residential shower valves and heads.		
	EA		Senior Institutional Shower Head (Symmons® 4-150).....	166.90	38.17
	EA		Universal Institutional Shower Head (Symmons® 4-151)	272.48	38.17
	EA		Fre-Flo Institutional Shower Head (Symmons® 4-295)	194.69	38.17
	EA		Fre-Flo Institutional Shower Head With Short Arm (Symmons® 4-385)	149.17	38.17
	EA		Wall Mounted Shower Valve And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-300-B30-V-X).....	606.32	57.17
	EA		Wall Mounted Shower Valve, Tub Faucet, And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-400-B30-V-X).....	503.79	65.97
	EA		Wall Mounted Shower Valve, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-500-B30-V-X)	657.87	65.97
	EA		Wall Mounted Shower Valve, Tub Faucet, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-600-B30-V-X).....	918.86	70.36
	EA		Removable Hand Held Shower With Hose Wall Hook And Inline Vacuum Breaker (Powers 141-318 with 141-319).....	284.15	59.37
	EA		Concealed Thermostatic/Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 2502-600CP)	608.69	59.37
	EA		Concealed Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 1762-ISCP).....	429.91	59.37
	EA		Stainless Steel Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-801S/1-802S).....	835.31	59.37
			<i>For Hand Spray, Hose And Wall Hooks, Add</i>	106.44	
			<i>For Recessed Soap Dish, Add</i>	108.12	
			<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	165.51	
			<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
	EA		Stainless Steel Corner Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-807).....	989.18	59.37
			<i>For Hand Spray, Hose And Wall Hooks, Add</i>	106.44	
			<i>For Recessed Soap Dish, Add</i>	108.12	
			<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	165.51	
			<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
	EA		Stainless Steel Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S)	680.21	59.37
			<i>For Hand Spray, Hose And Wall Hooks, Add</i>	19.32	
			<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	78.39	
			<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
	EA		Stainless Steel Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-911RS)	1,016.23	59.37
			<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
	EA		Stainless Steel Double Outlet Institutional Shower System With Thru-Ceiling Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-902S-FS)	1,088.66	59.37
			<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	59.07	
			<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
	EA		Stainless Steel Institutional Triple Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-931).....	1,990.84	59.37
			<i>For Recessed Soap Dish, Add</i>	83.94	
			<i>For Pressure Balance And Metering Combination, Add</i>	227.79	
	EA		Stainless Steel Institutional Double Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-921)	1,741.71	59.37
			<i>For Recessed Soap Dish, Add</i>	83.94	
			<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
	EA		Stainless Steel Tub And Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-941-231).....	884.66	59.37
	EA		Stainless Steel Double Outlet Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Hand Spray, Hose, Wall Hooks, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-912RS-FS).....	1,346.83	59.37
			<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	59.07	
			<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
	EA		Stainless Steel Single Supply Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-60).....	883.50	59.37
	EA		Stainless Steel Single Supply Single Outlet Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-22-FS)	880.94	59.37
			<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	59.07	
	EA		Single Lever Handle, Chrome, Pressure-Balance, Shower System (Symmons SafetyMix 1-100-X-3/4).....	648.80	52.77
	EA		Single Lever Handle, Chrome, Pressure-Balance, Shower Valve (Symmons SafetyMix 4-500)	499.66	38.17



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0071	Service Sink Faucets (22 42 39)	
22 42 39 00-0072 EA 4-5/8" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet, Lever Handles (Kohler® Kinlock™)	366.92	73.22
22 42 39 00-0073 EA 3" Spout, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8340.235)	268.07	73.22
22 42 39 00-0074 EA 3" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8340.243)	287.22	73.22
22 42 39 00-0075 EA 6" Spout With Vacuum Breaker And Top Brace, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8344.012)	297.14	73.22
22 42 39 00-0076 EA 7-1/4" Spout With Bottom Fork Brace, Wall Mount Service Sink Faucet, Stops In Integral Arm, Wrist Blade Handles (American Standard 8355.101)	390.05	102.65
22 42 39 00-0077 EA 7-1/4" Spout With Vacuum Break And Bottom Fork Brace, Wall Mount Service Sink Faucet, Stops In Integral Arm, Wrist Blade Handles (American Standard 8355.110)	437.55	116.98
22 42 39 00-0078 EA 11" Spout With Bottom Fork Brace, Wall Mount Service Sink Faucet, Stops In Integral Arm, Wrist Blade Handles (American Standard 8345.115)	499.95	116.98
22 42 39 00-0079 EA Wall Mount Service Sink Faucet With Atmospheric Vacuum Breaker Spout, Lever Handles (Chicago Faucet 305-VBRCF)	295.05	73.22
22 42 39 00-0080 EA 8" Spout Wall Mount Service Sink, Wrist Blade Handles (Chicago 445-L8ABCP)	444.44	116.98
22 42 39 00-0081 EA 44" Flexible Stainless Steel Hose With Insulated Handle, 23" Riser, Pre-Rinse Faucet (Chicago Faucet 923-XKCAB)	594.12	116.98
22 42 39 00-0082	Laboratory Faucets And Fittings (22 42 39)	
22 42 39 00-0083 EA Cold Faucet, Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 927)	149.29	31.14
22 42 39 00-0084 EA Hot And Cold Faucet, Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 929)	242.47	43.98
22 42 39 00-0085 EA Hot And Cold Faucet With Vacuum Breaker, Single Deck Mount Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 930)	310.70	43.98
22 42 39 00-0086 EA Cold Wall Mount, Gooseneck Spout With Aerator, Laboratory Faucet (Chicago Faucet 933)	194.89	41.07
22 42 39 00-0087 EA Hot And Cold Wall Mount, 6" Spout With Aerator, Laboratory Faucet (Chicago Faucet 940)	265.62	58.58
22 42 39 00-0088 EA Hot And Cold Wall Mount, 6" Spout With Aerator And Vacuum Breaker, Laboratory Faucet (Chicago Faucet 940-VBE7-CP)	354.58	58.58
22 42 39 00-0089 EA Hot And Cold Faucet, Dual Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 946)	282.85	43.98
22 42 39 00-0090 EA Hot And Cold Wall Mount, Gooseneck Spout With Aerator Laboratory Faucet (Chicago Faucet 942)	281.78	58.58
22 42 39 00-0091 EA Single Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 350-CP)	183.32	33.82
22 42 39 00-0092 EA Dual Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 50-CP)	258.32	47.77
22 42 39 00-0093 EA Deck Mount Lavatory Faucet, 4" Center Set, Lever Handles (Chicago Faucet 802)	201.94	47.77
22 42 39 00-0094 EA Deck Mount Gooseneck Sink Faucet, 4" Center Set, Blade Handles (Chicago Faucet 895-317CP)	243.78	47.77
22 42 39 00-0095 EA Gas Ball Valve, Removable Nozzle, With Index Button (Chicago Faucet 909-AGVCP)	68.09	29.38
22 42 39 00-0096 EA Dual Service Lab Fitting, Two Gas And One Water Outlet (Chicago Faucet 1332-CP)	389.50	52.77
22 42 39 00-0097 EA Dual Service Lab Fitting With Wristblade Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-317CP)	496.99	52.77
22 42 39 00-0098 EA Dual Service Lab Fitting With Metal Cross Handle, Inline Vacuum Breaker, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7-204CP)	594.91	52.77
22 42 39 00-0099 EA Dual Service Lab Fitting With Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7CP)	527.67	52.77
22 42 39 00-0100 EA Dual Service Lab Fitting With Chemical Resistant Coating And Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7SAM)	625.72	52.77
22 42 39 00-0101 EA Single, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-131WSA)	101.90	29.03
22 42 39 00-0102 EA 90 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132AWSA)	140.23	34.83
22 42 39 00-0103 EA 180 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132WSA)	140.23	34.83
22 42 39 00-0104 EA Three Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-133WSA)	178.57	40.64
22 42 39 00-0105 EA Four Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-134WSA)	216.90	46.45
22 42 39 00-0106	Gooseneck Faucets With Independent Eyewash (22 42 39)	
22 42 39 00-0107 EA Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA)	629.10	32.98
22 42 39 00-0108 EA Single Lever Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-SL)	680.87	30.79
22 42 39 00-0109 EA 8" Stem, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8)	877.42	32.98
22 42 39 00-0110 EA Serrated Tip With Vacuum Breaker, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-ST)	926.30	32.98
22 42 39 00-0111 EA Thermostatic Mixing Valve Kit For The SEF-1800 (Speakman SEF-TW)	1,121.17	21.99
22 42 39 00-0112 EA Foot Pedal Activation, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-FP)	1,357.79	54.98
22 42 39 00-0113 EA Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-TW)	1,891.05	54.98
22 42 39 00-0114 EA 8" Stem, Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8TW)	1,953.26	54.98
22 42 39 00-0115 EA Adjustable Aerated Outlet Heads, Gooseneck Faucet Mounted Eyewash (WaterSaver EW101)	182.68	33.44
22 42 39 00-0116 EA Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW200)	198.64	33.44
22 42 39 00-0117 EA Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW201)	212.58	33.44
22 42 39 00-0118 EA 6 Gallon Capacity, Tempering Valve (WaterSaver AP3600)	847.36	21.99
22 42 39 00-0119	Bubblers And Glass Fillers (22 42 39)	
22 42 39 00-0120 EA Self-Closing Bubbler Faucet, Metering Handle (Chicago Faucet 748-665CP)	257.07	31.14
22 42 39 00-0121 EA Wall Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 313-CP)	232.63	41.07
22 42 39 00-0122 EA 7" Overall Outlet Height, Deck Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 709-CP)	253.68	31.14
22 42 39 00-0123 EA Wall Mount, Push Button Single Glass Filler (Chicago Faucet 324-CP)	163.48	44.63
22 42 39 00-0124 EA Deck Mount, Lever Handle Drinking Faucet (Haws 5054LF)	300.24	33.82
22 42 39 00-0125 EA Push Button Bubbler, 1/2" OD (Haws 5017LF)	304.14	33.82



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0126 EA Push Button Bubbler, 3/8" NPT (Haws 5010-6427)	254.86	33.82
22 42 39 00-0127 Electronic Infrared Sensor Faucets (22 42 39)		
22 42 39 00-0128 EA Electronic Lavatory Faucet (American Standard 6055.205.002) <i>For Faucet With Temperature Control, Add</i>	474.41 40.00	73.36
22 42 39 00-0129 EA Electronic Lavatory Gooseneck Faucet (American Standard 6055.105.002) <i>For Faucet With Temperature Control, Add</i>	478.66 40.00	73.36
22 42 39 00-0130 EA Electronic Gooseneck Faucets (Chicago Faucet 116.103.AB.1)	636.80	79.70
22 42 39 00-0131 EA Electronic Lavatory Faucet (Chicago Faucet 116.112.AB.1)	661.06	73.36
22 42 39 00-0132 EA Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880)	973.70	79.70
22 42 39 00-0133 EA Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880-BDT)	1,213.43	79.70
22 42 39 00-0134 EA Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-35187)	1,134.82	79.70
22 42 39 00-0135 EA Solar Powered, Electronic Lavatory Faucet With Integral Mixing Valve (Sloan Solis EAF-275-ISM)	796.95	73.36
22 42 39 00-0136 EA Electronic Lavatory Faucet, AC Power, Deck Mount (T&S Brass EC1100)	609.04	73.36
22 42 39 00-0137 EA Electronic Lavatory Faucet, AC Power, Wall Mount (T&S Brass EC1101)	641.59	73.36
22 42 39 00-0138 EA Electronic Lavatory Faucet, Spout Version, AC Power, Deck Mount (T&S Brass EC1102)	560.22	73.36
22 42 39 00-0139 EA Electronic Lavatory Faucet, DC Power, Deck Mount (T&S Brass EC2100)	641.59	73.36
22 42 39 00-0140 EA Electronic Lavatory Faucet, Spout Version, DC Power, Deck Mount (T&S Brass EC2102)	564.75	73.36
22 42 39 00-0141 EA Electronic Lavatory Gooseneck Faucet, AC Power, Deck Mount (T&S Brass EC3100)	564.75	73.36
22 42 39 00-0142 EA Electronic Lavatory Gooseneck Faucet, AC Power, Wall Mount (T&S Brass EC3101)	631.67	73.36
22 42 39 00-0143 EA Electronic Lavatory Faucet, Spout Version, AC Power, Deck Mount (T&S Brass EC3102)	540.78	73.36
22 42 39 00-0144 EA Electronic Lavatory Faucet, Spout Version, AC Power, 4" Deck Mount (T&S Brass EC3103)	520.25	73.36
22 42 39 00-0145 EA Self-Generating EcoPower System, Single Supply Sensor Faucet, Standard Spout (Toto "Eco-Power" TEL3GKCN-60)	950.19	73.36
22 42 39 00-0146 Singles (22 42 39)		
22 42 39 00-0147 EA Stainless Steel Single Deck Faucet With 6" Swivel/Rigid Gooseneck Spout And Lever Handles (Fisher 58130)	184.12	32.28
22 42 39 00-0148 Other Trim (22 42 39)		
22 42 39 00-0149 EA Faucet Aerator, Male Thread 13/16" Male, 2 GPM (Delta RP330)	14.82	4.78
22 42 39 00-0150 EA 1-1/2" Pop-up Tailpiece (Chicago Faucet 226-ACP)	84.65	14.33
22 42 39 00-0151 EA 1/2" NPT x 3/8" Compression Chrome, Quarter Turn Angle Stop (SharkBite 23036)	29.41	9.24
22 42 39 00-0152 EA 1/2" NPT x 3/8" Compression Chrome, Quarter Turn Straight Stop (SharkBite 23037)	29.41	9.24
22 42 39 00-0153 EA 1/2" NPT x 3/8" Compression Chrome, Quarter Turn Dual Angle Stop (SharkBite 25558)	39.38	9.24
22 42 39 00-0154 EA 16" Long, 3/8" OD x 1/2" IPS, Stainless Steel Braided Sink Supply Line (Pair)	28.40	10.15
22 42 39 00-0155 EA 12" Long, 3/8" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line	17.55	5.97
22 42 39 00-0156 EA 12" Long, 1/2" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line	18.01	5.97
22 42 39 00-0157 Removal And Reinstallation Of Fixtures And Trim (22 42 39)		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 39 00-0158 EA Removal And Reinstallation Of Faucet	76.45	
22 42 43 Flushometers (22 42)		
22 42 43 00-0001 Water Closet Flush Valves (22 42 43)		
22 42 43 00-0002 EA Exposed Manual Water Closet Flush Valve (Sloan Regal-115XL)	199.71	29.99
22 42 43 00-0003 EA Exposed Manual Water Closet Flush Valve (Sloan Regal-113-1.6)	194.06	29.99
22 42 43 00-0004 EA Exposed Manual Water Closet Flush Valve (Sloan Regal-110 Or 111)	222.76	29.99
22 42 43 00-0005 EA Concealed Manual Water Closet Flush Valve, Back Spud (Sloan Royal-140)	306.64	29.99
22 42 43 00-0006 EA Concealed Manual Water Closet Flush Valve, Top Spud (Sloan Royal-142)	339.00	29.99
22 42 43 00-0007 EA Exposed Infrared Water Closet Flush Valve (Sloan Royal 115-1.6 ES-S)	604.61	29.99
22 42 43 00-0008 EA Concealed Infrared Water Closet Flush Valve, Back Spud (Sloan Royal-140 ES-S)	610.10	29.99
22 42 43 00-0009 EA Concealed Infrared Water Closet Flush Valve, Top Spud (Sloan Royal-153-1.6-ES-S)	642.74	29.99
22 42 43 00-0010 EA Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8113)	598.92	29.99
22 42 43 00-0011 EA Dual Flush Water Closet Flush Valve (Sloan Uppercut WES-115) Note: "Green". 1.6 Gallons or 1.1 Gallons per flush. Includes instructional placards on proper operation.	273.64	29.99
22 42 43 00-0012 EA Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8110)	544.19	29.99
22 42 43 00-0013 EA Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima EBV-89AM)	298.68	29.99
22 42 43 00-0014 EA Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40118X)	263.70	29.99
22 42 43 00-0015 EA Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima Smooth EBV-200A)	261.17	26.39
22 42 43 00-0016 EA Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40180X)	283.16	26.39
22 42 43 00-0017 EA Exposed Infrared Water Closet Flush Valve 1.28 GPF (Toto EcoPower TET1LN)	613.05	29.99
22 42 43 00-0018 EA Exposed Infrared Water Closet Flush Valve (1-1/2" V.B.) 1.28 GPF (Toto EcoPower TET1LN32)	669.92	29.99
22 42 43 00-0019 EA Concealed Infrared Water Closet Flush Valve, Back Spud 1.28 GPF (Toto EcoPower TET2LN31 Or TET3LN31)	851.83	29.99
22 42 43 00-0020 EA Concealed Infrared Water Closet Flush Valve, Top Spud 1.28 GPF (Toto EcoPower TET2LN32 Or TET3LN32)	851.83	29.99
22 42 43 00-0021 EA Exposed Infrared Water Closet Flush Valve (Zurn ZEMS6000AV-HET-IS)	556.63	29.99
22 42 43 00-0022 EA Exposed Infrared Water Closet Flush Valve (Zurn ZTS6200EV)	551.83	29.99
22 42 43 00-0023 EA Slide Over Handle AC Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan EL-600-A)	273.56	26.39
22 42 43 00-0024 EA 6 Volt DC, 120 Volt AC Hardwired Power Transformer (Sloan EL-451)	86.25	4.84
22 42 43 00-0025 EA Exposed Solar/Battery Powered Water Closet Flush Valve (Sloan Solis 8111-1.28)	531.86	29.99
22 42 43 00-0026 EA Exposed Manual Water Closet Flush Valve (Zurn Z6000AV-HET)	213.80	29.99
22 42 43 00-0027 EA Exposed Battery Powered Water Closet Flush Valve (Zurn ZER6000AV-HET)	571.37	29.99



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 43 00-0028 Urinal Flush Valves <small>(22 42 43)</small>		
22 42 43 00-0029 EA Exposed Manual Urinal Flush Valve, 3/4" Top Spud (Sloan Regal 186 XL) Note: 0.5, 1.0 or 1.5 GPF.	189.63	29.99
22 42 43 00-0030 EA Exposed Manual Urinal Flush Valve, 1-1/4" Top Spud (Sloan Regal 180) Note: 1.0, 1.5 or 3.5 GPF.	203.68	29.99
22 42 43 00-0031 EA Concealed Manual Urinal Flush Valve, Back Spud (Sloan Royal 195) Note: 1.0 or 1.5 GPF.	270.82	29.99
22 42 43 00-0032 EA Concealed Manual Urinal Flush Valve, Top Spud (Sloan Royal 197) Note: 1.0 or 1.5 GPF.	326.13	29.99
22 42 43 00-0033 EA Exposed Infrared Urinal Flush Valve (Sloan Royal 186-ES-S) Note: 1.0 or 1.5 GPF.	508.44	29.99
22 42 43 00-0034 EA Concealed Infrared Urinal Flush Valve, Back Spud (Sloan Royal 195-WB-ES-S) Note: 0.5, 1.0 or 1.5 GPF.	680.54	29.99
22 42 43 00-0035 EA Concealed Infrared Urinal Flush Valve, Top Spud (Sloan Royal 197-WB-ES-S) Note: 0.5, 1.0 or 1.5 GPF.	762.51	29.99
22 42 43 00-0036 EA Exposed Battery Powered Urinal Flush Valve, Top Spud (Sloan G2 Opt+8186-1) Note: 1.0 GPF.	500.21	29.99
22 42 43 00-0037 EA Exposed Infrared Urinal Flush Valve (3/4" V.B.) (Toto EcoPower TEU1LN12) Note: 0.5 GPF.	666.26	29.99
22 42 43 00-0038 EA Exposed Solar/Battery Powered Urinal Flush Valve, Top Spud (Sloan Solis 8186-0.13) Note: 0.13 GPF.	487.88	29.99
22 42 43 00-0039 EA Exposed Manual Urinal Flush Valve, 3/4" Top Spud (Zurn Z6003AV-ULF) Note: 0.125 GPF.	216.01	29.99
22 42 43 00-0040 EA Exposed Battery Powered Urinal Flush Valve, Top Spud (Zurn ZTR6203-ULF) Note: 0.125 GPF.	538.85	29.99
22 42 43 00-0041 EA Exposed Infrared Urinal Flush Valve (Zurn ZEMS6003AV-ULF-IS) Note: 0.125 GPF.	545.91	29.99
22 42 43 00-0042 Removal And Reinstallation Of Fixtures And Trim <small>(22 42 43)</small>		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 43 00-0043 EA Removal And Reinstallation Of Flush Valve	119.45	
22 42 43 00-0044 Plumbing Control Transformers <small>(22 42 43)</small>		
22 42 43 00-0045 EA 6 Volt DC, 120 Volt AC Plug In Style Power Transformer (Zurn P6000-PC6)	39.38	
22 42 46 Chemical Toilets <small>(22 42)</small>		
Note: Includes toilet, urinal, holding tank, and ventilation system. Building to be priced separately.		
22 42 46 00-0001 Standard Chemical Toilets <small>(22 42 46)</small>		
22 42 46 00-0002 Small Tank Chemical Toilets <small>(22 42 46 00-0001)</small>		
22 42 46 00-0003 EA Chemical Toilet, Small Tank 7,000 Uses/Year <i>For Extra Urinal, Add</i>	3,673.44 121.06	879.57
22 42 46 00-0004 Medium Tank Chemical Toilets <small>(22 42 46 00-0001)</small>		
22 42 46 00-0005 EA Chemical Toilet, Medium Tank 13,000 Uses/Year <i>For Extra Urinal, Add</i>	4,364.28 143.24	1,047.58
22 42 46 00-0006 Large Tank Chemical Toilets <small>(22 42 46 00-0001)</small>		
22 42 46 00-0007 EA Chemical Toilet, Large Tank 28,000 Uses/Year <i>For Extra Urinal, Add</i>	5,307.87 198.33	1,188.30
22 43 Healthcare Plumbing Fixtures <small>(22 40)</small>		
22 43 13 Healthcare Water Closets <small>(22 43)</small>		
22 43 13 00-0001 Healthcare Water Closets <small>(22 43 13)</small>		
22 43 13 00-0002 EA Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Priolo® ADA)	744.67	91.47
22 43 13 00-0003 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Madera™ ADA)	582.11	91.47
22 43 16 Healthcare Sinks <small>(22 43)</small>		
22 43 16 00-0001 Healthcare Sinks <small>(22 43 16)</small>		
Note: Includes trap, drain and supply valves. Excludes faucets and flush valves.		
22 43 16 00-0002 EA 25" x 21", Wall Mounted, Blow Out Flushing Rim, Vitreous China Clinic Service Sink (American Standard) <i>For Stainless Steel Rim Guards (Three Sides), Add</i>	1,151.63 108.74	58.93
22 43 16 00-0003 EA 29" x 20", Floor Mounted, Siphon Jet Flushing Rim, Vitreous China Clinic Service Sink (American Standard) <i>For Stainless Steel Rim Guards (Three Sides), Add For Pedestal Base, Add</i>	1,225.60 108.74 498.57	169.32
22 43 16 00-0004 EA 28" x 22", Wall Mounted, Vitreous China Surgeon's Scrub Sink (American Standard) <i>For Painted Bracket Supports, Add</i>	1,103.76 171.18	58.93
22 43 16 00-0005 EA 20" x 17", Wall Mounted, Vitreous China Intensive Care Unit Sink (American Standard)	960.14	58.93

22	Plumbing
22 40	Plumbing Fixtures
22 43	Healthcare Plumbing Fixtures



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 43 39 Healthcare Faucets (22 43)		
22 43 39 00-0001 Medical Faucet Spouts (22 43 39)		
22 43 39 00-0002 EA Deck Mounted, Rigid Gooseneck Medical Lavatory Spout (American Standard 7522)	95.72	13.19
22 43 39 00-0003 Electronic Proximity Medical Faucets (22 43 39)		
22 43 39 00-0004 EA DC Or Plug-In AC Powered, Single Inlet, Electronic Proximity Medical Lavatory Faucet (American Standard Selectronic™ ICU)	556.62	64.56
<i>For Hard Wired AC Powered, Add</i>	24.76	
22 43 39 00-0005 Foot And Knee Faucet Controls (22 43 39)		
22 43 39 00-0006 EA Single Supply Metering Pedal Valve (Chicago Faucet 628)	315.34	117.33
22 43 39 00-0007 EA Double Supply Metering Pedal Valve (Chicago Faucet 625)	364.26	117.33
22 43 39 00-0008 EA Knee Actuated Metering Mixing Valve (Chicago Faucet 745-VOC)	741.38	117.33
22 43 39 00-0009 EA Double Knee Actuated Metering Mixing Valve (American Standard 7676)	635.07	117.33
22 43 39 00-0010 Centerset Medical Faucets (22 43 39)		
22 43 39 00-0011 EA Rigid Gooseneck Centerset Medical Lavatory Faucet, 8" Centers 6" Wrist Action Handles, Adjustable Centers (T&S B-0865-04)	404.76	64.56
22 43 39 00-0012 EA Swivel Gooseneck Centerset Medical Lavatory Faucet, 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0866-04)	409.19	64.56
22 43 39 00-0013 EA Swivel Gooseneck Centerset Medical Lavatory Faucet With Aerator 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0867-04)	408.74	64.56
22 43 39 00-0014 EA Surgical Sink Rigid Gooseneck Faucets, 8" Centers, 6" Wrist Action Handles (T&S B-0322-04)	366.64	64.56
22 43 39 00-0015 EA Surgical Sink Rigid Gooseneck Faucets With Stream Regulator Outlet, 8" Centers, 6" Wrist Action Handles (T&S B-0323-04)	351.58	64.56
22 43 39 00-0016 Bedpan Washers (22 43 39)		
22 43 39 00-0017 EA Self Closing Pedal Valve Bed Pan Washer, With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose (T&S B-0675)	952.12	117.33
22 43 39 00-0018 EA Pedal Valve Bed Panwasher With Volume Control Valve, Vacuum Breaker, Wall Hook Hose Connection, Extended Spray Polyvinyl Chloride Hose (T&S B-0676)	905.73	117.33
22 43 39 00-0019 EA Self Closing Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection Polyvinyl Chloride Hose (T&S B-0685)	891.98	117.33
22 43 39 00-0020 EA Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose, Extended Spray (T&S B-0686)	878.62	117.33
22 43 43 Healthcare Plumbing Fixture Flushometers (22 43)		
22 43 43 00-0001 Healthcare Plumbing Fixture Flushometers (22 43 43)		
22 43 43 00-0002 EA Exposed Manual Service Sink Flush Valve (Sloan Royal-117)	217.10	29.99
22 43 43 00-0003 EA Exposed Manual Water Closet Flush Valve With Bedpan Washer (Sloan Slimline BPW)	496.47	29.99
22 43 46 Healthcare Patient Care Units (22 43)		
22 43 46 00-0001 Patient Care Units (22 43 46)		
22 43 46 00-0002 EA 47" Swivel Toilet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-1700-AQCT-WB-BWSEV)	11,133.82	175.91
<i>For SDB Single Temperature Dialysis Box, Add</i>	799.08	
<i>For DDB Dual Temperature Dialysis Box, Add</i>	848.71	
<i>For BWSEV Bedpan Washer With Elevated Valve, Add</i>	658.04	
<i>For LOCK Flush Valve Lockout Device, Add</i>	450.41	
22 43 46 00-0003 EA 31" Swing Front Cabinet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-2600-SST-DC-AQCT-WB)	8,790.09	153.93
<i>For SDB Single Temperature Dialysis Box, Add</i>	799.08	
<i>For DDB Dual Temperature Dialysis Box, Add</i>	848.71	
<i>For BWSEV Bedpan Washer With Elevated Valve, Add</i>	658.04	
<i>For LOCK Flush Valve Lockout Device, Add</i>	450.41	
22 43 46 00-0004 Patient Care Plumbing Accessories (22 43 46)		
22 43 46 00-0005 EA One Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7920)	1,055.82	23.89
22 43 46 00-0006 EA Two Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7919)	1,161.79	23.89
22 45 Emergency Plumbing Fixtures (22 40)		
22 45 13 Emergency Showers (22 45)		
22 45 13 00-0001 Emergency Drench Showers (22 45 13)		
22 45 13 00-0002 Emergency Drench Showers (Haws) (22 45 13 00-0001)		
Note: Includes one pull rod.		
22 45 13 00-0003 EA Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122)	560.22	153.93
22 45 13 00-0004 EA Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8123)	638.54	153.93



Plumbing	22	
Plumbing Fixtures	22 40	22
Emergency Plumbing Fixtures	22 45	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 13 00-0005 EA Horizontal Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122HWC).....	682.05	153.93
22 45 13 00-0006 EA Horizontal Or Vertical Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8130).....	812.59	153.93
22 45 13 00-0007 EA Horizontal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8133H).....	1,082.36	153.93
22 45 13 00-0008 EA Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8100).....	865.27	175.91
22 45 13 00-0009 EA Wall Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Stainless Steel Push Flag (Haws 8111FP).....	948.41	197.91
22 45 13 00-0010 EA Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8169).....	865.74	197.91
22 45 13 00-0011 EA Concealed Ceiling Supply, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8163).....	883.14	197.91
22 45 13 00-0012 EA Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Pull Down Lever Ball Valve Mounted In A Recessed Stainless Steel Cabinet (Haws 8164).....	1,209.48	197.91
22 45 13 00-0013 Emergency Drench Showers (Speakman) (22 45 13 00-0001)		
Note: Includes one pull rod.		
22 45 13 00-0014 EA Vertical Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-220).....	479.21	153.93
22 45 13 00-0015 EA Horizontal Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-227).....	492.00	153.93
22 45 13 00-0016 EA Floor Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-253).....	750.71	175.91
22 45 13 00-0017 Emergency Drench Showers (Guardian) (22 45 13 00-0001)		
Note: Includes one pull rod.		
22 45 13 00-0018 EA All-Stainless Steel Handicapped Accessible Safety Station With WideArea™ Eye/Face Wash (Guardian GBF1994).....	3,169.06	153.93
22 45 13 00-0019 Emergency Drench Showers (WaterSaver) (22 45 13 00-0001)		
Note: Includes one pull rod.		
22 45 13 00-0020 EA Emergency Shower, Vertically Mounted (WaterSaver ES635).....	540.55	153.93
22 45 13 00-0021 EA Emergency Shower, Horizontally Mounted (WaterSaver ES643).....	550.73	153.93
22 45 13 00-0022 EA All-Stainless Steel, Emergency Shower, Horizontally Mounted (WaterSaver ES691).....	1,049.08	153.93
22 45 13 00-0023 EA Emergency Shower, Recess Mounted (WaterSaver ES629).....	823.68	197.91
22 45 13 00-0024 EA Emergency Shower, Semi-Concealed (WaterSaver ES658).....	1,053.92	197.91
22 45 16 Eyewash Equipment (22 45)		
22 45 16 00-0001 Emergency Eyewash Equipment (22 45 16)		
22 45 16 00-0002 Emergency Eyewash Equipment (Haws) (22 45 16 00-0001)		
22 45 16 00-0003 EA Faucet Mounted, Stainless Steel Emergency Eyewash (Haws Axion® eyePOD® 7620).....	235.05	4.40
22 45 16 00-0004 EA Wall Mounted, Freeze Protected, Emergency Eye Wash With Soft-Flo Heads And Stainless Steel Bowl (Haws 7433FP).....	1,139.87	197.91
22 45 16 00-0005 Emergency Eyewash Equipment (WaterSaver) (22 45 16 00-0001)		
22 45 16 00-0006 EA Auto Flow, Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805).....	454.64	43.98
22 45 16 00-0007 EA Auto Flow, Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805LH).....	454.64	43.98
22 45 16 00-0008 EA Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806).....	462.35	43.98
22 45 16 00-0009 EA Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806LH).....	462.35	43.98
22 45 16 00-0010 EA Stainless Steel Bowl, Emergency Eye Wash, Deck Mounted (WaterSaver EW822).....	603.90	43.98
22 45 16 00-0011 EA Swing-Down, Auto Flow, Emergency Eye Wash, Wall Mounted (WaterSaver EW848).....	683.64	43.98
22 45 16 00-0012 EA Swing-Down, Auto Flow, Emergency Eye Wash, Deck Mounted (WaterSaver EW849).....	683.64	43.98
22 45 16 00-0013 EA Right Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893).....	1,239.80	43.98
22 45 16 00-0014 EA Left Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893LH).....	1,239.80	43.98
22 45 16 00-0015 EA Right Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895).....	1,295.91	43.98
22 45 16 00-0016 EA Left Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895LH).....	1,295.91	43.98
22 45 16 00-0017 EA Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Wall Mounted (WaterSaver EW898).....	1,591.17	43.98
22 45 16 00-0018 EA Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW899).....	1,591.17	43.98
22 45 16 00-0019 EA Ball Valve With Flag Handle, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW808).....	889.66	153.93
22 45 16 00-0020 EA Push-Down Valve, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW810).....	878.78	153.93
22 45 16 00-0021 EA Stainless Steel Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814).....	664.27	153.93
22 45 16 00-0022 EA Stainless Steel Bowl And Cover, Emergency Eye Wash, Wall Mounted (WaterSaver EW814BC).....	890.49	153.93
22 45 16 00-0023 EA Plastic Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814P).....	583.51	153.93
22 45 23 Personal Eyewash Equipment (22 45)		
22 45 23 00-0001 Portable Eyewash Equipment (22 45 23)		
22 45 23 00-0002 Portable Eyewash Equipment (Bradley) (22 45 23 00-0001)		
22 45 23 00-0003 EA Portable (Wall Mounted) Heated Gravity-Fed Emergency Eye/Face Wash (Bradley S19-921H).....	1,459.08	13.19
22 45 26 Eye/Face Wash Equipment (22 45)		
22 45 26 00-0001 Emergency Eye/Face Wash Equipment (22 45 26)		
22 45 26 00-0002 Emergency Eye/Face Wash Equipment (Haws) (22 45 26 00-0001)		

22 Plumbing**22 40 Plumbing Fixtures****22 45 Emergency Plumbing Fixtures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 26 00-0003 EA Unmounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7460).....	598.44	109.95
Note: Excludes p-trap and tailpiece.		
22 45 26 00-0004 EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly Without Receptor (Haws 7324).....	608.08	153.93
22 45 26 00-0005 EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260B-7270B).....	595.03	153.93
Note: Excludes p-trap and tailpiece.		
22 45 26 00-0006 EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260BT-7270BT).....	646.37	153.93
Note: Excludes p-trap and tailpiece.		
22 45 26 00-0007 EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360B-7460B).....	651.59	153.93
Note: Excludes p-trap and tailpiece.		
22 45 26 00-0008 EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BT-7460BT).....	713.38	153.93
Note: Excludes p-trap and tailpiece.		
22 45 26 00-0009 EA Wall Mounted, Barrier-Free, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BTWC).....	960.53	153.93
22 45 26 00-0010 EA Wall Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl And Dust Cover (Haws 7778B).....	1,787.26	153.93
22 45 26 00-0011 EA Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7261-7271).....	743.44	175.91
22 45 26 00-0012 EA Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7361-7461).....	843.52	175.91
22 45 26 00-0013 EA Pedestal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7777).....	1,852.99	175.91
22 45 26 00-0014 EA Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7611).....	492.62	43.98
22 45 26 00-0015 EA Right Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612).....	475.22	43.98
22 45 26 00-0016 EA Left Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612LH).....	496.97	43.98
22 45 26 00-0017 EA Wall Or Deck Mounted, Barrier-Free, Swing-Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7610).....	623.16	43.98
22 45 26 00-0018 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCC).....	1,536.28	219.89
22 45 26 00-0019 EA Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCSM).....	1,844.29	175.91
22 45 26 00-0020 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCC).....	1,901.78	219.89
22 45 26 00-0021 EA Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCSM).....	2,218.49	175.91
22 45 26 00-0022 Emergency Eye/Face Wash Equipment (Speakman) (22 45 26 00-0001)		
22 45 26 00-0023 EA Wall Mounted, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-495).....	532.53	153.93
22 45 26 00-0024 EA Floor Mounted, DuraJade™ Finish, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-496).....	648.32	175.91
22 45 26 00-0025 Emergency Eye/Face Wash Equipment (WaterSaver) (22 45 26 00-0001)		
22 45 26 00-0026 EA Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl, Wall Mounted (WaterSaver FE724).....	806.23	153.93
22 45 26 00-0027 EA Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl And Cover, Wall Mounted (WaterSaver FE724BC).....	1,032.45	153.93
22 45 26 00-0028 EA Wide Area, Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE727).....	1,003.69	153.93
22 45 26 00-0029 EA Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE765).....	935.07	153.93
22 45 26 00-0030 EA Auto Flow, Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774).....	477.09	43.98
22 45 26 00-0031 EA Auto Flow, Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774LH).....	477.09	43.98
22 45 26 00-0032 EA Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775).....	463.70	43.98
22 45 26 00-0033 EA Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775LH).....	463.70	43.98
22 45 26 00-0034 EA Swing-Down, Auto Flow, Emergency Eye/Face Wash, Wall Mounted (WaterSaver FE778).....	693.70	43.98
22 45 26 00-0035 EA Swing-Down, Auto Flow, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE779).....	693.70	43.98
22 45 29 Hand-Held Emergency Drench Hoses (22 45)		
22 45 29 00-0001 Hand-Held Emergency Eye/Face/Body Wash With Hose (22 45 29)		
22 45 29 00-0002 Hand-Held Emergency Eye/Face/Body Wash With Hose (Haws) (22 45 29 00-0001)		
22 45 29 00-0003 EA Counter Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 8' Hose (Haws 8904).....	527.67	54.98
22 45 29 00-0004 EA Wall Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 12' Recoil Hose (Haws 8905).....	605.99	54.98
22 45 29 00-0005 Hand-Held Emergency Eye/Face/Body Wash With Hose (WaterSaver) (22 45 29 00-0001)		
22 45 29 00-0006 EA Emergency Drench Hose Unit, Deck Mounted (WaterSaver EW1020).....	379.73	54.98
22 45 29 00-0007 EA Emergency Drench Hose Unit, Wall Mounted (WaterSaver EW1025).....	352.87	54.98
22 45 29 00-0008 EA Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1014).....	510.94	54.98
22 45 29 00-0009 EA Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1022).....	481.04	54.98
22 45 29 00-0010 EA Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1026).....	491.75	54.98
22 45 29 00-0011 EA Ball Valve With Flag Handle, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028).....	632.71	54.98



Plumbing	22	22
Plumbing Fixtures	22 40	
Emergency Plumbing Fixtures	22 45	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 29 00-0012 EA Ball Valve With Flag Handle And Vacuum Breaker, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028VB).....	726.46	54.98
22 45 29 00-0013 EA Emergency Eye Wash Drench Hose Unit, 45 Degree Panel Mounted (WaterSaver EW1041).....	694.67	54.98
22 45 33 Combination Emergency Fixture Units (22 45)		
22 45 33 00-0001 Emergency Shower With Eye/Face Wash (22 45 33)		
22 45 33 00-0002 Emergency Shower With Eye/Face Wash (Haws) (22 45 33 00-0001)		
22 45 33 00-0003 EA Floor Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8330).....	3,117.17	285.87
22 45 33 00-0004 EA Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300FP).....	2,125.10	285.87
Note: Includes freeze protection bury valve.		
22 45 33 00-0005 EA Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300-8309).....	1,494.17	285.87
22 45 33 00-0006 EA Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300.158).....	2,351.36	285.87
22 45 33 00-0007 EA Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300CRP-8309CRP).....	1,737.84	285.87
22 45 33 00-0008 EA Floor Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8309WC).....	1,637.76	285.87
22 45 33 00-0009 EA Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317).....	1,407.15	285.87
22 45 33 00-0010 EA Floor Mounted, Corrosion Resistant, PVC Plastic, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8336).....	2,273.04	285.87
22 45 33 00-0011 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCC).....	2,486.25	285.87
22 45 33 00-0012 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCW).....	2,534.11	285.87
22 45 33 00-0013 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCC).....	2,825.64	285.87
22 45 33 00-0014 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan, Daylight Drain And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCDD).....	2,995.34	285.87
22 45 33 00-0015 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCW).....	2,947.48	285.87
22 45 33 00-0016 EA Floor Mounted, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP).....	4,383.37	285.87
22 45 33 00-0017 EA Floor Mounted, 220 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP.220V).....	4,618.34	285.87
22 45 33 00-0018 EA Floor Mounted, C1D1 Rated, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFPC1D1).....	9,709.24	285.87
22 45 33 00-0019 EA Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320-8325).....	1,407.15	285.87
22 45 33 00-0020 EA Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320CRP).....	1,585.55	285.87
22 45 33 00-0021 Emergency Shower With Eye/Face Wash (Speakman) (22 45 33 00-0001)		
22 45 33 00-0022 EA Floor Mounted, Emergency Drench Shower With Plastic Showerhead And Eye/Face Wash With Plastic Bowl (Speakman SE-690).....	1,227.28	285.87
22 45 33 00-0023 Emergency Shower With Eye/Face Wash (WaterSaver) (22 45 33 00-0001)		
22 45 33 00-0024 EA All-Stainless Steel, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS994).....	3,279.29	238.89
22 45 33 00-0025 EA Polished Chrome Construction, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS909PCC).....	3,347.47	238.89
22 45 33 00-0026 EA Emergency Shower With Eye Wash Station And Stainless Steel Bowl, Floor Mounted (WaterSaver SS902).....	1,426.10	238.89
22 45 33 00-0027 EA Emergency Shower With Eye Wash Station And Plastic Bowl, Floor Mounted (WaterSaver SS902P).....	1,320.03	238.89
22 45 33 00-0028 EA Emergency Shower With Eye Wash Station And Stainless Steel Bowl And Cover, Floor Mounted (WaterSaver SS902BC).....	1,652.31	238.89
22 45 36 Emergency Fixture Water-Tempering Equipment (22 45)		
22 45 36 00-0001 Emergency Fixture Water-Tempering Equipment (22 45 36)		
22 45 36 00-0002 Emergency Fixture Water-Tempering Equipment (Haws) (22 45 36 00-0001)		
22 45 36 00-0003 EA 10 GPM, 1/2" Inlet, 1/2" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EW).....	558.12	54.98
22 45 36 00-0004 EA 12 GPM, 1/2" Inlet, 3/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EFE).....	814.84	54.98
22 45 36 00-0005 EA 31 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201E).....	1,193.40	54.98
22 45 36 00-0006 EA 78 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9202E).....	1,406.61	54.98
22 45 36 00-0007 EA 31 GPM, 1" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws 9201H).....	1,989.67	54.98

22	Plumbing
22 40	Plumbing Fixtures
22 45	Emergency Plumbing Fixtures



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 36 00-0008 EA 12 GPM, 1/2" Inlet, 3/4" Outlet, Secondary High Temperature Limit Valve, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.EWE).....	2,098.45	54.98
22 45 36 00-0009 EA 74 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.SHE).....	3,521.29	54.98
22 45 36 00-0010 EA 78 GPM, 2" Inlet, 2" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.HF).....	4,230.54	54.98
22 45 36 00-0011 EA 1/2" Inlet, 1/2" Outlet, Brass Scald Protection Bleed Valve (Haws SP157B).....	623.39	54.98
22 45 39 Emergency Plumbing Fixture Accessories (22 45)		
22 45 39 00-0001 Emergency Plumbing Fixture Accessories (22 45 39)		
22 45 39 00-0002 Emergency Plumbing Fixture Accessories (Haws) (22 45 39 00-0001)		
22 45 39 00-0003 EA Pedestal Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220).....	143.97	17.59
22 45 39 00-0004 EA Wall Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220W).....	200.54	17.59
22 45 39 00-0005 EA Pedestal Mounted, Stainless Steel Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220SS).....	209.24	17.59
22 45 39 00-0006 EA Axion® MSR Stainless Steel Showerhead For Emergency Drench Showers (Haws SP829SS).....	230.75	6.60
22 45 39 00-0007 EA Stainless Steel Dust Cover For Emergency Eye/Face Wash Bowls (Haws 9102).....	235.05	4.40
22 45 39 00-0008 EA 3-Sided ABS Plastic Safety Sign For Emergency Combination Shower And Eyewash Units (Haws 9020).....	256.91	8.79
22 45 39 00-0009 EA Emergency Body Spray Kit With 8' Hose And ABS Plastic Head For Emergency Plumbing Fixtures (Haws 8901RFK).....	458.28	65.97
22 45 39 00-0010 EA Class 1, Div. 1, Group B, C And D, Indicator Light For Emergency Plumbing Fixtures (Haws 8317IDLTEXP).....	466.99	28.99
22 45 39 00-0011 EA Vapor Tight And Gasketed, Green Area Light For Emergency Plumbing Fixtures (Haws 8317LT).....	693.26	28.99
22 45 39 00-0012 EA Privacy Curtain For Horizontal Emergency Drench Shower Or Combination Emergency Drench Shower And Eyewash Units (Haws 9037).....	814.84	65.97
22 45 39 00-0013 EA Class 1, Div. 1, Group B, C And D, White Area Light For Emergency Plumbing Fixtures (Haws 8317LTEXP).....	1,541.74	28.99
22 45 39 00-0014 EA 1/2" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001.5).....	1,716.20	96.64
22 45 39 00-0015 EA 1-1/4" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001).....	1,751.01	96.64
22 45 39 00-0016 EA 1-1/4" Supply, Class 1, Division 2, Groups B, C, And D Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXP).....	3,239.12	96.64
22 45 39 00-0017 EA 1-1/4" Supply, 90 db, Class 1, Division 1, Groups C And D, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXPC1D1).....	6,154.42	96.64
22 45 39 00-0018 Emergency Plumbing Fixture Accessories (Speakman) (22 45 39 00-0001)		
22 45 39 00-0019 EA Privacy Curtain For Emergency Showers.....	776.88	65.97
Note: Curtain includes stainless steel curtain rod and mounting accessories.		
22 45 39 00-0020 Emergency Plumbing Fixture Accessories (WaterSaver) (22 45 39 00-0001)		
22 45 39 00-0021 EA Hand And Foot Control For Emergency Eyewash Equipment (WaterSaver HFC).....	100.45	14.33
22 46 Security Plumbing Fixtures (22 40)		
22 46 13 Security Water Closets And Urinals (22 46)		
22 46 13 13 Security Water Closets (22 46 13)		
22 46 13 13-0001 Security Water Closets (22 46 13 13)		
22 46 13 13-0002 EA Security Water Closet, Integral Seat, Back Supply And Flush Valve, Wall Hung, Wall Outlet, Cast Aluminum (Acorn 1675).....	3,694.82	219.89
For Angled Toilet, Add		21.99
For Offset Toilet, Add		347.49
22 46 13 13-0003 EA Security Water Closet, Integral Seat, Back Supply And Flush Valve, Floor Mount, Wall Outlet, Cast Aluminum (Acorn 1684).....	4,533.28	219.89
For Angled Toilet, Add		21.99
For Offset Toilet, Add		431.34
22 46 13 13-0004 EA Security Water Closet, Integral Seat, Back Supply And Flush Valve, Floor Mount, Floor Outlet, Cast Aluminum (Acorn 1695).....	4,606.74	219.89
For Angled Toilet, Add		21.99
For Offset Toilet, Add		438.69
22 46 13 13-0005 EA Recessed Tissue Holder For Security Water Closet, Stainless Steel (Acorn 1840).....	389.27	43.98
22 46 13 16 Security Urinals (22 46 13)		
22 46 13 16-0001 Security Urinals (22 46 13 16)		
22 46 13 16-0002 EA Security Urinal, Back Supply And Flush, Wall Hung, Stainless Steel (Acorn 1700).....	4,456.38	197.91
22 46 13 16-0003 EA Security Urinal, Back Supply And Flush, Stall, Stainless Steel (Acorn 1720).....	7,637.35	281.20
22 46 13 19 Security Combination Toilet and Lavatory (22 46 13)		
22 46 13 19-0001 Security Combination Toilet - Lavatory (22 46 13 19)		



Plumbing	22
Plumbing Fixtures	22 40
Security Plumbing Fixtures	22 46

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 46 13 19-0002	EA		15" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1415).....	6,873.03	272.67
			<i>For Angled Toilet, Add</i>	27.27	
			<i>For Offset Toilet, Add</i>	660.04	
			<i>For 15" Mirror/Shelf Module, Add</i>	822.67	
			<i>For AC Duplex Outlet Option, Add</i>	84.53	
			<i>For Intercom Option, Add</i>	129.53	
			<i>For 15" Wide Light/Ventilation Module, Add</i>	798.60	
22 46 13 19-0003	EA		18" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1418).....	7,074.20	285.87
			<i>For Angled Toilet, Add</i>	28.59	
			<i>For Offset Toilet, Add</i>	678.83	
			<i>For 18" Mirror/Shelf Module, Add</i>	860.86	
			<i>For AC Duplex Outlet Option, Add</i>	87.17	
			<i>For Intercom Option, Add</i>	132.17	
			<i>For 18" Wide Light/Ventilation Module, Add</i>	821.52	
22 46 13 19-0004	EA		20" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1420).....	7,222.18	299.06
			<i>For Angled Toilet, Add</i>	29.91	
			<i>For Offset Toilet, Add</i>	692.31	
			<i>For 20" Mirror/Shelf Module, Add</i>	909.06	
			<i>For AC Duplex Outlet Option, Add</i>	89.81	
			<i>For Intercom Option, Add</i>	134.81	
			<i>For 20" Wide Light/Ventilation Module, Add</i>	854.43	
22 46 13 19-0005	EA		26" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1426).....	7,739.99	312.25
			<i>For Angled Toilet, Add</i>	31.23	
			<i>For Offset Toilet, Add</i>	742.77	
			<i>For 26" Mirror/Shelf Module, Add</i>	947.25	
			<i>For AC Duplex Outlet Option, Add</i>	92.45	
			<i>For Intercom Option, Add</i>	137.45	
			<i>For 26" Wide Light/Ventilation Module, Add</i>	882.35	
22 46 13 19-0006	EA		28" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Floor Mounted, Stainless Steel (Acorn 1428).....	12,723.66	325.44
			<i>For Angled Toilet, Add</i>	32.54	
			<i>For Offset Toilet, Add</i>	1,239.82	
			<i>For 28" Mirror/Shelf Module, Add</i>	980.45	
			<i>For AC Duplex Outlet Option, Add</i>	95.09	
			<i>For Intercom Option, Add</i>	140.09	
			<i>For 28" Wide Light/Ventilation Module, Add</i>	910.27	
22 46 16 Security Lavatories And Sinks (22 46)					
22 46 16 13 Security Lavatories (22 46 16)					
22 46 16 13-0001 Security Lavatories (22 46 16 13)					
22 46 16 13-0002	EA		20" Security Lavatory, Wall Hung, Push Button Filler Valve, Rectangular Bowl, Stainless Steel (Acorn 1650).....	2,669.38	153.93
			<i>For Shelf, Add</i>	81.18	
22 46 16 13-0003	EA		18" Security Lavatory, Wall Hung, Push Button Filler Valve, Oval Bowl, Stainless Steel (Acorn 1655).....	2,718.01	153.93
			<i>For Shelf, Add</i>	81.18	
22 46 16 13-0004	EA		13" Security Lavatory, Wall Hung, Push Button Filler Valve, Oval Bowl, Corner Mount, Stainless Steel (Acorn 1660).....	3,128.71	153.93
			<i>For Shelf, Add</i>	81.18	
22 46 16 13-0005	EA		18" Security Lavatory, Wall Hung, Push Button Filler Valve, Multi Sided Bowl, Stainless Steel (Acorn 1656).....	2,718.01	153.93
			<i>For Shelf, Add</i>	81.18	
22 46 16 16 Security Sinks (22 46 16)					
22 46 16 16-0001 Security Sinks (22 46 16 16)					
22 46 16 16-0002	EA		22" x 16" x 10" Security Service Sink, With Soap Dish, Stainless Steel (Acorn 1642).....	5,878.22	234.41
22 46 16 16-0003 Security Mop Sink (22 46 16 16)					
22 46 16 16-0004	EA		24" x 24" x 10" Stainless Steel Mop Sink With Strainer (ACORN 1630).....	2,346.22	131.94
22 46 19 Security Showers (22 46)					
22 46 19 00-0001	EA		Security Shower Package For Built-in, Hot And Cold Faucets, Mixing Valve, Rectangular Soap Dish, Stainless Steel (Acorn 1741).....	877.18	117.42
22 46 19 00-0002	EA		Security Shower Head With Mixing Valves And Piping Assembly In Wall (Acorn 1743).....	671.64	61.57
22 46 19 00-0003	EA		30" Security Shower, Stainless Steel, Knock-Down (Acorn 1730-3M-KD).....	15,696.85	351.83
22 46 19 00-0004	EA		32" Security Shower, Stainless Steel, Knock-Down (Acorn 1732-3M-KD).....	16,284.53	351.83
22 46 19 00-0005	EA		36" Security Shower, Stainless Steel, Knock-Down (Acorn 1736-3M-KD).....	16,889.35	351.83
22 46 19 00-0006	EA		36" ADA Security Shower, Stainless Steel, Front Access (Acorn 1736-ADA-3M-FA).....	21,625.07	351.83
22 46 19 00-0007	EA		Wall Mounted Security Shower, Stainless Steel (Acorn 452).....	1,489.85	92.36
			<i>For PWT Electronic FV, Add</i>	148.00	
22 46 19 00-0008	EA		Wall Mounted ADA Security Shower, Stainless Steel (Acorn 452 ADA).....	1,830.21	92.36
			<i>For PWT Electronic FV, Add</i>	148.00	
22 46 56 Security Drinking Fountains (22 46)					

22	Plumbing
22 40	Plumbing Fixtures
22 46	Security Plumbing Fixtures



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 46 56 00-0001 Security Drinking Fountain <small>(22 46 56)</small> Note: Includes air control valve, bubbler with mouthguard and mounting bracket.		
22 46 56 00-0002 EA Wall Mounted Security Drinking Fountain, Stainless Steel (Acorn 1670-1-BP-3-FA).....	3,014.44	175.91
22 46 56 00-0003 EA Wall Mounted Security ADA Drinking Fountain, Stainless Steel (Acorn 1672-1-ADA-BP-3-FA).....	3,037.89	175.91
22 47 Drinking Fountains And Water Coolers <small>(22 40)</small>		
22 47 13 Drinking Fountains <small>(22 47)</small>		
22 47 13 00-0001 Indoor Drinking Fountains <small>(22 47 13)</small>		
22 47 13 00-0002 Face Mounted Indoor Drinking Fountain <small>(22 47 13 00-0001)</small>		
22 47 13 00-0003 EA Stainless Steel, Standard Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-S)	1,482.51	142.93
22 47 13 00-0004 EA Stainless Steel, Standard Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-SBP)	2,153.86	153.93
22 47 13 00-0005 EA Stainless Steel, Extended Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-E)	1,949.29	142.93
22 47 13 00-0006 EA Stainless Steel, Extended Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-EBP)	2,321.96	153.93
22 47 13 00-0007 EA Stainless Steel, Standard Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRF5)	998.10	142.93
22 47 13 00-0008 EA Stainless Steel, Standard Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners With Back Panel (Halsey-Taylor HRF5BP)	1,191.83	153.93
22 47 13 00-0009 EA Stainless Steel, Extended Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRF6)	1,127.23	142.93
22 47 13 00-0010 EA Stainless Steel, Extended Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRF6BP)	1,366.39	153.93
22 47 13 00-0011 Wall Mounted Indoor Drinking Fountain <small>(22 47 13 00-0001)</small>		
22 47 13 00-0012 EA Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor 5701)	1,028.17	153.93
22 47 13 00-0013 EA Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor HTHB-HAC8WF)	1,454.42	153.93
22 47 13 00-0014 EA Bi-Level, Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor HTHB-HAC8BLWF)	1,989.18	153.93
22 47 13 00-0015 Semi-Recessed Indoor Drinking Fountain <small>(22 47 13 00-0001)</small>		
22 47 13 00-0016 EA Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler (Halsey-Taylor 5801).....	1,377.00	164.92
22 47 13 00-0017 EA Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler And Cuspidor (Halsey-Taylor 5801C).....	2,935.60	164.92
22 47 13 00-0018 Fully Recessed Indoor Drinking Fountain <small>(22 47 13 00-0001)</small>		
22 47 13 00-0019 EA Stainless Steel Fully-Recessed, With Bubbler, Indoor Drinking Fountain (Halsey-Taylor 8880, Haws 2400).....	1,472.83	175.91
22 47 13 00-0020 EA Stainless Steel Fully-Recessed, With Bubbler And Cuspidor, Indoor Drinking Fountain (Halsey-Taylor 8800 With 10245, Haws 2403).....	2,668.57	175.91
22 47 13 00-0021 Countertop Indoor Drinking Fountain <small>(22 47 13 00-0001)</small>		
22 47 13 00-0022 EA Stainless Steel Countertop Circular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 10000)	615.17	109.95
22 47 13 00-0023 EA Stainless Steel Countertop Rectangular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6000)	592.66	109.95
22 47 13 00-0024 EA Stainless Steel Countertop Oval Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6028)	716.01	109.95
22 47 13 00-0025 Bowl And Bracket Indoor Drinking Fountain <small>(22 47 13 00-0001)</small>		
22 47 13 00-0026 EA Stainless Steel, Bowl And Bracket With Pushbutton Bubbler, Indoor Drinking Fountain (Halsey-Taylor 2501A).....	521.53	109.95
22 47 13 00-0027 EA Stainless Steel, Bowl And Bracket, Self Closing Lever Handle Stop, Indoor Drinking Fountain (Halsey-Taylor 4540)	626.09	109.95
22 47 13 00-0028 Multi-Station Indoor Drinking Fountain <small>(22 47 13 00-0001)</small>		
22 47 13 00-0029 EA Stainless Steel Two Station Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7020)	2,772.12	175.91
22 47 13 00-0030 EA Stainless Steel Three Station Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7030)	3,481.60	175.91
22 47 13 00-0031 EA Marblyte, Face-Mounted Two Station Indoor Drinking Fountain With Bubblers (Halsey-Taylor 7120).....	2,645.07	175.91
22 47 13 00-0032 EA White Enameled Iron Two Station Indoor Drinking Fountains With Bubblers (Haws 1430)	2,233.68	175.91
22 47 13 00-0033 EA White Enameled Iron Three Station Indoor Drinking Fountains With Bubblers (Haws 1435).....	2,808.13	175.91
22 47 13 00-0034 EA Stainless Steel, Bi-Level Indoor Drinking Fountain With Bubblers And Back Panel (Halsey-Taylor HRF5EBP, Haws 1119.14 With 6700.4)	2,453.74	224.40
22 47 13 00-0035 EA Cast Aluminum Two Station Indoor Drinking Fountains With Bubblers (Haws 1441)	3,097.57	175.91
22 47 13 00-0036 EA Cast Aluminum Three Station Indoor Drinking Fountains With Bubblers (Haws 1408).....	3,044.66	175.91
22 47 13 00-0037 Outdoor Drinking Fountains <small>(22 47 13)</small>		



Plumbing	22	22
Plumbing Fixtures	22 40	
Drinking Fountains And Water Coolers	22 47	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 13 00-0038	Face Mounted Outdoor Drinking Fountains <small>(22 47 13 00-0037)</small>	
22 47 13 00-0039 EA Stainless Steel Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFE-FR)	1,288.11	175.91
22 47 13 00-0040 EA Stainless Steel Freeze Resistant Face Mounted, With Back Panel, Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFEBP-FR).....	1,410.37	175.91
22 47 13 00-0041 EA Stone Aggregate Weather Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592)	1,357.28	175.91
22 47 13 00-0042 EA Stone Aggregate Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592-FR)	1,983.08	175.91
22 47 13 00-0043 EA Stainless Steel Face Mounted Outdoor Drinking Fountain With Bubbler (Oasis FLF140PM).....	1,138.42	175.91
Note: For use with remote chillers		
22 47 13 00-0044	Free Standing Outdoor Drinking Fountains <small>(22 47 13 00-0037)</small>	
22 47 13 00-0045 EA Steel Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715)	2,429.21	164.92
22 47 13 00-0046 EA Steel Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715-FR)	3,404.91	164.92
22 47 13 00-0047 EA Steel Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710).....	2,425.97	164.92
22 47 13 00-0048 EA Steel Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710-FR)	3,342.59	164.92
22 47 13 00-0049 EA Steel Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720)	3,603.06	175.91
22 47 13 00-0050 EA Steel Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720-FR)	3,668.21	175.91
22 47 13 00-0051 EA Stone Aggregate Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4591)	1,373.89	164.92
22 47 13 00-0052 EA Stone Aggregate Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590)	2,358.43	164.92
22 47 13 00-0053 EA Stone Aggregate Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590-FR)	3,334.12	164.92
22 47 13 00-0054 EA Stone Aggregate Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595)	3,922.39	175.91
22 47 13 00-0055 EA Stone Aggregate Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595-FR)	5,497.33	175.91
22 47 16	Pressure Water Coolers <small>(22 47)</small>	
22 47 16 00-0001	Indoor Water Coolers <small>(22 47 16)</small>	
22 47 16 00-0002	Face Mounted Indoor Water Coolers <small>(22 47 16 00-0001)</small>	
22 47 16 00-0003 EA Stainless Steel, Semi-Circular Water Cooler With Bubbler, Face-Mounted, Extended Length, 180 Degree Push Bar, 7.5 GPH (Halsey-Taylor OVL-II ER-Q).....	2,785.02	175.91
22 47 16 00-0004 EA Stainless Steel, Semi-Circular Water Cooler, Electronic Sensor, Face-Mounted, Extended Length, With Bubbler, 7.5 GPH (Halsey-Taylor OVL-II EREE-Q)	2,972.44	175.91
22 47 16 00-0005	Wall Mounted Indoor Water Coolers <small>(22 47 16 00-0001)</small>	
22 47 16 00-0006 EA Stainless Steel Wall-Mounted Compact Water Cooler, 4 GPH, With Bubbler, (Halsey-Taylor SW4A-Q)	1,333.15	175.91
22 47 16 00-0007 EA Stainless Steel Wall-Mounted Compact Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SW8A-Q)	1,381.41	175.91
22 47 16 00-0008 EA Stainless Steel Wall-Mounted Compact Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SW14A-Q)	1,532.63	175.91
22 47 16 00-0009 EA Stainless Steel Wall-Mounted Vandal Resistant Compact Water Cooler With Bubbler, 8 GPH (Halsey-Taylor SW8A-VR-Q-SS)	1,590.55	175.91
22 47 16 00-0010 EA Stainless Steel Wall-Mounted Vandal Resistant Barrier Free Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8-CHILD ADA)	1,181.93	175.91
22 47 16 00-0011 EA Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor WC8AFS-Q-SS)	1,366.93	175.91
22 47 16 00-0012 EA Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor HAC8FS-Q Child SS)	1,078.17	175.91
22 47 16 00-0013 EA Stainless Steel Wall-Mounted Water Cooler, 8 GPH, With Bubbler, (Halsey-Taylor HAC8VR-BL)	1,614.94	175.91
22 47 16 00-0014 EA Stainless Steel, Wall Mounted, Barrier Free, Bi-Level Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HAC8FSBL-Q-SS).....	1,805.07	263.87
22 47 16 00-0015	Simulated Recessed Indoor Water Coolers <small>(22 47 16 00-0001)</small>	
22 47 16 00-0016 EA Stainless Steel Simulated Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RWM8A-Q)	1,587.19	175.91
22 47 16 00-0017	Fully Recessed Indoor Water Coolers <small>(22 47 16 00-0001)</small>	
22 47 16 00-0018 EA Stainless Steel Fully-Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RC8A-Q)	3,071.88	197.91
22 47 16 00-0019 EA Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser, 8 GPH (Halsey-Taylor RC8AQ + 14762)	3,748.88	197.91
22 47 16 00-0020 EA Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser And Glass Filler, 8 GPH (Halsey-Taylor RC8A-Q-14700).....	4,385.46	197.91
22 47 16 00-0021	Free Standing Indoor Water Coolers <small>(22 47 16 00-0001)</small>	
22 47 16 00-0022 EA Stainless Steel, Free-Standing Indoor Water Cooler, 4 GPH, With Bubbler (Halsey-Taylor SCWT4A-Q).....	1,283.53	153.93
22 47 16 00-0023 EA Stainless Steel, Free-Standing Indoor Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SCWT8A-Q)	1,377.64	153.93
22 47 16 00-0024 EA Stainless Steel, Free-Standing Indoor Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SCWT14A-Q).....	1,561.84	153.93
22 47 16 00-0025 EA Stainless Steel, Free-Standing Vandal Resistant Water Cooler With Bubbler, 14 GPH (Halsey-Taylor SCWT14A-VR-Q)	1,736.39	153.93
22 47 16 00-0026	Bottled Water Coolers <small>(22 47 16 00-0001)</small>	
22 47 16 00-0027 EA Free-Standing Bottled Water Cooler With Chilled Or Room Temperature Water	447.23	87.96
22 47 16 00-0028 EA Free-Standing Bottled Water Cooler With Chilled Or Hot Water	533.67	87.96

22 Plumbing**22 40 Plumbing Fixtures****22 47 Drinking Fountains And Water Coolers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 16 00-0029 Multi-Station Indoor Water Coolers (22 47 16 00-0001)		
22 47 16 00-0030 EA Stainless Steel, Wall Mounted, Two Station, Semi-Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II SER-Q)	3,079.98	263.87
22 47 16 00-0031 EA Stainless Steel, Wall Mounted, Two Station, Electronic Sensor Semi Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II-SEREE-Q).....	4,702.38	263.87
22 47 16 00-0032 EA Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BL-CHILD ADA-SS)	1,955.48	263.87
22 47 16 00-0033 Outdoor Water Coolers (22 47 16)		
22 47 16 00-0034 Wall Mounted Outdoor Water Coolers (22 47 16 00-0033)		
22 47 16 00-0035 EA Stainless Steel, Wall Mounted, Barrier Free, Vandal Resistant, Frost Resistant Outdoor Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8FR-CHILD ADA-SS).....	1,376.91	109.95
22 47 16 00-0036 EA Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Outdoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BLFR-CHILD ADA-SS).....	2,362.71	109.95
22 47 16 00-0037 Free Standing Outdoor Water Coolers (22 47 16 00-0033)		
22 47 16 00-0038 EA Stainless Steel Free-Standing Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-Q)	2,270.75	164.92
22 47 16 00-0039 EA Stainless Steel Free-Standing Frost Resistant Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-FR-Q).....	2,721.20	164.92
22 47 16 00-0040 Removal And Reinstallation Of Fixtures And Trim (22 47 16)		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 47 16 00-0041 EA Removal And Reinstallation Of Wall Hung Water Cooler.....	428.18	
22 47 16 00-0042 EA Removal And Reinstallation Of Floor Mount Water Cooler	95.56	
22 47 19 Water-Station Water Coolers (22 47)		
22 47 19 00-0001 Bottle Filler (22 47 19)		
22 47 19 00-0002 EA Outdoor Tubular Bottle Filling Station, Surface Mount (Elkay LK4410BF).....	3,281.90	175.91
For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0003 EA Outdoor Tubular Bottle Filling Station, Surface Mount, Freeze Resistant (Elkay LK4410BFFRK)	4,151.34	175.91
For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0004 EA Tri-level Outdoor Tubular Bottle Filling Station With Single Bottle Filler And Two Drinking Fountain Basins, Surface Mount (Elkay LK4430BF1)	5,328.01	197.91
For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0005 EA Tri-level Outdoor Tubular Bottle Filling Station With Two Bottle Fillers And Single Drinking Fountain Basin, Surface Mount (Elkay LK4430BF2)	5,756.52	197.91
For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0006 EA Tri-level Outdoor Tubular Bottle Filling Station With Three Bottle Fillers, Surface Mount (Elkay LK4430BF3)	6,185.02	197.91
For Stainless Steel Carrier, Add	205.00	
22 47 23 Remote Water Coolers (22 47)		
22 47 23 00-0001 Remote Chillers (22 47 23)		
22 47 23 00-0002 EA 1.5 GPH Remote Chiller (Halsey-Taylor SJ1-Q).....	792.80	59.37
22 47 23 00-0003 EA 5 GPH Remote Chiller (Halsey-Taylor SJ5-Q).....	1,203.34	65.97
22 47 23 00-0004 EA 8 GPH Remote Chiller (Halsey-Taylor SJ8-Q).....	1,035.51	76.96
22 47 23 00-0005 EA 10 GPH Remote Chiller (Halsey-Taylor SJ10-Q).....	1,331.78	87.96
22 47 23 00-0006 EA 19 GPH Remote Chiller (Halsey-Taylor SJ19-Q).....	2,085.76	131.94
22 47 23 00-0007 EA 30 GPH Remote Chiller (Halsey-Taylor SJ30-Q).....	2,261.37	142.93
22 47 26 Fixture Carriers (22 47)		
22 47 26 00-0001 Water Cooler Carriers (22 47 26)		
22 47 26 00-0002 Floor Mounted, Water Cooler Carriers (22 47 26 00-0001)		
Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 47 26 00-0003 EA Floor Mounted Hanger Plate Type, Single Water Cooler Carrier	354.86	33.43
For Up To 4" Extension Sleeves And Hardware, Add	16.23	
For Bi-Level Carrier, Add	191.43	
22 47 26 00-0004 EA Floor Mounted Bearing Plate Type, Single Water Cooler Carrier.....	384.24	33.43
For Up To 4" Extension Sleeves And Hardware, Add	16.23	
For Bi-Level Carrier, Add	191.43	
22 50 Pool And Fountain Plumbing Systems (22)		
22 51 Swimming Pool Plumbing Systems (22 50)		
22 51 13 Swimming Pool Piping (22 51)		
22 51 13 00-0001 Swimming Pool Gutters (22 51 13)		
22 51 13 00-0002 LF Swimming Pool Gutters, Stainless.....	251.14	19.79



MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 51 19 Swimming Pool Water Treatment Equipment (22 51)

22 51 19 00-0001 Swimming Pool Heaters (22 51 19)
 Note: Excludes wiring, external piping, base or pad. Commercial pools.

22 51 19 00-0002		Electric Pool Heaters (22 51 19 00-0001)		
22 51 19 00-0003	EA	12 KW Heater (1 Degree/Hour), For 4,800 Gallon Pool.....	5,421.84	175.91
22 51 19 00-0004	EA	18 KW Heater (1 Degree/Hour), For 7,200 Gallon Pool.....	6,077.58	189.11
22 51 19 00-0005	EA	24 KW Heater (1 Degree/Hour), For 9,600 Gallon Pool.....	6,728.81	219.89
22 51 19 00-0006	EA	30 KW Heater (1 Degree/Hour), For 12,000 Gallon Pool.....	7,053.61	263.87
22 51 19 00-0007	EA	36 KW Heater (1 Degree/Hour), For 14,400 Gallon Pool.....	7,583.65	369.42
22 51 19 00-0008	EA	60 KW Heater (1 Degree/Hour), For 24,000 Gallon Pool.....	8,459.90	527.74

22 51 19 00-0009		Gas Fired Pool Heaters (22 51 19 00-0001)		
22 51 19 00-0010	EA	120 MBH Output Gas Fired Pool Heater	4,577.55	829.12
22 51 19 00-0011	EA	180 MBH Output Gas Fired Pool Heater	5,200.67	947.57
22 51 19 00-0012	EA	240 MBH Output Gas Fired Pool Heater	5,875.56	1,066.02
22 51 19 00-0013	EA	300 MBH Output Gas Fired Pool Heater	6,776.71	1,302.91
22 51 19 00-0014	EA	360 MBH Output Gas Fired Pool Heater	6,884.17	1,339.31
22 51 19 00-0015	EA	400 MBH Output Gas Fired Pool Heater	8,046.02	1,627.59
22 51 19 00-0016	EA	500 MBH Output Gas Fired Pool Heater	12,584.72	1,877.99
22 51 19 00-0017	EA	600 MBH Output Gas Fired Pool Heater	14,580.95	2,065.78
22 51 19 00-0018	EA	750 MBH Output Gas Fired Pool Heater	16,434.41	2,253.59
22 51 19 00-0019	EA	1,000 MBH Output Gas Fired Pool Heater	21,047.82	2,660.49

22 51 19 00-0020		Surge Tanks (22 51 19)		
		Note: Includes 100 GPM vertical pump with 2 HP motor and electronic float switch. Prices are for 1' To 5' sump depth for pump.		
22 51 19 00-0021	EA	1,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	12,401.02	660.54
22 51 19 00-0022	EA	1,500 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	13,849.02	660.54
22 51 19 00-0023	EA	2,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	16,744.04	836.28
22 51 19 00-0024	EA	5,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	22,382.35	1,349.67

22 51 19 00-0025		Diatomite Type Filter System (22 51 19)		
22 51 19 00-0026	EA	35,000 Gallon Filter System, Diatomite	12,721.91	2,293.74
22 51 19 00-0027	EA	45,000 Gallon Filter System, Diatomite	15,114.01	2,752.49

22 51 19 00-0028		Silver Recovery System, X-Ray Film Processing (22 51 19)		
22 51 19 00-0029	EA	20 Gallon/Day Capacity, Silver Recovery System	2,307.83	298.62
22 51 19 00-0030	EA	40 Gallon/Day Capacity, Silver Recovery System	3,439.96	398.20

22 51 19 00-0031		Inline Water Filter (22 51 19)		
		Note: 3/8" NPT threaded inlet and outlet, 125 PSI, includes one filter cartridge.		
22 51 19 00-0032	EA	2 GPM Water Filter, 100 Degree Temperature, 8" x 5" Diameter, Plastic Body.....	270.02	87.96
22 51 19 00-0033	EA	6 GPM Water Filter, 250 Degree Temperature, 12" x 5" Diameter, Stainless Steel Body	555.14	131.94

22 51 19 00-0034 **Ultra-Violet Pool Treatment Lights (22 51 19)**

22 51 19 00-0035		Stainless Steel Ultra-Violet Pool Treatment Lights (22 51 19 00-0034)		
		Note: Delta ELP Amalgam Series		
22 51 19 00-0036	EA	3" Flanged, 79 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	8,773.81	265.79
22 51 19 00-0037	EA	3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	9,270.49	265.79
22 51 19 00-0038	EA	3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	9,696.21	265.79
22 51 19 00-0039	EA	4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	10,005.32	281.34
22 51 19 00-0040	EA	4" Flanged, 295 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	10,216.30	281.34
22 51 19 00-0041	EA	4" Flanged, 329 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	12,132.02	281.34
22 51 19 00-0042	EA	6" Flanged, 396 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	14,377.55	499.19
22 51 19 00-0043	EA	6" Flanged, 440 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	21,232.29	499.19
22 51 19 00-0044	EA	6" Flanged, 650 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	23,291.66	499.19
22 51 19 00-0045	EA	8" Flanged, 695 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	25,000.70	598.86
22 51 19 00-0046	EA	8" Flanged, 920 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	26,835.08	598.86
22 51 19 00-0047	EA	8" Flanged, 1140 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	28,115.70	598.86
22 51 19 00-0048	EA	8" Flanged, 1260 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	29,500.15	598.86
22 51 19 00-0049	EA	10" Flanged, 1510 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	31,699.99	680.72
22 51 19 00-0050	EA	10" Flanged, 1760 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	34,122.77	680.72
22 51 19 00-0051	EA	10" Flanged, 2010 GPM, 8 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	36,545.55	680.72
22 51 19 00-0052	EA	10" Flanged, 2520 GPM, 10 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	39,487.50	680.72

22 51 19 00-0053		HDPE Ultra-Violet Pool Treatment Lights (22 51 19 00-0034)		
		Note: Delta EL Series		
22 51 19 00-0054	EA	3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	4,421.48	265.79
22 51 19 00-0055	EA	3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	4,906.02	265.79
22 51 19 00-0056	EA	4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	5,414.01	281.34

22 Plumbing**22 50 Pool And Fountain Plumbing Systems****22 51 Swimming Pool Plumbing Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 51 19 00-0057	In-Line, Stainless Steel Ultra-Violet Pool Treatment Lights (22 51 19 00-0034)		
Note: Delta EM Series			
22 51 19 00-0058	EA 3" Flanged, 100 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	16,881.48	265.79
22 51 19 00-0059	EA 3" Flanged, 170 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	17,054.52	265.79
22 51 19 00-0060	EA 6" Flanged, 300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	18,279.97	499.19
22 51 19 00-0061	EA 6" Flanged, 600 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	23,104.75	499.19
22 51 19 00-0062	EA 8" Flanged, 1300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	32,199.81	598.86
22 51 19 00-0063	EA 10" Flanged, 2000 GPM, 2 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing....	36,337.89	680.72
22 51 19 00-0064	EA 12" Flanged, 3000 GPM, 3 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing....	42,871.78	880.88
22 51 19 00-0065	EA 12" Flanged, 4000 GPM, 4 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing....	48,063.44	880.88

22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities (22)**22 63 Gas Systems For Laboratory And Healthcare Facilities (22 60)****22 63 13 Gas Piping For Laboratory And Healthcare Facilities (22 63)****22 63 13 53 Laboratory Gas Piping (22 63 13)**

See CSI section 23 21 13 23-0001 for black steel pipe, 23 21 13 23-2085 for PVC piping.

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities (22 60)**22 66 53 Laboratory Chemical-Waste And Vent Piping (22 66)**

22 66 53 00-0001	Polypropylene Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings (22 66 53)		
22 66 53 00-0002	Schedule 40 Polypropylene Acid Resistant DWV Pipe And Fittings (22 66 53 00-0001)		
22 66 53 00-0003	Schedule 40 Polypropylene Acid Resistant DWV Pipe (22 66 53 00-0002)		
22 66 53 00-0004	LF 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	15.29	5.01
	For Schedule 80, Add	4.02	
	For Fire Retardant Thermoplastic Pipe (Proxylene), Add	3.44	
	For Work In Restricted Working Space, Add	2.27	
22 66 53 00-0005	LF 2" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	18.96	5.62
	For Schedule 80, Add	5.44	
	For Fire Retardant Thermoplastic Pipe (Proxylene), Add	4.65	
	For Work In Restricted Working Space, Add	2.55	
22 66 53 00-0006	LF 3" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	31.20	8.18
	For Schedule 80, Add	9.82	
	For Fire Retardant Thermoplastic Pipe (Proxylene), Add	8.41	
	For Work In Restricted Working Space, Add	3.69	
22 66 53 00-0007	LF 4" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	42.81	10.65
	For Schedule 80, Add	13.95	
	For Fire Retardant Thermoplastic Pipe (Proxylene), Add	11.93	
	For Work In Restricted Working Space, Add	4.80	
22 66 53 00-0008	LF 6" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	71.79	15.66
	For Schedule 80, Add	25.14	
	For Fire Retardant Thermoplastic Pipe (Proxylene), Add	21.51	
	For Work In Restricted Working Space, Add	7.04	
22 66 53 00-0009	Schedule 40 Polypropylene Acid Resistant DWV Fused 1/4 Bends (22 66 53 00-0002)		
22 66 53 00-0010	EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fused 1/4 Bend.....	59.58	18.91
	For Work In Restricted Working Space, Add	8.51	
22 66 53 00-0011	EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fused 1/4 Bend.....	76.19	24.98
	For Work In Restricted Working Space, Add	11.23	
22 66 53 00-0012	EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fused 1/4 Bend.....	108.70	28.59
	For Work In Restricted Working Space, Add	12.87	
22 66 53 00-0013	EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fused 1/4 Bend.....	161.49	37.82
	For Work In Restricted Working Space, Add	17.03	
22 66 53 00-0014	EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fused 1/4 Bend.....	341.18	55.85
	For Work In Restricted Working Space, Add	25.13	
22 66 53 00-0015	Schedule 40 Polypropylene Acid Resistant DWV Fused 1/8 Bends (22 66 53 00-0002)		
22 66 53 00-0016	EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fused 1/8 Bend.....	59.04	18.91
	For Work In Restricted Working Space, Add	8.51	
22 66 53 00-0017	EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fused 1/8 Bend.....	74.78	24.98
	For Work In Restricted Working Space, Add	11.23	
22 66 53 00-0018	EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fused 1/8 Bend.....	111.39	28.59
	For Work In Restricted Working Space, Add	12.87	
22 66 53 00-0019	EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fused 1/8 Bend.....	134.42	37.82
	For Work In Restricted Working Space, Add	17.03	
22 66 53 00-0020	EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fused 1/8 Bend.....	299.23	55.85
	For Work In Restricted Working Space, Add	25.13	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 66 53 00-0021	Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tees <small>(22 66 53 00-0002)</small>		
	22 66 53 00-0022	EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	99.42 18.20	40.46
	22 66 53 00-0023	EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	122.91 22.94	51.01
	22 66 53 00-0024	EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	176.66 25.13	55.85
	22 66 53 00-0025	EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	249.06 32.99	73.36
	22 66 53 00-0026	EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	452.57 52.77	117.33
	22 66 53 00-0027	Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tees <small>(22 66 53 00-0002)</small>		
	22 66 53 00-0028	EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	122.85 22.94	51.01
	22 66 53 00-0029	EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	170.17 25.13	55.85
	22 66 53 00-0030	EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	164.41 25.13	55.85
	22 66 53 00-0031	EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	234.27 32.99	73.36
	22 66 53 00-0032	EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	239.85 32.99	73.36
	22 66 53 00-0033	EA 6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	411.40 52.77	117.33
	22 66 53 00-0034	Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tees With Plug <small>(22 66 53 00-0002)</small>		
	22 66 53 00-0035	EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug <i>For Work In Restricted Working Space, Add</i>	118.34 18.20	40.46
	22 66 53 00-0036	EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug <i>For Work In Restricted Working Space, Add</i>	127.49 22.94	51.01
	22 66 53 00-0037	EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug <i>For Work In Restricted Working Space, Add</i>	190.66 25.13	55.85
	22 66 53 00-0038	EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug <i>For Work In Restricted Working Space, Add</i>	255.52 32.99	73.36
	22 66 53 00-0039	EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug <i>For Work In Restricted Working Space, Add</i>	372.74 52.77	117.33
	22 66 53 00-0040	Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wyes <small>(22 66 53 00-0002)</small>		
	22 66 53 00-0041	EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	110.04 18.20	40.46
	22 66 53 00-0042	EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	132.75 22.94	51.01
	22 66 53 00-0043	EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	182.52 25.13	55.85
	22 66 53 00-0044	EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	253.92 32.99	73.36
	22 66 53 00-0045	EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	541.39 52.77	117.33
	22 66 53 00-0046	Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wyes <small>(22 66 53 00-0002)</small>		
	22 66 53 00-0047	EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	145.75 22.94	51.01
	22 66 53 00-0048	EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	175.84 25.13	55.85
	22 66 53 00-0049	EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	175.84 25.13	55.85
	22 66 53 00-0050	EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	248.15 32.99	73.36
	22 66 53 00-0051	EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	248.15 32.99	73.36
	22 66 53 00-0052	EA 6" x 6" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	464.88 52.77	117.33
	22 66 53 00-0053	EA 6" x 6" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	469.36 52.77	117.33
	22 66 53 00-0054	EA 6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	413.28 52.77	117.33
	22 66 53 00-0055	Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Crosses <small>(22 66 53 00-0002)</small>		
	22 66 53 00-0056	EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross <i>For Work In Restricted Working Space, Add</i>	136.59 22.75	50.57

22 Plumbing**22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0057 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	168.40 28.68	63.77
22 66 53 00-0058 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	250.34 31.41	69.84
22 66 53 00-0059 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	355.50 41.23	91.65
22 66 53 00-0060 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	653.58 65.97	146.62
22 66 53 00-0061 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bends (22 66 53 00-0002)		
22 66 53 00-0062 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	95.95 18.20	40.46
22 66 53 00-0063 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	128.05 22.94	51.01
22 66 53 00-0064 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	149.74 25.13	55.85
22 66 53 00-0065 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	212.56 32.99	73.36
22 66 53 00-0066 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	112.70 22.94	51.01
22 66 53 00-0067 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	143.57 25.13	55.85
22 66 53 00-0068 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	146.05 25.13	55.85
22 66 53 00-0069 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	203.38 32.99	73.36
22 66 53 00-0070 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	204.95 32.99	73.36
22 66 53 00-0071 Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Traps (22 66 53 00-0002)		
22 66 53 00-0072 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	114.63 21.11	46.97
22 66 53 00-0073 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	153.50 27.78	61.75
22 66 53 00-0074 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	245.46 37.70	83.83
22 66 53 00-0075 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	361.26 47.98	106.70
22 66 53 00-0076 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapters (22 66 53 00-0002)		
22 66 53 00-0077 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	58.10 8.51	18.91
22 66 53 00-0078 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	68.42 11.23	24.98
22 66 53 00-0079 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	81.25 12.87	28.59
22 66 53 00-0080 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	112.02 17.03	37.82
22 66 53 00-0081 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	166.54 25.13	55.85
22 66 53 00-0082 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapters (22 66 53 00-0002)		
22 66 53 00-0083 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	54.38 8.51	18.91
22 66 53 00-0084 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	71.24 11.23	24.98
22 66 53 00-0085 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	86.42 12.87	28.59
22 66 53 00-0086 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	117.09 17.03	37.82
22 66 53 00-0087 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Couplings (22 66 53 00-0002)		
22 66 53 00-0088 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	49.74 8.51	18.91
22 66 53 00-0089 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	62.90 11.23	24.98
22 66 53 00-0090 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	73.82 12.87	28.59
22 66 53 00-0091 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	97.64 17.03	37.82
22 66 53 00-0092 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	143.20 25.13	55.85



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0093 Glass Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings (22 66 53)		
22 66 53 00-0094 Glass Acid Resistant DWV Pipe (22 66 53 00-0093)		
22 66 53 00-0095 LF 1-1/2" Glass Acid Resistant DWV Pipe.....	19.69	4.84
For Work In Restricted Working Space, Add	2.90	
22 66 53 00-0096 LF 2" Glass Acid Resistant DWV Pipe.....	24.19	5.27
For Work In Restricted Working Space, Add	3.17	
22 66 53 00-0097 LF 3" Glass Acid Resistant DWV Pipe.....	33.55	7.39
For Work In Restricted Working Space, Add	4.45	
22 66 53 00-0098 LF 4" Glass Acid Resistant DWV Pipe.....	53.25	9.59
For Work In Restricted Working Space, Add	5.76	
22 66 53 00-0099 LF 6" Glass Acid Resistant DWV Pipe.....	87.23	13.11
For Work In Restricted Working Space, Add	7.85	
22 66 53 00-0100 Glass Acid Resistant DWV 90 Or 60 Degree Sweeps (22 66 53 00-0093)		
22 66 53 00-0101 EA 1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	64.31	21.55
For Work In Restricted Working Space, Add	12.90	
22 66 53 00-0102 EA 2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep.....	72.54	22.87
For Work In Restricted Working Space, Add	13.70	
22 66 53 00-0103 EA 3" Glass Acid Resistant DWV 90 Or 60 Degree Sweep.....	96.19	25.95
For Work In Restricted Working Space, Add	15.57	
22 66 53 00-0104 EA 4" Glass Acid Resistant DWV 90 Or 60 Degree Sweep.....	139.32	34.30
For Work In Restricted Working Space, Add	20.58	
22 66 53 00-0105 EA 6" Glass Acid Resistant DWV 90 Or 60 Degree Sweep.....	310.51	47.50
For Work In Restricted Working Space, Add	28.50	
22 66 53 00-0106 Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweeps (22 66 53 00-0093)		
22 66 53 00-0107 EA 1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	64.50	21.63
For Work In Restricted Working Space, Add	12.96	
22 66 53 00-0108 EA 2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	72.18	22.61
For Work In Restricted Working Space, Add	13.59	
22 66 53 00-0109 EA 3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	96.01	25.86
For Work In Restricted Working Space, Add	15.52	
22 66 53 00-0110 EA 4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	139.32	34.30
For Work In Restricted Working Space, Add	20.58	
22 66 53 00-0111 EA 6" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	310.49	47.50
For Work In Restricted Working Space, Add	28.49	
22 66 53 00-0112 Glass Acid Resistant DWV 90 Or 60 Degree Bends (22 66 53 00-0093)		
22 66 53 00-0113 EA 1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Bend.....	65.08	21.63
For Work In Restricted Working Space, Add	12.96	
22 66 53 00-0114 EA 2" Glass Acid Resistant DWV 90 Or 60 Degree Bend.....	72.88	22.61
For Work In Restricted Working Space, Add	13.59	
22 66 53 00-0115 EA 3" Glass Acid Resistant DWV 90 Or 60 Degree Bend.....	97.23	25.86
For Work In Restricted Working Space, Add	15.52	
22 66 53 00-0116 EA 4" Glass Acid Resistant DWV 90 Or 60 Degree Bend.....	139.32	34.30
For Work In Restricted Working Space, Add	20.58	
22 66 53 00-0117 Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bends (22 66 53 00-0093)		
22 66 53 00-0118 EA 1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend.....	65.08	21.63
For Work In Restricted Working Space, Add	12.96	
22 66 53 00-0119 EA 2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend.....	72.88	22.61
For Work In Restricted Working Space, Add	13.59	
22 66 53 00-0120 EA 3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend.....	97.23	25.86
For Work In Restricted Working Space, Add	15.52	
22 66 53 00-0121 EA 4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend.....	139.32	34.30
For Work In Restricted Working Space, Add	20.58	
22 66 53 00-0122 Glass Acid Resistant DWV 90 Degree Bends With Long Leg (22 66 53 00-0093)		
22 66 53 00-0123 EA 1-1/2" Glass Acid Resistant DWV 90 Degree Bend With Long Leg.....	73.39	21.63
For Work In Restricted Working Space, Add	12.96	
22 66 53 00-0124 EA 2" Glass Acid Resistant DWV 90 Degree Bends With Long Leg	84.81	22.61
For Work In Restricted Working Space, Add	13.59	
22 66 53 00-0125 Glass Acid Resistant DWV Double Quarter Bends (22 66 53 00-0093)		
22 66 53 00-0126 EA 1-1/2" Glass Acid Resistant DWV Double Quarter Bend	102.85	32.37
For Work In Restricted Working Space, Add	19.44	
22 66 53 00-0127 EA 2" x 1-1/2" Glass Acid Resistant DWV Double Quarter Bend	124.64	33.52
For Work In Restricted Working Space, Add	20.11	
22 66 53 00-0128 EA 2" Glass Acid Resistant DWV Double Quarter Bend	117.88	33.95
For Work In Restricted Working Space, Add	20.39	
22 66 53 00-0129 EA 3" Glass Acid Resistant DWV Double Quarter Bend	154.99	38.79
For Work In Restricted Working Space, Add	23.28	
22 66 53 00-0130 EA 4" Glass Acid Resistant DWV Double Quarter Bend	247.64	51.46
For Work In Restricted Working Space, Add	30.87	

22 Plumbing**22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0131 EA 6" Glass Acid Resistant DWV Double Quarter Bend <i>For Work In Restricted Working Space, Add</i>	374.84 42.75	71.25
22 66 53 00-0132 Glass Acid Resistant DWV Sanitary Tees (22 66 53 00-0093)		
22 66 53 00-0133 EA 1-1/2" Glass Acid Resistant DWV Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	99.43 19.53	32.54
22 66 53 00-0134 EA 2" Glass Acid Resistant DWV Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	102.07 20.32	33.87
22 66 53 00-0135 EA 3" Glass Acid Resistant DWV Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	128.63 23.22	38.70
22 66 53 00-0136 EA 4" Glass Acid Resistant DWV Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	194.81 30.87	51.46
22 66 53 00-0137 EA 6" Glass Acid Resistant DWV Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	388.68 42.75	71.25
22 66 53 00-0138 Glass Acid Resistant DWV Reducing Sanitary Tees (22 66 53 00-0093)		
22 66 53 00-0139 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	101.19 20.06	33.43
22 66 53 00-0140 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	118.29 21.90	36.50
22 66 53 00-0141 EA 3" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	124.75 22.43	37.38
22 66 53 00-0142 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	159.10 27.18	45.30
22 66 53 00-0143 EA 4" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	165.63 27.44	45.74
22 66 53 00-0144 EA 4" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	173.33 28.24	47.06
22 66 53 00-0145 EA 6" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	290.65 35.36	58.93
22 66 53 00-0146 EA 6" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	311.33 36.15	60.25
22 66 53 00-0147 EA 6" x 4" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	321.11 38.79	64.65
22 66 53 00-0148 Glass Acid Resistant DWV Double Sanitary Tees (22 66 53 00-0093)		
22 66 53 00-0149 EA 1-1/2" Glass Acid Resistant DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	138.88 25.86	43.09
22 66 53 00-0150 EA 2" Glass Acid Resistant DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	143.26 27.18	45.30
22 66 53 00-0151 EA 3" Glass Acid Resistant DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	181.19 31.14	51.90
22 66 53 00-0152 EA 4" Glass Acid Resistant DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	285.54 41.16	68.61
22 66 53 00-0153 EA 6" Glass Acid Resistant DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	492.53 57.00	94.99
22 66 53 00-0154 Glass Acid Resistant DWV Reducing Double Sanitary Tees (22 66 53 00-0093)		
22 66 53 00-0155 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	141.50 26.65	44.42
22 66 53 00-0156 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	161.05 28.50	47.50
22 66 53 00-0157 EA 3" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	169.03 29.03	48.38
22 66 53 00-0158 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	237.02 33.52	55.85
22 66 53 00-0159 EA 4" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	235.91 34.30	57.17
22 66 53 00-0160 EA 4" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	252.52 36.16	60.25
22 66 53 00-0161 EA 6" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	328.86 42.21	70.36
22 66 53 00-0162 EA 6" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	355.71 44.06	73.44
22 66 53 00-0163 EA 6" x 4" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	402.01 49.07	81.80
22 66 53 00-0164 Glass Acid Resistant DWV Tees (22 66 53 00-0093)		
22 66 53 00-0165 EA 1-1/2" Glass Acid Resistant DWV Tee..... <i>For Work In Restricted Working Space, Add</i>	107.59 19.53	32.54
22 66 53 00-0166 EA 2" Glass Acid Resistant DWV Tee..... <i>For Work In Restricted Working Space, Add</i>	110.22 20.32	33.87
22 66 53 00-0167 EA 3" Glass Acid Resistant DWV Tee..... <i>For Work In Restricted Working Space, Add</i>	138.74 23.22	38.70
22 66 53 00-0168 EA 4" Glass Acid Resistant DWV Tee..... <i>For Work In Restricted Working Space, Add</i>	210.68 30.87	51.46
22 66 53 00-0169 EA 6" Glass Acid Resistant DWV Tee..... <i>For Work In Restricted Working Space, Add</i>	407.72 42.75	71.25



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0170 Glass Acid Resistant DWV Reducing Tees <small>(22 66 53 00-0093)</small>						
				EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Tee.....	109.33	33.43
				<i>For Work In Restricted Working Space, Add</i>	20.05	
				EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Tee.....	126.79	36.50
				<i>For Work In Restricted Working Space, Add</i>	21.90	
				EA 3" x 2" Glass Acid Resistant DWV Reducing Tee.....	129.77	37.38
				<i>For Work In Restricted Working Space, Add</i>	22.43	
				EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Tee.....	160.97	45.30
				<i>For Work In Restricted Working Space, Add</i>	27.18	
				EA 4" x 2" Glass Acid Resistant DWV Reducing Tee.....	164.74	45.74
				<i>For Work In Restricted Working Space, Add</i>	27.44	
				EA 4" x 3" Glass Acid Resistant DWV Reducing Tee.....	192.43	47.06
				<i>For Work In Restricted Working Space, Add</i>	28.24	
				EA 6" x 3" Glass Acid Resistant DWV Reducing Tee.....	346.24	60.25
				<i>For Work In Restricted Working Space, Add</i>	36.15	
				EA 6" x 4" Glass Acid Resistant DWV Reducing Tee.....	381.95	64.65
				<i>For Work In Restricted Working Space, Add</i>	38.78	
22 66 53 00-0179 Glass Acid Resistant DWV Test Tees With Cleanout <small>(22 66 53 00-0093)</small>						
				EA 1-1/2" Glass Acid Resistant DWV Test Tee With Cleanout	121.55	32.54
				<i>For Work In Restricted Working Space, Add</i>	19.53	
				EA 2" Glass Acid Resistant DWV Test Tee With Cleanout.....	133.90	33.87
				<i>For Work In Restricted Working Space, Add</i>	20.32	
				EA 3" Glass Acid Resistant DWV Test Tee With Cleanout.....	168.60	38.70
				<i>For Work In Restricted Working Space, Add</i>	23.22	
				EA 4" Glass Acid Resistant DWV Test Tee With Cleanout.....	278.72	51.46
				<i>For Work In Restricted Working Space, Add</i>	30.87	
				EA 6" Glass Acid Resistant DWV Test Tee With Cleanout.....	407.72	71.25
				<i>For Work In Restricted Working Space, Add</i>	42.75	
22 66 53 00-0185 Glass Acid Resistant DWV Wyes <small>(22 66 53 00-0093)</small>						
				EA 1-1/2" Glass Acid Resistant DWV Wye.....	101.18	32.54
				<i>For Work In Restricted Working Space, Add</i>	19.53	
				EA 2" Glass Acid Resistant DWV Wye.....	103.81	33.87
				<i>For Work In Restricted Working Space, Add</i>	20.32	
				EA 3" Glass Acid Resistant DWV Wye.....	135.60	38.70
				<i>For Work In Restricted Working Space, Add</i>	23.22	
				EA 4" Glass Acid Resistant DWV Wye.....	202.59	51.46
				<i>For Work In Restricted Working Space, Add</i>	30.87	
				EA 6" Glass Acid Resistant DWV Wye.....	383.34	71.25
				<i>For Work In Restricted Working Space, Add</i>	42.75	
22 66 53 00-0191 Glass Acid Resistant DWV Reducing Wyes <small>(22 66 53 00-0093)</small>						
				EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Wye.....	102.92	33.43
				<i>For Work In Restricted Working Space, Add</i>	20.05	
				EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Wye.....	121.90	36.50
				<i>For Work In Restricted Working Space, Add</i>	21.90	
				EA 3" x 2" Glass Acid Resistant DWV Reducing Wye.....	125.17	37.38
				<i>For Work In Restricted Working Space, Add</i>	22.43	
				EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Wye.....	166.09	45.30
				<i>For Work In Restricted Working Space, Add</i>	27.18	
				EA 4" x 2" Glass Acid Resistant DWV Reducing Wye.....	167.65	45.74
				<i>For Work In Restricted Working Space, Add</i>	27.44	
				EA 4" x 3" Glass Acid Resistant DWV Reducing Wye.....	180.21	47.06
				<i>For Work In Restricted Working Space, Add</i>	28.24	
				EA 6" x 2" Glass Acid Resistant DWV Reducing Wye.....	283.07	58.93
				<i>For Work In Restricted Working Space, Add</i>	35.35	
				EA 6" x 3" Glass Acid Resistant DWV Reducing Wye.....	322.03	60.25
				<i>For Work In Restricted Working Space, Add</i>	36.15	
				EA 6" x 4" Glass Acid Resistant DWV Reducing Wye.....	349.38	64.65
				<i>For Work In Restricted Working Space, Add</i>	38.78	
22 66 53 00-0201 Glass Acid Resistant DWV Double Wyes <small>(22 66 53 00-0093)</small>						
				EA 1-1/2" Glass Acid Resistant DWV Double Wye	156.45	43.09
				<i>For Work In Restricted Working Space, Add</i>	25.86	
				EA 2" Glass Acid Resistant DWV Double Wye.....	160.86	45.30
				<i>For Work In Restricted Working Space, Add</i>	27.18	
				EA 3" Glass Acid Resistant DWV Double Wye.....	208.47	51.90
				<i>For Work In Restricted Working Space, Add</i>	31.13	
				EA 4" Glass Acid Resistant DWV Double Wye.....	313.40	68.61
				<i>For Work In Restricted Working Space, Add</i>	41.15	
				EA 6" Glass Acid Resistant DWV Double Wye.....	507.62	94.99
				<i>For Work In Restricted Working Space, Add</i>	57.02	
22 66 53 00-0207 Glass Acid Resistant DWV Reducing Double Wyes <small>(22 66 53 00-0093)</small>						

22 Plumbing**22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0208	EA		2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	159.06 26.64	44.42
22 66 53 00-0209	EA		3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	165.23 28.49	47.50
22 66 53 00-0210	EA		3" x 2" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	186.08 29.02	48.38
22 66 53 00-0211	EA		4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	226.10 33.52	55.85
22 66 53 00-0212	EA		4" x 2" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	237.32 34.31	57.17
22 66 53 00-0213	EA		4" x 3" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	273.84 36.15	60.25
22 66 53 00-0214	EA		6" x 2" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	406.32 42.20	70.36
22 66 53 00-0215	EA		6" x 3" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	426.19 44.07	73.44
22 66 53 00-0216	EA		6" x 4" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	458.11 49.09	81.80
22 66 53 00-0217			Glass Acid Resistant DWV Combination Wye And 1/8 Bends <small>(22 66 53 00-0093)</small>		
22 66 53 00-0218	EA		1-1/2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	110.40 19.53	32.54
22 66 53 00-0219	EA		2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	113.42 20.32	33.87
22 66 53 00-0220	EA		3" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	141.30 23.22	38.70
22 66 53 00-0221	EA		4" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	205.56 30.87	51.46
22 66 53 00-0222	EA		6" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	375.01 42.75	71.25
22 66 53 00-0223			Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bends <small>(22 66 53 00-0093)</small>		
22 66 53 00-0224	EA		2" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	112.53 20.05	33.43
22 66 53 00-0225	EA		3" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	123.35 21.90	36.50
22 66 53 00-0226	EA		3" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	130.99 22.43	37.38
22 66 53 00-0227	EA		4" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	162.60 27.18	45.30
22 66 53 00-0228	EA		4" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	168.41 27.44	45.74
22 66 53 00-0229	EA		4" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	181.08 28.24	47.06
22 66 53 00-0230	EA		6" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	283.59 35.35	58.93
22 66 53 00-0231	EA		6" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	316.97 36.15	60.25
22 66 53 00-0232	EA		6" x 4" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	326.10 38.78	64.65
22 66 53 00-0233			Glass Acid Resistant DWV Double Combination Wye And 1/8 Bends <small>(22 66 53 00-0093)</small>		
22 66 53 00-0234	EA		1-1/2" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	147.72 25.86	43.09
22 66 53 00-0235	EA		2" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	168.19 27.18	45.30
22 66 53 00-0236	EA		3" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	219.53 31.13	51.90
22 66 53 00-0237	EA		4" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	339.12 41.15	68.61
22 66 53 00-0238	EA		6" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	548.67 57.02	94.99
22 66 53 00-0239			Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends <small>(22 66 53 00-0093)</small>		
22 66 53 00-0240	EA		2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	151.66 26.64	44.42
22 66 53 00-0241	EA		3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	185.83 28.49	47.50
22 66 53 00-0242	EA		3" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	184.21 29.02	48.38
22 66 53 00-0243	EA		4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	240.42 33.52	55.85
22 66 53 00-0244	EA		4" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	239.59 34.31	57.17
22 66 53 00-0245	EA		4" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	265.75 36.15	60.25



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0246 EA 6" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	368.82 42.20	70.36
22 66 53 00-0247 EA 6" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	391.85 44.07	73.44
22 66 53 00-0248 EA 6" x 4" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	454.03 49.09	81.80
22 66 53 00-0249 Glass Acid Resistant DWV Partition Crosses (Compact) (22 66 53 00-0093)		
22 66 53 00-0250 EA 2" x 1-1/2" Glass Acid Resistant DWV Partition Cross (Compact)..... <i>For Work In Restricted Working Space, Add</i>	163.30 26.64	44.42
22 66 53 00-0251 EA 2" Glass Acid Resistant DWV Partition Cross (Compact)..... <i>For Work In Restricted Working Space, Add</i>	165.10 27.18	45.30
22 66 53 00-0252 EA 2" x 1-1/2" x 1-1/2" x 1-1/2" Glass Acid Resistant DWV Partition Cross (Compact)..... <i>For Work In Restricted Working Space, Add</i>	173.28 26.39	43.98
22 66 53 00-0253 Glass Acid Resistant DWV Upright Y Or H (Vent Branch) (22 66 53 00-0093)		
22 66 53 00-0254 EA 1-1/2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	152.05 19.53	32.54
22 66 53 00-0255 EA 2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	166.03 20.32	33.87
22 66 53 00-0256 EA 3" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	190.83 23.22	38.70
22 66 53 00-0257 EA 4" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	275.98 30.87	51.46
22 66 53 00-0258 EA 6" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	499.09 42.75	71.25
22 66 53 00-0259 Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) (22 66 53 00-0093)		
22 66 53 00-0260 EA 2" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	153.44 20.05	33.43
22 66 53 00-0261 EA 3" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	173.93 21.90	36.50
22 66 53 00-0262 EA 3" x 2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	184.13 22.43	37.38
22 66 53 00-0263 EA 4" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	214.98 27.18	45.30
22 66 53 00-0264 EA 4" x 2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	225.91 27.44	45.74
22 66 53 00-0265 EA 4" x 3" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	245.80 28.24	47.06
22 66 53 00-0266 EA 6" x 3" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	348.63 36.15	60.25
22 66 53 00-0267 EA 6" x 4" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	394.19 38.78	64.65
22 66 53 00-0268 Glass Acid Resistant DWV Reducers Or Increases (22 66 53 00-0093)		
22 66 53 00-0269 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	62.60 1.49 13.19	21.99
22 66 53 00-0270 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	75.14 2.21 14.25	23.75
22 66 53 00-0271 EA 3" x 2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	79.34 2.48 14.51	24.19
22 66 53 00-0272 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	99.54 3.46 16.89	28.14
22 66 53 00-0273 EA 4" x 2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	103.09 3.67 17.15	28.59
22 66 53 00-0274 EA 4" x 3" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	109.45 3.97 17.94	29.90
22 66 53 00-0275 EA 6" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	195.20 10.06 20.85	34.74
22 66 53 00-0276 EA 6" x 2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	204.04 10.69 21.11	35.19
22 66 53 00-0277 EA 6" x 3" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	215.82 11.43 21.90	36.50
22 66 53 00-0278 EA 6" x 4" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	228.75 11.76 24.54	40.90
22 66 53 00-0279 Glass Acid Resistant DWV Swivel P-Traps (22 66 53 00-0093)		

22 Plumbing**22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0280 EA 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	130.62 19.53	32.54
22 66 53 00-0281 EA 2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	138.61 20.06	33.43
22 66 53 00-0282 EA 2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	152.58 20.32	33.87
22 66 53 00-0283 EA 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	139.12 19.53	32.54
22 66 53 00-0284 EA 2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	149.43 20.06	33.43
22 66 53 00-0285 EA 2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	164.81 20.32	33.87
22 66 53 00-0286 EA 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	141.45 19.53	32.54
22 66 53 00-0287 EA 2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	149.43 20.06	33.43
22 66 53 00-0288 EA 2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	164.81 20.32	33.87
22 66 53 00-0289 Glass Acid Resistant DWV Drum P-Traps (22 66 53 00-0093)		
22 66 53 00-0290 EA 1-1/2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	167.87 19.53	32.54
22 66 53 00-0291 EA 2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	204.78 20.06	33.43
22 66 53 00-0292 EA 2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	210.32 20.32	33.87
22 66 53 00-0293 EA 1-1/2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	182.01 19.53	32.54
22 66 53 00-0294 EA 2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	192.04 20.06	33.43
22 66 53 00-0295 EA 2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	213.05 20.32	33.87
22 66 53 00-0296 Glass Acid Resistant DWV Cleanout Plugs (22 66 53 00-0093)		
22 66 53 00-0297 EA 1-1/2" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	30.66 6.60	11.00
22 66 53 00-0298 EA 2" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	33.81 6.86	11.43
22 66 53 00-0299 EA 3" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	41.17 7.65	12.76
22 66 53 00-0300 EA 4" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	62.47 10.29	17.16
22 66 53 00-0301 EA 6" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	88.65 14.25	23.75
22 66 53 00-0302 Glass Acid Resistant DWV Sink Fittings (22 66 53 00-0093)		
22 66 53 00-0303 EA 1-1/2" Glass Acid Resistant DWV Interceptor Trap..... <i>For Work In Restricted Working Space, Add</i>	334.77 25.86	43.09
22 66 53 00-0304 EA 1-1/2" x 6-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly..... <i>For Work In Restricted Working Space, Add</i>	38.11 6.60	11.00
22 66 53 00-0305 EA 1-1/2" x 10-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly..... <i>For Work In Restricted Working Space, Add</i>	41.20 6.60	11.00
22 66 53 00-0306 EA 1-1/2" Split Coupling (Threaded To Beaded Pipe) For Glass Acid Resistant DWV Pipe And Fittings..... <i>For Work In Restricted Working Space, Add</i>	63.07 13.19	21.99
22 66 53 00-0307 EA 3" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings..... <i>For Work In Restricted Working Space, Add</i>	109.47 13.72	22.87
22 66 53 00-0308 EA 6" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings..... <i>For Work In Restricted Working Space, Add</i>	110.63 13.72	22.87
22 66 53 00-0309 EA 3" x 9" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings..... <i>For Work In Restricted Working Space, Add</i>	122.27 13.72	22.87
22 66 53 00-0310 EA 3" x 6" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings..... <i>For Work In Restricted Working Space, Add</i>	103.18 13.72	22.87
22 66 53 00-0311 Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapters (22 66 53 00-0093) Note: Includes teflon spacer.		
22 66 53 00-0312 EA 1-1/2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter..... <i>For Work In Restricted Working Space, Add</i>	108.08 19.47	32.46
22 66 53 00-0313 EA 2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter..... <i>For Work In Restricted Working Space, Add</i>	112.95 20.42	34.04
22 66 53 00-0314 EA 3" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter..... <i>For Work In Restricted Working Space, Add</i>	149.17 23.28	38.79
22 66 53 00-0315 EA 4" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter..... <i>For Work In Restricted Working Space, Add</i>	209.55 30.90	51.55



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0316		
Bead To Bead Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings <small>(22 66 53 00-0093)</small>		
<i>Note: Includes segmented stainless steel outer band, Buna-N rubber compression liner with TFE seal ring, stainless steel bolt and silver plated stainless hex nut.</i>		
22 66 53 00-0317 EA 1-1/2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	14.61	
22 66 53 00-0318 EA 2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	18.43	
22 66 53 00-0319 EA 3" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	24.64	
22 66 53 00-0320 EA 4" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	41.52	
22 66 53 00-0321 EA 6" Bead To Bead, Stainless Steel, TFE Seal Ring Couplings, Glass Piping.....	96.71	
22 66 53 00-0322		
Bead To Plain End Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings <small>(22 66 53 00-0093)</small>		
<i>Note: Includes stainless steel band with bolt, Buna-N rubber compression liner with TFE seal ring and silver plated stainless hex nut.</i>		
22 66 53 00-0323 EA 1-1/2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	18.84	
22 66 53 00-0324 EA 2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	23.57	
22 66 53 00-0325 EA 3" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	40.02	
22 66 53 00-0326 EA 4" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	59.65	
22 66 53 00-0327 EA 6" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	145.45	
22 66 53 00-0328		
Bell And Spigot High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings <small>(22 66 53)</small>		
<i>Note: Acid resistant. ASTM A518.</i>		
22 66 53 00-0329		
Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe <small>(22 66 53 00-0328)</small>		
22 66 53 00-0330 LF 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	86.50	7.83
22 66 53 00-0331 LF 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	121.72	9.76
22 66 53 00-0332 LF 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	165.59	11.26
22 66 53 00-0333 LF 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	271.72	15.76
22 66 53 00-0334 LF 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	479.33	21.07
22 66 53 00-0335 LF 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	847.68	26.57
22 66 53 00-0336 LF 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	1,511.52	35.79
22 66 53 00-0337 LF 15" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	2,692.17	41.04
22 66 53 00-0338		
Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Fittings <small>(22 66 53 00-0328)</small>		
22 66 53 00-0339		
Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweeps <small>(22 66 53 00-0338)</small>		
22 66 53 00-0340 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	346.03	66.67
22 66 53 00-0341 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	452.20	73.36
22 66 53 00-0342 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	734.14	87.78
22 66 53 00-0343 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	1,092.35	104.13
22 66 53 00-0344 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	2,508.98	169.29
22 66 53 00-0345		
Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends <small>(22 66 53 00-0338)</small>		
22 66 53 00-0346 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	201.78	66.67
22 66 53 00-0347 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	262.69	73.36
22 66 53 00-0348 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	329.66	87.78
22 66 53 00-0349 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	868.90	104.13
22 66 53 00-0350 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	1,970.71	169.29
22 66 53 00-0351 EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	2,993.01	210.92
22 66 53 00-0352 EA 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	4,395.38	253.65
22 66 53 00-0353		
Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends <small>(22 66 53 00-0338)</small>		
22 66 53 00-0354 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	201.78	66.67
22 66 53 00-0355 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	262.69	73.36
22 66 53 00-0356 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	329.66	87.78
22 66 53 00-0357 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	636.96	104.13
22 66 53 00-0358 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	1,670.90	169.29
22 66 53 00-0359 EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	2,441.88	210.92
22 66 53 00-0360 EA 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	3,462.40	253.65
22 66 53 00-0361		
Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends <small>(22 66 53 00-0338)</small>		
22 66 53 00-0362 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	201.78	66.67
22 66 53 00-0363 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	262.69	73.36
22 66 53 00-0364 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	329.45	87.69
22 66 53 00-0365		
Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweeps <small>(22 66 53 00-0338)</small>		
22 66 53 00-0366 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	275.32	66.67
22 66 53 00-0367 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	486.14	73.36

22 Plumbing

22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0368	EA		4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	544.63	87.78
22 66 53 00-0369			Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tees (22 66 53 00-0338)		
22 66 53 00-0370	EA		2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	285.36	99.74
22 66 53 00-0371	EA		3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	358.11	110.56
22 66 53 00-0372	EA		4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	497.78	132.02
22 66 53 00-0373	EA		6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	828.59	156.48
22 66 53 00-0374	EA		8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	2,533.54	254.15
22 66 53 00-0375	EA		10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	3,596.94	317.35
22 66 53 00-0376			Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tees (22 66 53 00-0338)		
22 66 53 00-0377	EA		2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	267.82	95.61
22 66 53 00-0378	EA		3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	312.33	102.65
22 66 53 00-0379	EA		3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	348.81	106.25
22 66 53 00-0380	EA		4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	399.36	117.33
22 66 53 00-0381	EA		4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	427.60	121.03
22 66 53 00-0382	EA		4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	469.65	124.64
22 66 53 00-0383	EA		6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	585.33	135.41
22 66 53 00-0384	EA		6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	649.50	138.89
22 66 53 00-0385	EA		6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	726.95	145.28
22 66 53 00-0386			Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tees (22 66 53 00-0338)		
22 66 53 00-0387	EA		2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	324.91	99.74
22 66 53 00-0388	EA		3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	391.62	110.30
22 66 53 00-0389	EA		4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	534.52	132.02
22 66 53 00-0390			Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tees (22 66 53 00-0338)		
22 66 53 00-0391	EA		2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	307.40	95.61
22 66 53 00-0392	EA		3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	383.49	106.78
22 66 53 00-0393	EA		4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	462.05	121.39
22 66 53 00-0394	EA		4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	495.66	124.99
22 66 53 00-0395			Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wyes (22 66 53 00-0338)		
22 66 53 00-0396	EA		2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	282.71	99.92
22 66 53 00-0397	EA		3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	389.22	110.56
22 66 53 00-0398	EA		4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	497.62	131.94
22 66 53 00-0399	EA		6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	833.34	155.89
22 66 53 00-0400	EA		8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	3,172.39	253.90
22 66 53 00-0401			Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes (22 66 53 00-0338)		
22 66 53 00-0402	EA		2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	290.43	95.61
22 66 53 00-0403	EA		3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	312.28	102.65
22 66 53 00-0404	EA		3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	329.93	106.87
22 66 53 00-0405	EA		4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	368.25	117.33
22 66 53 00-0406	EA		4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	382.55	121.20
22 66 53 00-0407	EA		4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	458.89	124.99
22 66 53 00-0408	EA		6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	616.23	135.57
22 66 53 00-0409	EA		6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	731.52	138.89
22 66 53 00-0410	EA		6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	763.72	145.28
22 66 53 00-0411	EA		8" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	1,865.62	204.83
22 66 53 00-0412	EA		8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	2,014.36	211.60
22 66 53 00-0413	EA		8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	2,463.27	222.42
22 66 53 00-0414			Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends (22 66 53 00-0338)		
22 66 53 00-0415	EA		2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	336.17	99.74
22 66 53 00-0416	EA		3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	400.10	110.30
22 66 53 00-0417	EA		4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	591.09	132.02
22 66 53 00-0418	EA		6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	907.18	156.06
22 66 53 00-0419			Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends (22 66 53 00-0338)		
22 66 53 00-0420	EA		2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	279.12	95.61
22 66 53 00-0421	EA		3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	323.59	102.65
22 66 53 00-0422	EA		3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	358.03	106.78
22 66 53 00-0423	EA		4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	388.05	117.33
22 66 53 00-0424	EA		4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	447.91	121.39
22 66 53 00-0425	EA		4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	506.92	124.90



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0426 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	652.95	135.57
22 66 53 00-0427 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	813.61	138.97
22 66 53 00-0428 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	891.35	145.53
22 66 53 00-0429 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducers <small>(22 66 53 00-0338)</small>		
22 66 53 00-0430 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	173.33	62.81
22 66 53 00-0431 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	189.90	66.32
22 66 53 00-0432 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	212.15	69.84
22 66 53 00-0433 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	339.55	77.41
22 66 53 00-0434 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	356.15	81.01
22 66 53 00-0435 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	384.83	86.87
22 66 53 00-0436 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary.....	499.43	93.51
22 66 53 00-0437 EA 8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	724.92	127.00
22 66 53 00-0438 EA 8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	772.18	137.74
22 66 53 00-0439 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increases <small>(22 66 53 00-0338)</small>		
22 66 53 00-0440 EA 2" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	463.14	146.62
22 66 53 00-0441 EA 2" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	610.22	146.62
22 66 53 00-0442 EA 3" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	623.42	146.62
22 66 53 00-0443 EA 4" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	700.52	193.73
22 66 53 00-0444 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Traps <small>(22 66 53 00-0338)</small>		
22 66 53 00-0445 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	512.91	66.67
22 66 53 00-0446 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	619.08	73.36
22 66 53 00-0447 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	753.94	87.78
22 66 53 00-0448 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	2,218.09	104.13
22 66 53 00-0449 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hubs <small>(22 66 53 00-0338)</small>		
22 66 53 00-0450 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	255.52	66.67
22 66 53 00-0451 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	322.09	73.36
22 66 53 00-0452 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	442.80	87.78
22 66 53 00-0453 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	568.61	104.13
22 66 53 00-0454 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	1,106.00	145.28
22 66 53 00-0455 Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings <small>(22 66 53 00-0328)</small>		
Note: Labor costs for installation of lead and oakum are included in the installation costs for fittings.		
22 66 53 00-0456 LB Lead (1 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings.....	4.97	
22 66 53 00-0457 LB Seal-Tite Packing (1/8 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings	51.86	
22 66 53 00-0458 Mechanical Joint High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings <small>(22 66 53)</small>		
Note: ASTM A518.		
22 66 53 00-0459 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe <small>(22 66 53 00-0458)</small>		
22 66 53 00-0460 LF 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	68.61	5.90
22 66 53 00-0461 LF 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	78.08	6.51
22 66 53 00-0462 LF 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	107.69	8.18
22 66 53 00-0463 LF 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	135.82	9.50
22 66 53 00-0464 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Fittings <small>(22 66 53 00-0458)</small>		
22 66 53 00-0465 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweeps <small>(22 66 53 00-0464)</small>		
22 66 53 00-0466 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	253.90	46.71
22 66 53 00-0467 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	274.33	52.77
22 66 53 00-0468 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	375.77	58.23
22 66 53 00-0469 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	453.45	70.36
22 66 53 00-0470 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0471 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	143.59	46.71
22 66 53 00-0472 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	171.68	52.25
22 66 53 00-0473 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	220.50	58.40
22 66 53 00-0474 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	288.61	69.84
22 66 53 00-0475 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	167.32	49.34

22 Plumbing**22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0476 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0477 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	143.59	46.71
22 66 53 00-0478 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	171.68	52.25
22 66 53 00-0479 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	220.50	58.40
22 66 53 00-0480 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	288.61	69.84
22 66 53 00-0481 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0482 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	169.05	46.71
22 66 53 00-0483 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	211.28	52.25
22 66 53 00-0484 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	325.15	58.40
22 66 53 00-0485 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	364.98	69.84
22 66 53 00-0486 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0487 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	163.39	46.71
22 66 53 00-0488 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	194.31	52.25
22 66 53 00-0489 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	299.70	58.40
22 66 53 00-0490 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	339.52	69.84
22 66 53 00-0491 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0492 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bend.....	246.79	70.28
22 66 53 00-0493 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tees <small>(22 66 53 00-0464)</small>		
22 66 53 00-0494 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	201.54	70.28
22 66 53 00-0495 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	248.79	79.17
22 66 53 00-0496 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	327.43	88.22
22 66 53 00-0497 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	494.91	105.64
22 66 53 00-0498 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tees <small>(22 66 53 00-0464)</small>		
22 66 53 00-0499 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	233.02	76.17
22 66 53 00-0500 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	284.34	82.15
22 66 53 00-0501 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Sanitary Reducing Tee.....	302.84	85.05
22 66 53 00-0502 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	324.51	93.85
22 66 53 00-0503 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	356.84	96.49
22 66 53 00-0504 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	386.67	99.39
22 66 53 00-0505 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wyes <small>(22 66 53 00-0464)</small>		
22 66 53 00-0506 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	201.89	70.54
22 66 53 00-0507 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	237.48	79.17
22 66 53 00-0508 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	316.11	88.22
22 66 53 00-0509 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	494.91	105.64
22 66 53 00-0510 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes <small>(22 66 53 00-0464)</small>		
22 66 53 00-0511 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	225.12	76.61
22 66 53 00-0512 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	275.84	82.06
22 66 53 00-0513 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	289.08	85.31
22 66 53 00-0514 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	324.94	94.12
22 66 53 00-0515 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	357.63	97.02
22 66 53 00-0516 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	378.56	99.65
22 66 53 00-0517 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wyes <small>(22 66 53 00-0464)</small>		
22 66 53 00-0518 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	302.06	93.94
22 66 53 00-0519 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	384.72	105.73
22 66 53 00-0520 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	492.15	116.98
22 66 53 00-0521 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	640.80	140.64
22 66 53 00-0522 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	333.05	99.48
22 66 53 00-0523 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	372.94	105.38
22 66 53 00-0524 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	443.94	111.18
22 66 53 00-0525 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	490.04	123.14
22 66 53 00-0526 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	589.92	129.38
22 66 53 00-0527 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Crosses <small>(22 66 53 00-0464)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0528 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	335.95	93.94
22 66 53 00-0529 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	395.83	105.55
22 66 53 00-0530 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	566.68	117.60
22 66 53 00-0531 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	790.93	140.82
22 66 53 00-0532 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	361.28	99.48
22 66 53 00-0533 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	471.90	105.38
22 66 53 00-0534 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	497.61	111.18
22 66 53 00-0535 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	532.42	123.06
22 66 53 00-0536 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	676.92	128.86
22 66 53 00-0537 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0538 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	223.83	70.01
22 66 53 00-0539 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	260.10	79.17
22 66 53 00-0540 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	316.11	88.22
22 66 53 00-0541 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	526.02	105.64
22 66 53 00-0542 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0543 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	247.23	76.26
22 66 53 00-0544 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	276.19	82.33
22 66 53 00-0545 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	300.40	85.31
22 66 53 00-0546 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	406.97	94.12
22 66 53 00-0547 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	417.03	97.02
22 66 53 00-0548 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	466.24	99.65
22 66 53 00-0549 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0550 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	355.55	93.77
22 66 53 00-0551 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	446.67	105.46
22 66 53 00-0552 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	642.42	117.25
22 66 53 00-0553 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	771.58	141.09
22 66 53 00-0554 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0555 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	386.73	99.48
22 66 53 00-0556 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	463.39	105.29
22 66 53 00-0557 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	483.47	111.18
22 66 53 00-0558 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	538.08	123.06
22 66 53 00-0559 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	676.92	128.86
22 66 53 00-0560 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducers-Increasers <small>(22 66 53 00-0464)</small>		
22 66 53 00-0561 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	168.07	49.88
22 66 53 00-0562 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	189.44	52.77
22 66 53 00-0563 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	222.42	61.57
22 66 53 00-0564 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	263.07	58.49
22 66 53 00-0565 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	278.76	61.40
22 66 53 00-0566 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	294.45	64.30
22 66 53 00-0567 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tees <small>(22 66 53 00-0464)</small>		
22 66 53 00-0568 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	154.91	41.07
22 66 53 00-0569 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	179.95	46.45
22 66 53 00-0570 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	211.74	52.60
22 66 53 00-0571 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	384.54	64.03
22 66 53 00-0572 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plugs <small>(22 66 53 00-0464)</small>		
22 66 53 00-0573 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	68.97	23.39
22 66 53 00-0574 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	81.60	26.12
22 66 53 00-0575 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	89.04	29.20
22 66 53 00-0576 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	114.61	34.91

22 Plumbing**22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0577			Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Traps (22 66 53 00-0464)		
22 66 53 00-0578	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	281.78	46.45
22 66 53 00-0579	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	290.48	52.25
22 66 53 00-0580	EA		3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	359.10	58.40
22 66 53 00-0581	EA		4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	458.32	69.84
22 66 53 00-0582	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	391.63	49.96
22 66 53 00-0583	EA		2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	539.03	55.76
22 66 53 00-0584	EA		3" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	652.32	61.57
22 66 53 00-0585	EA		4" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	811.40	73.36
22 66 53 00-0586			Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum Traps (22 66 53 00-0464)		
22 66 53 00-0587	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap.....	523.55	53.04
22 66 53 00-0588	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap.....	826.20	58.67
22 66 53 00-0589	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap.....	545.87	52.77
22 66 53 00-0590	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap.....	826.20	58.67
22 66 53 00-0591			Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Traps (22 66 53 00-0464)		
22 66 53 00-0592	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap.....	486.47	52.77
22 66 53 00-0593	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap.....	571.63	58.67
22 66 53 00-0594	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long P-Trap.....	562.84	52.77
22 66 53 00-0595	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap.....	1,236.33	58.67
22 66 53 00-0596	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap.....	735.68	58.67
22 66 53 00-0597			Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bends (22 66 53 00-0464)		
22 66 53 00-0598	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend.....	203.30	46.97
22 66 53 00-0599	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend.....	265.84	52.77
22 66 53 00-0600			Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapters (22 66 53 00-0464)		
22 66 53 00-0601	EA		1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter.....	103.68	35.19
22 66 53 00-0602	EA		1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter.....	190.11	38.17
22 66 53 00-0603	EA		2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter.....	139.51	43.98
22 66 53 00-0604			Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter (22 66 53 00-0464)		
22 66 53 00-0605	EA		1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	193.88	50.05
22 66 53 00-0606	EA		1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	212.07	52.77
22 66 53 00-0607	EA		1-1/2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	236.25	55.68
22 66 53 00-0608	EA		1-1/2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	253.30	61.40
22 66 53 00-0609	EA		2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	236.30	55.76
22 66 53 00-0610	EA		2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	249.13	58.67
22 66 53 00-0611	EA		2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	269.00	64.30
22 66 53 00-0612	EA		3" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	304.50	61.57
22 66 53 00-0613	EA		4" x 4" Mechanical Joint High Silicon Iron Alloy Hub To Mechanical Joint Adapter.....	375.83	73.36
22 66 53 00-0614			Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings (22 66 53 00-0464)		
22 66 53 00-0615	EA		1-1/2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	67.88	
22 66 53 00-0616	EA		2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	79.20	
22 66 53 00-0617	EA		3" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	84.85	
22 66 53 00-0618	EA		4" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	93.34	
22 66 53 00-0619			Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Fittings (22 66 53 00-0464)		
22 66 53 00-0620	EA		Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Outlet.....	501.89	23.48
22 66 53 00-0621	EA		Mechanical Joint High Silicon Iron Alloy Acid Resistant Stopper.....	190.13	11.70
22 66 53 00-0622	EA		Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Overflow.....	354.18	11.70
22 66 53 00-0623			Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drains With Stainless Steel Strainer Plates (22 66 53 00-0464)		
22 66 53 00-0624	EA		Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain With Stainless Steel Strainer.....	1,799.47	117.33
22 66 53 00-0625	EA		Mechanical Joint High Silicon Iron Alloy Acid Resistant Sediment Basin Floor Drain With Stainless Steel Strainer.....	2,221.21	123.23
22 66 53 00-0626	EA		Stainless Steel Funnel Attachment For Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain.....	1,494.06	11.70
22 66 83			Chemical-Waste Tanks (22 66)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 83 16 Chemical-Waste Neutralization Tanks (22 66 83)		
22 66 83 16-0001 Acid Neutralization Tank (22 66 83 16)		
22 66 83 16-0002 Polyethylene Acid Neutralization Tank (22 66 83 16-0001)		
22 66 83 16-0003 EA 5 Gallon Capacity Polyethylene Acid Neutralization Tank	425.72	179.17
22 66 83 16-0004 EA 15 Gallon Capacity Polyethylene Acid Neutralization Tank	762.58	248.46
22 66 83 16-0005 EA 30 Gallon Capacity Polyethylene Acid Neutralization Tank	954.19	358.35
22 66 83 16-0006 EA 55 Gallon Capacity Polyethylene Acid Neutralization Tank	1,227.07	477.79
22 66 83 16-0007 EA 100 Gallon Capacity Polyethylene Acid Neutralization Tank	1,570.92	573.35
22 66 83 16-0008 EA 150 Gallon Capacity Polyethylene Acid Neutralization Tank	2,140.35	716.68
22 66 83 16-0009 EA 200 Gallon Capacity Polyethylene Acid Neutralization Tank	2,478.89	895.86
22 66 83 16-0010 EA 275 Gallon Capacity Polyethylene Acid Neutralization Tank	3,208.19	1,075.03
22 66 83 16-0011 EA 350 Gallon Capacity Polyethylene Acid Neutralization Tank	3,650.55	1,290.03
22 66 83 16-0012 Polypropylene Acid Neutralization Tank (22 66 83 16-0001)		
22 66 83 16-0013 EA 5 Gallon Capacity Polypropylene Acid Neutralization Tank	687.27	179.17
22 66 83 16-0014 EA 15 Gallon Capacity Polypropylene Acid Neutralization Tank	1,176.70	248.46
22 66 83 16-0015 EA 30 Gallon Capacity Polypropylene Acid Neutralization Tank	1,611.62	358.35
22 66 83 16-0016 EA 55 Gallon Capacity Polypropylene Acid Neutralization Tank	2,125.56	477.79
22 66 83 16-0017 EA 100 Gallon Capacity Polypropylene Acid Neutralization Tank	2,678.98	573.35
22 66 83 16-0018 EA 150 Gallon Capacity Polypropylene Acid Neutralization Tank	3,550.86	716.68
22 66 83 16-0019 EA 200 Gallon Capacity Polypropylene Acid Neutralization Tank	3,883.18	895.86
22 66 83 16-0020 EA 275 Gallon Capacity Polypropylene Acid Neutralization Tank	5,660.25	1,075.03
22 66 83 16-0021 EA 350 Gallon Capacity Polypropylene Acid Neutralization Tank	6,135.30	1,290.03
22 66 83 16-0022 Chemical Dilution Trap (22 66 83 16)		
22 66 83 16-0023 EA 1 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap	324.73	59.72
Note: 1-1/2" top inlet and side outlet with anti siphon.		
22 66 83 16-0024 EA 1-1/2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap	334.07	59.72
Note: 1-1/2" top inlet and side outlet with anti siphon.		
22 66 83 16-0025 EA 2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap	343.42	59.72
Note: 1-1/2" top inlet and side outlet with anti siphon.		
22 66 83 16-0026 EA 5 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap	379.66	71.67
Note: 1-1/2" top inlet and side outlet with anti siphon.		

END OF SECTION 22

22 Plumbing

22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 Heating, Ventilating, And Air-Conditioning (HVAC)

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise. HVAC equipment shall conform to California Title 24.

23 01 Operation and Maintenance of HVAC Systems ⁽²³⁾

23 01 10 Operation and Maintenance of Facility Fuel Systems ^(23 01)

23 01 10 91 Facility Fuel Systems Restoration ^(23 01 10)

23 01 10 91-0001 Purge Gas Systems ^(23 01 10 91)

Note: Includes collection and refilling/bleeding of system. For natural gas, flammable gases and other gases that should not be released inside the building. See CSI section 23 01 60 71-0001 for refrigerant.

23 01 10 91-0002	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	427.48
23 01 10 91-0003	EA	>100' To 250', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	610.45
23 01 10 91-0004	EA	>250' To 500', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	640.51
23 01 10 91-0005	EA	>500' To 1,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	705.86
23 01 10 91-0006	EA	>1,000' To 2,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	1,278.18
23 01 10 91-0007	EA	Up To 100', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	573.92
23 01 10 91-0008	EA	>100' To 250', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	823.67
23 01 10 91-0009	EA	>250' To 500', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	869.47
23 01 10 91-0010	EA	>500' To 1,000', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	968.66
23 01 10 91-0011	EA	>1,000' To 2,000', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	1,759.25
23 01 10 91-0012	EA	Up To 100', >4" To 10" Diameter Pipe, Purge Gas Systems.....	675.08
23 01 10 91-0013	EA	>100' To 250', >4" To 10" Diameter Pipe, Purge Gas Systems.....	987.70
23 01 10 91-0014	EA	>250' To 500', >4" To 10" Diameter Pipe, Purge Gas Systems.....	2,254.52
23 01 10 91-0015	EA	>500' To 1,000', >4" To 10" Diameter Pipe, Purge Gas Systems.....	3,509.64
23 01 10 91-0016	EA	>1,000' To 2,000', >4" To 10" Diameter Pipe, Purge Gas Systems.....	6,589.09

23 01 20 Operation and Maintenance of HVAC Piping and Pumps ^(23 01)

23 01 20 91 HVAC Piping And Pumps Restoration ^(23 01 20)

23 01 20 91-0001 Lock Out/Tag Out System ^(23 01 20 91)

23 01 20 91-0002	EA	Up To 1", Lock Out/Tag Out Valve.....	23.89
23 01 20 91-0003	EA	>1" To 3", Lock Out/Tag Out Valve.....	28.66
23 01 20 91-0004	EA	>3" To 6", Lock Out/Tag Out Valve.....	33.45
23 01 20 91-0005	EA	>6" To 10", Lock Out/Tag Out Valve.....	38.22
23 01 20 91-0006	EA	>10" To 14", Lock Out/Tag Out Valve.....	47.77
23 01 20 91-0007	EA	Lock Out/Tag Out Padlock System.....	19.11
23 01 20 91-0008	EA	Lock Out/Tag Out Tag.....	2.72

23 01 20 91-0009 Freeze Pipe Using CO2 Kit ^(23 01 20 91)

Note: For use on chilled water or cold water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0010	EA	Up To 2" Freeze Pipe Using CO2 Kit.....	126.26
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23 01 20 91-0011 Freeze Pipe Using Nitrogen ^(23 01 20 91)

Note: For use on any water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0012	EA	Up To 4" Pipe Freezing Using Nitrogen.....	1,155.77
23 01 20 91-0013	EA	>4" To 12" Pipe Freezing Using Nitrogen.....	2,311.54

23 01 20 91-0014 Water/Chlorine Pipe Disinfection/Flush/Testing ^(23 01 20 91)

Note: For existing piping when required. Water/chlorine solution per specification entitled "Water Distribution".

23 01 20 91-0015	LF	Up To 1", Water/Chlorine Pipe Disinfection/Flush/Testing.....	1.57
23 01 20 91-0016	LF	>1" To 2", Water/Chlorine Pipe Disinfection/Flush/Testing.....	2.15
23 01 20 91-0017	LF	>2" To 3", Water/Chlorine Pipe Disinfection/Flush/Testing.....	3.31
23 01 20 91-0018	LF	4", Water/Chlorine Pipe Disinfection/Flush/Testing.....	4.54
23 01 20 91-0019	LF	6", Water/Chlorine Pipe Disinfection/Flush/Testing.....	5.58
23 01 20 91-0020	LF	8", Water/Chlorine Pipe Disinfection/Flush/Testing.....	7.05
23 01 20 91-0021	LF	10", Water/Chlorine Pipe Disinfection/Flush/Testing.....	9.30
23 01 20 91-0022	LF	12", Water/Chlorine Pipe Disinfection/Flush/Testing.....	11.15

23 01 20 91-0023 Shut Down Existing Piping System ^(23 01 20 91)

23 01 20 91-0024	EA	Shut Down Existing Interior Piping System.....	192.42
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Note: Includes lock out/tag out and average line tracing. Use when valves are greater than 25' from work. When the shut-off valves for multiple lines are located with a 10' radius, the quantity used shall be one.

23 01 20 91-0025 Purge Liquid Systems ^(23 01 20 91)

Note: Includes collection and refilling/bleeding of system.

23 01 20 91-0026	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Liquid System.....	304.71
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23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 01 Operation and Maintenance of HVAC Systems****23 01 20 Operation and Maintenance of HVAC Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 01 20 91-0027	EA	>100 To 250', Up To 1-1/2" Diameter Pipe, Purge Liquid System	435.19	
23 01 20 91-0028	EA	>250 To 500', Up To 1-1/2" Diameter Pipe, Purge Liquid System	521.44	
23 01 20 91-0029	EA	>500 To 1,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System	551.24	
23 01 20 91-0030	EA	>1,000 To 2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System	1,052.36	
23 01 20 91-0031	EA	Up To 100', >1-1/2" To 4" Diameter Pipe, Purge Liquid System.....	405.60	
23 01 20 91-0032	EA	>100 To 250', 1-1/2" To 4" Diameter Pipe, Purge Liquid System.....	578.80	
23 01 20 91-0033	EA	>250 To 500', 1-1/2" To 4" Diameter Pipe, Purge Liquid System.....	689.05	
23 01 20 91-0034	EA	>500 To 1,000', 1-1/2" To 4" Diameter Pipe, Purge Liquid System.....	732.65	
23 01 20 91-0035	EA	>1,000 To 2,000', 1-1/2" To 4" Diameter Pipe, Purge Liquid System.....	1,411.70	
23 01 20 91-0036	EA	Up To 100', >4" To 10" Diameter Pipe, Purge Liquid System	500.05	
23 01 20 91-0037	EA	>100 To 250', >4" To 10" Diameter Pipe, Purge Liquid System.....	714.57	
23 01 20 91-0038	EA	>250 To 500', >4" To 10" Diameter Pipe, Purge Liquid System.....	1,942.68	
23 01 20 91-0039	EA	>1,000 To 2,000', >4" To 10" Diameter Pipe, Purge Liquid System.....	3,082.95	

23 01 20 91-0040 Special Cleaning Of Piping Systems (23 01 20 91)**23 01 20 91-0041 Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing (23 01 20 91-0040)**

23 01 20 91-0042	LF	Up To 1", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing.....	1.96	
23 01 20 91-0043	LF	>1" To 2", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	3.25	
23 01 20 91-0044	LF	>2" To 3", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	4.54	
23 01 20 91-0045	LF	>3" To 4", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	5.88	
23 01 20 91-0046	LF	>4" To 6", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	8.16	

23 01 20 91-0047 Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing (23 01 20 91-0040)

23 01 20 91-0048	LF	Up To 1", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing.....	2.09	
23 01 20 91-0049	LF	>1" To 2", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	3.42	
23 01 20 91-0050	LF	>2" To 3", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	4.77	
23 01 20 91-0051	LF	>3" To 4", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	6.23	
23 01 20 91-0052	LF	>4" To 6", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	8.63	

23 01 20 91-0053 Drewsperser 4945/4395 Pipe Disinfection/Flush/Testing (23 01 20 91-0040)

23 01 20 91-0054	LF	Up To 1", Drewsperser 4945/4395 Pipe Disinfection/Flush/Testing.....	2.13	
23 01 20 91-0055	LF	>1" To 2", Drewsperser 4945/4395 Pipe Disinfection/Flush/Testing	3.48	
23 01 20 91-0056	LF	>2" To 3", Drewsperser 4945/4395 Pipe Disinfection/Flush/Testing	4.87	
23 01 20 91-0057	LF	>3" To 4", Drewsperser 4945/4395 Pipe Disinfection/Flush/Testing	6.36	
23 01 20 91-0058	LF	>4" To 6", Drewsperser 4945/4395 Pipe Disinfection/Flush/Testing	8.81	

23 01 20 91-0059 Add-A-Valve Emergency Shut Off Device (23 01 20 91)

23 01 20 91-0060	EA	1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-103ADD)	229.80	
23 01 20 91-0061	EA	3/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-104ADD)	288.67	
23 01 20 91-0062	EA	1" Add-A-Valve Emergency Shut Off Device (Jomar 800-105ADD)	397.03	
23 01 20 91-0063	EA	1-1/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-106ADD)	601.30	
23 01 20 91-0064	EA	1-1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-107ADD)	740.43	
23 01 20 91-0065	EA	2" Add-A-Valve Emergency Shut Off Device (Jomar 800-108ADD)	1,110.02	

23 01 30 Operation and Maintenance of HVAC Air Distribution (23 01)**23 01 30 51 HVAC Air-Distribution System Cleaning (23 01 30)****23 01 30 51-0001 Special Cleaning Of Ductwork (23 01 30 51)**

Note: Includes sealing registers, grilles, diffusers as required.

23 01 30 51-0002	LF	Up To 2 SF Cross Section, Clean Supply/Return Ductwork	3.19	
		<i>For Exhaust Ductwork, Add</i>	<i>0.80</i>	
23 01 30 51-0003	LF	>2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork	3.99	
		<i>For Exhaust Ductwork, Add</i>	<i>1.00</i>	
23 01 30 51-0004	LF	>4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork	5.35	
		<i>For Exhaust Ductwork, Add</i>	<i>1.34</i>	
23 01 30 51-0005	LF	>8 SF Cross Section, Clean Supply/Return Ductwork	7.55	
		<i>For Exhaust Ductwork, Add</i>	<i>1.89</i>	
23 01 30 51-0006	SF	Clean Duct Dampers.....	10.76	
23 01 30 51-0007	SF	Clean Duct Fire Dampers	21.50	
23 01 30 51-0008	SF	Clean Louver.....	8.61	
23 01 30 51-0009	EA	Clean Turning Vane Set.....	25.81	
23 01 30 51-0010	EA	Clean Grille/Diffuser/Register.....	25.81	
		Note: Includes removal and reinstallation.		
23 01 30 51-0011	LF	Clean Linear Diffuser	6.45	
		Note: Includes removal and reinstallation.		
23 01 30 51-0012	EA	Cut Access For Cleaning Duct And Install Duct Insulated Access Doors	91.66	
		<i>For Stainless Steel, Add</i>	<i>67.22</i>	
23 01 30 51-0013	EA	Clean Variable Air Volume (VAV) Unit.....	77.42	
23 01 30 51-0014	EA	Clean Fan Powered Induction Unit (PIU) Unit.....	103.23	
23 01 30 51-0015	EA	Clean Fan Coil Unit (FCU) Unit.....	103.23	
23 01 30 51-0016	EA	Clean Supply Or Return Fan.....	206.45	
23 01 30 51-0017	EA	Clean Exhaust Fan	180.64	
23 01 30 51-0018	EA	Clean Duct Coil.....	154.83	
23 01 30 51-0019	SF	Clean Air Handling Unit Interior Housing, HEPA Vacuum.....	5.16	
		Note: Excluding fan and coils.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 30 51-0020 EA Clean Air Handling Unit Fan	206.45	
23 01 30 51-0021 EA Clean Air Handling Unit Coil	309.68	
23 01 30 51-0022 SF Clean Equipment Surfaces, Rust Reform And Prime	2.56	
23 01 30 51-0023 SF Clean Interior Equipment Surfaces, Rust Reform And Prime	3.08	
23 01 30 51-0024 SF HEPA Vacuuming Of Walls, Ceilings And Floors In Mechanical Rooms	0.52	
23 01 30 51-0025 EA Cleaning Of Ductwork Minimum Set-up Charge	720.33	
Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
23 01 30 51-0026 SF Apply Antimicrobial Agent To Ductwork And Surfaces After Cleaning.....	0.44	
23 01 30 61 HVAC Air-Distribution Duct Repair (23 01 30)		
23 01 30 61-0001 Repair And Seal Ductwork (23 01 30 61) Note: Includes removal of existing insulation, repair/seal ductwork with Duct Sealer and reinstallation of insulation. Excludes new ductwork.		
23 01 30 61-0002 SF Repair And Sealing Of Ductwork	1.71	
Note: Clean, apply sealant and tape		
23 01 50 Operation and Maintenance of Central Heating Equipment (23 01)		
23 01 50 61 Central Heating Equipment Repair (23 01 50)		
23 01 50 61-0001 Boiler Repairs (23 01 50 61)		
23 01 50 61-0002 Setup And Maintenance (23 01 50 61-0001)		
23 01 50 61-0003 EA Set-up Charge For Boiler Fire Side Maintenance	1,996.49	
Note: Includes removing/relocating doors, plates, portals, and burners required to access fireside.		
23 01 50 61-0004 EA Close-up Charge For Boiler Fire Side Maintenance	2,127.07	
Note: Includes replacement of doors, plates, portals, burners, adhesive, rope, wool, and seals.		
<i>For Burner Seals, Add</i>		
	599.65	
Note: Used when burner must be removed from door for maintenance.		
23 01 50 61-0005 EA Setup Charge For Boiler Water Side Maintenance	2,661.99	
Note: Includes closing valves, draining, and positioning equipment needed for tube replacement.		
23 01 50 61-0006 EA Up To 100 HP, Hydrostatic Test - Boiler Maintenance	1,331.00	
Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.		
23 01 50 61-0007 EA >100 HP, Hydrostatic Test - Boiler Maintenance	2,661.99	
Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.		
23 01 50 61-0008 EA Removal And Replacement Of Handhole	83.19	
23 01 50 61-0009 EA Removal And Replacement Of Manhole	249.56	
23 01 50 61-0010 SF Sheet Metal Jacket Patch	9.26	
23 01 50 61-0011 Boiler Tube Replacement (23 01 50 61-0001)		
23 01 50 61-0012 EA Removal Of Up To 2" Boiler Tube.....	199.64	
23 01 50 61-0013 EA Removal Of >2" To 3" Boiler Tube.....	249.57	
23 01 50 61-0014 EA Removal Of >3" To 4" Boiler Tube.....	349.38	
23 01 50 61-0015 LF Place 1-1/2" Boiler Tube Into Position For Termination	6.41	
Note: Includes black steel tube, fasteners and accessories.		
23 01 50 61-0016 LF Place 2" Boiler Tube Into Position For Termination	7.42	
Note: Includes black steel tube, fasteners and accessories.		
23 01 50 61-0017 LF Place 2-1/2" Boiler Tube Into Position For Termination	8.45	
Note: Includes black steel tube, fasteners and accessories.		
23 01 50 61-0018 LF Place 3" Boiler Tube Into Position For Termination	11.91	
Note: Includes black steel tube, fasteners and accessories.		
23 01 50 61-0019 LF Place 3-1/2" Boiler Tube Into Position For Termination	13.88	
Note: Includes black steel tube, fasteners and accessories.		
23 01 50 61-0020 LF Place 4" Boiler Tube Into Position For Termination	17.63	
Note: Includes black steel tube, fasteners and accessories.		
23 01 50 61-0021 EA 1-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	24.96	
23 01 50 61-0022 EA 2" Rolled Boiler Tube Termination (2 Per New Tube).....	37.44	
23 01 50 61-0023 EA 2-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	49.92	
23 01 50 61-0024 EA 3" Rolled Boiler Tube Termination (2 Per New Tube).....	62.40	
23 01 50 61-0025 EA 3-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	74.86	
23 01 50 61-0026 EA 4" Rolled Boiler Tube Termination (2 Per New Tube).....	87.34	
23 01 50 61-0027 EA 1-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	74.86	
23 01 50 61-0028 EA 2" Welded Boiler Tube Termination (2 Per New Tube).....	99.82	
23 01 50 61-0029 EA 2-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	124.78	
23 01 50 61-0030 EA 3" Welded Boiler Tube Termination (2 Per New Tube).....	149.74	
23 01 50 61-0031 EA 3-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	174.69	
23 01 50 61-0032 EA 4" Welded Boiler Tube Termination (2 Per New Tube).....	199.64	
23 01 50 61-0033 EA Plug Boiler Tube Hole Where Boiler Tube Is Not Replaced.....	238.08	
23 01 50 61-0034 Cast Iron Boiler Section Replacement (23 01 50 61-0001)		
23 01 50 61-0035 EA Replace Front Section Of Weil McLain Model 80 Cast Iron Boiler.....	2,161.69	
23 01 50 61-0036 EA Replace Rear Section Of Weil McLain Model 80 Cast Iron Boiler	1,473.74	
23 01 50 61-0037 EA Replace Inside Section Of Weil McLain Model 80 Cast Iron Boiler.....	1,878.80	
23 01 50 61-0038 EA Replace Front Section Of Weil McLain Model 88 Cast Iron Boiler.....	3,954.22	
23 01 50 61-0039 EA Replace Rear Section Of Weil McLain Model 88 Cast Iron Boiler	2,889.74	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 01 Operation and Maintenance of HVAC Systems****23 01 50 Operation and Maintenance of Central Heating Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 50 61-0040 EA Replace Inside Section Of Weil McLain Model 88 Cast Iron Boiler.....	3,413.15	
23 01 50 61-0041 EA Replace Front Section Of Weil McLain Model 94 Cast Iron Boiler.....	6,381.67	
23 01 50 61-0042 EA Replace Rear Section Of Weil McLain Model 94 Cast Iron Boiler.....	4,924.84	
23 01 50 61-0043 EA Replace Inside Section Of Weil McLain Model 94 Cast Iron Boiler.....	5,353.64	
23 01 50 61-0044 Cast Iron Grate Replacement (23 01 50 61-0001)		
23 01 50 61-0045 SF Replace Cast Iron Boiler Grates, Prepared From Casting Mold..... Note: Includes support, linkages and removal of existing.	90.00	
23 01 50 61-0046 EA Prepare Cast Iron Boiler Grate Mold..... Note: Includes preparing unique size mold for grate casting. Mold to be used for multiple castings.	1,195.84	
23 01 50 61-0047 Replacement Or Conversion Of Boiler Burners (23 01 50 61-0001)		
Note: Includes mounting plate, mechanical and electrical labor for installation of burners.		
23 01 50 61-0048 EA 700 MBH Max Input Burner With 2" Boiler Connection, Screwed.....	6,333.68	908.67
23 01 50 61-0049 EA 2,100 MBH Max Input Burner With 2-1/2" Boiler Connection, Screwed.....	9,061.15	1,125.00
23 01 50 61-0050 EA 2,800 MBH Max Input Burner With 3" Boiler Connection, Screwed.....	10,717.14	1,362.91
23 01 50 61-0051 EA 3,800 MBH Max Input Burner With 4" Boiler Connection, Flanged.....	12,582.14	1,466.20
23 01 50 61-0052 Boiler And Chiller Water Treatment (23 01 50 61)		
Note: 3 LB chemical per 50 gallon system water.		
23 01 50 61-0053 LB Boil Out Boiler And System With Caustic Soda..... Note: Includes disposal after treatment.	0.93	
23 01 50 61-0054 LB Boil Out Boiler And System With Trisodium Phosphate..... Note: Includes disposal after treatment.	1.40	
23 01 50 61-0055 GAL Corrosion Resistant Chemical Treatment, Based On Gallons Of Chemical Required.....	87.42	
23 01 60 Operation and Maintenance of Central Cooling Equipment (23 01)		
23 01 60 61 Central Cooling Equipment Repair (23 01 60)		
23 01 60 61-0001 Cooling Tower Repairs (23 01 60 61)		
23 01 60 61-0002 EA Replace 6' Diameter 4 Blade, Cooling Tower Fan Blade.....	1,982.85	
23 01 60 61-0003 EA Replace 6' Diameter 5 Blade, Cooling Tower Fan Blade.....	2,330.11	
23 01 60 61-0004 EA Replace 6' Diameter 6 Blade, Cooling Tower Fan Blade.....	2,674.82	
23 01 60 61-0005 EA Replace 6' Diameter 7 Blade, Cooling Tower Fan Blade.....	3,152.63	
23 01 60 61-0006 EA Replace 6' Diameter 8 Blade, Cooling Tower Fan Blade.....	3,470.74	
23 01 60 61-0007 EA Replace 8' Diameter 4 Blade, Cooling Tower Fan Blade.....	2,195.30	
23 01 60 61-0008 EA Replace 8' Diameter 5 Blade, Cooling Tower Fan Blade.....	2,438.62	
23 01 60 61-0009 EA Replace 8' Diameter 6 Blade, Cooling Tower Fan Blade.....	2,856.85	
23 01 60 61-0010 EA Replace 8' Diameter 7 Blade, Cooling Tower Fan Blade.....	3,249.74	
23 01 60 61-0011 EA Replace 8' Diameter 8 Blade, Cooling Tower Fan Blade.....	3,575.46	
23 01 60 61-0012 EA Replace Individual Cooling Tower Fan Blade For 6' Diameter Fan.....	543.23	
23 01 60 61-0013 EA Replace Individual Cooling Tower Fan Blade For 8' Diameter Fan.....	565.70	
23 01 60 61-0014 EA Replace Individual Cooling Tower Fan Blade For 10' Diameter Fan.....	605.92	
23 01 60 61-0015 EA Replace Individual Cooling Tower Fan Blade For 12' Diameter Fan.....	705.69	
23 01 60 61-0016 EA Replace Individual Cooling Tower Fan Blade For 14' Diameter Fan.....	872.63	
23 01 60 61-0017 EA Replace Individual Cooling Tower Fan Blade For 16' Diameter Fan.....	1,175.19	
23 01 60 61-0018 EA Replace Individual Cooling Tower Fan Blade For 18' Diameter Fan.....	1,236.95	
23 01 60 61-0019 EA Replace Individual Cooling Tower Fan Blade For 20' Diameter Fan.....	1,329.59	
23 01 60 61-0020 EA Replace Counterflow Nozzle (1/2" - 2" NPT Thread).....	29.01	
23 01 60 61-0021 EA Replace 6' Polyvinyl Chloride (PVC) Splash Fill.....	18.62	
23 01 60 71 Refrigerant Recovery/Recycling (23 01 60)		
23 01 60 71-0001 Refrigerant Recovery, Reclaim And Recycling (23 01 60 71)		
23 01 60 71-0002 LB Recovery Of Refrigerant.....	7.26	
23 01 60 71-0003 LB Recovery And Recharging Of Refrigerant..... Note: Includes cleaning refrigerant gas prior to recharging.	13.60	
23 05 Common Work Results For HVAC (23)		
23 05 13 Common Motor Requirements For HVAC Equipment (23 05)		
Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor.		
23 05 13 00-0001 Premium Efficient, Motors (23 05 13)		
Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. Excludes installation. See CSI section 23 05 13 00-0216 for installation.		
23 05 13 00-0002 Premium Efficient, Open Drip Proof Motors (23 05 13 00-0001)		
Note: NEMA premium efficiency, open drip proof, three phase AC motors.		
23 05 13 00-0003 Steel Frame, Premium Efficient, Open Drip Proof Motors (23 05 13 00-0002)		
23 05 13 00-0004 EA 1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	470.45	
23 05 13 00-0005 EA 1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	532.70	
23 05 13 00-0006 EA 1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	624.55	
23 05 13 00-0007 EA 1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	524.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0008 EA 1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	557.19	
23 05 13 00-0009 EA 1-1/2 HP, 1,200 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	730.68	
23 05 13 00-0010 EA 2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	616.38	
23 05 13 00-0011 EA 2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	596.99	
23 05 13 00-0012 EA 2 HP, 1,200 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	747.01	
23 05 13 00-0013 EA 3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	624.55	
23 05 13 00-0014 EA 3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	643.94	
23 05 13 00-0015 EA 3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	951.11	
23 05 13 00-0016 EA 5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	681.69	
23 05 13 00-0017 EA 5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	705.17	
23 05 13 00-0018 EA 5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,246.03	
23 05 13 00-0019 EA 7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,081.73	
23 05 13 00-0020 EA 7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,036.83	
23 05 13 00-0021 EA 7-1/2 HP, 1,200 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,494.01	
23 05 13 00-0022 EA 10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,236.85	
23 05 13 00-0023 EA 10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,255.22	
23 05 13 00-0024 EA 10 HP, 1,200 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,944.05	
23 05 13 00-0025 EA 15 HP, 3,600 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,757.30	
23 05 13 00-0026 EA 15 HP, 1,800 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,777.71	
23 05 13 00-0027 EA 15 HP, 1,200 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	2,621.66	
23 05 13 00-0028 EA 20 HP, 3,600 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	2,064.47	
23 05 13 00-0029 EA 20 HP, 1,800 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	2,231.83	
23 05 13 00-0030 EA 20 HP, 1,200 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	3,191.10	
23 05 13 00-0031 EA 25 HP, 3,600 RPM, 284TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	2,478.79	
23 05 13 00-0032 EA 25 HP, 1,800 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	2,720.65	
23 05 13 00-0033 EA 25 HP, 1,200 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	3,854.43	
23 05 13 00-0034 EA 30 HP, 3,600 RPM, 286TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	2,924.75	
23 05 13 00-0035 EA 30 HP, 1,800 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	2,974.76	
23 05 13 00-0036 EA 30 HP, 1,200 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	4,020.77	
23 05 13 00-0037 EA 40 HP, 3,600 RPM, 324TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	3,768.71	
23 05 13 00-0038 EA 40 HP, 1,800 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	3,880.96	
23 05 13 00-0039 EA 50 HP, 3,600 RPM, 326TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	4,104.45	
23 05 13 00-0040 EA 50 HP, 1,800 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	4,283.04	
23 05 13 00-0041 EA 60 HP, 3,600 RPM, 364TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	5,193.32	
23 05 13 00-0042 EA 60 HP, 1,800 RPM, 364T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	5,392.32	
23 05 13 00-0043 EA 75 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	6,812.86	
23 05 13 00-0044 EA 75 HP, 1,800 RPM, 365T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	6,618.96	
23 05 13 00-0045 EA 100 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	7,282.29	
23 05 13 00-0046 EA 100 HP, 1,800 RPM, 404T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	7,700.69	
23 05 13 00-0047 EA 125 HP, 3,600 RPM, 404TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	9,139.60	
23 05 13 00-0048 EA 125 HP, 1,800 RPM, 405T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	9,446.77	
23 05 13 00-0049 EA 150 HP, 3,600 RPM, 405TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	11,274.48	
23 05 13 00-0050	Cast Iron Frame, Premium Efficient, Open Drip Proof Motors <small>(23 05 13 00-0002)</small>	
23 05 13 00-0051 EA 40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	5,728.07	
23 05 13 00-0052 EA 50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	6,934.30	
23 05 13 00-0053 EA 60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	8,803.85	
23 05 13 00-0054 EA 75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	9,801.90	
23 05 13 00-0055 EA 100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	10,788.73	
23 05 13 00-0056 EA 125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	11,651.05	
23 05 13 00-0057 EA 150 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	10,493.80	
23 05 13 00-0058 EA 150 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	13,721.64	
23 05 13 00-0059 EA 200 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	12,776.66	
23 05 13 00-0060 EA 200 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	13,113.42	
23 05 13 00-0061 EA 200 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	18,037.34	
23 05 13 00-0062	Premium Efficient, TEFC Motors <small>(23 05 13 00-0001)</small>	
Note: NEMA premium efficiency, totally enclosed fan cooled, three phase AC motors.		
23 05 13 00-0063	Steel Frame, Premium Efficient, TEFC Motors <small>(23 05 13 00-0062)</small>	
23 05 13 00-0064 EA 1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, TEFC Motor.....	550.05	
23 05 13 00-0065 EA 1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	606.18	
23 05 13 00-0066 EA 1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	721.49	
23 05 13 00-0067 EA 1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	623.53	
23 05 13 00-0068 EA 1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	629.65	
23 05 13 00-0069 EA 2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	682.71	
23 05 13 00-0070 EA 2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	653.12	
23 05 13 00-0071 EA 3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	757.21	
23 05 13 00-0072 EA 3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	721.49	
23 05 13 00-0073 EA 3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,158.27	
23 05 13 00-0074 EA 5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	839.87	
23 05 13 00-0075 EA 5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	789.87	
23 05 13 00-0076 EA 5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,308.28	
23 05 13 00-0077 EA 7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,258.28	
23 05 13 00-0078 EA 7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,138.88	
23 05 13 00-0079 EA 10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,275.62	
23 05 13 00-0080 EA 10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,285.83	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 05 Common Work Results For HVAC

23 05 13 Common Motor Requirements For HVAC Equipment



MINOR CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION UNIT COST UNIT COST

Table with 4 columns: Item ID, Description, Unit of Measure, and Cost. Includes sub-section 'Cast Iron Frame, Premium Efficient, TEFC Motors' with 50 items.

23 05 13 00-0130 Premium Efficient, Severe Duty Motors (23 05 13 00-0001)

Note: NEMA premium efficiency, TEFC enclosure severe duty, three phase AC motors.

Table with 4 columns: Item ID, Description, Unit of Measure, and Cost. Includes 30 items for 'Premium Efficient, Severe Duty Motors'.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0159	EA		15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,510.43	
23 05 13 00-0160	EA		15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,358.38	
23 05 13 00-0161	EA		15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	3,658.49	
23 05 13 00-0162	EA		15 HP, 900 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	6,710.81	
23 05 13 00-0163	EA		20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,928.84	
23 05 13 00-0164	EA		20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,529.82	
23 05 13 00-0165	EA		20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	4,970.86	
23 05 13 00-0166	EA		20 HP, 900 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	7,650.69	
23 05 13 00-0167	EA		25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	3,519.70	
23 05 13 00-0168	EA		25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	3,310.50	
23 05 13 00-0169	EA		25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	5,194.34	
23 05 13 00-0170	EA		30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	4,291.20	
23 05 13 00-0171	EA		30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	3,930.97	
23 05 13 00-0172	EA		30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	6,696.52	
23 05 13 00-0173	EA		40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	5,895.43	
23 05 13 00-0174	EA		40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	5,143.32	
23 05 13 00-0175	EA		40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	8,346.67	
23 05 13 00-0176	EA		50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	6,178.11	
23 05 13 00-0177	EA		50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	6,037.28	
23 05 13 00-0178	EA		50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	8,890.60	
23 05 13 00-0179	EA		60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	8,966.11	
23 05 13 00-0180	EA		60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	8,091.54	
23 05 13 00-0181	EA		60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	12,143.95	
23 05 13 00-0182	EA		75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	10,023.35	
23 05 13 00-0183	EA		75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	9,454.93	
23 05 13 00-0184	EA		75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	14,779.90	
23 05 13 00-0185	EA		100 HP, 3,600 RPM, 405TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	12,599.09	
23 05 13 00-0186	EA		100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	12,411.32	
23 05 13 00-0187	EA		100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	16,256.56	
23 05 13 00-0188	EA		125 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	14,804.39	
23 05 13 00-0189	EA		125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	14,672.75	
23 05 13 00-0190	EA		125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	18,364.92	
23 05 13 00-0191	EA		150 HP, 3,600 RPM, 445TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	17,355.64	
23 05 13 00-0192	EA		150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	17,189.30	
23 05 13 00-0193	EA		150 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	20,705.94	
23 05 13 00-0194	EA		200 HP, 3,600 RPM, 447TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	20,551.85	
23 05 13 00-0195	EA		200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	20,678.39	
23 05 13 00-0196	EA		200 HP, 1,200 RPM, 449T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	27,122.85	
23 05 13 00-0197 Premium Efficient, Explosion Proof Motors (23 05 13 00-0001)					
Note: NEMA premium efficiency, explosion proof, three phase AC motors.					
23 05 13 00-0198	EA		1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	1,087.85	
23 05 13 00-0199	EA		1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	1,126.63	
23 05 13 00-0200	EA		2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	1,228.68	
23 05 13 00-0201	EA		3 HP, 1,800 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	1,518.50	
23 05 13 00-0202	EA		5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	1,683.82	
23 05 13 00-0203	EA		7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	2,320.62	
23 05 13 00-0204	EA		10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	2,368.58	
23 05 13 00-0205	EA		15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	3,206.41	
23 05 13 00-0206	EA		20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	3,655.43	
23 05 13 00-0207	EA		25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	4,802.47	
23 05 13 00-0208	EA		30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	5,390.28	
23 05 13 00-0209	EA		40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	7,048.59	
23 05 13 00-0210	EA		50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	7,938.47	
23 05 13 00-0211	EA		60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	11,105.08	
23 05 13 00-0212	EA		75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	13,036.89	
23 05 13 00-0213	EA		100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	15,881.02	
23 05 13 00-0214	EA		125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	20,756.97	
23 05 13 00-0215	EA		150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	23,683.76	
23 05 13 00-0216 Motor Mounting (23 05 13)					
Note: Includes handling and motor installation on mounting base. Excludes mounting base.					
23 05 13 00-0217	EA		1/2 HP Motor Mounting.....	151.73	77.20
23 05 13 00-0218	EA		3/4 HP Motor Mounting.....	174.83	96.51
23 05 13 00-0219	EA		1 HP Motor Mounting.....	187.02	96.51
23 05 13 00-0220	EA		1-1/2 HP Motor Mounting.....	201.05	96.51
23 05 13 00-0221	EA		2 HP Motor Mounting.....	217.35	115.80
23 05 13 00-0222	EA		3 HP Motor Mounting.....	251.30	115.80
23 05 13 00-0223	EA		5 HP Motor Mounting.....	297.84	193.00
23 05 13 00-0224	EA		7-1/2 HP Motor Mounting.....	382.95	193.00
23 05 13 00-0225	EA		10 HP Motor Mounting.....	502.62	337.76
23 05 13 00-0226	EA		15 HP Motor Mounting.....	618.60	337.76
23 05 13 00-0227	EA		20 HP Motor Mounting.....	731.08	482.51
23 05 13 00-0228	EA		25 HP Motor Mounting.....	829.05	482.51
23 05 13 00-0229	EA		30 HP Motor Mounting.....	1,005.22	482.51
23 05 13 00-0230	EA		40 HP Motor Mounting.....	1,132.65	723.76
23 05 13 00-0231	EA		50 HP Motor Mounting.....	1,256.54	723.76
23 05 13 00-0232	EA		75 HP Motor Mounting.....	1,517.33	1,061.52
23 05 13 00-0233	EA		100 HP Motor Mounting.....	1,827.68	1,061.52

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 05 Common Work Results For HVAC

23 05 13 Common Motor Requirements For HVAC Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 05 13 00-0234	EA		125 HP Motor Mounting	2,233.83	1,447.52
23 05 13 00-0235	EA		150 HP Motor Mounting	2,594.14	1,447.52
23 05 13 00-0236	EA		200 HP Motor Mounting	2,978.44	1,737.03

23 05 16 Expansion Fittings And Loops For HVAC Piping (23 05)

23 05 16 00-0001 Stainless Steel Bellows Type Expansion Joints (23 05 16)

Note: Includes internal sleeves and external covers.

23 05 16 00-0002 Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001)

Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0003	EA		1/2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	173.18	74.64
			<i>For 300 LB Rating, Add</i>	5.95	
23 05 16 00-0004	EA		3/4" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	194.34	84.18
			<i>For 300 LB Rating, Add</i>	6.52	
23 05 16 00-0005	EA		1" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	226.93	96.50
			<i>For 300 LB Rating, Add</i>	8.50	
23 05 16 00-0006	EA		1-1/4" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	255.98	107.71
			<i>For 300 LB Rating, Add</i>	10.20	
23 05 16 00-0007	EA		1-1/2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	276.83	115.76
			<i>For 300 LB Rating, Add</i>	11.33	
23 05 16 00-0008	EA		2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	319.96	136.22
			<i>For 300 LB Rating, Add</i>	11.90	

23 05 16 00-0009 Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001)

Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0010	EA		1-1/4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	638.18	74.60
			<i>For 300 LB Rating, Add</i>	136.38	
23 05 16 00-0011	EA		1-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	693.35	89.52
			<i>For 300 LB Rating, Add</i>	145.30	
23 05 16 00-0012	EA		2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	723.38	113.64
			<i>For 300 LB Rating, Add</i>	145.32	
23 05 16 00-0013	EA		2-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	779.36	123.62
			<i>For 300 LB Rating, Add</i>	156.09	
23 05 16 00-0014	EA		3" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	856.08	144.93
			<i>For 300 LB Rating, Add</i>	168.67	
23 05 16 00-0015	EA		4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,032.22	242.97
			<i>For 300 LB Rating, Add</i>	181.94	
23 05 16 00-0016	EA		5" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,412.77	262.56
			<i>For 300 LB Rating, Add</i>	271.27	
23 05 16 00-0017	EA		6" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,295.25	291.74
			<i>For 300 LB Rating, Add</i>	232.32	
23 05 16 00-0018	EA		8" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,667.58	372.77
			<i>For 300 LB Rating, Add</i>	301.13	
23 05 16 00-0019	EA		10" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	2,125.36	453.81
			<i>For 300 LB Rating, Add</i>	389.53	
23 05 16 00-0020	EA		12" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	2,801.83	343.76
			<i>For 300 LB Rating, Add</i>	528.35	
23 05 16 00-0021	EA		14" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	3,579.92	648.30
			<i>For 300 LB Rating, Add</i>	692.39	
23 05 16 00-0022	EA		16" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	4,656.26	713.13
			<i>For 300 LB Rating, Add</i>	941.21	

23 05 16 00-0023 Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001)

Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0024	EA		1-1/4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	642.69	102.31
			<i>For 300 LB Rating, Add</i>	109.54	
23 05 16 00-0025	EA		1-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	673.13	103.15
			<i>For 300 LB Rating, Add</i>	116.70	
23 05 16 00-0026	EA		2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	680.22	106.57
			<i>For 300 LB Rating, Add</i>	116.72	
23 05 16 00-0027	EA		2-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	734.14	116.20
			<i>For 300 LB Rating, Add</i>	125.37	
23 05 16 00-0028	EA		3" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	816.61	136.66
			<i>For 300 LB Rating, Add</i>	135.75	
23 05 16 00-0029	EA		4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,128.24	272.13
			<i>For 300 LB Rating, Add</i>	146.13	
23 05 16 00-0030	EA		5" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,419.06	274.48
			<i>For 300 LB Rating, Add</i>	217.88	
23 05 16 00-0031	EA		6" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,353.73	303.89
			<i>For 300 LB Rating, Add</i>	186.60	
23 05 16 00-0032	EA		8" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,660.93	347.25
			<i>For 300 LB Rating, Add</i>	241.86	
23 05 16 00-0033	EA		10" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	2,100.65	425.45
			<i>For 300 LB Rating, Add</i>	312.86	
23 05 16 00-0034	EA		12" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	2,728.84	515.73
			<i>For 300 LB Rating, Add</i>	424.37	
23 05 16 00-0035	EA		14" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	3,361.10	525.13
			<i>For 300 LB Rating, Add</i>	577.65	
23 05 16 00-0036	EA		16" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	4,454.08	656.41
			<i>For 300 LB Rating, Add</i>	785.25	



	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 05 17 Sleeves and Sleeve Seals for HVAC Piping (23 05)

23 05 17 00-0001 Wall Seals And Sleeves (23 05 17)
 Note: Up to 12" walls. Excludes drilling hole.

23 05 17 00-0002 Ductile Iron Wall Sleeve (23 05 17 00-0001)
 Note: Includes rubber gasket seal.

23 05 17 00-0003	EA	3" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	96.39		41.87
23 05 17 00-0004	EA	4" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	116.94		48.90
23 05 17 00-0005	EA	6" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	142.19		58.67
23 05 17 00-0006	EA	8" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	205.22		87.96
23 05 17 00-0007	EA	10" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	266.89		117.25
23 05 17 00-0008	EA	12" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	330.45		146.62

23 05 17 00-0009 Steel Pipe Sleeves (23 05 17 00-0001)
 Note: Includes link seals 12" length.

23 05 17 00-0010	EA	2" Steel Pipe Sleeve With Link Seals.....	105.02		41.06
23 05 17 00-0011	EA	2-1/2" Steel Pipe Sleeve With Link Seals.....	126.48		44.51
23 05 17 00-0012	EA	3" Steel Pipe Sleeve With Link Seals.....	147.14		47.97
23 05 17 00-0013	EA	4" Steel Pipe Sleeve With Link Seals.....	180.57		57.55
23 05 17 00-0014	EA	6" Steel Pipe Sleeve With Link Seals.....	255.47		71.86
23 05 17 00-0015	EA	10" Steel Pipe Sleeve With Link Seals.....	462.29		86.27
23 05 17 00-0016	EA	13.25" Inside Diameter Steel Pipe Sleeve With Link Seals.....	547.82		107.84
23 05 17 00-0017	EA	17.25" Inside Diameter Steel Pipe Sleeve With Link Seals.....	726.73		132.69
23 05 17 00-0018	EA	23.25" Inside Diameter Steel Pipe Sleeve With Link Seals.....	992.40		172.54
23 05 17 00-0019	EA	29.25" Inside Diameter Steel Pipe Sleeve With Link Seals.....	1,082.14		215.67

23 05 19 Meters And Gages For HVAC Piping (23 05)

23 05 19 00-0001 Thermometers (23 05 19)

23 05 19 00-0002 Dial Type, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometers (23 05 19 00-0001)
 Note: Various ranges.

23 05 19 00-0003	EA	2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer.....	96.28		29.64
23 05 19 00-0004	EA	2-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer.....	114.64		29.64
23 05 19 00-0005	EA	3-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer.....	114.64		29.64

23 05 19 00-0006 Liquid Filled Industrial Union Connection Type Thermometers (23 05 19 00-0001)
 Note: Various ranges.

23 05 19 00-0007	EA	7" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	133.00		29.64
23 05 19 00-0008	EA	9" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	133.00		29.64
23 05 19 00-0009	EA	12" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	171.40		29.64
23 05 19 00-0010	EA	7" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	138.01		29.64
23 05 19 00-0011	EA	9" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	146.36		29.64
23 05 19 00-0012	EA	12" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	176.41		29.64

23 05 19 00-0013 Liquid Filled Industrial Separable Socket Type Thermometers (23 05 19 00-0001)
 Note: Various ranges. Socket connection for thermowell.

23 05 19 00-0014	EA	7" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer.....	133.00		29.64
23 05 19 00-0015	EA	9" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer.....	133.00		29.64
23 05 19 00-0016	EA	12" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer.....	171.40		29.64
23 05 19 00-0017	EA	7" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer.....	154.71		29.64
23 05 19 00-0018	EA	9" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer.....	171.40		29.64
23 05 19 00-0019	EA	12" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer.....	175.66		29.64

23 05 19 00-0020 1" NPT, 304 Stainless Steel Thermowells (23 05 19 00-0001)

23 05 19 00-0021	EA	4" Long, 1" NPT, 304 Stainless Steel Thermowell.....	143.41		55.57
23 05 19 00-0022	EA	8" Long, 1" NPT, 304 Stainless Steel Thermowell.....	143.35		55.57

23 05 19 00-0023 Pressure Gauges (23 05 19)

23 05 19 00-0024 Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges (23 05 19 00-0023)

23 05 19 00-0025	EA	2" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	33.84		11.57
23 05 19 00-0026	EA	4" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	43.69		11.57

23 05 19 00-0027 Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges (23 05 19 00-0023)

23 05 19 00-0028	EA	3-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	163.56		11.57
23 05 19 00-0029	EA	4-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	163.56		11.57
23 05 19 00-0030	EA	6" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	211.24		11.57
23 05 19 00-0031	EA	8-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	492.04		11.57

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 19 Meters And Gages For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0032 Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges (23 05 19 00-0023) Note: Liquid filled.		
23 05 19 00-0033 EA 2-1/2" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	87.88	11.57
23 05 19 00-0034 EA 4" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	191.37	11.57
23 05 19 00-0035 Steel Case, 0 To 10K PSI High Pressure, Pressure Gauges (23 05 19 00-0023)		
23 05 19 00-0036 EA 4-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge.....	321.99	11.57
23 05 19 00-0037 EA 6-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge.....	321.99	11.57
23 05 19 00-0038 EA 8-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge.....	321.99	11.57
23 05 19 00-0039 Gauge Accessories (23 05 19 00-0023)		
23 05 19 00-0040 EA Pete's Plug (Valve Cock For Removable Pressure Gauge Or Thermometer).....	65.10	9.26
23 05 19 00-0041 EA 1/4" Snubber Valve.....	41.75	9.26
23 05 19 00-0042 EA 1/4" Female Pipe Thread, Brass Gauge Cock.....	26.56	13.89
23 05 19 00-0043 EA 1/4" Male Pipe Thread, Brass Gauge Cock.....	23.30	13.89
23 05 19 00-0044 EA 1/4" Pressure Pigtail Steam Siphon.....	25.18	13.89
23 05 19 00-0045 EA 1/4" x 3" Long Black Steel Nipple.....	5.38	4.63
23 05 19 00-0046 EA 1/4" Steel Thread-O-Let.....	62.07	23.16
23 05 19 00-0047 EA 1/4", 300 LB, Black Steel Union.....	57.81	9.26
23 05 19 00-0048 EA 1/4", Black Steel Coupling.....	19.98	9.26
23 05 19 00-0049 EA 1/4", 300 LB, Black Steel Plug.....	11.44	5.55
23 05 19 00-0050 EA 1/4", 150 LB, Black Steel Cap.....	11.93	5.55
23 05 19 00-0051 LF 1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	6.23	
23 05 19 00-0052 LF 1/4" Schedule 80, Plain End, Black Steel Pipe.....	5.94	
23 05 19 00-0053 LF 1/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe.....	6.04	
23 05 19 00-0054 EA 1/4" Threaded, 800 LB, Forged Steel, Ball Valve.....	79.20	
23 05 19 00-0055 Valve Lock Covers (23 05 19)		
23 05 19 00-0056 EA Valve Lock Cover.....	55.64	14.17
23 05 19 00-0057 Venturi Flowmeters (23 05 19)		
23 05 19 00-0058 Threaded, Brass, Venturi Flowmeters (23 05 19 00-0057)		
23 05 19 00-0059 EA 3/4" Threaded, Brass, Venturi Flowmeter.....	213.86	62.97
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0060 EA 1" Threaded, Brass, Venturi Flowmeter.....	237.46	75.56
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0061 EA 1-1/4" Threaded, Brass, Venturi Flowmeter.....	262.03	84.00
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0062 EA 1-1/2" Threaded, Brass, Venturi Flowmeter.....	295.29	94.46
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0063 EA 2" Threaded, Brass, Venturi Flowmeter.....	350.59	107.98
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0064 EA 2-1/2" Threaded, Brass, Venturi Flowmeter.....	477.64	145.77
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0065 Butt Weld, Carbon Steel, Venturi Flowmeters (23 05 19 00-0057)		
23 05 19 00-0066 EA 3" Butt Weld, Carbon Steel, Venturi Flowmeter.....	806.32	129.41
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	191.63	
23 05 19 00-0067 EA 4" Butt Weld, Carbon Steel, Venturi Flowmeter.....	1,095.34	155.29
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	274.67	
23 05 19 00-0068 EA 5" Butt Weld, Carbon Steel, Venturi Flowmeter.....	1,428.50	194.10
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	364.10	
23 05 19 00-0069 EA 6" Butt Weld, Carbon Steel, Venturi Flowmeter.....	1,722.15	258.81
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	421.59	
23 05 19 00-0070 EA 8" Butt Weld, Carbon Steel, Venturi Flowmeter.....	2,464.45	310.57
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	645.16	
23 05 19 00-0071 EA 10" Butt Weld, Carbon Steel, Venturi Flowmeter.....	3,933.77	388.22
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	1,105.07	
23 05 19 00-0072 EA 12" Butt Weld, Carbon Steel, Venturi Flowmeter.....	5,861.60	539.98
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	1,673.57	
23 05 19 00-0073 EA 14" Butt Weld, Carbon Steel, Venturi Flowmeter.....	8,263.12	809.98
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	2,325.11	
23 05 19 00-0074 EA 16" Butt Weld, Carbon Steel, Venturi Flowmeter.....	12,111.46	899.98
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	3,609.03	
23 05 19 00-0075 Turbine Flowmeter (23 05 19)		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 05	19 00-0076	EA	Saddle Mount Turbine Flowmeter.....	552.79	69.46
23 05 19 00-0077				Sight Flow Indicator <small>(23 05 19)</small>		
23 05 19 00-0078				Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator <small>(23 05 19 00-0077)</small>		
	23 05	19 00-0079	EA	1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	104.13	13.91
	23 05	19 00-0080	EA	3/8" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	108.82	14.64
	23 05	19 00-0081	EA	1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	117.47	15.39
	23 05	19 00-0082	EA	3/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	133.37	20.74
	23 05	19 00-0083	EA	1" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	159.58	25.13
	23 05	19 00-0084	EA	1-1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	182.68	31.82
	23 05	19 00-0085	EA	1-1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	254.55	36.79
	23 05	19 00-0086	EA	2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	283.44	43.48
23 05 19 00-0087				Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator <small>(23 05 19 00-0077)</small>		
	23 05	19 00-0088	EA	1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	133.23	13.91
	23 05	19 00-0089	EA	3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	137.27	14.64
	23 05	19 00-0090	EA	1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	147.86	15.39
	23 05	19 00-0091	EA	3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	159.23	20.74
	23 05	19 00-0092	EA	1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	170.57	25.13
	23 05	19 00-0093	EA	1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	187.21	31.82
	23 05	19 00-0094	EA	1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	342.49	36.79
	23 05	19 00-0095	EA	2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	368.79	43.48
23 05 19 00-0096				Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator <small>(23 05 19 00-0077)</small>		
	23 05	19 00-0097	EA	1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	189.48	13.91
	23 05	19 00-0098	EA	3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	199.99	14.64
	23 05	19 00-0099	EA	1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	217.05	15.39
	23 05	19 00-0100	EA	3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	238.12	20.74
	23 05	19 00-0101	EA	1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	274.02	25.13
	23 05	19 00-0102	EA	1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	292.61	31.82
	23 05	19 00-0103	EA	1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	575.26	36.79
	23 05	19 00-0104	EA	2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	608.03	43.48
23 05 19 00-0105				Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicators <small>(23 05 19 00-0077)</small>		
	23 05	19 00-0106	EA	1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	131.29	13.91
	23 05	19 00-0107	EA	3/8" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	136.63	14.64
	23 05	19 00-0108	EA	1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	144.63	15.39
	23 05	19 00-0109	EA	3/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	158.58	20.74
	23 05	19 00-0110	EA	1" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	169.92	25.13
	23 05	19 00-0111	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	187.21	31.82
	23 05	19 00-0112	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	338.61	36.79
	23 05	19 00-0113	EA	2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	363.61	43.48
23 05 19 00-0114				Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicators <small>(23 05 19 00-0077)</small>		
	23 05	19 00-0115	EA	1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	188.19	13.91
	23 05	19 00-0116	EA	3/8" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	202.58	14.64

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 19 Meters And Gages For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0117	EA		1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	220.93	15.39
23 05 19 00-0118	EA		3/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	238.12	20.74
23 05 19 00-0119	EA		1" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	274.02	25.13
23 05 19 00-0120	EA		1-1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	295.19	31.82
23 05 19 00-0121	EA		1-1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	575.26	36.79
23 05 19 00-0122	EA		2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	608.03	43.48
23 05 19 00-0123			Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicators <small>(23 05 19 00-0077)</small>		
23 05 19 00-0124	EA		1" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	279.20	25.13
23 05 19 00-0125	EA		1-1/4" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	315.88	31.82
23 05 19 00-0126	EA		1-1/2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	359.90	36.79
23 05 19 00-0127	EA		2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	405.00	43.48
23 05 19 00-0128			Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicators <small>(23 05 19 00-0077)</small>		
23 05 19 00-0129	EA		1-1/2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	618.76	100.34
23 05 19 00-0130	EA		2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	696.26	127.38
23 05 19 00-0131	EA		3" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,012.52	149.53
23 05 19 00-0132	EA		4" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,536.53	250.68
23 05 19 00-0133	EA		6" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	2,446.73	298.68
23 05 19 00-0134			Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicators <small>(23 05 19 00-0077)</small>		
23 05 19 00-0135	EA		1" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	472.94	71.67
23 05 19 00-0136	EA		1-1/4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	557.78	83.61
23 05 19 00-0137	EA		1-1/2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	605.51	100.34
23 05 19 00-0138	EA		2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	759.30	127.38
23 05 19 00-0139	EA		3" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,089.79	149.53
23 05 19 00-0140	EA		4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,620.26	250.68
23 05 19 00-0141			Water Flow Switches <small>(23 05 19)</small>		
23 05 19 00-0142	EA		Flexible Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BF-1)	182.69	27.29
23 05 19 00-0143	EA		Rigid Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BR-1)	188.61	27.29
23 05 19 00-0144	EA		Flexible Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BF-1)	238.61	27.29
23 05 19 00-0145	EA		Rigid Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BR-1)	246.19	27.29
23 05 19 00-0146	EA		Flexible Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BF-1)	196.18	27.29
23 05 19 00-0147	EA		Rigid Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BR-1)	203.08	27.29
23 05 19 00-0148	EA		Flexible Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BF-1)	252.11	27.29
23 05 19 00-0149	EA		Rigid Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BR-1)	259.01	27.29
23 05 19 00-0150	EA		Flexible Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SF-1)	481.38	27.29
23 05 19 00-0151	EA		Rigid Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SR-1)	488.07	27.29
23 05 19 00-0152	EA		Flexible Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SF-1)	551.64	27.29
23 05 19 00-0153	EA		Rigid Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SR-1)	560.84	27.29
23 05 19 00-0154	EA		Flexible Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SF-1)	497.27	27.29
23 05 19 00-0155	EA		Rigid Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SR-1)	506.47	27.29
23 05 19 00-0156	EA		Flexible Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SF-1)	567.53	27.29
23 05 19 00-0157	EA		Rigid Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SR-1)	577.57	27.29
23 05 23			General-Duty Valves For HVAC Piping <small>(23 05)</small>		
			Note: Flanged valves exclude bolt and gasket sets. See CSI section 23 21 13 23-0577 for bolt and gasket sets.		
23 05 23 00-0001			Gate Valves <small>(23 05 23)</small>		
23 05 23 00-0002			Class 125 Brazed Or Soldered Bronze Gate Valves <small>(23 05 23 00-0001)</small>		
			Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve 105)		
23 05 23 00-0003	EA		1/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	63.67	9.55
			For Work In Restricted Working Space, Add	8.35	
			For 150 LB Rating, Add	3.58	
			For 200 LB Rating, Add	5.38	
23 05 23 00-0004	EA		3/8" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	65.13	9.55
			For Work In Restricted Working Space, Add	8.79	
			For 150 LB Rating, Add	3.58	
			For 200 LB Rating, Add	5.38	
23 05 23 00-0005	EA		1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	66.88	9.55
			For Work In Restricted Working Space, Add	9.25	
			For 150 LB Rating, Add	3.61	
			For 200 LB Rating, Add	5.41	
23 05 23 00-0006	EA		3/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	80.30	10.51
			For Work In Restricted Working Space, Add	12.47	
			For 150 LB Rating, Add	3.88	
			For 200 LB Rating, Add	5.81	
23 05 23 00-0007	EA		1" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	97.76	11.95
			For Work In Restricted Working Space, Add	15.09	
			For 150 LB Rating, Add	4.75	
			For 200 LB Rating, Add	7.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0008 EA 1-1/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve.....	141.21	12.71
<i>For Work In Restricted Working Space, Add</i>	19.11	
<i>For 150 LB Rating, Add</i>	7.75	
<i>For 200 LB Rating, Add</i>	11.63	
23 05 23 00-0009 EA 1-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve.....	157.73	14.71
<i>For Work In Restricted Working Space, Add</i>	22.05	
<i>For 150 LB Rating, Add</i>	8.42	
<i>For 200 LB Rating, Add</i>	12.63	
23 05 23 00-0010 EA 2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve.....	188.91	17.39
<i>For Work In Restricted Working Space, Add</i>	26.06	
<i>For 150 LB Rating, Add</i>	10.20	
<i>For 200 LB Rating, Add</i>	15.31	
23 05 23 00-0011 EA 2-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve.....	413.28	23.48
<i>For Work In Restricted Working Space, Add</i>	35.18	
<i>For 150 LB Rating, Add</i>	29.60	
<i>For 200 LB Rating, Add</i>	44.40	
<i>For Chain Operated Type, Add</i>	133.20	
23 05 23 00-0012 EA 3" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve.....	484.60	27.27
<i>For Work In Restricted Working Space, Add</i>	40.60	
<i>For 150 LB Rating, Add</i>	34.93	
<i>For 200 LB Rating, Add</i>	52.39	
23 05 23 00-0013 Class 125 Brazed Or Soldered Bronze Lead Free Gate Valves <small>(23 05 23 00-0001)</small>		
<i>Note: 125 psi steam, basic rating, 200 psi cold working pressure. (Milwaukee Valve UP105, Nibco T113-LF)</i>		
23 05 23 00-0014 EA 1/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve.....	75.62	9.55
<i>For Work In Restricted Working Space, Add</i>	8.35	
<i>For 150 LB Rating, Add</i>	4.78	
<i>For 200 LB Rating, Add</i>	7.17	
23 05 23 00-0015 EA 3/8" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve.....	76.97	9.55
<i>For Work In Restricted Working Space, Add</i>	8.79	
<i>For 150 LB Rating, Add</i>	4.77	
<i>For 200 LB Rating, Add</i>	7.15	
23 05 23 00-0016 EA 1/2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve.....	88.95	9.55
<i>For Work In Restricted Working Space, Add</i>	9.25	
<i>For 150 LB Rating, Add</i>	5.81	
<i>For 200 LB Rating, Add</i>	8.72	
23 05 23 00-0017 EA 3/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve.....	102.37	10.51
<i>For Work In Restricted Working Space, Add</i>	12.47	
<i>For 150 LB Rating, Add</i>	6.08	
<i>For 200 LB Rating, Add</i>	9.12	
23 05 23 00-0018 EA 1" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve.....	122.95	11.95
<i>For Work In Restricted Working Space, Add</i>	15.09	
<i>For 150 LB Rating, Add</i>	7.27	
<i>For 200 LB Rating, Add</i>	10.90	
23 05 23 00-0019 EA 1-1/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve.....	175.65	12.71
<i>For Work In Restricted Working Space, Add</i>	19.11	
<i>For 150 LB Rating, Add</i>	11.19	
<i>For 200 LB Rating, Add</i>	16.79	
23 05 23 00-0020 EA 1-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve.....	201.05	14.71
<i>For Work In Restricted Working Space, Add</i>	22.05	
<i>For 150 LB Rating, Add</i>	12.76	
<i>For 200 LB Rating, Add</i>	19.13	
23 05 23 00-0021 EA 2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve.....	255.86	17.39
<i>For Work In Restricted Working Space, Add</i>	26.06	
<i>For 150 LB Rating, Add</i>	16.90	
<i>For 200 LB Rating, Add</i>	25.35	
23 05 23 00-0022 Class 125 Threaded, Bronze Gate Valves <small>(23 05 23 00-0001)</small>		
<i>Note: 125 psi steam, basic rating, 200 psi cold working pressure.</i>		
23 05 23 00-0023 EA 1/4" Diameter, 125 LB, Threaded Bronze Gate Valve.....	56.97	9.55
<i>For Work In Restricted Working Space, Add</i>	8.35	
<i>For 150 LB Rating, Add</i>	2.91	
<i>For 200 LB Rating, Add</i>	4.37	
<i>For 250 LB Rating, Add</i>	7.29	
<i>For 300 LB Rating, Add</i>	10.20	
23 05 23 00-0024 EA 3/8" Diameter, 125 LB, Threaded Bronze Gate Valve.....	58.43	9.55
<i>For Work In Restricted Working Space, Add</i>	8.79	
<i>For 150 LB Rating, Add</i>	2.91	
<i>For 200 LB Rating, Add</i>	4.37	
<i>For 250 LB Rating, Add</i>	7.29	
<i>For 300 LB Rating, Add</i>	10.20	
23 05 23 00-0025 EA 1/2" Diameter, 125 LB, Threaded Bronze Gate Valve.....	59.97	9.55
<i>For Work In Restricted Working Space, Add</i>	9.25	
<i>For 150 LB Rating, Add</i>	2.91	
<i>For 200 LB Rating, Add</i>	4.37	
<i>For 250 LB Rating, Add</i>	7.29	
<i>For 300 LB Rating, Add</i>	10.20	
23 05 23 00-0026 EA 3/4" Diameter, 125 LB, Threaded Bronze Gate Valve.....	76.32	10.51
<i>For Work In Restricted Working Space, Add</i>	12.47	
<i>For 150 LB Rating, Add</i>	3.48	
<i>For 200 LB Rating, Add</i>	5.22	
<i>For 250 LB Rating, Add</i>	8.69	
<i>For 300 LB Rating, Add</i>	12.17	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0027 EA 1" Diameter, 125 LB, Threaded Bronze Gate Valve <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i>	102.82 15.09 5.25 7.88 13.13 18.38	11.95
23 05 23 00-0028 EA 1-1/4" Diameter, 125 LB, Threaded Bronze Gate Valve <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i>	134.52 19.11 7.08 10.62 17.70 24.78	12.71
23 05 23 00-0029 EA 1-1/2" Diameter, 125 LB, Threaded Bronze Gate Valve <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i>	162.74 22.05 8.92 13.39 22.31 31.23	14.71
23 05 23 00-0030 EA 2" Diameter, 125 LB, Threaded Bronze Gate Valve <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i>	208.79 26.06 12.19 18.29 30.48 42.67	17.39
23 05 23 00-0031 EA 2-1/2" Diameter, 125 LB, Threaded Bronze Gate Valve <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Chain Operated Type, Add</i>	465.01 35.18 34.77 52.16 86.93 121.71 156.48	23.48
23 05 23 00-0032 EA 3" Diameter, 125 LB, Threaded Bronze Gate Valve <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Chain Operated Type, Add</i>	550.98 40.60 41.57 62.35 103.92 145.48 187.05	27.27
23 05 23 00-0033 EA 4" Diameter, 125 LB, Threaded Bronze Gate Valve <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Chain Operated Type, Add</i>	1,144.15 46.18 99.02 148.53 247.56 346.58 445.60	30.79
23 05 23 00-0034 Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valves <small>(23 05 23 00-0001)</small> Note: 125 psi steam, basic rating, 200 psi cold working pressure.		
23 05 23 00-0035 EA 1-1/2" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i>	245.61 22.05 34.42 60.24 60.24	14.71
23 05 23 00-0036 EA 2" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i>	377.69 26.06 58.16 101.79 101.79	17.39
23 05 23 00-0037 EA 2-1/2" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i>	554.67 35.18 87.48 153.09 153.09	23.48
23 05 23 00-0038 EA 3" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i>	709.21 40.60 114.78 200.86 200.86	27.27
23 05 23 00-0039 EA 4" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i>	1,698.77 46.18 308.97 540.69 540.69	30.79
23 05 23 00-0040 Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valves <small>(23 05 23 00-0001)</small> Note: 125 psi steam, basic rating, 200 psi cold working pressure.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0041 EA 1-1/2" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	289.60	100.34
<i>For Work In Restricted Working Space, Add</i>	37.72	
<i>For 150 LB Rating, Add</i>	47.52	
<i>For 250 LB Rating, Add</i>	81.94	
<i>For 300 LB Rating, ASTM A182, Add</i>	226.74	
<i>For Chain Operated Type, Add</i>	81.94	
23 05 23 00-0042 EA 2" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	330.65	127.38
<i>For Work In Restricted Working Space, Add</i>	47.78	
<i>For 150 LB Rating, Add</i>	49.70	
<i>For 250 LB Rating, Add</i>	85.70	
<i>For 300 LB Rating, ASTM A182, Add</i>	251.02	
<i>For Chain Operated Type, Add</i>	85.70	
23 05 23 00-0043 EA 2-1/2" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	365.55	127.53
<i>For Work In Restricted Working Space, Add</i>	47.98	
<i>For 150 LB Rating, Add</i>	59.63	
<i>For 250 LB Rating, Add</i>	102.82	
<i>For 300 LB Rating, ASTM A182, Add</i>	285.59	
<i>For Chain Operated Type, Add</i>	102.82	
23 05 23 00-0044 EA 3" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	444.17	149.53
<i>For Work In Restricted Working Space, Add</i>	56.14	
<i>For 150 LB Rating, Add</i>	74.54	
<i>For 250 LB Rating, Add</i>	128.52	
<i>For 300 LB Rating, ASTM A182, Add</i>	350.60	
<i>For Chain Operated Type, Add</i>	128.52	
23 05 23 00-0045 EA 4" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	656.85	250.68
<i>For Work In Restricted Working Space, Add</i>	94.24	
<i>For 150 LB Rating, Add</i>	99.39	
<i>For 250 LB Rating, Add</i>	171.36	
<i>For 300 LB Rating, ASTM A182, Add</i>	499.79	
<i>For Chain Operated Type, Add</i>	171.36	
23 05 23 00-0046 EA 5" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	780.99	268.82
<i>For Work In Restricted Working Space, Add</i>	100.65	
<i>For 150 LB Rating, Add</i>	129.19	
<i>For 250 LB Rating, Add</i>	222.75	
<i>For 300 LB Rating, ASTM A182, Add</i>	613.24	
<i>For Chain Operated Type, Add</i>	222.75	
23 05 23 00-0047 EA 6" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	922.94	298.68
<i>For Work In Restricted Working Space, Add</i>	112.41	
<i>For 150 LB Rating, Add</i>	158.99	
<i>For 250 LB Rating, Add</i>	274.12	
<i>For 300 LB Rating, ASTM A182, Add</i>	735.59	
<i>For Chain Operated Type, Add</i>	274.12	
23 05 23 00-0048 EA 8" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	1,382.27	381.66
<i>For Work In Restricted Working Space, Add</i>	142.23	
<i>For 150 LB Rating, Add</i>	263.37	
<i>For 250 LB Rating, Add</i>	454.09	
<i>For 300 LB Rating, ASTM A182, Add</i>	1,145.22	
<i>For Chain Operated Type, Add</i>	454.09	
23 05 23 00-0049 EA 10" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	1,780.16	464.63
<i>For Work In Restricted Working Space, Add</i>	174.23	
<i>For 150 LB Rating, Add</i>	347.82	
<i>For 250 LB Rating, Add</i>	599.69	
<i>For 300 LB Rating, ASTM A182, Add</i>	1,489.77	
<i>For Chain Operated Type, Add</i>	599.69	
23 05 23 00-0050 EA 12" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	2,417.47	564.19
<i>For Work In Restricted Working Space, Add</i>	211.19	
<i>For 150 LB Rating, Add</i>	496.91	
<i>For 250 LB Rating, Add</i>	856.75	
<i>For 300 LB Rating, ASTM A182, Add</i>	2,065.48	
<i>For Chain Operated Type, Add</i>	856.75	
23 05 23 00-0051 Class 125 Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valves <small>(23 05 23 00-0001)</small>		
Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0052 EA 1-1/2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	495.38	14.71
<i>For Work In Restricted Working Space, Add</i>	22.05	
<i>For 175 LB Rating, Add</i>	210.94	
<i>For 250 LB Rating, Add</i>	316.41	
23 05 23 00-0053 EA 2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	632.25	17.39
<i>For Work In Restricted Working Space, Add</i>	26.06	
<i>For 175 LB Rating, Add</i>	272.69	
<i>For 250 LB Rating, Add</i>	409.04	
23 05 23 00-0054 EA 2-1/2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	732.27	23.48
<i>For Work In Restricted Working Space, Add</i>	35.18	
<i>For 175 LB Rating, Add</i>	307.50	
<i>For 250 LB Rating, Add</i>	461.24	
23 05 23 00-0055 EA 3" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	813.90	27.27
<i>For Work In Restricted Working Space, Add</i>	40.60	
<i>For 175 LB Rating, Add</i>	339.29	
<i>For 250 LB Rating, Add</i>	508.94	
23 05 23 00-0056 EA 4" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	1,090.96	30.79
<i>For Work In Restricted Working Space, Add</i>	46.18	
<i>For 175 LB Rating, Add</i>	468.52	
<i>For 250 LB Rating, Add</i>	702.77	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 05 Common Work Results For HVAC

23 05 23 General-Duty Valves For HVAC Piping



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 23 00-0057 Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valves <small>(23 05 23 00-0001)</small>			
Note: 125 psi steam, basic rating. 200 psi cold working pressure for up to 12". 100 psi steam, basic rating. 150 psi cold working pressure for >12" to 24". 50 psi steam, basic rating. 150 psi cold working pressure for >24".			
23 05 23 00-0058	EA 1-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	361.97	100.34
	For Work In Restricted Working Space, Add	37.72	
	For 150 LB Rating, Add	35.44	
	For 175 LB Rating, Add	73.23	
	For 250 LB Rating, Add	153.56	
	For Chain Operated Type, Add	118.12	
23 05 23 00-0059	EA 2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	402.51	127.38
	For Work In Restricted Working Space, Add	47.78	
	For 150 LB Rating, Add	36.49	
	For 175 LB Rating, Add	75.41	
	For 250 LB Rating, Add	158.11	
	For Chain Operated Type, Add	121.63	
23 05 23 00-0060	EA 2-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	411.11	127.53
	For Work In Restricted Working Space, Add	47.98	
	For 150 LB Rating, Add	37.68	
	For 175 LB Rating, Add	77.87	
	For 250 LB Rating, Add	163.27	
	For Chain Operated Type, Add	125.60	
23 05 23 00-0061	EA 3" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	463.52	149.53
	For Work In Restricted Working Space, Add	56.14	
	For 150 LB Rating, Add	41.46	
	For 175 LB Rating, Add	85.68	
	For 250 LB Rating, Add	179.65	
	For Chain Operated Type, Add	138.19	
23 05 23 00-0062	EA 4" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	649.31	250.68
	For Work In Restricted Working Space, Add	94.24	
	For 150 LB Rating, Add	50.28	
	For 175 LB Rating, Add	103.91	
	For 250 LB Rating, Add	217.87	
	For Chain Operated Type, Add	167.59	
23 05 23 00-0063	EA 5" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	803.15	268.82
	For Work In Restricted Working Space, Add	100.65	
	For 150 LB Rating, Add	70.15	
	For 175 LB Rating, Add	144.97	
	For 250 LB Rating, Add	303.97	
	For Chain Operated Type, Add	233.83	
23 05 23 00-0064	EA 6" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	908.77	298.68
	For Work In Restricted Working Space, Add	112.41	
	For 150 LB Rating, Add	80.11	
	For 175 LB Rating, Add	165.56	
	For 250 LB Rating, Add	347.15	
	For Chain Operated Type, Add	267.04	
23 05 23 00-0065	EA 8" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,377.36	381.66
	For Work In Restricted Working Space, Add	142.23	
	For 150 LB Rating, Add	135.49	
	For 175 LB Rating, Add	280.01	
	For 250 LB Rating, Add	587.12	
	For Chain Operated Type, Add	451.63	
23 05 23 00-0066	EA 10" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	1,970.89	464.63
	For Work In Restricted Working Space, Add	174.23	
	For 150 LB Rating, Add	208.52	
	For 175 LB Rating, Add	430.93	
	For 250 LB Rating, Add	903.57	
	For Chain Operated Type, Add	695.06	
23 05 23 00-0067	EA 12" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	2,465.83	564.19
	For Work In Restricted Working Space, Add	211.19	
	For 150 LB Rating, Add	264.28	
	For 175 LB Rating, Add	546.17	
	For 250 LB Rating, Add	1,145.20	
	For Chain Operated Type, Add	880.93	
23 05 23 00-0068	EA 14" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	4,668.48	729.08
	For Work In Restricted Working Space, Add	273.41	
	For 150 LB Rating, Add	563.57	
	For 175 LB Rating, Add	1,164.71	
	For 250 LB Rating, Add	2,442.13	
23 05 23 00-0069	EA 16" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	5,999.84	802.00
	For Work In Restricted Working Space, Add	300.74	
	For 150 LB Rating, Add	749.60	
	For 175 LB Rating, Add	1,549.18	
	For 250 LB Rating, Add	3,248.28	
23 05 23 00-0070	EA 18" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	8,108.25	889.49
	For Work In Restricted Working Space, Add	333.56	
	For 150 LB Rating, Add	1,049.46	
	For 175 LB Rating, Add	2,168.88	
	For 250 LB Rating, Add	4,547.66	
23 05 23 00-0071	EA 20" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	10,247.10	1,002.48
	For Work In Restricted Working Space, Add	375.93	
	For 150 LB Rating, Add	1,349.10	
	For 175 LB Rating, Add	2,788.14	
	For 250 LB Rating, Add	5,846.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0072 EA 24" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 175 LB Rating, Add</i> <i>For 250 LB Rating, Add</i>	13,945.31 461.37 1,861.11 3,846.29 8,064.81	1,230.33
23 05 23 00-0073 EA 30" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 175 LB Rating, Add</i> <i>For 250 LB Rating, Add</i>	28,871.95 751.87 3,954.86 8,173.37 17,137.72	2,004.98
23 05 23 00-0074 EA 36" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 175 LB Rating, Add</i> <i>For 250 LB Rating, Add</i>	36,841.61 1,002.49 5,025.00 10,384.99 21,774.99	2,673.31
23 05 23 00-0075 EA 42" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 175 LB Rating, Add</i> <i>For 250 LB Rating, Add</i>	43,655.35 1,371.61 5,862.50 12,115.83 25,404.15	3,657.63
23 05 23 00-0076 EA 48" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 175 LB Rating, Add</i> <i>For 250 LB Rating, Add</i>	52,587.45 1,714.52 7,030.86 14,530.44 30,467.06	4,572.04
23 05 23 00-0077 EA 54" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 175 LB Rating, Add</i> <i>For 250 LB Rating, Add</i>	63,104.94 2,057.42 8,437.03 17,436.53 36,560.47	5,486.44
23 05 23 00-0078 Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valves (23 05 23 00-0001) Note: 800 psig at 850 degrees F.		
23 05 23 00-0079 EA 1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve <i>For Work In Restricted Working Space, Add</i>	148.74 8.35	9.55
23 05 23 00-0080 EA 1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve <i>For Work In Restricted Working Space, Add</i>	151.74 9.25	9.55
23 05 23 00-0081 EA 3/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve <i>For Work In Restricted Working Space, Add</i>	178.68 12.47	10.51
23 05 23 00-0082 EA 1" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve <i>For Work In Restricted Working Space, Add</i>	216.92 15.09	11.95
23 05 23 00-0083 EA 1-1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve <i>For Work In Restricted Working Space, Add</i>	332.54 19.11	12.71
23 05 23 00-0084 EA 1-1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve <i>For Work In Restricted Working Space, Add</i>	393.46 22.05	14.71
23 05 23 00-0085 EA 2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve <i>For Work In Restricted Working Space, Add</i>	495.30 26.06	17.39
23 05 23 00-0086 Ball Valves (23 05 23) See CSI section 23 23 13 00-0000 for refrigeration valves.		
23 05 23 00-0087 Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves (23 05 23 00-0086) Note: 125 LB WSP.		
23 05 23 00-0088 EA 1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.89 2.63 4.08 9.25	9.55
23 05 23 00-0089 EA 3/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	55.48 2.63 6.27 12.47	10.51
23 05 23 00-0090 EA 1" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	69.11 2.63 8.46 15.09	11.95
23 05 23 00-0091 EA 1-1/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	95.29 2.63 14.21 19.11	12.71
23 05 23 00-0092 EA 1-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	113.83 2.63 18.15 22.05	14.71

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0093 EA 2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	137.39	17.39
<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
<i>For Full Port, Add</i>	22.73	
<i>For Work In Restricted Working Space, Add</i>	26.06	
23 05 23 00-0094 EA 2-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	355.71	23.48
<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
<i>For Full Port, Add</i>	107.29	
<i>For Work In Restricted Working Space, Add</i>	35.18	
23 05 23 00-0095 EA 3" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	410.42	27.27
<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
<i>For Full Port, Add</i>	123.80	
<i>For Work In Restricted Working Space, Add</i>	40.60	
23 05 23 00-0096 EA 4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	528.98	30.79
<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
<i>For Full Port, Add</i>	168.77	
<i>For Work In Restricted Working Space, Add</i>	46.18	
23 05 23 00-0097 Screwed, 150 LB, Full Port, Carbon Steel Ball Valves (23 05 23 00-0086)		
23 05 23 00-0098 EA 1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve.....	45.17	9.55
<i>For Work In Restricted Working Space, Add</i>	8.35	
23 05 23 00-0099 EA 1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve.....	49.65	9.55
<i>For Work In Restricted Working Space, Add</i>	9.25	
23 05 23 00-0100 EA 3/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve.....	68.77	10.51
<i>For Work In Restricted Working Space, Add</i>	12.47	
23 05 23 00-0101 EA 1" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve.....	86.90	11.95
<i>For Work In Restricted Working Space, Add</i>	15.09	
23 05 23 00-0102 EA 1-1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve.....	126.27	12.71
<i>For Work In Restricted Working Space, Add</i>	19.11	
23 05 23 00-0103 EA 1-1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve.....	152.75	14.71
<i>For Work In Restricted Working Space, Add</i>	22.05	
23 05 23 00-0104 EA 2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve.....	195.99	17.39
<i>For Work In Restricted Working Space, Add</i>	26.06	
23 05 23 00-0105 Flanged, 150 LB, Full Port, Carbon Steel Ball Valves (23 05 23 00-0086)		
23 05 23 00-0106 EA 4" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve.....	937.73	250.68
<i>For Work In Restricted Working Space, Add</i>	94.24	
23 05 23 00-0107 EA 6" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve.....	1,522.84	298.68
<i>For Work In Restricted Working Space, Add</i>	112.41	
23 05 23 00-0108 EA 8" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve.....	3,176.60	381.66
<i>For Work In Restricted Working Space, Add</i>	142.23	
23 05 23 00-0109 Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valves (23 05 23 00-0086)		
23 05 23 00-0110 EA 1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	35.74	9.55
<i>For True Union Socket Or Thread Type, Add</i>	3.58	
<i>For Work In Restricted Working Space, Add</i>	9.25	
23 05 23 00-0111 EA 3/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	47.20	10.51
<i>For True Union Socket Or Thread Type, Add</i>	4.44	
<i>For Work In Restricted Working Space, Add</i>	12.47	
23 05 23 00-0112 EA 1" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	58.18	11.95
<i>For True Union Socket Or Thread Type, Add</i>	5.79	
<i>For Work In Restricted Working Space, Add</i>	15.09	
23 05 23 00-0113 EA 1-1/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	74.05	12.71
<i>For True Union Socket Or Thread Type, Add</i>	7.48	
<i>For Work In Restricted Working Space, Add</i>	19.11	
23 05 23 00-0114 EA 1-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	91.50	14.71
<i>For True Union Socket Or Thread Type, Add</i>	11.06	
<i>For Work In Restricted Working Space, Add</i>	22.05	
23 05 23 00-0115 EA 2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	109.81	17.39
<i>For True Union Socket Or Thread Type, Add</i>	13.74	
<i>For Work In Restricted Working Space, Add</i>	26.06	
23 05 23 00-0116 EA 2-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	166.63	23.48
<i>For True Union Socket Or Thread Type, Add</i>	25.90	
<i>For Work In Restricted Working Space, Add</i>	35.18	
23 05 23 00-0117 EA 3" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	219.24	27.27
<i>For True Union Socket Or Thread Type, Add</i>	40.67	
<i>For Work In Restricted Working Space, Add</i>	40.60	
23 05 23 00-0118 EA 4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	314.38	30.79
<i>For True Union Socket Or Thread Type, Add</i>	72.26	
<i>For Work In Restricted Working Space, Add</i>	46.18	
23 05 23 00-0119 Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves (23 05 23 00-0086)		
23 05 23 00-0120 EA 1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	68.99	14.33
<i>For Full Port, Add</i>	12.26	
<i>For Work In Restricted Working Space, Add</i>	12.52	
23 05 23 00-0121 EA 3/8" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	71.19	14.33
<i>For Full Port, Add</i>	12.26	
<i>For Work In Restricted Working Space, Add</i>	13.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0122 EA 1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	73.49	14.33
<i>For Full Port, Add</i>	12.26	
<i>For Work In Restricted Working Space, Add</i>	13.87	
23 05 23 00-0123 EA 3/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	91.21	15.77
<i>For Full Port, Add</i>	13.00	
<i>For Work In Restricted Working Space, Add</i>	18.70	
23 05 23 00-0124 EA 1" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	118.24	17.91
<i>For Full Port, Add</i>	19.26	
<i>For Work In Restricted Working Space, Add</i>	22.63	
23 05 23 00-0125 EA 1-1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	154.13	19.06
<i>For Full Port, Add</i>	26.36	
<i>For Work In Restricted Working Space, Add</i>	28.67	
23 05 23 00-0126 EA 1-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	188.14	22.08
<i>For Full Port, Add</i>	35.05	
<i>For Work In Restricted Working Space, Add</i>	33.08	
23 05 23 00-0127 EA 2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	257.04	26.09
<i>For Full Port, Add</i>	57.03	
<i>For Work In Restricted Working Space, Add</i>	39.09	
23 05 23 00-0128 EA 2-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	483.49	35.23
<i>For Full Port, Add</i>	138.41	
<i>For Work In Restricted Working Space, Add</i>	52.77	
23 05 23 00-0129 EA 3" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	691.40	40.90
<i>For Full Port, Add</i>	219.78	
<i>For Work In Restricted Working Space, Add</i>	60.90	
 23 05 23 00-0130 Globe Valves <small>(23 05 23)</small>		
23 05 23 00-0131 Threaded Or Sweated, 125 LB, Bronze Body, Globe Valves <small>(23 05 23 00-0130)</small>		
23 05 23 00-0132 EA 1/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	64.00	9.55
<i>For 150 LB Rating, Add</i>	10.28	
<i>For 200 LB Rating, Add</i>	12.60	
<i>For 250 LB Rating, Add</i>	14.93	
<i>For 300 LB Rating, Add</i>	18.24	
<i>For Work In Restricted Working Space, Add</i>	9.25	
23 05 23 00-0133 EA 1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	61.00	9.55
<i>For 150 LB Rating, Add</i>	10.28	
<i>For 200 LB Rating, Add</i>	12.60	
<i>For 250 LB Rating, Add</i>	14.93	
<i>For 300 LB Rating, Add</i>	18.24	
<i>For Work In Restricted Working Space, Add</i>	8.35	
23 05 23 00-0134 EA 3/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	78.80	9.55
<i>For 150 LB Rating, Add</i>	15.35	
<i>For 200 LB Rating, Add</i>	18.81	
<i>For 250 LB Rating, Add</i>	22.28	
<i>For 300 LB Rating, Add</i>	27.23	
<i>For Work In Restricted Working Space, Add</i>	8.79	
23 05 23 00-0135 EA 1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	80.34	9.55
<i>For 150 LB Rating, Add</i>	15.35	
<i>For 200 LB Rating, Add</i>	18.81	
<i>For 250 LB Rating, Add</i>	22.28	
<i>For 300 LB Rating, Add</i>	27.23	
<i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i>	66.79	
<i>For Work In Restricted Working Space, Add</i>	9.25	
23 05 23 00-0136 EA 3/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	95.22	10.04
<i>For 150 LB Rating, Add</i>	16.64	
<i>For 200 LB Rating, Add</i>	20.39	
<i>For 250 LB Rating, Add</i>	24.15	
<i>For 300 LB Rating, Add</i>	29.52	
<i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i>	75.66	
<i>For Work In Restricted Working Space, Add</i>	12.47	
23 05 23 00-0137 EA 1" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	122.84	10.04
<i>For 150 LB Rating, Add</i>	22.49	
<i>For 200 LB Rating, Add</i>	27.57	
<i>For 250 LB Rating, Add</i>	32.64	
<i>For 300 LB Rating, Add</i>	39.90	
<i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i>	99.91	
<i>For Work In Restricted Working Space, Add</i>	15.09	
23 05 23 00-0138 EA 1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	188.99	12.71
<i>For 150 LB Rating, Add</i>	38.84	
<i>For 200 LB Rating, Add</i>	47.61	
<i>For 250 LB Rating, Add</i>	56.38	
<i>For 300 LB Rating, Add</i>	68.90	
<i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i>	163.29	
<i>For Work In Restricted Working Space, Add</i>	19.11	
23 05 23 00-0139 EA 1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	252.55	14.71
<i>For 150 LB Rating, Add</i>	55.51	
<i>For 200 LB Rating, Add</i>	68.04	
<i>For 250 LB Rating, Add</i>	80.57	
<i>For 300 LB Rating, Add</i>	98.48	
<i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i>	226.36	
<i>For Work In Restricted Working Space, Add</i>	22.05	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0140 EA 2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	297.36	17.39
For 150 LB Rating, Add	65.25	
For 200 LB Rating, Add	79.99	
For 250 LB Rating, Add	94.72	
For 300 LB Rating, Add	115.77	
For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	266.29	
For Work In Restricted Working Space, Add	26.06	
23 05 23 00-0141 EA 2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	329.49	23.48
For 150 LB Rating, Add	65.79	
For 200 LB Rating, Add	80.64	
For 250 LB Rating, Add	95.49	
For 300 LB Rating, Add	116.72	
For Work In Restricted Working Space, Add	35.18	
23 05 23 00-0142 EA 3" Globe Valve, Bronze, Threaded Or Soldered, 125 LB.....	610.76	27.27
For 150 LB Rating, Add	147.39	
For 200 LB Rating, Add	180.67	
For 250 LB Rating, Add	213.95	
For 300 LB Rating, Add	261.49	
For Work In Restricted Working Space, Add	40.60	
23 05 23 00-0143 Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves (23 05 23 00- 0130)		
23 05 23 00-0144 EA 2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	456.68	17.39
For 150 LB Rating, Add	114.64	
For 200 LB Rating, Add	140.53	
For 250 LB Rating, Add	166.41	
For 300 LB Rating, Add	203.40	
For Chain Operated Type, Add	308.79	
For Work In Restricted Working Space, Add	26.06	
23 05 23 00-0145 EA 2-1/2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	565.53	23.48
For 150 LB Rating, Add	138.96	
For 200 LB Rating, Add	170.34	
For 250 LB Rating, Add	201.71	
For 300 LB Rating, Add	246.54	
For Chain Operated Type, Add	374.29	
For Work In Restricted Working Space, Add	35.18	
23 05 23 00-0146 EA 3" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	673.22	27.27
For 150 LB Rating, Add	166.75	
For 200 LB Rating, Add	204.40	
For 250 LB Rating, Add	242.06	
For 300 LB Rating, Add	295.85	
For Chain Operated Type, Add	449.15	
For Work In Restricted Working Space, Add	40.60	
23 05 23 00-0147 EA 4" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	871.08	30.79
For 150 LB Rating, Add	222.33	
For 200 LB Rating, Add	272.54	
For 250 LB Rating, Add	322.74	
For 300 LB Rating, Add	394.46	
For Chain Operated Type, Add	598.86	
For Work In Restricted Working Space, Add	46.16	
23 05 23 00-0148 Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves (23 05 23 00- 0130)		
23 05 23 00-0149 EA 2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	299.65	127.38
For 150 LB Rating, Add	43.52	
For 250 LB Rating, Add	63.18	
For Chain Operated Type, Add	70.20	
For Work In Restricted Working Space, Add	47.78	
23 05 23 00-0150 EA 2-1/2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	331.07	127.53
For 150 LB Rating, Add	53.06	
For 250 LB Rating, Add	77.02	
For Chain Operated Type, Add	85.58	
For Work In Restricted Working Space, Add	47.98	
23 05 23 00-0151 EA 3" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	392.52	149.53
For 150 LB Rating, Add	63.67	
For 250 LB Rating, Add	92.42	
For Chain Operated Type, Add	102.69	
For Work In Restricted Working Space, Add	56.14	
23 05 23 00-0152 EA 4" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	587.97	250.68
For 150 LB Rating, Add	84.89	
For 250 LB Rating, Add	123.23	
For Chain Operated Type, Add	136.92	
For Work In Restricted Working Space, Add	94.24	
23 05 23 00-0153 EA 5" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	716.30	268.82
For 150 LB Rating, Add	118.05	
For 250 LB Rating, Add	171.36	
For Chain Operated Type, Add	190.40	
For Work In Restricted Working Space, Add	100.65	
23 05 23 00-0154 EA 6" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	856.05	298.68
For 150 LB Rating, Add	149.22	
For 250 LB Rating, Add	216.61	
For Chain Operated Type, Add	240.68	
For Work In Restricted Working Space, Add	112.41	



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Common Work Results For HVAC	23 05
General-Duty Valves For HVAC Piping	23 05 23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0155 EA 8" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	1,214.31	381.66
<i>For 150 LB Rating, Add</i>	229.47	
<i>For 250 LB Rating, Add</i>	333.09	
<i>For Chain Operated Type, Add</i>	370.11	
<i>For Work In Restricted Working Space, Add</i>	142.23	
23 05 23 00-0156 EA 10" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	1,708.21	464.63
<i>For 150 LB Rating, Add</i>	349.50	
<i>For 250 LB Rating, Add</i>	507.34	
<i>For Chain Operated Type, Add</i>	563.72	
<i>For Work In Restricted Working Space, Add</i>	174.23	
23 05 23 00-0157 EA 12" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	2,837.39	564.19
<i>For 150 LB Rating, Add</i>	661.36	
<i>For 250 LB Rating, Add</i>	960.03	
<i>For Chain Operated Type, Add</i>	1,066.71	
<i>For Work In Restricted Working Space, Add</i>	211.19	
23 05 23 00-0158 Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valves (23 05 23 00-0130)		
23 05 23 00-0159 EA 1/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	55.96	9.55
<i>For 150 LB Rating, Add</i>	7.79	
<i>For 200 LB Rating, Add</i>	9.55	
<i>For 300 LB Rating, Add</i>	13.82	
<i>For Work In Restricted Working Space, Add</i>	9.25	
23 05 23 00-0160 EA 1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	52.96	9.55
<i>For 150 LB Rating, Add</i>	7.79	
<i>For 200 LB Rating, Add</i>	9.55	
<i>For 300 LB Rating, Add</i>	13.82	
<i>For Work In Restricted Working Space, Add</i>	8.35	
23 05 23 00-0161 EA 3/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	54.42	9.55
<i>For 150 LB Rating, Add</i>	7.79	
<i>For 200 LB Rating, Add</i>	9.55	
<i>For 300 LB Rating, Add</i>	13.82	
<i>For Work In Restricted Working Space, Add</i>	8.79	
23 05 23 00-0162 EA 1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	57.63	9.55
<i>For 150 LB Rating, Add</i>	8.31	
<i>For 200 LB Rating, Add</i>	10.18	
<i>For 300 LB Rating, Add</i>	14.74	
<i>For Work In Restricted Working Space, Add</i>	9.25	
23 05 23 00-0163 EA 3/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	78.72	10.04
<i>For 150 LB Rating, Add</i>	11.52	
<i>For 200 LB Rating, Add</i>	14.12	
<i>For 300 LB Rating, Add</i>	20.44	
<i>For Work In Restricted Working Space, Add</i>	12.47	
23 05 23 00-0164 EA 1" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	99.07	10.04
<i>For 150 LB Rating, Add</i>	15.12	
<i>For 200 LB Rating, Add</i>	18.53	
<i>For 300 LB Rating, Add</i>	26.82	
<i>For Work In Restricted Working Space, Add</i>	15.09	
23 05 23 00-0165 EA 1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	136.16	12.71
<i>For 150 LB Rating, Add</i>	22.46	
<i>For 200 LB Rating, Add</i>	27.53	
<i>For 300 LB Rating, Add</i>	39.85	
<i>For Work In Restricted Working Space, Add</i>	19.11	
23 05 23 00-0166 EA 1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	157.96	14.71
<i>For 150 LB Rating, Add</i>	26.18	
<i>For 200 LB Rating, Add</i>	32.09	
<i>For 300 LB Rating, Add</i>	46.45	
<i>For Work In Restricted Working Space, Add</i>	22.05	
23 05 23 00-0167 EA 2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	214.09	17.39
<i>For 150 LB Rating, Add</i>	39.44	
<i>For 200 LB Rating, Add</i>	48.34	
<i>For 300 LB Rating, Add</i>	69.97	
<i>For Work In Restricted Working Space, Add</i>	26.06	
23 05 23 00-0168 EA 2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	356.89	25.52
<i>For 150 LB Rating, Add</i>	71.14	
<i>For 200 LB Rating, Add</i>	87.20	
<i>For 300 LB Rating, Add</i>	126.21	
<i>For Work In Restricted Working Space, Add</i>	38.22	
23 05 23 00-0169 EA 3" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	535.64	29.62
<i>For 150 LB Rating, Add</i>	120.48	
<i>For 200 LB Rating, Add</i>	147.68	
<i>For 300 LB Rating, Add</i>	213.75	
<i>For Work In Restricted Working Space, Add</i>	44.10	
23 05 23 00-0170 Flanged, 125 LB, Iron Body, Angle Globe Valves (23 05 23 00-0130)		
23 05 23 00-0171 EA 2" Flanged, 125 LB, Iron Body, Angle Globe Valve	520.47	127.38
<i>For 250 LB Rating, Add</i>	216.73	
<i>For Chain Operated Type, Add</i>	140.87	
<i>For Work In Restricted Working Space, Add</i>	47.78	
23 05 23 00-0172 EA 2-1/2" Flanged, 125 LB, Iron Body, Angle Globe Valve	587.11	127.53
<i>For 250 LB Rating, Add</i>	256.31	
<i>For Chain Operated Type, Add</i>	166.60	
<i>For Work In Restricted Working Space, Add</i>	47.98	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 05 Common Work Results For HVAC

23 05 23 General-Duty Valves For HVAC Piping



Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Contains detailed pricing for various valve types and sizes.



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0218	Grooved Straight Pattern, Triple Duty Valves <small>(23 05 23 00-0186)</small>	Note: Bell & Gossett 3DS-G Series.		
	23 05 23 00-0219 EA 2" Grooved, Straight Pattern, Triple Duty Valve.....	803.99	23.61	
	23 05 23 00-0220 EA 2-1/2" Grooved, Straight Pattern, Triple Duty Valve.....	958.42	28.14	
	23 05 23 00-0221 EA 3" Grooved, Straight Pattern, Triple Duty Valve.....	1,115.50	30.52	
	23 05 23 00-0222 EA 4" Grooved, Straight Pattern, Triple Duty Valve.....	1,850.12	32.89	
	23 05 23 00-0223 EA 5" Grooved, Straight Pattern, Triple Duty Valve.....	2,143.15	42.32	
	23 05 23 00-0224 EA 6" Grooved, Straight Pattern Triple Duty Valve.....	2,857.10	54.26	
	23 05 23 00-0225 EA 8" Grooved, Straight Pattern Triple Duty Valve.....	3,885.51	68.86	
	23 05 23 00-0226 EA 10" Grooved, Straight Pattern Triple Duty Valve.....	6,129.20	77.16	
	23 05 23 00-0227 EA 12" Grooved, Straight Pattern Triple Duty Valve.....	9,729.45	94.09	
23 05 23 00-0228	Plug Valves <small>(23 05 23)</small>			
23 05 23 00-0229	Plug Valves, Lubricated, Semisteel Screwed, Wrench Operated <small>(23 05 23 00-0228)</small>	Note: Includes wrench.		
	23 05 23 00-0230 EA 1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	265.91	9.55	
	23 05 23 00-0231 EA 3/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	276.63	10.51	
	23 05 23 00-0232 EA 1" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	350.15	11.95	
	23 05 23 00-0233 EA 1-1/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	418.73	12.71	
	23 05 23 00-0234 EA 1-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	459.71	14.71	
	23 05 23 00-0235 EA 2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	542.64	17.39	
	23 05 23 00-0236 EA 2-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	815.33	23.48	
	23 05 23 00-0237 EA 3" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	998.89	27.27	
23 05 23 00-0238	Plug Valves, Lubricated, Semisteel Flanged <small>(23 05 23 00-0228)</small>	Note: Wrench operated for 4", gear operated for 6" and 10".		
	23 05 23 00-0239 EA 2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	309.18	127.38	
	23 05 23 00-0240 EA 2-1/2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	357.40	127.53	
	23 05 23 00-0241 EA 3" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	435.29	149.53	
	23 05 23 00-0242 EA 4" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	650.16	250.68	
	23 05 23 00-0243 EA 6" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	1,271.13	298.68	
	23 05 23 00-0244 EA 8" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	2,089.13	381.66	
	23 05 23 00-0245 EA 10" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	3,272.15	464.63	
	23 05 23 00-0246 EA 12" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	4,789.12	564.19	
23 05 23 00-0247	Plug Valves, Forged Steel, Screwed <small>(23 05 23 00-0228)</small>			
	23 05 23 00-0248 EA 1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,036.36	9.55	
	23 05 23 00-0249 EA 3/4" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,223.76	10.51	
	23 05 23 00-0250 EA 1" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,383.01	11.95	
	23 05 23 00-0251 EA 1-1/4" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,658.89	12.71	
	23 05 23 00-0252 EA 1-1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,931.88	14.71	
	23 05 23 00-0253 EA 2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	2,542.90	17.39	
23 05 23 00-0254	Plug Valves, Eccentric, Cast Iron Flanged <small>(23 05 23 00-0228)</small>			
	23 05 23 00-0255 EA 4" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	748.47	250.68	
	23 05 23 00-0256 EA 6" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	1,119.49	298.68	
	23 05 23 00-0257 EA 8" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	1,512.26	381.66	
	23 05 23 00-0258 EA 10" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	2,117.36	464.63	
	23 05 23 00-0259 EA 12" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	2,720.47	564.19	
23 05 23 00-0260	Foot Valves <small>(23 05 23)</small>			
23 05 23 00-0261	Single Poppet Foot Valves, Metal To Metal Seat Construction <small>(23 05 23 00-0260)</small>			
	23 05 23 00-0262 EA 1" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	81.08	23.16	
	23 05 23 00-0263 EA 1-1/4" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	92.43	25.93	
	23 05 23 00-0264 EA 1-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	119.90	29.64	
	23 05 23 00-0265 EA 2" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	159.48	33.34	
	23 05 23 00-0266 EA 2-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	370.93	54.64	
	23 05 23 00-0267 EA 3" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	475.48	66.68	
23 05 23 00-0268	Double Poppet Foot Valves, Metal To Metal Seat Construction <small>(23 05 23 00-0260)</small>			
	23 05 23 00-0269 EA 1" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	81.08	23.16	
	23 05 23 00-0270 EA 1-1/4" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	181.81	25.93	
	23 05 23 00-0271 EA 1-1/2" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	171.46	29.64	
	23 05 23 00-0272 EA 2" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	235.08	33.34	
	23 05 23 00-0273 EA 3" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	464.66	54.64	
	23 05 23 00-0274 EA 4" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	634.51	65.75	
23 05 23 00-0275	Float Valves <small>(23 05 23)</small>			
23 05 23 00-0276	Float Valve Assembly For Maintaining Liquid Level In Tanks <small>(23 05 23 00-0275)</small>			

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0277	Single Seat, Bronze Construction <small>(23 05 23 00-0276)</small>	
Note: For storage tanks, reservoirs, cooling towers and filtration plants.		
23 05 23 00-0278 EA Inlet Size 1/2", Maximum PSI 100, Single Seat Float Valve.....	201.72	20.07
23 05 23 00-0279 EA Inlet Size 3/4", Maximum PSI 100, Single Seat Float Valve.....	230.98	23.89
23 05 23 00-0280 EA Inlet Size 1", Maximum PSI 100, Single Seat Float Valve.....	301.28	25.80
23 05 23 00-0281 EA Inlet Size 1-1/4", Maximum PSI 90, Single Seat Float Valve	505.53	32.49
23 05 23 00-0282 EA Inlet Size 1-1/2", Maximum PSI 90, Single Seat Float Valve	515.08	37.26
23 05 23 00-0283	Double Seat, Bronze Construction <small>(23 05 23 00-0276)</small>	
Note: For hot or cold water or oil to open tanks.		
23 05 23 00-0284 EA Pipe Size 1/2" Maximum PSI 150, Double Seat Float Valve.....	1,106.43	20.07
23 05 23 00-0285 EA Pipe Size 3/4" Maximum PSI 150, Double Seat Float Valve.....	1,114.07	23.89
23 05 23 00-0286 EA Pipe Size 1" Maximum PSI 150, Double Seat Float Valve.....	1,286.59	25.80
23 05 23 00-0287 EA Pipe Size 1-1/4" Maximum PSI 150, Double Seat Float Valve.....	1,421.14	32.49
23 05 23 00-0288 EA Pipe Size 1-1/2" Maximum PSI 150, Double Seat Float Valve.....	1,624.56	37.26
23 05 23 00-0289 EA Pipe Size 2" Maximum PSI 150, Double Seat Float Valve.....	2,132.31	43.95
23 05 23 00-0290 EA Pipe Size 2-1/2" Maximum PSI 150, Double Seat Float Valve.....	2,477.38	58.93
23 05 23 00-0291 EA Pipe Size 3" Maximum PSI 150, Double Seat Float Valve.....	2,980.53	67.73
23 05 23 00-0292	Float Valve Single Seated Balanced For Air Oil Or Water <small>(23 05 23 00-0275)</small>	
Note: Includes arm, ball and bracket.		
23 05 23 00-0293	Brass Body Threaded Ends <small>(23 05 23 00-0292)</small>	
23 05 23 00-0294 EA 1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	208.97	25.90
23 05 23 00-0295 EA 3/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	236.40	28.77
23 05 23 00-0296 EA 1" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	294.14	31.82
23 05 23 00-0297 EA 1-1/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	469.95	51.42
23 05 23 00-0298 EA 1-1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	490.58	58.58
23 05 23 00-0299 EA 2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	550.11	72.63
23 05 23 00-0300	Cast Iron Body Flanged <small>(23 05 23 00-0292)</small>	
23 05 23 00-0301 EA 2-1/2" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket.....	6,974.04	127.53
23 05 23 00-0302 EA 3" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket.....	8,433.52	149.53
23 05 23 00-0303	Float Operated Valves <small>(23 05 23 00-0275)</small>	
23 05 23 00-0304	For Condensate Receivers Tanks And Vessels <small>(23 05 23 00-0303)</small>	
Note: Cast iron body, self-contained, float in-line mount.		
23 05 23 00-0305 EA 1" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket.....	768.11	44.91
23 05 23 00-0306	For Condensate Receivers Tanks And Vessels <small>(23 05 23 00-0303)</small>	
Note: Cast iron body, external float tank mount, flanged.		
23 05 23 00-0307 EA 3/4" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket.....	959.99	83.56
23 05 23 00-0308	Needle Valves <small>(23 05 23)</small>	
23 05 23 00-0309	Bronze Needle Valve <small>(23 05 23 00-0308)</small>	
Note: For heating and cooling applications.		
23 05 23 00-0310 EA 1/4" Needle Valve, Bronze.....	104.22	9.55
23 05 23 00-0311 EA 3/8" Needle Valve, Bronze.....	116.44	9.55
23 05 23 00-0312 EA 1/2" Needle Valve, Bronze.....	127.52	9.55
23 05 23 00-0313 EA 3/4" Needle Valve, Bronze.....	194.27	10.51
23 05 23 00-0314 EA 1" Needle Valve, Bronze.....	299.43	11.95
23 05 23 00-0315	Eccentric Valves With Taps <small>(23 05 23)</small>	
23 05 23 00-0316	Screwed Eccentric Valves With Taps <small>(23 05 23 00-0315)</small>	
23 05 23 00-0317 EA 1/2" Diameter Eccentric Valves With Taps, Screwed.....	148.88	9.55
23 05 23 00-0318 EA 3/4" Diameter Eccentric Valves With Taps, Screwed.....	161.41	10.51
23 05 23 00-0319 EA 1" Diameter Eccentric Valves With Taps, Screwed.....	202.85	11.95
23 05 23 00-0320 EA 1-1/4" Diameter Eccentric Valves With Taps, Screwed	247.13	12.71
23 05 23 00-0321 EA 1-1/2" Diameter Eccentric Valves With Taps, Screwed	271.45	14.71
23 05 23 00-0322 EA 2" Diameter Eccentric Valves With Taps, Screwed.....	319.33	17.39
23 05 23 00-0323 EA 2-1/2" Diameter Eccentric Valves With Taps, Screwed	476.86	23.48
23 05 23 00-0324 EA 3" Diameter Eccentric Valves With Taps, Screwed.....	576.63	27.27
23 05 23 00-0325	Flanged Eccentric Valves With Taps <small>(23 05 23 00-0315)</small>	
23 05 23 00-0326 EA 2-1/2" Diameter Eccentric Valves With Taps, Flanged	586.70	127.53
23 05 23 00-0327 EA 3" Diameter Eccentric Valves With Taps, Flanged.....	695.64	149.53
23 05 23 00-0328 EA 4" Diameter Eccentric Valves With Taps, Flanged.....	958.84	250.68
23 05 23 00-0329 EA 5" Diameter Eccentric Valves With Taps, Flanged.....	1,243.54	268.82
23 05 23 00-0330 EA 6" Diameter Eccentric Valves With Taps, Flanged.....	1,555.15	298.68
23 05 23 00-0331 EA 8" Diameter Eccentric Valves With Taps, Flanged.....	2,607.99	381.66



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0332 EA 10" Diameter Eccentric Valves With Taps, Flanged.....	3,622.71	464.63
23 05 23 00-0333 EA 12" Diameter Eccentric Valves With Taps, Flanged.....	6,106.82	564.19
23 05 23 00-0334 Check Valves (23 05 23)		
23 05 23 00-0335 Iron Body Wafer Type Check Valve (23 05 23 00-0334)		
23 05 23 00-0336 Single Disk Type (23 05 23 00-0335)		
23 05 23 00-0337 EA 2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	273.94	123.44
<i>For 150 LB Rating, Add</i>	25.11	
<i>For 200 LB Rating, Add</i>	29.90	
<i>For 300 LB Rating, Add</i>	35.88	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	84.69	
23 05 23 00-0338 EA 2-1/2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	311.70	123.62
<i>For 150 LB Rating, Add</i>	32.90	
<i>For 200 LB Rating, Add</i>	39.17	
<i>For 300 LB Rating, Add</i>	47.01	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	101.51	
23 05 23 00-0339 EA 3" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	379.46	144.93
<i>For 150 LB Rating, Add</i>	41.59	
<i>For 200 LB Rating, Add</i>	49.52	
<i>For 300 LB Rating, Add</i>	59.42	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	125.41	
23 05 23 00-0340 EA 4" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	572.72	242.97
<i>For 150 LB Rating, Add</i>	56.33	
<i>For 200 LB Rating, Add</i>	67.06	
<i>For 300 LB Rating, Add</i>	80.48	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	181.61	
23 05 23 00-0341 EA 6" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	846.45	341.01
<i>For 150 LB Rating, Add</i>	88.24	
<i>For 200 LB Rating, Add</i>	105.05	
<i>For 300 LB Rating, Add</i>	126.05	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	274.34	
23 05 23 00-0342 EA 8" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	1,133.25	392.17
<i>For 150 LB Rating, Add</i>	135.41	
<i>For 200 LB Rating, Add</i>	161.20	
<i>For 300 LB Rating, Add</i>	193.44	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	387.85	
23 05 23 00-0343 EA 10" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	1,631.03	477.42
<i>For 150 LB Rating, Add</i>	216.28	
<i>For 200 LB Rating, Add</i>	257.47	
<i>For 300 LB Rating, Add</i>	308.97	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	583.68	
23 05 23 00-0344 Twin Disc Type (23 05 23 00-0335)		
23 05 23 00-0345 EA 2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	288.64	123.44
<i>For 150 LB Rating, Add</i>	28.20	
<i>For 200 LB Rating, Add</i>	33.57	
<i>For 300 LB Rating, Add</i>	40.29	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	91.30	
23 05 23 00-0346 EA 2-1/2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	316.18	123.62
<i>For 150 LB Rating, Add</i>	33.85	
<i>For 200 LB Rating, Add</i>	40.29	
<i>For 300 LB Rating, Add</i>	48.35	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	103.53	
23 05 23 00-0347 EA 3" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	369.45	144.93
<i>For 150 LB Rating, Add</i>	39.49	
<i>For 200 LB Rating, Add</i>	47.01	
<i>For 300 LB Rating, Add</i>	56.42	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	120.90	
23 05 23 00-0348 EA 4" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	543.27	242.97
<i>For 150 LB Rating, Add</i>	50.15	
<i>For 200 LB Rating, Add</i>	59.70	
<i>For 300 LB Rating, Add</i>	71.64	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	168.35	
23 05 23 00-0349 EA 6" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	811.35	341.01
<i>For 150 LB Rating, Add</i>	80.87	
<i>For 200 LB Rating, Add</i>	96.27	
<i>For 300 LB Rating, Add</i>	115.52	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	258.54	
23 05 23 00-0350 EA 8" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	1,075.25	392.17
<i>For 150 LB Rating, Add</i>	123.50	
<i>For 200 LB Rating, Add</i>	147.02	
<i>For 300 LB Rating, Add</i>	176.42	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	362.07	
23 05 23 00-0351 EA 10" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	1,528.37	42.63
<i>For 150 LB Rating, Add</i>	195.58	
<i>For 200 LB Rating, Add</i>	232.84	
<i>For 300 LB Rating, Add</i>	279.41	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	538.51	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0352 EA 12" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	1,970.29	579.73
For 150 LB Rating, Add	262.04	
For 200 LB Rating, Add	311.95	
For 300 LB Rating, Add	374.34	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	706.01	
23 05 23 00-0353 EA 14" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	3,440.22	677.14
For 150 LB Rating, Add	532.85	
For 200 LB Rating, Add	634.34	
For 300 LB Rating, Add	761.21	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	1,322.38	
23 05 23 00-0354 EA 16" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	4,575.30	794.52
For 150 LB Rating, Add	752.25	
For 200 LB Rating, Add	895.54	
For 300 LB Rating, Add	1,074.65	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	1,810.60	
23 05 23 00-0355 EA 18" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	5,967.14	884.80
For 150 LB Rating, Add	1,021.37	
For 200 LB Rating, Add	1,215.91	
For 300 LB Rating, Add	1,459.10	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	2,409.34	
23 05 23 00-0356 EA 20" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	7,057.76	993.14
For 150 LB Rating, Add	1,221.43	
For 200 LB Rating, Add	1,454.08	
For 300 LB Rating, Add	1,744.90	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	2,865.63	
23 05 23 00-0357 EA 24" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	9,170.36	1,218.86
For 150 LB Rating, Add	1,604.91	
For 200 LB Rating, Add	1,910.61	
For 300 LB Rating, Add	2,292.74	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	3,744.68	
23 05 23 00-0358 Lift Check Valves (23 05 23 00-0334)		
23 05 23 00-0359 Bronze Body, Threaded, Vertical Lift Check Valves (23 05 23 00-0358)		
Note: Watts #600 series.		
23 05 23 00-0360 EA 3/8" Lift Check Valve, Bronze, Threaded.....	107.15	9.55
23 05 23 00-0361 EA 1/2" Lift Check Valve, Bronze, Threaded.....	113.40	9.55
23 05 23 00-0362 EA 3/4" Lift Check Valve, Bronze, Threaded.....	144.39	10.04
23 05 23 00-0363 EA 1" Lift Check Valve, Bronze, Threaded.....	190.65	10.04
23 05 23 00-0364 EA 1-1/4" Lift Check Valve, Bronze, Threaded.....	264.88	12.71
23 05 23 00-0365 EA 1-1/2" Lift Check Valve, Bronze, Threaded.....	322.59	14.71
23 05 23 00-0366 EA 2" Lift Check Valve, Bronze, Threaded.....	461.39	17.39
23 05 23 00-0367 Bronze Body, Threaded, 300 LB, Lift Check Valves (23 05 23 00-0358)		
Note: Crane 366E.		
23 05 23 00-0368 EA 1/2" Lift Check Valve, Bronze, Threaded, 300 LB.....	677.55	9.55
23 05 23 00-0369 EA 3/4" Lift Check Valve, Bronze, Threaded, 300 LB.....	822.63	10.04
23 05 23 00-0370 EA 1" Lift Check Valve, Bronze, Threaded, 300 LB.....	1,478.13	10.04
23 05 23 00-0371 EA 1-1/4" Lift Check Valve, Bronze, Threaded, 300 LB.....	1,970.28	12.71
23 05 23 00-0372 EA 1-1/2" Lift Check Valve, Bronze, Threaded, 300 LB.....	2,139.67	14.71
23 05 23 00-0373 EA 2" Lift Check Valve, Bronze, Threaded, 300 LB.....	2,749.31	17.39
23 05 23 00-0374 Iron Body, Flanged, 125 LB Vertical Lift Check Valves (23 05 23 00-0358)		
Note: Mueller 105MAP.		
23 05 23 00-0375 EA 2" Lift Check Valve, Iron Body, Flanged, 125 LB.....	979.07	127.38
23 05 23 00-0376 EA 2-1/2" Lift Check Valve, Iron Body, Flanged, 125 LB.....	678.71	127.53
23 05 23 00-0377 EA 3" Lift Check Valve, Iron Body, Flanged, 125 LB.....	746.52	149.53
23 05 23 00-0378 EA 4" Lift Check Valve, Iron Body, Flanged, 125 LB.....	1,065.85	250.68
23 05 23 00-0379 EA 5" Lift Check Valve, Iron Body, Flanged, 125 LB.....	1,302.51	268.82
23 05 23 00-0380 EA 6" Lift Check Valve, Iron Body, Flanged, 125 LB.....	1,586.10	298.68
23 05 23 00-0381 EA 8" Lift Check Valve, Iron Body, Flanged, 125 LB.....	2,691.33	381.66
23 05 23 00-0382 EA 10" Lift Check Valve, Iron Body, Flanged, 125 LB.....	3,372.39	464.63
23 05 23 00-0383 EA 12" Lift Check Valve, Iron Body, Flanged, 125 LB.....	5,348.43	564.19
23 05 23 00-0384 EA 14" Lift Check Valve, Iron Body, Flanged, 125 LB.....	7,239.23	729.08
23 05 23 00-0385 EA 16" Lift Check Valve, Iron Body, Flanged, 125 LB.....	8,018.56	802.00
23 05 23 00-0386 Bronze Body Swing Check Valves (23 05 23 00-0334)		
23 05 23 00-0387 Bronze Body, Threaded, Brazed Or Soldered Installation, 125 LB, Swing Check Valves (23 05 23 00-0386)		
23 05 23 00-0388 EA 1/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	71.71	9.55
For 300 LB Rating, Add	15.94	
For Work In Restricted Working Space, Add	9.25	
23 05 23 00-0389 EA 1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	68.71	9.55
For 300 LB Rating, Add	15.94	
For Work In Restricted Working Space, Add	8.35	
23 05 23 00-0390 EA 3/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	70.17	9.55
For 300 LB Rating, Add	15.94	
For Work In Restricted Working Space, Add	8.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0391 EA 1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	73.30 16.56 9.25	9.55
23 05 23 00-0392 EA 3/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	93.01 20.07 12.47	10.04
23 05 23 00-0393 EA 1" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	120.18 27.25 15.09	10.04
23 05 23 00-0394 EA 1-1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	161.80 38.26 19.11	12.71
23 05 23 00-0395 EA 1-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	210.87 53.57 22.05	14.71
23 05 23 00-0396 EA 2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	263.49 68.88 26.06	17.39
23 05 23 00-0397 EA 2-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	523.28 158.34 35.18	23.48
23 05 23 00-0398 EA 3" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	712.76 225.20 40.60	27.27
23 05 23 00-0399 EA 4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	807.36 254.84 46.18	30.79
23 05 23 00-0400 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <small>(23 05 23 00-0394)</small>		
23 05 23 00-0401 EA 1" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	238.05 100.57 192.27 27.05	71.67
23 05 23 00-0402 EA 1-1/4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	266.82 110.81 211.84 31.16	83.61
23 05 23 00-0403 EA 1-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	302.46 120.18 229.75 37.72	100.34
23 05 23 00-0404 EA 2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	378.76 149.26 285.35 47.78	127.38
23 05 23 00-0405 EA 2-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	416.09 174.20 333.02 47.98	127.53
23 05 23 00-0406 EA 3" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	465.52 189.30 361.89 56.14	149.53
23 05 23 00-0407 EA 4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	744.35 292.55 559.29 94.24	250.68
23 05 23 00-0408 EA 5" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	967.15 429.52 821.15 100.65	268.82
23 05 23 00-0409 EA 6" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,107.07 498.01 952.08 112.41	298.68
23 05 23 00-0410 EA 8" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,302.55 1,243.35 2,376.99 142.23	381.66
23 05 23 00-0411 EA 10" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,069.69 1,692.46 3,235.58 174.23	464.63
23 05 23 00-0412 EA 12" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,585.32 2,639.31 5,045.74 211.19	564.19
23 05 23 00-0413 EA 14" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,305.55 2,988.06 5,712.46 273.41	729.08
23 05 23 00-0414 EA 16" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	7,402.61 4,352.09 8,320.17 300.74	802.00

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0415 EA 18" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	11,171.05	889.49
For 150 LB Rating, Add	6,840.26	
For 250 LB Rating, Add	13,076.96	
For Work In Restricted Working Space, Add	333.56	
23 05 23 00-0416 EA 20" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	15,253.83	1,002.48
For 150 LB Rating, Add	9,520.49	
For 250 LB Rating, Add	18,200.94	
For Work In Restricted Working Space, Add	375.93	
23 05 23 00-0417 EA 24" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	21,138.05	1,230.33
For 150 LB Rating, Add	13,328.10	
For 250 LB Rating, Add	25,480.18	
For Work In Restricted Working Space, Add	461.37	
23 05 23 00-0418 Class 800 Forged Steel, Screwed, Chrome Trim, Bolted Bonnet, Piston Check, Swing Check Valves (23 05 23 00-0334)		
Note: 800 PSIG at 850 Degrees F.		
23 05 23 00-0419 EA 1/2" Class 800, Threaded, Forged Steel Swing Check Valve	172.38	9.55
For Work In Restricted Working Space, Add	9.25	
23 05 23 00-0420 EA 3/4" 800, Threaded, Forged Steel Swing Check Valve	202.27	10.51
For Work In Restricted Working Space, Add	12.47	
23 05 23 00-0421 EA 1" Class 800, Threaded, Forged Steel Swing Check Valve	239.04	11.95
For Work In Restricted Working Space, Add	15.09	
23 05 23 00-0422 EA 1-1/4" Class 800, Threaded, Forged Steel Swing Check Valve	372.37	12.71
For Work In Restricted Working Space, Add	19.11	
23 05 23 00-0423 EA 1-1/2" 800, Threaded, Forged Steel Swing Check Valve	442.12	14.71
For Work In Restricted Working Space, Add	22.05	
23 05 23 00-0424 EA 2" Class 800, Threaded, Forged Steel Swing Check Valve	599.99	17.39
For Work In Restricted Working Space, Add	26.06	
23 05 23 00-0425 Swing Check Valves, 150 LB Polyvinyl Chloride (PVC) Socket Weld End Connections (23 05 23 00-0334)		
23 05 23 00-0426 EA 1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	50.93	9.55
For Work In Restricted Working Space, Add	9.25	
23 05 23 00-0427 EA 3/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	61.65	10.51
For Work In Restricted Working Space, Add	12.47	
23 05 23 00-0428 EA 1" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	71.19	11.95
For Work In Restricted Working Space, Add	15.09	
23 05 23 00-0429 EA 1-1/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	85.46	12.71
For Work In Restricted Working Space, Add	19.11	
23 05 23 00-0430 EA 1-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	96.51	14.71
For Work In Restricted Working Space, Add	22.05	
23 05 23 00-0431 EA 2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	122.64	17.39
For Work In Restricted Working Space, Add	26.06	
23 05 23 00-0432 EA 2-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	168.21	23.48
For Work In Restricted Working Space, Add	35.18	
23 05 23 00-0433 EA 3" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	201.41	27.27
For Work In Restricted Working Space, Add	40.60	
23 05 23 00-0434 Diaphragm Valves (23 05 23)		
23 05 23 00-0435 Polytetrafluoroethylene (PTFE) Or Viton Lined, Threaded Cast Iron Diaphragm Valves (23 05 23 00-0434)		
23 05 23 00-0436 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	253.63	28.59
23 05 23 00-0437 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	327.07	31.66
23 05 23 00-0438 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	352.78	39.14
23 05 23 00-0439 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	561.40	58.49
23 05 23 00-0440 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	913.28	70.36
23 05 23 00-0441 Polytetrafluoroethylene (PTFE) Or Viton Lined, Flanged Cast Iron Diaphragm Valves (23 05 23 00-0434)		
23 05 23 00-0442 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	170.05	45.86
23 05 23 00-0443 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	195.68	47.77
23 05 23 00-0444 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	236.35	71.67
23 05 23 00-0445 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	353.15	100.34
23 05 23 00-0446 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	544.49	127.38
23 05 23 00-0447 EA 2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	676.86	127.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0448 EA 3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	835.76	149.53
23 05 23 00-0449 EA 4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	1,204.53	250.68
23 05 23 00-0450 EA 6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	2,369.52	298.68
23 05 23 00-0451 EA 8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	3,637.40	381.66
23 05 23 00-0452 Ethylene Propylene Diene Monomer (EPDM) Lined, Threaded Cast Iron Diaphragm Valves (23 05 23 00-0434)		
23 05 23 00-0453 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	151.34	28.59
23 05 23 00-0454 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	200.54	31.66
23 05 23 00-0455 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	226.26	39.14
23 05 23 00-0456 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	389.10	58.49
23 05 23 00-0457 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	512.16	70.36
23 05 23 00-0458 Ethylene Propylene Diene Monomer (EPDM) Lined, Flanged Cast Iron Diaphragm Valves (23 05 23 00-0434)		
23 05 23 00-0459 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	121.16	45.86
23 05 23 00-0460 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	141.15	47.77
23 05 23 00-0461 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	181.82	71.67
23 05 23 00-0462 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	278.89	100.34
23 05 23 00-0463 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	371.60	127.38
23 05 23 00-0464 EA 2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	436.76	127.53
23 05 23 00-0465 EA 3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	528.28	149.53
23 05 23 00-0466 EA 4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	842.08	250.68
23 05 23 00-0467 EA 6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	1,557.50	298.68
23 05 23 00-0468 EA 8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	2,349.46	381.66
23 05 23 00-0469 125 LB, Hand Wheel Operated, Flanged Cast Iron Diaphragm Valves (23 05 23 00-0434)		
23 05 23 00-0470 EA 1" Diaphragm Valve, Cast Iron, 125 LB, Flanged	219.93	71.67
23 05 23 00-0471 EA 1-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged	347.11	100.34
23 05 23 00-0472 EA 2" Diaphragm Valve, Cast Iron, 125 LB, Flanged	462.70	127.38
23 05 23 00-0473 EA 2-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged	633.21	127.53
23 05 23 00-0474 EA 3" Diaphragm Valve, Cast Iron, 125 LB, Flanged	704.32	149.53
23 05 23 00-0475 EA 4" Diaphragm Valve, Cast Iron, 125 LB, Flanged	1,113.76	250.68
23 05 23 00-0476 EA 6" Diaphragm Valve, Cast Iron, 125 LB, Flanged	2,111.36	298.68
23 05 23 00-0477 EA 8" Diaphragm Valve, Cast Iron, 125 LB, Flanged	4,256.56	381.66
23 05 23 00-0478 Solenoid Valves (23 05 23)		
23 05 23 00-0479 Bronze Body Solenoid Valves, 150 PSI Maximum Water Pressure (23 05 23 00-0478)		
23 05 23 00-0480 EA 1/4" Solenoid Valve, Bronze, 150 PSI, Water	92.20	9.55
23 05 23 00-0481 EA 1/2" Solenoid Valve, Bronze, 150 PSI, Water	106.72	9.55
23 05 23 00-0482 EA 3/4" Solenoid Valve, Bronze, 150 PSI, Water	136.99	10.51
23 05 23 00-0483 EA 1" Solenoid Valve, Bronze, 150 PSI, Water	199.79	11.95
23 05 23 00-0484 EA 1-1/2" Solenoid Valve, Bronze, 150 PSI, Water	349.48	14.71
23 05 23 00-0485 EA 2" Solenoid Valve, Bronze, 150 PSI, Water	541.88	17.39
23 05 23 00-0486 EA 2-1/2" Solenoid Valve, Bronze, 150 PSI, Water	737.83	23.48
23 05 23 00-0487 EA 3" Solenoid Valve, Bronze, 150 PSI, Water	1,063.76	27.27
23 05 23 00-0488 Flow Control Valves And Meters (23 05 23)		
23 05 23 00-0489 Conditioned Water Balancing Valves (23 05 23 00-0488)		
Note: Working pressures up to 300 PSIG. Iron and bronze body construction (combination balancing, flow measuring and shut-off). Excludes portable read-out meter.		
23 05 23 00-0490 EA 1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	121.12	47.23
23 05 23 00-0491 EA 3/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	146.53	62.97
23 05 23 00-0492 EA 1" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	296.61	71.96
23 05 23 00-0493 EA 1-1/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	390.08	88.91
23 05 23 00-0494 EA 1-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	455.05	94.46

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0495	EA		2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	621.85	107.98
23 05 23 00-0496	EA		2-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,184.46	187.90
23 05 23 00-0497	EA		3" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,678.42	214.75
23 05 23 00-0498	EA		3" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,025.44	144.93
23 05 23 00-0499	EA		4" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,290.17	242.97
23 05 23 00-0500	EA		6" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,516.10	306.91
23 05 23 00-0501	EA		8" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	2,523.46	392.17
23 05 23 00-0502	EA		10" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	4,188.29	477.42
23 05 23 00-0503			Read Out Meters <small>(23 05 23 00-0488)</small>		
			Note: For use with conditioned portable water balancing valves.		
23 05 23 00-0504	EA		0.5 - 25% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	845.55	
23 05 23 00-0505	EA		0.5 - 50% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,144.28	
23 05 23 00-0506	EA		0.5 - 75% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,144.28	
23 05 23 00-0507	EA		0.5 - 100% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,144.28	
23 05 23 00-0508			Balancing Valves <small>(23 05 23)</small>		
23 05 23 00-0509			Balancing Valves With Lever <small>(23 05 23 00-0508)</small>		
			Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0510	EA		1/2" Threaded Balancing Valve With Lever.....	154.66	29.17
23 05 23 00-0511	EA		3/4" Threaded Balancing Valve With Lever.....	176.43	38.43
23 05 23 00-0512	EA		1" Threaded Balancing Valve With Lever.....	189.90	43.99
23 05 23 00-0513	EA		1-1/4" Threaded Balancing Valve With Lever	219.33	54.64
23 05 23 00-0514	EA		1-1/2" Threaded Balancing Valve With Lever	234.87	57.88
23 05 23 00-0515	EA		2" Threaded Balancing Valve With Lever.....	261.34	66.22
23 05 23 00-0516	EA		2-1/2" Flanged Balancing Valve With Lever.....	405.64	123.62
23 05 23 00-0517	EA		3" Flanged Balancing Valve With Lever	464.29	144.93
23 05 23 00-0518	EA		4" Flanged Balancing Valve With Lever	715.15	242.97
23 05 23 00-0519	EA		5" Flanged Balancing Valve With Lever	1,038.32	276.22
23 05 23 00-0520	EA		6" Flanged Balancing Valve With Lever	1,078.58	306.91
23 05 23 00-0521	EA		8" Flanged Balancing Valve With Lever	1,449.98	392.17
23 05 23 00-0522			Balancing Valves With Nut <small>(23 05 23 00-0508)</small>		
			Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0523	EA		4" Flanged Balancing Valve With Nut	682.90	242.97
23 05 23 00-0524	EA		5" Flanged Balancing Valve With Nut	997.38	276.22
23 05 23 00-0525	EA		6" Flanged Balancing Valve With Nut	1,037.64	306.91
23 05 23 00-0526	EA		8" Flanged Balancing Valve With Nut	1,392.91	392.17
23 05 23 00-0527			Balancing Valves With Hand Wheel <small>(23 05 23 00-0508)</small>		
			Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0528	EA		4" Flanged Balancing Valve With Hand Wheel	924.84	242.97
23 05 23 00-0529	EA		5" Flanged Balancing Valve With Hand Wheel	1,251.73	276.22
23 05 23 00-0530	EA		6" Flanged Balancing Valve With Hand Wheel	1,291.99	306.91
23 05 23 00-0531	EA		8" Flanged Balancing Valve With Hand Wheel	1,670.84	392.17
23 05 23 00-0532	EA		10" Flanged Balancing Valve With Hand Wheel	2,450.44	477.42
23 05 23 00-0533	EA		12" Flanged Balancing Valve With Hand Wheel	3,192.97	383.09
23 05 23 00-0534	EA		14" Flanged Balancing Valve With Hand Wheel	4,282.64	722.29
23 05 23 00-0535			Balancing Valves With Chain Wheel <small>(23 05 23 00-0508)</small>		
			Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0536	EA		4" Flanged Balancing Valve With Chain Wheel	1,056.36	242.97
23 05 23 00-0537	EA		5" Flanged Balancing Valve With Chain Wheel	1,384.49	276.22
23 05 23 00-0538	EA		6" Flanged Balancing Valve With Chain Wheel	1,424.75	306.91
23 05 23 00-0539	EA		8" Flanged Balancing Valve With Chain Wheel	1,802.35	392.17
23 05 23 00-0540	EA		10" Flanged Balancing Valve With Chain Wheel	2,583.19	477.42
23 05 23 00-0541	EA		12" Flanged Balancing Valve With Chain Wheel	3,355.73	382.81
23 05 23 00-0542	EA		14" Flanged Balancing Valve With Chain Wheel	4,443.93	722.29
23 05 23 00-0543			Calibrated Balancing Valves <small>(23 05 23 00-0508)</small>		
			Note: Bell & Gossett CB Series.		
23 05 23 00-0544	EA		1/2" Brazed Or Soldered Calibrated Balancing Valve (CB-1/2S)	85.82	9.26
23 05 23 00-0545	EA		3/4" Brazed Or Soldered Calibrated Balancing Valve (CB-3/4S)	101.79	10.18
23 05 23 00-0546	EA		1" Brazed Or Soldered Calibrated Balancing Valve (CB-1S)	124.25	11.57
23 05 23 00-0547	EA		1-1/4" Brazed Or Soldered Calibrated Balancing Valve (CB-1-1/4S).....	166.62	12.32
23 05 23 00-0548	EA		1" Threaded Calibrated Balancing Valve (CB-1).....	131.94	11.57
23 05 23 00-0549	EA		1-1/4" Threaded Calibrated Balancing Valve (CB-1-1/4)	179.90	12.32
23 05 23 00-0550	EA		1-1/2" Threaded Calibrated Balancing Valve (CB-1-1/2)	208.98	14.26
23 05 23 00-0551	EA		2" Threaded Calibrated Balancing Valve (CB-2)	279.96	16.86
23 05 23 00-0552	EA		2-1/2" Threaded Calibrated Balancing Valve (CB-2-1/2)	514.99	24.73
23 05 23 00-0553	EA		3" Threaded Calibrated Balancing Valve (CB-3).....	719.26	28.71



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0554 EA 2-1/2" Flanged Calibrated Balancing Valve (CB-2-1/2F).....	685.78	134.28
23 05 23 00-0555 EA 3" Flanged Calibrated Balancing Valve (CB-3F).....	983.63	157.44
23 05 23 00-0556 EA 4" Flanged Calibrated Balancing Valve (CB-4F).....	1,543.84	263.94
23 05 23 00-0557 EA 5" Flanged Calibrated Balancing Valve (CB-5F).....	2,202.88	300.05
23 05 23 00-0558 EA 6" Flanged Calibrated Balancing Valve (CB-6F).....	2,882.88	333.39
23 05 23 00-0559 EA 8" Flanged Calibrated Balancing Valve (CB-8F).....	5,161.34	426.00
23 05 23 00-0560 EA 10" Flanged Calibrated Balancing Valve (CB-10F).....	7,150.74	505.60
23 05 23 00-0561 EA 12" Flanged Calibrated Balancing Valve (CB-12F).....	14,937.58	613.94
23 05 23 00-0562 EA 4" Grooved Calibrated Balancing Valve (CB-4G).....	1,762.72	32.89
23 05 23 00-0563 EA 5" Grooved Calibrated Balancing Valve (CB-5G).....	2,034.77	42.32
23 05 23 00-0564 EA 6" Grooved Calibrated Balancing Valve (CB-6G).....	2,703.28	54.26
23 05 23 00-0565 EA 8" Grooved Calibrated Balancing Valve (CB-8G).....	5,046.17	68.86
23 05 23 00-0566 EA 10" Grooved Calibrated Balancing Valve (CB-10G).....	6,777.12	77.16
23 05 23 00-0567 EA 12" Grooved Calibrated Balancing Valve (CB-12G).....	13,926.62	94.09
23 05 23 00-0568 Butterfly Valves (23 05 23)		
23 05 23 00-0569 Cast Iron Body, Iron Disc, Butterfly Valves (23 05 23 00-0568)		
Note: With on-off handle, 150 PSI wafer type.		
23 05 23 00-0570 EA 2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	244.62	127.38
For 200 PSI, Add	40.97	
For 175 PSI, Add	14.94	
For Work In Restricted Working Space, Add	47.78	
23 05 23 00-0571 EA 2-1/2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	250.25	127.53
For 200 PSI, Add	43.36	
For 175 PSI, Add	15.81	
For Work In Restricted Working Space, Add	47.98	
23 05 23 00-0572 EA 3" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	284.41	149.53
For 200 PSI, Add	46.69	
For 175 PSI, Add	17.02	
For Work In Restricted Working Space, Add	56.14	
23 05 23 00-0573 EA 4" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	436.22	250.68
For 200 PSI, Add	58.60	
For 175 PSI, Add	21.37	
For Work In Restricted Working Space, Add	94.24	
23 05 23 00-0574 EA 5" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	548.40	298.68
For 200 PSI, Add	83.38	
For 175 PSI, Add	30.40	
For Work In Restricted Working Space, Add	112.41	
23 05 23 00-0575 EA 6" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	627.25	331.88
For 200 PSI, Add	101.96	
For 175 PSI, Add	37.17	
For Work In Restricted Working Space, Add	124.45	
23 05 23 00-0576 EA 8" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	793.71	381.66
For 200 PSI, Add	153.41	
For 175 PSI, Add	55.93	
For Work In Restricted Working Space, Add	142.23	
23 05 23 00-0577 EA 10" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	1,200.16	464.63
For 200 PSI, Add	297.30	
For 175 PSI, Add	108.39	
For Work In Restricted Working Space, Add	174.23	
23 05 23 00-0578 EA 12" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	1,493.09	564.19
For 200 PSI, Add	378.77	
For 175 PSI, Add	138.09	
For Work In Restricted Working Space, Add	211.19	
23 05 23 00-0579 Cast Iron Body, Bronze Disc, Gear Operated, 200 LB, Butterfly Valves (23 05 23 00-0568)		
23 05 23 00-0580 EA 2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	393.51	127.38
For Work In Restricted Working Space, Add	47.78	
23 05 23 00-0581 EA 2-1/2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	396.16	127.53
For Work In Restricted Working Space, Add	47.98	
23 05 23 00-0582 EA 3" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	435.29	149.53
For Work In Restricted Working Space, Add	56.14	
23 05 23 00-0583 EA 4" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	594.04	250.68
For Work In Restricted Working Space, Add	94.24	
23 05 23 00-0584 EA 5" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	723.10	298.68
For Work In Restricted Working Space, Add	112.41	
23 05 23 00-0585 EA 6" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	800.90	331.88
For Work In Restricted Working Space, Add	124.45	
23 05 23 00-0586 EA 8" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	974.37	381.66
For Work In Restricted Working Space, Add	142.23	
23 05 23 00-0587 EA 10" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	1,226.96	464.63
For Work In Restricted Working Space, Add	174.23	
23 05 23 00-0588 EA 12" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	1,642.97	564.19
For Work In Restricted Working Space, Add	211.19	
23 05 23 00-0589 Cast Iron Body, Bronze Disc, Gear Operated, 150 LB, Butterfly Valves (23 05 23 00-0568)		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0590	EA		14" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	2,587.56	683.51
			<i>For 200 PSI, Add</i>	603.44	
			<i>For 175 PSI, Add</i>	209.53	
			<i>For Work In Restricted Working Space, Add</i>	273.41	
23 05 23 00-0591	EA		16" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	3,254.45	802.00
			<i>For 200 PSI, Add</i>	810.71	
			<i>For 175 PSI, Add</i>	281.50	
			<i>For Work In Restricted Working Space, Add</i>	300.74	
23 05 23 00-0592	EA		18" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	4,459.73	893.13
			<i>For 200 PSI, Add</i>	1,204.51	
			<i>For 175 PSI, Add</i>	418.23	
			<i>For Work In Restricted Working Space, Add</i>	334.16	
23 05 23 00-0593	EA		20" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	5,678.42	1,002.48
			<i>For 200 PSI, Add</i>	1,593.11	
			<i>For 175 PSI, Add</i>	553.16	
			<i>For Work In Restricted Working Space, Add</i>	375.93	
23 05 23 00-0594	EA		24" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	7,584.70	1,230.33
			<i>For 200 PSI, Add</i>	2,175.26	
			<i>For 175 PSI, Add</i>	755.30	
			<i>For Work In Restricted Working Space, Add</i>	462.69	
23 05 23 00-0595	EA		30" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	15,637.53	2,095.52
			<i>For 200 PSI, Add</i>	4,669.38	
			<i>For 175 PSI, Add</i>	1,621.31	
			<i>For Work In Restricted Working Space, Add</i>	800.11	
23 05 23 00-0596	EA		36" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	19,813.68	2,857.53
			<i>For 200 PSI, Add</i>	5,932.76	
			<i>For 175 PSI, Add</i>	2,059.99	
			<i>For Work In Restricted Working Space, Add</i>	1,000.13	
23 05 23 00-0597	EA		42" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	24,363.01	4,191.04
			<i>For 200 PSI, Add</i>	6,924.28	
			<i>For 175 PSI, Add</i>	2,404.27	
			<i>For Work In Restricted Working Space, Add</i>	1,538.67	
23 05 23 00-0598	EA		48" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	29,740.16	5,238.79
			<i>For 200 PSI, Add</i>	8,306.14	
			<i>For 175 PSI, Add</i>	2,884.08	
			<i>For Work In Restricted Working Space, Add</i>	2,000.27	
23 05 23 00-0599	EA		54" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	36,002.95	6,286.56
			<i>For 200 PSI, Add</i>	9,960.66	
			<i>For 175 PSI, Add</i>	3,458.56	
			<i>For Work In Restricted Working Space, Add</i>	2,500.34	
23 05 23 00-0600			Bronze Body, Stainless Steel Disc, Slow Close Butterfly Valves, 175 LB <small>(23 05 23 00-0568)</small>		
			Note: (Milwaukee Valve Company BB-SC 100)		
23 05 23 00-0601	EA		1" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 LB.....	467.18	11.95
			<i>For Work In Restricted Working Space, Add</i>	15.09	
23 05 23 00-0602	EA		1-1/4" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 LB.....	506.94	12.71
			<i>For Work In Restricted Working Space, Add</i>	19.11	
23 05 23 00-0603	EA		1-1/2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 LB.....	637.22	14.71
			<i>For Work In Restricted Working Space, Add</i>	22.05	
23 05 23 00-0604	EA		2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 LB.....	800.21	17.39
			<i>For Work In Restricted Working Space, Add</i>	26.06	
23 05 23 00-0605	EA		2-1/2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 LB.....	1,073.69	23.48
			<i>For Work In Restricted Working Space, Add</i>	35.18	
23 05 23 00-0606			Bronze Body, Stainless Steel Disc, Slow Close Butterfly Valves, With Tamper Switch, 175 LB <small>(23 05 23 00-0568)</small>		
			Note: (Milwaukee Valve Company BB-S02)		
23 05 23 00-0607	EA		1" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB.....	709.87	11.95
			<i>For Work In Restricted Working Space, Add</i>	15.09	
23 05 23 00-0608	EA		1-1/4" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB.....	765.25	12.71
			<i>For Work In Restricted Working Space, Add</i>	19.11	
23 05 23 00-0609	EA		1-1/2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB.....	916.15	14.71
			<i>For Work In Restricted Working Space, Add</i>	22.05	
23 05 23 00-0610	EA		2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB.....	1,097.31	17.39
			<i>For Work In Restricted Working Space, Add</i>	26.06	
23 05 23 00-0611	EA		2-1/2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB.....	1,402.23	23.48
			<i>For Work In Restricted Working Space, Add</i>	35.18	
23 05 29			Hangers And Supports For HVAC Piping And Equipment <small>(23 05)</small>		
23 05 29 00-0001			Hangers And Supports <small>(23 05 29)</small>		
23 05 29 00-0002			Clevis Hangers <small>(23 05 29 00-0001)</small>		
23 05 29 00-0003			Steel Clevis Hanger (Cooper B-Line B3100) <small>(23 05 29 00-0002)</small>		
			Note: Type 1.		
23 05 29 00-0004	EA		1/2" Steel Clevis Hanger (Cooper B-Line B3100).....	18.17	7.92
			<i>For Work In Restricted Working Space, Add</i>	4.75	
23 05 29 00-0005	EA		3/4" Steel Clevis Hanger (Cooper B-Line B3100).....	19.92	8.79
			<i>For Work In Restricted Working Space, Add</i>	5.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0006 EA 1" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	20.92 5.55	8.79
23 05 29 00-0007 EA 1-1/4" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	21.81 5.71	9.52
23 05 29 00-0008 EA 1-1/2" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	22.11 5.71	9.52
23 05 29 00-0009 EA 2" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	23.23 5.87	9.68
23 05 29 00-0010 EA 2-1/2" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	26.07 6.03	10.03
23 05 29 00-0011 EA 3" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	28.20 6.21	10.55
23 05 29 00-0012 EA 3-1/2" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	29.27 6.62	11.59
23 05 29 00-0013 EA 4" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	32.48 7.04	12.32
23 05 29 00-0014 EA 5" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	41.96 8.84	14.73
23 05 29 00-0015 EA 6" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	50.62 10.56	17.59
23 05 29 00-0016 EA 8" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	69.54 13.19	21.99
23 05 29 00-0017 EA 10" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	104.19 17.59	29.90
23 05 29 00-0018 EA 12" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	123.36 19.79	32.98
23 05 29 00-0019 EA 14" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	156.48 22.69	36.95
23 05 29 00-0020 EA 16" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	197.69 26.39	43.98
23 05 29 00-0021 EA 18" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	246.25 32.99	54.98
23 05 29 00-0022 EA 20" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	418.34 39.58	65.97
23 05 29 00-0023 EA 24" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	659.83 46.18	76.96
23 05 29 00-0024 Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) (23 05 29 00-0002)		
23 05 29 00-0025 EA 1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	24.34 4.75	7.92
23 05 29 00-0026 EA 3/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	26.09 5.28	8.79
23 05 29 00-0027 EA 1" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	27.24 5.55	8.79
23 05 29 00-0028 EA 1-1/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	28.25 5.71	9.52
23 05 29 00-0029 EA 1-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	29.04 5.71	9.52
23 05 29 00-0030 EA 2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	29.77 5.87	9.68
23 05 29 00-0031 EA 2-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	34.05 6.03	10.03
23 05 29 00-0032 EA 3" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	35.92 6.21	10.55
23 05 29 00-0033 EA 3-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	40.16 7.04	12.32
23 05 29 00-0034 EA 4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	45.37 7.04	12.32
23 05 29 00-0035 EA 5" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	78.30 8.84	14.73
23 05 29 00-0036 EA 6" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	97.62 10.56	17.59
23 05 29 00-0037 EA 8" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	115.35 13.19	21.99
23 05 29 00-0038 Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) (23 05 29 00-0002)		
23 05 29 00-0039 EA 1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	17.94 4.75	7.92
23 05 29 00-0040 EA 3/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	19.74 5.28	8.79
23 05 29 00-0041 EA 1" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	20.88 5.55	8.79
23 05 29 00-0042 EA 1-1/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	21.45 5.71	9.52
23 05 29 00-0043 EA 1-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	21.63 5.71	9.52
23 05 29 00-0044 EA 2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	22.27 5.87	9.68
23 05 29 00-0045 EA 2-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	24.80 6.03	10.03
23 05 29 00-0046 EA 3" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	26.05 6.21	10.55

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0047	EA		3-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	29.28	12.32
			<i>For Work In Restricted Working Space, Add</i>	7.04	
23 05 29 00-0048	EA		4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	30.51	12.32
			<i>For Work In Restricted Working Space, Add</i>	7.04	
23 05 29 00-0049			Extended Steel Clevis Hanger (Cooper B-Line B3108) (23 05 29 00-0002)		
23 05 29 00-0050	EA		3/4" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	27.46	8.79
			<i>For Work In Restricted Working Space, Add</i>	5.28	
23 05 29 00-0051	EA		1" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	28.46	8.79
			<i>For Work In Restricted Working Space, Add</i>	5.55	
23 05 29 00-0052	EA		1-1/4" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	28.99	9.52
			<i>For Work In Restricted Working Space, Add</i>	5.71	
23 05 29 00-0053	EA		1-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	30.22	9.52
			<i>For Work In Restricted Working Space, Add</i>	5.71	
23 05 29 00-0054	EA		2" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	32.79	9.68
			<i>For Work In Restricted Working Space, Add</i>	5.87	
23 05 29 00-0055	EA		2-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	35.50	10.03
			<i>For Work In Restricted Working Space, Add</i>	6.03	
23 05 29 00-0056	EA		3" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	37.45	10.55
			<i>For Work In Restricted Working Space, Add</i>	6.21	
23 05 29 00-0057	EA		4" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	45.54	12.32
			<i>For Work In Restricted Working Space, Add</i>	7.04	
23 05 29 00-0058	EA		5" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	57.52	14.73
			<i>For Work In Restricted Working Space, Add</i>	8.84	
23 05 29 00-0059	EA		6" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	71.49	17.59
			<i>For Work In Restricted Working Space, Add</i>	10.56	
23 05 29 00-0060	EA		8" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	103.78	21.99
			<i>For Work In Restricted Working Space, Add</i>	13.19	
23 05 29 00-0061	EA		10" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	147.07	29.90
			<i>For Work In Restricted Working Space, Add</i>	17.59	
23 05 29 00-0062	EA		12" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	165.13	32.98
			<i>For Work In Restricted Working Space, Add</i>	19.79	
23 05 29 00-0063			Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) (23 05 29 00-0002)		
23 05 29 00-0064	EA		2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	34.24	9.68
			<i>For Work In Restricted Working Space, Add</i>	5.87	
23 05 29 00-0065	EA		2-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	36.86	10.03
			<i>For Work In Restricted Working Space, Add</i>	6.03	
23 05 29 00-0066	EA		3" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	38.98	10.55
			<i>For Work In Restricted Working Space, Add</i>	6.21	
23 05 29 00-0067	EA		3-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	42.91	12.32
			<i>For Work In Restricted Working Space, Add</i>	7.04	
23 05 29 00-0068	EA		4" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	45.98	12.32
			<i>For Work In Restricted Working Space, Add</i>	7.04	
23 05 29 00-0069	EA		5" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	56.95	14.73
			<i>For Work In Restricted Working Space, Add</i>	8.84	
23 05 29 00-0070	EA		6" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	66.14	17.59
			<i>For Work In Restricted Working Space, Add</i>	10.56	
23 05 29 00-0071	EA		8" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	88.96	21.99
			<i>For Work In Restricted Working Space, Add</i>	13.19	
23 05 29 00-0072			Adjustable Hangers (23 05 29 00-0001)		
23 05 29 00-0073			Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) (23 05 29 00-0072)		
			Note: Type 5.		
23 05 29 00-0074	EA		1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	16.89	6.96
			<i>For Work In Restricted Working Space, Add</i>	4.17	
23 05 29 00-0075	EA		3/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	18.42	7.72
			<i>For Work In Restricted Working Space, Add</i>	4.63	
23 05 29 00-0076	EA		1" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	20.10	8.58
			<i>For Work In Restricted Working Space, Add</i>	5.15	
23 05 29 00-0077	EA		1-1/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	22.13	9.53
			<i>For Work In Restricted Working Space, Add</i>	5.72	
23 05 29 00-0078	EA		1-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	23.25	10.01
			<i>For Work In Restricted Working Space, Add</i>	6.00	
23 05 29 00-0079	EA		2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	25.14	10.49
			<i>For Work In Restricted Working Space, Add</i>	6.29	
23 05 29 00-0080	EA		2-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	29.90	10.96
			<i>For Work In Restricted Working Space, Add</i>	6.58	
23 05 29 00-0081	EA		3" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	31.25	11.43
			<i>For Work In Restricted Working Space, Add</i>	6.86	
23 05 29 00-0082	EA		4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	37.92	12.87
			<i>For Work In Restricted Working Space, Add</i>	7.72	
23 05 29 00-0083			Adjustable Swivel Steel Ring (Cooper B-Line B3170) (23 05 29 00-0072)		
			Note: Type 10.		
23 05 29 00-0084	EA		1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	18.95	8.79
			<i>For Work In Restricted Working Space, Add</i>	5.28	
			<i>For 304 Stainless Steel, Add</i>	8.98	
			<i>For 316 Stainless Steel, Add</i>	11.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0085 EA 3/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	20.00	8.79
<i>For Work In Restricted Working Space, Add</i>	5.55	
<i>For 304 Stainless Steel, Add</i>	9.83	
<i>For 316 Stainless Steel, Add</i>	12.67	
23 05 29 00-0086 EA 1" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	21.04	9.68
<i>For Work In Restricted Working Space, Add</i>	5.87	
<i>For 304 Stainless Steel, Add</i>	9.83	
<i>For 316 Stainless Steel, Add</i>	12.67	
23 05 29 00-0087 EA 1-1/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	22.37	10.55
<i>For Work In Restricted Working Space, Add</i>	6.21	
<i>For 304 Stainless Steel, Add</i>	11.02	
<i>For 316 Stainless Steel, Add</i>	14.20	
23 05 29 00-0088 EA 1-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	25.12	12.32
<i>For Work In Restricted Working Space, Add</i>	7.04	
<i>For 304 Stainless Steel, Add</i>	11.02	
<i>For 316 Stainless Steel, Add</i>	14.20	
23 05 29 00-0089 EA 2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	26.88	12.32
<i>For Work In Restricted Working Space, Add</i>	7.54	
<i>For 304 Stainless Steel, Add</i>	11.55	
<i>For 316 Stainless Steel, Add</i>	14.88	
23 05 29 00-0090 EA 2-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	29.92	13.19
<i>For Work In Restricted Working Space, Add</i>	8.12	
<i>For 304 Stainless Steel, Add</i>	18.81	
<i>For 316 Stainless Steel, Add</i>	24.23	
23 05 29 00-0091 EA 3" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	32.30	14.95
<i>For Work In Restricted Working Space, Add</i>	8.80	
<i>For 304 Stainless Steel, Add</i>	19.67	
<i>For 316 Stainless Steel, Add</i>	25.33	
23 05 29 00-0092 EA 3-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	36.10	16.05
<i>For Work In Restricted Working Space, Add</i>	9.63	
<i>For 304 Stainless Steel, Add</i>	26.33	
<i>For 316 Stainless Steel, Add</i>	33.92	
23 05 29 00-0093 EA 4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	39.18	17.59
<i>For Work In Restricted Working Space, Add</i>	10.56	
<i>For 304 Stainless Steel, Add</i>	26.33	
<i>For 316 Stainless Steel, Add</i>	33.92	
23 05 29 00-0094 EA 5" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	47.87	19.79
<i>For Work In Restricted Working Space, Add</i>	11.87	
<i>For 304 Stainless Steel, Add</i>	54.71	
<i>For 316 Stainless Steel, Add</i>	70.47	
23 05 29 00-0095 EA 6" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	52.40	21.99
<i>For Work In Restricted Working Space, Add</i>	13.19	
<i>For 304 Stainless Steel, Add</i>	55.57	
<i>For 316 Stainless Steel, Add</i>	71.57	
23 05 29 00-0096 EA 8" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	62.77	26.39
<i>For Work In Restricted Working Space, Add</i>	15.83	
<i>For 304 Stainless Steel, Add</i>	66.00	
<i>For 316 Stainless Steel, Add</i>	85.00	
23 05 29 00-0097 Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) (23 05 29 00-0072)		
23 05 29 00-0098 EA 1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	19.59	8.79
<i>For Work In Restricted Working Space, Add</i>	5.28	
<i>For 304 Stainless Steel, Add</i>	13.20	
<i>For 316 Stainless Steel, Add</i>	17.00	
23 05 29 00-0099 EA 3/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	20.51	8.79
<i>For Work In Restricted Working Space, Add</i>	5.55	
<i>For 304 Stainless Steel, Add</i>	13.20	
<i>For 316 Stainless Steel, Add</i>	17.00	
23 05 29 00-0100 EA 1" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	21.55	9.68
<i>For Work In Restricted Working Space, Add</i>	5.87	
<i>For 304 Stainless Steel, Add</i>	13.20	
<i>For 316 Stainless Steel, Add</i>	17.00	
23 05 29 00-0101 EA 1-1/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	22.70	10.55
<i>For Work In Restricted Working Space, Add</i>	6.21	
<i>For 304 Stainless Steel, Add</i>	13.20	
<i>For 316 Stainless Steel, Add</i>	17.00	
23 05 29 00-0102 EA 1-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	25.62	12.32
<i>For Work In Restricted Working Space, Add</i>	7.04	
<i>For 304 Stainless Steel, Add</i>	14.32	
<i>For 316 Stainless Steel, Add</i>	18.45	
23 05 29 00-0103 EA 2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	27.30	12.32
<i>For Work In Restricted Working Space, Add</i>	7.54	
<i>For 304 Stainless Steel, Add</i>	14.32	
<i>For 316 Stainless Steel, Add</i>	18.45	
23 05 29 00-0104 EA 2-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	32.77	13.19
<i>For Work In Restricted Working Space, Add</i>	8.12	
<i>For 304 Stainless Steel, Add</i>	37.62	
<i>For 316 Stainless Steel, Add</i>	48.45	
23 05 29 00-0105 EA 3" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	36.39	14.95
<i>For Work In Restricted Working Space, Add</i>	8.80	
<i>For 304 Stainless Steel, Add</i>	46.66	
<i>For 316 Stainless Steel, Add</i>	60.10	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0106 EA 3-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	39.73	16.05
For Work In Restricted Working Space, Add	9.63	
For 304 Stainless Steel, Add	50.29	
For 316 Stainless Steel, Add	64.77	
23 05 29 00-0107 EA 4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	44.47	17.59
For Work In Restricted Working Space, Add	10.56	
For 304 Stainless Steel, Add	61.25	
For 316 Stainless Steel, Add	78.88	
23 05 29 00-0108 EA 5" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	48.99	19.79
For Work In Restricted Working Space, Add	11.87	
For 304 Stainless Steel, Add	62.11	
For 316 Stainless Steel, Add	79.99	
23 05 29 00-0109 EA 6" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	57.60	21.99
For Work In Restricted Working Space, Add	13.19	
For 304 Stainless Steel, Add	89.89	
For 316 Stainless Steel, Add	115.77	
23 05 29 00-0110 Roller Hangers (23 05 29 00-0001)		
23 05 29 00-0111 Single Pipe Roll (Cooper B-Line B3114) (23 05 29 00-0110)		
Note: Excludes rod and nuts. Type 41.		
23 05 29 00-0112 EA 2" Single Pipe Roll (Cooper B-Line B3114).....	32.98	6.82
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	4.09	
23 05 29 00-0113 EA 2-1/2" Single Pipe Roll (Cooper B-Line B3114).....	36.12	7.67
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	4.60	
23 05 29 00-0114 EA 3" Single Pipe Roll (Cooper B-Line B3114).....	39.82	8.95
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	5.37	
23 05 29 00-0115 EA 3-1/2" Single Pipe Roll (Cooper B-Line B3114).....	45.89	10.23
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	6.14	
23 05 29 00-0116 EA 4" Single Pipe Roll (Cooper B-Line B3114).....	65.85	11.51
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	6.91	
23 05 29 00-0117 EA 5" Single Pipe Roll (Cooper B-Line B3114).....	56.43	12.79
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	7.67	
23 05 29 00-0118 EA 6" Single Pipe Roll (Cooper B-Line B3114).....	70.76	15.34
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	9.21	
23 05 29 00-0119 EA 8" Single Pipe Roll (Cooper B-Line B3114).....	97.96	17.90
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	10.74	
23 05 29 00-0120 EA 10" Single Pipe Roll (Cooper B-Line B3114).....	116.06	21.32
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	12.79	
23 05 29 00-0121 Adjustable Clevis Roller Hanger (Cooper B-Line B3110) (23 05 29 00-0110)		
Note: Type 43.		
23 05 29 00-0122 EA 2" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	47.84	12.04
For Work In Restricted Working Space, Add	6.95	
For 304 Stainless Steel, Add	162.89	
For 316 Stainless Steel, Add	209.78	
23 05 29 00-0123 EA 2-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	49.50	12.41
For Work In Restricted Working Space, Add	7.45	
For 304 Stainless Steel, Add	162.89	
For 316 Stainless Steel, Add	209.78	
23 05 29 00-0124 EA 3" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	53.99	12.96
For Work In Restricted Working Space, Add	7.94	
For 304 Stainless Steel, Add	181.70	
For 316 Stainless Steel, Add	234.01	
23 05 29 00-0125 EA 3-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	64.43	13.89
For Work In Restricted Working Space, Add	8.33	
For 304 Stainless Steel, Add	241.89	
For 316 Stainless Steel, Add	311.53	
23 05 29 00-0126 EA 4" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	67.52	15.74
For Work In Restricted Working Space, Add	9.26	
For 304 Stainless Steel, Add	241.89	
For 316 Stainless Steel, Add	311.53	
23 05 29 00-0127 EA 5" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	76.68	16.95
For Work In Restricted Working Space, Add	10.17	
For 304 Stainless Steel, Add	282.41	
For 316 Stainless Steel, Add	363.72	
23 05 29 00-0128 EA 6" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	90.17	18.53
For Work In Restricted Working Space, Add	11.11	
For 304 Stainless Steel, Add	350.66	
For 316 Stainless Steel, Add	451.61	
23 05 29 00-0129 EA 8" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	125.82	23.16
For Work In Restricted Working Space, Add	13.89	
For 304 Stainless Steel, Add	524.83	
For 316 Stainless Steel, Add	675.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0130 EA 10" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i>	156.48 18.52	31.49
<i>For 304 Stainless Steel, Add</i>	625.28	
<i>For 316 Stainless Steel, Add</i>	805.29	
23 05 29 00-0131 EA 12" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i>	208.74 20.84	34.73
<i>For 304 Stainless Steel, Add</i>	919.25	
<i>For 316 Stainless Steel, Add</i>	1,183.88	
23 05 29 00-0132 EA 14" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i>	465.60 23.89	39.82
<i>For 304 Stainless Steel, Add</i>	2,547.34	
<i>For 316 Stainless Steel, Add</i>	3,280.66	
23 05 29 00-0133 EA 16" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i>	588.03 27.78	46.30
<i>For 304 Stainless Steel, Add</i>	3,269.77	
<i>For 316 Stainless Steel, Add</i>	4,211.07	
23 05 29 00-0134 Roller Chair (Cooper B-Line B3120) (23 05 29 00-0110)		
23 05 29 00-0135 EA 2" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	46.22 6.95	12.04
23 05 29 00-0136 EA 2-1/2" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	49.86 7.45	12.41
23 05 29 00-0137 EA 3" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	52.06 7.94	12.96
23 05 29 00-0138 EA 3-1/2" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	60.40 8.33	13.89
23 05 29 00-0139 EA 4" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	67.34 9.26	15.74
23 05 29 00-0140 EA 5" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	73.52 10.17	16.95
23 05 29 00-0141 EA 6" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	92.24 11.11	18.53
23 05 29 00-0142 EA 8" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	120.91 13.89	23.16
23 05 29 00-0143 EA 10" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	155.34 18.52	31.49
23 05 29 00-0144 EA 12" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	205.76 20.84	34.73
23 05 29 00-0145 EA 14" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	222.60 23.89	39.82
23 05 29 00-0146 EA 16" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	270.07 27.78	46.30
23 05 29 00-0147 EA 18" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	368.45 34.73	57.88
23 05 29 00-0148 EA 20" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	458.01 41.67	69.46
23 05 29 00-0149 Adjustable Roller Support (Cooper B-Line B3122) (23 05 29 00-0110)		
23 05 29 00-0150 EA 2" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	53.81 6.95	12.04
23 05 29 00-0151 EA 2-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	61.08 7.45	12.41
23 05 29 00-0152 EA 3" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	64.03 7.94	12.96
23 05 29 00-0153 EA 3-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	67.72 8.33	13.89
23 05 29 00-0154 EA 4" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	82.69 9.26	15.74
23 05 29 00-0155 EA 5" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	94.30 10.17	16.95
23 05 29 00-0156 EA 6" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	111.00 11.11	18.53
23 05 29 00-0157 EA 8" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	159.54 13.89	23.16
23 05 29 00-0158 EA 10" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	196.99 18.52	31.49
23 05 29 00-0159 EA 12" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	228.82 20.84	34.73
23 05 29 00-0160 EA 14" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	332.99 23.89	39.82
23 05 29 00-0161 EA 16" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	400.62 27.78	46.30
23 05 29 00-0162 EA 18" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	449.68 34.73	57.88
23 05 29 00-0163 Adjustable Double Roller Support (Cooper B-Line B3122A) (23 05 29 00-0110)		
23 05 29 00-0164 EA 2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	54.24 6.95	12.04
23 05 29 00-0165 EA 2-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	61.47 7.45	12.41

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0166 EA 3" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) <i>For Work In Restricted Working Space, Add</i>	64.69 7.94	12.96
23 05 29 00-0167 EA 3-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) <i>For Work In Restricted Working Space, Add</i>	67.15 8.33	13.89
23 05 29 00-0168 EA 4" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) <i>For Work In Restricted Working Space, Add</i>	87.12 9.26	15.74
23 05 29 00-0169 EA 5" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) <i>For Work In Restricted Working Space, Add</i>	99.52 10.17	16.95
23 05 29 00-0170 EA 6" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) <i>For Work In Restricted Working Space, Add</i>	117.22 11.11	18.53
23 05 29 00-0171 EA 8" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) <i>For Work In Restricted Working Space, Add</i>	169.18 13.89	23.16
23 05 29 00-0172 EA 10" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) <i>For Work In Restricted Working Space, Add</i>	208.56 18.52	31.49
23 05 29 00-0173 EA 12" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) <i>For Work In Restricted Working Space, Add</i>	242.36 20.84	34.73
23 05 29 00-0174 EA 14" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) <i>For Work In Restricted Working Space, Add</i>	354.64 23.89	39.82
23 05 29 00-0175 Pipe And Riser Clamps (23 05 29 00-0001) Note: Includes bolts and weldless eye nuts.		
23 05 29 00-0176 Steel Pipe Clamp (Cooper B-Line B3140) (23 05 29 00-0175) Note: Type 4.		
23 05 29 00-0177 EA 1/2" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	17.18 3.43	5.72
23 05 29 00-0178 EA 3/4" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	17.37 3.49	5.81
23 05 29 00-0179 EA 1" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	17.60 3.54	5.91
23 05 29 00-0180 EA 1-1/4" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	19.54 3.60	6.00
23 05 29 00-0181 EA 1-1/2" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	19.73 3.66	6.10
23 05 29 00-0182 EA 2" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	21.25 3.72	6.19
23 05 29 00-0183 EA 2-1/2" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	22.15 3.83	6.38
23 05 29 00-0184 EA 3" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	23.63 3.95	6.57
23 05 29 00-0185 EA 3-1/2" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	28.16 4.00	6.67
23 05 29 00-0186 EA 4" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	31.97 5.15	8.58
23 05 29 00-0187 EA 5" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	46.54 6.86	11.43
23 05 29 00-0188 EA 6" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	64.89 8.58	14.29
23 05 29 00-0189 EA 8" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	76.49 10.01	16.68
23 05 29 00-0190 EA 10" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	115.89 11.44	19.06
23 05 29 00-0191 EA 12" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	162.22 12.58	20.97
23 05 29 00-0192 EA 14" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	271.52 13.73	22.87
23 05 29 00-0193 EA 16" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	294.31 14.87	24.78
23 05 29 00-0194 EA 18" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	489.40 16.01	26.69
23 05 29 00-0195 EA 20" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	567.81 17.15	28.59
23 05 29 00-0196 EA 24" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	744.86 18.87	31.45
23 05 29 00-0197 Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) (23 05 29 00-0175)		
23 05 29 00-0198 EA 3" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) <i>For Work In Restricted Working Space, Add</i>	39.80 3.67	6.16
23 05 29 00-0199 EA 4" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) <i>For Work In Restricted Working Space, Add</i>	53.95 3.67	6.16
23 05 29 00-0200 EA 5" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) <i>For Work In Restricted Working Space, Add</i>	59.53 3.83	6.37
23 05 29 00-0201 EA 6" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) <i>For Work In Restricted Working Space, Add</i>	98.14 3.98	6.60
23 05 29 00-0202 EA 8" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) <i>For Work In Restricted Working Space, Add</i>	106.96 4.22	7.03
23 05 29 00-0203 EA 10" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) <i>For Work In Restricted Working Space, Add</i>	187.54 4.21	7.03
23 05 29 00-0204 EA 12" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) <i>For Work In Restricted Working Space, Add</i>	306.52 4.75	7.92
23 05 29 00-0205 EA 14" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) <i>For Work In Restricted Working Space, Add</i>	389.96 5.28	8.79



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0206 EA 16" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	423.16	10.55
For Work In Restricted Working Space, Add	6.33	
23 05 29 00-0207 EA 18" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	1,333.70	12.32
For Work In Restricted Working Space, Add	7.39	
23 05 29 00-0208 EA 20" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	1,533.86	13.19
For Work In Restricted Working Space, Add	7.91	
23 05 29 00-0209 EA 24" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	1,967.17	14.08
For Work In Restricted Working Space, Add	8.44	
23 05 29 00-0210 Steel Riser Clamp (Cooper B-Line B3373) (23 05 29 00-0175)		
Note: Type 8.		
23 05 29 00-0211 EA 1/2" Steel Riser Clamp (Cooper B-Line B3373).....	17.74	5.27
For Work In Restricted Working Space, Add	3.17	
23 05 29 00-0212 EA 3/4" Steel Riser Clamp (Cooper B-Line B3373).....	18.58	5.36
For Work In Restricted Working Space, Add	3.22	
23 05 29 00-0213 EA 1" Steel Riser Clamp (Cooper B-Line B3373).....	18.85	5.45
For Work In Restricted Working Space, Add	3.27	
23 05 29 00-0214 EA 1-1/4" Steel Riser Clamp (Cooper B-Line B3373).....	20.68	5.54
For Work In Restricted Working Space, Add	3.32	
23 05 29 00-0215 EA 1-1/2" Steel Riser Clamp (Cooper B-Line B3373).....	21.61	5.62
For Work In Restricted Working Space, Add	3.38	
23 05 29 00-0216 EA 2" Steel Riser Clamp (Cooper B-Line B3373).....	22.17	5.72
For Work In Restricted Working Space, Add	3.43	
23 05 29 00-0217 EA 2-1/2" Steel Riser Clamp (Cooper B-Line B3373).....	23.18	5.90
For Work In Restricted Working Space, Add	3.53	
23 05 29 00-0218 EA 3" Steel Riser Clamp (Cooper B-Line B3373).....	24.72	6.07
For Work In Restricted Working Space, Add	3.64	
23 05 29 00-0219 EA 3-1/2" Steel Riser Clamp (Cooper B-Line B3373).....	27.62	6.16
For Work In Restricted Working Space, Add	3.70	
23 05 29 00-0220 EA 4" Steel Riser Clamp (Cooper B-Line B3373).....	33.17	7.92
For Work In Restricted Working Space, Add	4.75	
23 05 29 00-0221 EA 5" Steel Riser Clamp (Cooper B-Line B3373).....	42.59	10.55
For Work In Restricted Working Space, Add	6.33	
23 05 29 00-0222 EA 6" Steel Riser Clamp (Cooper B-Line B3373).....	54.18	13.19
For Work In Restricted Working Space, Add	7.92	
23 05 29 00-0223 EA 8" Steel Riser Clamp (Cooper B-Line B3373).....	76.29	15.39
For Work In Restricted Working Space, Add	9.24	
23 05 29 00-0224 EA 10" Steel Riser Clamp (Cooper B-Line B3373).....	102.53	17.59
For Work In Restricted Working Space, Add	10.56	
23 05 29 00-0225 EA 12" Steel Riser Clamp (Cooper B-Line B3373).....	125.68	19.35
For Work In Restricted Working Space, Add	11.61	
23 05 29 00-0226 EA 14" Steel Riser Clamp (Cooper B-Line B3373).....	173.08	21.11
For Work In Restricted Working Space, Add	12.67	
23 05 29 00-0227 EA 16" Steel Riser Clamp (Cooper B-Line B3373).....	344.46	22.87
For Work In Restricted Working Space, Add	13.72	
23 05 29 00-0228 Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) (23 05 29 00-0175)		
23 05 29 00-0229 EA 1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	34.84	5.27
For Work In Restricted Working Space, Add	3.17	
23 05 29 00-0230 EA 3/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	35.37	5.36
For Work In Restricted Working Space, Add	3.22	
23 05 29 00-0231 EA 1" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	36.95	5.45
For Work In Restricted Working Space, Add	3.27	
23 05 29 00-0232 EA 1-1/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	39.75	5.54
For Work In Restricted Working Space, Add	3.32	
23 05 29 00-0233 EA 1-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	45.45	5.62
For Work In Restricted Working Space, Add	3.38	
23 05 29 00-0234 EA 2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	48.52	5.72
For Work In Restricted Working Space, Add	3.43	
23 05 29 00-0235 EA 2-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	52.77	5.90
For Work In Restricted Working Space, Add	3.53	
23 05 29 00-0236 EA 3" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	58.34	6.07
For Work In Restricted Working Space, Add	3.64	
23 05 29 00-0237 EA 4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	79.28	7.92
For Work In Restricted Working Space, Add	4.75	
23 05 29 00-0238 Two Bolt Steel Underground Clamp (Cooper B-Line B3132) (23 05 29 00-0175)		
Note: Type 42		
23 05 29 00-0239 EA 4" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	83.51	6.16
For Work In Restricted Working Space, Add	3.67	
23 05 29 00-0240 EA 6" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	88.50	6.60
For Work In Restricted Working Space, Add	3.98	
23 05 29 00-0241 EA 8" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	97.41	7.03
For Work In Restricted Working Space, Add	4.22	
23 05 29 00-0242 EA 10" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	104.43	7.03
For Work In Restricted Working Space, Add	4.21	
23 05 29 00-0243 EA 12" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	126.85	7.92
For Work In Restricted Working Space, Add	4.75	
23 05 29 00-0244 EA 14" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	407.92	8.79
For Work In Restricted Working Space, Add	5.28	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0245 EA 16" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	547.57	10.55
<i>For Work In Restricted Working Space, Add</i>	6.33	
23 05 29 00-0246 EA 18" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	652.71	12.32
<i>For Work In Restricted Working Space, Add</i>	7.39	
23 05 29 00-0247 EA 20" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	955.03	13.19
<i>For Work In Restricted Working Space, Add</i>	7.91	
23 05 29 00-0248 EA 24" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	1,319.94	14.08
<i>For Work In Restricted Working Space, Add</i>	8.44	
23 05 29 00-0249 Four Bolt Steel Underground Clamp (Cooper B-Line B3134) (23 05 29 00-0175)		
23 05 29 00-0250 EA 4" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	76.66	6.16
<i>For Work In Restricted Working Space, Add</i>	3.67	
23 05 29 00-0251 EA 6" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	82.62	6.60
<i>For Work In Restricted Working Space, Add</i>	3.98	
23 05 29 00-0252 EA 8" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	148.47	7.03
<i>For Work In Restricted Working Space, Add</i>	4.22	
23 05 29 00-0253 EA 10" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	165.80	7.03
<i>For Work In Restricted Working Space, Add</i>	4.21	
23 05 29 00-0254 EA 12" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	240.01	7.92
<i>For Work In Restricted Working Space, Add</i>	4.75	
23 05 29 00-0255 EA 14" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	370.98	8.79
<i>For Work In Restricted Working Space, Add</i>	5.28	
23 05 29 00-0256 EA 16" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	498.73	10.55
<i>For Work In Restricted Working Space, Add</i>	6.33	
23 05 29 00-0257 EA 18" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	593.83	12.32
<i>For Work In Restricted Working Space, Add</i>	7.39	
23 05 29 00-0258 EA 20" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	872.34	13.19
<i>For Work In Restricted Working Space, Add</i>	7.91	
23 05 29 00-0259 EA 24" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	1,197.54	14.08
<i>For Work In Restricted Working Space, Add</i>	8.44	
23 05 29 00-0260 Split Pipe Clamps And Rings (23 05 29 00-0001)		
23 05 29 00-0261 Adjustable Split Ring Swivel Hanger (Cooper B-Line B3171) (23 05 29 00-0260)		
Note: Type 6.		
23 05 29 00-0262 EA 3/4" Adjustable Swivel Ring (Cooper B-Line B3171).....	30.01	8.10
<i>For Work In Restricted Working Space, Add</i>	4.86	
23 05 29 00-0263 EA 1" Adjustable Swivel Ring (Cooper B-Line B3171).....	31.79	8.58
<i>For Work In Restricted Working Space, Add</i>	5.15	
23 05 29 00-0264 EA 1-1/4" Adjustable Swivel Ring (Cooper B-Line B3171).....	34.40	9.53
<i>For Work In Restricted Working Space, Add</i>	5.72	
23 05 29 00-0265 EA 1-1/2" Adjustable Swivel Ring (Cooper B-Line B3171).....	37.28	10.01
<i>For Work In Restricted Working Space, Add</i>	6.00	
23 05 29 00-0266 EA 2" Adjustable Swivel Ring (Cooper B-Line B3171).....	40.57	10.49
<i>For Work In Restricted Working Space, Add</i>	6.29	
23 05 29 00-0267 EA 2-1/2" Adjustable Swivel Ring (Cooper B-Line B3171).....	51.78	10.96
<i>For Work In Restricted Working Space, Add</i>	6.58	
23 05 29 00-0268 EA 3" Adjustable Swivel Ring (Cooper B-Line B3171).....	57.33	11.43
<i>For Work In Restricted Working Space, Add</i>	6.86	
23 05 29 00-0269 EA 4" Adjustable Swivel Ring (Cooper B-Line B3171).....	78.30	12.87
<i>For Work In Restricted Working Space, Add</i>	7.72	
23 05 29 00-0270 EA 5" Adjustable Swivel Ring (Cooper B-Line B3171).....	99.70	16.20
<i>For Work In Restricted Working Space, Add</i>	9.72	
23 05 29 00-0271 EA 6" Adjustable Swivel Ring (Cooper B-Line B3171).....	135.53	19.06
<i>For Work In Restricted Working Space, Add</i>	11.44	
23 05 29 00-0272 Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) (23 05 29 00-0260)		
Note: Type 11.		
23 05 29 00-0273 EA 1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	18.12	6.69
<i>For Work In Restricted Working Space, Add</i>	4.10	
23 05 29 00-0274 EA 3/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	19.17	6.69
<i>For Work In Restricted Working Space, Add</i>	4.28	
23 05 29 00-0275 EA 1" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	21.02	8.60
<i>For Work In Restricted Working Space, Add</i>	4.78	
23 05 29 00-0276 EA 1-1/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	23.08	8.60
<i>For Work In Restricted Working Space, Add</i>	5.03	
23 05 29 00-0277 EA 1-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	26.36	8.60
<i>For Work In Restricted Working Space, Add</i>	5.21	
23 05 29 00-0278 EA 2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	31.34	9.55
<i>For Work In Restricted Working Space, Add</i>	5.73	
23 05 29 00-0279 EA 2-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	44.32	9.55
<i>For Work In Restricted Working Space, Add</i>	5.97	
23 05 29 00-0280 EA 3" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	49.88	10.51
<i>For Work In Restricted Working Space, Add</i>	6.23	
23 05 29 00-0281 EA 4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	52.82	11.47
<i>For Work In Restricted Working Space, Add</i>	6.83	
23 05 29 00-0282 Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) (23 05 29 00-0260)		
Note: Type 12.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0283 EA 1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	18.12	6.69
<i>For Work In Restricted Working Space, Add</i>	4.10	
23 05 29 00-0284 EA 3/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	19.17	7.17
<i>For Work In Restricted Working Space, Add</i>	4.28	
23 05 29 00-0285 EA 1" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	21.02	8.13
<i>For Work In Restricted Working Space, Add</i>	4.78	
23 05 29 00-0286 EA 1-1/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	23.08	8.60
<i>For Work In Restricted Working Space, Add</i>	5.03	
23 05 29 00-0287 EA 1-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	26.36	8.60
<i>For Work In Restricted Working Space, Add</i>	5.21	
23 05 29 00-0288 EA 2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	31.34	9.55
<i>For Work In Restricted Working Space, Add</i>	5.73	
23 05 29 00-0289 EA 2-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	44.32	10.04
<i>For Work In Restricted Working Space, Add</i>	5.97	
23 05 29 00-0290 EA 3" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	49.88	10.51
<i>For Work In Restricted Working Space, Add</i>	6.23	
23 05 29 00-0291 Pipe Straps (23 05 29 00-0001)		
23 05 29 00-0292 Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B-3180) (23		
<small>05 29 00-0291)</small>		
23 05 29 00-0293 EA 1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	12.20	4.78
<i>For Work In Restricted Working Space, Add</i>	2.87	
23 05 29 00-0294 EA 3/4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	12.71	5.73
<i>For Work In Restricted Working Space, Add</i>	3.02	
23 05 29 00-0295 EA 1" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	13.27	5.73
<i>For Work In Restricted Working Space, Add</i>	3.19	
23 05 29 00-0296 EA 1-1/4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	14.01	5.73
<i>For Work In Restricted Working Space, Add</i>	3.37	
23 05 29 00-0297 EA 1-1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	14.80	6.69
<i>For Work In Restricted Working Space, Add</i>	3.59	
23 05 29 00-0298 EA 2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	17.44	6.69
<i>For Work In Restricted Working Space, Add</i>	3.82	
23 05 29 00-0299 EA 2-1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	22.15	6.69
<i>For Work In Restricted Working Space, Add</i>	4.10	
23 05 29 00-0300 EA 3" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	29.58	6.69
<i>For Work In Restricted Working Space, Add</i>	4.41	
23 05 29 00-0301 EA 4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	35.12	8.60
<i>For Work In Restricted Working Space, Add</i>	5.16	
23 05 29 00-0302 EA 6" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	43.80	9.55
<i>For Work In Restricted Working Space, Add</i>	5.73	
23 05 29 00-0303 EA 8" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	55.80	10.51
<i>For Work In Restricted Working Space, Add</i>	6.31	
23 05 29 00-0304 Two Hole Copper-Clad Pipe Straps (23 05 29 00-0291)		
23 05 29 00-0305 EA 1/2" Two Hole Copper-Clad Pipe Strap	4.86	
<i>For Work In Restricted Working Space, Add</i>	1.43	
23 05 29 00-0306 EA 3/4" Two Hole Copper-Clad Pipe Strap	5.12	
<i>For Work In Restricted Working Space, Add</i>	1.51	
23 05 29 00-0307 EA 1" Two Hole Copper-Clad Pipe Strap	5.47	
<i>For Work In Restricted Working Space, Add</i>	1.58	
23 05 29 00-0308 EA 1-1/4" Two Hole Copper-Clad Pipe Strap	5.70	
<i>For Work In Restricted Working Space, Add</i>	1.65	
23 05 29 00-0309 EA 1-1/2" Two Hole Copper-Clad Pipe Strap	5.97	
<i>For Work In Restricted Working Space, Add</i>	1.72	
23 05 29 00-0310 EA 2" Two Hole Copper-Clad Pipe Strap	6.47	
<i>For Work In Restricted Working Space, Add</i>	1.87	
23 05 29 00-0311 One Hole Galvanized Steel Pipe Straps (23 05 29 00-0291)		
23 05 29 00-0312 EA 1/2" One Hole Galvanized Steel Pipe Strap (Anvil 185D).....	2.77	
<i>For Work In Restricted Working Space, Add</i>	0.48	
23 05 29 00-0313 EA 3/4" One Hole Galvanized Steel Pipe Strap (Anvil 185D).....	3.38	
<i>For Work In Restricted Working Space, Add</i>	0.51	
23 05 29 00-0314 EA 1" One Hole Galvanized Steel Pipe Strap (Anvil 185D).....	3.62	
<i>For Work In Restricted Working Space, Add</i>	0.55	
23 05 29 00-0315 EA 1-1/4" Galvanized Steel Strap, 1 Hole	3.89	
<i>For Work In Restricted Working Space, Add</i>	0.60	
23 05 29 00-0316 EA 1-1/2" Galvanized Steel Strap, 1 Hole	4.16	
<i>For Work In Restricted Working Space, Add</i>	0.65	
23 05 29 00-0317 EA 2" Galvanized Steel Strap, 1 Hole.....	4.66	
<i>For Work In Restricted Working Space, Add</i>	0.72	
23 05 29 00-0318 Pipe and Equipment Support Brackets (23 05 29 00-0001)		
23 05 29 00-0319 Pipe and Equipment Supports, Light Duty Welded Steel Bracket (Cooper B-		
Line B3068) (23 05 29 00-0318)		
Note: Up to 750# load.		
23 05 29 00-0320 EA 9" x 9" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	139.62	10.55
<i>For Galvanized, Add</i>	23.70	
<i>For Work In Restricted Working Space, Add</i>	6.33	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0321 EA 13" x 13" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068).....	141.78	10.55
For Galvanized, Add	24.13	
For Work In Restricted Working Space, Add	6.33	
23 05 29 00-0322 EA 19" x 19" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068).....	150.35	10.55
For Galvanized, Add	25.85	
For Work In Restricted Working Space, Add	6.33	
23 05 29 00-0323 Pipe and Equipment Supports, Medium Duty Welded Steel Bracket (Cooper B-Line B3066) <small>(23 05 29 00-0318)</small>		
Note: Up to 1500# load.		
23 05 29 00-0324 EA 12" Wide x 18" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066).....	349.01	10.55
For Galvanized, Add	65.58	
For Work In Restricted Working Space, Add	6.33	
23 05 29 00-0325 EA 18" Wide x 24" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066).....	410.65	10.55
For Galvanized, Add	77.91	
For Work In Restricted Working Space, Add	6.33	
23 05 29 00-0326 EA 24" Wide x 30" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066).....	536.35	10.55
For Galvanized, Add	103.05	
For Work In Restricted Working Space, Add	6.33	
23 05 29 00-0327 Pipe Alignment Guide <small>(23 05 29 00-0001)</small>		
23 05 29 00-0328 Pipe Alignment Guide, 1" Insulation <small>(23 05 29 00-0327)</small>		
23 05 29 00-0329 EA 1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1/2).....	392.26	16.71
23 05 29 00-0330 EA 3/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3/4).....	393.13	17.16
23 05 29 00-0331 EA 1" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1).....	394.02	17.59
23 05 29 00-0332 EA 1-1/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/4).....	394.89	18.03
23 05 29 00-0333 EA 1-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/2).....	430.73	18.47
23 05 29 00-0334 EA 2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2).....	439.67	20.23
23 05 29 00-0335 EA 2-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2-1/2).....	440.99	20.89
23 05 29 00-0336 EA 3" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3).....	442.30	21.55
23 05 29 00-0337 EA 4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-4).....	468.14	22.87
23 05 29 00-0338 EA 5" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-5).....	546.28	29.03
23 05 29 00-0339 EA 6" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-6).....	558.58	35.19
23 05 29 00-0340 EA 8" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-8).....	630.20	43.98
23 05 29 00-0341 EA 10" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-10).....	1,161.06	52.77
23 05 29 00-0342 EA 12" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-12).....	1,765.58	70.36
23 05 29 00-0343 EA 14" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-14).....	2,172.85	87.96
23 05 29 00-0344 EA 16" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-16).....	2,613.36	98.52
23 05 29 00-0345 EA 18" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-18).....	2,819.27	109.95
23 05 29 00-0346 EA 20" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-20).....	2,997.53	125.78
23 05 29 00-0347 EA 24" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-24).....	3,772.92	131.94
23 05 29 00-0348 Pipe Alignment Guide, 1-1/2" Insulation <small>(23 05 29 00-0327)</small>		
23 05 29 00-0349 EA 1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1/2).....	393.13	17.16
23 05 29 00-0350 EA 3/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3/4).....	428.97	17.59
23 05 29 00-0351 EA 1" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1).....	429.84	18.03
23 05 29 00-0352 EA 1-1/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/4).....	430.73	18.47
23 05 29 00-0353 EA 1-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/2).....	431.60	18.91
23 05 29 00-0354 EA 2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2).....	440.55	20.67
23 05 29 00-0355 EA 2-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2-1/2).....	441.87	21.33
23 05 29 00-0356 EA 3" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3).....	466.38	21.99
23 05 29 00-0357 EA 4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-4).....	469.02	23.31
23 05 29 00-0358 EA 5" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-5).....	547.59	29.68
23 05 29 00-0359 EA 6" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-6).....	560.34	36.06
23 05 29 00-0360 EA 8" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-8).....	632.39	45.08
23 05 29 00-0361 EA 10" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-10).....	1,163.69	54.09
23 05 29 00-0362 EA 12" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-12).....	1,769.10	72.12
23 05 29 00-0363 EA 14" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-14).....	2,177.25	90.15
23 05 29 00-0364 EA 16" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-16).....	2,618.64	101.15
23 05 29 00-0365 EA 18" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-18).....	2,824.55	112.58
23 05 29 00-0366 EA 20" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-20).....	3,003.68	128.86
23 05 29 00-0367 EA 24" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-24).....	3,779.52	135.23
23 05 29 00-0368 Pipe Alignment Guide, 2" Insulation <small>(23 05 29 00-0327)</small>		
23 05 29 00-0369 EA 1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1/2).....	428.97	17.59
23 05 29 00-0370 EA 3/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3/4).....	435.27	18.03
23 05 29 00-0371 EA 1" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1).....	436.16	18.47
23 05 29 00-0372 EA 1-1/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/4).....	437.03	18.91
23 05 29 00-0373 EA 1-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/2).....	437.91	19.35
23 05 29 00-0374 EA 2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2).....	464.62	21.11
23 05 29 00-0375 EA 2-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2-1/2).....	466.38	21.99
23 05 29 00-0376 EA 3" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3).....	467.48	22.54
23 05 29 00-0377 EA 4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-4).....	535.72	23.75
23 05 29 00-0378 EA 5" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-5).....	548.91	30.35
23 05 29 00-0379 EA 6" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-6).....	616.12	36.95
23 05 29 00-0380 EA 8" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-8).....	694.43	46.17



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0381	EA			10" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-10).....	1,166.34	55.41
23 05 29 00-0382	EA			12" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-12).....	1,772.62	73.88
23 05 29 00-0383	EA			14" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-14).....	2,181.65	92.36
23 05 29 00-0384	EA			16" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-16).....	2,623.72	103.69
23 05 29 00-0385	EA			18" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-18).....	2,830.27	115.44
23 05 29 00-0386	EA			20" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-20).....	3,009.84	131.94
23 05 29 00-0387	EA			24" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-24).....	3,786.11	138.53
23 05 29 00-0388 Pipe Alignment Guide, 2-1/2" Insulation (23 05 29 00-0327)						
23 05 29 00-0389	EA			1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1/2).....	435.27	18.03
23 05 29 00-0390	EA			3/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3/4).....	459.35	18.47
23 05 29 00-0391	EA			1" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1).....	460.22	18.91
23 05 29 00-0392	EA			1-1/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/4).....	461.10	19.35
23 05 29 00-0393	EA			1-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/2).....	461.98	19.79
23 05 29 00-0394	EA			2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2).....	465.49	21.55
23 05 29 00-0395	EA			2-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2-1/2).....	467.48	22.54
23 05 29 00-0396	EA			3" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3).....	534.39	23.09
23 05 29 00-0397	EA			4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-4).....	536.60	24.19
23 05 29 00-0398	EA			5" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-5).....	603.81	30.79
23 05 29 00-0399	EA			6" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-6).....	617.88	37.82
23 05 29 00-0400	EA			8" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-8).....	1,150.06	47.28
23 05 29 00-0401	EA			10" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-10).....	1,738.32	56.73
23 05 29 00-0402	EA			12" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-12).....	2,148.23	75.64
23 05 29 00-0403	EA			14" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-14).....	2,186.42	94.55
23 05 29 00-0404	EA			16" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-16).....	2,629.20	106.42
23 05 29 00-0405	EA			18" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-18).....	2,835.98	118.31
23 05 29 00-0406	EA			20" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-20).....	3,016.44	135.23
23 05 29 00-0407	EA			24" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-24).....	3,793.16	142.05
23 05 29 00-0408 Pipe Alignment Guide, 3" Insulation (23 05 29 00-0327)						
23 05 29 00-0409	EA			1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1/2).....	459.35	18.47
23 05 29 00-0410	EA			3/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3/4).....	460.22	18.91
23 05 29 00-0411	EA			1" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1).....	461.10	19.35
23 05 29 00-0412	EA			1-1/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/4).....	461.98	19.79
23 05 29 00-0413	EA			1-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/2).....	462.86	20.23
23 05 29 00-0414	EA			2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2).....	532.20	21.99
23 05 29 00-0415	EA			2-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2-1/2).....	534.39	23.09
23 05 29 00-0416	EA			3" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3).....	535.72	23.75
23 05 29 00-0417	EA			4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-4).....	591.84	24.80
23 05 29 00-0418	EA			5" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-5).....	605.57	31.66
23 05 29 00-0419	EA			6" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-6).....	679.48	38.70
23 05 29 00-0420	EA			8" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-8).....	1,152.26	48.38
23 05 29 00-0421	EA			10" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-10).....	1,740.95	58.06
23 05 29 00-0422	EA			12" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-12).....	2,151.74	77.41
23 05 29 00-0423	EA			14" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-14).....	2,190.82	96.75
23 05 29 00-0424	EA			16" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-16).....	2,634.47	109.07
23 05 29 00-0425	EA			18" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-18).....	2,841.27	120.94
23 05 29 00-0426	EA			20" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-20).....	3,023.03	138.53
23 05 29 00-0427	EA			24" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-24).....	3,800.19	145.57
23 05 29 00-0428 Pipe Alignment Guide, 3-1/2" Insulation (23 05 29 00-0327)						
23 05 29 00-0429	EA			1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1/2).....	460.22	18.91
23 05 29 00-0430	EA			3/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3/4).....	526.92	19.35
23 05 29 00-0431	EA			1" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1).....	527.80	19.79
23 05 29 00-0432	EA			1-1/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/4).....	528.68	20.23
23 05 29 00-0433	EA			1-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/2).....	529.56	20.67
23 05 29 00-0434	EA			2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2).....	533.30	22.54
23 05 29 00-0435	EA			2-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2-1/2).....	535.54	23.67
23 05 29 00-0436	EA			3" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3).....	590.93	24.34
23 05 29 00-0437	EA			4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-4).....	593.25	25.51
23 05 29 00-0438	EA			5" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-5).....	667.16	32.54
23 05 29 00-0439	EA			6" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-6).....	1,134.68	39.58
23 05 29 00-0440	EA			8" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-8).....	1,723.80	49.47
23 05 29 00-0441	EA			10" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-10).....	2,116.32	59.51
23 05 29 00-0442	EA			12" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-12).....	2,574.66	79.17
23 05 29 00-0443	EA			14" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-14).....	2,614.69	99.17
23 05 29 00-0444	EA			16" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-16).....	2,831.42	111.71
23 05 29 00-0445	EA			18" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-18).....	2,994.01	124.02
23 05 29 00-0446	EA			20" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-20).....	3,792.27	141.61
23 05 29 00-0447 Pipe Alignment Guide, 4" Insulation (23 05 29 00-0327)						
23 05 29 00-0448	EA			1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1/2).....	526.92	19.35
23 05 29 00-0449	EA			3/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3/4).....	527.80	19.79
23 05 29 00-0450	EA			1" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1).....	528.68	20.23
23 05 29 00-0451	EA			1-1/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/4).....	529.56	20.67
23 05 29 00-0452	EA			1-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/2).....	530.44	21.11

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0453 EA 2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2).....	588.41	23.09
23 05 29 00-0454 EA 2-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2-1/2).....	590.62	24.19
23 05 29 00-0455 EA 3" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3).....	592.12	24.93
23 05 29 00-0456 EA 4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-4).....	654.40	26.17
23 05 29 00-0457 EA 5" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-5).....	1,122.36	33.43
23 05 29 00-0458 EA 6" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-6).....	1,136.43	40.46
23 05 29 00-0459 EA 8" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-8).....	1,726.00	50.57
23 05 29 00-0460 EA 10" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-10).....	2,119.57	61.13
23 05 29 00-0461 EA 12" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-12).....	2,578.62	81.14
23 05 29 00-0462 EA 14" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-14).....	2,801.68	101.15
23 05 29 00-0463 EA 16" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-16).....	2,974.65	114.34
23 05 29 00-0464 EA 18" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-18).....	3,764.13	127.53
23 05 29 00-0465 Sway Bracing For No Hub Pipe (23 05 29 00-0001)		
23 05 29 00-0466 EA 1-1/2" Sway Bracing.....	101.87	11.61
For Work In Restricted Working Space, Add	6.94	
23 05 29 00-0467 EA 2" Sway Bracing.....	105.04	12.23
For Work In Restricted Working Space, Add	7.33	
23 05 29 00-0468 EA 3" Sway Bracing.....	108.87	12.93
For Work In Restricted Working Space, Add	7.76	
23 05 29 00-0469 EA 4" Sway Bracing.....	123.57	14.69
For Work In Restricted Working Space, Add	8.80	
23 05 29 00-0470 EA 6" Sway Bracing.....	181.42	21.99
For Work In Restricted Working Space, Add	13.19	
23 05 29 00-0471 EA 8" Sway Bracing.....	201.76	27.44
For Work In Restricted Working Space, Add	16.49	
23 05 29 00-0472 EA 10" Sway Bracing.....	228.85	36.68
For Work In Restricted Working Space, Add	21.99	
23 05 29 00-0473 Pipe Stand With Adjustable Saddle (Cooper B-Line B3088T-18 Base, B3093 Adjustable Pipe Saddle) (23 05 29 00-0001)		
Note: Heights listed is total for base and adjustable saddle		
23 05 29 00-0474 EA 23" to 28" High Pipe Stand With Adjustable Saddle For 1-1/4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	162.00	8.79
For Work In Restricted Working Space, Add	5.28	
23 05 29 00-0475 EA 24" to 29" High Pipe Stand With Adjustable Saddle For 1-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	166.03	9.68
For Work In Restricted Working Space, Add	5.81	
23 05 29 00-0476 EA 24" to 29" High Pipe Stand With Adjustable Saddle For 2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	311.92	11.00
For Work In Restricted Working Space, Add	6.60	
23 05 29 00-0477 EA 24" to 29" High Pipe Stand With Adjustable Saddle For 2-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	385.19	12.32
For Work In Restricted Working Space, Add	7.39	
23 05 29 00-0478 EA 24" to 29" High Pipe Stand With Adjustable Saddle For 3" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	390.93	13.63
For Work In Restricted Working Space, Add	8.18	
23 05 29 00-0479 EA 25" to 29" High Pipe Stand With Adjustable Saddle For 3-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	428.55	15.39
For Work In Restricted Working Space, Add	9.24	
23 05 29 00-0480 EA 25" to 30" High Pipe Stand With Adjustable Saddle For 4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	512.25	16.71
For Work In Restricted Working Space, Add	10.03	
23 05 29 00-0481 EA 25" to 30" High Pipe Stand With Adjustable Saddle For 5" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	518.97	18.03
For Work In Restricted Working Space, Add	10.82	
23 05 29 00-0482 EA 26" to 31" High Pipe Stand With Adjustable Saddle For 6" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	527.64	19.79
For Work In Restricted Working Space, Add	11.87	
23 05 29 00-0483 EA 28" to 33" High Pipe Stand With Adjustable Saddle For 8" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	549.31	21.55
For Work In Restricted Working Space, Add	12.93	
23 05 29 00-0484 EA 29" to 34" High Pipe Stand With Adjustable Saddle For 10" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	587.41	23.75
For Work In Restricted Working Space, Add	14.25	
23 05 29 00-0485 EA 30" to 35" High Pipe Stand With Adjustable Saddle For 12" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	605.92	26.39
For Work In Restricted Working Space, Add	15.83	
23 05 29 00-0486 EA 32" to 37" High Pipe Stand With Adjustable Saddle For 14" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	736.85	29.03
For Work In Restricted Working Space, Add	17.42	
23 05 29 00-0487 EA 33" to 38" High Pipe Stand With Adjustable Saddle For 16" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	801.86	32.54
For Work In Restricted Working Space, Add	19.53	
23 05 29 00-0488 EA 35" to 40" High Pipe Stand With Adjustable Saddle For 18" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	1,129.93	36.06
For Work In Restricted Working Space, Add	21.64	
23 05 29 00-0489 EA 36" to 41" High Pipe Stand With Adjustable Saddle For 20" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	1,377.15	39.58
For Work In Restricted Working Space, Add	23.75	



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0490	EA	39" to 44" High Pipe Stand With Adjustable Saddle For 24" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	1,640.02	43.09
		<i>For Work In Restricted Working Space, Add</i>	25.86	
23 05 29 00-0491		Channel Mounted Cushion Clamp (23 05 29 00-0001) Note: Includes fastening into channel.		
23 05 29 00-0492	EA	1/2" Channel Mounted Cushion Clamp For 3/8" Pipe (Cooper B-Line BVT050).....	11.93	3.95
23 05 29 00-0493	EA	5/8" Channel Mounted Cushion Clamp For 1/2" Pipe (Cooper B-Line BVT062).....	12.56	4.40
23 05 29 00-0494	EA	7/8" Channel Mounted Cushion Clamp For 3/4" Pipe (Cooper B-Line BVT087).....	14.23	4.62
23 05 29 00-0495	EA	1-1/8" Channel Mounted Cushion Clamp For 1" Pipe (Cooper B-Line BVT112).....	15.36	4.84
23 05 29 00-0496	EA	1-3/8" Channel Mounted Cushion Clamp For 1-1/4" Pipe (Cooper B-Line BVT137).....	17.29	5.27
23 05 29 00-0497	EA	1-5/8" Channel Mounted Cushion Clamp For 1-1/2" Pipe (Cooper B-Line BVT162).....	19.80	5.49
23 05 29 00-0498	EA	2-1/8" Channel Mounted Cushion Clamp For 2" Pipe (Cooper B-Line BVT212).....	26.47	5.72
23 05 29 00-0499	EA	2-5/8" Channel Mounted Cushion Clamp For 2-1/2" Pipe (Cooper B-Line BVT262).....	29.48	6.16
23 05 29 00-0500	EA	3-1/8" Channel Mounted Cushion Clamp For 3" Pipe (Cooper B-Line BVT312).....	36.87	7.03
23 05 29 00-0501	EA	4-1/8" Channel Mounted Cushion Clamp For 4" Pipe (Cooper B-Line BVT412).....	59.16	7.92
23 05 29 00-0502		Galvanized Steel Cushion Tube Clamp (KMC) (23 05 29 00-0001) Note: Excludes fastening bolt and drilling if necessary.		
23 05 29 00-0503	EA	1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/8" Pipe.....	3.17	
		Note: 19/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0504	EA	1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/8" Pipe.....	3.24	
		Note: 23/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0505	EA	5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1/2" Pipe.....	3.29	
		Note: 23/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0506	EA	5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1/2" Pipe.....	3.42	
		Note: 27/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0507	EA	7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/4" Pipe.....	3.27	
		Note: 27/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0508	EA	7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/4" Pipe.....	3.49	
		Note: 31/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0509	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1" Pipe.....	3.35	
		Note: 31/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0510	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1" Pipe.....	3.63	
		Note: 1-1/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0511	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1" Pipe.....	3.64	
		Note: 1-5/32" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0512	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/4" Pipe.....	3.48	
		Note: 1-3/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0513	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/4" Pipe.....	3.60	
		Note: 1-7/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0514	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/4" Pipe.....	3.99	
		Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0515	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/2" Pipe.....	3.61	
		Note: 1-5/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0516	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/2" Pipe.....	3.86	
		Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0517	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/2" Pipe.....	4.27	
		Note: 1-13/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0518	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2" Pipe.....	4.31	
		Note: 1-7/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0519	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2" Pipe.....	4.53	
		Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0520	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2" Pipe.....	4.98	
		Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0521	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2-1/2" Pipe.....	5.12	
		Note: 1-11/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0522	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2-1/2" Pipe.....	5.79	
		Note: 1-13/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0523	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2-1/2" Pipe.....	5.84	
		Note: 1-15/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0524	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3" Pipe.....	5.25	
		Note: 1-15/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0525	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3" Pipe.....	5.79	
		Note: 2-1/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0526	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3" Pipe.....	6.11	
		Note: 2-3/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0527	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3-1/2" Pipe.....	5.43	
		Note: 2-3/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0528	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3-1/2" Pipe.....	5.75	
		Note: 2-5/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0529	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3-1/2" Pipe.....	7.00	
		Note: 2-7/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0530	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 4" Pipe.....	5.39	
		Note: 2-7/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0531	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 4" Pipe.....	5.86	
		Note: 2-9/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0532	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 4" Pipe.....	7.27	
		Note: 2-11/16" Center To Center Length, 17/32" Hole Diameter For Screw		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 29 00-0533		Rooftop Pipe Supports <small>(23 05 29 00-0001)</small> Note: Excludes pipe/conduit clamps and straps.		
23 05 29 00-0534		Rooftop Support Base <small>(23 05 29 00-0533)</small>		
23 05 29 00-0535	EA	4" x 6" x 4.8" Rooftop Support Base (Cooper B-Line Dura-Blok DBM)	30.13	7.17
23 05 29 00-0536	EA	4" x 6" x 9.6" Rooftop Support Base (Cooper B-Line Dura-Blok DBP)	41.90	9.55
23 05 29 00-0537		Rooftop Support Base With 14 Gauge Galvanized Channel <small>(23 05 29 00-0533)</small>		
23 05 29 00-0538	EA	5" x 6" x 4.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB5)	34.06	7.17
23 05 29 00-0539	EA	5" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10)	48.29	9.55
23 05 29 00-0540	EA	5" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB20)	88.16	11.95
23 05 29 00-0541	EA	5" x 6" x 30.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB30)	121.45	14.33
23 05 29 00-0542	EA	5" x 6" x 41.4" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB40)	167.64	16.73
23 05 29 00-0543	EA	5" x 6" x 52" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB48)	177.06	19.11
23 05 29 00-0544		Rooftop Support Base With 12 Gauge Galvanized Channel <small>(23 05 29 00-0533)</small>		
23 05 29 00-0545	EA	6-7/16" x 6" x 9.6" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB610)	58.73	9.55
23 05 29 00-0546	EA	6-7/16" x 6" x 20.2" Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB620)	92.82	11.95
23 05 29 00-0547	EA	6-7/16" x 6" x 30.8" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB630)	123.32	14.33
23 05 29 00-0548	EA	6-7/16" x 6" x 41.4" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB640)	167.74	16.73
23 05 29 00-0549	EA	6-7/16" x 6" x 52" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB648)	187.91	14.33
23 05 29 00-0550		Rooftop Bridge Support Base With 12 Gauge Galvanized Channel <small>(23 05 29 00-0533)</small>		
23 05 29 00-0551	EA	5-5/8" x 6" x 28" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-28)	98.07	14.33
23 05 29 00-0552	EA	5-5/8" x 6" x 36" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-36)	111.77	16.73
23 05 29 00-0553	EA	5-5/8" x 6" x 42" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-42)	116.51	19.11
23 05 29 00-0554	EA	5-5/8" x 6" x 50" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-50)	127.64	21.50
23 05 29 00-0555	EA	5-5/8" x 6" x 60" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-60)	162.70	23.89
23 05 29 00-0556		Rooftop Pipe Support Base And Rod <small>(23 05 29 00-0533)</small>		
23 05 29 00-0557	EA	9.69" To 11.19" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1/2CT)	71.10	9.55
23 05 29 00-0558	EA	9.84" To 11.34" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-3/4CT)	71.10	9.55
23 05 29 00-0559	EA	9.95" To 11.45" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1CT)	71.49	9.55
23 05 29 00-0560	EA	10.13" To 11.63" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/4CT)	76.67	11.95
23 05 29 00-0561	EA	10.28" To 11.78" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/2CT)	73.81	11.95
23 05 29 00-0562	EA	10.53" To 12.03" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-2CT)	77.48	11.95
23 05 29 00-0563		Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly <small>(23 05 29 00-0533)</small>		
23 05 29 00-0564	EA	7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR2-3 1/2)	89.81	9.55
23 05 29 00-0565	EA	7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR4-6)	100.07	9.55
23 05 29 00-0566	EA	8.34" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR8-10)	131.08	11.95
23 05 29 00-0567	EA	9.38" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR12-14)	173.02	11.95
23 05 29 00-0568	EA	9.78" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR16-20)	235.30	11.95
23 05 29 00-0569		Rooftop Support Base And Adjustable Height Roller Assembly <small>(23 05 29 00-0533)</small> Note: Includes base, two zinc all threaded rod risers and pipe roller.		
23 05 29 00-0570	EA	Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Roller Assembly (Cooper B-Line Dura-Blok DBR10-12)	112.29	14.33
23 05 29 00-0571		Rooftop Support Base And Adjustable Height Channel Assembly <small>(23 05 29 00-0533)</small> Note: Includes base, two zinc all threaded rod and 14 gauge slotted channel.		
23 05 29 00-0572	EA	Up To 8" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-8)	74.00	11.95
23 05 29 00-0573	EA	Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-12)	100.56	14.33
23 05 29 00-0574	EA	Up To 16" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-16)	112.25	16.73
23 05 29 00-0575		Rooftop Support Bases With Channel Support And Risers Assembly <small>(23 05 29 00-0533)</small> Note: Includes two support bases, two 12 gauge galvanized channel risers and one 12 gauge galvanized channel support. Dimensions are "overall" (height x width x length).		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0576 EA 23" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2318DS)	267.88	19.11
23 05 29 00-0577 EA 29" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2918DS)	270.83	19.11
23 05 29 00-0578 EA 41" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4118DS)	281.19	19.11
23 05 29 00-0579 EA 53" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5318DS)	304.96	19.11
23 05 29 00-0580 EA 23" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2324DS)	262.61	19.11
23 05 29 00-0581 EA 29" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2924DS)	272.52	19.11
23 05 29 00-0582 EA 41" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4124DS)	282.87	19.11
23 05 29 00-0583 EA 53" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5324DS)	306.63	19.11
23 05 29 00-0584 EA 23" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2336DS)	274.38	19.11
23 05 29 00-0585 EA 29" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2936DS)	277.84	19.11
23 05 29 00-0586 EA 41" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4136DS)	288.00	19.11
23 05 29 00-0587 EA 53" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5336DS)	311.86	19.11
23 05 29 00-0588 EA 23" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2348DS)	286.42	19.11
23 05 29 00-0589 EA 29" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2948DS)	289.57	19.11
23 05 29 00-0590 EA 41" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4148DS)	299.73	19.11
23 05 29 00-0591 EA 53" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5348DS)	323.59	19.11
23 05 29 00-0592	Threaded Rod, Accessories And Attachments (23 05 29)	
23 05 29 00-0593	Threaded Rod And Rod Accessories (23 05 29 00-0592)	
23 05 29 00-0594	Threaded Rod (23 05 29 00-0593)	
	Note: Fully threaded.	
23 05 29 00-0595 LF 3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.79	0.60
	<i>For Galvanized, Add</i>	0.64
	<i>For Zinc Plated, Add</i>	0.45
	<i>For Work In Restricted Working Space, Add</i>	0.36
23 05 29 00-0596 LF 1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.80	0.64
	<i>For Galvanized, Add</i>	1.01
	<i>For Zinc Plated, Add</i>	0.72
	<i>For Work In Restricted Working Space, Add</i>	0.38
23 05 29 00-0597 LF 5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.19	0.64
	<i>For Galvanized, Add</i>	1.56
	<i>For Zinc Plated, Add</i>	1.11
	<i>For Work In Restricted Working Space, Add</i>	0.38
23 05 29 00-0598 LF 3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	8.43	0.65
	<i>For Galvanized, Add</i>	2.84
	<i>For Zinc Plated, Add</i>	2.03
	<i>For Work In Restricted Working Space, Add</i>	0.40
23 05 29 00-0599 LF 7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	9.18	0.68
	<i>For Galvanized, Add</i>	3.13
	<i>For Zinc Plated, Add</i>	2.23
	<i>For Work In Restricted Working Space, Add</i>	0.41
23 05 29 00-0600 LF 1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	12.51	0.76
	<i>For Galvanized, Add</i>	4.39
	<i>For Zinc Plated, Add</i>	3.13
	<i>For Work In Restricted Working Space, Add</i>	0.46
23 05 29 00-0601 LF 1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	15.55	0.86
	<i>For Galvanized, Add</i>	5.54
	<i>For Zinc Plated, Add</i>	3.94
	<i>For Work In Restricted Working Space, Add</i>	0.51
23 05 29 00-0602	Rod Couplings (23 05 29 00-0593)	
23 05 29 00-0603 EA 3/8" Diameter, Threaded Rod Coupling Nut	7.22	
	<i>For Work In Restricted Working Space, Add</i>	1.76
23 05 29 00-0604 EA 1/2" Diameter, Threaded Rod Coupling Nut	8.20	
	<i>For Work In Restricted Working Space, Add</i>	1.95
23 05 29 00-0605 EA 5/8" Diameter, Threaded Rod Coupling Nut	10.10	
	<i>For Work In Restricted Working Space, Add</i>	2.13
23 05 29 00-0606 EA 3/4" Diameter, Threaded Rod Coupling Nut	12.44	
	<i>For Work In Restricted Working Space, Add</i>	2.33
23 05 29 00-0607 EA 7/8" Diameter, Threaded Rod Coupling Nut	18.60	
	<i>For Work In Restricted Working Space, Add</i>	2.56
23 05 29 00-0608 EA 1" Diameter, Threaded Rod Coupling Nut	22.08	
	<i>For Work In Restricted Working Space, Add</i>	3.01
23 05 29 00-0609 EA 1-1/8" Diameter, Threaded Rod Coupling Nut	43.25	
	<i>For Work In Restricted Working Space, Add</i>	3.41

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0610 Flat Washers (23 05 29 00-0593) Note: Zinc plated.		
23 05 29 00-0611 EA 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.52	0.19
For Galvanized, Add	0.03	
For Work In Restricted Working Space, Add	0.12	
23 05 29 00-0612 EA 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.71	0.19
For Galvanized, Add	0.07	
For Work In Restricted Working Space, Add	0.14	
23 05 29 00-0613 EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.00	0.28
For Galvanized, Add	0.12	
For Work In Restricted Working Space, Add	0.15	
23 05 29 00-0614 EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.37	0.28
For Galvanized, Add	0.18	
For Work In Restricted Working Space, Add	0.20	
23 05 29 00-0615 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.61	0.37
For Galvanized, Add	0.21	
For Work In Restricted Working Space, Add	0.23	
23 05 29 00-0616 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.89	0.37
For Galvanized, Add	0.26	
For Work In Restricted Working Space, Add	0.26	
23 05 29 00-0617 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.14	0.46
For Galvanized, Add	0.29	
For Work In Restricted Working Space, Add	0.29	
23 05 29 00-0618 Hex Nuts (23 05 29 00-0593) Note: Grade 2 and zinc plated.		
23 05 29 00-0619 EA 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.64	0.24
For Galvanized, Add	0.03	
For Work In Restricted Working Space, Add	0.16	
23 05 29 00-0620 EA 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.80	0.23
For Galvanized, Add	0.06	
For Work In Restricted Working Space, Add	0.17	
23 05 29 00-0621 EA 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.10	0.23
For Galvanized, Add	0.12	
For Work In Restricted Working Space, Add	0.18	
23 05 29 00-0622 EA 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.30	0.46
For Galvanized, Add	0.17	
For Work In Restricted Working Space, Add	0.19	
23 05 29 00-0623 EA 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.93	0.46
For Galvanized, Add	0.31	
For Work In Restricted Working Space, Add	0.20	
23 05 29 00-0624 EA 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.46	0.46
For Galvanized, Add	0.42	
For Work In Restricted Working Space, Add	0.23	
23 05 29 00-0625 EA 1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	4.06	0.46
For Galvanized, Add	0.80	
For Work In Restricted Working Space, Add	0.26	
23 05 29 00-0626 Turnbuckle (Cooper B-Line B3202) (23 05 29 00-0593) Note: Type 13.		
23 05 29 00-0627 EA 3/8" Turnbuckle (Cooper B-Line B3202)	28.84	4.78
For Work In Restricted Working Space, Add	2.87	
23 05 29 00-0628 EA 1/2" Turnbuckle (Cooper B-Line B3202)	34.60	5.26
For Work In Restricted Working Space, Add	3.19	
23 05 29 00-0629 EA 5/8" Turnbuckle (Cooper B-Line B3202)	36.65	5.55
For Work In Restricted Working Space, Add	3.47	
23 05 29 00-0630 EA 3/4" Turnbuckle (Cooper B-Line B3202)	46.81	6.48
For Work In Restricted Working Space, Add	3.97	
23 05 29 00-0631 EA 7/8" Turnbuckle (Cooper B-Line B3202)	61.47	6.94
For Work In Restricted Working Space, Add	4.63	
23 05 29 00-0632 EA 1" Turnbuckle (Cooper B-Line B3202)	76.63	7.41
For Work In Restricted Working Space, Add	5.56	
23 05 29 00-0633 EA 1-1/8" Turnbuckle (Cooper B-Line B3202)	107.62	8.33
For Work In Restricted Working Space, Add	6.95	
23 05 29 00-0634 Swivel Turnbuckle (Cooper B-Line B3224) (23 05 29 00-0593) Note: Type 15.		
23 05 29 00-0635 EA 3/8" Swivel Turnbuckle (Cooper B-Line B3224)	16.65	4.78
For Work In Restricted Working Space, Add	2.87	
23 05 29 00-0636 EA 1/2" Swivel Turnbuckle (Cooper B-Line B3224)	19.48	5.35
For Work In Restricted Working Space, Add	3.19	
23 05 29 00-0637 EA 5/8" Swivel Turnbuckle (Cooper B-Line B3224)	26.43	5.75
For Work In Restricted Working Space, Add	3.47	
23 05 29 00-0638 EA 3/4" Swivel Turnbuckle (Cooper B-Line B3224)	32.34	6.57
For Work In Restricted Working Space, Add	3.97	
23 05 29 00-0639 Forged Steel Clevis (Cooper B-Line B3201) (23 05 29 00-0593) Note: Type 14.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0640 EA 3-9/16" Forged Steel Clevis With Pin, 3/8" To 5/8" Rod Size (Cooper B-Line B3201).....	102.72	8.79
<i>For Work In Restricted Working Space, Add</i>	5.28	
23 05 29 00-0641 EA 4" Forged Steel Clevis With Pin, 3/4" To 7/8" Rod Size (Cooper B-Line B3201).....	154.98	9.24
<i>For Work In Restricted Working Space, Add</i>	5.55	
23 05 29 00-0642 EA 5-1/16" Forged Steel Clevis With Pin, 1" Rod Size (Cooper B-Line B3201).....	167.86	9.68
<i>For Work In Restricted Working Space, Add</i>	5.87	
23 05 29 00-0643 EA 5-1/16" Forged Steel Clevis With Pin, 1-1/8" Rod Size (Cooper B-Line B3201).....	174.64	10.55
<i>For Work In Restricted Working Space, Add</i>	6.21	
23 05 29 00-0644 EA 5-1/16" Forged Steel Clevis With Pin, 1-1/4" Rod Size (Cooper B-Line B3201).....	183.02	11.87
<i>For Work In Restricted Working Space, Add</i>	7.04	
23 05 29 00-0645 EA 6" Forged Steel Clevis With Pin, 1-1/2" Rod Size (Cooper B-Line B3201).....	308.85	15.39
<i>For Work In Restricted Working Space, Add</i>	9.24	
23 05 29 00-0646 EA 5-15/16" Forged Steel Clevis With Pin, 1-3/4" Rod Size (Cooper B-Line B3201).....	334.39	17.59
<i>For Work In Restricted Working Space, Add</i>	10.56	
23 05 29 00-0647 EA 7" Forged Steel Clevis With Pin, 2" Rod Size (Cooper B-Line B3201).....	393.04	21.99
<i>For Work In Restricted Working Space, Add</i>	13.19	
23 05 29 00-0648 Welded Eye Rod (Cooper B-Line B3211) <small>(23 05 29 00-0593)</small>		
23 05 29 00-0649 EA 3/8" Diameter x 8" Length Shank, Welded Eye Rod.....	28.29	5.16
<i>For Work In Restricted Working Space, Add</i>	3.11	
23 05 29 00-0650 EA 3/8" Diameter x 10" Length Shank, Welded Eye Rod.....	29.26	5.26
<i>For Work In Restricted Working Space, Add</i>	3.17	
23 05 29 00-0651 EA 3/8" Diameter x 12" Length Shank, Welded Eye Rod.....	30.23	5.35
<i>For Work In Restricted Working Space, Add</i>	3.23	
23 05 29 00-0652 EA 3/8" Diameter x 14" Length Shank, Welded Eye Rod.....	30.43	5.45
<i>For Work In Restricted Working Space, Add</i>	3.29	
23 05 29 00-0653 EA 3/8" Diameter x 18" Length Shank, Welded Eye Rod.....	32.38	5.64
<i>For Work In Restricted Working Space, Add</i>	3.41	
23 05 29 00-0654 EA 3/8" Diameter x 24" Length Shank, Welded Eye Rod.....	34.56	6.02
<i>For Work In Restricted Working Space, Add</i>	3.59	
23 05 29 00-0655 EA 3/8" Diameter x 30" Length Shank, Welded Eye Rod.....	35.91	6.31
<i>For Work In Restricted Working Space, Add</i>	3.76	
23 05 29 00-0656 EA 3/8" Diameter x 36" Length Shank, Welded Eye Rod.....	38.86	6.60
<i>For Work In Restricted Working Space, Add</i>	3.94	
23 05 29 00-0657 EA 3/8" Diameter x 42" Length Shank, Welded Eye Rod.....	41.01	6.88
<i>For Work In Restricted Working Space, Add</i>	4.12	
23 05 29 00-0658 EA 3/8" Diameter x 48" Length Shank, Welded Eye Rod.....	43.17	7.17
<i>For Work In Restricted Working Space, Add</i>	4.30	
23 05 29 00-0659 EA 1/2" Diameter x 8" Length Shank, Welded Eye Rod.....	38.37	5.55
<i>For Work In Restricted Working Space, Add</i>	3.33	
23 05 29 00-0660 EA 1/2" Diameter x 10" Length Shank, Welded Eye Rod.....	39.34	5.65
<i>For Work In Restricted Working Space, Add</i>	3.39	
23 05 29 00-0661 EA 1/2" Diameter x 12" Length Shank, Welded Eye Rod.....	40.35	5.75
<i>For Work In Restricted Working Space, Add</i>	3.45	
23 05 29 00-0662 EA 1/2" Diameter x 14" Length Shank, Welded Eye Rod.....	41.33	5.84
<i>For Work In Restricted Working Space, Add</i>	3.51	
23 05 29 00-0663 EA 1/2" Diameter x 18" Length Shank, Welded Eye Rod.....	43.30	6.02
<i>For Work In Restricted Working Space, Add</i>	3.64	
23 05 29 00-0664 EA 1/2" Diameter x 24" Length Shank, Welded Eye Rod.....	47.02	6.39
<i>For Work In Restricted Working Space, Add</i>	3.82	
23 05 29 00-0665 EA 1/2" Diameter x 30" Length Shank, Welded Eye Rod.....	49.99	6.67
<i>For Work In Restricted Working Space, Add</i>	4.01	
23 05 29 00-0666 EA 1/2" Diameter x 36" Length Shank, Welded Eye Rod.....	53.72	6.94
<i>For Work In Restricted Working Space, Add</i>	4.19	
23 05 29 00-0667 EA 1/2" Diameter x 42" Length Shank, Welded Eye Rod.....	56.64	7.32
<i>For Work In Restricted Working Space, Add</i>	4.38	
23 05 29 00-0668 EA 1/2" Diameter x 48" Length Shank, Welded Eye Rod.....	59.62	7.60
<i>For Work In Restricted Working Space, Add</i>	4.56	
23 05 29 00-0669 EA 5/8" Diameter x 8" Length Shank, Welded Eye Rod.....	52.95	6.21
<i>For Work In Restricted Working Space, Add</i>	3.73	
23 05 29 00-0670 EA 5/8" Diameter x 10" Length Shank, Welded Eye Rod.....	54.69	6.30
<i>For Work In Restricted Working Space, Add</i>	3.79	
23 05 29 00-0671 EA 5/8" Diameter x 12" Length Shank, Welded Eye Rod.....	56.48	6.39
<i>For Work In Restricted Working Space, Add</i>	3.86	
23 05 29 00-0672 EA 5/8" Diameter x 14" Length Shank, Welded Eye Rod.....	57.47	6.57
<i>For Work In Restricted Working Space, Add</i>	3.92	
23 05 29 00-0673 EA 5/8" Diameter x 18" Length Shank, Welded Eye Rod.....	60.24	6.76
<i>For Work In Restricted Working Space, Add</i>	4.05	
23 05 29 00-0674 EA 5/8" Diameter x 24" Length Shank, Welded Eye Rod.....	64.78	7.03
<i>For Work In Restricted Working Space, Add</i>	4.24	
23 05 29 00-0675 EA 5/8" Diameter x 30" Length Shank, Welded Eye Rod.....	69.30	7.41
<i>For Work In Restricted Working Space, Add</i>	4.43	
23 05 29 00-0676 EA 5/8" Diameter x 36" Length Shank, Welded Eye Rod.....	73.05	7.69
<i>For Work In Restricted Working Space, Add</i>	4.62	
23 05 29 00-0677 EA 5/8" Diameter x 42" Length Shank, Welded Eye Rod.....	77.59	8.06
<i>For Work In Restricted Working Space, Add</i>	4.82	
23 05 29 00-0678 EA 5/8" Diameter x 48" Length Shank, Welded Eye Rod.....	82.10	8.33
<i>For Work In Restricted Working Space, Add</i>	5.00	
23 05 29 00-0679 EA 3/4" Diameter x 8" Length Shank, Welded Eye Rod.....	65.52	7.03
<i>For Work In Restricted Working Space, Add</i>	4.24	
23 05 29 00-0680 EA 3/4" Diameter x 10" Length Shank, Welded Eye Rod.....	68.10	7.13
<i>For Work In Restricted Working Space, Add</i>	4.30	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0681 EA 3/4" Diameter x 12" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	69.87 4.37	7.32
23 05 29 00-0682 EA 3/4" Diameter x 14" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	72.42 4.43	7.41
23 05 29 00-0683 EA 3/4" Diameter x 18" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	76.76 4.57	7.60
23 05 29 00-0684 EA 3/4" Diameter x 24" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	82.85 4.76	7.96
23 05 29 00-0685 EA 3/4" Diameter x 30" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	88.96 4.96	8.24
23 05 29 00-0686 EA 3/4" Diameter x 36" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	95.86 5.16	8.61
23 05 29 00-0687 EA 3/4" Diameter x 42" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	102.72 5.35	8.89
23 05 29 00-0688 EA 3/4" Diameter x 48" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	108.85 5.55	9.26
23 05 29 00-0689 EA 7/8" Diameter x 8" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	78.69 4.91	8.15
23 05 29 00-0690 EA 7/8" Diameter x 10" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	82.02 4.98	8.33
23 05 29 00-0691 EA 7/8" Diameter x 12" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	84.61 5.05	8.42
23 05 29 00-0692 EA 7/8" Diameter x 14" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	87.16 5.12	8.52
23 05 29 00-0693 EA 7/8" Diameter x 18" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	92.31 5.26	8.80
23 05 29 00-0694 EA 7/8" Diameter x 24" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	100.76 5.46	9.08
23 05 29 00-0695 EA 7/8" Diameter x 30" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	108.46 5.67	9.45
23 05 29 00-0696 EA 7/8" Diameter x 36" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	116.92 5.87	9.81
23 05 29 00-0697 EA 7/8" Diameter x 42" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	124.64 6.08	10.09
23 05 29 00-0698 EA 7/8" Diameter x 48" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	132.33 6.29	10.47
23 05 29 00-0699 EA 1" Diameter x 8" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	98.99 5.87	9.81
23 05 29 00-0700 EA 1" Diameter x 10" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	102.36 5.94	9.91
23 05 29 00-0701 EA 1" Diameter x 12" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	105.75 6.02	10.00
23 05 29 00-0702 EA 1" Diameter x 14" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	109.12 6.10	10.18
23 05 29 00-0703 EA 1" Diameter x 18" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	115.84 6.25	10.47
23 05 29 00-0704 EA 1" Diameter x 24" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	125.98 6.48	10.84
23 05 29 00-0705 EA 1" Diameter x 30" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	136.11 6.71	11.21
23 05 29 00-0706 EA 1" Diameter x 36" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	146.97 6.95	11.57
23 05 29 00-0707 EA 1" Diameter x 42" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	157.09 7.18	11.94
23 05 29 00-0708 EA 1" Diameter x 48" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	167.22 7.41	12.32
23 05 29 00-0709 Welded Linked Eye Rod (Cooper B-Line B3211X) (23 05 29 00-0593)		
23 05 29 00-0710 EA 3/8" Diameter x 16" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	62.26 4.21	6.98
23 05 29 00-0711 EA 3/8" Diameter x 20" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	63.94 4.32	7.17
23 05 29 00-0712 EA 3/8" Diameter x 24" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	65.62 4.44	7.45
23 05 29 00-0713 EA 3/8" Diameter x 30" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	66.23 4.63	7.74
23 05 29 00-0714 EA 3/8" Diameter x 36" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	69.38 4.80	8.03
23 05 29 00-0715 EA 3/8" Diameter x 48" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	73.23 5.16	8.60
23 05 29 00-0716 EA 3/8" Diameter x 60" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	75.69 5.52	9.17
23 05 29 00-0717 EA 3/8" Diameter x 72" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	80.80 5.88	9.85
23 05 29 00-0718 EA 1/2" Diameter x 16" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	81.05 4.50	7.50
23 05 29 00-0719 EA 1/2" Diameter x 20" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	82.75 4.63	7.69
23 05 29 00-0720 EA 1/2" Diameter x 24" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	84.51 4.75	7.87
23 05 29 00-0721 EA 1/2" Diameter x 30" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	86.41 4.93	8.24



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0722 EA 1/2" Diameter x 36" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	89.60 5.12	8.52
23 05 29 00-0723 EA 1/2" Diameter x 48" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	96.03 5.49	9.17
23 05 29 00-0724 EA 1/2" Diameter x 60" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	101.17 5.86	9.72
23 05 29 00-0725 EA 1/2" Diameter x 72" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	107.60 6.23	10.37
23 05 29 00-0726 EA 5/8" Diameter x 16" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	110.02 5.03	8.33
23 05 29 00-0727 EA 5/8" Diameter x 20" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	113.00 5.15	8.61
23 05 29 00-0728 EA 5/8" Diameter x 24" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	116.05 5.28	8.80
23 05 29 00-0729 EA 5/8" Diameter x 30" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	117.99 5.47	9.17
23 05 29 00-0730 EA 5/8" Diameter x 36" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	122.53 5.66	9.45
23 05 29 00-0731 EA 5/8" Diameter x 48" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	130.30 6.05	10.09
23 05 29 00-0732 EA 5/8" Diameter x 60" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	138.05 6.43	10.75
23 05 29 00-0733 EA 5/8" Diameter x 72" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	144.51 6.81	11.39
23 05 29 00-0734 EA 3/4" Diameter x 16" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	140.11 5.69	9.45
23 05 29 00-0735 EA 3/4" Diameter x 20" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	144.49 5.82	9.72
23 05 29 00-0736 EA 3/4" Diameter x 24" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	147.49 5.95	9.91
23 05 29 00-0737 EA 3/4" Diameter x 30" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	152.04 6.15	10.28
23 05 29 00-0738 EA 3/4" Diameter x 36" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	159.20 6.35	10.56
23 05 29 00-0739 EA 3/4" Diameter x 48" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	169.58 6.74	11.21
23 05 29 00-0740 EA 3/4" Diameter x 60" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	179.97 7.14	11.85
23 05 29 00-0741 EA 3/4" Diameter x 72" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	191.70 7.53	12.60
23 05 29 00-0742 EA 7/8" Diameter x 16" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	168.69 6.58	10.93
23 05 29 00-0743 EA 7/8" Diameter x 20" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	174.35 6.72	11.21
23 05 29 00-0744 EA 7/8" Diameter x 24" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	178.70 6.85	11.39
23 05 29 00-0745 EA 7/8" Diameter x 30" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	183.27 7.06	11.76
23 05 29 00-0746 EA 7/8" Diameter x 36" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	191.78 7.27	12.14
23 05 29 00-0747 EA 7/8" Diameter x 48" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	206.11 7.68	12.78
23 05 29 00-0748 EA 7/8" Diameter x 60" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	219.15 8.09	13.52
23 05 29 00-0749 EA 7/8" Diameter x 72" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	233.49 8.50	14.17
23 05 29 00-0750 EA 1" Diameter x 16" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	215.69 7.84	13.06
23 05 29 00-0751 EA 1" Diameter x 20" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	221.42 8.00	13.33
23 05 29 00-0752 EA 1" Diameter x 24" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	227.12 8.15	13.62
23 05 29 00-0753 EA 1" Diameter x 30" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	233.10 8.38	13.99
23 05 29 00-0754 EA 1" Diameter x 36" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	244.20 8.61	14.35
23 05 29 00-0755 EA 1" Diameter x 48" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	261.36 9.08	15.09
23 05 29 00-0756 EA 1" Diameter x 60" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	278.50 9.54	15.93
23 05 29 00-0757 EA 1" Diameter x 72" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	296.84 10.00	16.66
23 05 29 00-0758 Attachments <small>(23 05 29 00-0592)</small>		
23 05 29 00-0759 Welded Beam Attachments (B-Line B-3083) <small>(23 05 29 00-0758)</small>		
<i>Note: Type 22.</i>		
23 05 29 00-0760 EA 3/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	37.07 5.34	8.90
23 05 29 00-0761 EA 1/2" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	38.97 5.45	9.06
23 05 29 00-0762 EA 5/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	41.46 5.75	9.58

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0763	EA		3/4" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	52.59	10.18
			<i>For Work In Restricted Working Space, Add</i>	6.09	
23 05 29 00-0764	EA		7/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	62.89	10.78
			<i>For Work In Restricted Working Space, Add</i>	6.47	
23 05 29 00-0765	EA		1" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	87.73	12.34
			<i>For Work In Restricted Working Space, Add</i>	7.40	
23 05 29 00-0766	EA		1-1/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	123.55	12.94
			<i>For Work In Restricted Working Space, Add</i>	7.76	
23 05 29 00-0767			C-Clamp Style Beam Clamps (B-Line B-3034) (23 05 29 00-0758)		
			Note: Type 23. Top or bottom flange mount.		
23 05 29 00-0768	EA		3/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)	14.31	4.88
			<i>For Work In Restricted Working Space, Add</i>	3.59	
23 05 29 00-0769	EA		1/2" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)	16.43	6.02
			<i>For Work In Restricted Working Space, Add</i>	3.71	
23 05 29 00-0770	EA		5/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)	18.54	6.48
			<i>For Work In Restricted Working Space, Add</i>	3.97	
23 05 29 00-0771	EA		3/4" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)	23.46	6.94
			<i>For Work In Restricted Working Space, Add</i>	4.28	
23 05 29 00-0772	EA		7/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)	33.33	7.41
			<i>For Work In Restricted Working Space, Add</i>	4.63	
23 05 29 00-0773			Bottom Mount I-Beam Clamps (B-Line B-3055) (23 05 29 00-0758)		
			Note: Type 21. For attaching threaded rod centered under beam flanges.		
23 05 29 00-0774	EA		3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055).....	36.63	6.69
			<i>For Work In Restricted Working Space, Add</i>	4.78	
23 05 29 00-0775	EA		1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055).....	52.32	8.33
			<i>For Work In Restricted Working Space, Add</i>	5.05	
23 05 29 00-0776	EA		5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055).....	74.00	9.26
			<i>For Work In Restricted Working Space, Add</i>	5.56	
23 05 29 00-0777	EA		3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055).....	88.35	10.18
			<i>For Work In Restricted Working Space, Add</i>	6.17	
23 05 29 00-0778	EA		1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055).....	210.29	11.11
			<i>For Work In Restricted Working Space, Add</i>	6.95	
23 05 29 00-0779			Steel U-Bolts (B-Line B-3188) (23 05 29 00-0758)		
			Note: Type 24. Includes plate and nuts.		
23 05 29 00-0780	EA		1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)	11.62	2.39
			<i>For Work In Restricted Working Space, Add</i>	2.87	
23 05 29 00-0781	EA		3/4" Pipe Size, Steel U-Bolt (B-Line B-3188)	12.57	2.87
			<i>For Work In Restricted Working Space, Add</i>	3.02	
23 05 29 00-0782	EA		1" Pipe Size, Steel U-Bolt (B-Line B-3188)	13.49	2.87
			<i>For Work In Restricted Working Space, Add</i>	3.19	
23 05 29 00-0783	EA		1-1/4" Pipe Size, Steel U-Bolt (B-Line B-3188)	15.20	2.87
			<i>For Work In Restricted Working Space, Add</i>	3.37	
23 05 29 00-0784	EA		1-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)	15.76	3.35
			<i>For Work In Restricted Working Space, Add</i>	3.59	
23 05 29 00-0785	EA		2" Pipe Size, Steel U-Bolt (B-Line B-3188)	16.85	3.35
			<i>For Work In Restricted Working Space, Add</i>	3.82	
23 05 29 00-0786	EA		2-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)	23.51	3.35
			<i>For Work In Restricted Working Space, Add</i>	4.10	
23 05 29 00-0787	EA		3" Pipe Size, Steel U-Bolt (B-Line B-3188)	25.86	3.82
			<i>For Work In Restricted Working Space, Add</i>	4.41	
23 05 29 00-0788	EA		4" Pipe Size, Steel U-Bolt (B-Line B-3188)	30.95	4.30
			<i>For Work In Restricted Working Space, Add</i>	4.78	
23 05 29 00-0789			Copper Standoff Brackets With Flange (23 05 29 00-0758)		
			Note: Installed in wood, concrete, concrete block or steel.		
23 05 29 00-0790	EA		Clamp Size 1/2", Copper Standoff Brackets With Flange	28.67	13.24
			<i>For Work In Restricted Working Space, Add</i>	7.94	
23 05 29 00-0791	EA		Clamp Size 3/4", Copper Standoff Brackets With Flange	28.80	13.24
			<i>For Work In Restricted Working Space, Add</i>	7.94	
23 05 29 00-0792	EA		Clamp Size 1", Copper Standoff Brackets With Flange	28.94	13.24
			<i>For Work In Restricted Working Space, Add</i>	7.94	
23 05 29 00-0793	EA		Clamp Size 1 1/4", Copper Standoff Brackets With Flange	30.82	14.08
			<i>For Work In Restricted Working Space, Add</i>	8.42	
23 05 29 00-0794	EA		Clamp Size 1 1/2", Copper Standoff Brackets With Flange	31.09	14.08
			<i>For Work In Restricted Working Space, Add</i>	8.42	
23 05 29 00-0795			Malleable Iron Eye Sockets (B-Line B-3222) (23 05 29 00-0758)		
			Note: Type 16.		
23 05 29 00-0796	EA		3/8" Rod Size, Malleable Iron Eye Socket.....	8.03	1.39
			<i>For Work In Restricted Working Space, Add</i>	0.84	
23 05 29 00-0797	EA		1/2" Rod Size, Malleable Iron Eye Socket.....	10.25	1.85
			<i>For Work In Restricted Working Space, Add</i>	1.11	
23 05 29 00-0798	EA		5/8" Rod Size, Malleable Iron Eye Socket.....	17.19	1.85
			<i>For Work In Restricted Working Space, Add</i>	1.12	
23 05 29 00-0799	EA		3/4" Rod Size, Malleable Iron Eye Socket.....	23.97	1.85
			<i>For Work In Restricted Working Space, Add</i>	1.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0800 EA 7/8" Rod Size, Malleable Iron Eye Socket <i>For Work In Restricted Working Space, Add</i>	25.99 1.39	2.31
23 05 29 00-0801 Steel Weldless Eye Nuts (B-Line B-3200) (23 05 29 00-0758) Note: Type 17.		
23 05 29 00-0802 EA 3/8" Rod Size, Steel Weldless Eye Nut..... <i>For Work In Restricted Working Space, Add</i>	25.10 0.84	1.39
23 05 29 00-0803 EA 1/2" Rod Size, Steel Weldless Eye Nut..... <i>For Work In Restricted Working Space, Add</i>	25.99 1.11	1.85
23 05 29 00-0804 EA 5/8" Rod Size, Steel Weldless Eye Nut..... <i>For Work In Restricted Working Space, Add</i>	26.03 1.12	1.85
23 05 29 00-0805 EA 3/4" Rod Size, Steel Weldless Eye Nut..... <i>For Work In Restricted Working Space, Add</i>	25.99 1.11	1.85
23 05 29 00-0806 EA 7/8" Rod Size, Steel Weldless Eye Nut..... <i>For Work In Restricted Working Space, Add</i>	50.18 1.25	2.03
23 05 29 00-0807 EA 1" Rod Size, Steel Weldless Eye Nut..... <i>For Work In Restricted Working Space, Add</i>	50.64 1.39	2.31
23 05 29 00-0808 Top Mount I-Beam Clamps (B-Line B-3042) (23 05 29 00-0758) Note: For attaching threaded rod to either side of an I-beam.		
23 05 29 00-0809 EA 3/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	18.37 2.67	4.45
23 05 29 00-0810 EA 1/2" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	21.63 2.86	4.75
23 05 29 00-0811 EA 5/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	26.03 3.14	5.18
23 05 29 00-0812 EA 3/4" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	35.23 3.30	5.60
23 05 29 00-0813 EA 7/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	53.46 3.88	6.47
23 05 29 00-0814 EA 3/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	19.24 2.67	4.45
23 05 29 00-0815 EA 1/2" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	22.87 2.86	4.75
23 05 29 00-0816 EA 5/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	26.03 3.14	5.18
23 05 29 00-0817 EA 3/4" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	38.50 3.30	5.60
23 05 29 00-0818 EA 7/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	59.04 3.88	6.47
23 05 29 00-0819 EA 3/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	21.29 2.67	4.45
23 05 29 00-0820 EA 1/2" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	25.17 2.86	4.75
23 05 29 00-0821 EA 5/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	31.41 3.14	5.18
23 05 29 00-0822 EA 3/4" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	44.61 3.30	5.60
23 05 29 00-0823 EA 7/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	70.99 3.88	6.47
23 05 29 00-0824 Side Beam Brackets (B-Line B-3062) (23 05 29 00-0758) Note: Type 34.		
23 05 29 00-0825 EA 3/8" Rod Size, Side Beam Bracket <i>For Work In Restricted Working Space, Add</i>	15.76 3.59	6.22
23 05 29 00-0826 EA 1/2" Rod Size, Side Beam Bracket <i>For Work In Restricted Working Space, Add</i>	18.01 3.71	6.02
23 05 29 00-0827 EA 5/8" Rod Size, Side Beam Bracket <i>For Work In Restricted Working Space, Add</i>	22.88 3.97	6.48
23 05 29 00-0828 EA 3/4" Rod Size, Side Beam Bracket <i>For Work In Restricted Working Space, Add</i>	39.20 4.28	6.94
23 05 29 00-0829 EA 7/8" Rod Size, Side Beam Bracket <i>For Work In Restricted Working Space, Add</i>	45.70 4.63	7.87
23 05 29 00-0830 Hex Lag Bolts (23 05 29 00-0758) Note: Also known as coach screws.		
23 05 29 00-0831 EA 3/8" x 3-1/2" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	2.53 0.60	
23 05 29 00-0832 EA 3/8" x 4" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	2.69 0.62	
23 05 29 00-0833 EA 3/8" x 6" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	3.04 0.64	
23 05 29 00-0834 EA 3/8" x 8" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	3.69 0.66	
23 05 29 00-0835 EA 3/8" x 10" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	3.93 0.69	
23 05 29 00-0836 EA 3/8" x 12" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	4.55 0.72	
23 05 29 00-0837 EA 1/2" x 3-1/2" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	3.42 0.72	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0838	EA		1/2" x 4" Long, Hex Lag Bolt.....	3.69	
			<i>For Work In Restricted Working Space, Add</i>	0.74	
23 05 29 00-0839	EA		1/2" x 6" Long, Hex Lag Bolt.....	4.33	
			<i>For Work In Restricted Working Space, Add</i>	0.78	
23 05 29 00-0840	EA		1/2" x 8" Long, Hex Lag Bolt.....	5.06	
			<i>For Work In Restricted Working Space, Add</i>	0.82	
23 05 29 00-0841	EA		1/2" x 10" Long, Hex Lag Bolt.....	5.99	
			<i>For Work In Restricted Working Space, Add</i>	0.86	
23 05 29 00-0842	EA		1/2" x 12" Long, Hex Lag Bolt.....	6.43	
			<i>For Work In Restricted Working Space, Add</i>	0.90	
23 05 29 00-0843	EA		5/8" x 4" Long, Hex Lag Bolt.....	4.67	
			<i>For Work In Restricted Working Space, Add</i>	0.80	
23 05 29 00-0844	EA		3/4" x 5" Long, Hex Lag Bolt.....	5.42	
			<i>For Work In Restricted Working Space, Add</i>	0.82	
23 05 29 00-0845			Shields And Saddles <small>(23 05 29)</small>		
23 05 29 00-0846			Insulation Protection Shield <small>(23 05 29 00-0845)</small>		
			Note: Type 40.		
23 05 29 00-0847			Insulation Protection Shield (Cooper B-Line B3151) <small>(23 05 29 00-0846)</small>		
23 05 29 00-0848	EA		1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151).....	15.42	2.22
			<i>For Work In Restricted Working Space, Add</i>	2.22	
23 05 29 00-0849	EA		2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151).....	15.66	2.25
			<i>For Work In Restricted Working Space, Add</i>	2.25	
23 05 29 00-0850	EA		2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151).....	16.09	2.27
			<i>For Work In Restricted Working Space, Add</i>	2.28	
23 05 29 00-0851	EA		3" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151).....	16.95	2.30
			<i>For Work In Restricted Working Space, Add</i>	2.31	
23 05 29 00-0852	EA		4" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151).....	19.01	2.36
			<i>For Work In Restricted Working Space, Add</i>	2.36	
23 05 29 00-0853	EA		6" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151).....	23.87	2.42
			<i>For Work In Restricted Working Space, Add</i>	2.42	
23 05 29 00-0854	EA		8" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151).....	28.24	2.48
			<i>For Work In Restricted Working Space, Add</i>	2.47	
23 05 29 00-0855	EA		10" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151).....	35.22	2.53
			<i>For Work In Restricted Working Space, Add</i>	2.53	
23 05 29 00-0856	EA		12" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	46.22	2.56
			<i>For Work In Restricted Working Space, Add</i>	2.56	
23 05 29 00-0857	EA		14" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	50.62	2.59
			<i>For Work In Restricted Working Space, Add</i>	2.58	
23 05 29 00-0858	EA		16" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	71.03	2.62
			<i>For Work In Restricted Working Space, Add</i>	2.61	
23 05 29 00-0859	EA		18" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	80.23	2.64
			<i>For Work In Restricted Working Space, Add</i>	2.64	
23 05 29 00-0860	EA		20" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	152.01	2.67
			<i>For Work In Restricted Working Space, Add</i>	2.67	
23 05 29 00-0861	EA		24" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	165.49	2.73
			<i>For Work In Restricted Working Space, Add</i>	2.72	
23 05 29 00-0862	EA		30" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	200.74	2.78
			<i>For Work In Restricted Working Space, Add</i>	2.78	
23 05 29 00-0863			Insulation Protection Shield (Cooper B-Line B3154) <small>(23 05 29 00-0846)</small>		
23 05 29 00-0864	EA		1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	13.22	2.22
			<i>For Work In Restricted Working Space, Add</i>	2.22	
23 05 29 00-0865	EA		2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	13.41	2.25
			<i>For Work In Restricted Working Space, Add</i>	2.25	
23 05 29 00-0866	EA		2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	13.75	2.27
			<i>For Work In Restricted Working Space, Add</i>	2.28	
23 05 29 00-0867	EA		3" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	14.40	2.30
			<i>For Work In Restricted Working Space, Add</i>	2.31	
23 05 29 00-0868	EA		4" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	15.95	2.36
			<i>For Work In Restricted Working Space, Add</i>	2.36	
23 05 29 00-0869	EA		6" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	19.53	2.42
			<i>For Work In Restricted Working Space, Add</i>	2.42	
23 05 29 00-0870	EA		8" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154).....	21.16	2.48
			<i>For Work In Restricted Working Space, Add</i>	2.47	
23 05 29 00-0871	EA		10" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154).....	27.85	2.53
			<i>For Work In Restricted Working Space, Add</i>	2.53	
23 05 29 00-0872	EA		12" Outside Diameter, 14 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154).....	34.12	2.56
			<i>For Work In Restricted Working Space, Add</i>	2.56	
23 05 29 00-0873			Pipe Covering Protection Saddle <small>(23 05 29 00-0845)</small>		
			Note: Sizes are pipe sizes.		
23 05 29 00-0874			Saddle, For 1" Insulation (Cooper B-Line B3160) <small>(23 05 29 00-0873)</small>		
23 05 29 00-0875	EA		3/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	24.18	3.06
			<i>For Work In Restricted Working Space, Add</i>	3.05	
23 05 29 00-0876	EA		1" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	24.27	3.08
			<i>For Work In Restricted Working Space, Add</i>	3.08	
23 05 29 00-0877	EA		1-1/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	24.35	3.11
			<i>For Work In Restricted Working Space, Add</i>	3.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0878 EA 1-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) <i>For Work In Restricted Working Space, Add</i>	25.70 3.16	3.16
23 05 29 00-0879 EA 2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) <i>For Work In Restricted Working Space, Add</i>	25.79 3.18	3.18
23 05 29 00-0880 EA 2-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) <i>For Work In Restricted Working Space, Add</i>	26.72 3.23	3.24
23 05 29 00-0881 EA 3" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) <i>For Work In Restricted Working Space, Add</i>	30.20 3.29	3.29
23 05 29 00-0882 EA 4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) <i>For Work In Restricted Working Space, Add</i>	34.46 3.34	3.34
23 05 29 00-0883 EA 6" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) <i>For Work In Restricted Working Space, Add</i>	39.22 3.44	3.44
23 05 29 00-0884 EA 8" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) <i>For Work In Restricted Working Space, Add</i>	48.70 3.57	3.58
23 05 29 00-0885 EA 10" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) <i>For Work In Restricted Working Space, Add</i>	55.01 3.62	3.63
23 05 29 00-0886 EA 12" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) <i>For Work In Restricted Working Space, Add</i>	66.14 3.70	3.63
23 05 29 00-0887 EA 14" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) <i>For Work In Restricted Working Space, Add</i>	72.66 3.75	3.75
23 05 29 00-0888 Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) <small>(23 05 29 00-0873)</small>		
23 05 29 00-0889 EA 3/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) <i>For Work In Restricted Working Space, Add</i>	27.90 3.05	3.06
23 05 29 00-0890 EA 1" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) <i>For Work In Restricted Working Space, Add</i>	27.99 3.08	3.08
23 05 29 00-0891 EA 1-1/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) <i>For Work In Restricted Working Space, Add</i>	28.07 3.11	3.11
23 05 29 00-0892 EA 1-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) <i>For Work In Restricted Working Space, Add</i>	29.18 3.16	3.16
23 05 29 00-0893 EA 2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) <i>For Work In Restricted Working Space, Add</i>	31.85 3.18	3.18
23 05 29 00-0894 EA 2-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) <i>For Work In Restricted Working Space, Add</i>	34.61 3.23	3.24
23 05 29 00-0895 EA 3" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) <i>For Work In Restricted Working Space, Add</i>	35.20 3.29	3.29
23 05 29 00-0896 EA 4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) <i>For Work In Restricted Working Space, Add</i>	40.61 3.34	3.29
23 05 29 00-0897 EA 6" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) <i>For Work In Restricted Working Space, Add</i>	46.18 3.44	3.44
23 05 29 00-0898 EA 8" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) <i>For Work In Restricted Working Space, Add</i>	55.53 3.57	3.58
23 05 29 00-0899 EA 10" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) <i>For Work In Restricted Working Space, Add</i>	63.08 3.62	3.63
23 05 29 00-0900 EA 12" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) <i>For Work In Restricted Working Space, Add</i>	76.10 3.70	3.70
23 05 29 00-0901 EA 14" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) <i>For Work In Restricted Working Space, Add</i>	83.83 3.75	3.75
23 05 29 00-0902 Saddle, For 2" Insulation (Cooper B-Line B3162) <small>(23 05 29 00-0873)</small>		
23 05 29 00-0903 EA 3/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	29.96 3.21	3.21
23 05 29 00-0904 EA 1" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	30.04 3.23	3.24
23 05 29 00-0905 EA 1-1/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	31.87 3.26	3.26
23 05 29 00-0906 EA 1-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	32.91 3.31	3.31
23 05 29 00-0907 EA 2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	33.87 3.34	3.34
23 05 29 00-0908 EA 2-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	34.04 3.39	3.40
23 05 29 00-0909 EA 3" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	36.22 3.44	3.45
23 05 29 00-0910 EA 4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	38.40 3.50	3.50
23 05 29 00-0911 EA 6" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	50.35 3.62	3.62
23 05 29 00-0912 EA 8" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	57.69 3.75	3.75
23 05 29 00-0913 EA 10" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	60.79 3.80	3.80
23 05 29 00-0914 EA 12" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	84.16 3.88	3.88
23 05 29 00-0915 EA 14" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	93.81 3.93	3.94
23 05 29 00-0916 EA 16" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	103.66 4.04	4.03
23 05 29 00-0917 EA 18" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	113.49 4.14	4.14
23 05 29 00-0918 EA 20" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	124.97 4.25	4.25

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0919 EA 24" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)..... <i>For Work In Restricted Working Space, Add</i>	143.99 4.35	4.35
23 05 29 00-0920 Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) (23 05 29 00-0873)		
23 05 29 00-0921 EA 1-1/4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	34.00 3.34	3.34
23 05 29 00-0922 EA 1-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	36.12 3.39	3.39
23 05 29 00-0923 EA 2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	37.20 3.42	3.42
23 05 29 00-0924 EA 2-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	38.34 3.47	3.47
23 05 29 00-0925 EA 3" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	38.60 3.55	3.54
23 05 29 00-0926 EA 4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	45.78 3.60	3.59
23 05 29 00-0927 EA 6" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	53.15 3.70	3.70
23 05 29 00-0928 EA 8" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	62.75 3.83	3.84
23 05 29 00-0929 EA 10" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)..... <i>For Work In Restricted Working Space, Add</i>	67.61 3.91	3.90
23 05 29 00-0930 EA 12" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)..... <i>For Work In Restricted Working Space, Add</i>	86.34 3.99	3.97
23 05 29 00-0931 EA 14" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)..... <i>For Work In Restricted Working Space, Add</i>	103.74 4.04	4.03
23 05 29 00-0932 EA 16" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)..... <i>For Work In Restricted Working Space, Add</i>	121.32 4.14	4.14
23 05 29 00-0933 EA 18" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)..... <i>For Work In Restricted Working Space, Add</i>	129.15 4.25	4.24
23 05 29 00-0934 EA 20" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)..... <i>For Work In Restricted Working Space, Add</i>	137.89 4.35	4.35
23 05 29 00-0935 EA 24" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)..... <i>For Work In Restricted Working Space, Add</i>	146.62 4.45	4.45
23 05 29 00-0936 Saddle, For 3" Insulation (Cooper B-Line B3164) (23 05 29 00-0873)		
23 05 29 00-0937 EA 2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	38.54 3.50	3.50
23 05 29 00-0938 EA 2-1/2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) <i>For Work In Restricted Working Space, Add</i>	42.50 3.57	3.57
23 05 29 00-0939 EA 3" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	44.52 3.62	3.62
23 05 29 00-0940 EA 4" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	46.54 3.68	3.68
23 05 29 00-0941 EA 6" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	54.29 3.78	3.79
23 05 29 00-0942 EA 8" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	69.62 3.93	3.92
23 05 29 00-0943 EA 10" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	75.98 3.99	3.98
23 05 29 00-0944 EA 12" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	101.02 4.06	4.08
23 05 29 00-0945 EA 14" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	121.99 4.14	4.14
23 05 29 00-0946 EA 16" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	142.95 4.22	4.23
23 05 29 00-0947 EA 18" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	145.61 4.35	4.34
23 05 29 00-0948 EA 20" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	148.17 4.45	4.44
23 05 29 00-0949 EA 24" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	190.20 4.55	4.55
23 05 29 00-0950 Saddle, For 4" Insulation (Cooper B-Line B3165) (23 05 29 00-0873)		
23 05 29 00-0951 EA 2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	44.17 3.57	3.58
23 05 29 00-0952 EA 2-1/2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) <i>For Work In Restricted Working Space, Add</i>	48.88 3.65	3.64
23 05 29 00-0953 EA 3" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	51.27 3.70	3.70
23 05 29 00-0954 EA 4" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	53.78 3.75	3.75
23 05 29 00-0955 EA 6" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	67.00 3.88	3.87
23 05 29 00-0956 EA 8" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	80.21 4.01	4.02
23 05 29 00-0957 EA 10" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	83.04 4.09	4.08
23 05 29 00-0958 EA 12" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	108.25 4.17	4.17



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0959 EA 14" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) <i>For Work In Restricted Working Space, Add</i>	133.07 4.22	4.22
23 05 29 00-0960 EA 16" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) <i>For Work In Restricted Working Space, Add</i>	158.07 4.32	4.33
23 05 29 00-0961 EA 18" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) <i>For Work In Restricted Working Space, Add</i>	195.02 4.43	4.43
23 05 29 00-0962 EA 20" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) <i>For Work In Restricted Working Space, Add</i>	231.75 4.55	4.54
23 05 29 00-0963 EA 24" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) <i>For Work In Restricted Working Space, Add</i>	248.35 4.66	4.66
23 05 29 00-0964 EA 30" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) <i>For Work In Restricted Working Space, Add</i>	261.59 4.79	4.78
23 05 29 00-0965 EA 36" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) <i>For Work In Restricted Working Space, Add</i>	271.37 4.89	4.90
23 05 29 00-0966 Adjustable Pipe Saddle Support (Cooper B-Line B3096) <small>(23 05 29 00-0845)</small>		
23 05 29 00-0967 EA 2" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	101.81	11.57
23 05 29 00-0968 EA 3" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	106.95	13.42
23 05 29 00-0969 EA 4" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	130.61	15.28
23 05 29 00-0970 EA 5" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	135.62	16.66
23 05 29 00-0971 EA 6" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	150.45	18.53
23 05 29 00-0972 EA 8" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	169.01	23.16
23 05 29 00-0973 EA 10" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	220.44	31.02
23 05 29 00-0974 EA 12" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	264.46	46.30
23 05 29 00-0975 Pipe Stanchion Support (Cooper B-Line B3090) <small>(23 05 29 00-0845)</small>		
23 05 29 00-0976 EA 2-1/2" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	128.68	11.57
23 05 29 00-0977 EA 3" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	131.98	13.42
23 05 29 00-0978 EA 3-1/2" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	141.25	14.35
23 05 29 00-0979 EA 4" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	143.41	15.28
23 05 29 00-0980 EA 5" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	150.35	16.66
23 05 29 00-0981 EA 6" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	158.56	18.53
23 05 29 00-0982 EA 8" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	201.71	23.16
23 05 29 00-0983 EA 10" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	272.48	31.02
23 05 29 00-0984 EA 12" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	350.60	46.30
23 05 29 00-0985 Pipe Saddle Support (Cooper B-Line B3095) <small>(23 05 29 00-0845)</small>		
23 05 29 00-0986 EA 2-1/2" Pipe Saddle Support (Cooper B-Line B3095)	60.56	11.57
23 05 29 00-0987 EA 3" Pipe Saddle Support (Cooper B-Line B3095)	63.86	13.42
23 05 29 00-0988 EA 3-1/2" Pipe Saddle Support (Cooper B-Line B3095)	101.75	14.35
23 05 29 00-0989 EA 4" Pipe Saddle Support (Cooper B-Line B3095)	103.91	15.28
23 05 29 00-0990 EA 5" Pipe Saddle Support (Cooper B-Line B3095)	114.53	16.66
23 05 29 00-0991 EA 6" Pipe Saddle Support (Cooper B-Line B3095)	126.91	18.53
23 05 29 00-0992 EA 8" Pipe Saddle Support (Cooper B-Line B3095)	143.71	23.16
23 05 29 00-0993 EA 10" Pipe Saddle Support (Cooper B-Line B3095)	163.88	31.02
23 05 29 00-0994 EA 12" Pipe Saddle Support (Cooper B-Line B3095)	199.89	46.30
23 05 29 00-0995 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate <small>(23 05 29 00-0845)</small>		
<i>Note: Insert is for use as isolated protective insulation at hangers.</i>		
23 05 29 00-0996 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate <small>(23 05 29 00-0995)</small>		
23 05 29 00-0997 EA 1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	12.78	6.01
23 05 29 00-0998 EA 3/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	12.91	6.01
23 05 29 00-0999 EA 1" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	12.94	6.01
23 05 29 00-1000 EA 1-1/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	13.07	6.01
23 05 29 00-1001 EA 1-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	13.97	6.37
23 05 29 00-1002 EA 2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	14.54	6.56
23 05 29 00-1003 EA 2-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	15.18	6.83
23 05 29 00-1004 EA 3" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	15.87	7.11
23 05 29 00-1005 EA 4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	16.93	7.38
23 05 29 00-1006 EA 6" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	16.52	6.37
23 05 29 00-1007 EA 8" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	24.05	8.31
23 05 29 00-1008 EA 10" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	28.36	9.79
23 05 29 00-1009 EA 12" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	32.54	11.36
23 05 29 00-1010 EA 14" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	35.63	11.73
23 05 29 00-1011 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate <small>(23 05 29 00-0995)</small>		
23 05 29 00-1012 EA 1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	10.42	4.53
23 05 29 00-1013 EA 3/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	11.06	4.53
23 05 29 00-1014 EA 1" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	11.27	4.62
23 05 29 00-1015 EA 1-1/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	11.57	4.71
23 05 29 00-1016 EA 1-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	11.85	4.71
23 05 29 00-1017 EA 2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	12.37	4.90

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1018 EA 2-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	12.99	5.08
23 05 29 00-1019 EA 3" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	13.34	5.17
23 05 29 00-1020 EA 4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	14.57	5.63
23 05 29 00-1021 EA 6" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	23.02	9.70
23 05 29 00-1022 EA 8" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.35	7.29
23 05 29 00-1023 EA 10" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	23.22	8.59
23 05 29 00-1024 EA 12" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	26.52	9.88
23 05 29 00-1025 EA 14" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	31.50	11.91
23 05 29 00-1026 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0995)		
23 05 29 00-1027 EA 1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	13.41	5.17
23 05 29 00-1028 EA 3/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	13.51	5.17
23 05 29 00-1029 EA 1" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	13.86	5.26
23 05 29 00-1030 EA 1-1/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	14.18	5.35
23 05 29 00-1031 EA 1-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	14.51	5.45
23 05 29 00-1032 EA 2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	15.07	5.63
23 05 29 00-1033 EA 2-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	15.77	5.81
23 05 29 00-1034 EA 3" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	16.45	6.01
23 05 29 00-1035 EA 4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	17.84	6.37
23 05 29 00-1036 EA 6" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	20.36	7.20
23 05 29 00-1037 EA 8" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	32.73	12.28
23 05 29 00-1038 EA 10" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	36.52	14.22
23 05 29 00-1039 EA 12" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	42.51	16.81
23 05 29 00-1040 EA 14" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	47.69	18.84
23 05 29 00-1041 EA 16" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	53.45	21.25
23 05 29 00-1042 EA 18" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	61.83	24.94
23 05 29 00-1043 EA 20" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	68.68	27.70
23 05 29 00-1044 EA 24" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	77.68	31.41
23 05 29 00-1045 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0995)		
23 05 29 00-1046 EA 1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	15.40	6.01
23 05 29 00-1047 EA 3/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	15.52	6.01
23 05 29 00-1048 EA 1" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	15.96	6.10
23 05 29 00-1049 EA 1-1/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	16.26	6.19
23 05 29 00-1050 EA 1-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	16.58	6.19
23 05 29 00-1051 EA 2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	17.27	6.47
23 05 29 00-1052 EA 2-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.07	6.65
23 05 29 00-1053 EA 3" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.84	6.93
23 05 29 00-1054 EA 4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	20.42	7.29
23 05 29 00-1055 EA 6" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	23.33	8.31
23 05 29 00-1056 EA 8" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	28.98	9.23
23 05 29 00-1057 EA 10" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	34.16	10.62
23 05 29 00-1058 EA 12" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	40.18	13.21
23 05 29 00-1059 EA 14" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	44.81	14.50
23 05 29 00-1060 EA 16" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	54.47	18.47
23 05 29 00-1061 EA 18" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	58.03	19.40
23 05 29 00-1062 EA 20" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	66.03	22.16
23 05 29 00-1063 EA 24" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	78.52	26.78
23 05 29 00-1064 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0995)		
23 05 29 00-1065 EA 1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	30.84	6.19
23 05 29 00-1066 EA 3/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	36.56	6.47
23 05 29 00-1067 EA 1" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	37.87	6.47
23 05 29 00-1068 EA 1-1/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	38.74	6.65
23 05 29 00-1069 EA 1-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	39.76	6.83
23 05 29 00-1070 EA 2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	40.92	6.93
23 05 29 00-1071 EA 2-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	43.01	7.11
23 05 29 00-1072 EA 3" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	44.87	7.57
23 05 29 00-1073 EA 4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	49.29	7.85
23 05 29 00-1074 EA 6" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	56.36	9.61
23 05 29 00-1075 EA 8" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	71.97	10.53
23 05 29 00-1076 EA 10" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	85.43	11.09
23 05 29 00-1077 EA 12" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	98.52	14.31
23 05 29 00-1078 EA 14" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	110.70	15.24
23 05 29 00-1079 EA 16" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	133.46	20.32
23 05 29 00-1080 EA 18" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	143.63	22.16
23 05 29 00-1081 EA 20" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	162.57	24.01
23 05 29 00-1082 EA 24" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	191.07	29.56
23 05 29 00-1083 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0995)		
23 05 29 00-1084 EA 1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	15.40	6.01



		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1085	EA	3/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.64	7.29
23 05 29 00-1086	EA	1" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.19	7.29
23 05 29 00-1087	EA	1-1/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.52	7.38
23 05 29 00-1088	EA	1-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.98	7.48
23 05 29 00-1089	EA	2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	20.68	7.76
23 05 29 00-1090	EA	2-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	21.66	8.04
23 05 29 00-1091	EA	3" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	22.55	8.31
23 05 29 00-1092	EA	4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	24.52	8.77
23 05 29 00-1093	EA	6" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	27.98	9.98
23 05 29 00-1094	EA	8" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	34.76	11.09
23 05 29 00-1095	EA	10" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	41.00	12.75
23 05 29 00-1096	EA	12" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	48.20	15.88
23 05 29 00-1097	EA	14" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	53.79	17.36
23 05 29 00-1098	EA	16" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	65.37	22.16
23 05 29 00-1099	EA	18" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	69.63	23.28
23 05 29 00-1100	EA	20" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	79.29	26.60
23 05 29 00-1101	EA	24" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	94.22	32.14
23 05 29 00-1102		4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate <small>(23 05 29 00-0995)</small>		
23 05 29 00-1103	EA	1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	20.76	8.13
23 05 29 00-1104	EA	3/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	20.92	8.13
23 05 29 00-1105	EA	1" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	21.53	8.22
23 05 29 00-1106	EA	1-1/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	22.01	8.31
23 05 29 00-1107	EA	1-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	22.30	8.31
23 05 29 00-1108	EA	2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	23.61	8.86
23 05 29 00-1109	EA	2-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	24.36	8.96
23 05 29 00-1110	EA	3" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	25.43	9.33
23 05 29 00-1111	EA	4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	27.57	9.88
23 05 29 00-1112	EA	6" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	31.46	11.18
23 05 29 00-1113	EA	8" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	38.40	12.10
23 05 29 00-1114	EA	10" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	46.14	14.41
23 05 29 00-1115	EA	12" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	54.23	17.92
23 05 29 00-1116	EA	14" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	60.52	19.49
23 05 29 00-1117	EA	16" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	73.59	24.94
23 05 29 00-1118	EA	18" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	78.28	26.14
23 05 29 00-1119	EA	20" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	88.51	29.93
23 05 29 00-1120	EA	24" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	106.03	36.21
23 05 29 00-1121	EA	26" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	122.28	42.57
23 05 29 00-1122	EA	28" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	140.92	50.24
23 05 29 00-1123	EA	30" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	161.92	59.38
23 05 29 00-1124	EA	42" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	238.44	91.71
23 05 29 00-1125	EA	44" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	258.92	100.95
23 05 29 00-1126	EA	46" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	277.31	108.98
23 05 29 00-1127		Equipment Housekeeping Pads <small>(23 05 29)</small> See CSI section 03 31 13 00-0091 for Concrete Equipment Pads.		
23 05 29 00-1128		Molded Plastic Condenser Pad <small>(23 05 29 00-1127)</small>		
23 05 29 00-1129	EA	30" Round Molded Plastic Pad.....	68.29	11.95
23 05 29 00-1130	EA	30" Octagon Molded Plastic Pad.....	71.21	11.95
23 05 29 00-1131	EA	30" x 30" Molded Plastic Pad.....	68.29	11.95
23 05 29 00-1132	EA	36" x 36" Molded Plastic Pad.....	85.79	11.95
23 05 29 00-1133	EA	36" x 48" Molded Plastic Pad.....	118.53	11.95
23 05 29 00-1134		Inertia Base <small>(23 05 29 00-1127)</small> Note: Includes spring isolators.		
23 05 29 00-1135	EA	Up To 12 SF Inertia Base, 8" Thick With Spring Base.....	1,096.72	
23 05 29 00-1136	EA	>12 To 16 SF Inertia Base, 8" Thick With Spring Base.....	1,323.03	
23 05 29 00-1137	EA	>16 To 20 SF Inertia Base, 8" Thick With Spring Base.....	1,515.27	
23 05 29 00-1138	EA	>20 To 24 SF Inertia Base, 8" Thick With Spring Base.....	1,730.23	
23 05 29 00-1139		Hanger Assemblies <small>(23 05 29)</small> Note: Includes hanger, rod, nuts, washers, clamps, upper attachment, etc. Not for use where detail is available.		
23 05 29 00-1140	EA	1/2" Standard Duty Clevis Pipe Hanger Assembly.....	41.75	14.85
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	9.56	
23 05 29 00-1141	EA	3/4" Standard Duty Clevis Pipe Hanger Assembly.....	43.51	15.74
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	10.09	
23 05 29 00-1142	EA	1" Standard Duty Clevis Pipe Hanger Assembly.....	44.92	16.65
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	10.49	
23 05 29 00-1143	EA	1-1/4" Standard Duty Clevis Pipe Hanger Assembly.....	45.79	16.67
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	10.64	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1144 EA 1-1/2" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	46.10 <i>10.64</i>	16.67
23 05 29 00-1145 EA 2" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	47.23 <i>10.80</i>	16.80
23 05 29 00-1146 EA 2-1/2" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	54.04 <i>10.64</i>	17.41
23 05 29 00-1147 EA 3" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	56.14 <i>10.81</i>	17.92
23 05 29 00-1148 EA 4" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	67.84 <i>11.94</i>	20.23
23 05 29 00-1149 EA 6" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	100.99 <i>15.68</i>	26.14
23 05 29 00-1150 EA 8" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	119.49 <i>18.19</i>	30.32
23 05 29 00-1151 EA 10" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	167.14 <i>22.82</i>	38.51
23 05 29 00-1152 EA 12" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	185.95 <i>24.91</i>	41.45
23 05 29 00-1153 Steel Shapes For Hanger Devices (23 05 29)		
23 05 29 00-1154 Angle Iron For Hanger Devices (23 05 29 00-1153)		
23 05 29 00-1155 LF 1/2" x 1/2" x 1/8" Angle Iron For Hanger Devices	2.20	1.35
23 05 29 00-1156 LF 3/4" x 3/4" x 1/8" Angle Iron For Hanger Devices	2.88	1.68
23 05 29 00-1157 LF 1" x 1" x 1/8" Angle Iron For Hanger Devices	3.55	2.01
23 05 29 00-1158 LF 1-1/4" x 1-1/4" x 3/16" Angle Iron For Hanger Devices	4.92	2.51
23 05 29 00-1159 LF 1-1/2" x 1-1/2" x 3/16" Angle Iron For Hanger Devices	5.51	2.69
23 05 29 00-1160 LF 2" x 2" x 1/4" Angle Iron For Hanger Devices	7.45	3.02
23 05 29 00-1161 LF 2-1/2" x 2-1/2" x 1/4" Angle Iron For Hanger Devices	9.28	3.67
23 05 29 00-1162 LF 3" x 2" x 3/8" Angle Iron For Hanger Devices	12.08	4.31
23 05 29 00-1163 LF 3" x 3" x 3/8" Angle Iron For Hanger Devices	14.43	5.03
23 05 29 00-1164 Channels For Hanger Devices (23 05 29 00-1153)		
23 05 29 00-1165 LF C2 X 1.78 - 2" Wide (Channels) For Hanger Devices	6.33	3.33
23 05 29 00-1166 LF C3 X 4.1 - 3" Wide (Channels) For Hanger Devices	10.79	4.79
23 05 29 00-1167 LF C4 X 5.4 - 4" Wide (Channels) For Hanger Devices	13.46	5.76
23 05 29 00-1168 LF C5 X 6.7 - 5" Wide (Channels) For Hanger Devices	16.14	6.71
23 05 29 00-1169 LF C6 X 8.2 - 6" Wide (Channels) For Hanger Devices	19.53	8.05
23 05 29 00-1170 LF C7 X 9.8 - 7" Wide (Channels) For Hanger Devices	23.30	9.58
23 05 29 00-1171 LF C8 X 11.5 - 8" Wide (Channels) For Hanger Devices	26.40	10.55
23 05 29 00-1172 Structural Bar Tees For Hanger Devices (23 05 29 00-1153)		
23 05 29 00-1173 LF 3/4" x 3/4" x 1/8" Structural Bar Tee For Hanger Devices.....	7.08	4.69
23 05 29 00-1174 LF 1" x 1" x 1/8" Structural Bar Tee For Hanger Devices.....	8.51	5.54
23 05 29 00-1175 LF 1-1/2" x 1-1/2" x 1/4" Structural Bar Tee For Hanger Devices	12.13	6.39
23 05 29 00-1176 LF 2" x 2" x 1/4" Structural Bar Tee For Hanger Devices.....	15.62	8.52
23 05 29 00-1177 LF 2-1/2" x 2-1/2" x 3/8" Structural Bar Tee For Hanger Devices	21.36	10.22
23 05 29 00-1178 LF 3" x 3" x 3/8" Structural Bar Tee For Hanger Devices.....	26.79	13.20
23 05 29 00-1179 Structural Zees For Hanger Devices (23 05 29 00-1153)		
23 05 29 00-1180 LF 1-1/4" x 1-3/4" x 1-3/4" Structural Zee For Hanger Devices.....	12.14	6.39
23 05 29 00-1181 LF 2-11/16" x 3" x 2-11/16" Structural Zee For Hanger Devices	14.55	6.39
23 05 29 00-1182 LF 3-1/16" x 4" x 3-1/16" Structural Zee For Hanger Devices	21.27	6.39
23 05 29 00-1183 LF 3-1/4" x 5" x 3-1/4" Structural Zee For Hanger Devices	26.85	6.39
23 05 29 00-1184 LF 3-1/2" x 6" x 3-1/2" Structural Zee For Hanger Devices	32.67	6.39
23 05 29 00-1185 Junior I-beams For Hanger Devices (23 05 29 00-1153)		
23 05 29 00-1186 LF 3" I-beam (Junior) For Hanger Devices.....	15.15	9.37
23 05 29 00-1187 LF 4" I-beam (Junior) For Hanger Devices.....	17.41	10.22
23 05 29 00-1188 LF 5" I-beam (Junior) For Hanger Devices.....	20.08	11.08
23 05 29 00-1189 LF 6" I-beam (Junior) For Hanger Devices.....	21.94	12.35
23 05 29 00-1190 LF 7" I-beam (Junior) For Hanger Devices.....	26.03	13.20
23 05 29 00-1191 LF 8" I-beam (Junior) For Hanger Devices.....	28.17	14.06

23 05 33 Heat Tracing For HVAC Piping (23 05)

See CSI section 23 83 13 00-0000 for heat tracing cables.



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 05 48 Vibration and Seismic Controls for HVAC (23 05)

23 05 48 13 Vibration Controls for HVAC (23 05 48)

23 05 48 13-0001 Unhoused Stable Steel Spring Isolators (23 05 48 13)
 Note: Includes leveling adjustment, cast top, base plate and pad. For use with floor mounted equipment only.

23 05 48 13-0002	EA	60 LB Unhoused Steel Spring Isolator.....	118.73	26.75
23 05 48 13-0003	EA	115 LB Unhoused Steel Spring Isolator.....	129.24	26.75
23 05 48 13-0004	EA	1,130 LB Unhoused Steel Spring Isolator.....	164.10	26.75

23 05 48 13-0005 Housed Stable Steel Spring Isolators (23 05 48 13)
 Note: Includes leveling adjustment, top plate, base plate and pad. For use with floor mounted equipment only.
 Mason Industries, Inc.

23 05 48 13-0006	EA	To 770 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection.....	379.59	26.75
23 05 48 13-0007	EA	To 1,040 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection.....	429.82	26.75
23 05 48 13-0008	EA	To 1,600 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection.....	454.94	26.75
23 05 48 13-0009	EA	To 2,250 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection.....	555.40	26.75
23 05 48 13-0010	EA	To 3,250 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection.....	580.52	26.75
23 05 48 13-0011	EA	To 730 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection.....	423.54	26.75
23 05 48 13-0012	EA	To 930 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection.....	467.49	26.75
23 05 48 13-0013	EA	To 1,440 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection.....	498.89	26.75
23 05 48 13-0014	EA	To 1,860 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection.....	643.31	26.75
23 05 48 13-0015	EA	To 2,880 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection.....	699.82	26.75
23 05 48 13-0016	EA	To 3,720 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection.....	831.68	26.75

23 05 48 13-0017 Vibration Isolators (23 05 48 13)

23 05 48 13-0018 Spring And Rubber Hanger For 1" Deflection (23 05 48 13-0017)

23 05 48 13-0019	EA	50-500 LB Rated Spring And Rubber Hanger For Vibration Isolation With 3/4" Max Rod Size	187.65	16.66
23 05 48 13-0020	EA	600-1,000 LB Rated Spring And Rubber Hanger For Vibration Isolation With 7/8" Max Rod Size	426.06	18.53

23 05 48 13-0021 Rubber-In-Shear Isolator Hanger (23 05 48 13-0017)

23 05 48 13-0022	EA	45-340 LB Rubber In Shear Hanger 0.38" Deflection With <1/2" Rod Size	95.47	13.89
23 05 48 13-0023	EA	130-700 LB Rubber In Shear Hanger 0.43" Deflection With <3/4" Rod Size	126.34	16.66

23 05 48 13-0024 Spring Hanger For 1" Deflection (23 05 48 13-0017)

23 05 48 13-0025	EA	50 To 1,000 LB Rubber In Shear Hanger For 1" Deflection With <3/4" Rod Size.....	106.60	16.66
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23 05 48 13-0026 Rubber-In-Shear Vibration Isolator (23 05 48 13-0017)

23 05 48 13-0027	EA	45-340 LB Rubber In Shear Vibration Isolation With 0.38" Deflection	195.35	31.49
23 05 48 13-0028	EA	130-700 LB Rubber In Shear Vibration Isolation With 0.43" Deflection	288.37	31.49
23 05 48 13-0029	EA	550-1,920 LB Rubber In Shear Vibration Isolation With 0.48" Deflection	607.62	31.49

23 05 48 13-0030 Two-Piece Spring Type Vibration Isolator (23 05 48 13-0017)
 Note: For equipment support aluminum construction 1/2" adjusting and leveling bolt 1" deflection.

23 05 48 13-0031	EA	50 - 1,000 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator.....	156.14	31.49
23 05 48 13-0032	EA	>1,000 - 1,600 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator.....	163.07	31.49

23 05 48 13-0033 Open Double Spring Type Vibration Isolator (23 05 48 13-0017)
 Note: For equipment support 1" deflection neoprene pad and 5/8" stud bolt.

23 05 48 13-0034	EA	150-450 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator.....	138.42	15.74
23 05 48 13-0035	EA	500-1,000 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	138.42	15.74
23 05 48 13-0036	EA	1,100-1,600 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	161.53	15.74
23 05 48 13-0037	EA	1,700-2,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	161.53	15.74
23 05 48 13-0038	EA	2,500-3,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator.....	266.05	15.74

23 05 48 13-0039 Isolation Pads (23 05 48 13-0017)

23 05 48 13-0040 Laminated Neoprene And Cork Isolation Pad (23 05 48 13-0039)

23 05 48 13-0041	EA	2" x 2", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	5.83	2.31
23 05 48 13-0042	EA	3" x 3", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	7.71	2.41
23 05 48 13-0043	EA	4" x 4", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	9.86	2.50
23 05 48 13-0044	EA	12" x 12", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	42.09	2.87
23 05 48 13-0045	EA	18" x 18", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	81.55	3.24

23 05 48 13-0046 Neoprene And Steel Plate Isolation Pad (23 05 48 13-0039)

23 05 48 13-0047	EA	6" x 4", 5/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	53.04	2.31
23 05 48 13-0048	EA	6" x 4", 7/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	58.38	2.31

23 05 48 13-0049 Neoprene Isolation Pad (23 05 48 13-0039)

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 48 Vibration and Seismic Controls for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0050 EA 2" x 2", 3/8" Thick Ribbed Neoprene Isolation Pad	5.37	2.31
23 05 48 13-0051 EA 3" x 3", 3/8" Thick Ribbed Neoprene Isolation Pad	6.22	2.31
23 05 48 13-0052 EA 4" x 4", 3/8" Thick Ribbed Neoprene Isolation Pad	7.59	2.31
23 05 48 13-0053 EA 12" x 12", 3/8" Thick Ribbed Neoprene Isolation Pad	41.39	2.78
23 05 48 13-0054 EA 18" x 18", 3/8" Thick Ribbed Neoprene Isolation Pad	76.55	3.24
23 05 48 13-0055 Threaded Flexible Bronze Hose Connectors (23 05 48 13)		
Note: Includes hex threaded nipple ends.		
23 05 48 13-0056 EA 3/8" Diameter x 9" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	89.58	14.81
23 05 48 13-0057 EA 1/2" Diameter x 10" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	99.96	20.38
23 05 48 13-0058 EA 3/4" Diameter x 11" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	123.37	25.01
23 05 48 13-0059 EA 1" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	142.45	29.64
23 05 48 13-0060 EA 1-1/4" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	162.13	38.89
23 05 48 13-0061 EA 1-1/2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	181.64	41.40
23 05 48 13-0062 EA 2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	247.77	49.08
23 05 48 13-0063 EA 2-1/2" Diameter x 16" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	352.41	76.49
23 05 48 13-0064 Weld End Flexible Hose Connectors (23 05 48 13)		
23 05 48 13-0065 EA 1/2" Diameter x 10" Flexible Hose Connection, Weld Ends	216.65	53.15
23 05 48 13-0066 EA 3/4" Diameter x 10" Flexible Hose Connection, Weld Ends	253.67	58.35
23 05 48 13-0067 EA 1" Diameter x 10" Flexible Hose Connection, Weld Ends	286.74	61.77
23 05 48 13-0068 EA 1-1/4" Diameter x 11" Flexible Hose Connection, Weld Ends	320.40	70.38
23 05 48 13-0069 EA 1-1/2" Diameter x 12" Flexible Hose Connection, Weld Ends	364.07	75.94
23 05 48 13-0070 EA 2" Diameter x 14" Flexible Hose Connection, Weld Ends	456.49	98.81
23 05 48 13-0071 EA 2-1/2" Diameter x 16" Flexible Hose Connection, Weld Ends	691.91	111.13
23 05 48 13-0072 EA 3" Diameter x 16" Flexible Hose Connection, Weld Ends	856.62	125.02
23 05 48 13-0073 EA 4" Diameter x 18" Flexible Hose Connection, Weld Ends	1,183.00	185.21
23 05 48 13-0074 Flanged Flexible Hose Connectors (23 05 48 13)		
23 05 48 13-0075 Flanged Flexible Molded Rubber Hose Connectors (23 05 48 13-0074)		
Note: With helical wire reinforcement 150 PSI.		
23 05 48 13-0076 EA 1-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	269.85	69.46
23 05 48 13-0077 EA 2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	289.53	77.14
23 05 48 13-0078 EA 2-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	434.60	154.10
23 05 48 13-0079 EA 3" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	579.48	229.21
23 05 48 13-0080 EA 4" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	761.35	295.89
23 05 48 13-0081 EA 6" Diameter x 18" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,050.02	303.89
23 05 48 13-0082 EA 8" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,305.23	347.09
23 05 48 13-0083 EA 10" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,738.23	413.05
23 05 48 13-0084 EA 12" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	3,630.64	516.61
23 05 48 13-0085 Flanged Flexible Corrugated Stainless Steel Hose Connectors (23 05 48 13-0074)		
Note: With braided metal wire.		
23 05 48 13-0086 EA 1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	198.61	63.16
23 05 48 13-0087 EA 1" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	160.53	86.86
23 05 48 13-0088 EA 1-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	373.24	115.76
23 05 48 13-0089 EA 2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	454.71	173.64
23 05 48 13-0090 EA 2-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	483.50	191.05
23 05 48 13-0091 EA 3" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	550.35	231.33
23 05 48 13-0092 EA 4" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	704.34	296.16
23 05 48 13-0093 EA 6" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,004.37	363.94
23 05 48 13-0094 EA 8" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,801.60	486.22
23 05 48 13-0095 EA 10" Diameter x 13" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	2,133.56	562.24
23 05 48 13-0096 EA 12" Diameter x 14" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	2,895.91	607.78
23 05 48 13-0097 Flanged Flexible Molded Teflon Hose Connectors (23 05 48 13-0074)		
Note: 150 PSI.		
23 05 48 13-0098 EA 2-1/2" Diameter x 3-3/16" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,400.10	134.28
23 05 48 13-0099 EA 3" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,562.55	157.44
23 05 48 13-0100 EA 4" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	2,337.48	264.59
23 05 48 13-0101 EA 6" Diameter x 4" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	2,827.11	303.89
23 05 48 13-0102 EA 8" Diameter x 6" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	3,784.57	372.77
23 05 48 13-0103 Flexible Hose Connectors Braided Metal Hose Type, Bronze (23 05 48 13)		



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 05 48 13-0104 Braided Metal Hose Type Flexible Bronze Hose Connectors (23 05 48 13-0103)

Note: MPT connection.

23 05 48 13-0105	EA	1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	58.03	1.91
23 05 48 13-0106	EA	1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	70.09	1.91
23 05 48 13-0107	EA	1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	77.17	2.48
23 05 48 13-0108	EA	1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	94.95	2.29
23 05 48 13-0109	EA	3/4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	78.17	2.29
23 05 48 13-0110	EA	3/4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	95.39	2.97
23 05 48 13-0111	EA	3/4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	108.30	2.97
23 05 48 13-0112	EA	3/4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	135.11	2.68
23 05 48 13-0113	EA	1" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	107.46	2.68
23 05 48 13-0114	EA	1" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	118.03	3.54
23 05 48 13-0115	EA	1" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	139.47	3.54
23 05 48 13-0116	EA	1" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	178.68	3.54
23 05 48 13-0117	EA	1" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	217.60	3.54
23 05 48 13-0118	EA	1" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	256.64	3.43
23 05 48 13-0119	EA	1-1/4" Or 1-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	153.85	3.43
23 05 48 13-0120	EA	1-1/4" Or 1-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	170.31	3.43
23 05 48 13-0121	EA	1-1/4" Or 1-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	220.47	4.58
23 05 48 13-0122	EA	1-1/4" Or 1-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	306.97	4.58
23 05 48 13-0123	EA	1-1/4" Or 1-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	357.52	4.58
23 05 48 13-0124	EA	1-1/4" Or 1-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	424.78	4.58
23 05 48 13-0125	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	211.73	4.14
23 05 48 13-0126	EA	2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	246.13	4.14
23 05 48 13-0127	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	312.75	5.54
23 05 48 13-0128	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	417.16	5.54
23 05 48 13-0129	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	518.69	5.54
23 05 48 13-0130	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	620.14	5.19
23 05 48 13-0131	EA	2-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	295.69	4.93
23 05 48 13-0132	EA	2-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	338.06	4.93
23 05 48 13-0133	EA	2-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	380.85	6.60
23 05 48 13-0134	EA	2-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	468.66	6.60
23 05 48 13-0135	EA	2-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	554.71	6.60
23 05 48 13-0136	EA	2-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	638.09	6.60
23 05 48 13-0137	EA	3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	468.70	6.60
23 05 48 13-0138	EA	3" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	525.86	6.60
23 05 48 13-0139	EA	3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	407.79	8.79
23 05 48 13-0140	EA	3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	491.88	8.79
23 05 48 13-0141	EA	3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	817.23	8.79
23 05 48 13-0142	EA	3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	929.71	7.46
23 05 48 13-0143	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	865.98	7.46
23 05 48 13-0144	EA	4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	932.77	7.46
23 05 48 13-0145	EA	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	999.57	9.96
23 05 48 13-0146	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	1,139.75	9.96
23 05 48 13-0147	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	1,272.82	9.96
23 05 48 13-0148	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	1,408.75	9.96

23 05 48 13-0149 Braided Stainless Steel Flexible Hose Connectors (23 05 48 13-0103)

Note: Over braided carbon steel connection.

23 05 48 13-0150	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	253.45	4.06
23 05 48 13-0151	EA	2" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	308.09	4.06
23 05 48 13-0152	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	361.71	4.06
23 05 48 13-0153	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	473.26	5.43
23 05 48 13-0154	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	581.95	5.43
23 05 48 13-0155	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	690.52	5.43
23 05 48 13-0156	EA	2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	287.34	4.93
23 05 48 13-0157	EA	2-1/2" Or 3" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	344.45	4.93
23 05 48 13-0158	EA	2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	401.83	4.93
23 05 48 13-0159	EA	2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	520.19	6.60
23 05 48 13-0160	EA	2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	634.47	6.60
23 05 48 13-0161	EA	2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	747.16	6.60
23 05 48 13-0162	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	302.16	6.60
23 05 48 13-0163	EA	4" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	367.59	6.77
23 05 48 13-0164	FT	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	433.96	6.60
23 05 48 13-0165	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	574.61	8.79

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 48 Vibration and Seismic Controls for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0166 EA 4" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	706.62	8.79
23 05 48 13-0167 EA 4" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	842.38	8.79
23 05 48 13-0168 EA 6" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	609.06	12.42
23 05 48 13-0169 EA 6" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	911.65	12.51
23 05 48 13-0170 EA 6" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,223.21	16.48
23 05 48 13-0171 EA 6" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,525.93	16.48
23 05 48 13-0172 EA 6" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,828.57	16.48
23 05 48 13-0173 EA 8" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,069.93	14.83
23 05 48 13-0174 EA 8" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,298.87	14.83
23 05 48 13-0175 EA 8" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,762.80	19.28
23 05 48 13-0176 EA 8" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,216.96	19.28
23 05 48 13-0177 EA 8" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,671.00	19.28
23 05 48 13-0178 EA 10" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,140.19	18.54
23 05 48 13-0179 EA 10" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,712.55	18.54
23 05 48 13-0180 EA 10" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,295.46	24.14
23 05 48 13-0181 EA 10" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,869.82	24.14
23 05 48 13-0182 EA 10" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	3,441.76	24.14
23 05 48 13-0183 EA 12" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,294.31	22.41
23 05 48 13-0184 EA 12" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	3,008.61	22.41
23 05 48 13-0185 EA 12" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	3,759.28	30.16
23 05 48 13-0186 EA 12" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	4,479.85	30.16
23 05 48 13-0187 EA 12" Diameter x 72" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	5,203.79	30.16
23 05 48 13-0188 Braided Metal Hose Type Flexible Bronze Hose Connectors <small>(23 05 48 13-0103)</small>		
Note: Flanged end connection (carbon steel ends).		
23 05 48 13-0189 EA 2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	182.73	4.14
23 05 48 13-0190 EA 2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	395.06	117.25
23 05 48 13-0191 EA 2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	470.16	117.25
23 05 48 13-0192 EA 2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	545.27	117.25
23 05 48 13-0193 EA 2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	620.40	117.25
23 05 48 13-0194 EA 2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	383.78	149.53
23 05 48 13-0195 EA 2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	462.92	149.53
23 05 48 13-0196 EA 2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	542.10	149.53
23 05 48 13-0197 EA 2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	621.30	149.53
23 05 48 13-0198 EA 2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	699.12	149.53
23 05 48 13-0199 EA 4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	556.37	250.68
23 05 48 13-0200 EA 4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	648.75	251.30
23 05 48 13-0201 EA 4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	742.63	250.68
23 05 48 13-0202 EA 4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	847.59	250.68
23 05 48 13-0203 EA 4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	927.80	250.68
23 05 48 13-0204 EA 6" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	815.24	310.57
23 05 48 13-0205 EA 6" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,024.55	310.57
23 05 48 13-0206 EA 6" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,233.98	311.69



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0207 EA 6" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,443.32	310.57
23 05 48 13-0208 EA 6" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,652.63	310.57
23 05 48 13-0209 EA 8" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,279.31	379.07
23 05 48 13-0210 EA 8" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,437.66	379.07
23 05 48 13-0211 EA 8" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,751.61	379.07
23 05 48 13-0212 EA 8" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	2,065.68	379.07
23 05 48 13-0213 EA 8" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	2,379.61	379.07
23 05 48 13-0214 EA 10" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	2,017.65	461.47
23 05 48 13-0215 EA 10" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	2,412.16	461.47
23 05 48 13-0216 EA 10" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	2,809.32	461.47
23 05 48 13-0217 EA 10" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	3,205.64	461.47
23 05 48 13-0218 EA 10" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	3,525.93	461.47
23 05 48 13-0219 EA 12" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	2,706.22	560.36
23 05 48 13-0220 EA 12" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	3,206.85	560.36
23 05 48 13-0221 EA 12" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	3,707.44	560.36
23 05 48 13-0222 EA 12" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	4,208.04	560.36
23 05 48 13-0223 EA 12" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	4,708.67	560.36

23 05 53 Identification For HVAC Piping And Equipment ^(23 05)

23 05 53 00-0001 Systems Identification ^(23 05 53)
23 05 53 00-0002 Pipe Marker Snap-On Type Plastic ^(23 05 53 00-0001)

Note: Outside diameters include insulation where necessary.

23 05 53 00-0003 EA 1/2" Outside Diameter Snap-On Plastic Marker.....	11.70
23 05 53 00-0004 EA 3/4" Outside Diameter Snap-On Plastic Marker.....	11.94
23 05 53 00-0005 EA 1" Outside Diameter Snap-On Plastic Marker.....	12.07
23 05 53 00-0006 EA 1-1/4" Outside Diameter Snap-On Plastic Marker.....	12.27
23 05 53 00-0007 EA 1-1/2" Outside Diameter Snap-On Plastic Marker.....	13.63
23 05 53 00-0008 EA 2" Outside Diameter Snap-On Plastic Marker.....	14.06
23 05 53 00-0009 EA 2-1/2" Outside Diameter Snap-On Plastic Marker.....	19.85
23 05 53 00-0010 EA 3" Outside Diameter Snap-On Plastic Marker.....	20.19
23 05 53 00-0011 EA 3-1/2" Outside Diameter Snap-On Plastic Marker.....	20.55
23 05 53 00-0012 EA 4" Outside Diameter Snap-On Plastic Marker.....	20.75
23 05 53 00-0013 EA 4-1/2" Outside Diameter Snap-On Plastic Marker.....	20.96
23 05 53 00-0014 EA 5" Outside Diameter Snap-On Plastic Marker.....	21.17
23 05 53 00-0015 EA 6" Outside Diameter Snap-On Plastic Marker.....	22.04
23 05 53 00-0016 EA 7" Outside Diameter Snap-On Plastic Marker.....	22.27
23 05 53 00-0017 EA 8" Outside Diameter Snap-On Plastic Marker.....	26.24
23 05 53 00-0018 EA 10" Outside Diameter Snap-On Plastic Marker.....	27.52
23 05 53 00-0019 EA 12" Outside Diameter Snap-On Plastic Marker.....	32.00
23 05 53 00-0020 EA 14" Outside Diameter Snap-On Plastic Marker.....	36.60

23 05 53 00-0021 Pipe Markers Pressure-Sensitive ^(23 05 53 00-0001)

Note: Stick on include arrow tape. Outside diameter includes insulation where necessary.

23 05 53 00-0022 EA 1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	10.53
23 05 53 00-0023 EA 3/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	11.01
23 05 53 00-0024 EA 1" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	11.96
23 05 53 00-0025 EA 1-1/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	12.16
23 05 53 00-0026 EA 1-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	12.90
23 05 53 00-0027 EA 2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	13.19
23 05 53 00-0028 EA 2-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	14.70
23 05 53 00-0029 EA 3" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	15.08
23 05 53 00-0030 EA 3-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	15.36
23 05 53 00-0031 EA 4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	15.66
23 05 53 00-0032 EA 4-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	16.26
23 05 53 00-0033 EA 5" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	16.89
23 05 53 00-0034 EA 6" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	17.47
23 05 53 00-0035 EA 7" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	18.02
23 05 53 00-0036 EA 8" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	19.72
23 05 53 00-0037 EA 10" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	20.77
23 05 53 00-0038 EA 12" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	24.16

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 53 Identification For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 53 00-0039 Valve Identification Tag ^(23 05 53 00-0001) Note: Includes beaded chain and/or "S" hook.		
23 05 53 00-0040 EA 2" Diameter Identification Tag, Brass.....	9.14	
23 05 53 00-0041 EA 1-1/2" Diameter Identification Tag, Plastic.....	8.73	
23 05 53 00-0042 EA 1-1/2" Diameter Identification Tag, Brass.....	8.60	
 23 05 66 Anti-Microbial Ultraviolet Emitters For HVAC Ducts And Equipment ^(23 05)		
23 05 66 00-0001 Double Ended Ultraviolet HVAC Microbial Control Fixtures ^(23 05 66)		
23 05 66 00-0002 EA 18" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-181-VO)..... Note: Includes tube.	486.59	64.36
23 05 66 00-0003 EA 24" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-241-VO)..... Note: Includes tube.	508.19	67.55
23 05 66 00-0004 EA 30" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-301-VO)..... Note: Includes tube.	511.52	70.45
23 05 66 00-0005 EA 36" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-361-VO)..... Note: Includes tube.	535.35	74.01
23 05 66 00-0006 EA 42" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-421-VO)..... Note: Includes tube.	577.53	77.20
23 05 66 00-0007 EA 62" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-621-VO)..... Note: Includes tube.	657.92	79.61
 23 05 66 00-0008 Single Ended Ultraviolet HVAC Microbial Control Fixtures ^(23 05 66)		
23 05 66 00-0009 EA 12" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-121-VO)..... Note: Includes tube.	419.37	44.59
23 05 66 00-0010 EA 16" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-161-VO)..... Note: Includes tube.	427.50	48.25
23 05 66 00-0011 EA 20" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-201-VO)..... Note: Includes tube.	435.79	51.15
23 05 66 00-0012 EA 24" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-241-VO)..... Note: Includes tube.	437.03	55.01
23 05 66 00-0013 EA 30" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-301-VO)..... Note: Includes tube.	455.04	57.90
23 05 66 00-0014 EA 36" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-361-VO)..... Note: Includes tube.	466.28	60.80
23 05 66 00-0015 EA 42" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-421-VO)..... Note: Includes tube.	477.59	64.65
23 05 66 00-0016 EA 12" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-121-VO)..... Note: Includes tube.	488.77	44.59
23 05 66 00-0017 EA 16" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-161-VO)..... Note: Includes tube.	496.90	48.25
23 05 66 00-0018 EA 20" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-201-VO)..... Note: Includes tube.	505.20	51.15
23 05 66 00-0019 EA 24" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-241-VO)..... Note: Includes tube.	506.43	55.01
23 05 66 00-0020 EA 30" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-301-VO)..... Note: Includes tube.	524.44	57.90
23 05 66 00-0021 EA 36" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-361-VO)..... Note: Includes tube.	535.69	60.80
23 05 66 00-0022 EA 42" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-421-VO)..... Note: Includes tube.	546.99	64.65
23 05 66 00-0023 EA 16" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-161-VO)..... Note: Includes tube.	345.88	48.25
23 05 66 00-0024 EA 20" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-201-VO)..... Note: Includes tube.	354.18	51.15
23 05 66 00-0025 EA 24" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-241-VO)..... Note: Includes tube.	355.41	55.01
23 05 66 00-0026 EA 30" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-301-VO)..... Note: Includes tube.	373.43	57.90
23 05 66 00-0027 EA 36" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-361-VO)..... Note: Includes tube.	384.67	60.80
23 05 66 00-0028 EA 42" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-421-VO)..... Note: Includes tube.	395.98	64.65
 23 05 66 00-0029 Fan Coil Unit Ultraviolet Microbial Control Fixtures ^(23 05 66)		
23 05 66 00-0030 EA 16" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire)..... Note: Includes tube.	313.07	61.76
23 05 66 00-0031 EA 20" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire)..... Note: Includes tube.	321.14	64.65
23 05 66 00-0032 EA 24" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire)..... Note: Includes tube.	329.19	67.55
23 05 66 00-0033 EA 30" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire)..... Note: Includes tube.	339.36	70.45
23 05 66 00-0034 EA 36" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire)..... Note: Includes tube.	351.91	74.01
23 05 66 00-0035 EA 42" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire)..... Note: Includes tube.	363.22	77.20



	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 05 66 00-0036	Ultraviolet HVAC Microbial Control Replacement Parts <small>(23 05 66)</small>		
23 05 66 00-0037	EA 18" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-16-VO).....	82.72	
23 05 66 00-0038	EA 24" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-22-VO).....	86.85	
23 05 66 00-0039	EA 30" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-28-VO).....	97.72	
23 05 66 00-0040	EA 36" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-34-VO).....	111.57	
23 05 66 00-0041	EA 42" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-40-VO).....	125.72	
23 05 66 00-0042	EA 62" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-60-VO).....	152.78	
23 05 66 00-0043	EA 12" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-12-VO).....	79.82	
23 05 66 00-0044	EA 16" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-16-VO).....	84.07	
23 05 66 00-0045	EA 20" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-20-VO).....	88.52	
23 05 66 00-0046	EA 24" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-24-VO).....	85.89	
23 05 66 00-0047	EA 30" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-30-VO).....	100.05	
23 05 66 00-0048	EA 36" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-36-VO).....	107.43	
23 05 66 00-0049	EA 42" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-42-VO).....	114.87	
23 05 66 00-0050	EA Replacement Power Supply For Ultraviolet Microbial Control Fixture (Steril-Aire).....	232.94	

23 05 66 00-0051	Ultraviolet HVAC Microbial Control Mounting Accessories <small>(23 05 66)</small>		
23 05 66 00-0052	EA Two Spring Clip, 61" Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006610).....	424.85	
	Note: Includes 61" emitter, power supply, wires and connectors.		
23 05 66 00-0053	EA Two Spring Clip, 61" Sleeved Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006620).....	533.57	
	Note: Includes 61" emitter, power supply, wires and connectors.		
23 05 66 00-0054	EA Two Spring Clip, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-1).....	257.02	
	Note: Includes power supply, wires and connectors. Excludes emitter.		
23 05 66 00-0055	EA Two Short Hook Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-2).....	270.33	
	Note: Includes power supply, wires and connectors. Excludes emitter.		
23 05 66 00-0056	EA Flat Plate For Metal, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-3).....	328.19	
	Note: Includes power supply, wires and connectors. Excludes emitter.		
23 05 66 00-0057	EA Flat Plate For Plastic, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-4).....	211.32	
	Note: Includes power supply, wires and connectors. Excludes emitter.		
23 05 66 00-0058	EA Insert Lamp Holder, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-5).....	227.69	
	Note: Includes power supply, wires and connectors. Excludes emitter.		
23 05 66 00-0059	EA 16" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-6).....	302.29	
	Note: Includes power supply, wires and connectors. Excludes emitter.		
23 05 66 00-0060	EA 12" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-7).....	298.51	
	Note: Includes power supply, wires and connectors. Excludes emitter.		
23 05 66 00-0061	LF 30 x 30 mm Framing Structure For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000101).....	11.37	
23 05 66 00-0062	EA Vertical Support Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000111).....	39.09	
23 05 66 00-0063	EA Joint Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000112).....	14.21	
23 05 66 00-0064	EA Emitter Mounting Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000113).....	13.55	
23 05 66 00-0065	EA Foundation Bracket FB 8WA For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000104).....	36.39	
23 05 66 00-0066	EA Slider Assembly Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000114).....	39.93	
23 05 66 00-0067	EA Splice Kit For Horizontal Rows For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000108).....	35.73	
23 05 66 00-0068	EA Gusset Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000115).....	29.44	
23 05 66 00-0069	EA ISO "A" Bracket Hanger For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000109).....	27.94	
23 05 66 00-0070	EA DE Boot Kit UV Resistant For 1 DE Fixture For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000223).....	16.19	
23 05 66 00-0071	EA DE Wiring Kit For Up To 65" (DE Bank Install) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000603).....	31.12	
23 05 66 00-0072	EA Cleaning Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000100).....	16.25	
23 05 66 00-0073	EA 480 To 220 Volt AC / 180 VA Step-Down Transformer For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000503).....	59.66	
23 05 66 00-0074	EA Interlock Switch (16 Amps At 125 Volt, 10 Amps At 250 Volt Maximum Ampacity) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000120).....	62.48	

23 05 93 Testing, Adjusting, And Balancing For HVAC (23 05)
 Note: New systems include all necessary testing, startup, and checkout. Use these tasks for testing, startup, and checkout of existing systems.

23 05 93 00-0001	Heating And Ventilating Equipment <small>(23 05 93)</small>		
23 05 93 00-0002	EA Balancing Centrifugal Fans.....	412.89	
	<i>For Testing Of Unit Without Balancing, Deduct</i>	-206.45	
23 05 93 00-0003	EA Balancing Heating And Ventilating Units.....	515.91	
	<i>For Testing Of Unit Without Balancing, Deduct</i>	-257.96	
23 05 93 00-0004	EA Balancing In Line Fan.....	464.51	
	<i>For Testing Of Unit Without Balancing, Deduct</i>	-232.26	
23 05 93 00-0005	EA Balancing Propeller And Wall Fan.....	103.23	
	<i>For Testing Of Unit Without Balancing, Deduct</i>	-51.62	
23 05 93 00-0006	EA Balancing Roof Exhaust Fan.....	309.65	
	<i>For Testing Of Unit Without Balancing, Deduct</i>	-154.83	
23 05 93 00-0007	EA Balancing Wall Fan.....	77.40	
	<i>For Testing Of Unit Without Balancing, Deduct</i>	-38.70	
23 05 93 00-0008	EA Balancing Fan Section Exhaust.....	412.24	
	<i>For Testing Of Unit Without Balancing, Deduct</i>	-206.12	

23 05 93 00-0009	Air Conditioning Equipment <small>(23 05 93)</small>		
23 05 93 00-0010	EA Balancing Constant Volume Air Handling Unit.....	682.03	
	<i>For Testing Of Unit Without Balancing, Deduct</i>	-341.02	
23 05 93 00-0011	EA Balancing Package A/C Unit.....	255.76	
	<i>For Testing Of Unit Without Balancing, Deduct</i>	-127.88	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 93 Testing, Adjusting, And Balancing For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0012 EA Balancing Rooftop Heat And Cool Unit.....	341.01	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-170.51	
23 05 93 00-0013 EA Balancing Variable Volume Air Handling Unit.....	1,193.55	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-596.78	
23 05 93 00-0014 Registers, Diffusers, Terminal Air Units And Dampers (23 05 93)		
23 05 93 00-0015 EA Balancing HVAC Duct System, Ceiling Height To 12' Supply, Return, Exhaust, Register And Diffuser	77.42	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-38.71	
23 05 93 00-0016 EA Balancing HVAC Duct System, Ceiling Height >12' Supply, Return, Exhaust, Register And Diffuser.....	129.03	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-64.52	
23 05 93 00-0017 EA Balancing HVAC Duct System, Floor Height Supply, Return, Exhaust, Register And Diffuser	67.10	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-33.55	
23 05 93 00-0018 EA Balance Variable Air Volume Box.....	72.70	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-36.35	
23 05 93 00-0019 EA Balance Constant Volume Box	72.70	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-36.35	
23 05 93 00-0020 EA Balance Fan Powered Box	82.58	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-41.29	
23 05 93 00-0021 EA Balance Lab Fume Hood	335.49	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-167.75	
23 05 93 00-0022 EA Balance General Hood.....	258.06	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-129.03	
23 05 93 00-0023 EA Balance Induction Unit.....	154.84	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-77.42	
23 05 93 00-0024 EA Balance Moduline - Master	61.92	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-30.96	
23 05 93 00-0025 EA Balance Moduline - Slave	30.96	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-15.48	
23 05 93 00-0026 EA Balance Dampers	28.75	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-14.38	
23 05 93 00-0027 EA Balance Regenerators	412.24	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-206.12	
23 05 93 00-0028 Water Balancing Of Components (23 05 93)		
23 05 93 00-0029 EA Water Balance, Air Cool Condenser	468.94	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-234.47	
23 05 93 00-0030 EA Water Balance, Cabinet Heater	59.68	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-29.84	
23 05 93 00-0031 EA Water Balance, Chiller, Air Cooled.....	511.48	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-255.74	
23 05 93 00-0032 EA Water Balance, Chiller, Water Cooled	682.03	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-341.02	
23 05 93 00-0033 EA Water Balance, Cooling Tower	341.01	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-170.51	
23 05 93 00-0034 EA Water Balance, Fan Coil And Vent	85.30	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-42.65	
23 05 93 00-0035 EA Water Balance, Fin Tube And Radiant Panel	85.25	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-42.63	
23 05 93 00-0036 EA Water Balance, Main And Duct Re-Heat Coil	93.78	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-46.89	
23 05 93 00-0037 EA Water Balance, Pumps	255.77	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-127.89	
23 05 93 00-0038 EA Water Balance, Unit Heater	59.68	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-29.84	
23 05 93 00-0039 EA Water Balancing, Converter.....	255.86	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-127.93	
23 05 93 00-0040 EA Water Balancing, Cocks And Valves.....	42.62	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-21.31	
23 05 93 00-0041 EA Water Balance, Convector	51.15	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-25.58	
23 05 93 00-0042 EA Water Balancing, Backflow Preventer Or Reduced Pressure Zone Valves	63.95	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-31.98	
23 05 93 00-0043 EA Water Balance, Boiler, Up To 500 MBH.....	554.15	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-277.08	
23 05 93 00-0044 EA >500 To 1,000 MBH, Water Balance, Boiler	1,023.05	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-511.53	
23 05 93 00-0045 EA >1,000 MBH, Water Balance, Boiler	1,875.59	
<i>For Testing Of Unit Without Balancing, Deduct</i>	-937.80	
23 05 93 00-0046 Non Destructive Testing (23 05 93)		
23 05 93 00-0047 X-Ray Welds, Non-Destructive Testing (23 05 93 00-0046)		
23 05 93 00-0048 X-Ray Welds Minimum Set-Up Charge (23 05 93 00-0047)		
23 05 93 00-0049 EA X-Ray Welds Minimum Set-Up Charge.....	777.31	
Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
23 05 93 00-0050 Piping, X-Ray Welds, Non Destructive Testing (23 05 93 00-0047)		
23 05 93 00-0051 EA Up To 3/4" Piping, X-Ray Welds, Non Destructive Testing	69.64	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				23 05 93 00-0052 EA 1" Piping, X-Ray Welds, Non Destructive Testing	79.29	
				23 05 93 00-0053 EA 1-1/4" - 1-1/2" Piping, X-Ray Welds, Non Destructive Testing.....	88.95	
				23 05 93 00-0054 EA 2" Piping, X-Ray Welds, Non Destructive Testing	93.99	
				23 05 93 00-0055 EA 3" Piping, X-Ray Welds, Non Destructive Testing	99.02	
				23 05 93 00-0056 EA 4" Piping, X-Ray Welds, Non Destructive Testing	104.46	
				23 05 93 00-0057 EA 6" Piping, X-Ray Welds, Non Destructive Testing	114.52	
				23 05 93 00-0058 EA 8" Piping, X-Ray Welds, Non Destructive Testing	124.58	
				23 05 93 00-0059 EA 10" Piping, X-Ray Welds, Non Destructive Testing	130.01	
				23 05 93 00-0060 EA 12" Piping, X-Ray Welds, Non Destructive Testing	135.44	
23 05 93 00-0061				Liquid Penetration Of Welds, Non Destructive Testing <small>(23 05 93 00-0046)</small>		
23 05 93 00-0062				Piping, Liquid Penetration Of Welds, Non Destructive Testing <small>(23 05 93 00-0061)</small>		
				23 05 93 00-0063 EA Up To 3/4" Piping, Liquid Penetration Of Welds, Non Destructive Testing	79.59	
				23 05 93 00-0064 EA 1" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	84.23	
				23 05 93 00-0065 EA 1-1/4" - 1-1/2" Piping, Liquid Penetration Of Welds, Non Destructive Testing	88.86	
				23 05 93 00-0066 EA 2" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	91.17	
				23 05 93 00-0067 EA 3" Piping, Liquid Penetration Of Welds, Non Destructive Testing	94.64	
				23 05 93 00-0068 EA 4" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	98.12	
				23 05 93 00-0069 EA 6" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	105.06	
				23 05 93 00-0070 EA 8" Piping, Liquid Penetration Of Welds, Non Destructive Testing	112.00	
				23 05 93 00-0071 EA 10" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	118.96	
				23 05 93 00-0072 EA 12" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	125.90	
23 05 93 00-0073				Hydrostatic Testing <small>(23 05 93 00-0046)</small>		
				Note: Includes flushing and restoring of system.		
23 05 93 00-0074				Piping, Hydrostatic Testing <small>(23 05 93 00-0073)</small>		
				23 05 93 00-0075 EA Up To 100', Up To 1-1/2" Piping, Hydrostatic Testing.....	609.26	
				23 05 93 00-0076 EA >100' To 250', Up To 1-1/2" Piping, Hydrostatic Testing	870.38	
				23 05 93 00-0077 EA >250' To 500', Up To 1-1/2" Piping, Hydrostatic Testing	1,042.88	
				23 05 93 00-0078 EA >500' To 1,000', Up To 1-1/2" Piping, Hydrostatic Testing	1,389.12	
				23 05 93 00-0079 EA >1,000' To 2,000', Up To 1-1/2" Piping, Hydrostatic Testing.....	2,104.73	
				23 05 93 00-0080 EA Up To 100', >1-1/2" To 4" Piping, Hydrostatic Testing.....	810.08	
				23 05 93 00-0081 EA >100' To 250', >1-1/2" To 4" Piping, Hydrostatic Testing.....	1,157.60	
				23 05 93 00-0082 EA >250' To 500', >1-1/2" To 4" Piping, Hydrostatic Testing.....	1,378.09	
				23 05 93 00-0083 EA >500' To 1,000', >1-1/2" To 4" Piping, Hydrostatic Testing.....	1,805.84	
				23 05 93 00-0084 EA >1,000' To 2,000', >1-1/2" To 4" Piping, Hydrostatic Testing.....	2,731.92	
				23 05 93 00-0085 EA Up To 100', >4" To 10" Piping, Hydrostatic Testing	1,055.73	
				23 05 93 00-0086 EA >100' To 250', >4" To 10" Piping, Hydrostatic Testing	1,504.88	
				23 05 93 00-0087 EA >250' To 500', >4" To 10" Piping, Hydrostatic Testing.....	1,568.08	
				23 05 93 00-0088 EA >500' To 1,000', >4" To 10" Piping, Hydrostatic Testing.....	2,054.30	
				23 05 93 00-0089 EA >1,000' To 2,000', >4" To 10" Piping, Hydrostatic Testing.....	3,107.78	
				23 05 93 00-0090 EA Up To 100', >10" To 14" Piping, Hydrostatic Testing.....	1,370.60	
				23 05 93 00-0091 EA >100' To 250', >10" To 14" Piping, Hydrostatic Testing.....	1,954.01	
				23 05 93 00-0092 EA >250' To 500', >10" To 14" Piping, Hydrostatic Testing.....	2,038.90	
				23 05 93 00-0093 EA >500' To 1,000', >10" To 14" Piping, Hydrostatic Testing.....	2,674.23	
				23 05 93 00-0094 EA >1,000' To 2,000', >10" To 14" Piping, Hydrostatic Testing.....	4,051.87	
23 05 93 00-0095				Pneumatic Testing <small>(23 05 93 00-0046)</small>		
				Note: Includes soaping joints flushing and restoring of system. Can be used for gas or smoke test.		
23 05 93 00-0096				Piping, Pneumatic Testing <small>(23 05 93 00-0095)</small>		
				23 05 93 00-0097 EA Up To 100', Up To 1-1/2" Piping, Pneumatic Testing.....	692.85	
				Note: Includes soaping joints.		
				23 05 93 00-0098 EA >100' To 250', Up To 1-1/2" Piping, Pneumatic Testing	988.63	
				Note: Includes soaping joints.		
				23 05 93 00-0099 EA >250' To 500', Up To 1-1/2" Piping, Pneumatic Testing	1,067.50	
				Note: Includes soaping joints.		
				23 05 93 00-0100 EA >500' To 1,000', Up To 1-1/2" Piping, Pneumatic Testing.....	1,367.29	
				Note: Includes soaping joints.		
				23 05 93 00-0101 EA >1,000' To 2,000', Up To 1-1/2" Piping, Pneumatic Testing.....	2,138.66	
				Note: Includes soaping joints.		
				23 05 93 00-0102 EA Up To 100', >1-1/2" To 4" Piping, Pneumatic Testing.....	904.07	
				Note: Includes soaping joints.		
				23 05 93 00-0103 EA >100' To 250', >1-1/2" To 4" Piping, Pneumatic Testing.....	1,283.75	
				Note: Includes soaping joints.		
				23 05 93 00-0104 EA >250' To 500', >1-1/2" To 4" Piping, Pneumatic Testing.....	1,387.66	
				Note: Includes soaping joints.		
				23 05 93 00-0105 EA >500' To 1,000', >1-1/2" To 4" Piping, Pneumatic Testing.....	1,777.83	
				Note: Includes soaping joints.		
				23 05 93 00-0106 EA >1,000' To 2,000', >1-1/2" To 4" Piping, Pneumatic Testing.....	2,779.86	
				Note: Includes soaping joints.		
				23 05 93 00-0107 EA Up To 100', >4" To 10" Piping, Pneumatic Testing.....	1,088.34	
				Note: Includes soaping joints.		
				23 05 93 00-0108 EA >100' To 250', >4" To 10" Piping, Pneumatic Testing.....	1,535.92	
				Note: Includes soaping joints.		
				23 05 93 00-0109 EA >250' To 500', >4" To 10" Piping, Pneumatic Testing.....	1,716.67	
				Note: Includes soaping joints.		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 93 Testing, Adjusting, And Balancing For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0110 EA >500' To 1,000', >4" To 10" Piping, Pneumatic Testing..... Note: Includes soaping joints.	2,193.46	
23 05 93 00-0111 EA >1,000' To 2,000', >4" To 10" Piping, Pneumatic Testing..... Note: Includes soaping joints.	3,434.75	
23 05 93 00-0112 EA Up To 100', >10" To 14" Piping, Pneumatic Testing..... Note: Includes soaping joints.	1,417.13	
23 05 93 00-0113 EA >100' To 250', >10" To 14" Piping, Pneumatic Testing..... Note: Includes soaping joints.	1,996.84	
23 05 93 00-0114 EA >250' To 500', >10" To 14" Piping, Pneumatic Testing..... Note: Includes soaping joints.	2,232.34	
23 05 93 00-0115 EA >500' To 1,000', >10" To 14" Piping, Pneumatic Testing..... Note: Includes soaping joints.	2,852.05	
23 05 93 00-0116 EA >1,000' To 2,000', >10" To 14" Piping, Pneumatic Testing..... Note: Includes soaping joints.	4,472.36	
23 05 93 00-0117 EPA Testing Of Sludge (23 05 93)		
23 05 93 00-0118 EA Flashpoint And Lead Test For Lead.....	619.81	
23 05 93 00-0119 EA Air Test/Combustion Gas Level.....	68.57	
23 05 93 00-0120 EA Toxicity Test For Heavy Metals.....	949.73	
23 05 93 00-0121 EA Aboveground Tank Water Settlement Test Including Water.....	721.73	

23 07 HVAC Insulation (23)**23 07 13 Duct Insulation (23 07)**

Note: Based on SF surface area of duct to receive insulation.

23 07 13 00-0001 FSK Fiber Glass Duct Wrap Insulation (23 07 13)

Note: Foil-scrim kraft (FSK) facing lapped and joints sealed vapor tight. See CSI section 23 33 53 00-0000 for internal duct insulation.

23 07 13 00-0002 Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)

23 07 13 00-0003 SF 1" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	2.62	1.85
For Plain Blanket, With No Facing, Deduct	-0.06	
For Work In Restricted Working Space, Add	0.74	
23 07 13 00-0004 SF 1-1/2" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	3.07	1.85
For Plain Blanket, With No Facing, Deduct	-0.07	
For Work In Restricted Working Space, Add	0.87	
23 07 13 00-0005 SF 2" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	3.50	2.77
For Plain Blanket, With No Facing, Deduct	-0.08	
For Work In Restricted Working Space, Add	0.99	
23 07 13 00-0006 SF 3" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	4.09	3.23
For Plain Blanket, With No Facing, Deduct	-0.10	
For Work In Restricted Working Space, Add	1.16	
23 07 13 00-0007 SF 4" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	4.53	3.51
For Plain Blanket, With No Facing, Deduct	-0.15	
For Work In Restricted Working Space, Add	1.25	

23 07 13 00-0008 Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)

23 07 13 00-0009 SF 1" Thick, Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	3.26	2.77
For Plain Blanket, With No Facing, Deduct	-0.07	
For Work In Restricted Working Space, Add	0.92	
23 07 13 00-0010 SF 1-1/2" Thick, Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	3.77	3.23
For Plain Blanket, With No Facing, Deduct	-0.09	
For Work In Restricted Working Space, Add	1.07	
23 07 13 00-0011 SF 2" Thick, Type 100 (1.0 LB/CF) Fiber Glass FSK Duct Wrap Insulation.....	4.45	3.69
For Plain Blanket, With No Facing, Deduct	-0.10	
For Work In Restricted Working Space, Add	1.26	

23 07 13 00-0012 Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)

23 07 13 00-0013 SF 1" Thick, Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	4.02	3.69
For Plain Blanket, With No Facing, Deduct	-0.12	
For Work In Restricted Working Space, Add	1.11	
23 07 13 00-0014 SF 1-1/2" Thick, Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	4.77	4.15
For Plain Blanket, With No Facing, Deduct	-0.21	
For Work In Restricted Working Space, Add	1.27	
23 07 13 00-0015 SF 2" Thick, Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	5.55	4.62
For Plain Blanket, With No Facing, Deduct	-0.25	
For Work In Restricted Working Space, Add	1.48	

23 07 13 00-0016 3 LB/CF FSK Rigid Fiber Glass Board Insulation (23 07 13)

Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fasteners.

23 07 13 00-0017 SF 1" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation.....	8.32	5.06
For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	19.76	
For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	14.47	
For Non-Metallic Weatherproof Paste, 2 LB, Add	11.97	
For Work In Restricted Working Space, Add	2.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 13 00-0018 SF 1-1/2" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation <i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i> <i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i> <i>For Non-Metallic Weatherproof Paste, 2 LB, Add</i> <i>For Work In Restricted Working Space, Add</i>	10.16 24.08 17.65 14.60 2.99	6.16
23 07 13 00-0019 SF 2" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation..... <i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i> <i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i> <i>For Non-Metallic Weatherproof Paste, 2 LB, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.28 29.06 21.31 17.63 3.61	7.43
23 07 13 00-0020 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation (23 07 13) Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fastener.		
23 07 13 00-0021 SF 1" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.43 2.71	5.57
23 07 13 00-0022 SF 1-1/2" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.90 3.29	6.77
23 07 13 00-0023 SF 2" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation..... <i>For Work In Restricted Working Space, Add</i>	14.86 3.98	8.18
23 07 13 00-0024 Sheet Flexible Elastomeric Insulation (23 07 13)		
23 07 13 00-0025 SF 3/8" Thick, Sheet Flexible Elastomeric Insulation	7.99	2.49
23 07 13 00-0026 SF 1/2" Thick, Sheet Flexible Elastomeric Insulation	8.54	2.64
23 07 13 00-0027 SF 3/4" Thick, Sheet Flexible Elastomeric Insulation	11.32	2.77
23 07 13 00-0028 SF 1" Thick, Sheet Flexible Elastomeric Insulation	13.11	2.91
23 07 13 00-0029 SF 1-1/2" Thick, Sheet Flexible Elastomeric Insulation	18.29	3.19
23 07 13 00-0030 SF 2" Thick, Sheet Flexible Elastomeric Insulation	21.69	3.46
23 07 13 00-0031 Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation (23 07 13) Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0032 SF 1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	12.01	2.64
23 07 13 00-0033 SF 3/4" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	13.23	2.77
23 07 13 00-0034 SF 1" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	14.77	2.91
23 07 13 00-0035 SF 1-1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	23.28	3.19
23 07 13 00-0036 SF 2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	27.65	3.46
23 07 13 00-0037 Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation (23 07 13) Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0038 SF 1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	14.48	2.64
23 07 13 00-0039 SF 3/4" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	15.70	2.77
23 07 13 00-0040 SF 1" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	17.68	2.91
23 07 13 00-0041 SF 1-1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	26.16	3.19
23 07 16 HVAC Equipment Insulation (23 07)		
23 07 16 00-0001 Calcium Silicate Block Insulation (23 07 16)		
23 07 16 00-0002 SF 1" Thick, Calcium Silicate Block Insulation <i>For Work In Restricted Working Space, Add</i>	13.63 3.65	6.09
23 07 16 00-0003 SF 1-1/2" Thick, Calcium Silicate Block Insulation <i>For Work In Restricted Working Space, Add</i>	15.88 4.10	6.84
23 07 16 00-0004 SF 2" Thick, Calcium Silicate Block Insulation <i>For Work In Restricted Working Space, Add</i>	18.77 4.75	7.89
23 07 16 00-0005 SF 2-1/2" Thick, Calcium Silicate Block Insulation <i>For Work In Restricted Working Space, Add</i>	22.20 5.56	9.26
23 07 16 00-0006 SF 3" Thick, Calcium Silicate Block Insulation <i>For Work In Restricted Working Space, Add</i>	27.21 6.84	11.41
23 07 19 HVAC Piping Insulation (23 07) See CSI section 22 07 19 00-0000 for pipe insulation.		
23 07 19 00-0001 Calcium Silicate Pipe Insulation (23 07 19) Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint. See CSI section 22 07 19 00-0506 for protective jacketing.		
23 07 19 00-0002 1" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0003 LF 1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	11.40 2.28	3.04
23 07 19 00-0004 LF 3/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	11.40 2.28	3.04
23 07 19 00-0005 LF 1" Diameter Pipe, 1" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	11.35 2.31	3.08

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 07 HVAC Insulation****23 07 19 HVAC Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0006 LF 1-1/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	11.52	3.12
<i>For Work In Restricted Working Space, Add</i>	2.34	
23 07 19 00-0007 LF 1-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	11.66	3.17
<i>For Work In Restricted Working Space, Add</i>	2.38	
23 07 19 00-0008 LF 2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	12.46	3.26
<i>For Work In Restricted Working Space, Add</i>	2.44	
23 07 19 00-0009 LF 2-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	13.03	3.39
<i>For Work In Restricted Working Space, Add</i>	2.54	
23 07 19 00-0010 LF 3" Diameter Pipe, 1" Thick Calcium Silicate Insulation	13.58	3.47
<i>For Work In Restricted Working Space, Add</i>	2.60	
23 07 19 00-0011 LF 4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	15.48	3.74
<i>For Work In Restricted Working Space, Add</i>	2.81	
23 07 19 00-0012 LF 6" Diameter Pipe, 1" Thick Calcium Silicate Insulation	17.24	4.21
<i>For Work In Restricted Working Space, Add</i>	3.16	
23 07 19 00-0013 1-1/2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0014 LF 1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	11.93	3.16
<i>For Work In Restricted Working Space, Add</i>	2.37	
23 07 19 00-0015 LF 3/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	12.00	3.16
<i>For Work In Restricted Working Space, Add</i>	2.37	
23 07 19 00-0016 LF 1" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	12.84	3.35
<i>For Work In Restricted Working Space, Add</i>	2.51	
23 07 19 00-0017 LF 1-1/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	13.34	3.41
<i>For Work In Restricted Working Space, Add</i>	2.56	
23 07 19 00-0018 LF 1-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	13.86	3.48
<i>For Work In Restricted Working Space, Add</i>	2.61	
23 07 19 00-0019 LF 2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	14.86	3.67
<i>For Work In Restricted Working Space, Add</i>	2.75	
23 07 19 00-0020 LF 2-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	15.54	3.73
<i>For Work In Restricted Working Space, Add</i>	2.80	
23 07 19 00-0021 LF 3" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	16.13	3.85
<i>For Work In Restricted Working Space, Add</i>	2.89	
23 07 19 00-0022 LF 4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	17.95	4.17
<i>For Work In Restricted Working Space, Add</i>	3.13	
23 07 19 00-0023 LF 6" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	20.82	4.87
<i>For Work In Restricted Working Space, Add</i>	3.65	
23 07 19 00-0024 LF 8" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	24.31	5.14
<i>For Work In Restricted Working Space, Add</i>	3.86	
23 07 19 00-0025 LF 10" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	30.55	6.15
<i>For Work In Restricted Working Space, Add</i>	4.61	
23 07 19 00-0026 LF 12" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	35.91	7.16
<i>For Work In Restricted Working Space, Add</i>	5.37	
23 07 19 00-0027 LF 14" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	39.97	7.85
<i>For Work In Restricted Working Space, Add</i>	5.89	
23 07 19 00-0028 LF 16" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	47.75	9.99
<i>For Work In Restricted Working Space, Add</i>	7.49	
23 07 19 00-0029 LF 18" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	51.41	10.49
<i>For Work In Restricted Working Space, Add</i>	7.87	
23 07 19 00-0030 2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0031 LF 1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	15.04	3.47
<i>For Work In Restricted Working Space, Add</i>	2.60	
23 07 19 00-0032 LF 3/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	15.38	3.47
<i>For Work In Restricted Working Space, Add</i>	2.60	
23 07 19 00-0033 LF 1" Diameter Pipe, 2" Thick Calcium Silicate Insulation	15.85	3.52
<i>For Work In Restricted Working Space, Add</i>	2.64	
23 07 19 00-0034 LF 1-1/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	16.47	3.56
<i>For Work In Restricted Working Space, Add</i>	2.67	
23 07 19 00-0035 LF 1-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	16.91	3.60
<i>For Work In Restricted Working Space, Add</i>	2.70	
23 07 19 00-0036 LF 2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	17.64	3.74
<i>For Work In Restricted Working Space, Add</i>	2.81	
23 07 19 00-0037 LF 2-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	19.65	3.87
<i>For Work In Restricted Working Space, Add</i>	2.90	
23 07 19 00-0038 LF 3" Diameter Pipe, 2" Thick Calcium Silicate Insulation	20.02	4.00
<i>For Work In Restricted Working Space, Add</i>	3.00	
23 07 19 00-0039 LF 4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	22.12	4.23
<i>For Work In Restricted Working Space, Add</i>	3.17	
23 07 19 00-0040 LF 6" Diameter Pipe, 2" Thick Calcium Silicate Insulation	27.11	5.06
<i>For Work In Restricted Working Space, Add</i>	3.80	
23 07 19 00-0041 LF 8" Diameter Pipe, 2" Thick Calcium Silicate Insulation	30.56	5.34
<i>For Work In Restricted Working Space, Add</i>	4.01	
23 07 19 00-0042 LF 10" Diameter Pipe, 2" Thick Calcium Silicate Insulation	37.60	6.40
<i>For Work In Restricted Working Space, Add</i>	4.80	
23 07 19 00-0043 LF 12" Diameter Pipe, 2" Thick Calcium Silicate Insulation	43.15	7.67
<i>For Work In Restricted Working Space, Add</i>	5.75	
23 07 19 00-0044 LF 14" Diameter Pipe, 2" Thick Calcium Silicate Insulation	53.12	10.69
<i>For Work In Restricted Working Space, Add</i>	8.02	
23 07 19 00-0045 LF 16" Diameter Pipe, 2" Thick Calcium Silicate Insulation	55.81	10.69
<i>For Work In Restricted Working Space, Add</i>	8.02	
23 07 19 00-0046 LF 18" Diameter Pipe, 2" Thick Calcium Silicate Insulation	59.79	11.23
<i>For Work In Restricted Working Space, Add</i>	8.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0047 LF 20" Diameter Pipe, 2" Thick Calcium Silicate Insulation	71.15	12.83
<i>For Work In Restricted Working Space, Add</i>	9.62	
23 07 19 00-0048 LF 24" Diameter Pipe, 2" Thick Calcium Silicate Insulation	82.97	15.50
<i>For Work In Restricted Working Space, Add</i>	11.63	
23 07 19 00-0049 2-1/2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0050 LF 1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	18.01	4.00
<i>For Work In Restricted Working Space, Add</i>	3.01	
23 07 19 00-0051 LF 3/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	18.37	4.00
<i>For Work In Restricted Working Space, Add</i>	3.01	
23 07 19 00-0052 LF 1" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	18.70	4.07
<i>For Work In Restricted Working Space, Add</i>	3.05	
23 07 19 00-0053 LF 1-1/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	18.87	4.10
<i>For Work In Restricted Working Space, Add</i>	3.08	
23 07 19 00-0054 LF 1-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	19.34	4.13
<i>For Work In Restricted Working Space, Add</i>	3.10	
23 07 19 00-0055 LF 2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	20.16	4.31
<i>For Work In Restricted Working Space, Add</i>	3.23	
23 07 19 00-0056 LF 2-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	22.59	4.45
<i>For Work In Restricted Working Space, Add</i>	3.34	
23 07 19 00-0057 LF 3" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	22.98	4.61
<i>For Work In Restricted Working Space, Add</i>	3.46	
23 07 19 00-0058 LF 4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	26.46	4.86
<i>For Work In Restricted Working Space, Add</i>	3.65	
23 07 19 00-0059 LF 6" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	32.83	5.52
<i>For Work In Restricted Working Space, Add</i>	4.14	
23 07 19 00-0060 LF 8" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	37.44	6.16
<i>For Work In Restricted Working Space, Add</i>	4.62	
23 07 19 00-0061 LF 10" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	44.69	7.10
<i>For Work In Restricted Working Space, Add</i>	5.33	
23 07 19 00-0062 LF 12" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	52.09	8.82
<i>For Work In Restricted Working Space, Add</i>	6.62	
23 07 19 00-0063 LF 14" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	57.59	9.64
<i>For Work In Restricted Working Space, Add</i>	7.22	
23 07 19 00-0064 LF 16" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	70.05	12.31
<i>For Work In Restricted Working Space, Add</i>	9.23	
23 07 19 00-0065 LF 18" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	73.96	12.93
<i>For Work In Restricted Working Space, Add</i>	9.70	
23 07 19 00-0066 LF 20" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	85.77	14.78
<i>For Work In Restricted Working Space, Add</i>	11.09	
23 07 19 00-0067 LF 24" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	100.86	17.86
<i>For Work In Restricted Working Space, Add</i>	13.39	
23 07 19 00-0068 3" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0069 LF 1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	22.62	4.44
<i>For Work In Restricted Working Space, Add</i>	3.33	
23 07 19 00-0070 LF 3/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	22.70	4.44
<i>For Work In Restricted Working Space, Add</i>	3.33	
23 07 19 00-0071 LF 1" Diameter Pipe, 3" Thick Calcium Silicate Insulation	22.90	4.48
<i>For Work In Restricted Working Space, Add</i>	3.36	
23 07 19 00-0072 LF 1-1/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	23.13	4.51
<i>For Work In Restricted Working Space, Add</i>	3.38	
23 07 19 00-0073 LF 1-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	23.35	4.56
<i>For Work In Restricted Working Space, Add</i>	3.42	
23 07 19 00-0074 LF 2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	24.15	4.73
<i>For Work In Restricted Working Space, Add</i>	3.55	
23 07 19 00-0075 LF 2-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	26.73	4.89
<i>For Work In Restricted Working Space, Add</i>	3.67	
23 07 19 00-0076 LF 3" Diameter Pipe, 3" Thick Calcium Silicate Insulation	27.29	5.06
<i>For Work In Restricted Working Space, Add</i>	3.80	
23 07 19 00-0077 LF 4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	32.04	5.35
<i>For Work In Restricted Working Space, Add</i>	4.01	
23 07 19 00-0078 LF 6" Diameter Pipe, 3" Thick Calcium Silicate Insulation	37.95	6.08
<i>For Work In Restricted Working Space, Add</i>	4.55	
23 07 19 00-0079 LF 8" Diameter Pipe, 3" Thick Calcium Silicate Insulation	44.04	6.77
<i>For Work In Restricted Working Space, Add</i>	5.08	
23 07 19 00-0080 LF 10" Diameter Pipe, 3" Thick Calcium Silicate Insulation	52.28	7.81
<i>For Work In Restricted Working Space, Add</i>	5.86	
23 07 19 00-0081 LF 12" Diameter Pipe, 3" Thick Calcium Silicate Insulation	60.50	9.71
<i>For Work In Restricted Working Space, Add</i>	7.28	
23 07 19 00-0082 LF 14" Diameter Pipe, 3" Thick Calcium Silicate Insulation	67.13	10.60
<i>For Work In Restricted Working Space, Add</i>	7.95	
23 07 19 00-0083 LF 16" Diameter Pipe, 3" Thick Calcium Silicate Insulation	78.75	13.54
<i>For Work In Restricted Working Space, Add</i>	10.16	
23 07 19 00-0084 LF 18" Diameter Pipe, 3" Thick Calcium Silicate Insulation	84.85	14.22
<i>For Work In Restricted Working Space, Add</i>	10.67	
23 07 19 00-0085 LF 20" Diameter Pipe, 3" Thick Calcium Silicate Insulation	99.28	16.27
<i>For Work In Restricted Working Space, Add</i>	12.20	
23 07 19 00-0086 LF 24" Diameter Pipe, 3" Thick Calcium Silicate Insulation	117.50	19.65
<i>For Work In Restricted Working Space, Add</i>	14.73	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 07 HVAC Insulation****23 07 19 HVAC Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0087			3-1/2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0088	LF		1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	28.68	4.86
			<i>For Work In Restricted Working Space, Add</i>	3.65	
23 07 19 00-0089	LF		3/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	29.72	4.86
			<i>For Work In Restricted Working Space, Add</i>	3.65	
23 07 19 00-0090	LF		1" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	29.79	4.89
			<i>For Work In Restricted Working Space, Add</i>	3.67	
23 07 19 00-0091	LF		1-1/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	29.87	4.92
			<i>For Work In Restricted Working Space, Add</i>	3.69	
23 07 19 00-0092	LF		1-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	30.80	4.99
			<i>For Work In Restricted Working Space, Add</i>	3.74	
23 07 19 00-0093	LF		2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	32.66	5.15
			<i>For Work In Restricted Working Space, Add</i>	3.86	
23 07 19 00-0094	LF		2-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	35.43	5.33
			<i>For Work In Restricted Working Space, Add</i>	4.00	
23 07 19 00-0095	LF		3" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	36.68	5.52
			<i>For Work In Restricted Working Space, Add</i>	4.14	
23 07 19 00-0096	LF		4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	41.71	5.83
			<i>For Work In Restricted Working Space, Add</i>	4.38	
23 07 19 00-0097	LF		6" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	46.55	6.63
			<i>For Work In Restricted Working Space, Add</i>	4.97	
23 07 19 00-0098	LF		8" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	56.57	7.38
			<i>For Work In Restricted Working Space, Add</i>	5.54	
23 07 19 00-0099	LF		10" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	68.66	8.52
			<i>For Work In Restricted Working Space, Add</i>	6.39	
23 07 19 00-0100	LF		12" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	83.18	10.59
			<i>For Work In Restricted Working Space, Add</i>	7.94	
23 07 19 00-0101	LF		14" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	87.69	11.56
			<i>For Work In Restricted Working Space, Add</i>	8.67	
23 07 19 00-0102	LF		16" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	102.48	14.78
			<i>For Work In Restricted Working Space, Add</i>	11.08	
23 07 19 00-0103	LF		18" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	117.48	15.51
			<i>For Work In Restricted Working Space, Add</i>	11.64	
23 07 19 00-0104	LF		20" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	126.94	17.75
			<i>For Work In Restricted Working Space, Add</i>	13.31	
23 07 19 00-0105			4" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0106	LF		1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	35.69	5.39
			<i>For Work In Restricted Working Space, Add</i>	4.05	
23 07 19 00-0107	LF		3/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	35.72	5.39
			<i>For Work In Restricted Working Space, Add</i>	4.05	
23 07 19 00-0108	LF		1" Diameter Pipe, 4" Thick Calcium Silicate Insulation	35.95	5.49
			<i>For Work In Restricted Working Space, Add</i>	4.12	
23 07 19 00-0109	LF		1-1/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	36.93	5.55
			<i>For Work In Restricted Working Space, Add</i>	4.16	
23 07 19 00-0110	LF		1-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	39.10	5.73
			<i>For Work In Restricted Working Space, Add</i>	4.30	
23 07 19 00-0111	LF		2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	39.91	5.91
			<i>For Work In Restricted Working Space, Add</i>	4.43	
23 07 19 00-0112	LF		2-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	43.51	6.00
			<i>For Work In Restricted Working Space, Add</i>	4.50	
23 07 19 00-0113	LF		3" Diameter Pipe, 4" Thick Calcium Silicate Insulation	44.77	6.22
			<i>For Work In Restricted Working Space, Add</i>	4.66	
23 07 19 00-0114	LF		4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	50.74	6.56
			<i>For Work In Restricted Working Space, Add</i>	4.92	
23 07 19 00-0115	LF		6" Diameter Pipe, 4" Thick Calcium Silicate Insulation	58.67	7.44
			<i>For Work In Restricted Working Space, Add</i>	5.59	
23 07 19 00-0116	LF		8" Diameter Pipe, 4" Thick Calcium Silicate Insulation	69.81	8.31
			<i>For Work In Restricted Working Space, Add</i>	6.23	
23 07 19 00-0117	LF		10" Diameter Pipe, 4" Thick Calcium Silicate Insulation	80.38	9.60
			<i>For Work In Restricted Working Space, Add</i>	7.19	
23 07 19 00-0118	LF		12" Diameter Pipe, 4" Thick Calcium Silicate Insulation	91.72	11.91
			<i>For Work In Restricted Working Space, Add</i>	8.94	
23 07 19 00-0119	LF		14" Diameter Pipe, 4" Thick Calcium Silicate Insulation	97.60	13.02
			<i>For Work In Restricted Working Space, Add</i>	9.76	
23 07 19 00-0120	LF		16" Diameter Pipe, 4" Thick Calcium Silicate Insulation	115.79	16.64
			<i>For Work In Restricted Working Space, Add</i>	12.48	
23 07 19 00-0121	LF		18" Diameter Pipe, 4" Thick Calcium Silicate Insulation	123.10	17.43
			<i>For Work In Restricted Working Space, Add</i>	13.08	
23 07 19 00-0122	LF		20" Diameter Pipe, 4" Thick Calcium Silicate Insulation	136.35	19.96
			<i>For Work In Restricted Working Space, Add</i>	14.97	
23 07 19 00-0123			Weather-Protective Coating For Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0124	SF		1/4" Thick (Two 1/8" Coats), Weatherproof Coating Over Glass Cloth Mesh (Insulkote ET)	4.17	
			<i>For Work In Restricted Working Space, Add</i>	0.86	

23 08 Commissioning Of HVAC (23)

See CSI section 23 05 93 00-0000 for testing and balancing.



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 09 Instrumentation And Control For HVAC ⁽²³⁾

23 09 23 Direct-Digital Control System For HVAC ^(23 09)

23 09 23 00-0001 EMCS General Costs ^(23 09 23)

23 09 23 00-0002 EMCS System Design Engineering ^(23 09 23 00-0001)

Note: Hourly labor rates are used for engineering projects only. Not used in conjunction with construction tasks.

23 09 23 00-0003	HR	EMCS Site Inspection Of Existing Facilities.....	239.18
23 09 23 00-0004	HR	EMCS Engineering Project Management	239.18
23 09 23 00-0005	HR	EMCS System Engineering, Schematic Design And Layout	253.68
23 09 23 00-0006	HR	EMCS System Software Programming And Graphics Programming	253.68
23 09 23 00-0007	HR	EMCS Graphics Picture Creation	163.12
23 09 23 00-0008	HR	EMCS System Controls Training	239.18
23 09 23 00-0009	HR	EMCS On Site System Diagnostics Field Technician.....	239.18
23 09 23 00-0010	HR	EMCS Remote Technical Support Using Phone Or Internet	199.37
23 09 23 00-0011	HR	EMCS Travel Time (All Personnel).....	206.61

23 09 23 00-0012 Post Warranty Field Tests, Checkout And Commissioning ^(23 09 23 00-0001)

Note: Tasks used for building commissioning of other contractors' work or post warranty service work. A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.

23 09 23 00-0013	PNT	EMCS Field Test.....	126.88
		Note: Priced per point. Task used after warranty period only.	
23 09 23 00-0014	PNT	EMCS Field Checkout And Startup.....	126.88
		Note: Priced per point. Task used after warranty period only.	
23 09 23 00-0015	PNT	EMCS Field Commissioning	126.88
		Note: Priced per point. Used when the owner requires an independent commissioning firm.	
23 09 23 00-0016	EA	EMCS Field Balance Support	108.72
		Note: Priced per controller. Task used after warranty period only.	

23 09 23 00-0017 EMCS System Engineering/Submittal Design And Layout ^(23 09 23 00-0001)

Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.

23 09 23 00-0018	PNT	EMCS System Engineering/Submittal Design And Layout	42.33
		Note: Priced per point.	

23 09 23 00-0019 Install EMCS Field Devices And Controllers (Labor Only) ^(23 09 23 00-0001)

Note: This section is used when equipment or devices are supplied by others, usually in a maintenance or trouble shooting situation. Excludes cable or conduit between panel and device.

23 09 23 00-0020	EA	Mount An AHU Control Enclosure On Block, Masonry Or Gypsum Wall	219.27	36.24
23 09 23 00-0021	EA	Install AHU Power Supply In A Control Enclosure	159.45	72.48
23 09 23 00-0022	EA	Install Metal Box And Conduit Stub-Up For Sensor In Masonry Wall	219.27	36.24
23 09 23 00-0023	EA	Install And Wire Room Sensor	59.82	36.24
23 09 23 00-0024	EA	Install And Wire Duct Sensor	79.73	36.24
23 09 23 00-0025	EA	Install And Wire AHU Averaging Sensor.....	259.08	181.19
23 09 23 00-0026	EA	Install And Wire AHU Humidity Sensor.....	139.55	54.41
23 09 23 00-0027	EA	Install And Wire AHU CO2 Sensor	199.37	54.41
23 09 23 00-0028	EA	Install And Wire Fan Or Filter DP Switch	199.37	54.41
23 09 23 00-0029	EA	Install And Wire Float Switch	159.45	36.24
23 09 23 00-0030	EA	Install And Wire Freezestat.....	259.08	181.19
23 09 23 00-0031	EA	Install And Wire Duct Static Pressure Sensor.....	139.55	72.48
23 09 23 00-0032	EA	Install And Wire Duct High Static Sensor.....	79.73	36.24
23 09 23 00-0033	EA	Install And Wire Emergency Stop Switch For AHU Or Other Equipment.....	79.73	36.24
23 09 23 00-0034	EA	Install And Wire Emergency Stop Switch For AHU.....	239.18	72.48
23 09 23 00-0035	EA	Install And Wire AHU Connection To Starter	239.18	181.19
23 09 23 00-0036	EA	Install And Wire Connection To VFD	438.54	181.19
23 09 23 00-0037	EA	Install And Wire AHU Valve Actuator	119.64	36.24
23 09 23 00-0038	EA	Install And Wire AHU Damper Actuator	239.18	72.48
23 09 23 00-0039	EA	Install And Wire AHU Smoke Detector Or Fire Alarm Relay.....	139.55	54.41
23 09 23 00-0040	EA	Install And Wire AHU Electropneumatic Transducer	99.63	36.24
23 09 23 00-0041	EA	Install And Wire Electric Heat Or Sequencer	239.18	72.48
23 09 23 00-0042	EA	Install And Wire Connection To Outdoor Compressor	558.09	54.41
23 09 23 00-0043	EA	Install And Wire AHU Magnahelic.....	199.37	36.24
23 09 23 00-0044	EA	Install And Wire AHU Wireway For Control Enclosure.....	239.18	72.48
23 09 23 00-0045	EA	Wire And Assemble AHU Control Enclosure	438.54	
		Note: Includes installing all panel devices for a medium size panel.		
23 09 23 00-0046	EA	Field Install And Wire VAV Controller	159.45	72.48
		Note: Use when VAV box is previously installed.		
23 09 23 00-0047	EA	Shop Install And Wire VAV Controller.....	139.55	
23 09 23 00-0048	EA	Install And Wire VAV Power Supply	59.82	36.24
23 09 23 00-0049	EA	Wire VAV Fan In Parallel Or Series Fan Box.....	79.73	36.24
23 09 23 00-0050	EA	Install And Wire Fan Coil Unit Controller	398.63	108.72
23 09 23 00-0051	EA	Mount Fan Coil Unit, Heat Pump, Or Unit Ventilator Controller	119.64	
23 09 23 00-0052	EA	Install And Wire Central Plant Controller	558.09	326.16
		Note: For programmable DDC controller.		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0053 EA Mount Central Plant Enclosure For DDC Control Enclosure..... Note: For programmable DDC controller.	219.27	36.24
23 09 23 00-0054 EA Install Central Plant Power Supply For DDC Programmable Controller.....	159.45	72.48
23 09 23 00-0055 EA Install Central Plant Wireway For Programmable Controller.....	239.18	72.48
23 09 23 00-0056 EA Install And Wire Chiller Controls For Enable And Setpoint Controls.....	478.37	108.72
23 09 23 00-0057 EA Install And Wire Chiller Flow Switch.....	478.37	217.44
23 09 23 00-0058 EA Install And Wire Chiller DP Transmitter..... Note: Includes installing copper tubing connection to water piping.	1,793.92	108.72
23 09 23 00-0059 EA Install And Wire Boiler Controls For Enable And Alarm.....	358.82	108.72
23 09 23 00-0060 EA Install And Wire Boiler Safeties..... Note: For high water, low water and flame safeguard.	358.82	108.72
23 09 23 00-0061 EA Install Boiler Control Panel Enclosure On Block, Masonry Or Gypsum Wall.....	797.27	453.04
23 09 23 00-0062 EA Wire And Terminate Combustion Air Damper.....	996.64	72.48
23 09 23 00-0063 EA Wire Oil Tank Interlock For Oil Boiler.....	498.27	72.48
23 09 23 00-0064 EA Install And Wire Boiler Emergency Stop Switch.....	996.64	217.44
23 09 23 00-0065 EA Wire And Terminate Temperature Well Sensor..... Note: Excludes well.	99.63	54.41
23 09 23 00-0066 EA Install And Wire Strap On Sensor.....	239.18	54.41
23 09 23 00-0067 EA Install And Wire CO2 Sensor For Room Or Space..... Note: Excludes stub-up.	199.37	54.41
23 09 23 00-0068 EA Install And Wire Valve Actuator.....	199.37	144.95
23 09 23 00-0069 EA Install And Wire Outside Air Temperature Sensor.....	358.82	108.72
23 09 23 00-0070 EA Install And Wire Outside Air Humidity Sensor.....	179.36	108.72
23 09 23 00-0071 EA Install And Wire Flow Sensor.....	438.54	217.44
23 09 23 00-0072 EA Install And Wire Pressure Sensor For Pump Or Building.....	438.54	217.44
23 09 23 00-0073 EA Install And Wire Pump Starter.....	239.18	54.41
23 09 23 00-0074 EA Install And Wire Pump VFD.....	438.54	108.72
23 09 23 00-0075 EA Install And Wire Pump DP Switch..... Note: Includes installing copper tubing connection to water piping.	598.00	217.44
23 09 23 00-0076 EA Install And Wire System DP Transmitter..... Note: Includes installing copper tubing connection to water piping and wiring remote transmitter.	1,993.27	217.44
23 09 23 00-0077 EA Mount Starter Sized Up To 100 HP.....	159.45	108.72
23 09 23 00-0078 EA Mount VFD Sized Up To 100 HP.....	398.63	362.40
23 09 23 00-0079 EA Install And Wire Cooling Tower Control Enclosure.....	717.55	217.44
23 09 23 00-0080 EA Install And Wire Vibration Switch For Cooling Tower.....	438.54	217.44
23 09 23 00-0081 EA Install And Wire Cooling Tower Basin Heater.....	239.18	217.44
23 09 23 00-0082 EA Install And Wire Basin Water Temperature Switch.....	239.18	108.72
23 09 23 00-0083 EA Install And Wire Cooling Tower Make-Up Water Valve.....	239.18	217.44
23 09 23 00-0084 EA Install And Wire Cooling Tower Make-Up Water Valve.....	239.18	217.44
23 09 23 00-0085 EA Install And Wire Refrigerant Monitor Panel.....	1,196.00	453.04
23 09 23 00-0086 EA Install And Wire Break Glass Switch.....	239.18	108.72
23 09 23 00-0087 EA Install And Wire Horn/Strobe For Refrigerant Monitor.....	179.36	72.48
23 09 23 00-0088 EA Install And Wire Damper Actuator.....	239.18	72.48
23 09 23 00-0089 EA Install And Wire Chemical Feed System.....	1,993.27	453.04
23 09 23 00-0090 EA Wire And Assemble Control Enclosure..... Note: Includes installing all panel devices in large size panel.	478.37	
23 09 23 00-0091 EA Install And Wire Exhaust Fan DDC Control..... Note: Start or stop and status.	498.27	90.64
23 09 23 00-0092 EA Install And Wire Exhaust Fan Thermostat Control.....	159.45	54.41
23 09 23 00-0093 EA Wire Lighting Contactor (Contactor Installed By Others).....	498.27	72.48
23 09 23 00-0094 EA Wire And Terminate Unit Heater.....	159.45	54.41
23 09 23 00-0095 EA Wire Domestic Water Heater For Enable Or Disable.....	498.27	72.48
23 09 23 00-0096 EA Wire And Install Current Transformer KWH Meter (With Power Off).....	1,594.63	434.87
23 09 23 00-0097 EA Wire Water Meter (Meter Installed By Others).....	1,594.63	108.72
23 09 23 00-0098 EA Wire Gas Meter (Meter Installed By Others).....	1,594.63	108.72
23 09 23 00-0099 EA Install Wireless Receiver And Wire To DDC Controls.....	199.37	72.48
23 09 23 00-0100 EA Install Wireless Sensor.....	39.91	18.17
23 09 23 00-0101 EA Wire Split System AC Thermostat.....	797.27	54.41
23 09 23 00-0102 EA Wire Sump Pump Monitor Status Switch.....	598.00	108.72
23 09 23 00-0103 EA Install Locking Cover/Wire Guard For Thermostat Or Wall Temperature Sensor.....	28.99	14.50
23 09 23 00-0104 EA Install And Wire Combination Outside Air Temperature/Outside Air Humidity Sensor.....	538.18	217.44

23 09 23 00-0105 Honeywell Controls (23 09 23)**23 09 23 00-0106 EMCS Central Equipment And Controllers (23 09 23 00-0105)****23 09 23 00-0107 EMCS Network Area Controllers (BACnet Or Lon) (23 09 23 00-0106)**

Note: Includes loading software, software license, loading data base and mounting on wall.

23 09 23 00-0108 EA Network Area Java Controller Supporting 126 Devices (Honeywell WC2003B2004).....	7,819.93	471.11
23 09 23 00-0109 EA Network Area Java Controller Supporting 27 Devices (Honeywell WC2003B1022)..... Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-232 port, 1 RS-485 port, 1 LonWorks port with driver, Lon tunnel service, BACnet driver, wind river VxWorks OS with Jeode java virtual machine, Niagara control engine and web user interface software (supports 27 device).	5,601.51	471.11
23 09 23 00-0110 EA Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201)..... Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDI/O port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Supports up to 10 devices.	4,476.89	471.11



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
	23 09 23 00-0111	EA		Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-EZ) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDI0 port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Includes WEB user interface and Enterprise connectivity pack.	5,371.82	471.11	
	23 09 23 00-0112	EA		Niagara Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LN)..... Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDI0 port and MODBus TCP driver. Excludes RS232 and RS485 communications. Includes Niagara network ethernet communication between stations.	4,446.08	471.11	
	23 09 23 00-0113	EA		Web UI Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LU) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDI0 port and MODBus TCP driver. Excludes RS232 and RS485.	4,446.08	471.11	
	23 09 23 00-0114	EA		16 Point BACnet IP Network Area Java Controller (Honeywell WEB-216-B)..... Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDI0 port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	4,755.59	471.11	
	23 09 23 00-0115	EA		16 Point Web UI And BACnet IP Network Area Java Controller (Honeywell WEB-216-BU)..... Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDI0 port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	5,080.51	471.11	
	23 09 23 00-0116	EA		16 Point Niagara Network Area Java Controller (Honeywell WEB-216-N) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDI0 port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	4,755.59	471.11	
	23 09 23 00-0117	EA		16 Point Web UI And Niagara Network Area Java Controller (Honeywell WEB-216-NU)..... Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDI0 port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	5,080.51	471.11	
	23 09 23 00-0118	EA		34 Point BACnet IP Network Area Java Controller (Honeywell WEB-234-B)..... Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDI0 port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	5,083.31	471.11	
	23 09 23 00-0119	EA		34 Point Web UI and BACnet IP Network Area Java Controller (Honeywell WEB-234-BU)..... Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDI0 port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	5,408.23	471.11	
	23 09 23 00-0120	EA		34 Point Niagara Network Area Java Controller (Honeywell WEB-216-N) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDI0 port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	5,083.31	471.11	
	23 09 23 00-0121	EA		34 Point Web UI and Niagara Network Area Java Controller (Honeywell WEB-216-NU)..... Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDI0 port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	5,408.23	471.11	
	23 09 23 00-0122	EA		Network Area Java Controller Supporting 27 Devices (Controller Only) (Honeywell WEB-403-AX)..... Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	5,356.41	471.11	
	23 09 23 00-0123	EA		Unrestricted Network Area Java Controller Supporting 27 Devices (Controller Only)..... Note: Unrestricted limit on connected devices. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. Honeywell WEB-403-EXP-AX. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	6,441.82	471.11	
	23 09 23 00-0124	EA		Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EZ) Note: Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	6,776.54	471.11	
	23 09 23 00-0125	EA		Expanded Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EXP-EZ)..... Note: Unrestricted limit on connected devices. Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	7,861.95	471.11	
	23 09 23 00-0126	EA		Network Area Java Controller Supporting 124 Devices (Controller Only) (Honeywell WEB-545-AX)..... Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other WEBs controllers, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Excludes UI service and Enterprise connectivity service.	6,791.95	471.11	
	23 09 23 00-0127	EA		Easy Pack Network Area Java Controller Supporting 124 Devices (Honeywell WEB-545-EZ) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other JACEs, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Includes WEB-545-AX plus User Interface Station Pack (UI-SP-5XX) and Enterprise Connectivity Station Pack (EC-SP-5XX) bundled as an "easy-order" bundle.	8,860.52	471.11	
	23 09 23 00-0128	EMCS Network Interfaces <small>(23 09 23 00-0106)</small> Note: Includes installation, start-up and tech labor.					
	23 09 23 00-0129	EA		Serial LonTalk Adapter For LonWorks Bus And A PC (Honeywell Q7760A2001)..... Note: For desktop computer.	1,072.42	130.47	
	23 09 23 00-0130	EA		Serial LonTalk Card For LonWorks Bus And A PC (Honeywell Q7752B2009)..... Note: For laptop computer.	921.86	86.97	
	23 09 23 00-0131	EA		FTT-10 To FTT-10 Router (Honeywell Q7751A2010)	1,188.13	163.12	
	23 09 23 00-0132	EA		4FTT-10 To TP/FTT-1250 Multi Port Router (Honeywell Q7751J2002)	1,770.05	235.61	
	23 09 23 00-0133	EA		Two Way Lon Repeater (Honeywell Q7740A1008)	959.15	235.61	
	23 09 23 00-0134	EA		FTT Termination Module For Network Bus (Honeywell 209541B).....	77.52	28.99	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**23 09 23 00-0135****DDC Application Specific Controller Assemblies** (23 09 23 00-0106)

Note: Includes submittal generation, installation, field test, checkout and start-up. Includes control enclosure, transformer, terminal strip and ancillary devices. (For example, fan coil unit include valves, actuators with controller and thermostat; VAVs include controller, thermostat and hot water valve if VAV has reheat coil). Excludes graphics and database generation. Excludes discharge air sensor.

23 09 23 00-0136	EA	Up To 10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies.....	1,849.18	674.06
23 09 23 00-0137	EA	>10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies.....	1,486.79	399.12
23 09 23 00-0138	EA	Up To 10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies.....	2,001.39	674.06
23 09 23 00-0139	EA	>10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies.....	1,639.00	438.74
23 09 23 00-0140	EA	Up To 10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies.....	2,194.97	750.20
23 09 23 00-0141	EA	>10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies.....	1,923.12	562.44
23 09 23 00-0142	EA	Up To 10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies.....	2,727.64	750.20
23 09 23 00-0143	EA	>10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies.....	2,347.18	574.04
23 09 23 00-0144	EA	Up To 10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies.....	1,664.56	750.20
23 09 23 00-0145	EA	>10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies.....	1,302.17	443.57
23 09 23 00-0146	EA	Up To 10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies.....	1,863.94	750.20
23 09 23 00-0147	EA	>10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies.....	1,501.44	499.63
23 09 23 00-0148	EA	Up To 10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies.....	2,145.05	750.20
23 09 23 00-0149	EA	>10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies.....	1,775.41	442.61
23 09 23 00-0150	EA	Up To 10 Field Installed Application Specific Fan Coil Unit Controller Assemblies.....	2,344.42	750.20
23 09 23 00-0151	EA	>10 Field Installed Application Specific Fan Coil Unit Controller Assemblies.....	1,974.67	498.65
23 09 23 00-0152	EA	Up To 10 Factory Installed Application Specific Unit Ventilator Controller Assemblies.....	2,648.61	750.20
23 09 23 00-0153	EA	>10 Factory Installed Application Specific Unit Ventilator Controller Assemblies.....	2,318.88	479.33
23 09 23 00-0154	EA	Up To 10 Field Installed Application Specific Unit Ventilator Controller Assemblies.....	3,047.34	750.20
23 09 23 00-0155	EA	>10 Field Installed Application Specific Unit Ventilator Controller Assemblies.....	2,717.51	561.47

23 09 23 00-0156**DDC Programmable Controller Assemblies** (23 09 23 00-0106)

Note: Includes installation, field test, checkout and start-up. Includes control enclosure, transformer and terminal strip only. Excludes ancillary devices. Excludes submittal generation/system engineering and database generation. See CSI section 23 09 23 00-0163 for additional components.

23 09 23 00-0157	EA	3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies.....	1,919.31	576.25
23 09 23 00-0158	EA	Oversized Enclosure 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies.....	2,184.86	576.25
23 09 23 00-0159	EA	6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies.....	2,863.44	677.73
23 09 23 00-0160	EA	Oversized Enclosure 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies.....	3,128.99	677.73
23 09 23 00-0161	EA	10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies.....	5,046.09	793.70
23 09 23 00-0162	EA	Oversized Enclosure 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies.....	5,353.06	793.70

23 09 23 00-0163**EMCS Optional DDC Controller Hardware** (23 09 23 00-0106)

Note: Used to expand the capacity of DDC programmable controller assemblies.

23 09 23 00-0164	EA	6 DO (Repay), 3 AI, 3 DI AHU Controller (Honeywell W7750A2005).....	319.32	
		Note: For constant volume single zone and heat pump AHUs.		
23 09 23 00-0165	EA	6 AI, 5 DI, 8 DO (Triac) AHU Controller (Honeywell W7750B2011).....	369.04	
		Note: For constant volume single zone and heat pump AHUs.		
23 09 23 00-0166	EA	3 AO, 6 AI, 5 DI, 5 DO (Triac) AHU Controller (Honeywell W7750C2001).....	386.54	
		Note: For constant volume single zone and heat pump AHUs.		
23 09 23 00-0167	EA	VAV Controller Compatible Printed Wiring Board (Honeywell W7751B2010).....	364.84	
23 09 23 00-0168	EA	VAV Controller With Internally Wired Subbase (Honeywell W7751D2016).....	370.44	
23 09 23 00-0169	EA	VAV Controller With Externally Wired Subbase (Honeywell W7751F2011).....	362.03	
23 09 23 00-0170	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751H2025).....	311.62	
23 09 23 00-0171	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751J2004).....	271.00	
23 09 23 00-0172	EA	Fan Coil Unit Controller With Electric Reheat Relay (Honeywell W7752F2002).....	397.05	
23 09 23 00-0173	EA	Fan Coil Unit Controller Without Electric Reheat Relay (Honeywell W7752G2000).....	355.03	
23 09 23 00-0174	EA	Unit Ventilator Controller With Heating, Cooling, Actuator And Fan Control (Honeywell W7753A2002).....	392.15	
23 09 23 00-0175	EA	Building Manager, Monitor And Control HVAC Equipment (Honeywell W7760A2011).....	832.61	
23 09 23 00-0176	EA	Plant Controller, Monitor And Control HVAC Equipment (Honeywell W7760C2017).....	1,035.68	
23 09 23 00-0177	EA	Remote IO Device For Ancillary Point Monitoring And Control (Honeywell W7761A2002).....	517.49	
23 09 23 00-0178	EA	Remote IO, UUKL-UL 864 Approved (Honeywell W7761A2010).....	509.79	
23 09 23 00-0179	EA	Hydronic Controller Without Wall Module (Honeywell W7762B1027).....	249.99	
23 09 23 00-0180	EA	Hydronic Controller With Built-in Wall Module (Honeywell W7763C1016).....	284.31	
23 09 23 00-0181	EA	IO Module, 24 Volt AC Without Overrides (Honeywell XFC3A06001).....	525.20	
23 09 23 00-0182	EA	IO Module, 24 Volt AC With Overrides (Honeywell XFC3D06001).....	561.61	
23 09 23 00-0183	EA	AI Module (Honeywell XFL521B).....	351.53	
23 09 23 00-0184	EA	AO Module (Honeywell XFL522B).....	351.53	
23 09 23 00-0185	EA	DI Module (Honeywell XFL523B).....	351.53	
23 09 23 00-0186	EA	DO Module (Honeywell XFL524B).....	351.53	
23 09 23 00-0187	EA	Distributed IO, Lonwork Bus Connector Module With Endplate (Honeywell XSL511).....	62.32	
23 09 23 00-0188	EA	Distributed IO, Terminal Block For AI, AO And DI Modules (Honeywell XSL513).....	117.64	
23 09 23 00-0189	EA	Distributed IO, Terminal Block For DO Modules (Honeywell XSL514).....	115.54	
23 09 23 00-0190	EA	Lon Analog IO Module, 24 Volt AC/DC, 10 Digital Inputs (Honeywell XIO-10DI).....	353.63	
23 09 23 00-0191	EA	Lon Hub (Honeywell XIO-HUB).....	52.52	
23 09 23 00-0192	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Outputs (Honeywell XIO-4AO).....	353.63	
23 09 23 00-0193	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Inputs (Honeywell XIO-4DI).....	325.62	
23 09 23 00-0194	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Outputs (Honeywell XIO-4DO).....	325.62	
23 09 23 00-0195	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Inputs (Honeywell XIO-4NTC).....	343.13	
23 09 23 00-0196	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog PT1000 Inputs (Honeywell XIO-4PT1000).....	343.13	
23 09 23 00-0197	EA	Lon Analog IO, 24 Volt AC/DC, 8 Analog Inputs (Honeywell XIO-8AI).....	493.68	
23 09 23 00-0198	EA	16 Point IO Module For Network Area Controllers (Honeywell WEB-IO-16).....	582.62	

Note: Includes 8 universal inputs, 4 relay outputs, and 4 analog outputs.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0199 EA 34 Point IO Module For Network Area Controllers (Honeywell W7750A2005) Note: Includes 16 universal inputs, 10 relay outputs, and 8 analog outputs.	1,238.06	
23 09 23 00-0200 EMCS Software (23 09 23 00-0105)		
23 09 23 00-0201 Software Packages And License (23 09 23 00-0200) Note: Includes installation on equipment.		
23 09 23 00-0202 EA On Board Programming Tool For Network Area Controllers (Honeywell WP-AX-WEB) Note: Requires UI services to be installed on NAC.	394.95	
23 09 23 00-0203 EA Software Upgrade To Provide Unrestricted Connected Device Limit (Honeywell WEB-403-EXUP-AX) Note: Upgrade existing network area controller. As with other WEBS controllers, capacity is limited by the characteristics of the application including size and complexity.	1,566.10	
23 09 23 00-0204 EA WEBStation-AX Software For Windows (Honeywell WEB-S-AX) Note: Includes Archon database. WEBS controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes one copy of WP-AX (WEBPro-AX).	4,411.64	
23 09 23 00-0205 EA Small Building WEBStation-AX Based Software (Honeywell WEB-S-AX-SBS) Note: For up to 3 NAC controllers. NAC controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes Archon database.	2,625.98	
23 09 23 00-0206 EA Upgrade Small Building To Large Building Software Note: Upgrade WEB-S-AX-SBS to WEB-S-AX.	3,036.65	
23 09 23 00-0207 EA Additional Copy Of WEBPro-AX (Honeywell WEB-S-AX-W) Note: One copy is included with WEB-S-AX and WEBStation-AX.	2,163.78	
23 09 23 00-0208 EA WEBS Energy Suite (WES) Base Software (Honeywell WES-BASE-AX) Note: Includes license for 10 points of E ² Profiler and 2 licensed meters of Cost Profiler. Limit of one WES-BASE per WEBStation-AX Supervisor. Additional E ² Profiler point requirements or Cost Profiler meter requirements may use one or any combination of point/meter bundles. One WES-BASE required per WES project.	3,805.89	
23 09 23 00-0209 EA Perpetual License One Meter Point Bundle Of A Cost Profiler Meter And Two E ² Profiler Points (Honeywell WES-CP-AX) Note: Can be combined with the required single instance of VES-BASE as well as with any combination of other EP points and CP meters.	553.18	
23 09 23 00-0210 EA Perpetual License For One Point Of E ² Profiler (Honeywell WES-E2-AX) Note: Can be combined with the required single instance of VES-BASE as well as with any number of other EP Points and Cost Profiler meters.	388.62	
23 09 23 00-0211 EA Perpetual License For An Unlimited Bundle Of E2 Points And CP Meters Note: Sold on a per server basis. Purchase of this product must be accompanied by VES-M1-ENT-AX maintenance. The first year price of maintenance is included with VES-ENT-AX.	20,334.83	
23 09 23 00-0212 EA Annual Maintenance For Enterprise WEBS-AX Energy Suite (Honeywell WES-M1-ENT-AX) Note: The first year cost of VES-M1-ENT-AX is included with VES-ENT-AX. After the first year VES-M1-ENT-AX maintenance fee will be invoiced annually.	18,569.16	
23 09 23 00-0213 EA Standard WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX) 7,034.81	7,034.81	
23 09 23 00-0214 EA Small WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX-SBS) 5,249.15	5,249.15	
23 09 23 00-0215 EA Add 500 Modbus TCP Points To WEBStation With WS-OSD Option (Honeywell WS-MTCP-500) 1,517.46	1,517.46	
23 09 23 00-0216 EA Add 500 OPC Points To WEBStation With WS-OSD Option (Honeywell WS-OPC-500) 1,517.46	1,517.46	
23 09 23 00-0217 EA Vykon Oracle Driver For Support Of Oracle Database (Honeywell WS-ORCL) 10,503.90 Note: Excludes Oracle.	10,503.90	
23 09 23 00-0218 EA Open System Driver Option (Honeywell WS-SNMP-500) 1,400.52 Note: Adds 25 points each of BACnet IP, OPC (client), Modbus TCP and SNMP to a standard WEBStation. Can be purchase with the WS or added later. Web Supervisor required to purchase this option.	1,400.52	
23 09 23 00-0219 EA Add 500 SNMP Points To WEBStation With WS-OSD Option (Honeywell WS-SNMP-500) 1,517.46	1,517.46	
23 09 23 00-0220 EA WEBStation Software WS-1 And First Copy Of WEBPro Software (Honeywell ZW2000A1003) 3,968.37 Note: For a single Honeywell WEB NP controller. Excludes software keys for the additional nodes.	3,968.37	
23 09 23 00-0221 EA WEBStation Additional Node (Honeywell ZW2000B1002) 1,517.46	1,517.46	
23 09 23 00-0222 EA WEBStation Software And 20 Pack Of Node Software Keys (Honeywell ZW2000C1001) 25,443.25	25,443.25	
23 09 23 00-0223 EA WEBStation Software And 50 Pack Of Node Software Keys (Honeywell ZW2000D1000) 46,684.23	46,684.23	
23 09 23 00-0224 EA WEBStation Software And 100 Pack Of Node Software Keys (Honeywell ZW2000E1009) 81,697.23	81,697.23	
23 09 23 00-0225 EA Master WEBStation Software For Monitoring Multiple WEBStations (Honeywell ZW2000F1008) 4,201.56	4,201.56	
23 09 23 00-0226 EA Additional Master WEBStation Software Licenses (Honeywell ZW2000G1007) 2,100.78	2,100.78	
23 09 23 00-0227 EA Additional Copies Of Workplace Pro WP-1 (Web Pro) (Honeywell ZW2001A1001) 1,732.42	1,732.42	
23 09 23 00-0228 EA Upgrade Existing NAC To Provide Unrestricted Connected Device Limit (Honeywell WC2003B1055) 1,881.22 Note: As with other WEBS, capacity is limited by the characteristics of the application including size and complexity.	1,881.22	
23 09 23 00-0229 Initial Database Generation (23 09 23 00-0200)		
23 09 23 00-0230 PNT Database Generation For Central Plant 64.85	64.85	
23 09 23 00-0231 PNT Database Generation For Programmable Controller 64.85 Note: For VAV AHU, large CV AHU, or heat exchanger, etc.	64.85	
23 09 23 00-0232 EA Database Generation For Application Specific Controller 64.85 Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.	64.85	
23 09 23 00-0233 EA Replication Of Database Generation For Application Specific Controller 45.13 Note: Price per copy made.	45.13	
23 09 23 00-0234 EA Database Generation For Remote IO Modules, Sensors, Etcetera 45.13	45.13	
23 09 23 00-0235 Application Software Programs (23 09 23 00-0200)		
23 09 23 00-0236 EA Basic Application Program Package 2,705.88 Note: One per project. Includes program inputs, command priorities, alarms, trends for analog and digital points, energy totalization, schedules, calendars, special events, occupied and unoccupied setpoints, ventilation and recirculation modes, hot water reset program, chilled water reset program, condenser water reset program, and fail-over logic.	2,705.88	
23 09 23 00-0237 EA Optimum Start/Stop Program 90.45 Note: Priced per controller requiring optimum start programming.	90.45	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0238 EA Duty Cycling Program.....	42.71	
23 09 23 00-0239 EA Hot Deck/Cold Deck Reset Application Program	4,648.60	
23 09 23 00-0240 EA Boiler Optimization Program	6,091.71	
23 09 23 00-0241 EA Chiller Optimization Program	8,251.83	
23 09 23 00-0242 EA Lighting Control Program	3,982.02	
23 09 23 00-0243 EA Demand Limiting Program	79.34	
Note: Priced per controller requiring optimum start programming.		
23 09 23 00-0244 EA Email Alarm Server Configuration.....	3,071.96	
23 09 23 00-0245 Color Graphics Generation (23 09 23 00-0200)		
Note: Priced per page.		
23 09 23 00-0246 EA Single Site Home Page Graphics Page With HTML Navigation Code	1,621.41	
23 09 23 00-0247 EA Multi Site Home Page Graphics Page With HTML Navigation Code	2,878.76	
23 09 23 00-0248 EA Color Graphics Page For Central Plant.....	736.68	
23 09 23 00-0249 EA Color Graphics Page For Building Floor Plan	680.24	
23 09 23 00-0250 EA Replication Of Color Graphics Page For Central Plant.....	369.54	
23 09 23 00-0251 EA Color Graphics Page For Programmable Controller	828.78	
Note: For VAV AHU, large CV AHU, or heat exchanger, etc.		
23 09 23 00-0252 EA Replication Of Color Graphics Page For Programmable Controller	177.23	
Note: Priced per copy made.		
23 09 23 00-0253 EA Color Graphics Page For Application Specific Controller.....	766.54	
Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.		
23 09 23 00-0254 EA Replication Of Color Graphics Page For Application Specific Cont	76.64	
Note: Priced per copy made.		
23 09 23 00-0255 Sensors, Actuators And Control Devices (23 09 23 00-0105)		
Note: Includes installation, startup, checkout and miscellaneous parts for installation. Excludes conduit, wire and cable. Excludes engineering and programming labor. Each device is considered one control point. No engineering or programming time required for replacement parts.		
23 09 23 00-0256 Special Sensors (23 09 23 00-0255)		
23 09 23 00-0257 EA Dewpoint Sensor (Honeywell C7232B1014).....	1,301.88	59.82
23 09 23 00-0258 EA Enthalpy Sensor -25 To 125 F	1,355.99	59.82
23 09 23 00-0259 EA Outdoor Mounted Temperature And Humidity Transmitter (Honeywell H7635C1002)	685.83	119.64
23 09 23 00-0260 EA Freezestat (Honeywell L482A1004).....	488.95	199.37
23 09 23 00-0261 EA Wall Mounted Occupancy Sensor.....	332.04	59.82
23 09 23 00-0262 EA Ceiling Mounted Occupancy Sensor.....	272.39	59.82
23 09 23 00-0263 EA I/P Positioner With Gauge.....	319.49	59.82
23 09 23 00-0264 EA Non Communicating Duct Mounted Smoke Detector With Sampling Tube	383.47	59.82
23 09 23 00-0265 EA EP Transducer	319.49	39.91
23 09 23 00-0266 EA Electric Heat Sequencer	515.32	79.73
23 09 23 00-0267 Meters (23 09 23 00-0255)		
23 09 23 00-0268 EA KW/KWh Meter/Current Transformer 208 - 480 Volt, Up To 2,400 Amps.....	3,250.65	478.37
23 09 23 00-0269 EA KW/KWh Meter/Current Transformer 208 - 480 Volt, Up To 2,400 Amps With LON interface.....	4,766.84	558.09
23 09 23 00-0270 EA Current Transformer For KW Meter 1 - 300 Amps	1,180.83	199.37
23 09 23 00-0271 EA Current Transformer For KW Meter 300 - 800 Amps	1,320.25	199.37
23 09 23 00-0272 EA Current Transformer For KW Meter 800 - 2,400 Amp.....	1,587.62	199.37
23 09 23 00-0273 Direct Coupled Actuators (23 09 23 00-0255)		
23 09 23 00-0274 EA 44 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4105A1002).....	465.10	85.16
23 09 23 00-0275 EA 88 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4110A1200).....	504.38	85.16
23 09 23 00-0276 EA 175 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4120A1209).....	571.91	85.16
23 09 23 00-0277 EA 44 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8105A1008).....	442.12	85.16
23 09 23 00-0278 EA 88 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8110A1206).....	484.36	85.16
23 09 23 00-0279 EA 175 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8120A1205).....	526.19	85.16
23 09 23 00-0280 EA 44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator	486.67	85.16
23 09 23 00-0281 EA 88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7510A2206).....	546.90	85.16
23 09 23 00-0282 EA 175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7520A2205).....	611.91	85.16
23 09 23 00-0283 EA 44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7505A2209).....	410.78	85.16
23 09 23 00-0284 EA 88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7510A2209).....	442.85	85.16
23 09 23 00-0285 EA 175 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6120A1200).....	507.28	85.16
23 09 23 00-0286 EA 175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7220A2007).....	537.61	85.16
23 09 23 00-0287 EA 300 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6134A10030).....	537.23	85.16
23 09 23 00-0288 EA 300 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7234A2008).....	620.40	85.16
23 09 23 00-0289 EA Pneumatic Spring Return Damper Actuator Without Positive Positioner (Honeywell MP909E1018).....	423.93	85.16
23 09 23 00-0290 EA Pneumatic Spring Return Damper Actuator With Positive Positioner (Honeywell MP909H1368).....	714.15	85.16
23 09 23 00-0291 EA Foot Mount Kit With Damper Linkage And Connectors For Direct Coupled Actuator	328.33	85.16
23 09 23 00-0292 EA Direct Coupled Damper Actuator Enclosure For Outdoor Use.....	485.32	85.16



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0293				Thermostats (23 09 23 00-0105)		
23 09 23 00-0294				Electric And Electronic Thermostats (23 09 23 00-0293) Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as one control point.		
	EA			Line Voltage 120 Volt, Heat/Cool Thermostat (Honeywell T651A3018)	152.99	14.50
	EA			Electronic Non Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell TH5320)	162.94	14.50
	EA			Electronic Programmable Heating/Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6110)	151.88	14.50
	EA			Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6220)	167.03	14.50
	EA			Electronic Programmable Three Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6320)	178.42	14.50
	EA			Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH8321)	251.41	14.50
	EA			Humidity Control Electronic Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7351F)	355.37	14.50
	EA			Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350H)	560.91	14.50
	EA			Modulating Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350M)	596.63	14.50
23 09 23 00-0304				Pneumatic Thermostats (23 09 23 00-0293) Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as two control point.		
	EA			Pneumatic Thermostat (Honeywell TP970B2182)	197.82	14.50
23 09 23 00-0306				Thermostats Guards (23 09 23 00-0293)		
	EA			9-3/4" x 7-1/4" x 3-3/8" Universal Thermostat Guard (Honeywell TG512A1009)	50.50	14.50
	EA			7-1/2" x 6-1/2" x 2-15/16" Universal Thermostat Guard (Honeywell TG511)	58.79	14.50
	EA			5-7/8" x 5-7/8" x 2-1/2" Deep Universal Thermostat Guard (Honeywell TG510)	55.81	14.50
23 09 23 00-0310				Delta Controls (23 09 23)		
23 09 23 00-0311				Software (23 09 23 00-0310) Note: Excludes programming, set-up and commissioning of application.		
	EA			Orca Software Unlimited Points License (Delta Controls DOW333-USB)	1,465.20	
	EA			Orca Graphics Module, Delta Controls Orca View With Graphics Creation Capabilities (Delta Controls DOW333-I-USB)	2,327.76	
	EA			Orca Historical Module, Delta Controls Historian Package With Unlimited Archiving Trend Logs (Delta Controls DHS330-HL-USB)	5,043.48	
	EA			Web Server Unlimited Points License, Delta Controls Web Server Front End (Delta Controls DWS330-L-USB)	8,060.52	
	EA			Web Server Limited Points (Maximum I/O 2500) License, Delta Controls Web Server Front End (Delta Controls DWS330-M-USB)	4,180.92	
	EA			Web Server Limited Points (Maximum I/O 250) License, Delta Controls Web Server Front End (Delta Controls DWS330-S-USB)	1,465.20	
	EA			100 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.01)	3,405.00	
	EA			1,000 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.02)	4,180.92	
	EA			KW Meter With H8163-2400-4-3 Series, With 3, 2,400 Amp CT's And BACnet MS/TP Interface (Delta Controls H8186-CB)	1,558.19	96.64
	EA			Delta Controls Touch Screen (Delta Controls DHMI-7-I)	1,590.50	
23 09 23 00-0322				EMCS Central Equipment And Controllers (23 09 23 00-0310)		
	EA			Fully Programmable, Native BACnet Building Controller, 32 Universal Inputs/32 Analog Or Binary Outputs HOA'S, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), SubLAN (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet @ 76800 bps, Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E + DFM1616)	5,872.17	386.55
	EA			Fully Programmable, Native BACnet Building Controller, 16 Universal Inputs/16 Analog Or Binary Outputs HOA'S, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), Sublan (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet @ 76800 Bps (Maximum 12 Devices On LINKnet, With 2 DFM Devices) Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E)	4,630.70	386.55
	EA			Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)	3,596.79	386.55
	EA			Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 8 Analog Or Binary Outputs (Delta Controls DAC-1180)	3,596.79	386.55
	EA			Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)	3,596.79	386.55
	EA			Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3)	3,407.72	386.55
	EA			VAV Controllers Are Native BACnet Application Controllers That Are Fully Programmable, Communicate On A RS-485 LAN Using The MS/TP BACnet Protocol, 3 Universal Inputs, 4 Binary Outputs, Actuator Position Feedback, Supports 4 BACstat Network Sensors On LINKnet For Room Sensing And Control Or 2 Delta Field Modules On LINKnet For I/O Expansion (Delta Controls DVC-304AF)	1,116.45	193.28

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0330	EA		Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	1,033.04	193.28
23 09 23 00-0331	EA		Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3)	1,088.39	193.28
23 09 23 00-0332	EA		Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	1,033.04	193.28
23 09 23 00-0333	EA		Remotely Expandable I/O To Delta's BACnet Controllers, 16 Universal Inputs, 16 Analog Outputs (Delta Controls DFM-1616)	2,207.86	241.60
23 09 23 00-0334	EA		Remotely Expandable I/O To Delta's BACnet Controllers, 4 Universal Inputs, 4 Analog Outputs (Delta Controls DFM-440)	589.94	96.64
23 09 23 00-0335	EA		Remotely Expandable I/O To Delta's BACnet™ Controllers, 4 Universal Inputs, 4 Binary Triac Outputs (Delta Controls DFM-404)	625.11	96.64
23 09 23 00-0336	EA		Remotely Expandable I/O To Delta's BACnet™ Controllers, 16 Universal Inputs (Delta Controls DFM-1600)	716.32	96.64
23 09 23 00-0337			Network, VAV And Special Sensors (23 09 23 00-0310)		
23 09 23 00-0338	EA		BACnet MS/TP VAV Network Room Temperature Sensor With LCD Display (Delta Controls DNS-24)	182.00	30.92
23 09 23 00-0339	EA		BACnet MS/TP VAV Network Temperature And Humidity Sensor With LCD Display (Delta Controls DNS-H24)	242.15	34.79
23 09 23 00-0340	EA		Programmable BACnet MS/TP Thermostat With 8 Button Keypad And LCD Display For DX Unit, Fan Coils And RTU (Delta Controls DAC-T305-G2B)	451.30	14.50
23 09 23 00-0341			Trane Controls (23 09 23)		
23 09 23 00-0342			Software (23 09 23 00-0341)		
			Note: Excludes programming, set-up and commissioning of application.		
23 09 23 00-0343	EA		Summit + Building Management Package (Trane 40201152)	4,254.35	
23 09 23 00-0344	EA		Summit Current Version Software (Trane 40201111)	2,439.21	
23 09 23 00-0345	EA		Summit Customer Upgrade Package, Currently V10-V16 To V17 (Trane 40201113)	568.36	
23 09 23 00-0346	EA		Rover Service Software And Hardware, Complete Kit (Trane X1365150001)	2,426.02	
23 09 23 00-0347	EA		Tracer SC With -X1365152401 - BACnet (2 Pack) (Trane BMSC000AAA011000)	6,549.23	
23 09 23 00-0348			EMCS Central Equipment And Controllers (23 09 23 00-0341)		
23 09 23 00-0349	EA		Summit BTMX Operator Display Upgrade (Trane 40201224)	4,490.17	386.55
23 09 23 00-0350	EA		Summit BTMX Retrofit Kit For BMTS And BMTW BCU (Trane 49500531)	9,102.89	386.55
23 09 23 00-0351	EA		Summit BTMX Retrofit Kit For Tracer 100 (Trane 49500532)	9,102.89	386.55
23 09 23 00-0352	EA		Summit BTMX, 120 Volt, (Trane BMTX-001-A-A-B0-00)	8,101.31	386.55
23 09 23 00-0353	EA		Summit BTMX, 120 Volt, With Display (Trane BMTX-001-A-A-B0-10)	9,265.84	386.55
23 09 23 00-0354	EA		Summit CCP Upgrade ROM Kit (Trane 40201095)	154.62	24.16
23 09 23 00-0355	EA		Summit Comm5 Repeater (Trane 49500457)	1,200.53	193.28
23 09 23 00-0356	EA		AHU Controller MP580/581 E Board Only (Trane 40201157)	1,942.81	241.60
23 09 23 00-0357	EA		AHU Controller MP581 120 Volt AC With Enclosure And Display (Trane BMTM000AAC01)	2,470.38	289.92
23 09 23 00-0358	EA		AHU Controller MP581 120 Volt AC With Enclosure, No Display (Trane BMTM000AAC00)	2,007.56	289.92
23 09 23 00-0359	EA		AHU Controller MP581 Operator Door Display (Trane 40201156)	1,746.44	289.92
23 09 23 00-0360	EA		AHU Controller MP581 Portable, Rugged, With Case (Trane 49500491)	1,744.44	289.92
23 09 23 00-0361	EA		Controller MP503 I/O Module With Metal Enclosure (Trane 49500590)	749.12	96.64
23 09 23 00-0362	EA		Controller MP503 I/O Module With Plastic Cover (Trane 49500490)	691.59	96.64
23 09 23 00-0363	EA		Controller MP581 EX2 Expansion Module With Metal Enclosure (Trane 49500500)	1,268.17	193.28
23 09 23 00-0364	EA		Controller MP581 EX2 Expansion Module With Plastic Cover (Trane 49500499)	1,220.46	193.28
23 09 23 00-0365	EA		2 Position, FCU Controller ZN511 Zone With Metal Enclosure (Trane 49500569)	670.51	96.64
23 09 23 00-0366	EA		2 Position, FCU Controller ZN511 Zone With Plastic Cover (Trane 4950-0469)	601.24	96.64
23 09 23 00-0367	EA		4 Position, FCU Controller ZN517 Zone With Metal Enclosure (Trane 49500596)	840.97	96.64
23 09 23 00-0368	EA		4 Position, FCU Controller ZN517 Zone With Plastic Cover (Trane 49500496)	772.08	96.64
23 09 23 00-0369	EA		Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 4950049)	676.68	96.64
23 09 23 00-0370	EA		Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 49500496)	649.97	96.64
23 09 23 00-0371	EA		Modulating Tri ST FCU Controller ZN521 Zone With Metal Cover (Trane 49500570)	731.46	96.64
23 09 23 00-0372	EA		Modulating Tri ST FCU Controller ZN521 Zone With Plastic Cover (Trane 49500470)	676.68	96.64
23 09 23 00-0373	EA		DDC VAV Retrofit Kit (Trane VRTODD01)	1,007.49	193.28
23 09 23 00-0374	EA		DDC VAV Retrofit Kit With Belimo Actuator (Trane VRTODD01BLMO)	1,075.62	193.28
23 09 23 00-0375			Network, VAV And Special Sensors (23 09 23 00-0341)		
23 09 23 00-0376	EA		Digital Display Zone Sensor (Trane X13790464010)	155.84	30.92
23 09 23 00-0377	EA		Single Setpoint Wall Mounted Zone Temperature Sensor (Trane X13511529010)	111.20	30.92
23 09 23 00-0378	EA		Wall Mounted Zone Temperature-Only Sensor (Trane X13511528010)	103.67	30.92
23 09 23 00-0379	EA		Ceiling Mount Zone Occupancy Sensor (Trane X13790421-01)	189.71	34.79
23 09 23 00-0380	EA		Zone LCD O/C Setpoint, 3 Speed Fan (Trane 41901121)	121.47	30.92
23 09 23 00-0381	EA		Zone Sensor LCD O/C Setpoint (Trane 41901120)	121.47	30.92
23 09 23 00-0382	EA		Duct CO2 Sensor, 0 To 2,000 ppm (Trane X13790423010)	387.13	55.67
23 09 23 00-0383	EA		Room CO2 Sensor, 0 To 2,000 ppm (Trane X13790422010)	340.34	30.92
23 09 23 00-0384	EA		Transformer 120/24 40 VA (Trane X13550284010)	99.90	30.92
23 09 23 00-0385	EA		Transformer 24 Volt AC Wall Plug-In (Trane 35803005)	97.21	30.92
23 09 23 00-0386	EA		Transformer UL Listed 120 Volt AC, 40 VA (Trane 35812022)	92.91	30.92
23 09 23 00-0387	EA		Controller UC400 VAV Kit With Enclosure, And Belimo (Trane 5189454010)	1,102.49	193.28
23 09 23 00-0388	EA		Controller UC400 VAV Kit With Enclosure, No Actuator (Trane 5189456010)	1,065.73	193.28
23 09 23 00-0389	EA		Controller UC400 XM32 Module (4 Relay) (Trane X13651563010)	989.14	193.28



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 09 23 00-0390	EA		Controller UC400 XM70 (8UI,6UI/AO,4R,1P) (Trane X13651568010)	1,702.42	289.92
	23 09 23 00-0391	EA		Controller UC400 XM30 I/O Module (4 UI/AO) (Trane X13651537010)	989.14	193.28
	23 09 23 00-0392	EA		Controller UC210 VAV With Belimo Actuator (Trane BMUC210AAA0B00011)	1,027.94	193.28
	23 09 23 00-0393	EA		Controller UC210 VAV Without Actuator (Trane BMUC210AAA0100011)	1,031.09	193.28
	23 09 23 00-0394	EA		Controller Optional Metal Enclosure, UC210 (Trane 501898)	403.52	192.45
	23 09 23 00-0395	EA		Controller UC400 PM014 24 Volt AC To 1.4 Amp 24 Volt DC (Trane X1365153801)	533.08	192.45
	23 09 23 00-0396	EA		Controller Tracer UC600 Controller (Trane BMUC600AAA0100011)	1,865.41	289.92
	23 09 23 00-0397	EA		Controller UC600 Tracer TD7 Display (Trane X13651571010)	1,806.24	289.92
	23 09 23 00-0398	EA		Controller UC600 TD7 Mounting Bracket (Trane X05010511010)	113.35	38.51
	23 09 23 00-0399	EA		Controller UC400 13" DIN Rail Enclosure, 120 Volt (Trane X13651559010)	368.41	38.51
	23 09 23 00-0400	EA		SC 24" DIN Rail Enclosure, 120 Volt (Trane X13651552010)	1,901.98	289.92
	23 09 23 00-0401	EA		BACnet Term (2 Pack) (Trane X1365152401)	184.45	69.29
	23 09 23 00-0402	EA		Tracer ES Add License (Trane X40250125010)	2,328.33	
	23 09 23 00-0403	EA		Kit - Tracer TU For Controls (Trane X4509151201)	3,323.44	386.55
	23 09 23 00-0404	EA		Kit - Tracer TU Complete (Trane X4509151301)	4,224.96	386.55
	23 09 23 00-0405	EA		Tracer TU Adapter Wired/Wireless (Trane X13651529010)	412.52	69.29
	23 09 23 00-0406	EA		Sensor Wireless Zone Sensor, Fahrenheit (Trane X13790492010)	253.84	69.29
	23 09 23 00-0407	EA		Sensor Wireless Display Sensor (Trane X13790822010)	281.81	69.29
	23 09 23 00-0408	EA		Sensor Wireless Receiver, 100mW (Trane X13790854010)	256.53	69.29
	23 09 23 00-0409	EA		Sensor Wireless Comm Interface (WCI) Indoor, 100mW (Trane X13790901010)	333.81	69.29
	23 09 23 00-0410	EA		Sensor Wireless Comm Interface (WCI) Outdoor, 100mW (Trane X13790941010)	360.15	69.29
23 09 23 00-0411	Johnson Controls (23 09 23)					
23 09 23 00-0412	Software (23 09 23 00-0411)					
	Note: Excludes programming, set-up and commissioning of application.					
	23 09 23 00-0413	EA		5 Concurrent User Application And Data Server (Johnson Controls MS-ADS05U-0)	11,330.32	
	23 09 23 00-0414	EA		10 Concurrent User External Application And Data Server (Johnson Controls MS-ADX10U-0)	13,385.34	
	23 09 23 00-0415	EA		N2 Controllers Commissioning And Download Software (Johnson Controls MW-MTOOL-0)	735.81	
	23 09 23 00-0416	EA		N2 Controllers Download Cable Kit (Johnson Controls AS-CBLPRO-2)	1,074.49	
	23 09 23 00-0417	EA		BACnet FEU Controllers Commissioning And Download Software (Johnson Controls MS-CCTSWO-0)	1,842.76	
	23 09 23 00-0418	EA		BACnet Controllers Download Bluetooth Converter (Johnson Controls MS-BTCVT-0)	741.55	
	23 09 23 00-0419	EA		New User FX Tools Pro CD-Rom (FX Builder, FX Builder Expres, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-0)	738.16	
	23 09 23 00-0420	EA		Upgrade FX Tools Pro CD-Rom (FX Builder, FX Builder Expres, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-6)	318.86	
23 09 23 00-0421	Supervisory Controllers (23 09 23 00-0411)					
	23 09 23 00-0422	EA		NAE With 1 RS-485, Support For 50 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE3510-2)	5,743.47	386.55
	23 09 23 00-0423	EA		NAE With 1 RS-485, Support For 100 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE4511-2)	8,453.68	386.55
	23 09 23 00-0424	EA		NAE With 2 RS-485, Support For 200 Devices (N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE5511-1)	11,169.90	386.55
	23 09 23 00-0425	EA		NCE, 33 Points, Network Control Engine, 32 N2 Device Support Supervisory Controllers (Johnson Controls MS-NCE2510-0)	4,699.51	386.55
23 09 23 00-0426	Controllers (23 09 23 00-0411)					
	23 09 23 00-0427	EA		10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-FEU1610-0)	674.55	96.64
	23 09 23 00-0428	EA		10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus, Mounting Base And Integral Display (Johnson Controls MS-FEU1620-0)	855.27	193.28
	23 09 23 00-0429	EA		17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Mounting Base (Johnson Controls MS-FEU2610-0)	1,187.84	193.28
	23 09 23 00-0430	EA		17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Integral Display (Johnson Controls MS-FEU2620-0)	1,368.55	193.28
	23 09 23 00-0431	EA		BACnet MS/TP 4-Point I/O Module With 4 BI, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM1710-0)	570.88	96.64
	23 09 23 00-0432	EA		BACnet MS/TP 6 Point I/O Module With 2 UI, 2 UO, 2 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM2710-0)	616.96	96.64
	23 09 23 00-0433	EA		BACnet MS/TP 12 Point I/O Module with 4 UI, 4 UO, 4 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM3710-0)	686.08	96.64
	23 09 23 00-0434	EA		17 Point I/O Module with 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-IQU4710-0)	695.29	96.64
	23 09 23 00-0435	EA		BACnet MS/TP Rooftop Controller For Stand-Alone And Networked Zoning Systems (Johnson Controls TEC2664Z-2)	1,415.57	193.28
	23 09 23 00-0436	EA		32-bit, Integrated VAV Controller/Actuator/DPT, 3 UI, 3 BO, and 2 CO; 24 VAC; Field Controller Bus And Sensor Actuator Bus (Johnson Controls MS-VMA1630-0)	683.61	96.64
	23 09 23 00-0437	EA		32-bit, Integrated VAV Controller/Actuator/Pressure Sensor - DPT, 3 UI and 3 BO, 2 CO, 24 VAC, and Sensor Actuator Bus, Includes 6-pin Sensor Port for use with TE-7xx Series Non-Communicating Sensors and two Ethernet Ports for BACnet/IP Communications (Johnson Controls MS-VMA1930-0)	947.00	96.64
23 09 23 00-0438	Master FX Controllers (23 09 23 00-0411)					
	23 09 23 00-0439	EA		6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X00-000C)	1,733.46	193.28
	23 09 23 00-0440	EA		6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X01-000C)	1,842.76	193.28

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0441 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X02-000C).....	1,897.08	193.28
23 09 23 00-0442 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X03-000C).....	1,864.07	193.28
23 09 23 00-0443 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X04-000C).....	1,812.49	193.28
23 09 23 00-0444 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X11-000C).....	1,820.76	193.28
23 09 23 00-0445 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X14-000C).....	1,812.49	193.28
23 09 23 00-0446 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X50-000C).....	1,842.88	193.28
23 09 23 00-0447 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X51-000C).....	1,937.28	193.28
23 09 23 00-0448 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X52-000C).....	2,000.20	193.28
23 09 23 00-0449 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X53-000C).....	1,968.74	193.28
23 09 23 00-0450 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X54-000C).....	1,904.33	193.28
23 09 23 00-0451 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X60-000C).....	1,842.88	193.28
23 09 23 00-0452 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X61-000C).....	1,937.28	193.28
23 09 23 00-0453 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X62-000C).....	2,000.20	193.28
23 09 23 00-0454 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X63-000C).....	1,968.74	193.28
23 09 23 00-0455 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X64-000C).....	1,904.33	193.28
23 09 23 00-0456 EA N2 Open Communication Card For FX16 (Johnson Controls LP-NET151-010C).....	208.13	48.32
23 09 23 00-0457 EA LON Communication Card For FX15 and FX16 (Johnson Controls LP-NET152-010C).....	285.57	48.32
23 09 23 00-0458 EA RS-232 Communication Card For FX16 (Johnson Controls LP-NET163-000C).....	229.87	48.32
23 09 23 00-0459 EA BACnet Communications Card For FX16 (Johnson Controls LP-NET164-000C).....	208.13	48.32
23 09 23 00-0460 EA Remote Medium User Interface For FX16 (Johnson Controls LP-DIS60P20-0C).....	569.10	48.32
23 09 23 00-0461 EA Facility Explorer Extension I/O Module (Johnson Controls LP-XT91D00-000C).....	529.27	48.32
23 09 23 00-0462 EA 5 UI, 4 BI, 3 AO, 6 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X01-000C).....	538.60	48.32
23 09 23 00-0463 EA 5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X11-000C).....	538.60	48.32
23 09 23 00-0464 EA 5 UI, 4 BI, 3 AO, 6 Relay DO (Manual Overrides For 2 AO And 4 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X51-000C).....	585.19	48.32
23 09 23 00-0465 EA 5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO (Manual Overrides For 2 AO, 2 Triac DO, And 2 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X61-000C).....	585.19	48.32
23 09 23 00-0466 EA 6 UI, 12 BI, 4 AO, 9 Relay DO Expansion I/O Module (Johnson Controls LP-XM14X01-000C).....	719.13	48.32
23 09 23 00-0467 EA 6 UI, 12 BI, 4 AO, 4 Triac DO Expansion I/O Module (Johnson Controls LP-XM14X11-000C).....	719.13	48.32
23 09 23 00-0468 EA 6 UI, 12 BI, 4 AO, 9 Relay DO (Manual Overrides For 3 AO And 7 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X51-000C).....	794.83	48.32
23 09 23 00-0469 EA 6 UI, 12 BI, 4 AO, 4 Triac DO, 5 Relay DO (Manual Overrides For 3 AO, 2 Triac DO, And 5 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X61-000C).....	794.83	48.32
23 09 23 00-0470 VAV, Network And Special Sensors (23 09 23 00-0411)		
23 09 23 00-0471 EA 3" x 4-1/2", Surface Or Box Mounted, LCD RH Display, 3% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHR7001-0).....	364.49	30.92
23 09 23 00-0472 EA 3" x 4-1/2", Surface Or Box Mounted, Addressing Switch BACnet Temperature Sensor (Johnson Controls NS-BTN7003-0).....	135.98	30.92
23 09 23 00-0473 EA 3" x 4-1/2", Surface Or Box Mounted, 3% RH Accuracy, BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHN7001-0).....	286.85	30.92
23 09 23 00-0474 EA 3" x 4-1/2", Surface Or Box Mounted, LCD Display, 2% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint Addressing Switch BACnet Temperature And Humidity Sensor (Johnson Controls NS-BPB7003-0).....	418.62	30.92
23 09 23 00-0475 EA 3" x 4-1/2", Surface Or Box Mounted, LCD Display, Occupancy Override, Adjustable Temperature Setpoint, BACnet Temperature Sensor (Johnson Controls NS-BTB7001-0).....	153.09	30.92
23 09 23 00-0476 EA 3" x 4-1/2", Surface Or Box Mounted CO2 Sensor, 0 To 2,000 ppm (Johnson Controls NS-BCN7004-0).....	381.47	30.92
23 09 23 00-0477 Sensors - Hard Wired Type (23 09 23 00-0411)		
23 09 23 00-0478 EA Duct Mount Temperature Sensor, Platinum RT, With Handi-Box (Johnson Controls TFDCR00).....	149.48	55.67
23 09 23 00-0479 EA Well Insertion Temperature Sensor, With Stainless 4-1/2" Well (Johnson Controls TIGB1C0).....	116.42	30.92
23 09 23 00-0480 EA BACnet MS/TP Networked, Single Stage Thermostat (Johnson Controls TEC2601-2).....	288.37	14.50
23 09 23 00-0481 EA BACnet MS/TP Networked Two Outputs, Dehumidification Capability And Three Speed Fan Control Thermostat (Johnson Controls TEC2616-2).....	382.94	14.50
Note: For two or four pipe fan coils, cabinet unit heaters or other equipment using on/off, floating, or proportional 0 to 10 VDC control input, three speeds of fan control, and dehumidification capability.		
23 09 23 00-0482 EA BACnet MS/TP Networked Thermostats With Two Outputs (Johnson Controls TEC2627VVT-2).....	288.89	14.50
Note: For VVT systems.		
23 09 23 00-0483 EA BACnet MS/TP Zone Controller For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2).....	373.03	30.92
23 09 23 00-0484 EA BACnet Zone Controller With Occupancy Sensor For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2+PIR).....	454.88	30.92
23 09 23 00-0485 Automated Logic Controls (23 09 23)		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0486	EA			0 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0100).....	2,369.18	231.93
23 09 23 00-0487	EA			0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0320).....	5,572.40	695.80
23 09 23 00-0488	EA			2 Digital Outputs, 2 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M220nx).....	1,745.81	231.93
23 09 23 00-0489	EA			4 Digital Outputs, 10 Universal Inputs, 6 Analog Outputs Standalone Control Module (Automated Logic M4106nx).....	3,407.02	309.24
23 09 23 00-0490	EA			8 Digital Outputs, 10 Universal Inputs, 2 Analog Outputs Standalone Control Module (Automated Logic M8102nx).....	3,360.50	309.24
23 09 23 00-0491	EA			16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M16160).....	5,604.52	618.48
23 09 23 00-0492	EA			8 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M880nx).....	3,058.12	309.24
23 09 23 00-0493	EA			0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX0320).....	2,946.03	231.93
23 09 23 00-0494	EA			16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX16160).....	5,325.40	618.48
23 09 23 00-0495	EA			No Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642).....	1,294.61	154.63
23 09 23 00-0496	EA			With Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642D).....	1,368.11	154.63
23 09 23 00-0497	EA			3 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN341+).....	1,755.85	154.63
23 09 23 00-0498	EA			1 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN141+).....	1,703.51	154.63
23 09 23 00-0499	EA			Air Flow Sensor And Damper Actuator Accessory For ZN341V+ Or ZN141V+ (Automated Logic ZASF).....	1,624.86	231.93
23 09 23 00-0500	EA			Unlimited Points, Front End Software For Building Control (Automated Logic WC).....	8,413.45	
23 09 23 00-0501	EA			500 Point, Front End Software For Building Control (Automated Logic WC500).....	5,575.73	
23 09 23 00-0502	EA			Enterprise Integration Option, Front End Software For Building Control (Automated Logic WC-ENTERPRISE).....	6,588.11	
23 09 23 00-0503 Alerton Controls <small>(23 09 23)</small>						
23 09 23 00-0504	EA			50 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-SMALL).....	6,053.00	
23 09 23 00-0505	EA			150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-MEDIUM).....	7,574.80	
23 09 23 00-0506	EA			Dashboard Option, 150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-MEDIUM).....	18,085.75	
23 09 23 00-0507	EA			Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-LARGE).....	13,744.27	
23 09 23 00-0508	EA			Dashboard Option, Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-LARGE).....	34,309.16	
23 09 23 00-0509	EA			Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-ENTERPRISE).....	27,206.96	
23 09 23 00-0510	EA			Dashboard Option, Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-ENTERPRISE).....	41,164.11	
23 09 23 00-0511	EA			Alerton Building Suite Tech License (Alerton ABS-3-TECH).....	1,215.31	
23 09 23 00-0512	EA			Enterprise Edition With SQL Server Support, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-ENT1).....	16,056.67	
23 09 23 00-0513	EA			Unlimited Controllers, Unlimited Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-LRG).....	11,936.84	
23 09 23 00-0514	EA			150 Controllers, 3 Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-MED).....	7,542.82	
23 09 23 00-0515	EA			50 Controllers, 1 Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-SM).....	4,931.07	
23 09 23 00-0516	EA			10 Controllers, 1 Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-XS).....	1,984.54	
23 09 23 00-0517	EA			1 Ethernet, 1 MS/TP, BACTalk Control Module (Alerton 715000100).....	3,261.85	231.93
23 09 23 00-0518	EA			Foreign Protocol Converter For P1 Systems, BACTalk Control Module (Alerton BCM-FPCS).....	4,764.39	309.24
23 09 23 00-0519	EA			Modbus Gateway, BACTalk Control Module (Alerton BCM-MDBS).....	4,708.64	309.24
23 09 23 00-0520	EA			V.90/56K Modem, BACTalk Control Module (Alerton BCM-MDM).....	1,913.70	231.93
23 09 23 00-0521	EA			1 MS/TP, BACTalk Control Module (Alerton 715000300).....	2,240.46	231.93
23 09 23 00-0522	EA			Power Supply, BACTalk Control Module (Alerton BCM-PWS).....	1,813.16	231.93
23 09 23 00-0523	EA			1 TUX Trunk, BACTalk Control Module (Alerton BCM-TUX).....	2,165.52	231.93
23 09 23 00-0524	EA			Web Server And Configurator CD, BACTalk Control Module (Alerton BCM-WEB).....	4,619.13	231.93
23 09 23 00-0525	EA			BACTalk Field Level Gateway For Modbus (Alerton FLG-MODBUS).....	2,439.65	309.24
23 09 23 00-0526	EA			EXP BACnet Controller (Alerton VLX).....	5,265.46	618.48
23 09 23 00-0527	EA			VLX BACnet High Performance Controller (Alerton VLX-PLATINUM).....	5,980.67	618.48
23 09 23 00-0528	EA			Multiple Segment MS/TP Repeater (Alerton MSTP-REP).....	768.87	68.87
23 09 23 00-0529	EA			4 Inputs, 2 Flow Transducers, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD).....	1,628.08	231.93
23 09 23 00-0530	EA			4 Inputs, 2 Flow Transducers, 3 Binary Triac Outputs, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD7).....	1,703.49	231.93
23 09 23 00-0531	EA			4 Inputs, 1 Flow Transducers, 3 Hot-Switching Binary Triac Outputs, 2 Ground-Switching Binary Triac Outputs, Single-Duct VAV Controller (Alerton VAV-SD).....	1,443.00	231.93
23 09 23 00-0532	EA			4 Universal Inputs, 5 Binary Outputs, 2 Analog Outputs, Single-Duct VAV Controller (Alerton VAV-SD2A).....	1,548.11	231.93
23 09 23 00-0533	EA			5 Universal Inputs, 6 Binary Outputs, Integral Honeywell Actuator, Single-Duct VAV Controller (Alerton VAVIH-SD).....	1,543.54	231.93
23 09 23 00-0534	EA			11 Inputs, 8 Binary Triac Outputs, 8 Analog Outputs, BACTalk Field Controller For Central Plant Systems (Alerton VLC-1188).....	2,146.78	231.93
23 09 23 00-0535	EA			16 Inputs, BACTalk Field Controller (Alerton VLC-1600).....	1,731.37	231.93
23 09 23 00-0536	EA			16 Inputs, 16 Binary Triac Outputs, BACTalk Field Controller (Alerton VLC-16160).....	2,537.91	309.24
23 09 23 00-0537	EA			4 Universal Inputs, 4 Binary Outputs, 4 Analog Outputs, Field Controller (Alerton VLC-444).....	1,151.05	154.63
23 09 23 00-0538	EA			5 Inputs, 5 Binary Outputs, BACTalk Field Controller (Alerton VLC-550).....	1,120.88	154.63
23 09 23 00-0539	EA			6 Inputs, 2 Binary Triac Outputs, 3 Isolated Relay Outputs, BACTalk Field Controller (Alerton VLC-651R).....	1,554.96	231.93
23 09 23 00-0540	EA			6 Inputs, 3 Binary Triac Outputs, 3 Isolated Relay Outputs, BACTalk Field Controller (Alerton VLC-660R).....	1,554.96	231.93
23 09 23 00-0541	EA			8 Inputs, 5 Binary Triac Outputs, 3 Analog Outputs, BACTalk Field Controller (Alerton VLC-853).....	1,798.54	231.93
23 09 23 00-0542	EA			16 Universal Inputs, 8 Binary Outputs, 8 Analog Outputs, Field Controller (Alerton VLCA-1688).....	3,338.11	309.24
23 09 23 00-0543	EA			2 Fixed Inputs, 3 Universal Inputs, 6 Binary Outputs, 2 Analog Outputs, VisualLogic Display Controller (Alerton VLD-362).....	1,598.38	231.93
23 09 23 00-0544	EA			Wireless Door Contact Sensor (Alerton AL-OC-DS).....	97.69	8.70
23 09 23 00-0545	EA			One-Speed BACTalk Microset Wall Sensor (Alerton MS-1010-BT).....	150.88	8.70
23 09 23 00-0546	EA			One-Speed BACTalk Microset Wall Sensor With RH Sensor (Alerton MS-1010H-BT).....	366.58	8.70
23 09 23 00-0547	EA			Three-Speed BACTalk Microset Wall Sensor (Alerton MS-1030-BT).....	366.58	8.70
23 09 23 00-0548	EA			Three-Speed BACTalk Microset Wall Sensor With RH Sensor (Alerton MS-1030H-BT).....	287.99	8.70
23 09 23 00-0549	EA			BACnet-Compliant Wall Sensor (Alerton TS-1050-BT).....	105.19	8.70
23 09 23 00-0550	EA			Wireless Temperature And Humidity Sensor (Alerton WTS-1000-KIT).....	386.24	8.70
23 09 23 00-0551	EA			Wireless Temperature And Humidity Sensor With Temperature Adjustment Knob And Manual Override (Alerton WTS-1050-KIT).....	431.94	8.70
23 09 23 00-0552	EA			10 12-Bit Inputs, 12 Binary Triac Outputs Expansion Module (Alerton EXP-10-12-0).....	2,142.21	231.93

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0553 EA 10 12-Bit Inputs, 4 Binary Triac Outputs Expansion Module (Alerton EXP-10-4-8).....	2,254.62	231.93
23 09 23 00-0554 EA 22 12-Bit Inputs Expansion Module (Alerton EXP-22-0-0).....	2,157.75	231.93
23 09 23 00-0555 Siemens Controls (23 09 23)		
23 09 23 00-0556 EA Concealed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1083).....	279.06	14.50
23 09 23 00-0557 EA Exposed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1085).....	203.21	14.50
23 09 23 00-0558 EA SPST/Manual Reset, 1" To 12" Set Point Range, Differential Static Pressure Airflow Switch (Siemens 141-0575).....	232.61	65.29
23 09 23 00-0559 EA -0.5" To 0.5" WG, Low Differential Pressure Transmitter (Siemens 141-0591).....	329.45	65.29
23 09 23 00-0560 EA Spring Clip Mounting Kit For Thermostat (Siemens 182-685).....	46.29	9.66
23 09 23 00-0561 EA Two Position, Pneumatic Circuit, RL243 Switching Relay (Siemens 243-0001).....	156.62	96.64
23 09 23 00-0562 EA 3/4" Two Way, Normally Closed, 6.3 Cv, FxF, Brass Trim, Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 260-02012).....	247.76	16.10
23 09 23 00-0563 EA 1" Three Way, 10 Cv, FxF, Stainless Steel Trim. Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 266-02079).....	437.54	29.24
23 09 23 00-0564 EA 1" Three Way, 10 Cv, FxF, Brass Trim, 0 To 10 Volt DC, 4 To 20 mA Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 274-03203).....	862.91	29.24
23 09 23 00-0565 EA 1-1/4" Two Way, 16 Cv, FxF, Stainless Steel Trim, 0 To 10 Volt DC Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 298-03006).....	737.29	37.04
23 09 23 00-0566 EA 36" Rigid Probe, 4 To 20 mA, 20 To 120 Degree F Range, Duct Averaging Sensor (Siemens 535-490-36).....	226.22	55.67
23 09 23 00-0567 EA -58 To 122 Degree F Range, Outside Air Temperature Sensor (Siemens 536-768).....	179.17	30.92
23 09 23 00-0568 EA Unit Conditioner Controller With Secure Mode (Siemens 540-110C).....	1,034.51	154.63
23 09 23 00-0569 EA 9-Pin, Female To RJ-11 Cable (Siemens 540-143).....	68.05	4.84
23 09 23 00-0570 EA Terminal Box Controller, Electronic Output, For Trane (Siemens 540-800).....	1,161.37	154.63
23 09 23 00-0571 EA MMI Extension Cable (Siemens 545-712).....	105.46	4.84
23 09 23 00-0572 EA Remote Pressure Transmitter (Siemens 547-003).....	849.05	30.92
23 09 23 00-0573 EA Cooling Only, GDE, BACnet Actuating Terminal Equipment Controller (Siemens 550-400).....	585.99	77.31
23 09 23 00-0574 EA BACnet Unit Conditioner Fan Coil Controller (Siemens 550-433).....	483.96	77.31
23 09 23 00-0575 EA Replacement Door Lock And Key Assembly (Siemens 567-225).....	29.73	19.32
23 09 23 00-0576 EA Insight Advanced Software Package (Siemens 571-010-381-USB).....	8,469.98	
Note: Includes one user license and one sentinel key.		
23 09 23 00-0577 EA BACnet Client Option For Insight Advanced Software Package (Siemens 571-188).....	383.00	
23 09 23 00-0578 EA Soft Controller Option For Insight Advanced Software Package (Siemens 571-620).....	1,933.69	
23 09 23 00-0579 EA 1" Steam, Normally Open, 10 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03059).....	291.37	9.72
23 09 23 00-0580 EA 2" Steam, Normally Open, 40 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03062).....	608.75	16.86
23 09 23 00-0581 EA Firefinder XLS Driver, Modular Equipment Controller With RS-485 BLN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, HOA-Ready (Siemens 986-83481C).....	8,528.68	386.55
23 09 23 00-0582 EA SiPass Driver, Modular Equipment Controller With RS-485 ALN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, Modem With HOA (Siemens 986-83482F).....	9,509.73	386.55
23 09 23 00-0583 EA 7" x 13-7/16" x 3-3/4" Weather Shield (Siemens ASK75.3U).....	109.18	14.50
23 09 23 00-0584 EA Two Position, 24 VAC/VDC, Standard Cabling, Dual Auxillary Switches, Electronic Damper Actuator With Spring Return (Siemens GMA126.1U).....	466.69	85.16
23 09 23 00-0585 EA Modulating, 0 To 10 VDC, , 24 VAC/VDC, Standard Cabling, Electronic Damper Actuator With Spring Return (Siemens GMA161.1U).....	483.72	85.16
23 09 23 00-0586 EA License To Enable 4 TX-I/O Modules On The Island Bus And FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-36.A).....	2,437.72	
23 09 23 00-0587 EA License To Enable FLN Support On PXC-16 or PXC-24 "F" Models (Siemens LSM-FLN).....	492.24	
23 09 23 00-0588 EA License To Enable FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-FLN36.A).....	1,584.23	
23 09 23 00-0589 EA License To Enable BACnet Field Panel Web Server (PXC-36) Or Web Services (PXC-16/24) (Siemens LSM-FPWEB).....	1,134.09	
23 09 23 00-0590 EA License To Enable 4 TX-I/O Modules On The Island Bus On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-IB36.A).....	974.92	
23 09 23 00-0591 EA License To Enable SNMP Agent License To Enable SNMP Agent (Siemens LSM-SNMP).....	2,882.30	
23 09 23 00-0592 EA 16-Switch HOA Upgrade Kit (Siemens PXA16-M).....	464.02	1.94
23 09 23 00-0593 EA 16-Switch HOA Upgrade Kit (Extended Temp, UL 916) With HMI Cable (Siemens PXA16-MR).....	517.20	7.74
23 09 23 00-0594 EA 8-Switch HOA Upgrade Kit (Siemens PXA8-M).....	264.85	1.94
23 09 23 00-0595 EA 18" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC18).....	330.14	19.32
23 09 23 00-0596 EA 19" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC19).....	521.30	19.32
23 09 23 00-0597 EA 34" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC34).....	689.17	19.32
23 09 23 00-0598 EA Serial Cable Required For HOA Or PXM10T/S Connection To Non-Rooftop Variants Of The 16-Point And 24-Point Compact Series (Siemens PXA-HMI.CABLEP5).....	28.53	9.66
23 09 23 00-0599 EA 115 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB115V192VA).....	659.14	48.32
23 09 23 00-0600 EA 115 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB115V384VA).....	932.69	48.32
23 09 23 00-0601 EA 230 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB230V192VA).....	759.92	48.32
23 09 23 00-0602 EA 230 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB230V384VA).....	1,047.88	48.32
23 09 23 00-0603 EA PXC Modular, BACnet/IP Or MS/TP ALN, P1 Or MS/TP FLN, PXX-485.3 Is Also Required As The Connection To The FLN Devices (Siemens PXC00-E96.A).....	5,097.30	541.18
23 09 23 00-0604 EA PXC Modular Series For BACnet Networks, TX-I/O Module, 96 Node (Siemens PXC100-E96.A).....	3,886.65	154.63
23 09 23 00-0605 EA Peer To Peer, TX-I/O, 96 Node, APOGEE Automation System, Programmable Controller - Modular (Siemens PXC100-PE96.A).....	6,649.32	618.48
23 09 23 00-0606 EA 16 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC16.2-E.A).....	2,377.58	289.92
23 09 23 00-0607 EA 16 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC16.2-EF.A).....	2,572.87	289.92
23 09 23 00-0608 EA 16 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC16.2-M.A).....	2,443.47	289.92
23 09 23 00-0609 EA 24 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC24.2-E.A).....	2,931.32	309.24
23 09 23 00-0610 EA 24 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-EF.A).....	3,066.16	309.24
23 09 23 00-0611 EA 24 Point, BACnet/IP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-ER.A).....	3,032.70	309.24
23 09 23 00-0612 EA 24 Point, BACnet/IP ALN, Rooftop, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-ERF.A).....	3,153.52	309.24
23 09 23 00-0613 EA 24 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC24.2-M.A).....	3,029.66	309.24
23 09 23 00-0614 EA 24 Point, MS/TP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-MR.A).....	3,152.69	309.24



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0615 EA 36 Point, BACnet/IP Or MS/TP ALN Compact Programmable Controller (Siemens PXC36-E.A)	4,796.69	541.18
23 09 23 00-0616 EA 36 Point, BACnet/IP or MS/TP ALN, Island Bus, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC36-EF.A)	7,333.80	618.48
23 09 23 00-0617 EA License To Enable The Island Bus On PXC00-E96.A and PXC00-PE96.A (Siemens PXF-TXIO.A)	731.34	
23 09 23 00-0618 EA Controller Mounted Operator Display Module With Point Monitor And Optional Blue Backlight (Siemens PXM10S)	449.93	38.66
23 09 23 00-0619 EA Controller Mounted Operator Display Module (Siemens PXM10T)	564.23	77.31
23 09 23 00-0620 EA Provides FLN Support For The PXC Modular, Includes Three RS-485 P1 FLN Connections Or One MS/TP FLN Connection, Maximum Of 96 Devices Supported (Siemens PXX-485.3)	511.04	19.32
23 09 23 00-0621 EA Full Feature With Display, Override And Temperature Setpoint Adjustment, Room Temperature Sensor, 10K Ohm Type III Thermistor (Siemens QAA22SS.FWSN)	268.58	55.67
23 09 23 00-0622 EA Digital Temperature Room Unit for TEC, Sensing, Setpoint, Override, Display, No Logo (Siemens QAA2280.FWNC)	182.07	30.92
23 09 23 00-0623 EA 4" Platinum, 1,000 Ohm, 385 Alpha Probe, Immersion Temperature Sensor (Siemens QAE2012.010)	122.49	30.92
23 09 23 00-0624 EA 8" Platinum, 1,000 Ohm, 385 Alpha Probe, Duct Temperature Sensor (Siemens QAM2012.020)	164.14	55.67
23 09 23 00-0625 EA 24" Flexible Averaging Probe (Siemens QAM2012.750)	245.46	55.67
23 09 23 00-0626 EA 2 Meter Flexible Duct Temperature Sensor With Four Mounting Clamps (Siemens QAM2120.200)	199.53	55.67
23 09 23 00-0627 EA 10 HP, 240 Volt, NEMA 2 Variable Frequency Drive (Siemens SED2-7.5/22X)	2,113.08	311.37
23 09 23 00-0628 EA Two Sets, Address Keys 1 - 12, Accessory For TX-I/O Module (Siemens TXA1.K12)	26.47	9.66
23 09 23 00-0629 EA Labels For HOA And TX-I/O Modules (Siemens TXA1.LLT-P100)	0.48	
23 09 23 00-0630 EA 16 Digital Input Module (Siemens TXM1.16D)	393.58	9.66
23 09 23 00-0631 EA 6 Digital Output Relay Points, Manual Override, Digital Output Module (Siemens TXM1.6R-M)	579.90	9.66
23 09 23 00-0632 EA 8 Universal Points, Local Override/Identification, Digital Output Module (Siemens TXM1.8X-ML)	912.39	19.32
23 09 23 00-0633 EA 1.2 A, 4A Fuse, Power Supply (Siemens TXS1.12F4)	338.00	30.92
23 09 23 00-0634 Cypress Envirosystems Controls <small>(23 09 23)</small>		
23 09 23 00-0635 Wireless Pneumatic Thermostat <small>(23 09 23 00-0634)</small>		
Note: Wireless pneumatic thermostats, hub and repeaters must be installed by installers certified by the manufacturer.		
23 09 23 00-0636 EA Two-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2DP)	329.34	9.66
Note: One for every thermostat to be retrofitted.		
<i>For >50 To 200, Deduct</i> -16.52		
<i>For >200, Deduct</i> -33.01		
23 09 23 00-0637 EA Two-Pipe Reverse Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2RP)	329.34	9.66
Note: One for every thermostat to be retrofitted.		
<i>For >50 To 200, Deduct</i> -16.52		
<i>For >200, Deduct</i> -33.01		
23 09 23 00-0638 EA Single-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP)	329.34	9.66
Note: One for every thermostat to be retrofitted.		
<i>For >50 To 200, Deduct</i> -16.52		
<i>For >200, Deduct</i> -33.01		
23 09 23 00-0639 EA Single-Pipe Indirect Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1RP)	329.34	9.66
Note: One for every thermostat to be retrofitted.		
<i>For >50 To 200, Deduct</i> -16.52		
<i>For >200, Deduct</i> -33.01		
23 09 23 00-0640 EA Two-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2DP-DB)	373.59	9.66
Note: One for every thermostat to be retrofitted.		
<i>For >50 To 200, Deduct</i> -18.98		
<i>For >200, Deduct</i> -37.93		
23 09 23 00-0641 EA Two-Pipe Reverse Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2RP-DB)	373.59	9.66
Note: One for every thermostat to be retrofitted.		
<i>For >50 To 200, Deduct</i> -18.98		
<i>For >200, Deduct</i> -37.93		
23 09 23 00-0642 EA Single-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP-DB)	373.59	9.66
Note: One for every thermostat to be retrofitted.		
<i>For >50 To 200, Deduct</i> -18.98		
<i>For >200, Deduct</i> -37.93		
23 09 23 00-0643 EA Single-Pipe Indirect Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1RP-DB)	383.15	9.66
Note: One for every thermostat to be retrofitted.		
<i>For >50 To 200, Deduct</i> -19.51		
<i>For >200, Deduct</i> -38.99		
23 09 23 00-0644 EA Wireless Pneumatic Thermostat Blank Cover (Cypress Envirosystems WPT-800-MCOV)	29.16	9.66
Note: Optional cover.		
<i>For >50 To 200, Deduct</i> -1.08		
<i>For >200, Deduct</i> -2.17		
23 09 23 00-0645 EA Green Box Controller (Cypress Envirosystems GBC-800-001)	3,629.27	9.66
Note: One unit for up to 100 thermostats.		
<i>For 2, Deduct</i> -180.30		
<i>For >2, Deduct</i> -360.27		
23 09 23 00-0646 EA WPT USB Hub (Cypress Envirosystems WPT-800-HUSB)	266.97	9.66
Note: One unit for up to 100 thermostats.		
<i>For 2, Deduct</i> -14.31		
<i>For >2, Deduct</i> -28.59		
23 09 23 00-0647 EA WPT Repeater (Cypress Envirosystems WPT-800-RWAL)	472.87	9.66
Note: One unit for up to 15 thermostats.		
<i>For >5 To 10, Deduct</i> -23.60		
<i>For >10, Deduct</i> -47.17		
23 09 23 00-0648 EA 24 Volt, WPT Repeater (Cypress Envirosystems WPT-800-RWAL24V)	590.33	9.66
Note: One unit for up to 15 thermostats.		
<i>For >5 To 10, Deduct</i> -27.45		
<i>For >10, Deduct</i> -54.85		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0649 Melink Intelli-Hood IH3 Controls <small>(23 09 23)</small>		
23 09 23 00-0650 Kitchen Ventilation Controllers <small>(23 09 23 00-0649)</small>		
23 09 23 00-0651 EA Fully Programmable Kitchen Ventilation Controller (Melink Intelli-Hood 2SYS-3001).....	6,535.25	386.55
Note: RS-485 communication protocol supports up to 39 Hood Controllers, 10 graphical user interface devices, 10 auxiliary power supplies, and 10 auxiliary light controllers. Modbus VFD communications interface for support of up to 64 variable frequency drives, programmable I/O points include: 3 digital inputs, 4 digital outputs, 1 analog output, and 1 analog input. BACnet over TCP/IP Interface, Real-Time Clock with battery back-up.		
23 09 23 00-0652 EA Graphical User Interface (Melink Intelli-Hood 2KPD-3001).....	1,143.75	79.73
Note: Full color 2.5" display and programming interface device. RS-485 communication protocol for interface with main controller.		
23 09 23 00-0653 EA Hood Controller (Melink Intelli-Hood 2SEN-3001).....	2,023.66	321.80
Note: 6 point field I/O device, RS-485 communication protocol, supports up to 4 field temperature sensors and 1 optic sensor system.		
23 09 23 00-0654 Kitchen Ventilation Sensors <small>(23 09 23 00-0649)</small>		
23 09 23 00-0655 EA Duct Mount Stainless Steel RTD (Melink Intelli-Hood 2SEN-3005-Q).....	356.14	55.67
Note: Includes UL listed mounting compression fitting, stainless steel probe protection sleeve, RJ-45 communication connector.		
23 09 23 00-0656 EA Optic Sensor System For Detection Of Cooking Effluent (Melink Intelli-Hood 2SEN-3004-28).....	2,942.61	309.24
Note: Includes air purge unit, infrared emitter/receiver with stainless steel housings. Auto-calibration, 0.2 second response time, conformal-coated circuit boards, purge pipe assembly complete with UL listed compression fittings, communication interface cables and blower box assembly.		
23 09 23 00-0657 Control Sensors, Meters, Relays, Power Supplies, Valves, Dampers And Actuators <small>(23 09 23)</small>		
23 09 23 00-0658 Temperature Sensors <small>(23 09 23 00-0657)</small>		
23 09 23 00-0659 EA 10K Ohm Thermistor Duct Temperature Sensor (Kele ST-D24).....	160.01	55.67
23 09 23 00-0660 EA 10K Ohm Thermistor Duct Temperature Sensor, 1/2" LB Conduit Fitting (Kele ST-D24-XCO).....	207.98	55.67
23 09 23 00-0661 EA 10K Ohm Thermistor Duct Temperature Sensor With Greenfield Fitting (Kele ST-D24-XG).....	165.53	55.67
23 09 23 00-0662 EA 10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing (Kele ST-D24-XH).....	171.19	55.67
23 09 23 00-0663 EA 10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 18" Probe (Kele ST-D24-XH-XL18).....	173.07	55.67
23 09 23 00-0664 EA 10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 6" Probe (Kele ST-D24-XH-XL6).....	171.21	55.67
23 09 23 00-0665 EA 10K Ohm Thermistor Duct Temperature Sensor With Non Metallic Handibox Housing (Kele ST-D24-XHP).....	172.21	55.67
23 09 23 00-0666 EA 10K Ohm Thermistor Duct Temperature Sensor With 4" Probe (Kele ST-D24-XL4).....	181.74	55.67
23 09 23 00-0667 EA 10K Ohm Thermistor Duct Temperature Sensor With Weatherproof Housing (Kele ST-D24-XW).....	190.07	55.67
23 09 23 00-0668 EA 10K Ohm Thermistor Outdoor Air Temperature Sensor (Kele ST-O24).....	237.36	77.31
23 09 23 00-0669 EA 10K Ohm Thermistor Outdoor Air Temperature Sensor With 25' Lead (Kele ST-O24-XC25).....	243.77	77.31
23 09 23 00-0670 EA Delta Style Surface Mounted 10K Ohm Thermistor Room Temperature Sensor (Kele BA/10K3-R-N-DF).....	104.41	30.92
23 09 23 00-0671 EA Delta Style Surface Mounted AD592 Room Temperature Sensor (Kele BA/592-10K-R).....	106.77	30.92
23 09 23 00-0672 EA Stainless Steel Plate 1K Ohm Room Temperature Sensor (Kele BA/1K8-SP).....	100.57	30.92
23 09 23 00-0673 Water Temperature Sensors <small>(23 09 23 00-0657)</small>		
23 09 23 00-0674 EA 5" Immersion 20K Ohm Water Temp Sensor (Honeywell C7041D2001).....	125.48	59.82
23 09 23 00-0675 EA Strap-On 20K Ohm Water Temp Sensor (Honeywell C7041K2005).....	297.88	59.82
23 09 23 00-0676 Relative Humidity Sensors <small>(23 09 23 00-0657)</small>		
23 09 23 00-0677 EA 3% Duct Mounted RH Sensor (Kele HD30K).....	365.72	55.67
23 09 23 00-0678 EA 10K Ohm Thermistor 3% Duct Mounted RH Sensor (Kele HD30K-T3).....	374.65	55.67
23 09 23 00-0679 EA 3% RH Outdoor Air Sensor (Kele HO30K).....	434.07	77.31
23 09 23 00-0680 EA 2% Surface Mounted RH Transmitter (Kele HW20K).....	317.51	30.92
23 09 23 00-0681 Pressure Sensors <small>(23 09 23 00-0657)</small>		
23 09 23 00-0682 EA Differential Pressure Transmitters With NEMA 1 Case, 0 To .5" W.C. (Kele T30-005).....	481.56	65.29
23 09 23 00-0683 EA Differential Pressure Transmitters With NEMA 1 Case, 0 To 5" W.C. (Kele T30-050).....	433.59	65.29
23 09 23 00-0684 EA Adjustable Differential Pressure Switches, .05 To 12" W.C. (Kele AFS-222).....	201.48	65.29
23 09 23 00-0685 EA Adjustable Differential Pressure Switches, .05 To 2" W.C. (Kele AFS-262).....	207.05	65.29
23 09 23 00-0686 EA Manual Reset Adjustable Differential Pressure Switches, .4 To 2" W.C. (Kele AFS-460).....	217.96	65.29
23 09 23 00-0687 EA Adjustable Differential Pressure Switches, .05 To 12" W.C., 1/8" NPT (Kele AFS-145).....	205.43	65.29
23 09 23 00-0688 EA Water Differential Pressure Transmitter, 0 To 100psid, Bypass Valve Assembly Option (Kele 360C-P210D-BVA).....	1,649.17	65.29
Note: Excludes pipe fittings.		
23 09 23 00-0689 EA Water Differential Pressure Transmitter, 0 To 60psid, Bypass Valve Assembly Option (Kele 360C-P160D-BVA).....	1,649.17	65.29
Note: Excludes pipe fittings.		
23 09 23 00-0690 EA Magnahelic Gauge.....	495.22	39.91
23 09 23 00-0691 Water Flow Meters <small>(23 09 23 00-0657)</small>		
23 09 23 00-0692 EA Insertion Electromagnetic Water Flow Meter (Onicon F-3500).....	2,992.99	84.44
Note: Excludes pipe fittings.		
23 09 23 00-0693 Air Flow Monitoring Stations <small>(23 09 23 00-0657)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0694 EA Analog Transmitter, 2 Point, 3 Sensor Air Flow Monitoring Station (Ebtron GTA116) Note: 10' cable, 36" x 24" typical duct size.	2,383.20	99.10
23 09 23 00-0695 EA Analog Transmitter, 3 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116) Note: 10' cable, 48" x 36" typical duct size.	3,387.09	99.10
23 09 23 00-0696 EA Analog Transmitter, 4 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116) Note: 10' cable, 60" x 48" typical duct size.	4,195.93	99.10
23 09 23 00-0697 Gas Sensors (23 09 23 00-0657)		
23 09 23 00-0698 EA 6-1/4" x 6-1/8" CO2 Sensor, 0-2,000 ppm (Kele WCO-1B).....	1,249.27	46.38
23 09 23 00-0699 EA Wall Mounted CO2 Sensor, 0-2,000 ppm With LCD Display (Kele CD-AW-LCD)	559.27	30.92
23 09 23 00-0700 EA CO Monitor/Transmitter, 0 To 250 ppm (Kele GMT-CO-S2)..... Note: Solid state sensor.	999.43	46.38
23 09 23 00-0701 EA CO2 Transmitter, Duct Mount, No Display, 0-10 Volt DC Out, 24 Volt AC/Volt DC, 0-10 Or 4-20mA, 0-2,000 ppm Range With CD-AD Duct Probe Assembly (CDE CD-AD-LCD; CD-AD)	563.70	55.67
23 09 23 00-0702 Room Pressure Monitoring (23 09 23 00-0657)		
23 09 23 00-0703 EA Hospital Room Pressure Monitor With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8640-PM)	1,968.39	51.61
23 09 23 00-0704 EA Hospital Room Pressure Controller With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8630-PC)..... Note: Excludes dampers and actuators.	3,134.74	51.61
23 09 23 00-0705 EA Hospital Room Pressure Status Remote Visual Display (TSI 8694-4).....	260.47	30.96
23 09 23 00-0706 EA Hospital Room Pressure Status Remote Negative/Neutral Key Switch (TSI 8694-7)	297.69	30.96
23 09 23 00-0707 Current Switches And Current Sensors (23 09 23 00-0657)		
23 09 23 00-0708 EA Current Sensor, 0-20 Amp, 0-5 Volt DC (Senva C-1203)	105.28	30.92
23 09 23 00-0709 EA Current Sensor, 0-20 Amp, 4-20mA (Senva C-1205)	108.51	30.92
23 09 23 00-0710 EA VFD Current Switch, 0.5-135 Amp Range, Split Core (Senva C-2350VFD-L)	155.84	30.92
23 09 23 00-0711 EA Current Switch, 0.15-100 Amp Range, Split Core With NC Command Relay (Senva C-2300 And CR4-24).....	100.98	30.92
23 09 23 00-0712 EA DC Current Sensor, Split Core, 0-50/100/200 Amp (Selectable), 4-20mA, 0-5 Volt DC (Veris H970HCA).....	265.57	30.92
23 09 23 00-0713 EA DC Current Sensor, Split Core, 0-20/40/80 Amp (Selectable), 0-20mA, 0-5 Volt DC (Veris H970LCC).....	177.17	30.92
23 09 23 00-0714 EA Current Switch, 1-135 Amp, N.O. Contact 1A @ 110 Volt (Veris H709).....	140.34	30.92
23 09 23 00-0715 EA Current Switch, 0-10/20/40 Amp, 4-20mA Analog Output, Solid Core, Loop Powered (Veris H721).....	140.34	30.92
23 09 23 00-0716 EA Energy Meter H8163 Series, With BACnet Output (Veris H8186-CB-BAC).....	3,291.34	154.63
23 09 23 00-0717 EA Power Transducer, Modbus RTU, 100 Amp (Veris H8035-0100-2)..... Note: 3 phase networked transducer.	831.12	30.92
23 09 23 00-0718 EA Energy Meter, Three Current Switches, Pulse Output, Phase Loss Alarm Output, 2,400 Amp (Veris H8163-2400- 4-3).....	1,252.08	30.92
23 09 23 00-0719 EA Current Transducer, 0-20 Amp, 0-5 Volt DC (Kele 4CTV)	149.00	30.92
23 09 23 00-0720 EA Solid Core Fixed Setpoint Digital Output Current Switch (Veris H-800)	248.03	82.14
23 09 23 00-0721 EA Split Core Fixed Setpoint Digital Output Current Switch (Veris H-900).....	248.29	82.14
23 09 23 00-0722 EA Solid Core Adjustable Setpoint Digital Output Current Sensor (Veris H-708)	261.20	82.14
23 09 23 00-0723 EA Split Core Adjustable Setpoint Digital Output Current Sensor (Veris H-908).....	264.42	82.14
23 09 23 00-0724 EA Solid And Split Core Adjustable Setpoint Digital Output VFD Current Switch (Veris H-904)	282.71	82.14
23 09 23 00-0725 EA Toggle Switch	104.82	38.66
23 09 23 00-0726 EA Maintained Pushbutton Switch.....	110.08	38.66
23 09 23 00-0727 EA Manual Time Switch	159.75	38.66
23 09 23 00-0728 EA Emergency Stop Switch	248.55	38.66
23 09 23 00-0729 EA Float Switch	268.07	38.66
23 09 23 00-0730 EA Break Glass Switch.....	780.77	38.66
23 09 23 00-0731 EA Boiler E-Stop Switch	538.46	38.66
23 09 23 00-0732 Relays (23 09 23 00-0657)		
23 09 23 00-0733 EA DPDT, 24 Volt AC, Blade, Standard Relay (Kele RH2B-UAC24V).....	90.76	30.92
23 09 23 00-0734 EA SPDT, 24 Volt AC/Volt DC, 120 Volt AC Multi-Voltage Relay Module (Kele PAM-1).....	97.37	30.92
23 09 23 00-0735 EA SPDT, 24 Volt AC/Volt DC, 120 Volt AC Power Relay (Kele RIB2401B)..... Note: Box type.	134.14	38.66
23 09 23 00-0736 EA Motor Starter Interface, 300msec Pulse (Kele PIL-2)	156.73	30.92
23 09 23 00-0737 EA DP Relay Socket, DIN Rail Mounted (Kele SH2B-05)	85.96	30.92
23 09 23 00-0738 EA SP Relay Socket, DIN Rail Mounted (Kele SH1B-05).....	84.99	30.92
23 09 23 00-0739 EA SPDT, 24 Volt AC, Blade, Standard Relay (Kele RH1B-UAC24V).....	90.76	30.92
23 09 23 00-0740 EA DPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH2B-ULAC24V)	93.78	30.92
23 09 23 00-0741 EA SPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH1B-ULAC24V)	94.61	30.92
23 09 23 00-0742 EA SPDT Pilot Relay, Universal (Kele RIBU1C)..... Note: Box type.	106.27	38.66
23 09 23 00-0743 EA SPST Pilot Relay With HOA Switch (Kele RIBU1S)	133.27	38.66
23 09 23 00-0744 EA SPDT 3 Phase Line Voltage Monitor, .1-5 Minute Delay On Break Timer (ICM400)	216.55	38.66
23 09 23 00-0745 EA SPDT 3-Phase Line Voltage Monitor, 0-10 Minute Delay On Break Timer (ICM450).....	215.35	38.66
23 09 23 00-0746 Surge Protectors (23 09 23 00-0657)		
23 09 23 00-0747 EA Surge Protector, T100's, Summit, BCU, UPCM, PCM, TCM (Transtector TR2255).....	201.43	7.74
23 09 23 00-0748 EA Surge Protector, 1AC Outlet (Transtector TR2251).....	153.38	7.74
23 09 23 00-0749 EA Surge Protector, 2 AC Outlets (Transtector TR2254).....	236.06	7.74
23 09 23 00-0750 EA Surge Protector, DB-15 Connection (Transtector TR2259-DLP15).....	129.92	7.74
23 09 23 00-0751 EA Surge Protector, DB-25 Connection (Transtector TR2259-DLP25).....	129.92	7.74

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0752 EA Surge Protector, DB-9 Connection (Transtector TR2259-DLP9)	129.92	7.74
23 09 23 00-0753 EA Surge Protector, Individual Wire Connection (Transtector TR2258)	185.80	7.74
23 09 23 00-0754 EA Surge Protector, Trane Communication Links (Transtector TR2257)	116.51	7.74
23 09 23 00-0755 Transformers <small>(23 09 23 00-0657)</small>		
23 09 23 00-0756 EA 50 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X050CBA)	104.57	30.92
23 09 23 00-0757 EA 75 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X075CAB)	112.08	30.92
23 09 23 00-0758 EA 75 VA, 120/208/240/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X075CBA)	112.08	30.92
23 09 23 00-0759 EA 100 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X100CAB)	118.88	30.92
23 09 23 00-0760 EA 100 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X100CBA)	123.06	30.92
23 09 23 00-0761 Power Supplies <small>(23 09 23 00-0657)</small>		
23 09 23 00-0762 EA Solid Core Current Operated Switch, Terminals, Adjustable Trip, 0.5-150A, SPST (Kele RIBXKTA)	146.82	30.92
23 09 23 00-0763 EA AC/DC Power Supply, 1.2 Amp @ 24 Volt Output (Kele DCPA-1.2)	167.66	30.92
23 09 23 00-0764 EA DC Power Supply, 5 Volt DC And 24 Volt DC Output (Kele DCP-524)	158.26	30.92
23 09 23 00-0765 EA DC Power Supply, 24 Volt DC, DIN Rail Mounted (Kele DCP-250-D)	162.71	30.92
23 09 23 00-0766 EA DC Power Supply, 24 Volt DC, Hub Mounted (Kele DCP-250-H)	158.75	30.92
23 09 23 00-0767 EA DC Power Supply, 24 Volt DC, Panel Mounted (Kele DCP-250-P)	165.37	30.92
23 09 23 00-0768 EA DC Power Supply, 24 Volt AC In To Custom DC Out, At 1.5 Amp (Kele DCP-1.5-W-C)	128.91	30.92
23 09 23 00-0769 Control Damper Actuators <small>(23 09 23 00-0657)</small>		
23 09 23 00-0770 EA 44 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non Spring Return Direct Coupled Control Damper Actuator (Belimo LMB24-SR)	433.58	85.28
23 09 23 00-0771 EA 90 IN-LB, 24 Volt AC/DC, 4-20mA, 2-10 Volt DC, Proportional Control, Non Spring Return Direct Coupled Control Damper Actuator (Belimo NMB24-SR)	468.25	85.28
23 09 23 00-0772 EA 90 IN-LB, 2 Position, 24 To 240 Volt AC Spring Return Direct Coupled Control Damper Actuator (Belimo NFBUP)	525.05	85.28
23 09 23 00-0773 EA 175 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo AMB24-SR)	552.20	85.28
23 09 23 00-0774 EA 90 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Spring Return Direct Coupled Control Damper Actuator (Belimo NFB24-SR)	568.30	85.28
23 09 23 00-0775 EA 360 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo GMB24-SR)	631.63	85.28
23 09 23 00-0776 Valves With Actuator <small>(23 09 23 00-0657)</small>		
23 09 23 00-0777 EA 1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G215+NV24-MFT US)	460.40	11.94
23 09 23 00-0778 EA 3/4" 2-Way Bronze Globe Valve With Actuator (Belimo G220+NV24-MFT US)	477.84	16.10
23 09 23 00-0779 EA 1" 2-Way Bronze Globe Valve With Actuator (Belimo B225+NV24-MFT US)	523.85	19.49
23 09 23 00-0780 EA 1-1/4" 2-Way Bronze Globe Valve With Actuator (Belimo B232+NV24-MFT US)	573.19	24.69
23 09 23 00-0781 EA 1-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G240+NV24-MFT US)	653.09	28.50
23 09 23 00-0782 EA 2" 2-Way Bronze Globe Valve With Actuator (Belimo G250+NV24-MFT US)	738.78	33.67
23 09 23 00-0783 EA 2-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G665+GMX24-MFTX1)	1,383.69	67.35
23 09 23 00-0784 EA 3" 2-Way Bronze Globe Valve With Actuator (Belimo G680+GMX24-MFTX1)	1,502.69	78.81
23 09 23 00-0785 EA 4" 2-Way Bronze Globe Valve With Actuator (Belimo G6100C+GMX24-MFTX1)	2,032.59	115.76
23 09 23 00-0786 EA 5" 2-Way Bronze Globe Valve With Actuator (Belimo G6125C+GMX24-MFTX1)	2,988.45	167.29
23 09 23 00-0787 EA 6" 2-Way Bronze Globe Valve With Actuator (Belimo G6150C+GMX24-MFTX1)	3,310.12	185.21
23 09 23 00-0788 EA 1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G315+NV24-MFT US)	497.62	17.92
23 09 23 00-0789 EA 3/4" 3-Way Bronze Globe Valve With Actuator (Belimo G320+NV24-MFT US)	515.56	24.16
23 09 23 00-0790 EA 1" 3-Way Bronze Globe Valve With Actuator (Belimo G325+NV24-MFT US)	559.95	29.24
23 09 23 00-0791 EA 1-1/4" 3-Way Bronze Globe Valve With Actuator (Belimo G332+NV24-MFT US)	622.85	37.04
23 09 23 00-0792 EA 1-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G340+NV24-MFT US)	797.80	42.74
23 09 23 00-0793 EA 2" 3-Way Bronze Globe Valve With Actuator (Belimo G350+NV24-MFT US)	886.44	50.52
23 09 23 00-0794 EA 2-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G765+GMX24-MFTX1)	1,571.11	101.02
23 09 23 00-0795 EA 3" 3-Way Bronze Globe Valve With Actuator (Belimo G780+GMX24-MFTX1)	1,730.23	118.22
23 09 23 00-0796 EA 4" 3-Way Bronze Globe Valve With Actuator (Belimo G7100+2"GMX24-MFTX1)	2,518.62	173.64
23 09 23 00-0797 EA 5" 3-Way Bronze Globe Valve With Actuator (Belimo G7125+2"GMX24-MFTX1)	3,652.74	250.93
23 09 23 00-0798 EA 6" 3-Way Bronze Globe Valve With Actuator (Belimo G7150+2"GMX24-MFTX1)	4,060.16	277.82
23 09 23 00-0799 EA 1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE215N-35+ZONE24NC)	105.40	11.94
23 09 23 00-0800 EA 3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE220N-50+ZONE24NC)	124.26	16.10
23 09 23 00-0801 EA 1" Two Way Brass Zone Valve With Actuator (Belimo ZONE225N-80+ZONE24NC)	156.58	19.49
23 09 23 00-0802 EA 1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE315N-35+ZONE24NC)	128.81	17.92
23 09 23 00-0803 EA 3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE320N-50+ZONE24NC)	150.46	24.16
23 09 23 00-0804 EA 1" Two Way Brass Zone Valve With Actuator (Belimo ZONE325N-80+ZONE24NC)	188.21	29.24
23 09 23 00-0805 EA 1/2" 2-Way Brass Ball Valve With Actuator (Belimo B215B+LRB24-3)	175.65	11.94
23 09 23 00-0806 EA 3/4" 2-Way Brass Ball Valve With Actuator (Belimo B220B+LRB24-3)	208.16	16.10
23 09 23 00-0807 EA 1" 2-Way Brass Ball Valve With Actuator (Belimo B225+LRB24-3)	236.76	19.49
23 09 23 00-0808 EA 1-1/4" 2-Way Brass Ball Valve With Actuator (Belimo B232+ARB24-3)	308.04	24.69
23 09 23 00-0809 EA 1-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B240+ARB24-3)	318.54	28.50
23 09 23 00-0810 EA 2" 2-Way Brass Ball Valve With Actuator (Belimo B250+ARB24-3)	405.90	33.67
23 09 23 00-0811 EA 2-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B265+ARB24-3)	872.11	67.35
23 09 23 00-0812 EA 3" 2-Way Brass Ball Valve With Actuator (Belimo B280+ARB24-3)	1,023.94	78.81
23 09 23 00-0813 EA 1/2" 3-Way Brass Ball Valve With Actuator (Belimo B315B+LRB24-3)	212.71	17.92
23 09 23 00-0814 EA 3/4" 3-Way Brass Ball Valve With Actuator (Belimo B320B+LRB24-3)	245.88	24.16
23 09 23 00-0815 EA 1" 3-Way Brass Ball Valve With Actuator (Belimo B325+LRB24-3)	317.41	29.24
23 09 23 00-0816 EA 1-1/4" 3-Way Brass Ball Valve With Actuator (Belimo B331+ARB24-3)	450.51	37.04
23 09 23 00-0817 EA 1-1/2" 3-Way Brass Ball Valve With Actuator (Belimo B341+ARB24-3)	474.80	42.74
23 09 23 00-0818 EA 2" 3-Way Brass Ball Valve With Actuator (Belimo B352+ARB24-3)	629.45	50.52
23 09 23 00-0819 EA 2" 2-Way Butterfly Valve With Actuator (Belimo F650HD+AMB24-3X1)	513.26	61.74



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0820	EA			2-1/2" 2-Way Butterfly Valve With Actuator (Belimo F665HD+AMB24-3X1).....	538.85	67.35
23 09 23 00-0821	EA			3" 2-Way Butterfly Valve With Actuator (Belimo F680HD+GMB24-3X1).....	708.77	78.81
23 09 23 00-0822	EA			4" 2-Way Butterfly Valve With Actuator (Belimo F6100HD+2"GMB24-3X1).....	1,081.73	132.30
23 09 23 00-0823	EA			5" 2-Way Butterfly Valve With Actuator (Belimo F6125HD+SY2-24).....	2,181.60	167.29
23 09 23 00-0824	EA			6" 2-Way Butterfly Valve With Actuator (Belimo F6150HD+SY3-24).....	2,301.30	185.21
23 09 23 00-0825	EA			8" 2-Way Butterfly Valve With Actuator (Belimo F6200HD+SY4-24).....	3,132.01	211.68
23 09 23 00-0826	EA			10" 2-Way Butterfly Valve With Actuator (Belimo F6250HD+SY4-24).....	3,842.72	259.31
23 09 23 00-0827	EA			12" 2-Way Butterfly Valve With Actuator (Belimo F6300HS+SY4-24).....	4,749.32	314.31
23 09 23 00-0828	EA			14" 2-Way Butterfly Valve With Actuator (Belimo F6350HD+SY5-24).....	5,276.68	370.43
23 09 23 00-0829	EA			16" 2-Way Butterfly Valve With Actuator (Belimo F6400HD+SY6-110).....	6,981.84	407.48
23 09 23 00-0830	EA			18" 2-Way Butterfly Valve With Actuator (Belimo F6450HD+SY8-110).....	8,463.58	452.67
23 09 23 00-0831	EA			2" 3-Way Butterfly Valve With Actuator (Belimo F750HD+AMB24-3X1).....	949.34	92.61
23 09 23 00-0832	EA			2-1/2" 3-Way Butterfly Valve With Actuator (Belimo F765HD+GMB24-3X1).....	1,118.66	101.02
23 09 23 00-0833	EA			3" 3-Way Butterfly Valve With Actuator (Belimo F780HD+2"GMB24-3X1).....	1,381.31	118.22
23 09 23 00-0834	EA			4" 3-Way Butterfly Valve With Actuator (Belimo F7100HD+2"GMB24-3X1).....	1,769.88	198.44
23 09 23 00-0835	EA			5" 3-Way Butterfly Valve With Actuator (Belimo F7125HD+SY3-24).....	3,632.30	250.93
23 09 23 00-0836	EA			6" 3-Way Butterfly Valve With Actuator (Belimo F7150HD+SY3-24).....	3,759.84	277.82
23 09 23 00-0837	EA			8" 3-Way Butterfly Valve With Actuator (Belimo F7200HD+SY4-24).....	4,741.30	317.54
23 09 23 00-0838	EA			10" 3-Way Butterfly Valve With Actuator (Belimo F7250HD+SY4-24).....	6,277.55	388.95
23 09 23 00-0839	EA			12" 3-Way Butterfly Valve With Actuator (Belimo F7300HD+SY5-24).....	7,630.39	471.46
23 09 23 00-0840	EA			14" 3-Way Butterfly Valve With Actuator (Belimo F7350HD+SY6-110).....	11,916.50	555.65
23 09 23 00-0841	EA			16" 3-Way Butterfly Valve With Actuator (Belimo F7400HD+SY7-110).....	13,287.93	611.21
23 09 23 00-0842	EA			18" 3-Way Butterfly Valve With Actuator (Belimo F7450HD+SY8-110).....	20,464.62	679.01
23 09 23 00-0843	Valve Actuators <small>(23 09 23 00-0657)</small>					
23 09 23 00-0844	EA			24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-T).....	359.61	76.51
23 09 23 00-0845	EA			24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 95 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3).....	365.12	76.51
23 09 23 00-0846	EA			24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR-T).....	397.67	76.51
23 09 23 00-0847	EA			24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-S).....	410.87	76.51
23 09 23 00-0848	EA			24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR).....	418.91	76.51
23 09 23 00-0849	EA			24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT).....	471.70	76.51
23 09 23 00-0850	EA			24 Volt AC/DC Power Supply, On/Off Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-1).....	485.57	76.51
23 09 23 00-0851	EA			24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT95).....	494.54	76.51
23 09 23 00-0852	EA			24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-MFT).....	516.16	76.51
23 09 23 00-0853	EA			120 Volt AC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-3).....	388.51	76.51
23 09 23 00-0854	EA			120 Volt AC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-SR).....	433.87	76.51
23 09 23 00-0855	EA			24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-T).....	445.54	76.51
23 09 23 00-0856	EA			24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3).....	453.60	76.51
23 09 23 00-0857	EA			24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARB24-3-5-14).....	456.61	76.51
23 09 23 00-0858	EA			24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-S).....	511.40	76.51
23 09 23 00-0859	EA			24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T).....	535.03	76.51
23 09 23 00-0860	EA			24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR).....	547.58	76.51
23 09 23 00-0861	EA			24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, Variable Run Time (90 To 350 Seconds), 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT).....	545.09	76.51
23 09 23 00-0862	EA			24 Volt AC/DC Power Supply, Phasecut Control Input, 95 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-PC).....	553.12	76.51
23 09 23 00-0863	EA			24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT95).....	552.62	76.51
23 09 23 00-0864	EA			24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, NEMA 4X, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T N4).....	604.75	76.51
23 09 23 00-0865	EA			24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, NEMA 4X, Variable Run Time (75 To 350 Seconds), 160 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT-T N4).....	736.60	76.51
23 09 23 00-0866	EA			100-240 Volt AC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-3).....	484.25	76.51
23 09 23 00-0867	EA			100-240 Volt AC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-SR).....	580.78	76.51
23 09 23 00-0868	EA			24 Volt AC/DC Power Supply, On/Off Control Input, 15 Seconds Run Time, 801 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY2-24).....	1,337.79	76.51
23 09 23 00-0869	EA			24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 1,335 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY3-24).....	1,502.66	76.51
23 09 23 00-0870	EA			24 Volt AC/DC Power Supply, On/Off Control Input, 16 Seconds Run Time, 3,560 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY4-24).....	1,807.77	76.51
23 09 23 00-0871	EA			24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 4,450 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY5-24).....	2,050.56	76.51

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0872 EA 120 Volt AC Power Supply, On/Off Control Input, 28 Seconds Run Time, 5,785 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY6-110).....	2,431.08	76.51
23 09 23 00-0873 EA 120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 8,900 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY7-110).....	2,867.41	76.51
23 09 23 00-0874 EA 120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 13,350 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY8-110).....	3,870.73	76.51
23 09 23 00-0875 EA 120 Volt AC Power Supply, On/Off Control Input, 58 Seconds Run Time, 17,800 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY9-110).....	4,729.78	76.51
23 09 23 00-0876 Rectangular Galvanized Volume Control Dampers (23 09 23 00-0876)		
Note: Excludes actuators.		
23 09 23 00-0877 EA 8" x 8" Low Leakage Volume Control Damper (Johnson Controls VOPSN-008X008).....	138.47	32.00
23 09 23 00-0878 EA 10" x 10" Low Leakage Volume Control Damper (Johnson Controls VOPSN-010X010).....	155.54	35.10
23 09 23 00-0879 EA 12" x 12" Low Leakage Volume Control Damper (Johnson Controls VOPSN-012X012).....	173.62	38.71
23 09 23 00-0880 EA 14" x 14" Low Leakage Volume Control Damper (Johnson Controls VOPSN-014X014).....	201.10	45.42
23 09 23 00-0881 EA 16" x 16" Low Leakage Volume Control Damper (Johnson Controls VOPSN-016X016).....	227.57	51.61
23 09 23 00-0882 EA 18" x 18" Low Leakage Volume Control Damper (Johnson Controls VOPSN-018X018).....	233.43	58.07
23 09 23 00-0883 EA 20" x 20" Low Leakage Volume Control Damper (Johnson Controls VOPSN-020X020).....	282.71	64.51
23 09 23 00-0884 EA 24" x 24" Low Leakage Volume Control Damper (Johnson Controls VOPSN-024X024).....	337.83	77.42
23 09 23 00-0885 EA 32" x 32" Low Leakage Volume Control Damper (Johnson Controls VOPSN-032X032).....	428.75	90.32
23 09 23 00-0886 EA 48" x 48" Low Leakage Volume Control Damper (Johnson Controls VOPSN-048X048).....	619.37	103.23
23 09 23 00-0887 EA 60" x 60" Low Leakage Volume Control Damper (Johnson Controls VOPSN-060X060).....	1,095.05	116.13
23 09 23 00-0888 EA 72" x 72" Low Leakage Volume Control Damper (Johnson Controls VOPSN-072X072).....	1,380.69	129.03
23 09 23 00-0889 Round Galvanized Control Dampers (23 09 23 00-0889)		
Note: Excludes actuators.		
23 09 23 00-0890 EA 6" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG06).....	137.36	36.13
23 09 23 00-0891 EA 8" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG08).....	142.58	38.71
23 09 23 00-0892 EA 10" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG10).....	147.80	38.71
23 09 23 00-0893 EA 12" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG12).....	164.58	43.87
23 09 23 00-0894 EA 14" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG14).....	183.92	43.87
23 09 23 00-0895 EA 16" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG16).....	201.77	51.61
23 09 23 00-0896 EA 18" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG18).....	270.26	54.33
23 09 23 00-0897 EA 20" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG20).....	282.23	56.31
23 09 23 00-0898 EA 22" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG22).....	300.16	60.70
23 09 23 00-0899 EA 24" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG24).....	318.38	65.10
23 09 23 00-0900 Remote Damper Control (23 09 23 00-0900)		
23 09 23 00-0901 EA Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-275B).....	216.51	
For Each 10' Flexible Casing And Wire, Add	22.83	
23 09 23 00-0902 EA Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-301B).....	221.18	
For Each 10' Flexible Casing And Wire, Add	22.83	
23 09 23 00-0903 Peco Thermostats and Sensors (23 09 23 00-0903)		
23 09 23 00-0904 EA 3 Heating Stage, 2 Cooling Stage Programmable Thermostat With Humidification/Dehumidification Control (Peco T12532-IAQ).....	253.51	14.50
23 09 23 00-0905 EA 3 Heating Stage, 2 Cooling Stage Programmable Thermostat (Peco T12532-001).....	229.07	14.50
23 09 23 00-0906 EA Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SA200-001).....	120.24	21.74
23 09 23 00-0907 EA Wall/Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SB200-001).....	118.11	21.74
23 09 23 00-0908 EA Wall/Ceiling Mount Passive Infrared, 24 Volt, Master Motion Sensor (Peco SD200-001).....	153.85	21.74
23 09 23 00-0909 EA Wall/Ceiling Mount, Passive Infrared, 24 Volt, Master Time Sensor (Peco SD200-002).....	138.07	21.74
23 09 23 00-0910 EA Door Switch Occupancy Sensor (Peco SE200-001).....	51.41	21.74
23 09 23 00-0911 EA Window Switch Occupancy Sensor (Peco SE200-002).....	48.47	21.74
23 09 23 00-0912 EA Power Pack And Controller (Peco SF200-001).....	78.69	21.74
23 09 43 Pneumatic Control System For HVAC (23 09 43)		
23 09 43 00-0001 Pneumatic Tubing For HVAC Instrumentation and Control Devices (23 09 43)		
23 09 43 00-0002 Polyurethane Pneumatic Tubing (23 09 43 00-0002)		
23 09 43 00-0003 LF 1/4" Outside Diameter x 1/32" Thick Wall Polyurethane Pneumatic Tubing.....	1.88	0.78
23 09 43 00-0004 LF 5/32" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing.....	2.29	0.81
23 09 43 00-0005 LF 3/8" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing.....	2.84	0.83
23 09 43 00-0006 LF 1/2" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing.....	3.48	0.86
23 09 43 00-0007 Fire Resistant Polyethylene Pneumatic Tubing (23 09 43 00-0007)		
23 09 43 00-0008 LF 1/4" Outside Diameter x .040" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing.....	1.74	0.78
23 09 43 00-0009 LF 5/32" Outside Diameter x .030" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing.....	1.85	0.81
23 09 43 00-0010 LF 3/8" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing.....	2.05	0.83
23 09 43 00-0011 LF 1/2" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing.....	2.45	0.86
23 09 43 00-0012 Nylon Pneumatic Tubing (23 09 43 00-0012)		
23 09 43 00-0013 LF 1/8" Outside Diameter x .016" Thick Wall Nylon Pneumatic Tubing.....	1.95	0.76
23 09 43 00-0014 LF 1/4" Outside Diameter x .035" Thick Wall Nylon Pneumatic Tubing.....	2.45	0.78



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 43 00-0015 LF 3/8" Outside Diameter x .050" Thick Wall Nylon Pneumatic Tubing	3.48	0.83
23 09 43 00-0016 LF 1/2" Outside Diameter x .062" Thick Wall Nylon Pneumatic Tubing	4.33	0.86
23 09 43 00-0017 Flexible Vinyl Pneumatic Tubing (23 09 43 00-0001)		
23 09 43 00-0018 LF 1/4" Outside Diameter Flexible Vinyl Pneumatic Tubing	1.94	0.78
23 09 43 00-0019 LF 3/8" Outside Diameter Flexible Vinyl Pneumatic Tubing	2.85	0.83
23 09 43 00-0020 LF 1/2" Outside Diameter Flexible Vinyl Pneumatic Tubing	3.35	0.86
23 09 43 00-0021 LF 5/8" Outside Diameter Flexible Vinyl Pneumatic Tubing	3.99	0.89
23 09 43 00-0022 LF 3/4" Outside Diameter Flexible Vinyl Pneumatic Tubing	4.45	0.91
23 09 43 00-0023 LF 1" Outside Diameter Flexible Vinyl Pneumatic Tubing	5.90	0.94
23 09 43 00-0024 Braided Vinyl Pneumatic Tubing (23 09 43 00-0001)		
23 09 43 00-0025 LF 5/8" Outside Diameter Braided Vinyl Pneumatic Tubing	2.51	0.89
23 09 43 00-0026 LF 3/4" Outside Diameter Braided Vinyl Pneumatic Tubing	2.84	0.91
23 09 43 00-0027 LF 1" Outside Diameter Braided Vinyl Pneumatic Tubing	3.42	0.94
23 09 43 00-0028 Copper Pneumatic Tubing (23 09 43 00-0001)		
23 09 43 00-0029 LF 1/4" Outside Diameter Copper Pneumatic Tubing	3.98	1.71
23 09 43 00-0030 LF 3/8" Outside Diameter Copper Pneumatic Tubing	4.75	1.96
23 09 43 00-0031 LF 1/2" Outside Diameter Copper Pneumatic Tubing	5.49	2.25
23 09 43 00-0032 LF 5/8" Outside Diameter Copper Pneumatic Tubing	6.63	2.59
23 09 43 00-0033 LF 3/4" Outside Diameter Copper Pneumatic Tubing	7.39	2.89
23 09 43 00-0034 Brass Couplings (23 09 43 00-0001)		
See CSI section 22 11 16 00-0345 for copper tubing.		
23 09 43 00-0035 Straight Brass Couplings (23 09 43 00-0034)		
Note: Barb x Barb		
23 09 43 00-0036 EA 1/4" x 1/4" Straight Brass Coupling	9.12	4.30
23 09 43 00-0037 EA 3/8" x 1/4" Straight Brass Coupling	9.20	4.30
23 09 43 00-0038 EA 3/8" x 3/8" Straight Brass Coupling	9.29	4.30
23 09 43 00-0039 Elbow Brass Couplings (23 09 43 00-0034)		
Note: Barb x Barb		
23 09 43 00-0040 EA 1/4" x 1/4" Elbow Brass Coupling	9.59	4.30
23 09 43 00-0041 EA 3/8" x 3/8" Elbow Brass Coupling	9.87	4.30
23 09 43 00-0042 Tee Brass Couplings (23 09 43 00-0034)		
Note: Barb x Barb		
23 09 43 00-0043 EA 1/4" x 1/4" x 1/4" Tee Brass Coupling	14.69	6.69
23 09 43 00-0044 EA 3/8" x 3/8" x 1/4" Tee Brass Coupling	16.66	7.17
23 09 43 00-0045 EA 3/8" x 3/8" x 3/8" Tee Brass Coupling	16.36	7.17
23 10 Facility Fuel Systems (23)		
23 11 Facility Fuel Piping (23 10)		
23 11 23 Facility Natural-Gas Piping (23 11)		
23 11 23 00-0001 Corrugated Stainless Steel Tubing (CSST), Flexible Gas Piping (23 11 23)		
23 11 23 00-0002 Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0001)		
Note: Includes UV resistant polyethylene jacket. Excludes fittings and pipe hangers.		
23 11 23 00-0003 LF 3/8" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	6.54	1.68
23 11 23 00-0004 LF 1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	7.21	1.81
23 11 23 00-0005 LF 3/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	8.80	1.96
23 11 23 00-0006 LF 1" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	11.44	2.07
23 11 23 00-0007 LF 1-1/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	13.69	2.18
23 11 23 00-0008 LF 1-1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	21.67	2.27
23 11 23 00-0009 LF 2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	29.89	2.41
23 11 23 00-0010 Fittings And Accessories For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0001)		
23 11 23 00-0011 Male Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11 23 00-0012 EA 3/8" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	30.57	
23 11 23 00-0013 EA 3/8" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	30.57	
23 11 23 00-0014 EA 1/2" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	32.82	
23 11 23 00-0015 EA 1/2" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	32.82	
23 11 23 00-0016 EA 3/4" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	40.50	
23 11 23 00-0017 EA 1" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	58.27	
23 11 23 00-0018 EA 1" x 1", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	58.27	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0019	EA	1-1/4" x 1-1/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	104.35	
23 11 23 00-0020	EA	1-1/2" x 1-1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	197.86	
23 11 23 00-0021	EA	2" x 2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	325.69	
23 11 23 00-0022		Female Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
23 11 23 00-0023	EA	3/8" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	29.38	
23 11 23 00-0024	EA	1/2" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	32.82	
23 11 23 00-0025	EA	1/2" x 3/8", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	32.82	
23 11 23 00-0026	EA	3/4" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	40.50	
23 11 23 00-0027	EA	3/4" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	40.50	
23 11 23 00-0028	EA	1" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	55.34	
23 11 23 00-0029	EA	1" x 1", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	55.34	
23 11 23 00-0030		Reducing Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
23 11 23 00-0031	EA	3/4" x 1/2", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	41.21	
23 11 23 00-0032	EA	1" x 3/4", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	56.41	
23 11 23 00-0033		Couplings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
23 11 23 00-0034	EA	3/8" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	43.50	
23 11 23 00-0035	EA	1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	48.58	
23 11 23 00-0036	EA	3/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	62.42	
23 11 23 00-0037	EA	1" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	92.45	
23 11 23 00-0038	EA	1-1/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	179.94	
23 11 23 00-0039	EA	1-1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	359.19	
23 11 23 00-0040	EA	2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	602.14	
23 11 23 00-0041		Tees For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
23 11 23 00-0042	EA	1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	59.56	
23 11 23 00-0043	EA	3/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	101.71	
23 11 23 00-0044	EA	1" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	166.98	
23 11 23 00-0045	EA	1-1/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	294.98	
23 11 23 00-0046	EA	1-1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	317.59	
23 11 23 00-0047	EA	2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	365.99	
23 11 23 00-0048		Indoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
23 11 23 00-0049	EA	3/8" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	38.33	
23 11 23 00-0050	EA	1/2" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	39.41	
23 11 23 00-0051	EA	3/4" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	43.06	
23 11 23 00-0052	EA	1" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	60.20	
23 11 23 00-0053	EA	1" x 1", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	61.20	
23 11 23 00-0054		Outdoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
23 11 23 00-0055	EA	3/8" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	42.97	
23 11 23 00-0056	EA	1/2" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	43.86	
23 11 23 00-0057	EA	3/4" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	52.48	
23 11 23 00-0058	EA	1" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	62.84	
23 11 23 00-0059	EA	1" x 1", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	62.84	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0060			Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
23 11 23 00-0061	EA		3/8" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	59.45	
23 11 23 00-0062	EA		1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	60.96	
23 11 23 00-0063	EA		3/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	64.43	
23 11 23 00-0064	EA		1" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	113.83	
23 11 23 00-0065	EA		1-1/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	118.49	
23 11 23 00-0066	EA		1-1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	179.80	
23 11 23 00-0067	EA		2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	228.40	
23 11 23 00-0068			Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
23 11 23 00-0069	EA		3/8" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	63.94	
23 11 23 00-0070	EA		1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	65.37	
23 11 23 00-0071	EA		3/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	73.68	
23 11 23 00-0072	EA		1" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	149.21	
23 11 23 00-0073	EA		1-1/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	154.17	
23 11 23 00-0074	EA		1-1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	219.57	
23 11 23 00-0075	EA		2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	282.29	
23 11 23 00-0076			Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
23 11 23 00-0077	EA		1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	39.59	
23 11 23 00-0078	EA		3/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	42.95	
23 11 23 00-0079	EA		1" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	69.51	
23 11 23 00-0080	EA		1-1/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	111.66	
23 11 23 00-0081	EA		1-1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	225.86	
23 11 23 00-0082	EA		2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	365.31	
23 11 23 00-0083			Stub-Outs For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
			Note: Includes mounting plate.		
23 11 23 00-0084	EA		1/2" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	33.94	
23 11 23 00-0085	EA		3/4" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	37.20	
23 11 23 00-0086	EA		1/2" Fireplace Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	33.98	
23 11 23 00-0087	EA		1/2" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.12	
23 11 23 00-0088	EA		3/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	35.41	
23 11 23 00-0089	EA		1" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	43.16	
23 11 23 00-0090	EA		1-1/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	53.21	
23 11 23 00-0091			Flush Mount Gas Valve Kits For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
			Note: Includes flush fitting plastic valve box and 90 degree brass shut-off valve.		
23 11 23 00-0092	EA		1/2" x 1/2", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	98.38	17.59
23 11 23 00-0093	EA		3/4" x 3/4", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	112.71	18.47
23 11 23 00-0094			Shut-Off Valves For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
23 11 23 00-0095	EA		3/8" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	67.48	15.39
23 11 23 00-0096	EA		1/2" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	78.03	18.29
23 11 23 00-0097	EA		3/4" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	96.31	21.99
23 11 23 00-0098	EA		1" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	118.47	29.38
23 11 23 00-0099			Manifolds For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
			Note: Includes mounting hardware.		
23 11 23 00-0100	EA		1/2" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	83.51	18.29
23 11 23 00-0101	EA		3/4" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	93.45	21.99
23 11 23 00-0102	EA		1/2" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	90.91	18.29
23 11 23 00-0103	EA		3/4" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	98.24	21.99
23 11 23 00-0104	EA		2" x 1-1/2" Inlet, Four 1" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	172.73	54.98

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0105			Pressure Regulators For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
23 11 23 00-0106	EA		1/2" Port, 250 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	89.50	18.29
23 11 23 00-0107	EA		1/2" Port, 355 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	89.50	18.29
23 11 23 00-0108	EA		1/2" Port, 425 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	133.78	18.29
23 11 23 00-0109	EA		3/4" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	141.11	21.99
23 11 23 00-0110	EA		3/4" Port, 810 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	141.11	21.99
23 11 23 00-0111	EA		1" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	155.77	29.38
23 11 23 00-0112	EA		1-1/4" Port, 1,000 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	245.15	32.98
23 11 23 00-0113	EA		1/2" Port, 200 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	125.94	18.29
23 11 23 00-0114	EA		3/4" Port, 425 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	341.66	21.99
23 11 23 00-0115	EA		1-1/4" Port, 900 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	853.82	32.98
23 11 23 00-0116			Polymer Coated Stainless Steel, Flexible Gas Appliance Connectors (Brass Craft) <small>(23 11 23)</small>		
23 11 23 00-0117			3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0118	EA		12" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-12).....	41.92	13.19
23 11 23 00-0119	EA		18" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-18).....	46.54	14.08
23 11 23 00-0120	EA		24" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-24).....	50.94	14.08
23 11 23 00-0121	EA		30" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-30).....	53.62	14.95
23 11 23 00-0122	EA		36" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-36).....	57.10	14.95
23 11 23 00-0123	EA		48" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-48).....	65.29	15.84
23 11 23 00-0124	EA		60" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-60).....	72.68	15.84
23 11 23 00-0125	EA		72" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-72).....	79.99	16.71
23 11 23 00-0126			3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0127	EA		12" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-12).....	41.92	13.19
23 11 23 00-0128	EA		18" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-18).....	46.54	14.08
23 11 23 00-0129	EA		24" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-24).....	50.94	14.08
23 11 23 00-0130	EA		30" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-30).....	53.62	14.95
23 11 23 00-0131	EA		36" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-36).....	57.10	14.95
23 11 23 00-0132	EA		48" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-48).....	65.29	15.84
23 11 23 00-0133	EA		60" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-60).....	72.68	15.84
23 11 23 00-0134	EA		72" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-72).....	79.99	16.71
23 11 23 00-0135			3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0136	EA		12" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-12).....	41.92	13.19
23 11 23 00-0137	EA		18" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-18).....	46.54	14.08
23 11 23 00-0138	EA		24" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-24).....	50.94	14.08
23 11 23 00-0139	EA		30" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-30).....	53.62	14.95
23 11 23 00-0140	EA		36" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-36).....	57.10	14.95
23 11 23 00-0141	EA		48" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-48).....	65.29	15.84
23 11 23 00-0142	EA		60" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-60).....	72.68	15.84
23 11 23 00-0143	EA		72" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-72).....	79.99	16.71



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0144		3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0145	EA	12" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-12).....	41.92	13.19
23 11 23 00-0146	EA	18" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-18).....	46.54	14.08
23 11 23 00-0147	EA	24" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-24).....	62.74	14.08
23 11 23 00-0148	EA	30" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-30).....	53.62	14.95
23 11 23 00-0149	EA	36" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-36).....	57.10	14.95
23 11 23 00-0150	EA	48" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-48).....	65.29	15.84
23 11 23 00-0151	EA	60" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-60).....	72.68	15.84
23 11 23 00-0152	EA	72" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-72).....	79.99	16.71
23 11 23 00-0153		3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0154	EA	12" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-12).....	46.48	13.19
23 11 23 00-0155	EA	18" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-18).....	52.19	14.08
23 11 23 00-0156	EA	24" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-24).....	50.94	14.08
23 11 23 00-0157	EA	30" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-30).....	60.83	14.95
23 11 23 00-0158	EA	36" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-36).....	57.10	14.95
23 11 23 00-0159	EA	48" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-48).....	65.29	15.84
23 11 23 00-0160	EA	60" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-60).....	72.68	15.84
23 11 23 00-0161	EA	72" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-72).....	79.99	16.71
23 11 23 00-0162		3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0163	EA	12" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-12).....	41.92	13.19
23 11 23 00-0164	EA	24" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-24).....	57.62	14.08
23 11 23 00-0165	EA	30" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-30).....	53.62	14.95
23 11 23 00-0166	EA	36" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-36).....	57.10	14.95
23 11 23 00-0167	EA	48" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-48).....	65.29	15.84
23 11 23 00-0168	EA	60" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-60).....	84.71	15.84
23 11 23 00-0169	EA	72" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-72).....	79.99	16.71
23 11 23 00-0170		3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0171	EA	12" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-12).....	41.92	13.19
23 11 23 00-0172	EA	18" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-18).....	46.54	14.08
23 11 23 00-0173	EA	24" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-24).....	50.94	14.08
23 11 23 00-0174	EA	30" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-30).....	53.62	14.95
23 11 23 00-0175	EA	36" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-36).....	57.10	14.95
23 11 23 00-0176	EA	48" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-48).....	65.29	15.84
23 11 23 00-0177	EA	60" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-60).....	72.68	15.84
23 11 23 00-0178	EA	72" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-72).....	79.99	16.71
23 11 23 00-0179		3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0180 EA 12" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-12).....	41.92	13.19
23 11 23 00-0181 EA 18" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-18).....	46.54	14.08
23 11 23 00-0182 EA 24" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-24).....	50.94	14.08
23 11 23 00-0183 EA 30" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-30).....	53.62	14.95
23 11 23 00-0184 EA 36" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-36).....	57.10	14.95
23 11 23 00-0185 EA 48" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-48).....	65.29	15.84
23 11 23 00-0186 EA 60" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-60).....	72.68	15.84
23 11 23 00-0187 EA 72" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-72).....	79.99	16.71
23 11 23 00-0188 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0189 EA 18" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-18).....	52.19	14.08
23 11 23 00-0190 EA 24" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-24).....	50.94	14.08
23 11 23 00-0191 EA 30" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-30).....	60.83	14.95
23 11 23 00-0192 EA 36" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-36).....	65.07	14.95
23 11 23 00-0193 EA 48" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-48).....	75.41	15.84
23 11 23 00-0194 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0195 EA 12" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-12).....	41.92	13.19
23 11 23 00-0196 EA 18" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-18).....	46.54	14.08
23 11 23 00-0197 EA 24" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-24).....	46.21	14.08
23 11 23 00-0198 EA 30" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-30).....	53.62	14.95
23 11 23 00-0199 EA 36" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-36).....	51.45	14.95
23 11 23 00-0200 EA 48" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-48).....	67.01	15.84
23 11 23 00-0201 EA 60" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-60).....	72.68	15.84
23 11 23 00-0202 EA 72" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-72).....	79.99	16.71
23 11 23 00-0203 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0204 EA 12" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-12).....	41.92	13.19
23 11 23 00-0205 EA 18" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-18).....	42.69	14.08
23 11 23 00-0206 EA 24" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-24).....	43.61	14.08
23 11 23 00-0207 EA 30" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-30).....	53.62	14.95
23 11 23 00-0208 EA 36" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-36).....	57.10	14.95
23 11 23 00-0209 EA 48" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-48).....	57.92	15.84
23 11 23 00-0210 EA 60" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-60).....	72.68	15.84
23 11 23 00-0211 EA 72" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-72).....	79.99	16.71
23 11 23 00-0212 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0213 EA 12" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-12).....	41.92	13.19
23 11 23 00-0214 EA 18" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-18).....	46.54	14.08
23 11 23 00-0215 EA 24" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-24).....	50.94	14.08
23 11 23 00-0216 EA 30" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-30).....	53.62	14.95



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0217 EA 36" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-36).....	47.52	14.95
23 11 23 00-0218 EA 48" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-48).....	65.29	15.84
23 11 23 00-0219 EA 60" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-60).....	72.68	15.84
23 11 23 00-0220 EA 72" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-72).....	79.99	16.71
23 11 23 00-0221 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0222 EA 12" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-12).....	58.13	13.19
23 11 23 00-0223 EA 18" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-18).....	62.71	14.08
23 11 23 00-0224 EA 24" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-24).....	67.11	14.08
23 11 23 00-0225 EA 30" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-30).....	69.77	14.95
23 11 23 00-0226 EA 36" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-36).....	73.39	14.95
23 11 23 00-0227 EA 48" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-48).....	81.08	15.84
23 11 23 00-0228 EA 60" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-60).....	89.13	15.84
23 11 23 00-0229 EA 72" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-72).....	96.46	16.71
23 11 23 00-0230 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0231 EA 12" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-12).....	66.93	17.59
23 11 23 00-0232 EA 18" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-18).....	71.50	18.47
23 11 23 00-0233 EA 24" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-24).....	75.92	18.47
23 11 23 00-0234 EA 30" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-30).....	78.56	19.35
23 11 23 00-0235 EA 36" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-36).....	82.19	19.35
23 11 23 00-0236 EA 48" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-48).....	89.87	20.23
23 11 23 00-0237 EA 60" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-60).....	97.93	20.23
23 11 23 00-0238 EA 72" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-72).....	105.26	21.11
23 11 23 00-0239 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0240 EA 12" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12).....	66.93	17.59
23 11 23 00-0241 EA 18" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18).....	71.50	18.47
23 11 23 00-0242 EA 24" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24).....	75.92	18.47
23 11 23 00-0243 EA 30" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30).....	78.56	19.35
23 11 23 00-0244 EA 36" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36).....	82.19	19.35
23 11 23 00-0245 EA 48" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48).....	89.87	20.23
23 11 23 00-0246 EA 60" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60).....	97.93	20.23
23 11 23 00-0247 EA 72" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-72).....	105.26	21.11
23 11 23 00-0248 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0249 EA 12" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12).....	80.09	17.59
23 11 23 00-0250 EA 18" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18).....	84.66	18.47
23 11 23 00-0251 EA 24" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24).....	89.08	18.47
23 11 23 00-0252 EA 30" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30).....	91.73	19.35
23 11 23 00-0253 EA 36" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36).....	95.38	19.35

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0254 EA 48" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48).....	103.05	20.23
23 11 23 00-0255 EA 60" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60).....	111.11	20.23
23 11 23 00-0256 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0257 EA 12" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-12).....	80.09	17.59
23 11 23 00-0258 EA 18" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-18).....	84.66	18.47
23 11 23 00-0259 EA 24" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-24).....	89.08	18.47
23 11 23 00-0260 EA 36" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-36).....	95.38	19.35
23 11 23 00-0261 EA 48" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-48).....	103.05	20.23
23 11 23 00-0262 EA 60" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-60).....	111.11	20.23
23 11 23 00-0263 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0264 EA 12" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-12).....	80.09	17.59
23 11 23 00-0265 EA 18" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-18).....	84.66	18.47
23 11 23 00-0266 EA 24" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-24).....	89.08	18.47
23 11 23 00-0267 EA 30" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-30).....	91.73	19.35
23 11 23 00-0268 EA 36" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-36).....	95.38	19.35
23 11 23 00-0269 EA 48" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-48).....	103.05	20.23
23 11 23 00-0270 EA 60" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-60).....	111.11	20.23
23 11 23 00-0271 EA 72" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-72).....	118.43	21.11
23 11 23 00-0272 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0273 EA 12" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-12).....	63.45	17.59
23 11 23 00-0274 EA 18" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-18).....	68.04	18.47
23 11 23 00-0275 EA 24" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-24).....	72.48	18.47
23 11 23 00-0276 EA 30" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-30).....	75.10	19.35
23 11 23 00-0277 EA 36" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-36).....	78.74	19.35
23 11 23 00-0278 EA 48" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-48).....	86.40	20.23
23 11 23 00-0279 EA 72" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-72).....	101.76	21.11
23 11 23 00-0280 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0281 EA 18" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-18).....	77.41	18.47
23 11 23 00-0282 EA 24" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-24).....	82.89	18.47
23 11 23 00-0283 Quarter-Turn, Gas Ball Valve (23 11 23)		
23 11 23 00-0284 EA 3/8" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top™ T-3000 102-102).....	36.97	9.36
23 11 23 00-0285 EA 1/2" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-103).....	36.59	9.55
23 11 23 00-0286 EA 3/4" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-104).....	53.50	10.51
23 11 23 00-0287 EA 3/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-112).....	36.57	9.36
23 11 23 00-0288 EA 1/2" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-113).....	38.49	9.55
23 11 23 00-0289 EA 1/2" Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-118).....	44.06	9.55
23 11 23 00-0290 EA 5/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-121).....	47.06	10.04
23 11 23 00-0291 EA 5/8" (7/8"-14) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-114).....	49.90	10.04
23 11 23 00-0292 EA 5/8" (15/16"-16) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-115).....	49.90	10.04
23 11 23 00-0293 EA 3/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-312).....	38.69	9.36



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0294	EA			1/2" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-313)	40.61	9.55
23 11 23 00-0295	EA			5/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-314)	51.40	10.04
23 11 23 00-0296	EA			1/2" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-413)	40.89	9.55
23 11 23 00-0297	EA			3/4" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-414)	55.11	10.51
23 11 23 00-0298	EA			3/8" (9/16"-24) Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-119)	38.58	9.36
23 11 23 00-0299	EA			3/8" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-612)	36.29	9.36
23 11 23 00-0300	EA			1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-613)	36.58	9.55
23 11 23 00-0301	EA			3/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-614)	50.45	10.51
23 11 23 00-0302	EA			1" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-615)	69.95	11.95
23 11 23 00-0303	EA			1-1/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-616)	102.75	12.42
23 11 23 00-0304	EA			1-1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-617)	122.83	14.33
23 11 23 00-0305	EA			2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-618)	152.76	17.20
23 11 23 00-0306	EA			1/2" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-713)	37.81	9.55
23 11 23 00-0307	EA			3/4" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-714)	50.07	10.51
23 11 23 00-0308				Gas Stops <small>(23 11 23)</small>		
23 11 23 00-0309				Brass/Bronze Gas Stops <small>(23 11 23 00-0308)</small>		
				Note: Flat or square head		
23 11 23 00-0310	EA			3/8" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	41.19	9.55
23 11 23 00-0311	EA			1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	41.48	9.55
23 11 23 00-0312	EA			3/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	54.62	10.51
23 11 23 00-0313	EA			1" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	75.47	11.95
23 11 23 00-0314	EA			1-1/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	99.88	12.71
23 11 23 00-0315	EA			1-1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	124.74	14.71
23 11 23 00-0316	EA			2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	170.55	17.39
23 11 23 00-0317				Iron Body Gas Stops <small>(23 11 23 00-0308)</small>		
23 11 23 00-0318	EA			1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	54.16	9.55
23 11 23 00-0319	EA			3/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	67.10	10.51
23 11 23 00-0320	EA			1" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	83.00	11.95
23 11 23 00-0321	EA			1-1/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	107.19	12.71
23 11 23 00-0322	EA			1-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	133.92	14.71
23 11 23 00-0323	EA			2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	172.64	17.39
23 11 23 00-0324	EA			2-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	326.56	23.48
23 11 23 00-0325	EA			3" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	434.70	27.27
23 11 23 00-0326				Bronze Body Solenoid Valves, 150 PSI Gas <small>(23 11 23)</small>		
23 11 23 00-0327	EA			1/4" Solenoid Valve, Bronze, 150 PSI, Gas	130.37	9.55
23 11 23 00-0328	EA			1/2" Solenoid Valve, Bronze, 150 PSI, Gas	151.73	9.55
23 11 23 00-0329	EA			3/4" Solenoid Valve, Bronze, 150 PSI, Gas	193.59	10.51
23 11 23 00-0330	EA			1" Solenoid Valve, Bronze, 150 PSI, Gas	288.44	11.95
23 11 23 00-0331	EA			1-1/2" Solenoid Valve, Bronze, 150 PSI, Gas	513.14	14.71
23 11 23 00-0332	EA			2" Solenoid Valve, Bronze, 150 PSI, Gas	867.16	17.39
23 11 23 00-0333	EA			2-1/2" Solenoid Valve, Bronze, 150 PSI, Gas	1,075.85	23.48
23 11 23 00-0334	EA			3" Solenoid Valve, Bronze, 150 PSI, Gas	1,614.37	27.27
23 11 26				Facility Liquefied-Petroleum Gas Piping <small>(23 11)</small>		
23 11 26 00-0001				Fiberglass Reinforced Plastic Pipe And Fittings <small>(23 11 26)</small>		
23 11 26 00-0002				Fiberglass Reinforced Plastic Pipe <small>(23 11 26 00-0001)</small>		
				Note: For double containment fiberglass pipe, select both outer containment pipe size and inner containment pipe size (include in modifier for use as inner pipe).		
23 11 26 00-0003	LF			2" Fiberglass Reinforced Plastic Pipe	16.08	6.33
				<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-7.10	
23 11 26 00-0004	LF			3" Fiberglass Reinforced Plastic Pipe	19.27	7.57
				<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-8.51	
23 11 26 00-0005	LF			4" Fiberglass Reinforced Plastic Pipe	25.81	11.17
				<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-12.53	
23 11 26 00-0006	LF			5" Fiberglass Reinforced Plastic Pipe	30.17	12.84
				<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-14.12	
23 11 26 00-0007	LF			6" Fiberglass Reinforced Plastic Pipe	35.13	14.34
				<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-16.16	
23 11 26 00-0008	LF			8" Fiberglass Reinforced Plastic Pipe	46.72	16.68
				<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-18.74	
23 11 26 00-0009	LF			10" Fiberglass Reinforced Plastic Pipe	61.50	19.83
				<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-22.34	
23 11 26 00-0010	LF			12" Fiberglass Reinforced Plastic Pipe	84.23	24.98
				<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-28.10	
23 11 26 00-0011				Fiberglass Reinforced Plastic Fittings <small>(23 11 26 00-0001)</small>		
23 11 26 00-0012				Fiberglass Reinforced Plastic Flanged 90 Degree Elbows <small>(23 11 26 00-0001)</small>		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0013 EA 2" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	127.48	63.07
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-70.94	
23 11 26 00-0014 EA 3" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	150.79	75.74
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-85.13	
23 11 26 00-0015 EA 4" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	179.81	87.96
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-98.89	
23 11 26 00-0016 EA 5" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	214.84	98.65
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-108.83	
23 11 26 00-0017 EA 6" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	257.43	110.68
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-124.45	
23 11 26 00-0018 EA 8" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	363.98	138.31
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-155.57	
23 11 26 00-0019 EA 10" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	465.03	166.60
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-187.35	
23 11 26 00-0020 EA 12" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow.....	643.29	206.59
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-232.31	
23 11 26 00-0021 Fiberglass Reinforced Plastic Flanged 45 Degree Elbows (23 11 26 00-0011)		
23 11 26 00-0022 EA 2" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	127.73	63.07
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-70.94	
23 11 26 00-0023 EA 3" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	150.86	75.74
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-85.13	
23 11 26 00-0024 EA 4" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	180.06	88.04
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-98.96	
23 11 26 00-0025 EA 5" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	223.69	104.58
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-115.45	
23 11 26 00-0026 EA 6" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	257.34	110.68
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-124.45	
23 11 26 00-0027 EA 8" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	363.98	138.31
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-155.57	
23 11 26 00-0028 EA 10" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	496.74	166.60
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-187.35	
23 11 26 00-0029 EA 12" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow.....	643.29	206.59
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-232.31	
23 11 26 00-0030 Fiberglass Reinforced Plastic Flanged Tees (23 11 26 00-0011)		
23 11 26 00-0031 EA 2" Fiberglass Reinforced Plastic Flanged Tee.....	193.20	94.64
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-106.40	
23 11 26 00-0032 EA 3" Fiberglass Reinforced Plastic Flanged Tee.....	236.18	113.99
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-128.15	
23 11 26 00-0033 EA 4" Fiberglass Reinforced Plastic Flanged Tee.....	270.91	132.02
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-148.45	
23 11 26 00-0034 EA 5" Fiberglass Reinforced Plastic Flanged Tee.....	331.50	156.82
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-173.24	
23 11 26 00-0035 EA 6" Fiberglass Reinforced Plastic Flanged Tee.....	377.83	166.60
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-187.35	
23 11 26 00-0036 EA 8" Fiberglass Reinforced Plastic Flanged Tee.....	472.59	206.59
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-232.31	
23 11 26 00-0037 EA 10" Fiberglass Reinforced Plastic Flanged Tee.....	683.48	249.90
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-281.03	
23 11 26 00-0038 EA 12" Fiberglass Reinforced Plastic Flanged Tee.....	886.32	303.83
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-341.63	
23 11 26 00-0039 Fiberglass Reinforced Plastic Flanged Wyes (23 11 26 00-0011)		
23 11 26 00-0040 EA 2" Fiberglass Reinforced Plastic Flanged Wye.....	227.95	94.64
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-106.40	
23 11 26 00-0041 EA 3" Fiberglass Reinforced Plastic Flanged Wye.....	285.70	113.82
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-127.99	
23 11 26 00-0042 EA 4" Fiberglass Reinforced Plastic Flanged Wye.....	334.07	132.02
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-148.43	
23 11 26 00-0043 EA 5" Fiberglass Reinforced Plastic Flanged Wye.....	385.29	156.82
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-173.24	
23 11 26 00-0044 EA 6" Fiberglass Reinforced Plastic Flanged Wye.....	422.25	166.60
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-187.35	
23 11 26 00-0045 EA 8" Fiberglass Reinforced Plastic Flanged Wye.....	542.82	206.59
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-232.31	
23 11 26 00-0046 EA 10" Fiberglass Reinforced Plastic Flanged Wye.....	772.07	249.90
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-281.03	
23 11 26 00-0047 EA 12" Fiberglass Reinforced Plastic Flanged Wye.....	982.89	303.83
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-341.63	
23 11 26 00-0048 Fiberglass Reinforced Plastic Flanged Concentric Reducers (23 11 26 00-0011)		
23 11 26 00-0049 EA 2" Fiberglass Reinforced Plastic Flanged Concentric Reducer.....	138.08	63.07
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-70.94	
23 11 26 00-0050 EA 3" Fiberglass Reinforced Plastic Flanged Concentric Reducer.....	173.47	75.74
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-85.13	
23 11 26 00-0051 EA 4" Fiberglass Reinforced Plastic Flanged Concentric Reducer.....	194.74	88.04
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-98.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0052 EA 5" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	226.50 -115.45	104.58
23 11 26 00-0053 EA 6" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	248.26 -124.45	110.68
23 11 26 00-0054 EA 8" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	322.18 -155.57	138.31
23 11 26 00-0055 EA 10" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	402.57 -187.35	166.60
23 11 26 00-0056 EA 12" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	531.07 -232.31	206.59
23 11 26 00-0057 Fiberglass Reinforced Plastic Bell x Male Or Female Adapters (23 11 26 00-0011)		
23 11 26 00-0058 EA 2" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	122.55 -70.94	63.07
23 11 26 00-0059 EA 3" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	143.81 -85.13	75.74
23 11 26 00-0060 EA 4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	165.11 -98.96	88.04
23 11 26 00-0061 EA 4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	197.48 -115.45	104.58
23 11 26 00-0062 EA 6" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	219.87 -124.45	110.68
23 11 26 00-0063 EA 8" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	243.94 -155.57	138.31
23 11 26 00-0064 EA 10" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	302.28 -187.35	166.60
23 11 26 00-0065 EA 12" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	423.86 -232.31	206.59
23 11 26 00-0066 Fiberglass Reinforced Plastic Nipples (23 11 26 00-0011)		
23 11 26 00-0067 EA 2" x 6" Fiberglass Reinforced Plastic Nipple..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	19.07 -8.51	7.57
23 11 26 00-0068 EA 2" x 12" Fiberglass Reinforced Plastic Nipple..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	38.08 -16.98	15.13
23 11 26 00-0069 EA 3" x 8" Fiberglass Reinforced Plastic Nipple..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	51.17 -13.07	11.61
23 11 26 00-0070 EA 3" x 12" Fiberglass Reinforced Plastic Nipple..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	61.00 -17.44	15.52
23 11 26 00-0071 EA 4" x 8" Fiberglass Reinforced Plastic Nipple..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	53.78 -12.45	11.04
23 11 26 00-0072 EA 4" x 12" Fiberglass Reinforced Plastic Nipple..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	67.78 -18.66	16.60
23 11 26 00-0073 EA 6" x 12" Fiberglass Reinforced Plastic Nipple..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	82.00 -20.53	18.58
23 11 26 00-0074 EA 6" x 12" Fiberglass Reinforced Plastic Nipple..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	96.25 -22.43	19.91
23 11 26 00-0075 EA 8" x 18" Fiberglass Reinforced Plastic Nipple..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	62.64 -26.13	23.23
23 11 26 00-0076 EA 8" x 24" Fiberglass Reinforced Plastic Nipple..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	86.81 -37.31	33.18
23 11 26 00-0077 EA 10" x 18" Fiberglass Reinforced Plastic Nipple..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	90.93 -26.57	23.65
23 11 26 00-0078 EA 10" x 24" Fiberglass Reinforced Plastic Nipple..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	136.40 -39.78	35.35
23 11 26 00-0079 EA 12" x 18" Fiberglass Reinforced Plastic Nipple..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	103.19 -27.40	24.39
23 11 26 00-0080 EA 12" x 24" Fiberglass Reinforced Plastic Nipple..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	139.35 -41.09	36.51
23 11 26 00-0081 Fiberglass Reinforced Plastic Sleeve Couplings (23 11 26 00-0011)		
23 11 26 00-0082 EA 2" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	101.67 -70.94	63.07
23 11 26 00-0083 EA 3" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	122.14 -85.13	75.74
23 11 26 00-0084 EA 4" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	141.66 -98.96	88.04
23 11 26 00-0085 EA 5" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	167.37 -115.45	104.58
23 11 26 00-0086 EA 6" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	183.09 -124.45	110.68
23 11 26 00-0087 EA 8" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	232.59 -155.57	138.31
23 11 26 00-0088 EA 10" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	288.12 -187.35	166.60
23 11 26 00-0089 EA 12" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	354.93 -232.31	206.59
23 11 26 00-0090 Fiberglass Reinforced Plastic Flanges (23 11 26 00-0011)		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0091 EA 2" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	102.56 -70.94	63.07
23 11 26 00-0092 EA 3" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	123.31 -85.13	75.74
23 11 26 00-0093 EA 4" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	137.50 -93.17	82.88
23 11 26 00-0094 EA 5" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	162.99 -108.90	98.65
23 11 26 00-0095 EA 6" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	188.24 -124.45	110.68
23 11 26 00-0096 EA 8" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	228.87 -148.92	132.42
23 11 26 00-0097 EA 10" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	296.13 -187.35	166.60
23 11 26 00-0098 EA 12" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	386.96 -232.31	206.59
23 11 26 00-0099 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing And Fittings (23 11 26)		
23 11 26 00-0100 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing (23 11 26 00-0099)		
23 11 26 00-0101 LF 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	62.93	27.18
23 11 26 00-0102 LF 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	74.84	32.19
23 11 26 00-0103 LF 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	101.78	47.50
23 11 26 00-0104 LF 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	137.99	61.57
23 11 26 00-0105 LF 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	180.05	71.35
23 11 26 00-0106 LF 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	233.46	84.62
23 11 26 00-0107 LF 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	296.97	106.78
23 11 26 00-0108 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Fittings (23 11 26 00-0099)		
23 11 26 00-0109 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbows (23 11 26 00-0108)		
23 11 26 00-0110 EA 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	975.48	336.35
23 11 26 00-0111 EA 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	1,139.35	403.72
23 11 26 00-0112 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	1,390.31	469.16
23 11 26 00-0113 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	2,195.37	590.16
23 11 26 00-0114 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	3,348.60	737.84
23 11 26 00-0115 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	4,413.58	887.69
23 11 26 00-0116 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	5,811.83	1,099.25
23 11 26 00-0117 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbows (23 11 26 00-0108)		
23 11 26 00-0118 EA 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	976.50	336.35
23 11 26 00-0119 EA 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	1,137.55	403.72
23 11 26 00-0120 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	1,388.90	469.16
23 11 26 00-0121 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	2,187.06	590.16
23 11 26 00-0122 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	3,336.58	737.84
23 11 26 00-0123 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	4,397.67	888.10
23 11 26 00-0124 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	5,793.25	1,101.74
23 11 26 00-0125 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tees (23 11 26 00-0108)		
23 11 26 00-0126 EA 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	1,393.82	504.52
23 11 26 00-0127 EA 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	1,722.69	608.05
23 11 26 00-0128 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	1,961.85	704.10
23 11 26 00-0129 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	2,921.80	888.51
23 11 26 00-0130 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	3,673.71	1,101.74
23 11 26 00-0131 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	5,829.80	1,331.24
23 11 26 00-0132 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	7,769.09	1,614.07



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0133	Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wyes <small>(23 11 26 00-0108)</small>	
23 11 26 00-0134 EA 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	1,825.25	504.52
23 11 26 00-0135 EA 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	2,339.06	607.34
23 11 26 00-0136 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	2,746.25	704.10
23 11 26 00-0137 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	3,473.26	888.51
23 11 26 00-0138 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	4,545.81	1,101.74
23 11 26 00-0139 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	6,929.80	1,331.24
23 11 26 00-0140 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	8,968.15	1,614.07
23 11 26 00-0141	Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducers <small>(23 11 26 00-0108)</small>	
23 11 26 00-0142 EA 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	1,044.32	336.35
23 11 26 00-0143 EA 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	1,349.90	403.72
23 11 26 00-0144 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	1,483.21	469.16
23 11 26 00-0145 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	1,907.11	590.16
23 11 26 00-0146 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	2,531.23	737.84
23 11 26 00-0147 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	3,227.74	887.69
23 11 26 00-0148 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	4,396.12	1,099.25
23 11 26 00-0149	Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapters <small>(23 11 26 00-0108)</small>	
23 11 26 00-0150 EA 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	851.51	336.35
23 11 26 00-0151 EA 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	981.67	403.72
23 11 26 00-0152 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	1,115.34	469.16
23 11 26 00-0153 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	1,554.50	590.16
23 11 26 00-0154 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	1,559.70	737.84
23 11 26 00-0155 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	1,982.43	887.69
23 11 26 00-0156 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	3,064.88	1,099.25
23 11 26 00-0157	Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipples <small>(23 11 26 00-0108)</small>	
23 11 26 00-0158 EA 2" x 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	156.40	40.37
23 11 26 00-0159 EA 2" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	312.50	80.57
23 11 26 00-0160 EA 3" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	511.90	61.92
23 11 26 00-0161 EA 3" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	592.74	82.72
23 11 26 00-0162 EA 4" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	550.12	58.99
23 11 26 00-0163 EA 4" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	665.36	88.53
23 11 26 00-0164 EA 6" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	983.27	106.37
23 11 26 00-0165 EA 8" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	531.01	123.96
23 11 26 00-0166 EA 8" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	725.52	176.97
23 11 26 00-0167 EA 10" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	878.11	125.94
23 11 26 00-0168 EA 10" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,317.90	188.67
23 11 26 00-0169 EA 12" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,022.49	129.93
23 11 26 00-0170 EA 12" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,342.24	194.90
23 11 26 00-0171	Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanges <small>(23 11 26 00-0108)</small>	
23 11 26 00-0172 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	827.30	441.89
23 11 26 00-0173 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	1,161.77	590.16
23 11 26 00-0174 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	1,435.45	706.39
23 11 26 00-0175 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	1,906.09	887.69
23 11 26 00-0176 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	2,606.82	1,099.25

23 12 Facility Fuel Pumps (23 10)

23 12 13 Facility Fuel-Oil Pumps (23 12)

23 12 13 00-0001 Cast Iron Internal Gear Rotary Pump (23 12 13)

Note: Heavy duty type with relief valve, 1150 RPM drip-proof motor, common base plate. For viscosity to 20 centipoise; diesel oil, and light oil.

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 12 Facility Fuel Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 12 13 00-0002		10 GPM 1" Discharge <small>(23 12 13 00-0001)</small>		
23 12 13 00-0003	EA	10 GPM Cast Iron Rotary Pump, 20 PSI 1/2 HP With 1" Discharge	875.04	247.23
23 12 13 00-0004	EA	10 GPM Cast Iron Rotary Pump, 40 PSI 3/4 HP With 1" Discharge	935.47	299.24
23 12 13 00-0005	EA	10 GPM Cast Iron Rotary Pump, 60 PSI 1 HP With 1" Discharge	1,036.85	355.51

23 12 13 00-0006		25 GPM 1-1/4" Discharge <small>(23 12 13 00-0001)</small>		
23 12 13 00-0007	EA	25 GPM Cast Iron Rotary Pump, 20 PSI 1 HP With 1-1/4" Discharge	990.13	247.23
23 12 13 00-0008	EA	25 GPM Cast Iron Rotary Pump, 40 PSI 1.5 HP With 1-1/4" Discharge	1,049.89	299.24
23 12 13 00-0009	EA	25 GPM Cast Iron Rotary Pump, 60 PSI 2 HP With 1-1/4" Discharge	1,109.50	355.51

23 12 13 00-0010		Pump, Fuel Oil, 2 Stage 3450 RPM 100 PSI <small>(23 12 13)</small>		
23 12 13 00-0011	EA	1/4 HP Pump Fuel Oil/Diesel	677.53	138.53
23 12 13 00-0012	EA	1/3 HP Pump Fuel Oil/Diesel	790.26	155.16
23 12 13 00-0013	EA	1/2 HP Pump Fuel Oil/Diesel	867.53	173.91
23 12 13 00-0014	EA	3/4 HP Pump Fuel Oil/Diesel	951.64	196.09
23 12 13 00-0015	EA	1 HP Pump Fuel Oil/Diesel	1,291.45	218.25
23 12 13 00-0016	EA	1-1/2 HP Pump Fuel Oil/Diesel	1,560.96	244.25
23 12 13 00-0017	EA	2 HP Pump Fuel Oil/Diesel	1,732.31	273.66
23 12 13 00-0018	EA	3 HP Pump Fuel Oil/Diesel	2,089.57	306.06
23 12 13 00-0019	EA	5 HP Pump Fuel Oil/Diesel	2,448.67	343.15
23 12 13 00-0020	EA	7.5 HP Pump Fuel Oil/Diesel	2,742.20	384.92
23 12 13 00-0021	EA	10 HP Pump Fuel Oil/Diesel	3,074.33	431.47

23 12 23 Facility Natural-Gas Pumps (23 12)

23 12 23 00-0001		Natural Gas Booster Pump <small>(23 12 23)</small>		
23 12 23 00-0002	EA	Natural Gas Booster Pump, 3/4" Outlet Size	744.90	127.88
23 12 23 00-0003	EA	Natural Gas Booster Pump, 1" Outlet Size	879.00	142.80
23 12 23 00-0004	EA	Natural Gas Booster Pump, 1-1/4" Outlet Size	979.95	149.20
23 12 23 00-0005	EA	Natural Gas Booster Pump, 1-1/2" Outlet Size	1,104.98	155.59
23 12 23 00-0006	EA	Natural Gas Booster Pump, 2" Outlet Size	1,241.82	159.85

23 13 Facility Fuel-Storage Tanks (23 10)**23 13 13 Facility Underground Fuel-Oil, Storage Tanks (23 13)****23 13 13 13 Double-Wall Steel, Underground Fuel-Oil, Storage Tanks (23 13 13)**

23 13 13 13-0001		Coated Underground Double Wall Storage Tanks <small>(23 13 13 13)</small>		
Note: Includes setting in place with hold down bars and manway and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes excavation, pad, plastic lining, pumps and piping.				
23 13 13 13-0002	EA	250 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	8,340.86	576.89
23 13 13 13-0003	EA	550 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	8,989.78	576.89
23 13 13 13-0004	EA	1,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	12,938.03	721.08
23 13 13 13-0005	EA	2,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	17,915.54	1,408.43
23 13 13 13-0006	EA	3,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	28,324.35	1,810.75
23 13 13 13-0007	EA	4,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	31,583.41	2,079.69
23 13 13 13-0008	EA	5,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	34,330.04	2,749.79
23 13 13 13-0009	EA	6,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	35,551.06	2,952.38
23 13 13 13-0010	EA	8,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	43,335.15	3,487.86
23 13 13 13-0011	EA	10,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	50,180.47	4,022.99
23 13 13 13-0012	EA	12,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	63,854.33	4,424.05
23 13 13 13-0013	EA	14,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	75,757.21	5,371.50
23 13 13 13-0014	EA	15,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	78,323.19	5,700.56
23 13 13 13-0015	EA	20,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	97,059.82	9,042.27
23 13 13 13-0016	EA	25,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	119,568.97	11,725.61
23 13 13 13-0017	EA	30,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	140,693.08	13,416.23
23 13 13 13-0018	EA	40,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	179,627.18	14,422.44
23 13 13 13-0019	EA	48,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	241,129.58	14,792.29

23 13 13 23 Glass-Fiber-Reinforced-Plastic, Underground Fuel-Oil, Storage Tanks (23 13 13)

23 13 13 23-0001		Underground Fiberglass Storage Tanks <small>(23 13 13 23)</small>		
23 13 13 23-0002		Single Wall Fiberglass Underground Storage Tanks <small>(23 13 13 23-0001)</small>		
Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.				
23 13 13 23-0003	EA	550 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	2,905.27	576.89
23 13 13 23-0004	EA	1,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	3,648.63	721.08
23 13 13 23-0005	EA	2,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	4,743.07	892.18
23 13 13 23-0006	EA	2,500 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	5,399.90	1,086.72
23 13 13 23-0007	EA	3,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	6,052.33	1,274.54
23 13 13 23-0008	EA	4,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	7,384.72	1,677.03
23 13 13 23-0009	EA	5,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	8,901.10	2,549.09
23 13 13 23-0010	EA	6,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	10,125.88	3,219.89
23 13 13 23-0011	EA	8,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	12,101.01	3,622.39



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 13 23-0012 EA 10,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	13,666.35	4,293.19
23 13 13 23-0013 EA 12,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	17,518.76	5,098.17
23 13 13 23-0014 EA 15,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	21,574.27	6,372.71
23 13 13 23-0015 EA 20,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	27,303.30	8,519.30
23 13 13 23-0016 EA 25,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	40,425.77	10,598.83
23 13 13 23-0017 EA 30,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	49,461.36	12,745.42
23 13 13 23-0018 EA 40,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	70,723.89	18,447.31
23 13 13 23-0019 EA 50,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	100,181.33	23,478.40
23 13 13 23-0020 Double Wall Fiberglass Underground Storage Tanks <small>(23 13 13 23-0001)</small>		
<small>Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.</small>		
23 13 13 23-0021 EA 550 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	5,518.26	576.89
23 13 13 23-0022 EA 1,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	7,266.04	721.08
23 13 13 23-0023 EA 2,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	8,713.03	872.06
23 13 13 23-0024 EA 3,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	11,354.77	1,274.63
23 13 13 23-0025 EA 4,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	12,797.63	1,677.03
23 13 13 23-0026 EA 5,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	14,851.62	2,549.09
23 13 13 23-0027 EA 6,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	16,606.64	3,219.89
23 13 13 23-0028 EA 8,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	20,349.25	3,622.39
23 13 13 23-0029 EA 10,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	21,914.59	4,293.19
23 13 13 23-0030 EA 12,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	26,503.45	5,098.17
23 13 13 23-0031 EA 15,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	36,340.09	6,372.71
23 13 13 23-0032 EA 20,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	45,125.39	8,519.30
23 13 13 23-0033 EA 30,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	69,640.09	12,745.42
23 13 13 23-0034 Underground Storage Tank Pump Enclosures <small>(23 13 13 23)</small>		
23 13 13 23-0035 EA Secondary Containment Collar	942.85	
23 13 13 23-0036 EA Turbine Enclosure With Lid 4' Long x 42" Diameter	942.85	
23 13 13 23-0037 EA Fitting Kit For Turbine Enclosure	188.57	
23 13 13 23-0038 EA Grommet Kits For Plumbing And Electrical	377.14	
23 13 13 23-0039 EA Turbine Electrical Coupling Kit	471.43	
23 13 23 Facility Aboveground Fuel-Oil, Storage Tanks <small>(23 13)</small>		
23 13 23 13 Vertical, Steel, Aboveground Fuel-Oil, Storage Tanks <small>(23 13 23)</small>		
23 13 23 13-0001 Rectangle Double Wall Steel Fuel Day Tank <small>(23 13 23 13)</small>		
<small>Note: Includes day tank with standard equipment, pump, pump control, level control, backup level control, level alarms, alarm outputs.</small>		
23 13 23 13-0002 EA 10 Gallon Double Wall Steel Day Tank (Tramont TRX)	1,149.50	111.13
<small>Note: Includes rust-inhibitor coated interior and gray painted exterior.</small>		
23 13 23 13-0003 EA 15 Gallon Double Wall Steel Day Tank (Tramont TRX)	1,235.50	116.68
<small>Note: Includes rust-inhibitor coated interior and gray painted exterior.</small>		
23 13 23 13-0004 EA 25 Gallon Double Wall Steel Day Tank (Tramont TRX)	1,341.81	125.02
<small>Note: Includes rust-inhibitor coated interior and gray painted exterior.</small>		
23 13 23 13-0005 EA 50 Gallon Double Wall Steel Day Tank (Tramont TRX)	1,545.77	133.36
<small>Note: Includes rust-inhibitor coated interior and gray painted exterior.</small>		
23 13 23 13-0006 EA 60 Gallon Double Wall Steel Day Tank (Tramont TRX)	1,727.66	138.91
<small>Note: Includes rust-inhibitor coated interior and gray painted exterior.</small>		
23 13 23 13-0007 EA 75 Gallon Double Wall Steel Day Tank (Tramont TRX)	2,035.52	166.70
<small>Note: Includes rust-inhibitor coated interior and gray painted exterior.</small>		
23 13 23 13-0008 EA 100 Gallon Double Wall Steel Day Tank (Tramont TRX)	2,751.43	194.48
<small>Note: Includes rust-inhibitor coated interior and gray painted exterior.</small>		
23 13 23 13-0009 EA 150 Gallon Double Wall Steel Day Tank (Tramont TRX)	3,491.74	222.26
<small>Note: Includes rust-inhibitor coated interior and gray painted exterior.</small>		
23 13 23 13-0010 EA 200 Gallon Double Wall Steel Day Tank (Tramont TRX)	4,493.62	250.04
<small>Note: Includes rust-inhibitor coated interior and gray painted exterior.</small>		
23 13 23 13-0011 EA 275 Gallon Double Wall Steel Day Tank (Tramont TRX)	5,009.00	277.82
<small>Note: Includes rust-inhibitor coated interior and gray painted exterior.</small>		
23 13 23 13-0012 EA 300 Gallon Double Wall Steel Day Tank (Tramont TRX)	5,725.86	333.39
<small>Note: Includes rust-inhibitor coated interior and gray painted exterior.</small>		
23 13 23 13-0013 EA 350 Gallon Double Wall Steel Day Tank (Tramont TRX)	6,407.86	388.95
<small>Note: Includes rust-inhibitor coated interior and gray painted exterior.</small>		
23 13 23 13-0014 EA 400 Gallon Double Wall Steel Day Tank (Tramont TRX)	7,110.79	444.52
<small>Note: Includes rust-inhibitor coated interior and gray painted exterior.</small>		
23 13 23 13-0015 EA 450 Gallon Double Wall Steel Day Tank (Tramont TRX)	7,899.93	472.30
<small>Note: Includes rust-inhibitor coated interior and gray painted exterior.</small>		
23 13 23 13-0016 EA 500 Gallon Double Wall Steel Day Tank (Tramont TRX)	8,694.29	500.09
<small>Note: Includes rust-inhibitor coated interior and gray painted exterior.</small>		
23 13 23 13-0017 EA 550 Gallon Double Wall Steel Day Tank (Tramont TRX)	9,598.53	527.87
<small>Note: Includes rust-inhibitor coated interior and gray painted exterior.</small>		
23 13 23 13-0018 EA 600 Gallon Double Wall Steel Day Tank (Tramont TRX)	10,387.67	555.64
<small>Note: Includes rust-inhibitor coated interior and gray painted exterior.</small>		
23 13 23 13-0019 EA 700 Gallon Double Wall Steel Day Tank (Tramont TRX)	11,549.39	666.78
<small>Note: Includes rust-inhibitor coated interior and gray painted exterior.</small>		
23 13 23 13-0020 EA 800 Gallon Double Wall Steel Day Tank (Tramont TRX)	12,456.32	722.34
<small>Note: Includes rust-inhibitor coated interior and gray painted exterior.</small>		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0021 EA 900 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	13,654.66	833.47
23 13 23 13-0022 EA 1,000 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	14,858.22	944.60
23 13 23 13-0023 EA 10 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,404.09	111.13
23 13 23 13-0024 EA 15 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,491.83	116.68
23 13 23 13-0025 EA 25 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,598.14	125.02
23 13 23 13-0026 EA 50 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,800.35	133.36
23 13 23 13-0027 EA 60 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,982.24	138.91
23 13 23 13-0028 EA 75 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,291.85	166.70
23 13 23 13-0029 EA 100 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,032.17	194.48
23 13 23 13-0030 EA 150 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,772.49	222.26
23 13 23 13-0031 EA 200 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,774.36	250.04
23 13 23 13-0032 EA 275 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,289.74	277.82
23 13 23 13-0033 EA 300 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,006.60	333.39
23 13 23 13-0034 EA 350 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,688.60	388.95
23 13 23 13-0035 EA 400 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,391.53	444.52
23 13 23 13-0036 EA 450 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,180.67	472.30
23 13 23 13-0037 EA 500 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,975.04	500.09
23 13 23 13-0038 EA 550 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,881.02	527.87
23 13 23 13-0039 EA 600 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,670.16	555.64
23 13 23 13-0040 EA 700 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	11,830.13	666.78
23 13 23 13-0041 EA 800 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,737.06	722.34
23 13 23 13-0042 EA 900 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	13,935.40	833.47
23 13 23 13-0043 EA 1,000 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	15,138.96	944.60
23 13 23 13-0044 EA 10 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,368.39	111.13
23 13 23 13-0045 EA 15 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,445.66	116.68
23 13 23 13-0046 EA 25 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,513.61	125.02
23 13 23 13-0047 EA 50 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,785.57	133.36
23 13 23 13-0048 EA 60 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,887.25	138.91
23 13 23 13-0049 EA 75 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,184.65	166.70
23 13 23 13-0050 EA 100 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,836.04	194.48
23 13 23 13-0051 EA 150 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,851.87	222.26
23 13 23 13-0052 EA 200 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,456.17	250.04
23 13 23 13-0053 EA 275 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,153.81	277.82
23 13 23 13-0054 EA 300 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,076.43	333.39
23 13 23 13-0055 EA 350 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,622.42	388.95
23 13 23 13-0056 EA 400 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,374.18	444.52
23 13 23 13-0057 EA 450 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,126.69	472.30
23 13 23 13-0058 EA 500 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,123.34	500.09
23 13 23 13-0059 EA 550 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,530.60	527.87
23 13 23 13-0060 EA 600 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,894.27	555.64
23 13 23 13-0061 EA 700 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	13,591.32	666.78
23 13 23 13-0062 EA 800 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	15,260.27	722.34



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0063 EA 900 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	17,061.94	833.47
23 13 23 13-0064 EA 1,000 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	18,893.25	944.60
23 13 23 13-0065 EA 10 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,519.26	111.13
23 13 23 13-0066 EA 15 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,596.54	116.68
23 13 23 13-0067 EA 25 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,664.48	125.02
23 13 23 13-0068 EA 50 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,936.45	133.36
23 13 23 13-0069 EA 60 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,038.13	138.91
23 13 23 13-0070 EA 75 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,335.53	166.70
23 13 23 13-0071 EA 100 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,986.92	194.48
23 13 23 13-0072 EA 150 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,002.74	222.26
23 13 23 13-0073 EA 200 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,683.77	250.04
23 13 23 13-0074 EA 275 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,903.62	277.82
23 13 23 13-0075 EA 300 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,826.25	333.39
23 13 23 13-0076 EA 350 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,373.97	388.95
23 13 23 13-0077 EA 400 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,123.99	444.52
23 13 23 13-0078 EA 450 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,878.25	472.30
23 13 23 13-0079 EA 500 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,873.15	500.09
23 13 23 13-0080 EA 550 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,280.42	527.87
23 13 23 13-0081 EA 600 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,644.08	555.64
23 13 23 13-0082 EA 700 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	14,341.13	666.78
23 13 23 13-0083 EA 800 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	16,011.82	722.34
23 13 23 13-0084 EA 900 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	17,811.76	833.47
23 13 23 13-0085 EA 1,000 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	19,643.07	944.60
23 13 23 13-0086 EA 10 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,162.70	111.13
23 13 23 13-0087 EA 15 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,248.70	116.68
23 13 23 13-0088 EA 25 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,318.39	125.02
23 13 23 13-0089 EA 50 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,599.07	133.36
23 13 23 13-0090 EA 60 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,749.58	138.91
23 13 23 13-0091 EA 75 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,019.08	166.70
23 13 23 13-0092 EA 100 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,696.62	194.48
23 13 23 13-0093 EA 150 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,761.27	222.26
23 13 23 13-0094 EA 200 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,388.24	250.04
23 13 23 13-0095 EA 275 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,152.15	277.82
23 13 23 13-0096 EA 300 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,123.60	333.39
23 13 23 13-0097 EA 350 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,615.53	388.95
23 13 23 13-0098 EA 400 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,471.91	444.52

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0099 EA 450 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,384.85	472.30
23 13 23 13-0100 EA 500 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,303.03	500.09
23 13 23 13-0101 EA 550 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,760.86	527.87
23 13 23 13-0102 EA 600 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,098.37	555.64
23 13 23 13-0103 EA 700 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	15,873.89	666.78
23 13 23 13-0104 EA 800 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	17,624.79	722.34
23 13 23 13-0105 EA 900 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	19,508.43	833.47
23 13 23 13-0106 EA 1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	21,418.21	944.60
23 13 23 13-0107 EA 10 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,313.58	111.13
23 13 23 13-0108 EA 15 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,399.57	116.68
23 13 23 13-0109 EA 25 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,469.26	125.02
23 13 23 13-0110 EA 50 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,749.95	133.36
23 13 23 13-0111 EA 60 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,900.45	138.91
23 13 23 13-0112 EA 75 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,166.46	166.70
23 13 23 13-0113 EA 100 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,847.50	194.48
23 13 23 13-0114 EA 150 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,912.15	222.26
23 13 23 13-0115 EA 200 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,539.12	250.04
23 13 23 13-0116 EA 275 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,901.96	277.82
23 13 23 13-0117 EA 300 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,873.41	333.39
23 13 23 13-0118 EA 350 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,539.71	388.95
23 13 23 13-0119 EA 400 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,221.72	444.52
23 13 23 13-0120 EA 450 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,134.66	472.30
23 13 23 13-0121 EA 500 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,052.84	500.09
23 13 23 13-0122 EA 550 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,510.67	527.87
23 13 23 13-0123 EA 600 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,849.92	555.64
23 13 23 13-0124 EA 700 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	16,623.70	666.78
23 13 23 13-0125 EA 800 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	18,374.61	722.34
23 13 23 13-0126 EA 900 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	20,258.24	833.47



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0127 EA 1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	22,168.02	944.60
23 13 23 13-0128 EA 150% Containment Double Wall Open Top Basin For 10 Gallon Tank.....	1,138.13	111.13
23 13 23 13-0129 EA 150% Containment Double Wall Open Top Basin For 15 Gallon Tank.....	1,234.87	116.68
23 13 23 13-0130 EA 150% Containment Double Wall Open Top Basin For 25 Gallon Tank.....	1,340.83	125.02
23 13 23 13-0131 EA 150% Containment Double Wall Open Top Basin For 50 Gallon Tank.....	1,536.56	133.36
23 13 23 13-0132 EA 150% Containment Double Wall Open Top Basin For 60 Gallon Tank.....	2,059.11	138.91
23 13 23 13-0133 EA 150% Containment Double Wall Open Top Basin For 75 Gallon Tank.....	2,105.41	166.70
23 13 23 13-0134 EA 150% Containment Double Wall Open Top Basin For 100 Gallon Tank.....	2,653.50	194.48
23 13 23 13-0135 EA 150% Containment Double Wall Open Top Basin For 150 Gallon Tank.....	3,291.35	222.26
23 13 23 13-0136 EA 150% Containment Double Wall Open Top Basin For 200 Gallon Tank.....	4,341.21	250.04
23 13 23 13-0137 EA 150% Containment Double Wall Open Top Basin For 275 Gallon Tank.....	5,469.35	277.82
23 13 23 13-0138 EA 150% Containment Double Wall Open Top Basin For 300 Gallon Tank.....	6,565.51	333.39
23 13 23 13-0139 EA 150% Containment Double Wall Open Top Basin For 350 Gallon Tank.....	7,042.51	388.95
23 13 23 13-0140 EA 150% Containment Double Wall Open Top Basin For 400 Gallon Tank.....	7,521.83	444.52
23 13 23 13-0141 EA 150% Containment Double Wall Open Top Basin For 450 Gallon Tank.....	8,265.56	472.30
23 13 23 13-0142 EA 150% Containment Double Wall Open Top Basin For 500 Gallon Tank.....	9,011.59	500.09
23 13 23 13-0143 EA 150% Containment Double Wall Open Top Basin For 550 Gallon Tank.....	9,658.67	527.87
23 13 23 13-0144 EA 150% Containment Double Wall Open Top Basin For 600 Gallon Tank.....	10,312.62	555.64
23 13 23 13-0145 EA 150% Containment Double Wall Open Top Basin For 700 Gallon Tank.....	11,653.32	666.78
23 13 23 13-0146 EA 150% Containment Double Wall Open Top Basin For 800 Gallon Tank.....	12,942.82	722.34
23 13 23 13-0147 EA 150% Containment Double Wall Open Top Basin For 900 Gallon Tank.....	14,361.78	833.47
23 13 23 13-0148 EA 150% Containment Double Wall Open Top Basin For 1,000 Gallon Tank.....	15,730.09	944.60
23 13 23 13-0149 EA 200% Containment Double Wall Open Top Basin For 10 Gallon Tank.....	1,200.34	116.68
23 13 23 13-0150 EA 200% Containment Double Wall Open Top Basin For 15 Gallon Tank.....	1,306.56	125.02
23 13 23 13-0151 EA 200% Containment Double Wall Open Top Basin For 25 Gallon Tank.....	1,417.64	133.36
23 13 23 13-0152 EA 200% Containment Double Wall Open Top Basin For 50 Gallon Tank.....	1,618.84	138.91
23 13 23 13-0153 EA 200% Containment Double Wall Open Top Basin For 60 Gallon Tank.....	2,206.94	166.70
23 13 23 13-0154 EA 200% Containment Double Wall Open Top Basin For 75 Gallon Tank.....	2,253.25	194.48
23 13 23 13-0155 EA 200% Containment Double Wall Open Top Basin For 100 Gallon Tank.....	2,829.21	222.26
23 13 23 13-0156 EA 200% Containment Double Wall Open Top Basin For 150 Gallon Tank.....	3,499.92	250.04
23 13 23 13-0157 EA 200% Containment Double Wall Open Top Basin For 200 Gallon Tank.....	4,605.55	277.82
23 13 23 13-0158 EA 200% Containment Double Wall Open Top Basin For 275 Gallon Tank.....	5,793.77	305.61
23 13 23 13-0159 EA 200% Containment Double Wall Open Top Basin For 300 Gallon Tank.....	6,945.70	361.17
23 13 23 13-0160 EA 200% Containment Double Wall Open Top Basin For 350 Gallon Tank.....	7,444.06	416.73
23 13 23 13-0161 EA 200% Containment Double Wall Open Top Basin For 400 Gallon Tank.....	7,944.85	472.30
23 13 23 13-0162 EA 200% Containment Double Wall Open Top Basin For 450 Gallon Tank.....	8,727.32	500.09
23 13 23 13-0163 EA 200% Containment Double Wall Open Top Basin For 500 Gallon Tank.....	9,512.24	527.87
23 13 23 13-0164 EA 200% Containment Double Wall Open Top Basin For 550 Gallon Tank.....	10,192.69	555.64
23 13 23 13-0165 EA 200% Containment Double Wall Open Top Basin For 600 Gallon Tank.....	10,926.70	611.21
23 13 23 13-0166 EA 200% Containment Double Wall Open Top Basin For 700 Gallon Tank.....	12,331.58	722.34
23 13 23 13-0167 EA 200% Containment Double Wall Open Top Basin For 800 Gallon Tank.....	13,780.21	833.47
23 13 23 13-0168 EA 200% Containment Double Wall Open Top Basin For 900 Gallon Tank.....	15,267.70	944.60
23 13 23 13-0169 EA 200% Containment Double Wall Open Top Basin For 1,000 Gallon Tank.....	16,701.74	1,055.73
23 13 23 13-0170 EA 150% Containment Double Wall Sealed Top Basin For 10 Gallon Tank.....	1,319.97	111.13
23 13 23 13-0171 EA 150% Containment Double Wall Sealed Top Basin For 15 Gallon Tank.....	1,439.73	116.68
23 13 23 13-0172 EA 150% Containment Double Wall Sealed Top Basin For 25 Gallon Tank.....	1,559.50	125.02
23 13 23 13-0173 EA 150% Containment Double Wall Sealed Top Basin For 50 Gallon Tank.....	1,801.26	133.36
23 13 23 13-0174 EA 150% Containment Double Wall Sealed Top Basin For 60 Gallon Tank.....	2,422.79	138.91
23 13 23 13-0175 EA 150% Containment Double Wall Sealed Top Basin For 75 Gallon Tank.....	2,469.09	166.70
23 13 23 13-0176 EA 150% Containment Double Wall Sealed Top Basin For 100 Gallon Tank.....	3,100.04	194.48
23 13 23 13-0177 EA 150% Containment Double Wall Sealed Top Basin For 150 Gallon Tank.....	3,846.07	222.26
23 13 23 13-0178 EA 150% Containment Double Wall Sealed Top Basin For 200 Gallon Tank.....	5,084.05	250.04
23 13 23 13-0179 EA 150% Containment Double Wall Sealed Top Basin For 275 Gallon Tank.....	6,472.91	277.82
23 13 23 13-0180 EA 150% Containment Double Wall Sealed Top Basin For 300 Gallon Tank.....	7,773.93	333.39
23 13 23 13-0181 EA 150% Containment Double Wall Sealed Top Basin For 350 Gallon Tank.....	8,322.28	388.95
23 13 23 13-0182 EA 150% Containment Double Wall Sealed Top Basin For 400 Gallon Tank.....	8,875.25	444.52
23 13 23 13-0183 EA 150% Containment Double Wall Sealed Top Basin For 450 Gallon Tank.....	9,763.99	472.30
23 13 23 13-0184 EA 150% Containment Double Wall Sealed Top Basin For 500 Gallon Tank.....	10,655.04	500.09
23 13 23 13-0185 EA 150% Containment Double Wall Sealed Top Basin For 550 Gallon Tank.....	11,410.29	527.87
23 13 23 13-0186 EA 150% Containment Double Wall Sealed Top Basin For 600 Gallon Tank.....	12,183.94	555.64
23 13 23 13-0187 EA 150% Containment Double Wall Sealed Top Basin For 700 Gallon Tank.....	13,766.32	666.78
23 13 23 13-0188 EA 150% Containment Double Wall Sealed Top Basin For 800 Gallon Tank.....	15,299.82	722.34
23 13 23 13-0189 EA 150% Containment Double Wall Sealed Top Basin For 900 Gallon Tank.....	16,960.46	833.47
23 13 23 13-0190 EA 150% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank.....	18,570.45	944.60
23 13 23 13-0191 EA 200% Containment Double Wall Sealed Top Basin For 10 Gallon Tank.....	1,392.29	116.68
23 13 23 13-0192 EA 200% Containment Double Wall Sealed Top Basin For 15 Gallon Tank.....	1,522.80	125.02
23 13 23 13-0193 EA 200% Containment Double Wall Sealed Top Basin For 25 Gallon Tank.....	1,648.45	133.36
23 13 23 13-0194 EA 200% Containment Double Wall Sealed Top Basin For 50 Gallon Tank.....	1,898.24	138.91
23 13 23 13-0195 EA 200% Containment Double Wall Sealed Top Basin For 60 Gallon Tank.....	2,590.82	166.70
23 13 23 13-0196 EA 200% Containment Double Wall Sealed Top Basin For 75 Gallon Tank.....	2,637.13	194.48
23 13 23 13-0197 EA 200% Containment Double Wall Sealed Top Basin For 100 Gallon Tank.....	3,300.56	222.26
23 13 23 13-0198 EA 200% Containment Double Wall Sealed Top Basin For 150 Gallon Tank.....	4,085.46	250.04
23 13 23 13-0199 EA 200% Containment Double Wall Sealed Top Basin For 200 Gallon Tank.....	5,389.66	277.82
23 13 23 13-0200 EA 200% Containment Double Wall Sealed Top Basin For 275 Gallon Tank.....	6,853.09	305.61
23 13 23 13-0201 EA 200% Containment Double Wall Sealed Top Basin For 300 Gallon Tank.....	8,221.25	361.17
23 13 23 13-0202 EA 200% Containment Double Wall Sealed Top Basin For 350 Gallon Tank.....	8,794.93	416.73
23 13 23 13-0203 EA 200% Containment Double Wall Sealed Top Basin For 400 Gallon Tank.....	9,373.46	472.30
23 13 23 13-0204 EA 200% Containment Double Wall Sealed Top Basin For 450 Gallon Tank.....	10,309.01	500.09
23 13 23 13-0205 EA 200% Containment Double Wall Sealed Top Basin For 500 Gallon Tank.....	11,246.99	527.87

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 10 Facility Fuel Systems

23 13 Facility Fuel-Storage Tanks



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 13 23 13-0206	EA		200% Containment Double Wall Sealed Top Basin For 550 Gallon Tank	12,041.61	555.64
23 13 23 13-0207	EA		200% Containment Double Wall Sealed Top Basin For 600 Gallon Tank	12,901.99	611.21
23 13 23 13-0208	EA		200% Containment Double Wall Sealed Top Basin For 700 Gallon Tank	14,561.98	722.34
23 13 23 13-0209	EA		200% Containment Double Wall Sealed Top Basin For 800 Gallon Tank	16,268.14	833.47
23 13 23 13-0210	EA		200% Containment Double Wall Sealed Top Basin For 900 Gallon Tank	18,010.74	944.60
23 13 23 13-0211	EA		200% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank	19,699.90	1,055.73

23 13 23 16 Horizontal, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)

23 13 23 16-0001 Single Wall Aboveground Storage Tanks (23 13 23 16)

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, excavation and backfill.

23 13 23 16-0002	EA		300 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	2,759.98	603.99
23 13 23 16-0003	EA		550 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	3,320.45	731.13
23 13 23 16-0004	EA		1,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	4,468.12	990.80
23 13 23 16-0005	EA		1,500 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	5,756.19	1,238.50
23 13 23 16-0006	EA		2,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	7,010.73	1,648.32
23 13 23 16-0007	EA		3,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	10,189.81	1,696.80
23 13 23 16-0008	EA		5,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	14,635.77	2,097.85
23 13 23 16-0009	EA		8,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	19,867.67	2,403.74
23 13 23 16-0010	EA		10,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	23,562.23	2,622.24
23 13 23 16-0011	EA		12,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	27,274.32	2,884.49
23 13 23 16-0012	EA		15,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	30,198.56	3,204.96
23 13 23 16-0013	EA		20,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	37,777.56	4,120.66
23 13 23 16-0014	EA		30,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	51,207.99	4,807.48

23 13 23 16-0015 Double Wall Aboveground Storage Tanks (23 13 23 16)

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, excavation and backfill.

23 13 23 16-0016	EA		300 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	4,278.16	753.65
23 13 23 16-0017	EA		550 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	5,143.91	912.00
23 13 23 16-0018	EA		1,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	6,921.35	1,238.50
23 13 23 16-0019	EA		1,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	8,938.09	1,548.13
23 13 23 16-0020	EA		2,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	10,763.56	2,060.37
23 13 23 16-0021	EA		3,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	16,058.47	2,120.92
23 13 23 16-0022	EA		5,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	23,252.77	2,612.76
23 13 23 16-0023	EA		8,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	31,846.05	3,004.70
23 13 23 16-0024	EA		10,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	37,903.42	3,277.86
23 13 23 16-0025	EA		12,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	43,964.26	3,605.57
23 13 23 16-0026	EA		15,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	48,671.29	4,006.26
23 13 23 16-0027	EA		20,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	60,820.44	5,150.84
23 13 23 16-0028	EA		30,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	82,903.96	6,009.30

23 13 23 19 Containment-Dike, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)

23 13 23 19-0001 Secondary Containment For Above Ground Tanks (23 13 23 19)

23 13 23 19-0002	EA		Steel Dike For 550 Gallon Tank, Uncoated.....	3,365.00	
23 13 23 19-0003	EA		Steel Dike For 1,000 Gallon Tank, Uncoated.....	4,067.42	
23 13 23 19-0004	EA		Steel Dike For 2,000 Gallon Tank, Uncoated.....	8,842.41	
23 13 23 19-0005	EA		Steel Dike For 3,000 Gallon Tank, Uncoated.....	9,691.88	
23 13 23 19-0006	EA		Steel Dike For 5,000 Gallon Tank, Uncoated.....	13,752.84	
23 13 23 19-0007	EA		Steel Dike For 6,000 Gallon Tank, Uncoated.....	15,407.28	
23 13 23 19-0008	EA		Steel Dike For 8,000 Gallon Tank, Uncoated.....	20,329.30	
23 13 23 19-0009	EA		Steel Dike For 10,000 Gallon Tank, Uncoated.....	23,864.65	
23 13 23 19-0010	EA		Steel Dike For 12,000 Gallon Tank, Uncoated.....	27,105.77	
23 13 23 19-0011	EA		Steel Dike For 15,000 Gallon Tank, Uncoated.....	33,009.51	
23 13 23 19-0012	EA		Steel Dike For 20,000 Gallon Tank, Uncoated.....	42,245.46	

23 13 23 26 Concrete-Vaulted, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)

23 13 23 26-0001 Aboveground Concrete Vaulted Storage Tanks (23 13 23 26)

Note: Includes setting in place with stand, NPT openings for an emergency vent, regular vent, gauge, fill with an internal 5 gallon minimum overflow containment, supply and return and leak detection. All tanks that are 2000 gallon and larger shall have a ladder for access. Excludes excavation, pad, pumps and piping.

23 13 23 26-0002	EA		500 Gallon Concrete Vaulted Storage Tank	18,843.37	1,247.62
			For Low Profile Tanks, Add	6,841.00	
23 13 23 26-0003	EA		1,000 Gallon Concrete Vaulted Storage Tank	23,691.41	1,408.43
			For Low Profile Tanks, Add	8,690.46	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 26-0004	EA	2,000 Gallon Concrete Vaulted Storage Tank <i>For Low Profile Tanks, Add</i>	41,827.78 <i>15,795.10</i>	1,677.03
23 13 23 26-0005	EA	4,000 Gallon Concrete Vaulted Storage Tank	66,533.46	3,688.66
23 13 23 26-0006	EA	5,000 Gallon Concrete Vaulted Storage Tank	75,954.46	4,028.63
23 13 23 26-0007	EA	6,000 Gallon Concrete Vaulted Storage Tank	85,447.60	4,350.62
23 13 23 26-0008	EA	8,000 Gallon Concrete Vaulted Storage Tank	94,921.59	4,720.99
23 13 23 26-0009	EA	10,000 Gallon Concrete Vaulted Storage Tank	104,389.65	5,025.27

23 13 33 Facility Fuel-Oil, Storage Tank Accessories (23 13)

23 13 33 00-0001		EPA Requirements <small>(23 13 33)</small>		
23 13 33 00-0002	EA	Fill Pipe Spill Containment Manhole (5 Gallon)	597.24	
23 13 33 00-0003	EA	Over-Fill Prevention Valve	1,293.87	
23 13 33 00-0004	EA	Tank Manway With Cover, Fiberglass	2,037.48	
23 13 33 00-0005	EA	Tank Manway With Cover, Steel	1,949.94	
23 13 33 00-0006	EA	Vent Fill Alarm (Whistle Vent)	101.79	
23 13 33 00-0007	EA	Reservoir Sensor, Liquid Level	258.78	
23 13 33 00-0008	EA	Manhole Spill Containment	977.83	222.43
23 13 33 00-0009	EA	Fill Adapter, 4"	241.27	148.32
23 13 33 00-0010	EA	Fill Cap, 4"	160.36	55.61
23 13 33 00-0011	EA	Vent Cap, 2"	99.10	37.10
23 13 33 00-0012	EA	4" X 2" Extractor Fitting	283.01	55.61
23 13 33 00-0013	EA	Float Vent Valve	350.20	111.22
23 13 33 00-0014	EA	Vapor Hose Adapter	286.70	74.12
23 13 33 00-0015	EA	Dust Cap	130.03	40.48
23 13 33 00-0016	EA	1" Double Poppet Foot Valve	412.61	63.53
23 13 33 00-0017	EA	10' Wood Gage Stick	19.30	
23 13 33 00-0018	EA	1-1/4" Tank Filled Breather, NPT	96.72	
23 13 33 00-0019	EA	1-1/2" Tank Filled Breather, Bayonet	127.03	
23 13 33 00-0020	EA	2" Cast Iron Combination Fill Cap And Vent	65.77	
23 13 33 00-0021	EA	3" Cast Iron Combination Fill Cap And Vent	88.08	
23 13 33 00-0022	EA	4" Cast Iron Combination Fill Cap And Vent	137.10	
23 13 33 00-0023	EA	Pressure And Vacuum Control Vent	532.97	
23 13 33 00-0024	EA	1/4 HP Fuel/Diesel Pump Set	1,132.19	
23 13 33 00-0025	EA	1/3 HP Fuel/Diesel Pump Set	1,335.09	
23 13 33 00-0026	EA	1/2 HP Fuel/Diesel Pump Set	1,457.46	
23 13 33 00-0027	EA	3/4 HP Fuel/Diesel Pump Set	1,599.44	
23 13 33 00-0028	EA	1 HP Fuel/Diesel Pump Set	2,258.88	
23 13 33 00-0029	EA	1-1/2 HP Fuel/Diesel Pump Set	2,778.22	
23 13 33 00-0030	EA	2 HP Fuel/Diesel Pump Set	3,077.43	
23 13 33 00-0031	EA	3 HP Fuel/Diesel Pump Set	3,767.87	
23 13 33 00-0032	EA	5 HP Fuel/Diesel Pump Set	4,451.22	
23 13 33 00-0033	EA	7.5 HP Fuel/Diesel Pump Set	4,982.90	
23 13 33 00-0034	EA	10 HP Fuel/Diesel Pump Set	5,748.93	

23 13 33 00-0035 Tank Bulkhead Fittings (23 13 33)

23 13 33 00-0036 Tank Bulkhead Fittings (23 13 33 00-0035)

23 13 33 00-0037		Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Socket x Threaded Connection <small>(23 13 33 00-0036)</small>	
23 13 33 00-0038	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	37.44
23 13 33 00-0039	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	41.83
23 13 33 00-0040	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	45.98
23 13 33 00-0041	EA	1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	55.31
23 13 33 00-0042	EA	1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	57.22
23 13 33 00-0043	EA	2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	74.61
23 13 33 00-0044	EA	3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	116.97
23 13 33 00-0045	EA	4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	202.86

23 13 33 00-0046 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Thread x Threaded Connection (23 13 33 00-0036)

23 13 33 00-0047	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	43.29
23 13 33 00-0048	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	47.66
23 13 33 00-0049	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	52.04
23 13 33 00-0050	EA	1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	64.73
23 13 33 00-0051	EA	1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	69.11
23 13 33 00-0052	EA	2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	85.39
23 13 33 00-0053	EA	3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	131.33
23 13 33 00-0054	EA	4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	223.27

23 13 33 00-0055 Chlorinated Polyvinyl Chloride (CPVC) Tank Bulkhead Fittings, Socket x Threaded Connection (23 13 33 00-0036)

23 13 33 00-0056	EA	1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	44.62
23 13 33 00-0057	EA	3/4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	51.49
23 13 33 00-0058	EA	1" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	58.11
23 13 33 00-0059	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	74.94

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 10 Facility Fuel Systems

23 13 Facility Fuel-Storage Tanks



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 33 00-0060 EA 2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	97.50	
23 13 33 00-0061 EA 3" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	150.86	
23 13 33 00-0062 EA 4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	235.40	
23 13 33 00-0063 Polypropylene Tank Bulkhead Fitting Thread x Threaded Connection (23 13 33 00-0036)		
23 13 33 00-0064 EA 1/2" Polypropylene Bulkhead Fitting, Thread x Thread.....	52.04	
23 13 33 00-0065 EA 3/4" Polypropylene Bulkhead Fitting, Thread x Thread.....	61.36	
23 13 33 00-0066 EA 1" Polypropylene Bulkhead Fitting, Thread x Thread.....	75.38	
23 13 33 00-0067 EA 1-1/4" Polypropylene Bulkhead Fitting, Thread x Thread.....	91.65	
23 13 33 00-0068 EA 1-1/2" Polypropylene Bulkhead Fitting, Thread x Thread.....	93.56	
23 13 33 00-0069 EA 2" Polypropylene Bulkhead Fitting, Thread x Thread.....	133.17	
23 13 33 00-0070 EA 3" Polypropylene Bulkhead Fitting, Thread x Thread.....	237.01	
23 13 33 00-0071 EA 4" Polypropylene Bulkhead Fitting, Thread x Thread.....	421.64	
23 13 33 00-0072 Polyethylene Tank Bulkhead Fittings Thread x Threaded Connection (23 13 33 00-0036)		
23 13 33 00-0073 EA 3/4" Polyethylene Bulkhead Fitting, Thread x Thread.....	46.09	
23 13 33 00-0074 EA 1" Polyethylene Bulkhead Fitting, Thread x Thread.....	59.16	
23 13 33 00-0075 EA 1-1/4" Polyethylene Bulkhead Fitting, Thread x Thread.....	61.07	
23 13 33 00-0076 EA 1-1/2" Polyethylene Bulkhead Fitting, Thread x Thread.....	62.98	
23 13 33 00-0077 EA 2" Polyethylene Bulkhead Fitting, Thread x Thread.....	87.17	
23 13 33 00-0078 EA 3" Polyethylene Bulkhead Fitting, Thread x Thread.....	109.86	
23 13 33 00-0079 TFE Teflon Tank Bulkhead Fittings, Thread x Threaded Connection (23 13 33 00-0036)		
23 13 33 00-0080 EA 1/8" TFE Teflon Bulkhead Fitting, Thread x Thread.....	192.53	
23 13 33 00-0081 EA 1/4" TFE Teflon Bulkhead Fitting, Thread x Thread.....	220.08	
23 13 33 00-0082 EA 3/8" TFE Teflon Bulkhead Fitting, Thread x Thread.....	270.37	
23 13 33 00-0083 EA 1/2" TFE Teflon Bulkhead Fitting, Thread x Thread.....	311.63	
23 13 33 00-0084 EA 3/4" TFE Teflon Bulkhead Fitting, Thread x Thread.....	359.01	
23 13 33 00-0085 EA 1" TFE Teflon Bulkhead Fitting, Thread x Thread.....	451.97	
23 13 33 00-0086 EA 1-1/2" TFE Teflon Bulkhead Fitting, Thread x Thread.....	586.89	
23 13 33 00-0087 EA 2" TFE Teflon Bulkhead Fitting, Thread x Thread.....	648.36	
23 13 33 00-0088 Self-Aligning Bulkhead Fittings (23 13 33 00-0035)		
23 13 33 00-0089 EA 3/4" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	197.60	
23 13 33 00-0090 EA 1" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	198.01	
23 13 33 00-0091 EA 1-1/2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	288.48	
23 13 33 00-0092 EA 2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	294.60	
23 13 33 00-0093 EA 3" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	396.81	

23 20 HVAC Piping And Pumps (23)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

23 21 Hydronic Piping And Pumps (23 20)

23 21 13 Hydronic Piping (23 21)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

23 21 13 23 Aboveground Hydronic Piping (23 21 13)

23 21 13 23-0001 Threaded Black Steel Pipe (23 21 13 23)

23 21 13 23-0002 Threaded Black Steel Pipe Assemblies (23 21 13 23-0001)

Note: ASTM A-53. Threaded and coupled. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.

23 21 13 23-0003	LF	1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	15.36	3.52
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	3.59	
		For Work In Restricted Working Space, Add	3.63	
23 21 13 23-0004	LF	3/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	16.55	3.78
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	3.93	
		For Work In Restricted Working Space, Add	3.80	
23 21 13 23-0005	LF	1" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	17.97	4.14
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	4.33	
		For Work In Restricted Working Space, Add	4.01	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0006 LF 1-1/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.07 5.28 4.32	4.31
23 21 13 23-0007 LF 1-1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.06 5.60 4.39	5.10
23 21 13 23-0008 LF 2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.94 6.70 4.94	6.16
23 21 13 23-0009 LF 2-1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	36.75 9.96 6.13	7.30
23 21 13 23-0010 LF 3" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	46.37 12.69 7.51	9.76
23 21 13 23-0011 LF 4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	62.62 18.29 7.97	11.04
23 21 13 23-0012 LF 5" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	99.00 30.57 9.50	14.11
23 21 13 23-0013 LF 6" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	117.13 36.43 10.76	16.68
23 21 13 23-0014 Threaded Black Steel Pipe And Fittings <small>(23 21 13 23-0001)</small> Note: ASTM A-53. Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.		
23 21 13 23-0015 Threaded And Coupled, Black Steel Piping <small>(23 21 13 23-0014)</small> Note: ASTM A-53. Includes coupling.		
23 21 13 23-0016 LF 3/8" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	5.43 0.89 1.34	2.20
23 21 13 23-0017 LF 1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	6.96 1.27 1.60	3.52
23 21 13 23-0018 LF 3/4" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	7.79 1.52 1.70	3.78
23 21 13 23-0019 LF 1" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	8.97 1.88 1.85	4.14
23 21 13 23-0020 LF 1-1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	10.30 2.35 1.96	4.31
23 21 13 23-0021 LF 1-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.17 2.80 2.30	5.10
23 21 13 23-0022 LF 2" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.18 3.59 2.78	6.16
23 21 13 23-0023 LF 2-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.35 5.31 3.30	7.30
23 21 13 23-0024 LF 3" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.91 6.98 4.40	9.76
23 21 13 23-0025 LF 4" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	34.90 9.90 4.98	11.04
23 21 13 23-0026 LF 5" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	45.44 13.06 6.34	14.11
23 21 13 23-0027 LF 6" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	57.06 16.93 7.49	16.68
23 21 13 23-0028 LF 8" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	77.75 24.43 9.05	20.16

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0029 LF 10" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	104.23 34.00 11.06	24.56
23 21 13 23-0030 LF 12" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	138.95 45.59 14.52	32.28
23 21 13 23-0031 Black Malleable Iron 90 Degree Elbows (23 21 13 23-0014)		
23 21 13 23-0032 EA 3/8", 150 LB, Black Malleable Iron 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.70 11.13 0.07 5.87	9.76
23 21 13 23-0033 EA 1/2", 150 LB, Black Malleable Iron 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.33 8.32 0.05 7.04	15.66
23 21 13 23-0034 EA 3/4", 150 LB, Black Malleable Iron 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	29.72 9.90 0.06 7.88	17.51
23 21 13 23-0035 EA 1", 150 LB, Black Malleable Iron 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.34 16.21 0.10 8.80	19.53
23 21 13 23-0036 EA 1-1/4", 150 LB, Black Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	43.12 25.82 0.16 9.96	22.17
23 21 13 23-0037 EA 1-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	50.49 33.59 0.21 11.23	24.98
23 21 13 23-0038 EA 2", 150 LB, Black Malleable Iron 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	70.07 56.92 0.36 14.26	31.76
23 21 13 23-0039 EA 2-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	120.55 124.68 0.80 21.11	46.97
23 21 13 23-0040 EA 3", 150 LB, Black Malleable Iron 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	166.04 181.84 1.18 27.78	61.75
23 21 13 23-0041 EA 4", 150 LB, Black Malleable Iron 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	254.56 384.43 2.52 29.04	64.55
23 21 13 23-0042 EA 5", 150 LB, Black Malleable Iron 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	562.00 1,112.44 7.38 30.30	67.37
23 21 13 23-0043 EA 6", 150 LB, Black Malleable Iron 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	638.11 1,284.36 8.52 31.68	70.44
23 21 13 23-0044 Black Malleable Iron Reducing 90 Degree Elbows (23 21 13 23-0014)		
23 21 13 23-0045 EA 1/2" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.96 14.42 0.09 6.45	14.34
23 21 13 23-0046 EA 3/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.48 15.00 0.09 7.46	16.53
23 21 13 23-0047 EA 3/4" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.77 20.26 0.13 6.87	15.30
23 21 13 23-0048 EA 1" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.03 19.04 0.12 8.34	18.55
23 21 13 23-0049 EA 1" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	34.20 20.33 0.12 7.92	17.59
23 21 13 23-0050 EA 1" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.80 38.35 0.25 7.33	16.27



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0051 EA 1-1/4" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	43.41	20.85
<i>For 300 LB Rating, Add</i>	31.06	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.19	
<i>For Work In Restricted Working Space, Add</i>	9.38	
23 21 13 23-0052 EA 1-1/4" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	43.29	19.79
<i>For 300 LB Rating, Add</i>	34.35	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.22	
<i>For Work In Restricted Working Space, Add</i>	8.92	
23 21 13 23-0053 EA 1-1/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	44.17	18.91
<i>For 300 LB Rating, Add</i>	39.74	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.25	
<i>For Work In Restricted Working Space, Add</i>	8.50	
23 21 13 23-0054 EA 1-1/2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	52.47	23.57
<i>For 300 LB Rating, Add</i>	43.30	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.27	
<i>For Work In Restricted Working Space, Add</i>	10.59	
23 21 13 23-0055 EA 1-1/2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	50.53	22.26
<i>For 300 LB Rating, Add</i>	43.19	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.27	
<i>For Work In Restricted Working Space, Add</i>	10.01	
23 21 13 23-0056 EA 1-1/2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	51.48	21.20
<i>For 300 LB Rating, Add</i>	49.05	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.31	
<i>For Work In Restricted Working Space, Add</i>	9.55	
23 21 13 23-0057 EA 2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	67.34	28.32
<i>For 300 LB Rating, Add</i>	62.21	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.40	
<i>For Work In Restricted Working Space, Add</i>	12.74	
23 21 13 23-0058 EA 2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	68.62	26.92
<i>For 300 LB Rating, Add</i>	70.22	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.45	
<i>For Work In Restricted Working Space, Add</i>	12.11	
23 21 13 23-0059 EA 2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	66.68	25.60
<i>For 300 LB Rating, Add</i>	70.11	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.45	
<i>For Work In Restricted Working Space, Add</i>	11.53	
23 21 13 23-0060 EA 2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	66.85	24.63
<i>For 300 LB Rating, Add</i>	74.09	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.48	
<i>For Work In Restricted Working Space, Add</i>	11.07	
23 21 13 23-0061 EA 2-1/2" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	127.18	39.32
<i>For 300 LB Rating, Add</i>	167.27	
<i>For Standard Weight Cast Iron Fittings, Add</i>	1.09	
<i>For Work In Restricted Working Space, Add</i>	17.69	
23 21 13 23-0062 EA 2-1/2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	126.14	35.97
<i>For 300 LB Rating, Add</i>	176.61	
<i>For Standard Weight Cast Iron Fittings, Add</i>	1.16	
<i>For Work In Restricted Working Space, Add</i>	16.17	
23 21 13 23-0063 EA 3" x 2-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	209.15	54.35
<i>For 300 LB Rating, Add</i>	311.32	
<i>For Standard Weight Cast Iron Fittings, Add</i>	2.04	
<i>For Work In Restricted Working Space, Add</i>	24.44	
23 21 13 23-0064 EA 3" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	180.36	46.71
<i>For 300 LB Rating, Add</i>	268.90	
<i>For Standard Weight Cast Iron Fittings, Add</i>	1.76	
<i>For Work In Restricted Working Space, Add</i>	21.02	
23 21 13 23-0065 EA 4" x 3", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	310.27	61.40
<i>For 300 LB Rating, Add</i>	529.20	
<i>For Standard Weight Cast Iron Fittings, Add</i>	3.49	
<i>For Work In Restricted Working Space, Add</i>	27.62	
23 21 13 23-0066 Black Malleable Iron 45 Degree Elbows <small>(23 21 13 23-0014)</small>	25.80	
23 21 13 23-0067 EA 3/8", 150 LB, Black Malleable Iron 45 Degree Elbow	9.76	9.76
<i>For 300 LB Rating, Add</i>	16.17	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.10	
<i>For Work In Restricted Working Space, Add</i>	5.87	
23 21 13 23-0068 EA 1/2", 150 LB, Black Malleable Iron 45 Degree Elbow	28.20	15.66
<i>For 300 LB Rating, Add</i>	12.81	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.08	
<i>For Work In Restricted Working Space, Add</i>	7.04	
23 21 13 23-0069 EA 3/4", 150 LB, Black Malleable Iron 45 Degree Elbow	32.12	17.51
<i>For 300 LB Rating, Add</i>	15.66	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.09	
<i>For Work In Restricted Working Space, Add</i>	7.88	
23 21 13 23-0070 EA 1", 150 LB, Black Malleable Iron 45 Degree Elbow	36.71	19.53
<i>For 300 LB Rating, Add</i>	19.50	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.12	
<i>For Work In Restricted Working Space, Add</i>	8.80	
23 21 13 23-0071 EA 1-1/4", 150 LB, Black Malleable Iron 45 Degree Elbow	46.27	22.17
<i>For 300 LB Rating, Add</i>	33.38	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.21	
<i>For Work In Restricted Working Space, Add</i>	9.96	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0072	EA	1-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	53.61 41.08 0.26 11.23	24.98
23 21	13 23-0073	EA	2", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	72.00 61.56 0.39 14.26	31.76
23 21	13 23-0074	EA	2-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	141.13 174.07 1.13 21.11	46.97
23 21	13 23-0075	EA	3", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	184.52 226.19 1.47 27.78	61.75
23 21	13 23-0076	EA	4", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	277.07 438.46 2.88 29.04	64.55
23 21	13 23-0077	EA	5", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	813.09 1,715.05 11.39 30.30	67.37
23 21	13 23-0078	EA	6", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	834.13 1,754.81 11.66 31.68	70.44
23 21	13 23-0079		Black Malleable Iron Tees (23 21 13 23-0014)		
23 21	13 23-0080	EA	3/8", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.45 15.91 0.10 7.33	12.23
23 21	13 23-0081	EA	1/2", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.17 11.00 0.06 8.80	19.53
23 21	13 23-0082	EA	3/4", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.34 15.25 0.09 10.15	22.61
23 21	13 23-0083	EA	1", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	49.44 25.08 0.15 12.00	26.65
23 21	13 23-0084	EA	1-1/4", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	62.83 39.55 0.24 14.26	31.76
23 21	13 23-0085	EA	1-1/2", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	75.77 49.05 0.30 17.03	37.82
23 21	13 23-0086	EA	2", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	102.78 82.03 0.52 21.11	46.97
23 21	13 23-0087	EA	2-1/2", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	162.48 173.29 1.12 27.78	61.75
23 21	13 23-0088	EA	3", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	212.90 253.68 1.65 32.99	73.36
23 21	13 23-0089	EA	4", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	371.10 604.53 3.98 36.68	81.56
23 21	13 23-0090	EA	5", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	899.23 1,818.38 12.06 43.56	96.83
23 21	13 23-0091	EA	6", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	975.14 1,952.06 12.95 49.78	110.68
23 21	13 23-0092		Black Malleable Iron Reducing Tees (23 21 13 23-0014)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0093 EA 1/2", 150 LB, Black Malleable Iron Reducing Tee.....	35.86	19.53
<i>For 300 LB Rating, Add</i>	17.46	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.10	
<i>For Work In Restricted Working Space, Add</i>	8.80	
23 21 13 23-0094 EA 3/4", 150 LB, Black Malleable Iron Reducing Tee.....	42.36	22.61
<i>For 300 LB Rating, Add</i>	22.50	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.14	
<i>For Work In Restricted Working Space, Add</i>	10.15	
23 21 13 23-0095 EA 1", 150 LB, Black Malleable Iron Reducing Tee.....	50.75	26.65
<i>For 300 LB Rating, Add</i>	28.22	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.17	
<i>For Work In Restricted Working Space, Add</i>	12.00	
23 21 13 23-0096 EA 1-1/4", 150 LB, Black Malleable Iron Reducing Tee.....	68.69	31.76
<i>For 300 LB Rating, Add</i>	53.61	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.34	
<i>For Work In Restricted Working Space, Add</i>	14.26	
23 21 13 23-0097 EA 1-1/2", 150 LB, Black Malleable Iron Reducing Tee.....	80.19	37.82
<i>For 300 LB Rating, Add</i>	59.66	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.38	
<i>For Work In Restricted Working Space, Add</i>	17.03	
23 21 13 23-0098 EA 2", 150 LB, Black Malleable Iron Reducing Tee.....	104.38	46.97
<i>For 300 LB Rating, Add</i>	85.87	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.54	
<i>For Work In Restricted Working Space, Add</i>	21.11	
23 21 13 23-0099 EA 2-1/2", 150 LB, Black Malleable Iron Reducing Tee.....	198.61	61.75
<i>For 300 LB Rating, Add</i>	260.00	
<i>For Standard Weight Cast Iron Fittings, Add</i>	1.70	
<i>For Work In Restricted Working Space, Add</i>	27.78	
23 21 13 23-0100 EA 3", 150 LB, Black Malleable Iron Reducing Tee.....	231.38	73.36
<i>For 300 LB Rating, Add</i>	298.03	
<i>For Standard Weight Cast Iron Fittings, Add</i>	1.94	
<i>For Work In Restricted Working Space, Add</i>	32.99	
23 21 13 23-0101 EA 4", 150 LB, Black Malleable Iron Reducing Tee.....	416.76	81.56
<i>For 300 LB Rating, Add</i>	714.11	
<i>For Standard Weight Cast Iron Fittings, Add</i>	4.71	
<i>For Work In Restricted Working Space, Add</i>	36.68	
23 21 13 23-0102 EA 5", 150 LB, Black Malleable Iron Reducing Tee.....	828.27	96.83
<i>For 300 LB Rating, Add</i>	1,648.08	
<i>For Standard Weight Cast Iron Fittings, Add</i>	10.93	
<i>For Work In Restricted Working Space, Add</i>	43.56	
23 21 13 23-0103 EA 6", 150 LB, Black Malleable Iron Reducing Tee.....	940.69	110.68
<i>For 300 LB Rating, Add</i>	1,869.38	
<i>For Standard Weight Cast Iron Fittings, Add</i>	12.40	
<i>For Work In Restricted Working Space, Add</i>	49.78	
23 21 13 23-0104 Black Malleable Iron Couplings (23 21 13 23-0014)		
23 21 13 23-0105 EA 3/8", 150 LB, Black Malleable Iron Coupling.....	24.71	9.76
<i>For 300 LB Rating, Add</i>	13.56	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.08	
<i>For Work In Restricted Working Space, Add</i>	5.87	
23 21 13 23-0106 EA 1/2", 150 LB, Black Malleable Iron Coupling.....	27.42	15.66
<i>For 300 LB Rating, Add</i>	10.94	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.06	
<i>For Work In Restricted Working Space, Add</i>	7.04	
23 21 13 23-0107 EA 3/4", 150 LB, Black Malleable Iron Coupling.....	30.90	17.51
<i>For 300 LB Rating, Add</i>	12.74	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.07	
<i>For Work In Restricted Working Space, Add</i>	7.88	
23 21 13 23-0108 EA 1", 150 LB, Black Malleable Iron Coupling.....	36.29	19.53
<i>For 300 LB Rating, Add</i>	18.49	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.11	
<i>For Work In Restricted Working Space, Add</i>	8.80	
23 21 13 23-0109 EA 1-1/4", 150 LB, Black Malleable Iron Coupling.....	42.22	22.17
<i>For 300 LB Rating, Add</i>	23.66	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.14	
<i>For Work In Restricted Working Space, Add</i>	9.96	
23 21 13 23-0110 EA 1-1/2", 150 LB, Black Malleable Iron Coupling.....	49.62	24.98
<i>For 300 LB Rating, Add</i>	31.50	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.20	
<i>For Work In Restricted Working Space, Add</i>	11.23	
23 21 13 23-0111 EA 2", 150 LB, Black Malleable Iron Coupling.....	65.61	31.76
<i>For 300 LB Rating, Add</i>	46.22	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.29	
<i>For Work In Restricted Working Space, Add</i>	14.26	
23 21 13 23-0112 EA 2-1/2", 150 LB, Black Malleable Iron Coupling.....	120.23	46.97
<i>For 300 LB Rating, Add</i>	123.91	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.80	
<i>For Work In Restricted Working Space, Add</i>	21.11	
23 21 13 23-0113 EA 3", 150 LB, Black Malleable Iron Coupling.....	160.01	61.75
<i>For 300 LB Rating, Add</i>	167.36	
<i>For Standard Weight Cast Iron Fittings, Add</i>	1.08	
<i>For Work In Restricted Working Space, Add</i>	27.78	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0114 EA 4", 150 LB, Black Malleable Iron Coupling.....	232.59	64.55
For 300 LB Rating, Add	331.70	
For Standard Weight Cast Iron Fittings, Add	2.17	
For Work In Restricted Working Space, Add	29.04	
23 21 13 23-0115 EA 5", 150 LB, Black Malleable Iron Coupling.....	483.36	67.37
For 300 LB Rating, Add	923.70	
For Standard Weight Cast Iron Fittings, Add	6.12	
For Work In Restricted Working Space, Add	30.30	
23 21 13 23-0116 EA 6", 150 LB, Black Malleable Iron Coupling.....	541.19	70.44
For 300 LB Rating, Add	1,051.75	
For Standard Weight Cast Iron Fittings, Add	6.97	
For Work In Restricted Working Space, Add	31.68	
23 21 13 23-0117 Black Malleable Iron Reducing Couplings (23 21 13 23-0014)		
23 21 13 23-0118 EA 1/2", 150 LB, Black Malleable Iron Reducing Coupling.....	28.38	15.66
For 300 LB Rating, Add	13.24	
For Standard Weight Cast Iron Fittings, Add	0.08	
For Work In Restricted Working Space, Add	7.04	
23 21 13 23-0119 EA 3/4", 150 LB, Black Malleable Iron Reducing Coupling.....	31.47	17.51
For 300 LB Rating, Add	14.10	
For Standard Weight Cast Iron Fittings, Add	0.08	
For Work In Restricted Working Space, Add	7.88	
23 21 13 23-0120 EA 1", 150 LB, Black Malleable Iron Reducing Coupling.....	37.45	19.53
For 300 LB Rating, Add	21.27	
For Standard Weight Cast Iron Fittings, Add	0.13	
For Work In Restricted Working Space, Add	8.80	
23 21 13 23-0121 EA 1-1/4", 150 LB, Black Malleable Iron Reducing Coupling.....	43.65	22.17
For 300 LB Rating, Add	27.10	
For Standard Weight Cast Iron Fittings, Add	0.17	
For Work In Restricted Working Space, Add	9.96	
23 21 13 23-0122 EA 1-1/2", 150 LB, Black Malleable Iron Reducing Coupling.....	50.65	24.98
For 300 LB Rating, Add	33.97	
For Standard Weight Cast Iron Fittings, Add	0.21	
For Work In Restricted Working Space, Add	11.23	
23 21 13 23-0123 EA 2", 150 LB, Black Malleable Iron Reducing Coupling.....	66.69	31.76
For 300 LB Rating, Add	48.81	
For Standard Weight Cast Iron Fittings, Add	0.31	
For Work In Restricted Working Space, Add	14.26	
23 21 13 23-0124 EA 2-1/2", 150 LB, Black Malleable Iron Reducing Coupling.....	126.96	46.97
For 300 LB Rating, Add	140.06	
For Standard Weight Cast Iron Fittings, Add	0.91	
For Work In Restricted Working Space, Add	21.11	
23 21 13 23-0125 EA 3", 150 LB, Black Malleable Iron Reducing Coupling.....	161.39	61.75
For 300 LB Rating, Add	170.68	
For Standard Weight Cast Iron Fittings, Add	1.10	
For Work In Restricted Working Space, Add	27.78	
23 21 13 23-0126 EA 4", 150 LB, Black Malleable Iron Reducing Coupling.....	234.71	64.55
For 300 LB Rating, Add	336.79	
For Standard Weight Cast Iron Fittings, Add	2.21	
For Work In Restricted Working Space, Add	29.04	
23 21 13 23-0127 EA 5", 150 LB, Black Malleable Iron Reducing Coupling.....	410.98	67.37
For 300 LB Rating, Add	749.99	
For Standard Weight Cast Iron Fittings, Add	4.96	
For Work In Restricted Working Space, Add	30.30	
23 21 13 23-0128 EA 6", 150 LB, Black Malleable Iron Reducing Coupling.....	503.73	70.44
For 300 LB Rating, Add	961.85	
For Standard Weight Cast Iron Fittings, Add	6.37	
For Work In Restricted Working Space, Add	31.68	
23 21 13 23-0129 Black Malleable Iron Caps (23 21 13 23-0014)		
23 21 13 23-0130 EA 1/2", 150 LB, Black Malleable Iron Cap.....	13.91	7.30
For 300 LB Rating, Add	7.64	
For Standard Weight Cast Iron Fittings, Add	0.05	
For Work In Restricted Working Space, Add	3.30	
23 21 13 23-0131 EA 3/4", 150 LB, Black Malleable Iron Cap.....	15.66	7.83
For 300 LB Rating, Add	10.14	
For Standard Weight Cast Iron Fittings, Add	0.06	
For Work In Restricted Working Space, Add	3.52	
23 21 13 23-0132 EA 1", 150 LB, Black Malleable Iron Cap.....	18.29	9.06
For 300 LB Rating, Add	12.24	
For Standard Weight Cast Iron Fittings, Add	0.08	
For Work In Restricted Working Space, Add	4.06	
23 21 13 23-0133 EA 1-1/4", 150 LB, Black Malleable Iron Cap.....	20.93	9.76
For 300 LB Rating, Add	15.93	
For Standard Weight Cast Iron Fittings, Add	0.10	
For Work In Restricted Working Space, Add	4.40	
23 21 13 23-0134 EA 1-1/2", 150 LB, Black Malleable Iron Cap.....	23.28	9.76
For 300 LB Rating, Add	21.57	
For Standard Weight Cast Iron Fittings, Add	0.14	
For Work In Restricted Working Space, Add	4.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0135 EA 2", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	31.50 31.33 0.20 5.68	12.58
23 21 13 23-0136 EA 2-1/2", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	52.32 70.70 0.46 7.04	15.66
23 21 13 23-0137 EA 3", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	70.94 103.87 0.68 8.51	18.91
23 21 13 23-0138 EA 4", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	106.17 177.17 1.17 9.95	22.16
23 21 13 23-0139 EA 5", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	215.45 420.02 2.78 12.44	27.71
23 21 13 23-0140 EA 6", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	368.33 768.33 5.10 14.83	32.94
23 21 13 23-0141 Black Malleable Iron Unions <small>(23 21 13 23-0014)</small>		
23 21 13 23-0142 EA 3/8", 150 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	33.49 5.87	9.76
23 21 13 23-0143 EA 1/2", 150 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	41.93 8.80	19.53
23 21 13 23-0144 EA 3/4", 150 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	48.33 10.15	22.61
23 21 13 23-0145 EA 1", 150 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	58.89 12.00	26.65
23 21 13 23-0146 EA 1-1/4", 150 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	74.65 14.26	31.76
23 21 13 23-0147 EA 1-1/2", 150 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	90.55 17.03	37.82
23 21 13 23-0148 EA 2", 150 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	109.66 21.11	46.97
23 21 13 23-0149 EA 2-1/2", 150 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	220.97 31.16	69.23
23 21 13 23-0150 EA 3", 150 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	277.64 41.00	91.04
23 21 13 23-0151 EA 3/8", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	37.96 5.86	9.76
23 21 13 23-0152 EA 1/2", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	50.45 8.80	19.53
23 21 13 23-0153 EA 3/4", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	54.62 10.15	22.61
23 21 13 23-0154 EA 1", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	65.49 11.99	26.65
23 21 13 23-0155 EA 1-1/4", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	90.33 14.26	31.76
23 21 13 23-0156 EA 1-1/2", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	106.02 17.03	37.82
23 21 13 23-0157 EA 2", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	133.56 21.11	46.97
23 21 13 23-0158 EA 2-1/2", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	301.99 31.16	69.23
23 21 13 23-0159 EA 3", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	368.53 41.00	91.04
23 21 13 23-0160 EA 4", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	553.85 42.87	95.25
23 21 13 23-0161 EA 3/8", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	49.43 5.86	9.76
23 21 13 23-0162 EA 1/2", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	53.50 8.80	19.53
23 21 13 23-0163 EA 3/4", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	60.61 10.15	22.61
23 21 13 23-0164 EA 1", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	74.94 11.99	26.65
23 21 13 23-0165 EA 1-1/4", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	104.56 14.26	31.76
23 21 13 23-0166 EA 1-1/2", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	116.46 17.03	37.82
23 21 13 23-0167 EA 2", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	144.32 21.11	46.97
23 21 13 23-0168 EA 2-1/2", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	342.34 31.16	69.23
23 21 13 23-0169 EA 3", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	445.18 41.00	91.04
23 21 13 23-0170 EA 4", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	1,122.03 42.87	95.25

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0171		Black Steel Nipples <small>(23 21 13 23-0014)</small>		
	23 21	13 23-0172	EA 3/8" x Close, Schedule 40 Black Steel Nipple.....	13.75	8.35
			<i>For Schedule 80 Nipples, Add</i>	0.59	
			<i>For Work In Restricted Working Space, Add</i>	3.77	
	23 21	13 23-0173	EA 1/2" x Close, Schedule 40 Black Steel Nipple.....	13.56	8.35
			<i>For Schedule 80 Nipples, Add</i>	0.50	
			<i>For Work In Restricted Working Space, Add</i>	3.77	
	23 21	13 23-0174	EA 3/4" x Close, Schedule 40 Black Steel Nipple.....	13.71	8.35
			<i>For Schedule 80 Nipples, Add</i>	0.57	
			<i>For Work In Restricted Working Space, Add</i>	3.77	
	23 21	13 23-0175	EA 1" x Close, Schedule 40 Black Steel Nipple.....	15.18	9.06
			<i>For Schedule 80 Nipples, Add</i>	0.83	
			<i>For Work In Restricted Working Space, Add</i>	4.06	
	23 21	13 23-0176	EA 1-1/4" x Close, Schedule 40 Black Steel Nipple.....	16.75	9.76
			<i>For Schedule 80 Nipples, Add</i>	1.05	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
	23 21	13 23-0177	EA 1-1/2" x Close, Schedule 40 Black Steel Nipple.....	17.27	9.76
			<i>For Schedule 80 Nipples, Add</i>	1.31	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
	23 21	13 23-0178	EA 2" x Close, Schedule 40 Black Steel Nipple.....	22.47	12.58
			<i>For Schedule 80 Nipples, Add</i>	1.78	
			<i>For Work In Restricted Working Space, Add</i>	5.68	
	23 21	13 23-0179	EA 2-1/2" x Close, Schedule 40 Black Steel Nipple.....	34.57	15.66
			<i>For Schedule 80 Nipples, Add</i>	5.56	
			<i>For Work In Restricted Working Space, Add</i>	7.04	
	23 21	13 23-0180	EA 3" x Close, Schedule 40 Black Steel Nipple.....	41.58	18.91
			<i>For Schedule 80 Nipples, Add</i>	6.61	
			<i>For Work In Restricted Working Space, Add</i>	8.51	
	23 21	13 23-0181	EA 4" x Close, Schedule 40 Black Steel Nipple.....	53.07	22.16
			<i>For Schedule 80 Nipples, Add</i>	9.95	
			<i>For Work In Restricted Working Space, Add</i>	9.95	
	23 21	13 23-0182	EA 3/8" x 1-1/2" Long, Schedule 40 Black Steel Nipple.....	13.90	8.35
			<i>For Schedule 80 Nipples, Add</i>	0.67	
			<i>For Work In Restricted Working Space, Add</i>	3.77	
	23 21	13 23-0183	EA 1/2" x 1-1/2" Long, Schedule 40 Black Steel Nipple.....	13.56	8.35
			<i>For Schedule 80 Nipples, Add</i>	0.50	
			<i>For Work In Restricted Working Space, Add</i>	3.77	
	23 21	13 23-0184	EA 3/4" x 1-1/2" Long, Schedule 40 Black Steel Nipple.....	13.79	8.35
			<i>For Schedule 80 Nipples, Add</i>	0.61	
			<i>For Work In Restricted Working Space, Add</i>	3.77	
	23 21	13 23-0185	EA 3/8" x 2" Long, Schedule 40 Black Steel Nipple.....	13.90	8.35
			<i>For Schedule 80 Nipples, Add</i>	0.67	
			<i>For Work In Restricted Working Space, Add</i>	3.77	
	23 21	13 23-0186	EA 1/2" x 2" Long, Schedule 40 Black Steel Nipple.....	13.56	8.35
			<i>For Schedule 80 Nipples, Add</i>	0.50	
			<i>For Work In Restricted Working Space, Add</i>	3.77	
	23 21	13 23-0187	EA 3/4" x 2" Long, Schedule 40 Black Steel Nipple.....	13.79	8.35
			<i>For Schedule 80 Nipples, Add</i>	0.61	
			<i>For Work In Restricted Working Space, Add</i>	3.77	
	23 21	13 23-0188	EA 1" x 2" Long, Schedule 40 Black Steel Nipple.....	15.34	9.06
			<i>For Schedule 80 Nipples, Add</i>	0.91	
			<i>For Work In Restricted Working Space, Add</i>	4.06	
	23 21	13 23-0189	EA 1-1/4" x 2" Long, Schedule 40 Black Steel Nipple.....	17.03	9.76
			<i>For Schedule 80 Nipples, Add</i>	1.19	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
	23 21	13 23-0190	EA 1-1/2" x 2" Long, Schedule 40 Black Steel Nipple.....	17.48	9.76
			<i>For Schedule 80 Nipples, Add</i>	1.41	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
	23 21	13 23-0191	EA 3/8" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	14.28	8.35
			<i>For Schedule 80 Nipples, Add</i>	0.86	
			<i>For Work In Restricted Working Space, Add</i>	3.77	
	23 21	13 23-0192	EA 1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	13.75	8.35
			<i>For Schedule 80 Nipples, Add</i>	0.59	
			<i>For Work In Restricted Working Space, Add</i>	3.77	
	23 21	13 23-0193	EA 3/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	13.95	8.35
			<i>For Schedule 80 Nipples, Add</i>	0.69	
			<i>For Work In Restricted Working Space, Add</i>	3.77	
	23 21	13 23-0194	EA 1" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	15.45	9.06
			<i>For Schedule 80 Nipples, Add</i>	0.96	
			<i>For Work In Restricted Working Space, Add</i>	4.06	
	23 21	13 23-0195	EA 1-1/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	17.18	9.76
			<i>For Schedule 80 Nipples, Add</i>	1.26	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
	23 21	13 23-0196	EA 1-1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	17.81	9.76
			<i>For Schedule 80 Nipples, Add</i>	1.58	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
	23 21	13 23-0197	EA 2" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	23.00	12.58
			<i>For Schedule 80 Nipples, Add</i>	2.04	
			<i>For Work In Restricted Working Space, Add</i>	5.68	
	23 21	13 23-0198	EA 3/8" x 3" Long, Schedule 40 Black Steel Nipple.....	14.28	8.35
			<i>For Schedule 80 Nipples, Add</i>	0.86	
			<i>For Work In Restricted Working Space, Add</i>	3.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0199 EA 1/2" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	13.75 0.59 3.77	8.35
23 21 13 23-0200 EA 3/4" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	13.95 0.69 3.77	8.35
23 21 13 23-0201 EA 1" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.45 0.96 4.06	9.06
23 21 13 23-0202 EA 1-1/4" x 3" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.18 1.26 4.40	9.76
23 21 13 23-0203 EA 1-1/2" x 3" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.81 1.58 4.40	9.76
23 21 13 23-0204 EA 2" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.00 2.04 5.68	12.58
23 21 13 23-0205 EA 2-1/2" x 3" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	34.86 5.71 7.04	15.66
23 21 13 23-0206 EA 3" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	42.73 7.18 8.51	18.91
23 21 13 23-0207 EA 3/8" x 3-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.59 1.01 3.77	8.35
23 21 13 23-0208 EA 1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	13.98 0.71 3.77	8.35
23 21 13 23-0209 EA 3/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.28 0.86 3.77	8.35
23 21 13 23-0210 EA 1" x 3-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.90 1.19 4.06	9.06
23 21 13 23-0211 EA 1-1/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.65 1.50 4.40	9.76
23 21 13 23-0212 EA 1-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.19 1.77 4.40	9.76
23 21 13 23-0213 EA 2" x 3-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.85 2.47 5.68	12.58
23 21 13 23-0214 EA 2-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	36.87 6.71 7.04	15.66
23 21 13 23-0215 EA 3" x 3-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	45.37 8.50 8.51	18.91
23 21 13 23-0216 EA 3/8" x 4" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.59 1.01 3.77	8.35
23 21 13 23-0217 EA 1/2" x 4" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	13.98 0.71 3.77	8.35
23 21 13 23-0218 EA 3/4" x 4" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.28 0.86 3.77	8.35
23 21 13 23-0219 EA 1" x 4" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.90 1.19 4.06	9.06
23 21 13 23-0220 EA 1-1/4" x 4" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.65 1.50 4.40	9.76
23 21 13 23-0221 EA 1-1/2" x 4" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.19 1.77 4.40	9.76
23 21 13 23-0222 EA 2" x 4" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.85 2.47 5.68	12.58
23 21 13 23-0223 EA 2-1/2" x 4" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	36.87 6.71 7.04	15.66
23 21 13 23-0224 EA 3" x 4" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	45.37 8.50 8.51	18.91
23 21 13 23-0225 EA 4" x 4" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	56.19 11.51 9.95	22.16
23 21 13 23-0226 EA 3/8" x 4-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.48 1.46 3.77	8.35

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0227	EA	1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	14.22	8.35
			<i>For Schedule 80 Nipples, Add</i>	0.83	
			<i>For Work In Restricted Working Space, Add</i>	3.77	
23 21	13 23-0228	EA	3/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	14.72	8.35
			<i>For Schedule 80 Nipples, Add</i>	1.08	
			<i>For Work In Restricted Working Space, Add</i>	3.77	
23 21	13 23-0229	EA	1" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	16.35	9.06
			<i>For Schedule 80 Nipples, Add</i>	1.41	
			<i>For Work In Restricted Working Space, Add</i>	4.06	
23 21	13 23-0230	EA	1-1/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	18.23	9.76
			<i>For Schedule 80 Nipples, Add</i>	1.79	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
23 21	13 23-0231	EA	1-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	18.97	9.76
			<i>For Schedule 80 Nipples, Add</i>	2.16	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
23 21	13 23-0232	EA	2" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	24.60	12.58
			<i>For Schedule 80 Nipples, Add</i>	2.84	
			<i>For Work In Restricted Working Space, Add</i>	5.68	
23 21	13 23-0233	EA	2-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	38.19	15.66
			<i>For Schedule 80 Nipples, Add</i>	7.37	
			<i>For Work In Restricted Working Space, Add</i>	7.04	
23 21	13 23-0234	EA	3" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	47.12	18.91
			<i>For Schedule 80 Nipples, Add</i>	9.38	
			<i>For Work In Restricted Working Space, Add</i>	8.51	
23 21	13 23-0235	EA	4" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	59.48	22.16
			<i>For Schedule 80 Nipples, Add</i>	13.15	
			<i>For Work In Restricted Working Space, Add</i>	9.95	
23 21	13 23-0236	EA	3/8" x 5" Long, Schedule 40 Black Steel Nipple.....	15.48	8.35
			<i>For Schedule 80 Nipples, Add</i>	1.46	
			<i>For Work In Restricted Working Space, Add</i>	3.77	
23 21	13 23-0237	EA	1/2" x 5" Long, Schedule 40 Black Steel Nipple.....	14.22	8.35
			<i>For Schedule 80 Nipples, Add</i>	0.83	
			<i>For Work In Restricted Working Space, Add</i>	3.77	
23 21	13 23-0238	EA	3/4" x 5" Long, Schedule 40 Black Steel Nipple.....	14.72	8.35
			<i>For Schedule 80 Nipples, Add</i>	1.08	
			<i>For Work In Restricted Working Space, Add</i>	3.77	
23 21	13 23-0239	EA	1" x 5" Long, Schedule 40 Black Steel Nipple.....	16.35	9.06
			<i>For Schedule 80 Nipples, Add</i>	1.41	
			<i>For Work In Restricted Working Space, Add</i>	4.06	
23 21	13 23-0240	EA	1-1/4" x 5" Long, Schedule 40 Black Steel Nipple.....	18.23	9.76
			<i>For Schedule 80 Nipples, Add</i>	1.79	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
23 21	13 23-0241	EA	1-1/2" x 5" Long, Schedule 40 Black Steel Nipple.....	18.97	9.76
			<i>For Schedule 80 Nipples, Add</i>	2.16	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
23 21	13 23-0242	EA	2" x 5" Long, Schedule 40 Black Steel Nipple.....	24.60	12.58
			<i>For Schedule 80 Nipples, Add</i>	2.84	
			<i>For Work In Restricted Working Space, Add</i>	5.68	
23 21	13 23-0243	EA	2-1/2" x 5" Long, Schedule 40 Black Steel Nipple.....	38.19	15.66
			<i>For Schedule 80 Nipples, Add</i>	7.37	
			<i>For Work In Restricted Working Space, Add</i>	7.04	
23 21	13 23-0244	EA	3" x 5" Long, Schedule 40 Black Steel Nipple.....	47.12	18.91
			<i>For Schedule 80 Nipples, Add</i>	9.38	
			<i>For Work In Restricted Working Space, Add</i>	8.51	
23 21	13 23-0245	EA	4" x 5" Long, Schedule 40 Black Steel Nipple.....	59.48	22.16
			<i>For Schedule 80 Nipples, Add</i>	13.15	
			<i>For Work In Restricted Working Space, Add</i>	9.95	
23 21	13 23-0246	EA	3/8" x 6" Long, Schedule 40 Black Steel Nipple.....	15.81	8.35
			<i>For Schedule 80 Nipples, Add</i>	1.62	
			<i>For Work In Restricted Working Space, Add</i>	3.77	
23 21	13 23-0247	EA	1/2" x 6" Long, Schedule 40 Black Steel Nipple.....	14.42	8.35
			<i>For Schedule 80 Nipples, Add</i>	0.93	
			<i>For Work In Restricted Working Space, Add</i>	3.77	
23 21	13 23-0248	EA	3/4" x 6" Long, Schedule 40 Black Steel Nipple.....	15.02	8.35
			<i>For Schedule 80 Nipples, Add</i>	1.23	
			<i>For Work In Restricted Working Space, Add</i>	3.77	
23 21	13 23-0249	EA	1" x 6" Long, Schedule 40 Black Steel Nipple.....	16.86	9.06
			<i>For Schedule 80 Nipples, Add</i>	1.67	
			<i>For Work In Restricted Working Space, Add</i>	4.06	
23 21	13 23-0250	EA	1-1/4" x 6" Long, Schedule 40 Black Steel Nipple.....	18.90	9.76
			<i>For Schedule 80 Nipples, Add</i>	2.12	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
23 21	13 23-0251	EA	1-1/2" x 6" Long, Schedule 40 Black Steel Nipple.....	19.61	9.76
			<i>For Schedule 80 Nipples, Add</i>	2.48	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
23 21	13 23-0252	EA	2" x 6" Long, Schedule 40 Black Steel Nipple.....	25.58	12.58
			<i>For Schedule 80 Nipples, Add</i>	3.33	
			<i>For Work In Restricted Working Space, Add</i>	5.68	
23 21	13 23-0253	EA	2-1/2" x 6" Long, Schedule 40 Black Steel Nipple.....	38.81	15.66
			<i>For Schedule 80 Nipples, Add</i>	7.68	
			<i>For Work In Restricted Working Space, Add</i>	7.04	
23 21	13 23-0254	EA	3" x 6" Long, Schedule 40 Black Steel Nipple.....	48.75	18.91
			<i>For Schedule 80 Nipples, Add</i>	10.19	
			<i>For Work In Restricted Working Space, Add</i>	8.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0255 EA 4" x 6" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	61.29 14.06 9.95	22.16
23 21 13 23-0256 EA 3/8" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.26 2.85 3.77	8.35
23 21 13 23-0257 EA 1/2" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.90 1.67 3.77	8.35
23 21 13 23-0258 EA 3/4" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.65 2.04 3.77	8.35
23 21 13 23-0259 EA 1" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.98 2.73 4.06	9.06
23 21 13 23-0260 EA 1-1/4" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.50 3.42 4.40	9.76
23 21 13 23-0261 EA 1-1/2" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.51 3.93 4.40	9.76
23 21 13 23-0262 EA 2" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.08 5.58 5.68	12.58
23 21 13 23-0263 EA 2-1/2" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	43.00 9.78 7.04	15.66
23 21 13 23-0264 EA 3" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	55.87 13.75 8.51	18.91
23 21 13 23-0265 EA 4" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	65.62 16.22 9.95	22.16
23 21 13 23-0266 EA 3/8" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.96 3.20 3.77	8.35
23 21 13 23-0267 EA 1/2" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.57 2.00 3.77	8.35
23 21 13 23-0268 EA 3/4" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.31 2.37 3.77	8.35
23 21 13 23-0269 EA 1" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.90 3.19 4.06	9.06
23 21 13 23-0270 EA 1-1/4" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.86 4.10 4.40	9.76
23 21 13 23-0271 EA 1-1/2" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.84 4.59 4.40	9.76
23 21 13 23-0272 EA 2" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	32.04 6.56 5.68	12.58
23 21 13 23-0273 EA 2-1/2" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	45.41 10.98 7.04	15.66
23 21 13 23-0274 EA 3" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	59.26 15.45 8.51	18.91
23 21 13 23-0275 EA 4" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	70.13 18.48 9.95	22.16
23 21 13 23-0276 EA 3/8" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.84 3.64 3.77	8.35
23 21 13 23-0277 EA 1/2" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.32 2.38 3.77	8.35
23 21 13 23-0278 EA 3/4" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.83 2.63 3.77	8.35
23 21 13 23-0279 EA 1" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.84 3.66 4.06	9.06
23 21 13 23-0280 EA 1-1/4" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.96 4.65 4.40	9.76
23 21 13 23-0281 EA 1-1/2" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.24 5.29 4.40	9.76
23 21 13 23-0282 EA 2" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	34.03 7.56 5.68	12.58

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0283	EA	2-1/2" x 12" Long, Schedule 40 Black Steel Nipple.....	47.88	15.66
			<i>For Schedule 80 Nipples, Add</i>	12.22	
			<i>For Work In Restricted Working Space, Add</i>	7.04	
23 21	13 23-0284	EA	3" x 12" Long, Schedule 40 Black Steel Nipple.....	62.65	18.91
			<i>For Schedule 80 Nipples, Add</i>	17.14	
			<i>For Work In Restricted Working Space, Add</i>	8.51	
23 21	13 23-0285	EA	4" x 12" Long, Schedule 40 Black Steel Nipple.....	76.49	22.16
			<i>For Schedule 80 Nipples, Add</i>	21.66	
			<i>For Work In Restricted Working Space, Add</i>	9.95	
23 21	13 23-0286		Black Malleable Iron Bushing <small>(23 21 13 23-0014)</small>		
23 21	13 23-0287	EA	1/2" x 3/8", 150 LB, Black Malleable Iron Bushing.....	25.91	14.34
			<i>For Work In Restricted Working Space, Add</i>	6.45	
23 21	13 23-0288	EA	3/4" x 3/8", 150 LB, Black Malleable Iron Bushing.....	29.47	15.39
			<i>For Work In Restricted Working Space, Add</i>	6.93	
23 21	13 23-0289	EA	3/4" x 1/2", 150 LB, Black Malleable Iron Bushing.....	31.22	16.53
			<i>For Work In Restricted Working Space, Add</i>	7.46	
23 21	13 23-0290	EA	1" x 3/8", 150 LB, Black Malleable Iron Bushing.....	33.41	16.45
			<i>For Work In Restricted Working Space, Add</i>	7.39	
23 21	13 23-0291	EA	1" x 1/2", 150 LB, Black Malleable Iron Bushing.....	32.95	17.59
			<i>For Work In Restricted Working Space, Add</i>	7.92	
23 21	13 23-0292	EA	1" x 3/4", 150 LB, Black Malleable Iron Bushing.....	34.35	18.55
			<i>For Work In Restricted Working Space, Add</i>	8.34	
23 21	13 23-0293	EA	1-1/4" x 3/8", 150 LB, Black Malleable Iron Bushing.....	36.40	17.68
			<i>For Work In Restricted Working Space, Add</i>	7.97	
23 21	13 23-0294	EA	1-1/4" x 1/2", 150 LB, Black Malleable Iron Bushing.....	37.72	18.91
			<i>For Work In Restricted Working Space, Add</i>	8.50	
23 21	13 23-0295	EA	1-1/4" x 3/4", 150 LB, Black Malleable Iron Bushing.....	38.19	19.79
			<i>For Work In Restricted Working Space, Add</i>	8.92	
23 21	13 23-0296	EA	1-1/4" x 1", 150 LB, Black Malleable Iron Bushing.....	39.72	20.85
			<i>For Work In Restricted Working Space, Add</i>	9.38	
23 21	13 23-0297	EA	1-1/2" x 3/8", 150 LB, Black Malleable Iron Bushing.....	41.68	19.18
			<i>For Work In Restricted Working Space, Add</i>	8.61	
23 21	13 23-0298	EA	1-1/2" x 1/2", 150 LB, Black Malleable Iron Bushing.....	41.16	20.31
			<i>For Work In Restricted Working Space, Add</i>	9.14	
23 21	13 23-0299	EA	1-1/2" x 3/4", 150 LB, Black Malleable Iron Bushing.....	42.55	21.20
			<i>For Work In Restricted Working Space, Add</i>	9.55	
23 21	13 23-0300	EA	1-1/2" x 1", 150 LB, Black Malleable Iron Bushing.....	42.77	22.26
			<i>For Work In Restricted Working Space, Add</i>	10.01	
23 21	13 23-0301	EA	1-1/2" x 1-1/4", 150 LB, Black Malleable Iron Bushing.....	46.05	23.57
			<i>For Work In Restricted Working Space, Add</i>	10.59	
23 21	13 23-0302	EA	2" x 3/8", 150 LB, Black Malleable Iron Bushing.....	52.08	22.52
			<i>For Work In Restricted Working Space, Add</i>	10.12	
23 21	13 23-0303	EA	2" x 1/2", 150 LB, Black Malleable Iron Bushing.....	51.67	23.67
			<i>For Work In Restricted Working Space, Add</i>	10.65	
23 21	13 23-0304	EA	2" x 3/4", 150 LB, Black Malleable Iron Bushing.....	50.58	24.63
			<i>For Work In Restricted Working Space, Add</i>	11.07	
23 21	13 23-0305	EA	2" x 1", 150 LB, Black Malleable Iron Bushing.....	51.25	25.60
			<i>For Work In Restricted Working Space, Add</i>	11.53	
23 21	13 23-0306	EA	2" x 1-1/4", 150 LB, Black Malleable Iron Bushing.....	53.19	26.92
			<i>For Work In Restricted Working Space, Add</i>	12.11	
23 21	13 23-0307	EA	2" x 1-1/2", 150 LB, Black Malleable Iron Bushing.....	56.74	28.32
			<i>For Work In Restricted Working Space, Add</i>	12.74	
23 21	13 23-0308	EA	2-1/2" x 3/4", 150 LB, Black Malleable Iron Bushing.....	71.61	32.19
			<i>For Work In Restricted Working Space, Add</i>	14.50	
23 21	13 23-0309	EA	2-1/2" x 1", 150 LB, Black Malleable Iron Bushing.....	73.14	33.24
			<i>For Work In Restricted Working Space, Add</i>	14.96	
23 21	13 23-0310	EA	2-1/2" x 1-1/4", 150 LB, Black Malleable Iron Bushing.....	75.07	34.48
			<i>For Work In Restricted Working Space, Add</i>	15.53	
23 21	13 23-0311	EA	2-1/2" x 1-1/2", 150 LB, Black Malleable Iron Bushing.....	75.59	35.97
			<i>For Work In Restricted Working Space, Add</i>	16.17	
23 21	13 23-0312	EA	2-1/2" x 2", 150 LB, Black Malleable Iron Bushing.....	80.48	39.32
			<i>For Work In Restricted Working Space, Add</i>	17.69	
23 21	13 23-0313	EA	3" x 3/4", 150 LB, Black Malleable Iron Bushing.....	91.63	39.58
			<i>For Work In Restricted Working Space, Add</i>	17.83	
23 21	13 23-0314	EA	3" x 1", 150 LB, Black Malleable Iron Bushing.....	93.15	40.64
			<i>For Work In Restricted Working Space, Add</i>	18.29	
23 21	13 23-0315	EA	3" x 1-1/4", 150 LB, Black Malleable Iron Bushing.....	95.09	41.96
			<i>For Work In Restricted Working Space, Add</i>	18.87	
23 21	13 23-0316	EA	3" x 1-1/2", 150 LB, Black Malleable Iron Bushing.....	96.59	43.37
			<i>For Work In Restricted Working Space, Add</i>	19.50	
23 21	13 23-0317	EA	3" x 2", 150 LB, Black Malleable Iron Bushing.....	99.58	46.71
			<i>For Work In Restricted Working Space, Add</i>	21.02	
23 21	13 23-0318	EA	3" x 2-1/2", 150 LB, Black Malleable Iron Bushing.....	111.42	54.35
			<i>For Work In Restricted Working Space, Add</i>	24.44	
23 21	13 23-0319	EA	4" x 3/4", 150 LB, Black Malleable Iron Bushing.....	122.56	40.48
			<i>For Work In Restricted Working Space, Add</i>	18.24	
23 21	13 23-0320	EA	4" x 1", 150 LB, Black Malleable Iron Bushing.....	124.00	41.48
			<i>For Work In Restricted Working Space, Add</i>	18.67	
23 21	13 23-0321	EA	4" x 1-1/4", 150 LB, Black Malleable Iron Bushing.....	125.82	42.73
			<i>For Work In Restricted Working Space, Add</i>	19.22	
23 21	13 23-0322	EA	4" x 1-1/2", 150 LB, Black Malleable Iron Bushing.....	127.82	44.06
			<i>For Work In Restricted Working Space, Add</i>	19.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0323 EA 4" x 2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	129.28 21.25	47.21
23 21 13 23-0324 EA 4" x 2-1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	140.03 24.47	54.43
23 21 13 23-0325 EA 4" x 3", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	150.52 27.62	61.40
23 21 13 23-0326 Black Malleable Iron Square Head Plugs (23 21 13 23-0014)		
23 21 13 23-0327 EA 3/8", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	11.19 2.35	5.19
23 21 13 23-0328 EA 1/2", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	12.99 2.82	6.25
23 21 13 23-0329 EA 3/4", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	14.10 3.15	7.03
23 21 13 23-0330 EA 1", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	16.24 3.52	7.83
23 21 13 23-0331 EA 1-1/4", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	18.97 3.98	8.88
23 21 13 23-0332 EA 1-1/2", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	22.92 4.49	9.94
23 21 13 23-0333 EA 2", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	30.32 5.71	12.67
23 21 13 23-0334 EA 2-1/2", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	48.70 8.44	18.74
23 21 13 23-0335 EA 3", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	65.27 11.11	24.71
23 21 13 23-0336 EA 4", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	97.94 11.62	25.80
23 21 13 23-0337 EA 5", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	167.59 12.12	26.97
23 21 13 23-0338 EA 6", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	199.78 12.67	28.13
23 21 13 23-0339 125 LB Black Cast Iron Screwed Flanges (23 21 13 23-0014)		
23 21 13 23-0340 EA 3/4", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	117.24 15.83	35.19
23 21 13 23-0341 EA 1", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	100.64 17.89	39.75
23 21 13 23-0342 EA 1-1/4", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	110.78 18.52	41.16
23 21 13 23-0343 EA 1-1/2", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	112.47 20.14	44.78
23 21 13 23-0344 EA 2", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	115.33 21.03	46.71
23 21 13 23-0345 EA 2-1/2", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	133.98 24.32	54.09
23 21 13 23-0346 EA 3", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	171.05 30.86	68.61
23 21 13 23-0347 EA 4", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	224.64 39.83	88.53
23 21 13 23-0348 EA 5", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	287.84 47.41	105.45
23 21 13 23-0349 EA 6", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	328.35 54.45	121.05
23 21 13 23-0350 150 LB, Black Malleable Iron Flanges (23 21 13 23-0014)		
23 21 13 23-0351 EA 1/2", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	62.46 14.46	32.11
23 21 13 23-0352 EA 3/4", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	68.14 15.83	35.19
23 21 13 23-0353 EA 1", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	79.60 17.89	39.75
23 21 13 23-0354 EA 1-1/4", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	83.07 18.52	41.16
23 21 13 23-0355 EA 1-1/2", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	90.43 20.14	44.78
23 21 13 23-0356 EA 2", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	100.44 21.02	46.71
23 21 13 23-0357 EA 2-1/2", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	128.68 24.32	54.09
23 21 13 23-0358 EA 3", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	163.05 30.86	68.61
23 21 13 23-0359 EA 4", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	234.97 39.82	88.53
23 21 13 23-0360 Cut And Thread Existing In-Place Black Steel Pipe (23 21 13 23-0014)		
Note: For use when connecting pipe to an existing in-place system.		
23 21 13 23-0361 EA 1/2", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	28.66 8.60	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0362 EA 3/4", Cut And Thread Existing In Place Black Steel Pipe.....	31.53	
<i>For Work In Restricted Working Space, Add</i>	9.46	
23 21 13 23-0363 EA 1", Cut And Thread Existing In Place Black Steel Pipe.....	34.40	
<i>For Work In Restricted Working Space, Add</i>	10.32	
23 21 13 23-0364 EA 1-1/4", Cut And Thread Existing In Place Black Steel Pipe.....	37.26	
<i>For Work In Restricted Working Space, Add</i>	11.18	
23 21 13 23-0365 EA 1-1/2", Cut And Thread Existing In Place Black Steel Pipe.....	39.17	
<i>For Work In Restricted Working Space, Add</i>	11.75	
23 21 13 23-0366 EA 2", Cut And Thread Existing In Place Black Steel Pipe.....	41.09	
<i>For Work In Restricted Working Space, Add</i>	12.33	
23 21 13 23-0367 EA 2-1/2", Cut And Thread Existing In Place Black Steel Pipe.....	43.01	
<i>For Work In Restricted Working Space, Add</i>	12.90	
23 21 13 23-0368 EA 3", Cut And Thread Existing In Place Black Steel Pipe.....	44.91	
<i>For Work In Restricted Working Space, Add</i>	13.47	
23 21 13 23-0369 EA 4", Cut And Thread Existing In Place Black Steel Pipe.....	46.82	
<i>For Work In Restricted Working Space, Add</i>	14.05	
23 21 13 23-0370 EA 6", Cut And Thread Existing In Place Black Steel Pipe.....	50.64	
<i>For Work In Restricted Working Space, Add</i>	15.19	
23 21 13 23-0371 EA 8", Cut And Thread Existing In Place Black Steel Pipe.....	54.46	
<i>For Work In Restricted Working Space, Add</i>	16.34	
23 21 13 23-0372 EA 10", Cut And Thread Existing In Place Black Steel Pipe.....	59.24	
<i>For Work In Restricted Working Space, Add</i>	17.77	
23 21 13 23-0373 EA 12", Cut And Thread Existing In Place Black Steel Pipe.....	63.06	
<i>For Work In Restricted Working Space, Add</i>	18.92	
23 21 13 23-0374 Welded Black Steel Pipe (23 21 13 23)		
23 21 13 23-0375 Welded Plain End Black Steel Pipe Assemblies (23 21 13 23-0374)		
Note: ASTM A-53. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
23 21 13 23-0376 LF 3/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	20.17	6.47
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	4.73	
23 21 13 23-0377 LF 1" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	22.39	6.90
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	5.30	
23 21 13 23-0378 LF 1-1/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	26.73	7.34
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	6.08	
23 21 13 23-0379 LF 1-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	28.45	7.34
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	6.36	
23 21 13 23-0380 LF 2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	32.51	7.34
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	7.36	
23 21 13 23-0381 LF 2-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	37.71	7.34
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	8.53	
23 21 13 23-0382 LF 3" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	43.34	7.16
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	9.00	
23 21 13 23-0383 LF 4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	56.60	8.90
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	11.05	
23 21 13 23-0384 LF 6" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	75.70	13.27
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	12.72	
23 21 13 23-0385 LF 8" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	115.04	16.48
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	18.87	
23 21 13 23-0386 LF 10" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	153.14	20.61
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	22.50	
23 21 13 23-0387 LF 12" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	191.64	24.89
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	26.00	
23 21 13 23-0388 LF 14" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	215.44	32.46
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	29.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0389 LF 16" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	251.46	41.20
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Work In Restricted Working Space, Add	32.41	
23 21 13 23-0390 LF 18" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	316.94	51.01
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Work In Restricted Working Space, Add	35.57	
23 21 13 23-0391 LF 20" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	408.96	63.04
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Work In Restricted Working Space, Add	40.71	
23 21 13 23-0392 LF 24" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	505.38	71.45
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Work In Restricted Working Space, Add	44.76	
23 21 13 23-0393 Welded Black Steel Pipe And Fittings (23 21 13 23-0374)		
Note: ASTM A-53. Excludes hangers or fittings.		
23 21 13 23-0394 Welded Plain End Black Steel Piping (23 21 13 23-0393)		
Note: ASTM A-53		
23 21 13 23-0395 LF 3/4" Schedule 40, Welded Plain End Black Steel Pipe	8.41	3.45
For Schedule 80 Pipe, Add	1.34	
For Schedule A-106 Pipe, Add	0.18	
For Work In Restricted Working Space, Add	2.07	
23 21 13 23-0396 LF 1" Schedule 40, Welded Plain End Black Steel Pipe	10.64	4.31
For Schedule 80 Pipe, Add	1.70	
For Schedule A-106 Pipe, Add	0.24	
For Work In Restricted Working Space, Add	2.59	
23 21 13 23-0397 LF 1-1/4" Schedule 40, Welded Plain End Black Steel Pipe	13.29	5.18
For Schedule 80 Pipe, Add	2.14	
For Schedule A-106 Pipe, Add	0.35	
For Work In Restricted Working Space, Add	3.11	
23 21 13 23-0398 LF 1-1/2" Schedule 40, Welded Plain End Black Steel Pipe	15.98	6.04
For Schedule 80 Pipe, Add	2.59	
For Schedule A-106 Pipe, Add	0.47	
For Work In Restricted Working Space, Add	3.62	
23 21 13 23-0399 LF 2" Schedule 40, Welded Plain End Black Steel Pipe	19.01	7.16
For Schedule 80 Pipe, Add	3.09	
For Schedule A-106 Pipe, Add	0.56	
For Work In Restricted Working Space, Add	4.30	
23 21 13 23-0400 LF 2-1/2" Schedule 40, Welded Plain End Black Steel Pipe	21.67	8.11
For Schedule 80 Pipe, Add	4.75	
For Schedule A-106 Pipe, Add	0.65	
For Work In Restricted Working Space, Add	4.87	
23 21 13 23-0401 LF 3" Schedule 40, Welded Plain End Black Steel Pipe	26.08	8.71
For Schedule 80 Pipe, Add	6.08	
For Schedule A-106 Pipe, Add	1.04	
For Work In Restricted Working Space, Add	5.23	
23 21 13 23-0402 LF 4" Schedule 40, Welded Plain End Black Steel Pipe	35.45	10.78
For Schedule 80 Pipe, Add	8.63	
For Schedule A-106 Pipe, Add	1.67	
For Work In Restricted Working Space, Add	6.47	
23 21 13 23-0403 LF 6" Schedule 40, Welded Plain End Black Steel Pipe	50.01	17.47
For Schedule 80 Pipe, Add	12.82	
For Schedule A-106 Pipe, Add	2.79	
For Work In Restricted Working Space, Add	8.03	
23 21 13 23-0404 LF 8" Schedule 40, Welded Plain End Black Steel Pipe	70.51	17.71
For Schedule 80 Pipe, Add	18.48	
For Schedule A-106 Pipe, Add	4.21	
For Schedule 30 Pipe, Deduct	-10.56	
For Work In Restricted Working Space, Add	10.63	
23 21 13 23-0405 LF 10" Schedule 40, Welded Plain End Black Steel Pipe	92.32	21.34
For Schedule 80 Pipe, Add	24.84	
For Schedule A-106 Pipe, Add	5.96	
For Schedule 30 Pipe, Deduct	-14.20	
For Work In Restricted Working Space, Add	12.80	
23 21 13 23-0406 LF 12" Schedule 40, Welded Plain End Black Steel Pipe	117.24	25.79
For Schedule 80 Pipe, Add	32.01	
For Schedule A-106 Pipe, Add	7.88	
For Schedule 30 Pipe, Deduct	-18.29	
For Work In Restricted Working Space, Add	15.48	
23 21 13 23-0407 LF 14" Schedule 40, Welded Plain End Black Steel Pipe	114.25	27.20
For Schedule 80 Pipe, Add	30.47	
For Schedule A-106 Pipe, Add	7.18	
For Schedule 30 Pipe, Deduct	-17.41	
For Schedule 20 Pipe, Deduct	-31.83	
For Work In Restricted Working Space, Add	16.31	
23 21 13 23-0408 LF 16" Schedule 40, Welded Plain End Black Steel Pipe	125.43	29.25
For Schedule 80 Pipe, Add	33.66	
For Schedule A-106 Pipe, Add	8.03	
For Schedule 30 Pipe, Deduct	-19.24	
For Schedule 20 Pipe, Deduct	-35.12	
For Work In Restricted Working Space, Add	17.55	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0409	LF	18" Schedule 40, Welded Plain End Black Steel Pipe	156.03	31.64
			<i>For Schedule 80 Pipe, Add</i>	43.53	
			<i>For Schedule A-106 Pipe, Add</i>	11.13	
			<i>For Schedule 30 Pipe, Deduct</i>	-24.88	
			<i>For Schedule 20 Pipe, Deduct</i>	-45.12	
			<i>For Work In Restricted Working Space, Add</i>	18.99	
23 21	13 23-0410	LF	20" Schedule 40, Welded Plain End Black Steel Pipe	184.70	37.90
			<i>For Schedule 80 Pipe, Add</i>	51.38	
			<i>For Schedule A-106 Pipe, Add</i>	13.07	
			<i>For Work In Restricted Working Space, Add</i>	22.74	
23 21	13 23-0411	LF	24" Schedule 40, Welded Plain End Black Steel Pipe	227.86	43.59
			<i>For Schedule 80 Pipe, Add</i>	64.49	
			<i>For Schedule A-106 Pipe, Add</i>	16.88	
			<i>For Work In Restricted Working Space, Add</i>	26.16	
23 21	13 23-0412		Welded Plain End Black Steel 90 Degree Elbows (23 21 13 23-0393)		
23 21	13 23-0413	EA	3/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	96.10	52.25
			<i>For Schedule 80 Fittings, Add</i>	20.61	
			<i>For Work In Restricted Working Space, Add</i>	23.49	
23 21	13 23-0414	EA	1" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	100.20	54.97
			<i>For Schedule 80 Fittings, Add</i>	21.41	
			<i>For Work In Restricted Working Space, Add</i>	24.72	
23 21	13 23-0415	EA	1-1/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	111.74	62.62
			<i>For Schedule 80 Fittings, Add</i>	23.66	
			<i>For Work In Restricted Working Space, Add</i>	28.18	
23 21	13 23-0416	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	119.15	67.57
			<i>For Schedule 80 Fittings, Add</i>	25.10	
			<i>For Work In Restricted Working Space, Add</i>	30.40	
23 21	13 23-0417	EA	2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	149.63	87.93
			<i>For Schedule 80 Fittings, Add</i>	31.05	
			<i>For Work In Restricted Working Space, Add</i>	39.55	
23 21	13 23-0418	EA	2-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	188.52	109.93
			<i>For Schedule 80 Fittings, Add</i>	39.25	
			<i>For Work In Restricted Working Space, Add</i>	49.43	
23 21	13 23-0419	EA	3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	203.18	116.64
			<i>For Schedule 80 Fittings, Add</i>	42.60	
			<i>For Work In Restricted Working Space, Add</i>	52.44	
23 21	13 23-0420	EA	4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	349.07	201.53
			<i>For Schedule 80 Fittings, Add</i>	73.00	
			<i>For Work In Restricted Working Space, Add</i>	90.65	
23 21	13 23-0421	EA	6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	614.04	332.57
			<i>For Schedule 80 Fittings, Add</i>	131.85	
			<i>For Work In Restricted Working Space, Add</i>	149.60	
23 21	13 23-0422	EA	8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	883.65	446.55
			<i>For Schedule 80 Fittings, Add</i>	194.79	
			<i>For Work In Restricted Working Space, Add</i>	200.86	
23 21	13 23-0423	EA	10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,158.32	510.42
			<i>For Schedule 80 Fittings, Add</i>	267.15	
			<i>For Work In Restricted Working Space, Add</i>	229.56	
23 21	13 23-0424	EA	12" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,571.23	667.81
			<i>For Schedule 80 Fittings, Add</i>	366.25	
			<i>For Work In Restricted Working Space, Add</i>	300.35	
23 21	13 23-0425	EA	14" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,955.01	789.36
			<i>For Schedule 80 Fittings, Add</i>	462.24	
			<i>For Work In Restricted Working Space, Add</i>	355.04	
23 21	13 23-0426	EA	16" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,438.02	921.78
			<i>For Schedule 80 Fittings, Add</i>	586.30	
			<i>For Work In Restricted Working Space, Add</i>	414.58	
23 21	13 23-0427	EA	18" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,900.19	1,027.84
			<i>For Schedule 80 Fittings, Add</i>	708.26	
			<i>For Work In Restricted Working Space, Add</i>	462.28	
23 21	13 23-0428	EA	20" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,725.65	1,152.43
			<i>For Schedule 80 Fittings, Add</i>	936.27	
			<i>For Work In Restricted Working Space, Add</i>	518.35	
23 21	13 23-0429	EA	24" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,396.37	1,190.92
			<i>For Schedule 80 Fittings, Add</i>	1,131.44	
			<i>For Work In Restricted Working Space, Add</i>	535.63	
23 21	13 23-0430		Welded Plain End Black Steel Reducing 90 Degree Elbows (23 21 13 23-0393)		
23 21	13 23-0431	EA	4" x 3" 90 Standard Weight, Welded Plain End Black Steel Reducing 90 Degree Elbow	495.71	201.87
			<i>For Schedule 80 Fittings, Add</i>	116.93	
			<i>For Work In Restricted Working Space, Add</i>	90.81	
23 21	13 23-0432	EA	6" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	870.53	328.78
			<i>For Schedule 80 Fittings, Add</i>	209.40	
			<i>For Work In Restricted Working Space, Add</i>	147.89	
23 21	13 23-0433	EA	6" x 3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	935.26	328.78
			<i>For Schedule 80 Fittings, Add</i>	228.82	
			<i>For Work In Restricted Working Space, Add</i>	147.89	
23 21	13 23-0434	EA	8" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,465.96	446.55
			<i>For Schedule 80 Fittings, Add</i>	369.49	
			<i>For Work In Restricted Working Space, Add</i>	200.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0435 EA 8" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,620.31 415.79 200.86	446.55
23 21 13 23-0436 EA 10" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,038.21 531.12 229.56	510.42
23 21 13 23-0437 EA 10" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,038.21 531.12 229.56	510.42
23 21 13 23-0438 EA 12" x 10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,383.80 908.01 306.08	680.50
23 21 13 23-0439 EA 12" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,383.80 908.01 306.08	680.50
23 21 13 23-0440 EA 12" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,803.64 1,033.97 306.08	680.50
 23 21 13 23-0441 Welded Plain End Black Steel 45 Degree Elbows (23 21 13 23-0393)		
23 21 13 23-0442 EA 3/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	87.46 18.54 22.00	48.92
23 21 13 23-0443 EA 1" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	90.05 19.04 22.78	50.64
23 21 13 23-0444 EA 1-1/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	101.26 21.23 26.14	58.15
23 21 13 23-0445 EA 1-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	108.16 22.57 28.21	62.72
23 21 13 23-0446 EA 2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	135.77 27.96 36.49	81.09
23 21 13 23-0447 EA 2-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	169.15 34.71 45.81	101.89
23 21 13 23-0448 EA 3" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	195.50 40.30 52.43	116.55
23 21 13 23-0449 EA 4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	336.32 69.18 90.62	201.44
23 21 13 23-0450 EA 6" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	582.32 122.40 149.43	332.23
23 21 13 23-0451 EA 8" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	825.87 177.46 200.86	446.55
23 21 13 23-0452 EA 10" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,052.24 235.33 229.56	510.42
23 21 13 23-0453 EA 12" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,415.53 319.73 299.79	666.58
23 21 13 23-0454 EA 14" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,748.38 400.09 355.51	790.43
23 21 13 23-0455 EA 16" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,151.60 500.53 414.15	920.79
23 21 13 23-0456 EA 18" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,531.62 597.87 461.75	1,026.60
23 21 13 23-0457 EA 20" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,186.53 774.54 518.35	1,152.43
23 21 13 23-0458 EA 24" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,691.80 920.07 535.63	1,190.92
 23 21 13 23-0459 Welded Plain End Black Steel Tee (23 21 13 23-0393)		
23 21 13 23-0460 EA 3/4" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	180.72 39.72 41.41	92.05
23 21 13 23-0461 EA 1" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	180.66 39.71 41.39	92.05
23 21 13 23-0462 EA 1-1/4" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	204.94 45.36 46.05	102.41

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0463 EA 1-1/2" Standard Weight, Welded Plain End Black Steel Tee	223.98	115.08
For Schedule 80 Fittings, Add	49.08	
For Work In Restricted Working Space, Add	51.76	
23 21 13 23-0464 EA 2" Standard Weight, Welded Plain End Black Steel Tee.....	275.85	153.64
For Schedule 80 Fittings, Add	58.57	
For Work In Restricted Working Space, Add	69.10	
23 21 13 23-0465 EA 2-1/2" Standard Weight, Welded Plain End Black Steel Tee	315.35	172.63
For Schedule 80 Fittings, Add	67.43	
For Work In Restricted Working Space, Add	77.65	
23 21 13 23-0466 EA 3" Standard Weight, Welded Plain End Black Steel Tee.....	376.60	209.64
For Schedule 80 Fittings, Add	80.01	
For Work In Restricted Working Space, Add	94.21	
23 21 13 23-0467 EA 4" Standard Weight, Welded Plain End Black Steel Tee.....	541.12	302.90
For Schedule 80 Fittings, Add	114.66	
For Work In Restricted Working Space, Add	136.22	
23 21 13 23-0468 EA 6" Standard Weight, Welded Plain End Black Steel Tee.....	908.64	500.36
For Schedule 80 Fittings, Add	193.82	
For Work In Restricted Working Space, Add	225.05	
23 21 13 23-0469 EA 8" Standard Weight, Welded Plain End Black Steel Tee.....	1,313.65	680.50
For Schedule 80 Fittings, Add	286.97	
For Work In Restricted Working Space, Add	306.08	
23 21 13 23-0470 EA 10" Standard Weight, Welded Plain End Black Steel Tee.....	1,682.24	793.89
For Schedule 80 Fittings, Add	379.69	
For Work In Restricted Working Space, Add	357.09	
23 21 13 23-0471 EA 12" Standard Weight, Welded Plain End Black Steel Tee.....	2,278.58	1,020.75
For Schedule 80 Fittings, Add	522.88	
For Work In Restricted Working Space, Add	459.11	
23 21 13 23-0472 EA 14" Standard Weight, Welded Plain End Black Steel Tee.....	2,988.38	1,190.92
For Schedule 80 Fittings, Add	709.04	
For Work In Restricted Working Space, Add	535.63	
23 21 13 23-0473 EA 16" Standard Weight, Welded Plain End Black Steel Tee.....	3,596.80	1,429.06
For Schedule 80 Fittings, Add	854.07	
For Work In Restricted Working Space, Add	642.76	
23 21 13 23-0474 EA 18" Standard Weight, Welded Plain End Black Steel Tee.....	4,756.10	1,587.86
For Schedule 80 Fittings, Add	1,176.87	
For Work In Restricted Working Space, Add	714.18	
23 21 13 23-0475 EA 20" Standard Weight, Welded Plain End Black Steel Tee.....	6,345.64	1,786.37
For Schedule 80 Fittings, Add	1,622.49	
For Work In Restricted Working Space, Add	803.45	
23 21 13 23-0476 EA 24" Standard Weight, Welded Plain End Black Steel Tee.....	7,357.52	1,923.78
For Schedule 80 Fittings, Add	1,904.42	
For Work In Restricted Working Space, Add	865.25	
23 21 13 23-0477 Welded Plain End Black Steel Reducing Tees (23 21 13 23-0393)		
23 21 13 23-0478 EA 3/4" Standard Weight, Welded Plain End Black Steel Reducing Tee	176.40	89.20
For Schedule 80 Fittings, Add	38.88	
For Work In Restricted Working Space, Add	40.12	
23 21 13 23-0479 EA 1" Standard Weight, Welded Plain End Black Steel Reducing Tee	180.66	92.05
For Schedule 80 Fittings, Add	39.71	
For Work In Restricted Working Space, Add	41.39	
23 21 13 23-0480 EA 1-1/4" Standard Weight, Welded Plain End Black Steel Reducing Tee	202.22	102.41
For Schedule 80 Fittings, Add	44.55	
For Work In Restricted Working Space, Add	46.05	
23 21 13 23-0481 EA 1-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee	221.26	115.08
For Schedule 80 Fittings, Add	48.26	
For Work In Restricted Working Space, Add	51.76	
23 21 13 23-0482 EA 2" Standard Weight, Welded Plain End Black Steel Reducing Tee	281.99	153.64
For Schedule 80 Fittings, Add	60.40	
For Work In Restricted Working Space, Add	69.13	
23 21 13 23-0483 EA 2-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee	315.45	172.72
For Schedule 80 Fittings, Add	67.45	
For Work In Restricted Working Space, Add	77.67	
23 21 13 23-0484 EA 3" Standard Weight, Welded Plain End Black Steel Reducing Tee	376.89	209.64
For Schedule 80 Fittings, Add	80.09	
For Work In Restricted Working Space, Add	94.21	
23 21 13 23-0485 EA 4" Standard Weight, Welded Plain End Black Steel Reducing Tee	541.52	302.90
For Schedule 80 Fittings, Add	114.78	
For Work In Restricted Working Space, Add	136.22	
23 21 13 23-0486 EA 6" Standard Weight, Welded Plain End Black Steel Reducing Tee	909.33	500.36
For Schedule 80 Fittings, Add	194.03	
For Work In Restricted Working Space, Add	225.05	
23 21 13 23-0487 EA 8" Standard Weight, Welded Plain End Black Steel Reducing Tee	1,314.97	680.50
For Schedule 80 Fittings, Add	287.36	
For Work In Restricted Working Space, Add	306.08	
23 21 13 23-0488 EA 10" Standard Weight, Welded Plain End Black Steel Reducing Tee	1,684.48	793.89
For Schedule 80 Fittings, Add	380.36	
For Work In Restricted Working Space, Add	357.09	
23 21 13 23-0489 EA 12" Standard Weight, Welded Plain End Black Steel Reducing Tee	2,281.97	1,020.75
For Schedule 80 Fittings, Add	523.90	
For Work In Restricted Working Space, Add	459.11	
23 21 13 23-0490 EA 14" Standard Weight, Welded Plain End Black Steel Reducing Tee	2,993.84	1,190.92
For Schedule 80 Fittings, Add	710.68	
For Work In Restricted Working Space, Add	535.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0491 EA 16" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,603.42 856.06 642.76	1,429.06
23 21 13 23-0492 EA 18" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,766.92 1,180.11 714.18	1,587.86
23 21 13 23-0493 Welded Plain End Black Steel Eccentric Reducers <small>(23 21 13 23-0393)</small>		
23 21 13 23-0494 EA 3" x 2" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	211.43 45.13 -11.88 52.29	116.20
23 21 13 23-0495 EA 4" x 3" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	347.70 72.53 -14.40 90.81	201.87
23 21 13 23-0496 EA 4" x 2" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	360.64 76.41 -18.54 90.81	201.87
23 21 13 23-0497 EA 6" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	583.94 123.42 -29.11 147.89	328.78
23 21 13 23-0498 EA 6" x 3" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	650.19 143.29 -50.31 147.89	328.78
23 21 13 23-0499 EA 8" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	886.14 187.07 -43.51 225.05	500.36
23 21 13 23-0500 EA 8" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	984.90 216.70 -75.11 225.05	500.36
23 21 13 23-0501 EA 10" x 8" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,023.08 216.34 -51.32 258.81	575.42
23 21 13 23-0502 EA 10" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,147.28 253.60 -91.07 258.81	575.42
23 21 13 23-0503 EA 12" x 10" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,270.63 274.27 -80.74 305.49	679.18
23 21 13 23-0504 EA 12" x 8" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,414.46 317.42 -126.77 305.49	679.18
23 21 13 23-0505 EA 14" x 12" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,633.37 365.03 -141.78 357.09	793.89
23 21 13 23-0506 EA 14" x 10" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,713.60 389.10 -167.46 357.09	793.89
23 21 13 23-0507 EA 16" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,940.62 441.58 -192.49 401.72	893.19
23 21 13 23-0508 EA 16" x 12" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	2,146.98 503.49 -258.53 401.72	893.19
23 21 13 23-0509 EA 18" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	2,508.46 591.85 -312.99 459.11	1,020.75
23 21 13 23-0510 Welded Plain End Black Steel Caps <small>(23 21 13 23-0393)</small>		
23 21 13 23-0511 EA 1" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	52.19 10.26 12.94	28.81
23 21 13 23-0512 EA 1-1/4" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	57.06 11.19 14.24	31.67
23 21 13 23-0513 EA 1-1/2" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	59.35 11.66 14.75	32.79

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0514 EA 2" Standard Weight, Welded Plain End Black Steel Cap	73.17	42.02
For Schedule 80 Fittings, Add	14.08	
For Work In Restricted Working Space, Add	18.90	
23 21 13 23-0515 EA 2-1/2" Standard Weight, Welded Plain End Black Steel Cap	86.11	50.64
For Schedule 80 Fittings, Add	16.34	
For Work In Restricted Working Space, Add	22.78	
23 21 13 23-0516 EA 3" Standard Weight, Welded Plain End Black Steel Cap	102.28	58.40
For Schedule 80 Fittings, Add	19.74	
For Work In Restricted Working Space, Add	26.27	
23 21 13 23-0517 EA 4" Standard Weight, Welded Plain End Black Steel Cap	170.91	100.94
For Schedule 80 Fittings, Add	32.35	
For Work In Restricted Working Space, Add	45.41	
23 21 13 23-0518 EA 6" Standard Weight, Welded Plain End Black Steel Cap	287.20	166.76
For Schedule 80 Fittings, Add	54.90	
For Work In Restricted Working Space, Add	75.02	
23 21 13 23-0519 EA 8" Standard Weight, Welded Plain End Black Steel Cap	476.57	280.73
For Schedule 80 Fittings, Add	90.37	
For Work In Restricted Working Space, Add	126.25	
23 21 13 23-0520 EA 10" Standard Weight, Welded Plain End Black Steel Cap	540.22	295.13
For Schedule 80 Fittings, Add	106.76	
For Work In Restricted Working Space, Add	132.72	
23 21 13 23-0521 EA 12" Standard Weight, Welded Plain End Black Steel Cap	620.55	332.34
For Schedule 80 Fittings, Add	123.88	
For Work In Restricted Working Space, Add	149.48	
23 21 13 23-0522 EA 14" Standard Weight, Welded Plain End Black Steel Cap	825.02	396.94
For Schedule 80 Fittings, Add	173.11	
For Work In Restricted Working Space, Add	178.54	
23 21 13 23-0523 EA 16" Standard Weight, Welded Plain End Black Steel Cap	958.16	460.97
For Schedule 80 Fittings, Add	201.06	
For Work In Restricted Working Space, Add	207.34	
23 21 13 23-0524 EA 18" Standard Weight, Welded Plain End Black Steel Cap	1,072.29	510.42
For Schedule 80 Fittings, Add	226.04	
For Work In Restricted Working Space, Add	229.56	
23 21 13 23-0525 150 LB, Welded Plain End Black Steel Neck Flanges (23 21 13 23-0393)		
Note: 150 LB.		
23 21 13 23-0526 EA 2", 150 LB, Welded Plain End Black Steel Neck Flange	147.39	65.04
For 300 LB Rating, Add	45.14	
For Work In Restricted Working Space, Add	29.26	
23 21 13 23-0527 EA 2-1/2", 150 LB, Welded Plain End Black Steel Neck Flange	171.55	81.18
For 300 LB Rating, Add	47.68	
For Work In Restricted Working Space, Add	36.51	
23 21 13 23-0528 EA 3", 150 LB, Welded Plain End Black Steel Neck Flange	189.07	92.83
For 300 LB Rating, Add	49.55	
For Work In Restricted Working Space, Add	41.75	
23 21 13 23-0529 EA 4", 150 LB, Welded Plain End Black Steel Neck Flange	247.16	122.42
For 300 LB Rating, Add	63.79	
For Work In Restricted Working Space, Add	55.07	
23 21 13 23-0530 EA 6", 150 LB, Welded Plain End Black Steel Neck Flange	376.15	185.66
For 300 LB Rating, Add	97.72	
For Work In Restricted Working Space, Add	83.49	
23 21 13 23-0531 EA 8", 150 LB, Welded Plain End Black Steel Neck Flange	459.80	193.16
For 300 LB Rating, Add	149.59	
For Work In Restricted Working Space, Add	86.86	
23 21 13 23-0532 EA 10", 150 LB, Welded Plain End Black Steel Neck Flange	643.03	242.19
For 300 LB Rating, Add	234.05	
For Work In Restricted Working Space, Add	108.94	
23 21 13 23-0533 EA 12", 150 LB, Welded Plain End Black Steel Neck Flange	820.13	274.82
For 300 LB Rating, Add	328.93	
For Work In Restricted Working Space, Add	123.61	
23 21 13 23-0534 EA 14", 150 LB, Welded Plain End Black Steel Neck Flange	1,117.79	332.34
For 300 LB Rating, Add	485.99	
For Work In Restricted Working Space, Add	149.48	
23 21 13 23-0535 EA 16", 150 LB, Welded Plain End Black Steel Neck Flange	1,547.00	386.23
For 300 LB Rating, Add	738.35	
For Work In Restricted Working Space, Add	173.72	
23 21 13 23-0536 EA 18", 150 LB, Welded Plain End Black Steel Neck Flange	1,993.01	433.04
For 300 LB Rating, Add	1,008.80	
For Work In Restricted Working Space, Add	194.78	
23 21 13 23-0537 EA 20", 150 LB, Welded Plain End Black Steel Neck Flange	2,525.99	549.64
For 300 LB Rating, Add	1,277.88	
For Work In Restricted Working Space, Add	247.22	
23 21 13 23-0538 EA 24", 150 LB, Welded Plain End Black Steel Neck Flange	2,913.72	595.45
For 300 LB Rating, Add	1,508.44	
For Work In Restricted Working Space, Add	267.82	
23 21 13 23-0539 150 LB, Welded Black Steel Slip-On Flanges (23 21 13 23-0393)		
23 21 13 23-0540 EA 2", 150 LB, Welded Black Steel Slip-On Flanges	102.16	65.04
For 300 LB Rating, Add	30.21	
For Work In Restricted Working Space, Add	23.30	
23 21 13 23-0541 EA 2-1/2", 150 LB, Welded Black Steel Slip-On Flange	126.37	81.18
For 300 LB Rating, Add	38.29	
For Work In Restricted Working Space, Add	28.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0542 EA 3", 150 LB, Welded Black Steel Slip-On Flange	149.19	92.83
<i>For 300 LB Rating, Add</i>	45.11	
<i>For Work In Restricted Working Space, Add</i>	33.65	
23 21 13 23-0543 EA 4", 150 LB, Welded Black Steel Slip-On Flange	197.19	122.42
<i>For 300 LB Rating, Add</i>	60.88	
<i>For Work In Restricted Working Space, Add</i>	44.00	
23 21 13 23-0544 EA 6", 150 LB, Welded Black Steel Slip-On Flange	293.43	185.66
<i>For 300 LB Rating, Add</i>	92.63	
<i>For Work In Restricted Working Space, Add</i>	64.70	
23 21 13 23-0545 EA 8", 150 LB, Welded Black Steel Slip-On Flange	382.00	193.16
<i>For 300 LB Rating, Add</i>	134.17	
<i>For Work In Restricted Working Space, Add</i>	79.11	
23 21 13 23-0546 EA 10", 150 LB, Welded Black Steel Slip-On Flange	533.86	242.19
<i>For 300 LB Rating, Add</i>	218.43	
<i>For Work In Restricted Working Space, Add</i>	98.89	
23 21 13 23-0547 EA 12", 150 LB, Welded Black Steel Slip-On Flange	717.79	274.82
<i>For 300 LB Rating, Add</i>	331.55	
<i>For Work In Restricted Working Space, Add</i>	118.67	
23 21 13 23-0548 EA 14", 150 LB, Welded Black Steel Slip-On Flange	932.28	332.34
<i>For 300 LB Rating, Add</i>	472.18	
<i>For Work In Restricted Working Space, Add</i>	138.44	
23 21 13 23-0549 EA 16", 150 LB, Welded Black Steel Slip-On Flange	1,144.80	386.23
<i>For 300 LB Rating, Add</i>	624.15	
<i>For Work In Restricted Working Space, Add</i>	153.27	
23 21 13 23-0550 EA 18", 150 LB, Welded Black Steel Slip-On Flange	1,271.11	433.04
<i>For 300 LB Rating, Add</i>	698.51	
<i>For Work In Restricted Working Space, Add</i>	168.11	
23 21 13 23-0551 EA 20", 150 LB, Welded Black Steel Slip-On Flange	1,417.68	549.64
<i>For 300 LB Rating, Add</i>	791.12	
<i>For Work In Restricted Working Space, Add</i>	182.94	
23 21 13 23-0552 EA 24", 150 LB, Welded Black Steel Slip-On Flange	1,616.40	595.45
<i>For 300 LB Rating, Add</i>	891.36	
<i>For Work In Restricted Working Space, Add</i>	212.60	
23 21 13 23-0553 150 LB, Forged Steel Blind Flanges <small>(23 21 13 23-0393)</small>		
23 21 13 23-0554 EA 2", 150 LB, Forged Steel Blind Flange	74.44	23.16
<i>For 300 LB Rating, Add</i>	27.37	
<i>For 600 LB Rating, Add</i>	74.48	
<i>For Work In Restricted Working Space, Add</i>	13.89	
23 21 13 23-0555 EA 2-1/2", 150 LB, Forged Steel Blind Flange	101.20	27.78
<i>For 300 LB Rating, Add</i>	42.34	
<i>For 600 LB Rating, Add</i>	117.85	
<i>For Work In Restricted Working Space, Add</i>	16.67	
23 21 13 23-0556 EA 3", 150 LB, Forged Steel Blind Flange	121.28	37.04
<i>For 300 LB Rating, Add</i>	45.54	
<i>For 600 LB Rating, Add</i>	124.39	
<i>For Work In Restricted Working Space, Add</i>	22.22	
23 21 13 23-0557 EA 4", 150 LB, Forged Steel Blind Flange	157.66	46.30
<i>For 300 LB Rating, Add</i>	61.76	
<i>For 600 LB Rating, Add</i>	170.01	
<i>For Work In Restricted Working Space, Add</i>	27.78	
23 21 13 23-0558 EA 6", 150 LB, Forged Steel Blind Flange	218.97	60.20
<i>For 300 LB Rating, Add</i>	91.50	
<i>For 600 LB Rating, Add</i>	254.65	
<i>For Work In Restricted Working Space, Add</i>	36.12	
23 21 13 23-0559 EA 8", 150 LB, Forged Steel Blind Flange	295.28	69.46
<i>For 300 LB Rating, Add</i>	139.68	
<i>For 600 LB Rating, Add</i>	396.12	
<i>For Work In Restricted Working Space, Add</i>	41.67	
23 21 13 23-0560 EA 10", 150 LB, Forged Steel Blind Flange	472.06	83.34
<i>For 300 LB Rating, Add</i>	261.79	
<i>For 600 LB Rating, Add</i>	757.87	
<i>For Work In Restricted Working Space, Add</i>	50.01	
23 21 13 23-0561 EA 12", 150 LB, Forged Steel Blind Flange	626.68	97.24
<i>For 300 LB Rating, Add</i>	366.18	
<i>For 600 LB Rating, Add</i>	1,066.45	
<i>For Work In Restricted Working Space, Add</i>	58.34	
23 21 13 23-0562 EA 14", 150 LB, Forged Steel Blind Flange	1,112.13	111.13
<i>For 300 LB Rating, Add</i>	735.23	
<i>For Work In Restricted Working Space, Add</i>	66.68	
23 21 13 23-0563 EA 16", 150 LB, Forged Steel Blind Flange	1,188.02	125.02
<i>For 300 LB Rating, Add</i>	776.64	
<i>For Work In Restricted Working Space, Add</i>	75.01	
23 21 13 23-0564 EA 18", 150 LB, Forged Steel Blind Flange	1,324.38	152.80
<i>For 300 LB Rating, Add</i>	847.11	
<i>For Work In Restricted Working Space, Add</i>	91.68	
23 21 13 23-0565 EA 20", 150 LB, Forged Steel Blind Flange	1,728.26	166.70
<i>For 300 LB Rating, Add</i>	1,150.90	
<i>For Work In Restricted Working Space, Add</i>	100.02	
23 21 13 23-0566 EA 24", 150 LB, Forged Steel Blind Flange	2,385.95	194.48
<i>For 300 LB Rating, Add</i>	1,638.44	
<i>For Work In Restricted Working Space, Add</i>	116.69	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0567			3,000 LB, Forge Steel Thread-O-Lets (23 21 13 23-0393)		
23 21 13 23-0568	EA		1/2", 3,000 LB, Forge Steel Thread-O-Let	66.67	
			<i>For Weld-O-Lets, Add</i>	6.16	
			<i>For Sock-O-Lets, Add</i>	25.95	
			<i>For Work In Restricted Working Space, Add</i>	16.31	
23 21 13 23-0569	EA		3/4", 3,000 LB, Forge Steel Thread-O-Let	71.40	
			<i>For Weld-O-Lets, Add</i>	7.24	
			<i>For Sock-O-Lets, Add</i>	27.86	
			<i>For Work In Restricted Working Space, Add</i>	17.08	
23 21 13 23-0570	EA		1", 3,000 LB, Forge Steel Thread-O-Let	76.61	
			<i>For Weld-O-Lets, Add</i>	8.11	
			<i>For Sock-O-Lets, Add</i>	29.92	
			<i>For Work In Restricted Working Space, Add</i>	18.12	
23 21 13 23-0571	EA		1-1/4", 3,000 LB, Forge Steel Thread-O-Let	87.71	
			<i>For Weld-O-Lets, Add</i>	11.51	
			<i>For Sock-O-Lets, Add</i>	34.48	
			<i>For Work In Restricted Working Space, Add</i>	19.41	
23 21 13 23-0572	EA		1-1/2", 3,000 LB, Forge Steel Thread-O-Let	96.34	
			<i>For Weld-O-Lets, Add</i>	11.51	
			<i>For Sock-O-Lets, Add</i>	37.76	
			<i>For Work In Restricted Working Space, Add</i>	22.00	
23 21 13 23-0573	EA		2", 3,000 LB, Forge Steel Thread-O-Let	124.62	
			<i>For Weld-O-Lets, Add</i>	14.39	
			<i>For Sock-O-Lets, Add</i>	48.79	
			<i>For Work In Restricted Working Space, Add</i>	28.76	
23 21 13 23-0574	EA		2-1/2", 3,000 LB, Forge Steel Thread-O-Let	227.66	
			<i>For Weld-O-Lets, Add</i>	52.21	
			<i>For Sock-O-Lets, Add</i>	91.73	
			<i>For Work In Restricted Working Space, Add</i>	36.97	
23 21 13 23-0575	EA		3", 3,000 LB, Forge Steel Thread-O-Let	277.58	
			<i>For Weld-O-Lets, Add</i>	52.52	
			<i>For Sock-O-Lets, Add</i>	110.73	
			<i>For Work In Restricted Working Space, Add</i>	51.76	
23 21 13 23-0576	EA		4", 3,000 LB, Forge Steel Thread-O-Let	421.28	
			<i>For Weld-O-Lets, Add</i>	102.81	
			<i>For Sock-O-Lets, Add</i>	170.37	
			<i>For Work In Restricted Working Space, Add</i>	64.70	
23 21 13 23-0577			Class 150 Flange, Steel Bolt And Gasket Sets (23 21 13 23-0393)		
			Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.		
23 21 13 23-0578	EA		3/4" To 1-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	11.63	
			Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	3.26	
			<i>For Hot Dip Galvanized, Add</i>	4.65	
			<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	8.14	
23 21 13 23-0579	EA		2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	14.82	
			Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	4.15	
			<i>For Hot Dip Galvanized, Add</i>	5.93	
			<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	10.37	
23 21 13 23-0580	EA		2-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	14.97	
			Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	4.19	
			<i>For Hot Dip Galvanized, Add</i>	5.99	
			<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	10.48	
23 21 13 23-0581	EA		3" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	15.02	
			Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	4.21	
			<i>For Hot Dip Galvanized, Add</i>	6.01	
			<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	10.51	
23 21 13 23-0582	EA		4" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	33.93	
			Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	9.50	
			<i>For Hot Dip Galvanized, Add</i>	13.57	
			<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	23.75	
23 21 13 23-0583	EA		5" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	48.49	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	13.58	
			<i>For Hot Dip Galvanized, Add</i>	19.40	
			<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	33.94	
23 21 13 23-0584	EA		6" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	52.39	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	14.67	
			<i>For Hot Dip Galvanized, Add</i>	20.96	
			<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	36.67	
23 21 13 23-0585	EA		8" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	57.30	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	16.04	
			<i>For Hot Dip Galvanized, Add</i>	22.92	
			<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	40.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0586 EA 10" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	127.15	
Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
For Zinc Plated, Add	35.60	
For Hot Dip Galvanized, Add	50.86	
For Advanced Fluoropolymer (Blue Coating), Add	89.01	
23 21 13 23-0587 EA 12" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	129.28	
Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
For Zinc Plated, Add	36.20	
For Hot Dip Galvanized, Add	51.71	
For Advanced Fluoropolymer (Blue Coating), Add	90.50	
23 21 13 23-0588 EA 14" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	144.96	
Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut.		
For Zinc Plated, Add	40.59	
For Hot Dip Galvanized, Add	57.98	
For Advanced Fluoropolymer (Blue Coating), Add	101.47	
23 21 13 23-0589 EA 16" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	241.48	
Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.		
For Zinc Plated, Add	67.61	
For Hot Dip Galvanized, Add	96.59	
For Advanced Fluoropolymer (Blue Coating), Add	169.04	
23 21 13 23-0590 EA 18" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	348.80	
Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.		
For Zinc Plated, Add	97.66	
For Hot Dip Galvanized, Add	139.52	
For Advanced Fluoropolymer (Blue Coating), Add	244.16	
23 21 13 23-0591 EA 20" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	440.62	
Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.		
For Zinc Plated, Add	123.37	
For Hot Dip Galvanized, Add	176.25	
For Advanced Fluoropolymer (Blue Coating), Add	308.43	
23 21 13 23-0592 EA 24" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	628.56	
Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.		
For Zinc Plated, Add	176.00	
For Hot Dip Galvanized, Add	251.42	
For Advanced Fluoropolymer (Blue Coating), Add	439.99	
23 21 13 23-0593 EA 30" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	992.51	
Note: Includes rubber gasket, and twenty-eight (28) 1-1/4" diameter bolts with washers and nut.		
For Zinc Plated, Add	277.90	
For Hot Dip Galvanized, Add	397.00	
For Advanced Fluoropolymer (Blue Coating), Add	694.76	
23 21 13 23-0594 EA 36" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	1,413.23	
Note: Includes rubber gasket, and thirty-two (32) 1-1/2" diameter bolts with washers and nut.		
For Zinc Plated, Add	395.70	
For Hot Dip Galvanized, Add	565.29	
For Advanced Fluoropolymer (Blue Coating), Add	989.26	
23 21 13 23-0595 Class 300 Flange, Steel Bolt And Gasket Sets <small>(23 21 13 23-0595)</small>		
Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.		
23 21 13 23-0596 EA 3/4" To 1-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	18.25	
Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
For Zinc Plated, Add	5.11	
For Hot Dip Galvanized, Add	7.30	
For Advanced Fluoropolymer (Blue Coating), Add	12.78	
23 21 13 23-0597 EA 2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	34.12	
Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.		
For Zinc Plated, Add	9.55	
For Hot Dip Galvanized, Add	13.65	
For Advanced Fluoropolymer (Blue Coating), Add	23.88	
23 21 13 23-0598 EA 2-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	53.52	
Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
For Zinc Plated, Add	14.99	
For Hot Dip Galvanized, Add	21.41	
For Advanced Fluoropolymer (Blue Coating), Add	37.46	
23 21 13 23-0599 EA 3" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	58.14	
Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
For Zinc Plated, Add	16.28	
For Hot Dip Galvanized, Add	23.26	
For Advanced Fluoropolymer (Blue Coating), Add	40.70	
23 21 13 23-0600 EA 4" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	59.31	
Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
For Zinc Plated, Add	16.61	
For Hot Dip Galvanized, Add	23.72	
For Advanced Fluoropolymer (Blue Coating), Add	41.52	
23 21 13 23-0601 EA 5" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	63.02	
Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
For Zinc Plated, Add	17.65	
For Hot Dip Galvanized, Add	25.21	
For Advanced Fluoropolymer (Blue Coating), Add	44.11	
23 21 13 23-0602 EA 6" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	91.52	
Note: Includes rubber gasket, and twelve (12) 3/4" diameter bolts with washers and nut.		
For Zinc Plated, Add	25.63	
For Hot Dip Galvanized, Add	36.61	
For Advanced Fluoropolymer (Blue Coating), Add	64.06	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0603	EA	8" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	142.22	
			Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	39.82	
			For Hot Dip Galvanized, Add	56.89	
			For Advanced Fluoropolymer (Blue Coating), Add	99.55	
23 21	13 23-0604	EA	10" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	261.60	
			Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.		
			For Zinc Plated, Add	73.25	
			For Hot Dip Galvanized, Add	104.64	
			For Advanced Fluoropolymer (Blue Coating), Add	183.12	
23 21	13 23-0605	EA	12" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	378.15	
			Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	105.88	
			For Hot Dip Galvanized, Add	151.26	
			For Advanced Fluoropolymer (Blue Coating), Add	264.71	
23 21	13 23-0606	EA	14" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	517.97	
			Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	145.03	
			For Hot Dip Galvanized, Add	207.19	
			For Advanced Fluoropolymer (Blue Coating), Add	362.58	
23 21	13 23-0607	EA	16" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	715.93	
			Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	200.46	
			For Hot Dip Galvanized, Add	286.37	
			For Advanced Fluoropolymer (Blue Coating), Add	501.15	
23 21	13 23-0608	EA	18" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	918.94	
			Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	257.30	
			For Hot Dip Galvanized, Add	367.58	
			For Advanced Fluoropolymer (Blue Coating), Add	643.26	
23 21	13 23-0609	EA	20" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	974.82	
			Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	272.95	
			For Hot Dip Galvanized, Add	389.93	
			For Advanced Fluoropolymer (Blue Coating), Add	682.37	
23 21	13 23-0610	EA	24" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	1,234.84	
			Note: Includes rubber gasket, and twenty-four (24) 1-1/2" diameter bolts with washers and nut.		
			For Zinc Plated, Add	345.76	
			For Hot Dip Galvanized, Add	493.94	
			For Advanced Fluoropolymer (Blue Coating), Add	864.39	
23 21	13 23-0611	EA	30" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	1,937.04	
			Note: Includes rubber gasket, and twenty-eight (28) 1-3/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	542.37	
			For Hot Dip Galvanized, Add	774.82	
			For Advanced Fluoropolymer (Blue Coating), Add	1,355.93	
23 21	13 23-0612	EA	36" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	2,945.75	
			Note: Includes rubber gasket, and thirty-two (32) 2" diameter bolts with washers and nut.		
			For Zinc Plated, Add	824.81	
			For Hot Dip Galvanized, Add	1,178.30	
			For Advanced Fluoropolymer (Blue Coating), Add	2,062.03	
23 21	13 23-0613		Class 150 Flange, Stainless Steel Bolt And Gasket Sets <small>(23 21 13 23-0393)</small>		
			Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.		
23 21	13 23-0614	EA	3/4" To 1-1/2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	11.63	
			Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut.		
23 21	13 23-0615	EA	2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	30.21	
			Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
23 21	13 23-0616	EA	2-1/2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	30.26	
			Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
23 21	13 23-0617	EA	3" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	30.32	
			Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
23 21	13 23-0618	EA	4" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	64.03	
			Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.		
23 21	13 23-0619	EA	5" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	81.26	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
23 21	13 23-0620	EA	6" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	91.69	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
23 21	13 23-0621	EA	8" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	92.24	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
23 21	13 23-0622	EA	10" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	237.80	
			Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
23 21	13 23-0623	EA	12" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	238.84	
			Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
23 21	13 23-0624	EA	14" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	361.39	
			Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut.		
23 21	13 23-0625	EA	16" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	481.41	
			Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.		
23 21	13 23-0626	EA	18" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	1,250.34	
			Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.		
23 21	13 23-0627	EA	20" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	1,448.69	
			Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.		
23 21	13 23-0628	EA	24" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	1,672.66	
			Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 21	13 23-0629		150 LB, Rubber Flange Gasket Replacement <small>(2321 13 23-0393)</small>		
				Note: Includes unbolting, removal of old gaskets, new 150 LB rubber gasket and rebolting.		
	23 21	13 23-0630	EA	1/2", 150 LB, Rubber Flange Gasket Replacement	25.64	
				For 300 LB Rating Gasket Set, Add	0.02	
				For 150 LB Rating Teflon Gasket Set, Add	0.54	
				For 300 LB Rating Teflon Gasket Set, Add	0.62	
				For Work In Restricted Working Space, Add	7.67	
	23 21	13 23-0631	EA	3/4", 150 LB, Rubber Flange Gasket Replacement	27.39	
				For 300 LB Rating Gasket Set, Add	0.04	
				For 150 LB Rating Teflon Gasket Set, Add	0.77	
				For 300 LB Rating Teflon Gasket Set, Add	0.89	
				For Work In Restricted Working Space, Add	8.19	
	23 21	13 23-0632	EA	1", 150 LB, Rubber Flange Gasket Replacement	30.01	
				For 300 LB Rating Gasket Set, Add	0.06	
				For 150 LB Rating Teflon Gasket Set, Add	1.31	
				For 300 LB Rating Teflon Gasket Set, Add	1.51	
				For Work In Restricted Working Space, Add	8.95	
	23 21	13 23-0633	EA	1-1/4", 150 LB, Rubber Flange Gasket Replacement	32.59	
				For 300 LB Rating Gasket Set, Add	0.07	
				For 150 LB Rating Teflon Gasket Set, Add	1.47	
				For 300 LB Rating Teflon Gasket Set, Add	1.69	
				For Work In Restricted Working Space, Add	9.72	
	23 21	13 23-0634	EA	1-1/2", 150 LB, Rubber Flange Gasket Replacement	36.04	
				For 300 LB Rating Gasket Set, Add	0.08	
				For 150 LB Rating Teflon Gasket Set, Add	1.86	
				For 300 LB Rating Teflon Gasket Set, Add	2.14	
				For Work In Restricted Working Space, Add	10.74	
	23 21	13 23-0635	EA	2", 150 LB, Rubber Flange Gasket Replacement	39.56	
				For 300 LB Rating Gasket Set, Add	0.12	
				For 150 LB Rating Teflon Gasket Set, Add	2.63	
				For 300 LB Rating Teflon Gasket Set, Add	3.03	
				For Work In Restricted Working Space, Add	11.77	
	23 21	13 23-0636	EA	2-1/2", 150 LB, Rubber Flange Gasket Replacement	46.49	
				For 300 LB Rating Gasket Set, Add	0.16	
				For 150 LB Rating Teflon Gasket Set, Add	3.56	
				For 300 LB Rating Teflon Gasket Set, Add	4.09	
				For Work In Restricted Working Space, Add	13.81	
	23 21	13 23-0637	EA	3", 150 LB, Rubber Flange Gasket Replacement	49.12	
				For 300 LB Rating Gasket Set, Add	0.19	
				For 150 LB Rating Teflon Gasket Set, Add	4.10	
				For 300 LB Rating Teflon Gasket Set, Add	4.72	
				For Work In Restricted Working Space, Add	14.58	
	23 21	13 23-0638	EA	4", 150 LB, Rubber Flange Gasket Replacement	64.82	
				For 300 LB Rating Gasket Set, Add	0.30	
				For 150 LB Rating Teflon Gasket Set, Add	6.73	
				For 300 LB Rating Teflon Gasket Set, Add	7.74	
				For Work In Restricted Working Space, Add	19.19	
	23 21	13 23-0639	EA	5", 150 LB, Rubber Flange Gasket Replacement	75.15	
				For 300 LB Rating Gasket Set, Add	0.34	
				For 150 LB Rating Teflon Gasket Set, Add	7.50	
				For 300 LB Rating Teflon Gasket Set, Add	8.63	
				For Work In Restricted Working Space, Add	22.25	
	23 21	13 23-0640	EA	6", 150 LB, Rubber Flange Gasket Replacement	85.66	
				For 300 LB Rating Gasket Set, Add	0.44	
				For 150 LB Rating Teflon Gasket Set, Add	9.74	
				For 300 LB Rating Teflon Gasket Set, Add	11.21	
				For Work In Restricted Working Space, Add	25.32	
	23 21	13 23-0641	EA	8", 150 LB, Rubber Flange Gasket Replacement	104.15	
				For 300 LB Rating Gasket Set, Add	0.64	
				For 150 LB Rating Teflon Gasket Set, Add	14.22	
				For 300 LB Rating Teflon Gasket Set, Add	16.38	
				For Work In Restricted Working Space, Add	30.69	
	23 21	13 23-0642	EA	10", 150 LB, Rubber Flange Gasket Replacement	111.73	
				For 300 LB Rating Gasket Set, Add	0.91	
				For 150 LB Rating Teflon Gasket Set, Add	20.18	
				For 300 LB Rating Teflon Gasket Set, Add	23.23	
				For Work In Restricted Working Space, Add	32.74	
	23 21	13 23-0643	EA	12", 150 LB, Rubber Flange Gasket Replacement	126.96	
				For 300 LB Rating Gasket Set, Add	1.17	
				For 150 LB Rating Teflon Gasket Set, Add	25.82	
				For 300 LB Rating Teflon Gasket Set, Add	29.73	
				For Work In Restricted Working Space, Add	37.09	
	23 21	13 23-0644	EA	14", 150 LB, Rubber Flange Gasket Replacement	131.87	
				For 300 LB Rating Gasket Set, Add	1.40	
				For 150 LB Rating Teflon Gasket Set, Add	30.84	
				For 300 LB Rating Teflon Gasket Set, Add	35.51	
				For Work In Restricted Working Space, Add	38.36	
	23 21	13 23-0645	EA	16", 150 LB, Rubber Flange Gasket Replacement	174.96	
				For 300 LB Rating Gasket Set, Add	1.56	
				For 150 LB Rating Teflon Gasket Set, Add	34.40	
				For 300 LB Rating Teflon Gasket Set, Add	39.61	
				For Work In Restricted Working Space, Add	51.15	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0646	EA	18", 150 LB, Rubber Flange Gasket Replacement	191.34	
			<i>For 300 LB Rating Gasket Set, Add</i>	1.62	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	35.87	
			<i>For 300 LB Rating Teflon Gasket Set, Add</i>	41.30	
			<i>For Work In Restricted Working Space, Add</i>	56.01	
23 21	13 23-0647	EA	20", 150 LB, Rubber Flange Gasket Replacement	232.59	
			<i>For 300 LB Rating Gasket Set, Add</i>	1.74	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	38.50	
			<i>For 300 LB Rating Teflon Gasket Set, Add</i>	44.32	
			<i>For Work In Restricted Working Space, Add</i>	68.28	
23 21	13 23-0648		Cut And Prepare For Welding Existing In-Place Black Steel Pipe <small>(23 21 13 23-0393)</small>		
			Note: For use when connecting pipe to an existing in-place system.		
23 21	13 23-0649	EA	1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	19.11	
			<i>For Work In Restricted Working Space, Add</i>	5.73	
23 21	13 23-0650	EA	3/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	20.64	
			<i>For Work In Restricted Working Space, Add</i>	6.19	
23 21	13 23-0651	EA	1", Cut And Prepare For Welding Existing In Place Black Steel Pipe	23.22	
			<i>For Work In Restricted Working Space, Add</i>	6.97	
23 21	13 23-0652	EA	1-1/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	24.37	
			<i>For Work In Restricted Working Space, Add</i>	7.31	
23 21	13 23-0653	EA	1-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	25.80	
			<i>For Work In Restricted Working Space, Add</i>	7.74	
23 21	13 23-0654	EA	2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	27.71	
			<i>For Work In Restricted Working Space, Add</i>	8.31	
23 21	13 23-0655	EA	2-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	29.62	
			<i>For Work In Restricted Working Space, Add</i>	8.89	
23 21	13 23-0656	EA	3", Cut And Prepare For Welding Existing In Place Black Steel Pipe	32.49	
			<i>For Work In Restricted Working Space, Add</i>	9.75	
23 21	13 23-0657	EA	4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	35.35	
			<i>For Work In Restricted Working Space, Add</i>	10.61	
23 21	13 23-0658	EA	6", Cut And Prepare For Welding Existing In Place Black Steel Pipe	38.22	
			<i>For Work In Restricted Working Space, Add</i>	11.47	
23 21	13 23-0659	EA	8", Cut And Prepare For Welding Existing In Place Black Steel Pipe	41.09	
			<i>For Work In Restricted Working Space, Add</i>	12.33	
23 21	13 23-0660	EA	10", Cut And Prepare For Welding Existing In Place Black Steel Pipe	44.92	
			<i>For Work In Restricted Working Space, Add</i>	13.48	
23 21	13 23-0661	EA	12", Cut And Prepare For Welding Existing In Place Black Steel Pipe	48.74	
			<i>For Work In Restricted Working Space, Add</i>	14.62	
23 21	13 23-0662	EA	14", Cut And Prepare For Welding Existing In Place Black Steel Pipe	52.55	
			<i>For Work In Restricted Working Space, Add</i>	15.77	
23 21	13 23-0663	EA	16", Cut And Prepare For Welding Existing In Place Black Steel Pipe	56.37	
			<i>For Work In Restricted Working Space, Add</i>	16.91	
23 21	13 23-0664	EA	18", Cut And Prepare For Welding Existing In Place Black Steel Pipe	59.25	
			<i>For Work In Restricted Working Space, Add</i>	17.78	
23 21	13 23-0665	EA	20", Cut And Prepare For Welding Existing In Place Black Steel Pipe	62.12	
			<i>For Work In Restricted Working Space, Add</i>	18.64	
23 21	13 23-0666	EA	24", Cut And Prepare For Welding Existing In Place Black Steel Pipe	65.94	
			<i>For Work In Restricted Working Space, Add</i>	19.78	
23 21	13 23-0667		Welded Plain End Electric Resistance Black Steel Pipe <small>(23 21 13 23-0393)</small>		
			Note: ASTM A-135.		
23 21	13 23-0668	LF	2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	18.71	9.49
			<i>For Work In Restricted Working Space, Add</i>	4.66	
23 21	13 23-0669	LF	2-1/2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	20.41	10.35
			<i>For Work In Restricted Working Space, Add</i>	4.66	
23 21	13 23-0670	LF	3" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	21.24	10.18
			<i>For Work In Restricted Working Space, Add</i>	4.57	
23 21	13 23-0671	LF	4" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	26.66	12.94
			<i>For Work In Restricted Working Space, Add</i>	5.82	
23 21	13 23-0672	LF	6" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	42.77	19.15
			<i>For Work In Restricted Working Space, Add</i>	8.61	
23 21	13 23-0673	LF	8.322" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	53.65	22.49
			<i>For Work In Restricted Working Space, Add</i>	10.14	
23 21	13 23-0674	LF	10.365" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	71.54	28.02
			<i>For Work In Restricted Working Space, Add</i>	12.61	
23 21	13 23-0675	LF	12.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	86.73	33.79
			<i>For Work In Restricted Working Space, Add</i>	15.19	
23 21	13 23-0676	LF	14.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	111.03	43.84
			<i>For Work In Restricted Working Space, Add</i>	19.72	
23 21	13 23-0677		Flanged Steel Fittings <small>(23 21 13 23)</small>		
			See CSI section 23 21 13 23-0394 for steel pipe, 23 21 13 23-0525 for welded neck flange ends.		
23 21	13 23-0678		Flanged Steel Fittings, Standard Weight <small>(23 21 13 23-0677)</small>		
			Note: Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0679 Flanged Steel, 90 Degree Elbows <small>(23 21 13 23-0678)</small>						
	23 21	13	23-0680	EA 2" Standard Weight, Flanged Steel, 90 Degree Elbow	565.74	41.07
				<i>For Galvanized Fittings, Add</i>	403.34	
				<i>For Extra Heavy Weight Fittings, Add</i>	605.00	
	23 21	13	23-0681	EA 2-1/2" Standard Weight, Flanged Steel, 90 Degree Elbow	631.05	45.74
				<i>For Galvanized Fittings, Add</i>	449.95	
				<i>For Extra Heavy Weight Fittings, Add</i>	674.93	
	23 21	13	23-0682	EA 3" Standard Weight, Flanged Steel, 90 Degree Elbow	622.88	50.49
				<i>For Galvanized Fittings, Add</i>	437.79	
				<i>For Extra Heavy Weight Fittings, Add</i>	656.69	
	23 21	13	23-0683	EA 4" Standard Weight, Flanged Steel, 90 Degree Elbow	794.82	58.67
				<i>For Galvanized Fittings, Add</i>	565.49	
				<i>For Extra Heavy Weight Fittings, Add</i>	848.23	
	23 21	13	23-0684	EA 5" Standard Weight, Flanged Steel, 90 Degree Elbow	1,124.60	65.70
				<i>For Galvanized Fittings, Add</i>	820.86	
				<i>For Extra Heavy Weight Fittings, Add</i>	1,231.30	
	23 21	13	23-0685	EA 6" Standard Weight, Flanged Steel, 90 Degree Elbow	1,183.49	76.26
				<i>For Galvanized Fittings, Add</i>	855.32	
				<i>For Extra Heavy Weight Fittings, Add</i>	1,282.98	
	23 21	13	23-0686	EA 8" Standard Weight, Flanged Steel, 90 Degree Elbow	1,511.72	84.44
				<i>For Galvanized Fittings, Add</i>	1,108.05	
				<i>For Extra Heavy Weight Fittings, Add</i>	1,662.07	
23 21 13 23-0678 Flanged Steel, Reducing 90 Degree Elbows <small>(23 21 13 23-0678)</small>						
	23 21	13	23-0688	EA 2-1/2" x 2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,083.57	43.45
				<i>For Galvanized Fittings, Add</i>	814.78	
				<i>For Extra Heavy Weight Fittings, Add</i>	1,222.18	
	23 21	13	23-0689	EA 3" x 2-1/2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,126.07	48.12
				<i>For Galvanized Fittings, Add</i>	843.16	
				<i>For Extra Heavy Weight Fittings, Add</i>	1,264.74	
	23 21	13	23-0690	EA 4" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,406.84	54.54
				<i>For Galvanized Fittings, Add</i>	1,060.03	
				<i>For Extra Heavy Weight Fittings, Add</i>	1,590.05	
	23 21	13	23-0691	EA 5" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,749.07	58.06
				<i>For Galvanized Fittings, Add</i>	1,329.60	
				<i>For Extra Heavy Weight Fittings, Add</i>	1,994.40	
	23 21	13	23-0692	EA 6" x 4" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,991.16	67.46
				<i>For Galvanized Fittings, Add</i>	1,512.01	
				<i>For Extra Heavy Weight Fittings, Add</i>	2,268.01	
	23 21	13	23-0693	EA 8" x 6" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	2,788.31	80.39
				<i>For Galvanized Fittings, Add</i>	2,134.25	
				<i>For Extra Heavy Weight Fittings, Add</i>	3,201.37	
23 21 13 23-0694 Flanged Steel, 45 Degree Elbows <small>(23 21 13 23-0678)</small>						
	23 21	13	23-0695	EA 2" Standard Weight, Flanged Steel, 45 Degree Elbow	748.16	41.07
				<i>For Galvanized Fittings, Add</i>	549.27	
				<i>For Extra Heavy Weight Fittings, Add</i>	823.91	
	23 21	13	23-0696	EA 2-1/2" Standard Weight, Flanged Steel, 45 Degree Elbow	778.00	45.74
				<i>For Galvanized Fittings, Add</i>	567.51	
				<i>For Extra Heavy Weight Fittings, Add</i>	851.27	
	23 21	13	23-0697	EA 3" Standard Weight, Flanged Steel, 45 Degree Elbow	805.30	50.49
				<i>For Galvanized Fittings, Add</i>	583.73	
				<i>For Extra Heavy Weight Fittings, Add</i>	875.59	
	23 21	13	23-0698	EA 4" Standard Weight, Flanged Steel, 45 Degree Elbow	1,007.63	58.67
				<i>For Galvanized Fittings, Add</i>	735.74	
				<i>For Extra Heavy Weight Fittings, Add</i>	1,103.60	
	23 21	13	23-0699	EA 5" Standard Weight, Flanged Steel, 45 Degree Elbow	1,469.16	65.70
				<i>For Galvanized Fittings, Add</i>	1,096.51	
				<i>For Extra Heavy Weight Fittings, Add</i>	1,644.77	
	23 21	13	23-0700	EA 6" Standard Weight, Flanged Steel, 45 Degree Elbow	1,421.64	76.26
				<i>For Galvanized Fittings, Add</i>	1,045.84	
				<i>For Extra Heavy Weight Fittings, Add</i>	1,568.76	
	23 21	13	23-0701	EA 8" Standard Weight, Flanged Steel, 45 Degree Elbow	1,681.32	84.44
				<i>For Galvanized Fittings, Add</i>	1,243.73	
				<i>For Extra Heavy Weight Fittings, Add</i>	1,865.59	
23 21 13 23-0702 Flanged Steel, Tees <small>(23 21 13 23-0678)</small>						
	23 21	13	23-0703	EA 2" Standard Weight, Flanged Steel, Tee	718.14	61.57
				<i>For Galvanized Fittings, Add</i>	500.62	
				<i>For Extra Heavy Weight Fittings, Add</i>	750.94	
	23 21	13	23-0704	EA 2-1/2" Standard Weight, Flanged Steel, Tee	936.44	68.61
				<i>For Galvanized Fittings, Add</i>	666.82	
				<i>For Extra Heavy Weight Fittings, Add</i>	1,000.24	
	23 21	13	23-0705	EA 3" Standard Weight, Flanged Steel, Tee	843.14	75.64
				<i>For Galvanized Fittings, Add</i>	583.74	
				<i>For Extra Heavy Weight Fittings, Add</i>	875.60	
	23 21	13	23-0706	EA 4" Standard Weight, Flanged Steel, Tee	1,221.32	88.04
				<i>For Galvanized Fittings, Add</i>	871.51	
				<i>For Extra Heavy Weight Fittings, Add</i>	1,307.27	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0707	EA	5" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,841.11 1,354.67 2,032.01	98.60
23 21	13 23-0708	EA	6" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,251.87 1,664.29 2,496.43	114.43
23 21	13 23-0709	EA	8" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,488.37 1,831.67 2,747.51	132.55
23 21	13 23-0710		Flanged Steel, Reducing Tees (23 21 13 23-0678)		
23 21	13 23-0711	EA	2-1/2" Standard Weight, Flanged Steel, Reducing Tee <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,160.94 849.24 1,273.86	66.32
23 21	13 23-0712	EA	3" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,343.78 987.06 1,480.60	73.36
23 21	13 23-0713	EA	4" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,347.52 1,777.40 2,666.10	83.92
23 21	13 23-0714	EA	5" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,533.85 1,913.08 2,869.62	95.08
23 21	13 23-0715	EA	6" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	3,193.77 2,424.14 3,636.20	109.15
23 21	13 23-0716	EA	8" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	3,999.33 3,052.40 4,578.60	122.61
23 21	13 23-0717		Flanged Steel, Concentric Reducers (23 21 13 23-0678)		
23 21	13 23-0718	EA	3" x 2-1/2" Standard Weight, Flanged Steel, Concentric Reducer <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,110.87 831.00 1,246.50	48.12
23 21	13 23-0719	EA	4" x 3" Standard Weight, Flanged Steel, Concentric Reducer <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,262.43 944.50 1,416.76	54.54
23 21	13 23-0720	EA	5" x 4" Standard Weight, Flanged Steel, Concentric Reducer <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,889.50 1,437.02 2,155.52	62.18
23 21	13 23-0721	EA	6" x 4" Standard Weight, Flanged Steel, Concentric Reducer <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,084.91 1,587.01 2,380.51	67.46
23 21	13 23-0722	EA	8" x 6" Standard Weight, Flanged Steel, Concentric Reducer <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,441.21 1,856.57 2,784.85	80.39
23 21	13 23-0723		Flanged Steel, Eccentric Reducers (23 21 13 23-0678)		
23 21	13 23-0724	EA	4" x 3" Standard Weight, Flanged Steel, Eccentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,477.78 1,116.78 1,675.18	54.54
23 21	13 23-0725	EA	5" x 4" Standard Weight, Flanged Steel, Eccentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,026.32 1,546.47 2,319.71	62.18
23 21	13 23-0726		Plain End Couplings And Fittings (23 21 13 23) Note: For use on standard weight steel pipe (Schedule 40), but may be used on lightwall steel or other metallic pipe such as aluminum or stainless steel.		
23 21	13 23-0727		Plain End Piping System Couplings (23 21 13 23-0726)		
23 21	13 23-0728		Plainlock Plain End Piping System Couplings (23 21 13 23-0727) Note: Ductile iron body with gasket, bolts and nuts.		
23 21	13 23-0729	EA	1" Plainlock Plain End Piping System Coupling <i>For Galvanized Fittings, Add</i>	146.26 27.67	5.27
23 21	13 23-0730	EA	1-1/2" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	149.34 27.67	7.30
23 21	13 23-0731	EA	2" Plainlock Plain End Piping System Coupling <i>For Galvanized Fittings, Add</i>	152.90 27.67	9.68
23 21	13 23-0732	EA	2-1/2" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	155.94 27.67	11.70
23 21	13 23-0733	EA	3" Plainlock Plain End Piping System Coupling <i>For Galvanized Fittings, Add</i>	184.37 32.65	14.08
23 21	13 23-0734	EA	4" Plainlock Plain End Piping System Coupling <i>For Galvanized Fittings, Add</i>	254.35 45.24	18.74
23 21	13 23-0735	EA	6" Plainlock Plain End Piping System Coupling <i>For Galvanized Fittings, Add</i>	427.70 76.39	30.52
23 21	13 23-0736		Roost-A-Bout Plain End Piping System Couplings (23 21 13 23-0727) Note: Ductile iron body with gasket, bolts and nuts.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0737 EA 1-1/2" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	176.21 41.30	7.30
23 21 13 23-0738 EA 2" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	179.77 41.30	9.68
23 21 13 23-0739 EA 2-1/2" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	182.82 41.30	11.78
23 21 13 23-0740 EA 3" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	265.82 61.18	14.08
23 21 13 23-0741 EA 3-1/2" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	307.86 70.80	16.45
23 21 13 23-0742 EA 4" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	311.34 70.80	18.74
23 21 13 23-0743 EA 5" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	439.82 101.15	23.48
23 21 13 23-0744 EA 6" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	539.92 123.54	30.52
23 21 13 23-0745 EA 8" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	930.84 219.07	36.41
23 21 13 23-0746 EA 10" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	1,204.66 285.00	43.09
23 21 13 23-0747 EA 12" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	1,506.98 357.61	51.01
23 21 13 23-0748 EA 14" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	2,115.82 507.81	56.38
23 21 13 23-0749 EA 16" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	2,877.24 695.41	63.77
23 21 13 23-0750 Plain End Piping System Fittings <small>(23 21 13 23-0726)</small>		
<i>Note: Cast ductile iron bodies.</i>		
23 21 13 23-0751 Plain End Piping System, 90 Degree Elbows <small>(23 21 13 23-0750)</small>		
23 21 13 23-0752 EA 1" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	144.96 26.12	9.59
23 21 13 23-0753 EA 1-1/2" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	152.36 26.12	14.51
23 21 13 23-0754 EA 2" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	159.34 26.12	19.18
23 21 13 23-0755 EA 2-1/2" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	165.61 26.12	23.39
23 21 13 23-0756 EA 3" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	199.30 31.37	28.32
23 21 13 23-0757 EA 4" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	284.70 45.75	37.29
23 21 13 23-0758 EA 5" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	861.81 158.36	46.71
23 21 13 23-0759 EA 6" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	721.22 125.92	61.13
23 21 13 23-0760 EA 8" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	1,438.62 265.95	72.57
23 21 13 23-0761 EA 10" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	1,798.41 334.26	84.79
23 21 13 23-0762 EA 12" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	2,280.66 425.59	101.86
23 21 13 23-0763 Plain End Piping System, 45 Degree Elbows <small>(23 21 13 23-0750)</small>		
23 21 13 23-0764 EA 1" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	144.96 26.12	9.59
23 21 13 23-0765 EA 1-1/2" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	152.36 26.12	14.51
23 21 13 23-0766 EA 2" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	159.34 26.12	19.18
23 21 13 23-0767 EA 2-1/2" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	165.61 26.12	23.39
23 21 13 23-0768 EA 3" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	199.30 31.37	28.32
23 21 13 23-0769 EA 4" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	284.70 45.75	37.29
23 21 13 23-0770 EA 5" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	861.81 158.36	46.71
23 21 13 23-0771 EA 6" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	723.64 126.40	61.13
23 21 13 23-0772 EA 8" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	839.52 146.13	72.57
23 21 13 23-0773 EA 10" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	1,146.79 203.94	84.79
23 21 13 23-0774 EA 12" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	1,470.00 263.46	101.86
23 21 13 23-0775 Plain End Piping System, Tees <small>(23 21 13 23-0750)</small>		
23 21 13 23-0776 EA 1" Plain End Piping System, Tee..... <i>For Galvanized Fittings, Add</i>	197.63 35.17	14.51

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0777 EA 1-1/2" Plain End Piping System, Tee	208.53	21.81
For Galvanized Fittings, Add	35.17	
23 21 13 23-0778 EA 2" Plain End Piping System, Tee	218.15	28.23
For Galvanized Fittings, Add	35.17	
23 21 13 23-0779 EA 2-1/2" Plain End Piping System, Tee	227.72	34.56
For Galvanized Fittings, Add	35.17	
23 21 13 23-0780 EA 3" Plain End Piping System, Tee	316.81	42.48
For Galvanized Fittings, Add	50.61	
23 21 13 23-0781 EA 4" Plain End Piping System, Tee	434.32	54.98
For Galvanized Fittings, Add	70.39	
23 21 13 23-0782 EA 5" Plain End Piping System, Tee	880.93	71.86
For Galvanized Fittings, Add	154.63	
23 21 13 23-0783 EA 6" Plain End Piping System, Tee	1,089.11	89.98
For Galvanized Fittings, Add	190.84	
23 21 13 23-0784 EA 8" Plain End Piping System, Tee	1,486.23	109.42
For Galvanized Fittings, Add	264.43	
23 21 13 23-0785 EA 10" Plain End Piping System, Tee	2,210.23	127.53
For Galvanized Fittings, Add	403.80	
23 21 13 23-0786 EA 12" Plain End Piping System, Tee	2,960.34	152.78
For Galvanized Fittings, Add	546.26	
23 21 13 23-0787 Plain End Piping System, Reducing Tees (23 21 13 23-0750)		
23 21 13 23-0788 EA 1-1/2" Plain End Piping System, Reducing Tee	382.66	23.39
For Galvanized Fittings, Add	69.52	
23 21 13 23-0789 EA 2" Plain End Piping System, Reducing Tee	389.89	28.23
For Galvanized Fittings, Add	69.52	
23 21 13 23-0790 EA 2-1/2" Plain End Piping System, Reducing Tee	399.46	34.56
For Galvanized Fittings, Add	69.52	
23 21 13 23-0791 EA 3" Plain End Piping System, Reducing Tee	411.34	42.48
For Galvanized Fittings, Add	69.52	
23 21 13 23-0792 EA 4" Plain End Piping System, Reducing Tee	595.53	54.98
For Galvanized Fittings, Add	102.63	
23 21 13 23-0793 EA 6" Plain End Piping System, Reducing Tee	1,006.33	89.98
For Galvanized Fittings, Add	174.28	
23 21 13 23-0794 EA 8" Plain End Piping System, Reducing Tee	1,311.71	109.42
For Galvanized Fittings, Add	229.52	
23 21 13 23-0795 EA 10" Plain End Piping System, Reducing Tee	1,960.43	127.53
For Galvanized Fittings, Add	353.84	
23 21 13 23-0796 EA 12" Plain End Piping System, Reducing Tee	2,888.86	152.78
For Galvanized Fittings, Add	531.96	
23 21 13 23-0797 Plain End Piping System, Wyes (23 21 13 23-0750)		
23 21 13 23-0798 EA 2" Plain End Piping System, Wye	557.39	28.23
For Galvanized Fittings, Add	103.02	
23 21 13 23-0799 EA 2-1/2" Plain End Piping System, Wye	566.96	34.56
For Galvanized Fittings, Add	103.02	
23 21 13 23-0800 EA 3" Plain End Piping System, Wye	642.75	42.48
For Galvanized Fittings, Add	115.80	
23 21 13 23-0801 EA 4" Plain End Piping System, Wye	941.79	54.98
For Galvanized Fittings, Add	171.89	
23 21 13 23-0802 EA 5" Plain End Piping System, Wye	1,153.61	71.86
For Galvanized Fittings, Add	209.16	
23 21 13 23-0803 EA 6" Plain End Piping System, Wye	1,575.05	89.98
For Galvanized Fittings, Add	288.03	
23 21 13 23-0804 EA 8" Plain End Piping System, Wye	2,029.17	109.42
For Galvanized Fittings, Add	373.01	
23 21 13 23-0805 EA 10" Plain End Piping System, Wye	2,941.50	127.53
For Galvanized Fittings, Add	550.06	
23 21 13 23-0806 EA 12" Plain End Piping System, Wye	4,468.86	152.78
For Galvanized Fittings, Add	847.96	
23 21 13 23-0807 Plain End Piping System, Laterals (23 21 13 23-0750)		
23 21 13 23-0808 EA 2" Plain End Piping System, Lateral	593.82	28.23
For Galvanized Fittings, Add	110.31	
23 21 13 23-0809 EA 2-1/2" Plain End Piping System, Lateral	603.39	34.56
For Galvanized Fittings, Add	110.31	
23 21 13 23-0810 EA 3" Plain End Piping System, Lateral	678.94	42.48
For Galvanized Fittings, Add	123.04	
23 21 13 23-0811 EA 4" Plain End Piping System, Lateral	1,010.90	54.98
For Galvanized Fittings, Add	185.71	
23 21 13 23-0812 EA 5" Plain End Piping System, Lateral	1,318.21	71.86
For Galvanized Fittings, Add	242.08	
23 21 13 23-0813 EA 6" Plain End Piping System, Lateral	1,680.95	89.98
For Galvanized Fittings, Add	309.21	
23 21 13 23-0814 EA 8" Plain End Piping System, Lateral	2,418.16	109.42
For Galvanized Fittings, Add	450.81	
23 21 13 23-0815 EA 10" Plain End Piping System, Lateral	3,373.09	127.53
For Galvanized Fittings, Add	636.38	
23 21 13 23-0816 EA 12" Plain End Piping System, Lateral	4,533.01	152.78
For Galvanized Fittings, Add	860.79	



	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0817 Plain End Piping System, Crosses <small>(23 21 13 23-0750)</small>			
23 21 13 23-0818	EA 2" Plain End Piping System, Cross..... <i>For Galvanized Fittings, Add</i>	662.23 74.86	42.31
23 21 13 23-0819	EA 2-1/2" Plain End Piping System, Cross..... <i>For Galvanized Fittings, Add</i>	676.56 74.86	51.81
23 21 13 23-0820	EA 3" Plain End Piping System, Cross..... <i>For Galvanized Fittings, Add</i>	790.20 86.82	63.77
23 21 13 23-0821	EA 4" Plain End Piping System, Cross..... <i>For Galvanized Fittings, Add</i>	1,077.74 119.28	82.42
23 21 13 23-0822	EA 5" Plain End Piping System, Cross..... <i>For Galvanized Fittings, Add</i>	1,516.97 169.41	107.83
23 21 13 23-0823	EA 6" Plain End Piping System, Cross..... <i>For Galvanized Fittings, Add</i>	1,991.29 223.69	134.58
23 21 13 23-0824	EA 8" Plain End Piping System, Cross..... <i>For Galvanized Fittings, Add</i>	2,540.14 286.98	162.98
23 21 13 23-0825	EA 10" Plain End Piping System, Cross..... <i>For Galvanized Fittings, Add</i>	3,635.32 418.72	190.52
23 21 13 23-0826	EA 12" Plain End Piping System, Cross..... <i>For Galvanized Fittings, Add</i>	5,173.65 603.76	229.22
23 21 13 23-0827 Plain End Piping System, Adapter Nipples <small>(23 21 13 23-0750)</small>			
Note: Plain to threaded, plain to beveled or plain to grooved.			
23 21 13 23-0828	EA 1" Plain End Piping System, Adapter Nipple..... <i>For Galvanized Fittings, Add</i>	24.40 4.12	5.27
23 21 13 23-0829	EA 1-1/2" Plain End Piping System, Adapter Nipple..... <i>For Galvanized Fittings, Add</i>	27.93 4.23	7.30
23 21 13 23-0830	EA 2" Plain End Piping System, Adapter Nipple..... <i>For Galvanized Fittings, Add</i>	31.40 4.23	9.68
23 21 13 23-0831	EA 2-1/2" Plain End Piping System, Adapter Nipple..... <i>For Galvanized Fittings, Add</i>	37.43 4.96	11.70
23 21 13 23-0832	EA 3" Plain End Piping System, Adapter Nipple..... <i>For Galvanized Fittings, Add</i>	45.63 6.13	14.08
23 21 13 23-0833	EA 4" Plain End Piping System, Adapter Nipple..... <i>For Galvanized Fittings, Add</i>	69.14 10.25	18.74
23 21 13 23-0834	EA 6" Plain End Piping System, Adapter Nipple..... <i>For Galvanized Fittings, Add</i>	146.06 27.72	23.48
23 21 13 23-0835 Plain End Piping System, Reducing (Swaged) Nipples <small>(23 21 13 23-0750)</small>			
23 21 13 23-0836	EA 1-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	74.30 13.85	12.58
23 21 13 23-0837	EA 2" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	77.83 13.85	14.95
23 21 13 23-0838	EA 2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	81.38 13.85	17.33
23 21 13 23-0839	EA 2-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	80.52 13.85	16.80
23 21 13 23-0840	EA 2-1/2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	83.99 13.85	19.09
23 21 13 23-0841	EA 2-1/2" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	87.49 13.85	21.37
23 21 13 23-0842	EA 3" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	96.43 16.87	19.35
23 21 13 23-0843	EA 3" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	99.56 16.87	21.37
23 21 13 23-0844	EA 3" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	87.52 12.97	23.75
23 21 13 23-0845	EA 3" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	94.33 12.97	28.32
23 21 13 23-0846	EA 3-1/2" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	107.76 15.51	30.52
23 21 13 23-0847	EA 4" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	130.91 23.72	24.01
23 21 13 23-0848	EA 4" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	133.99 23.72	26.12
23 21 13 23-0849	EA 4" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	114.53 17.96	28.50
23 21 13 23-0850	EA 4" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	117.55 17.96	30.52
23 21 13 23-0851	EA 4" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	121.13 17.96	32.89
23 21 13 23-0852	EA 4" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	124.56 17.96	35.19
23 21 13 23-0853	EA 5" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	313.91 66.04	33.16
23 21 13 23-0854	EA 5" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	260.13 50.97	37.47
23 21 13 23-0855	EA 5" x 4" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	231.15 41.95	42.31
23 21 13 23-0856	EA 6" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	556.96 125.83	35.80

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0857 EA 6" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	560.01 125.83	37.82
23 21 13 23-0858 EA 6" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	432.52 93.07	40.20
23 21 13 23-0859 EA 6" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	435.65 93.07	42.31
23 21 13 23-0860 EA 6" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	308.11 60.32	44.59
23 21 13 23-0861 EA 6" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	311.30 60.32	46.71
23 21 13 23-0862 EA 6" x 4" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	256.77 45.75	49.25
23 21 13 23-0863 EA 6" x 5" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	290.65 52.45	53.92
23 21 13 23-0864 EA 8" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	366.53 72.74	50.40
23 21 13 23-0865 EA 8" x 4" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	373.64 72.74	55.15
23 21 13 23-0866 EA 8" x 5" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	420.76 82.75	59.90
23 21 13 23-0867 EA 8" x 6" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	471.45 92.76	66.93
23 21 13 23-0868 Plain End Piping System, Bull Plugs (23 21 13 23-0750)		
23 21 13 23-0869 EA 1" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	291.86 85.18	5.27
23 21 13 23-0870 EA 1-1/2" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	294.94 85.18	7.30
23 21 13 23-0871 EA 2" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	298.41 85.18	9.68
23 21 13 23-0872 EA 2-1/2" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	301.53 85.18	11.70
23 21 13 23-0873 EA 3" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	437.33 124.87	14.08
23 21 13 23-0874 EA 4" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	565.76 161.29	18.74
23 21 13 23-0875 EA 5" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	985.27 285.03	23.48
23 21 13 23-0876 EA 6" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	1,312.91 380.15	30.52
23 21 13 23-0877 EA 8" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	2,436.88 714.71	36.32
23 21 13 23-0878 EA 10" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	4,388.50 1,297.43	42.48
23 21 13 23-0879 EA 12" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	6,727.23 1,995.22	51.01
23 21 13 23-0880 Carbon Steel Piping Systems (23 21 13 23)		
23 21 13 23-0881 Class 3,000 LB Carbon Steel Socket Weld Fittings (23 21 13 23-0880) Note: ASTM A105		
23 21 13 23-0882 90 Degree Elbows, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0881)		
23 21 13 23-0883 EA 1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	32.54	17.42
23 21 13 23-0884 EA 3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	36.57	19.44
23 21 13 23-0885 EA 1" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	46.23	21.72
23 21 13 23-0886 EA 1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	62.34	24.63
23 21 13 23-0887 EA 1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	71.21	27.71
23 21 13 23-0888 EA 2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	96.33	35.27
23 21 13 23-0889 EA 2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	188.56	52.16
23 21 13 23-0890 EA 3" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	267.63	68.61
23 21 13 23-0891 EA 4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	457.44	71.76
23 21 13 23-0892 45 Degree Elbows, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0881)		
23 21 13 23-0893 EA 1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	35.40	17.42
23 21 13 23-0894 EA 3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	40.89	19.44
23 21 13 23-0895 EA 1" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	47.56	21.72
23 21 13 23-0896 EA 1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	64.02	24.63
23 21 13 23-0897 EA 1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	75.24	27.71
23 21 13 23-0898 EA 2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	96.24	35.27
23 21 13 23-0899 EA 2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	213.22	52.16
23 21 13 23-0900 EA 3" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	288.50	68.61
23 21 13 23-0901 EA 4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	448.41	71.76
23 21 13 23-0902 Straight Tees, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0881)		
23 21 13 23-0903 EA 1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	39.94	21.72
23 21 13 23-0904 EA 3/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	48.22	25.06
23 21 13 23-0905 EA 1" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	63.23	29.64
23 21 13 23-0906 EA 1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	83.50	35.27



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				23 21 13 23-0907 EA 1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	101.09	42.05
				23 21 13 23-0908 EA 2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	133.39	52.16
				23 21 13 23-0909 EA 2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	235.79	68.61
				23 21 13 23-0910 EA 3" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	321.75	81.45
				23 21 13 23-0911 EA 4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	604.76	90.61
23 21 13 23-0912				Reducing Tees, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0881)		
				23 21 13 23-0913 EA 1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	40.73	21.72
				23 21 13 23-0914 EA 3/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	49.03	25.06
				23 21 13 23-0915 EA 1" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	64.20	29.64
				23 21 13 23-0916 EA 1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	85.79	35.27
				23 21 13 23-0917 EA 1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	103.77	42.05
				23 21 13 23-0918 EA 2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	137.52	52.16
				23 21 13 23-0919 EA 2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	245.60	68.61
				23 21 13 23-0920 EA 3" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	335.86	81.45
				23 21 13 23-0921 EA 4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	554.53	90.61
23 21 13 23-0922				Straight Couplings, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0881)		
				23 21 13 23-0923 EA 1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	29.02	17.42
				23 21 13 23-0924 EA 3/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	32.68	19.44
				23 21 13 23-0925 EA 1" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	37.96	21.72
				23 21 13 23-0926 EA 1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	43.66	24.63
				23 21 13 23-0927 EA 1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	50.70	27.71
				23 21 13 23-0928 EA 2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	66.14	35.27
				23 21 13 23-0929 EA 2-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	111.68	52.16
				23 21 13 23-0930 EA 3" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	149.07	68.61
				23 21 13 23-0931 EA 4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	199.71	71.76
23 21 13 23-0932				Reducing Couplings, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0881)		
				23 21 13 23-0933 EA 1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	30.61	17.42
				23 21 13 23-0934 EA 3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	34.42	19.44
				23 21 13 23-0935 EA 1" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	40.75	21.72
				23 21 13 23-0936 EA 1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	47.04	24.63
				23 21 13 23-0937 EA 1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	55.72	27.71
				23 21 13 23-0938 EA 2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	71.50	35.27
				23 21 13 23-0939 EA 2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	123.48	52.16
				23 21 13 23-0940 EA 3" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	172.80	68.61
				23 21 13 23-0941 EA 4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	249.05	71.76
23 21 13 23-0942				Caps, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0881)		
				23 21 13 23-0943 EA 1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	16.90	8.18
				23 21 13 23-0944 EA 3/4" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	19.16	8.70
				23 21 13 23-0945 EA 1" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	22.45	10.03
				23 21 13 23-0946 EA 1-1/4" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	25.97	10.91
				23 21 13 23-0947 EA 1-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	29.52	10.91
				23 21 13 23-0948 EA 2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	38.28	13.99
				23 21 13 23-0949 EA 2-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	66.72	17.42
				23 21 13 23-0950 EA 3" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	95.57	21.02
				23 21 13 23-0951 EA 4" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	136.75	24.56
23 21 13 23-0952				Black Cast Iron Square Head Plug (23 21 13 23-0881)		
				23 21 13 23-0953 EA 1/2" Square Head Plug, Black, Cast Iron.....	11.39	6.95
				23 21 13 23-0954 EA 3/4" Square Head Plug, Black, Cast Iron.....	12.90	6.95
				23 21 13 23-0955 EA 1" Square Head Plug, Black, Cast Iron.....	18.59	10.55
				23 21 13 23-0956 EA 1-1/4" Square Head Plug, Black, Cast Iron.....	18.89	10.55
				23 21 13 23-0957 EA 1-1/2" Square Head Plug, Black, Cast Iron.....	20.15	10.55
				23 21 13 23-0958 EA 2" Square Head Plug, Black, Cast Iron.....	26.70	13.99
				23 21 13 23-0959 EA 2-1/2" Square Head Plug, Black, Cast Iron.....	34.30	17.42
				23 21 13 23-0960 EA 3" Square Head Plug, Black, Cast Iron.....	44.74	21.02
				23 21 13 23-0961 EA 4" Square Head Plug, Black, Cast Iron.....	52.40	24.56
23 21 13 23-0962				Unions, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0881)		
				23 21 13 23-0963 EA 1/2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	49.17	21.72
				23 21 13 23-0964 EA 3/4" Union, Carbon Steel, Socket Weld, 3,000 LB.....	54.61	25.06
				23 21 13 23-0965 EA 1" Union, Carbon Steel, Socket Weld, 3,000 LB.....	69.30	29.64
				23 21 13 23-0966 EA 1-1/4" Union, Carbon Steel, Socket Weld, 3,000 LB.....	87.16	35.27
				23 21 13 23-0967 EA 1-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	104.95	42.05
				23 21 13 23-0968 EA 2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	131.14	52.16
				23 21 13 23-0969 EA 2-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	220.58	56.65
				23 21 13 23-0970 EA 3" Union, Carbon Steel, Socket Weld, 3,000 LB.....	295.07	68.61
23 21 13 23-0971				Class 6,000 LB Carbon Steel Socket Weld Fittings (23 21 13 23-0880)		
				Note: ASTM A105		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0972 90 Degree Elbow, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0971)		
23 21 13 23-0973 EA 1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	35.98	17.42
23 21 13 23-0974 EA 3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	40.51	19.44
23 21 13 23-0975 EA 1" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	53.49	21.72
23 21 13 23-0976 EA 1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	75.86	24.63
23 21 13 23-0977 EA 1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	86.94	27.71
23 21 13 23-0978 EA 2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	119.43	35.27
23 21 13 23-0979 EA 2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	247.18	52.16
23 21 13 23-0980 EA 3" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	355.14	68.61
23 21 13 23-0981 EA 4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	643.26	71.76
23 21 13 23-0982 45 Degree Elbow, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0971)		
23 21 13 23-0983 EA 1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	40.68	17.42
23 21 13 23-0984 EA 3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	47.53	19.44
23 21 13 23-0985 EA 1" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	56.04	21.72
23 21 13 23-0986 EA 1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	79.38	24.63
23 21 13 23-0987 EA 1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	94.29	27.71
23 21 13 23-0988 EA 2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	120.83	35.27
23 21 13 23-0989 EA 2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	289.68	52.16
23 21 13 23-0990 EA 3" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	393.60	68.61
23 21 13 23-0991 EA 4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	641.40	71.76
23 21 13 23-0992 Straight Tees, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0971)		
23 21 13 23-0993 EA 1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	46.76	21.72
23 21 13 23-0994 EA 3/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	58.07	25.06
23 21 13 23-0995 EA 1" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	80.66	29.64
23 21 13 23-0996 EA 1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	111.91	35.27
23 21 13 23-0997 EA 1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	136.31	42.05
23 21 13 23-0998 EA 2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	184.53	52.16
23 21 13 23-0999 EA 2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	358.91	68.61
23 21 13 23-1000 EA 3" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	506.61	81.45
23 21 13 23-1001 EA 4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	1,039.06	90.61
23 21 13 23-1002 Reducing Tees, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0971)		
23 21 13 23-1003 EA 1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	40.73	21.72
23 21 13 23-1004 EA 3/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	49.03	25.06
23 21 13 23-1005 EA 1" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	64.20	29.64
23 21 13 23-1006 EA 1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	85.79	35.27
23 21 13 23-1007 EA 1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	103.77	42.05
23 21 13 23-1008 EA 2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	137.52	52.16
23 21 13 23-1009 EA 2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	245.60	68.61
23 21 13 23-1010 EA 3" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	335.86	81.45
23 21 13 23-1011 EA 4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	554.53	90.61
23 21 13 23-1012 Straight Couplings, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0971)		
23 21 13 23-1013 EA 1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	30.45	17.42
23 21 13 23-1014 EA 3/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	34.37	19.44
23 21 13 23-1015 EA 1" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	40.55	21.72
23 21 13 23-1016 EA 1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	46.93	24.63
23 21 13 23-1017 EA 1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	55.11	27.71
23 21 13 23-1018 EA 2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	72.58	35.27
23 21 13 23-1019 EA 2-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	127.88	52.16
23 21 13 23-1020 EA 3" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	171.41	68.61
23 21 13 23-1021 EA 4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	244.28	71.76
23 21 13 23-1022 Reducing Couplings, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0971)		
23 21 13 23-1023 EA 1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	32.80	17.42
23 21 13 23-1024 EA 3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	36.95	19.44
23 21 13 23-1025 EA 1" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	44.68	21.72
23 21 13 23-1026 EA 1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	51.91	24.63
23 21 13 23-1027 EA 1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	62.50	27.71
23 21 13 23-1028 EA 2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	80.47	35.27
23 21 13 23-1029 EA 2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	145.22	52.16
23 21 13 23-1030 EA 3" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	206.37	68.61
23 21 13 23-1031 EA 4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	316.97	71.76
23 21 13 23-1032 Caps, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0971)		
23 21 13 23-1033 EA 1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	20.04	8.18
23 21 13 23-1034 EA 3/4" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	23.27	8.70
23 21 13 23-1035 EA 1" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	27.43	10.03
23 21 13 23-1036 EA 1-1/4" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	32.47	10.91
23 21 13 23-1037 EA 1-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	38.40	10.91
23 21 13 23-1038 EA 2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	49.87	13.99



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1039 EA 2-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	94.00	17.42
23 21 13 23-1040 EA 3" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	138.56	21.02
23 21 13 23-1041 EA 4" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	203.78	24.56
23 21 13 23-1042 Black Cast Iron Square Head Plug (23 21 13 23-0971)		
23 21 13 23-1043 EA 1/2" Square Head Plug, Black Cast Iron.....	11.39	6.95
23 21 13 23-1044 EA 3/4" Square Head Plug, Black Cast Iron.....	12.92	6.95
23 21 13 23-1045 EA 1" Square Head Plug, Black Cast Iron.....	18.60	10.55
23 21 13 23-1046 EA 1-1/4" Square Head Plug, Black Cast Iron.....	18.91	10.55
23 21 13 23-1047 EA 1-1/2" Square Head Plug, Black Cast Iron.....	20.17	10.55
23 21 13 23-1048 EA 2" Square Head Plug, Black Cast Iron.....	26.73	13.99
23 21 13 23-1049 EA 2-1/2" Square Head Plug, Black Cast Iron.....	34.34	17.42
23 21 13 23-1050 EA 3" Square Head Plug, Black Cast Iron.....	44.81	21.02
23 21 13 23-1051 EA 4" Square Head Plug, Black Cast Iron.....	52.48	24.56
23 21 13 23-1052 Unions, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0971)		
23 21 13 23-1053 EA 1/2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	59.31	21.72
23 21 13 23-1054 EA 3/4" Union, Carbon Steel, Socket Weld, 6,000 LB.....	65.02	25.06
23 21 13 23-1055 EA 1" Union, Carbon Steel, Socket Weld, 6,000 LB.....	84.51	29.64
23 21 13 23-1056 EA 1-1/4" Union, Carbon Steel, Socket Weld, 6,000 LB.....	108.15	35.27
23 21 13 23-1057 EA 1-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	130.58	42.05
23 21 13 23-1058 EA 2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	163.52	52.16
23 21 13 23-1059 EA 2-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	303.50	56.65
23 21 13 23-1060 EA 3" Union, Carbon Steel, Socket Weld, 6,000 LB.....	412.59	68.61
23 21 13 23-1061 Carbon Steel Piping System (23 21 13 23-0880)		
Note: ASTM A106 Excludes hangers or fittings. Demolition Note applies to all pipe demolition.		
23 21 13 23-1062 Schedule 40 Carbon Steel Piping (23 21 13 23-1061)		
Note: ASTM A106 Excludes hangers, elbow, tee, or reducer fittings.		
23 21 13 23-1063 LF 1/4" ASTM A106 Carbon Steel Pipe, Schedule 40.....	6.79	3.25
For Schedule 80, Add	0.68	
23 21 13 23-1064 LF 1/2" ASTM A106 Carbon Steel Pipe, Schedule 40.....	7.07	3.52
For Schedule 80, Add	0.63	
For Schedule 160, Add	2.61	
23 21 13 23-1065 LF 3/4" ASTM A106 Carbon Steel Pipe, Schedule 40.....	7.80	3.78
For Schedule 80, Add	0.77	
For Schedule 160, Add	3.20	
23 21 13 23-1066 LF 1" ASTM A106 Carbon Steel Pipe, Schedule 40.....	8.35	4.14
For Schedule 80, Add	0.79	
For Schedule 160, Add	3.30	
23 21 13 23-1067 LF 1-1/2" ASTM A106 Carbon Steel Pipe, Schedule 40.....	10.89	5.10
For Schedule 80, Add	1.17	
For Schedule 160, Add	4.86	
23 21 13 23-1068 LF 2" ASTM A106 Carbon Steel Pipe, Schedule 40.....	13.52	6.16
For Schedule 80, Add	1.53	
For Schedule 160, Add	6.39	
23 21 13 23-1069 90 Degree Elbows, Screwed Carbon Steel (23 21 13 23-1061)		
23 21 13 23-1070 EA 1/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	24.13	13.37
23 21 13 23-1071 EA 1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	29.06	15.66
23 21 13 23-1072 EA 3/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	32.47	17.51
23 21 13 23-1073 EA 1" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	37.16	19.53
23 21 13 23-1074 EA 1-1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	57.68	24.98
23 21 13 23-1075 EA 2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	73.10	31.76
23 21 13 23-1076 EA 1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	25.43	13.37
23 21 13 23-1077 EA 1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	29.55	15.66
23 21 13 23-1078 EA 3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	34.08	17.51
23 21 13 23-1079 EA 1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	40.66	19.53
23 21 13 23-1080 EA 1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	66.04	24.98
23 21 13 23-1081 EA 2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	82.34	31.76
23 21 13 23-1082 EA 1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	34.10	15.66
23 21 13 23-1083 EA 3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	39.81	17.51
23 21 13 23-1084 EA 1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	46.69	19.53
23 21 13 23-1085 EA 1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	82.96	24.98
23 21 13 23-1086 EA 2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	127.21	31.76
23 21 13 23-1087 45 Degree Elbows, Screwed Carbon Steel (23 21 13 23-1061)		
23 21 13 23-1088 EA 1/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	26.88	13.37
23 21 13 23-1089 EA 1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	30.11	15.66
23 21 13 23-1090 EA 3/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	33.83	17.51
23 21 13 23-1091 EA 1" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	38.19	19.53
23 21 13 23-1092 EA 1-1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	54.34	24.98
23 21 13 23-1093 EA 2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	78.25	31.76
23 21 13 23-1094 EA 1/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	27.09	13.37
23 21 13 23-1095 EA 1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	31.30	15.66
23 21 13 23-1096 EA 3/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	35.21	17.51

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1097 EA 1" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	41.77	19.53
23 21 13 23-1098 EA 1-1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	64.75	24.98
23 21 13 23-1099 EA 2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	85.22	31.76
23 21 13 23-1100 EA 1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	37.24	15.66
23 21 13 23-1101 EA 3/4" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	45.49	17.51
23 21 13 23-1102 EA 1" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	48.82	19.53
23 21 13 23-1103 EA 1-1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	95.03	24.98
23 21 13 23-1104 EA 2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	128.01	31.76
23 21 13 23-1105 Straight Tees, Screwed Carbon Steel <small>(23 21 13 23-1061)</small>		
23 21 13 23-1106 EA 1/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel	32.14	18.55
23 21 13 23-1107 EA 1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	36.58	19.53
23 21 13 23-1108 EA 3/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel	43.74	22.61
23 21 13 23-1109 EA 1" Tee, Straight, 2,000 LB, Screwed Carbon Steel	53.54	26.65
23 21 13 23-1110 EA 1-1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	85.24	37.82
23 21 13 23-1111 EA 2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	105.68	46.97
23 21 13 23-1112 EA 1/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel	33.26	18.55
23 21 13 23-1113 EA 1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	37.31	19.53
23 21 13 23-1114 EA 3/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel	46.16	22.61
23 21 13 23-1115 EA 1" Tee, Straight, 3,000 LB, Screwed Carbon Steel	55.61	26.65
23 21 13 23-1116 EA 1-1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	92.42	37.82
23 21 13 23-1117 EA 2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	117.55	46.97
23 21 13 23-1118 EA 1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	42.77	19.53
23 21 13 23-1119 EA 3/4" Tee, Straight, 6,000 LB, Screwed Carbon Steel	52.03	22.61
23 21 13 23-1120 EA 1" Tee, Straight, 6,000 LB, Screwed Carbon Steel	70.11	26.65
23 21 13 23-1121 EA 1-1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	108.90	37.82
23 21 13 23-1122 EA 2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	170.09	46.97
23 21 13 23-1123 Crosses, Screwed Carbon Steel <small>(23 21 13 23-1061)</small>		
23 21 13 23-1124 EA 1/4" Cross, 2,000 LB, Screwed Carbon Steel	47.87	23.48
23 21 13 23-1125 EA 1/2" Cross, 2,000 LB, Screwed Carbon Steel	56.43	26.39
23 21 13 23-1126 EA 3/4" Cross, 2,000 LB, Screwed Carbon Steel	60.62	28.14
23 21 13 23-1127 EA 1" Cross, 2,000 LB, Screwed Carbon Steel	74.90	33.95
23 21 13 23-1128 EA 1-1/2" Cross, 2,000 LB, Screwed Carbon Steel	128.99	47.50
23 21 13 23-1129 EA 2" Cross, 2,000 LB, Screwed Carbon Steel	166.21	58.67
23 21 13 23-1130 EA 1/2" Cross, 3,000 LB, Screwed Carbon Steel	57.80	26.39
23 21 13 23-1131 EA 3/4" Cross, 3,000 LB, Screwed Carbon Steel	68.46	28.14
23 21 13 23-1132 EA 1" Cross, 3,000 LB, Screwed Carbon Steel	81.77	33.95
23 21 13 23-1133 EA 1-1/2" Cross, 3,000 LB, Screwed Carbon Steel	138.89	47.50
23 21 13 23-1134 EA 2" Cross, 3,000 LB, Screwed Carbon Steel	184.29	58.67
23 21 13 23-1135 EA 1/2" Cross, 6,000 LB, Screwed Carbon Steel	83.36	26.39
23 21 13 23-1136 EA 3/4" Cross, 6,000 LB, Screwed Carbon Steel	138.22	28.14
23 21 13 23-1137 EA 1" Cross, 6,000 LB, Screwed Carbon Steel	189.26	33.95
23 21 13 23-1138 EA 1-1/2" Cross, 6,000 LB, Screwed Carbon Steel	298.73	47.50
23 21 13 23-1139 EA 2" Cross, 6,000 LB, Screwed Carbon Steel	328.01	58.67
23 21 13 23-1140 Straight Couplings, Screwed Carbon Steel <small>(23 21 13 23-1061)</small>		
23 21 13 23-1141 EA 1/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	22.49	13.37
23 21 13 23-1142 EA 1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	25.72	15.66
23 21 13 23-1143 EA 3/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	29.37	17.51
23 21 13 23-1144 EA 1" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	34.02	19.53
23 21 13 23-1145 EA 1-1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	49.25	24.98
23 21 13 23-1146 EA 2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	62.50	31.76
23 21 13 23-1147 EA 1/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	25.76	13.37
23 21 13 23-1148 EA 1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	27.79	15.66
23 21 13 23-1149 EA 3/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	30.96	17.51
23 21 13 23-1150 EA 1" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	36.14	19.53
23 21 13 23-1151 EA 1-1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	52.49	24.98
23 21 13 23-1152 EA 2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	74.34	31.76
23 21 13 23-1153 Reducing Couplings, Screwed Carbon Steel <small>(23 21 13 23-1061)</small>		
23 21 13 23-1154 EA 1/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	22.94	14.25
23 21 13 23-1155 EA 1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	26.79	15.66
23 21 13 23-1156 EA 3/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	31.01	17.51
23 21 13 23-1157 EA 1" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	36.29	19.53
23 21 13 23-1158 EA 1-1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	49.84	24.98
23 21 13 23-1159 EA 2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	65.69	31.76
23 21 13 23-1160 EA 1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	68.74	15.66
23 21 13 23-1161 EA 3/4" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	71.54	17.51
23 21 13 23-1162 EA 1" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	83.53	19.53
23 21 13 23-1163 EA 1-1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	119.71	24.98
23 21 13 23-1164 EA 2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	171.45	31.76
23 21 13 23-1165 Caps, Screwed Carbon Steel <small>(23 21 13 23-1061)</small>		
23 21 13 23-1166 EA 1/4" Cap, 3,000 LB, Screwed Carbon Steel	6.82	3.25



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1167 EA 1/2" Cap, 3,000 LB, Screwed Carbon Steel.....	7.58	3.69
23 21 13 23-1168 EA 3/4" Cap, 3,000 LB, Screwed Carbon Steel.....	9.21	4.23
23 21 13 23-1169 EA 1" Cap, 3,000 LB, Screwed Carbon Steel.....	11.81	4.93
23 21 13 23-1170 EA 1-1/2" Cap, 3,000 LB, Screwed Carbon Steel.....	15.96	5.90
23 21 13 23-1171 EA 2" Cap, 3,000 LB, Screwed Carbon Steel.....	22.15	7.30
23 21 13 23-1172 EA 1/4" Cap, 6,000 LB, Screwed Carbon Steel.....	10.75	3.25
23 21 13 23-1173 EA 1/2" Cap, 6,000 LB, Screwed Carbon Steel.....	10.10	3.69
23 21 13 23-1174 EA 3/4" Cap, 6,000 LB, Screwed Carbon Steel.....	13.31	4.23
23 21 13 23-1175 EA 1" Cap, 6,000 LB, Screwed Carbon Steel.....	14.80	4.93
23 21 13 23-1176 EA 1-1/2" Cap, 6,000 LB, Screwed Carbon Steel.....	28.17	5.90
23 21 13 23-1177 EA 2" Cap, 6,000 LB, Screwed Carbon Steel.....	34.05	7.30
23 21 13 23-1178 Nipples, Screwed Carbon Steel (23 21 13 23-1061)		
23 21 13 23-1179 EA 1/4" Nipple, 2" Long, Screwed Carbon Steel.....	13.81	8.00
23 21 13 23-1180 EA 1/2" Nipple, 2" Long, Screwed Carbon Steel.....	14.06	8.35
23 21 13 23-1181 EA 3/4" Nipple, 2" Long, Screwed Carbon Steel.....	13.96	8.35
23 21 13 23-1182 EA 1" Nipple, 2" Long, Screwed Carbon Steel.....	15.52	9.06
23 21 13 23-1183 EA 1-1/2" Nipple, 2" Long, Screwed Carbon Steel.....	17.66	9.76
23 21 13 23-1184 EA 2" Nipple, 2" Long, Screwed Carbon Steel.....	21.18	12.58
23 21 13 23-1185 EA 1/4" Nipple, 4" Long, Screwed Carbon Steel.....	14.56	8.00
23 21 13 23-1186 EA 1/2" Nipple, 4" Long, Screwed Carbon Steel.....	14.66	8.35
23 21 13 23-1187 EA 3/4" Nipple, 4" Long, Screwed Carbon Steel.....	14.64	8.35
23 21 13 23-1188 EA 1" Nipple, 4" Long, Screwed Carbon Steel.....	16.43	9.06
23 21 13 23-1189 EA 1-1/2" Nipple, 4" Long, Screwed Carbon Steel.....	19.28	9.76
23 21 13 23-1190 EA 2" Nipple, 4" Long, Screwed Carbon Steel.....	23.55	12.58
23 21 13 23-1191 EA 1/4" Nipple, 6" Long, Screwed Carbon Steel.....	16.35	8.00
23 21 13 23-1192 EA 1/2" Nipple, 6" Long, Screwed Carbon Steel.....	15.60	8.35
23 21 13 23-1193 EA 3/4" Nipple, 6" Long, Screwed Carbon Steel.....	15.69	8.35
23 21 13 23-1194 EA 1" Nipple, 6" Long, Screwed Carbon Steel.....	17.73	9.06
23 21 13 23-1195 EA 1-1/2" Nipple, 6" Long, Screwed Carbon Steel.....	21.50	9.76
23 21 13 23-1196 EA 2" Nipple, 6" Long, Screwed Carbon Steel.....	25.51	12.58
23 21 13 23-1197 Unions, Screwed Carbon Steel (23 21 13 23-1061)		
23 21 13 23-1198 EA 1/4" Union, 3,000 LB, Screwed Carbon Steel.....	29.05	19.44
23 21 13 23-1199 EA 1/2" Union, 3,000 LB, Screwed Carbon Steel.....	30.60	19.53
23 21 13 23-1200 EA 3/4" Union, 3,000 LB, Screwed Carbon Steel.....	35.15	22.61
23 21 13 23-1201 EA 1" Union, 3,000 LB, Screwed Carbon Steel.....	41.92	26.65
23 21 13 23-1202 EA 1-1/2" Union, 3,000 LB, Screwed Carbon Steel.....	59.99	37.82
23 21 13 23-1203 EA 2" Union, 3,000 LB, Screwed Carbon Steel.....	74.46	46.97
23 21 13 23-1204 EA 1/4" Union, 6,000 LB, Screwed Carbon Steel.....	46.45	19.44
23 21 13 23-1205 EA 1/2" Union, 6,000 LB, Screwed Carbon Steel.....	51.64	19.53
23 21 13 23-1206 EA 3/4" Union, 6,000 LB, Screwed Carbon Steel.....	60.62	22.61
23 21 13 23-1207 EA 1" Union, 6,000 LB, Screwed Carbon Steel.....	73.31	26.65
23 21 13 23-1208 EA 1-1/2" Union, 6,000 LB, Screwed Carbon Steel.....	124.18	37.82
23 21 13 23-1209 EA 2" Union, 6,000 LB, Screwed Carbon Steel.....	153.46	46.97
23 21 13 23-1210 Weld Neck Flanges, Screwed Carbon Steel (23 21 13 23-1061)		
23 21 13 23-1211 EA 1/2" Flange, 150 LB, Screwed Carbon Steel.....	63.75	36.32
23 21 13 23-1212 EA 3/4" Flange, 150 LB, Screwed Carbon Steel.....	66.69	38.08
23 21 13 23-1213 EA 1" Flange, 150 LB, Screwed Carbon Steel.....	69.18	39.75
23 21 13 23-1214 EA 1-1/2" Flange, 150 LB, Screwed Carbon Steel.....	77.02	44.78
23 21 13 23-1215 EA 2" Flange, 150 LB, Screwed Carbon Steel.....	79.95	46.71
23 21 13 23-1216 EA 1/2" Flange, 300 LB, Screwed Carbon Steel.....	64.35	36.32
For Ring Type Joint, Add	9.84	
For Blind Flange, Deduct	-23.77	
23 21 13 23-1217 EA 3/4" Flange, 300 LB, Screwed Carbon Steel.....	67.31	38.08
For Ring Type Joint, Add	10.17	
For Blind Flange, Deduct	-24.89	
23 21 13 23-1218 EA 1" Flange, 300 LB, Screwed Carbon Steel.....	70.12	39.75
For Ring Type Joint, Add	10.49	
For Blind Flange, Deduct	-25.95	
23 21 13 23-1219 EA 1-1/2" Flange, 300 LB, Screwed Carbon Steel.....	79.28	44.78
For Ring Type Joint, Add	12.14	
For Blind Flange, Deduct	-29.28	
23 21 13 23-1220 EA 2" Flange, 300 LB, Screwed Carbon Steel.....	82.21	46.71
For Ring Type Joint, Add	12.14	
For Blind Flange, Deduct	-30.46	
23 21 13 23-1221 EA 1/2" Flange, 600 LB, Screwed Carbon Steel.....	68.22	36.32
For Ring Type Joint, Add	13.71	
For Blind Flange, Deduct	-24.55	
23 21 13 23-1222 EA 3/4" Flange, 600 LB, Screwed Carbon Steel.....	70.85	38.08
For Ring Type Joint, Add	13.71	
For Blind Flange, Deduct	-25.60	
23 21 13 23-1223 EA 1" Flange, 600 LB, Screwed Carbon Steel.....	73.97	39.75
For Ring Type Joint, Add	14.34	
For Blind Flange, Deduct	-26.72	
23 21 13 23-1224 EA 1-1/2" Flange, 600 LB, Screwed Carbon Steel.....	84.04	44.78
For Ring Type Joint, Add	16.90	
For Blind Flange, Deduct	-30.24	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1225 EA 2" Flange, 600 LB, Screwed Carbon Steel..... <i>For Ring Type Joint, Add</i> <i>For Blind Flange, Deduct</i>	85.80 15.73 -31.17	46.71
23 21 13 23-1226 Square Head Plugs, Screwed Carbon Steel (23 21 13 23-1061)		
23 21 13 23-1227 EA 1/4" Square Head Plug, Screwed Carbon Steel.....	4.55	2.47
23 21 13 23-1228 EA 1/2" Square Head Plug, Screwed Carbon Steel.....	5.45	2.90
23 21 13 23-1229 EA 3/4" Square Head Plug, Screwed Carbon Steel.....	6.32	3.34
23 21 13 23-1230 EA 1" Square Head Plug, Screwed Carbon Steel.....	9.20	4.93
23 21 13 23-1231 EA 1-1/2" Square Head Plug, Screwed Carbon Steel.....	11.48	4.93
23 21 13 23-1232 EA 2" Square Head Plug, Screwed Carbon Steel.....	16.48	6.42
23 21 13 23-1233 Hex Head Plugs, Screwed Carbon Steel (23 21 13 23-1061)		
23 21 13 23-1234 EA 1/4" Hex Head Plug, Screwed Carbon Steel.....	4.32	2.47
23 21 13 23-1235 EA 1/2" Hex Head Plug, Screwed Carbon Steel.....	5.24	2.90
23 21 13 23-1236 EA 3/4" Hex Head Plug, Screwed Carbon Steel.....	6.18	3.34
23 21 13 23-1237 EA 1" Hex Head Plug, Screwed Carbon Steel.....	9.08	4.93
23 21 13 23-1238 EA 1-1/2" Hex Head Plug, Screwed Carbon Steel.....	10.98	4.93
23 21 13 23-1239 EA 2" Hex Head Plug, Screwed Carbon Steel.....	16.83	6.42
23 21 13 23-1240 Round Head Plugs, Screwed Carbon Steel (23 21 13 23-1061)		
23 21 13 23-1241 EA 1/4" Round Head Plug, Screwed Carbon Steel.....	5.06	2.47
23 21 13 23-1242 EA 1/2" Round Head Plug, Screwed Carbon Steel.....	5.48	2.90
23 21 13 23-1243 EA 3/4" Round Head Plug, Screwed Carbon Steel.....	6.22	3.34
23 21 13 23-1244 EA 1" Round Head Plug, Screwed Carbon Steel.....	9.28	4.93
23 21 13 23-1245 EA 1-1/2" Round Head Plug, Screwed Carbon Steel.....	12.11	4.93
23 21 13 23-1246 EA 2" Round Head Plug, Screwed Carbon Steel.....	16.70	6.42
23 21 13 23-1247 Hexagon Bushings, Screwed Carbon Steel (23 21 13 23-1061)		
23 21 13 23-1248 EA 1/4" Hex Bushing, Screwed Carbon Steel.....	4.49	2.47
23 21 13 23-1249 EA 1/2" Hex Bushing, Screwed Carbon Steel.....	5.23	2.90
23 21 13 23-1250 EA 3/4" Hex Bushing, Screwed Carbon Steel.....	6.12	3.34
23 21 13 23-1251 EA 1" Hex Bushing, Screwed Carbon Steel.....	9.24	4.93
23 21 13 23-1252 EA 1-1/2" Hex Bushing, Screwed Carbon Steel.....	10.94	4.93
23 21 13 23-1253 EA 2" Hex Bushing, Screwed Carbon Steel.....	16.31	6.42
23 21 13 23-1254 90 Degree Street Elbows, Screwed Carbon Steel (23 21 13 23-1061)		
23 21 13 23-1255 EA 1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	28.29	13.37
23 21 13 23-1256 EA 1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	32.32	15.66
23 21 13 23-1257 EA 3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	37.66	17.51
23 21 13 23-1258 EA 1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	43.92	19.53
23 21 13 23-1259 EA 1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	68.67	24.98
23 21 13 23-1260 EA 2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	92.15	31.76
23 21 13 23-1261 EA 1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	44.21	15.66
23 21 13 23-1262 EA 3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	61.84	17.51
23 21 13 23-1263 EA 1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	84.37	19.53
23 21 13 23-1264 EA 1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	179.95	24.98
23 21 13 23-1265 Screwed Carbon Steel Laterals (23 21 13 23-1061)		
23 21 13 23-1266 EA 1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	111.22	19.53
23 21 13 23-1267 EA 3/4" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	133.53	22.61
23 21 13 23-1268 EA 1" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	163.19	26.65
23 21 13 23-1269 EA 1-1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	210.58	37.82
23 21 13 23-1270 EA 2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	262.66	46.97
23 21 13 23-1271 EA 1/2" Lateral, Straight, 6,000 LB, Screwed Carbon Steel.....	138.99	19.53
23 21 13 23-1272 EA 3/4" Lateral, Straight, 6,000 LB, Screwed Carbon Steel.....	174.84	22.61
23 21 13 23-1273 EA 1" Lateral, Straight, 6,000 LB, Screwed Carbon Steel.....	207.36	26.65
23 21 13 23-1274 EA 1-1/2" Lateral, Straight, 6,000 LB, Screwed Carbon Steel.....	291.78	37.82
23 21 13 23-1275 Grooved-Joint Pipe (23 21 13 23) Note: Includes grooving of pipe. Excludes hangers, elbow, tee, reducer fitting or couplings.		
23 21 13 23-1276 Schedule 10 Black Grooved Pipe (23 21 13 23-1275)		
23 21 13 23-1277 LF 2" Black Schedule 10 Grooved Pipe.....	23.56	11.17
23 21 13 23-1278 LF 2-1/2" Black Schedule 10 Grooved Pipe.....	31.85	15.30
23 21 13 23-1279 LF 3" Black Schedule 10 Grooved Pipe.....	35.72	16.97
23 21 13 23-1280 LF 3-1/2" Black Schedule 10 Grooved Pipe.....	39.55	17.59
23 21 13 23-1281 LF 4" Black Schedule 10 Grooved Pipe.....	42.08	19.09
23 21 13 23-1282 LF 5" Black Schedule 10 Grooved Pipe.....	58.71	23.39
23 21 13 23-1283 LF 6" Black Schedule 10 Grooved Pipe.....	76.30	33.24
23 21 13 23-1284 LF 8" Black Schedule 10 Grooved Pipe.....	102.65	37.29
23 21 13 23-1285 LF 10" Black Schedule 10 Grooved Pipe.....	128.35	44.95
23 21 13 23-1286 LF 12" Black Schedule 10 Grooved Pipe.....	147.88	50.92



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1287 Schedule 40 Black Grooved Pipe (23 21 13 23-1275)						
			LF	3/4" Black Schedule 40 Grooved Pipe.....	14.14	6.77
			LF	1" Black Schedule 40 Grooved Pipe.....	15.98	7.66
			LF	1-1/4" Black Schedule 40 Grooved Pipe.....	18.08	8.27
			LF	1-1/2" Black Schedule 40 Grooved Pipe.....	20.58	9.41
			LF	2" Black Schedule 40 Grooved Pipe.....	25.96	11.96
			LF	2-1/2" Black Schedule 40 Grooved Pipe.....	36.10	16.36
			LF	3" Black Schedule 40 Grooved Pipe.....	42.47	18.64
			LF	4" Black Schedule 40 Grooved Pipe.....	51.68	20.76
			LF	5" Black Schedule 40 Grooved Pipe.....	70.50	25.25
			LF	6" Black Schedule 40 Grooved Pipe.....	95.33	36.41
			LF	8" Black Schedule 40 Grooved Pipe.....	125.18	41.25
			LF	10" Black Schedule 40 Grooved Pipe.....	171.06	49.25
			LF	12" Black Schedule 40 Grooved Pipe.....	201.21	56.56
			LF	14" Black Schedule 40 Grooved Pipe.....	265.93	76.44
			LF	16" Black Schedule 40 Grooved Pipe.....	308.74	89.89
			LF	18" Black Schedule 40 Grooved Pipe.....	382.82	109.15
			LF	20" Black Schedule 40 Grooved Pipe.....	441.72	127.27
			LF	24" Black Schedule 40 Grooved Pipe.....	574.81	152.78
23 21 13 23-1306 Schedule 80 Black Grooved Pipe (23 21 13 23-1275)						
			LF	3/4" Black Schedule 80 Grooved Pipe.....	15.50	7.39
			LF	1" Black Schedule 80 Grooved Pipe.....	17.14	7.83
			LF	1-1/4" Black Schedule 80 Grooved Pipe.....	20.02	8.70
			LF	1-1/2" Black Schedule 80 Grooved Pipe.....	22.77	9.76
			LF	2" Black Schedule 80 Grooved Pipe.....	29.44	12.58
			LF	2-1/2" Black Schedule 80 Grooved Pipe.....	41.38	17.33
			LF	3" Black Schedule 80 Grooved Pipe.....	49.11	19.44
			LF	4" Black Schedule 80 Grooved Pipe.....	61.08	21.20
			LF	5" Black Schedule 80 Grooved Pipe.....	92.15	26.65
			LF	6" Black Schedule 80 Grooved Pipe.....	120.64	38.17
			LF	8" Black Schedule 80 Grooved Pipe.....	177.89	43.63
			LF	10" Black Schedule 80 Grooved Pipe.....	221.08	52.68
			LF	12" Black Schedule 80 Grooved Pipe.....	234.46	63.68
23 21 13 23-1320 Schedule 40 Galvanized Grooved Pipe (23 21 13 23-1275)						
			LF	3/4" Galvanized Schedule 40 Grooved Pipe.....	14.57	6.77
			LF	1" Galvanized Schedule 40 Grooved Pipe.....	16.86	7.66
			LF	1-1/4" Galvanized Schedule 40 Grooved Pipe.....	18.76	8.27
			LF	1-1/2" Galvanized Schedule 40 Grooved Pipe.....	21.35	9.41
			LF	2" Galvanized Schedule 40 Grooved Pipe.....	27.01	11.96
			LF	2-1/2" Galvanized Schedule 40 Grooved Pipe.....	37.78	16.36
			LF	3" Galvanized Schedule 40 Grooved Pipe.....	44.73	18.64
			LF	4" Galvanized Schedule 40 Grooved Pipe.....	54.87	20.76
			LF	5" Galvanized Schedule 40 Grooved Pipe.....	76.52	25.25
			LF	6" Galvanized Schedule 40 Grooved Pipe.....	103.54	36.41
			LF	8" Galvanized Schedule 40 Grooved Pipe.....	136.48	41.25
			LF	10" Galvanized Schedule 40 Grooved Pipe.....	191.06	49.25
			LF	12" Galvanized Schedule 40 Grooved Pipe.....	225.44	56.56
23 21 13 23-1334 Schedule 80 Galvanized Grooved Pipe (23 21 13 23-1275)						
			LF	3/4" Galvanized Schedule 80 Grooved Pipe.....	15.68	7.39
			LF	1" Galvanized Schedule 80 Grooved Pipe.....	20.17	7.83
			LF	1-1/4" Galvanized Schedule 80 Grooved Pipe.....	20.51	8.70
			LF	1-1/2" Galvanized Schedule 80 Grooved Pipe.....	26.67	10.38
			LF	2" Galvanized Schedule 80 Grooved Pipe.....	30.29	12.58
			LF	2-1/2" Galvanized Schedule 80 Grooved Pipe.....	42.80	17.33
			LF	3" Galvanized Schedule 80 Grooved Pipe.....	51.27	19.44
			LF	4" Galvanized Schedule 80 Grooved Pipe.....	64.06	21.20
			LF	5" Galvanized Schedule 80 Grooved Pipe.....	95.66	26.65
			LF	6" Galvanized Schedule 80 Grooved Pipe.....	124.52	38.17
			LF	8" Galvanized Schedule 80 Grooved Pipe.....	184.19	43.63
			LF	10" Galvanized Schedule 80 Grooved Pipe.....	219.33	52.68
			LF	12" Galvanized Schedule 80 Grooved Pipe.....	241.59	63.68
23 21 13 23-1348 Painted Grooved-Joint Pipe Fittings (23 21 13 23)						
Note: Couplings are not included with fittings.						
23 21 13 23-1349 Grooved Elbows (23 21 13 23-1348)						
23 21 13 23-1350 90 Degree Grooved Elbows (23 21 13 23-1349)						
Note: Victaulic No. 10						
			EA	3/4" 90 Degree Elbow, Ductile Iron, Grooved.....	69.14	9.59
					18.07	
For Galvanized Fittings, Add						

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1352	EA	1" 90 Degree Elbow, Ductile Iron, Grooved	69.14	9.59
			<i>For Galvanized Fittings, Add</i>	18.07	
23 21	13 23-1353	EA	1-1/4" 90 Degree Elbow, Ductile Iron, Grooved	72.73	11.96
			<i>For Galvanized Fittings, Add</i>	18.07	
23 21	13 23-1354	EA	1-1/2" 90 degree Elbow, Ductile Iron, Grooved	76.54	14.51
			<i>For Galvanized Fittings, Add</i>	18.07	
23 21	13 23-1355	EA	2" 90 Degree Elbow, Ductile Iron, Grooved	83.52	19.18
			<i>For Galvanized Fittings, Add</i>	18.07	
23 21	13 23-1356	EA	2-1/2" 90 Degree Elbow, Ductile Iron, Grooved	89.79	23.39
			<i>For Galvanized Fittings, Add</i>	18.07	
23 21	13 23-1357	EA	3" 90 Degree Elbow, Ductile Iron, Grooved	139.75	28.32
			<i>For Galvanized Fittings, Add</i>	32.11	
23 21	13 23-1358	EA	4" 90 Degree Elbow, Ductile Iron, Grooved	162.00	37.38
			<i>For Galvanized Fittings, Add</i>	34.97	
23 21	13 23-1359	EA	5" 90 Degree Elbow, Ductile Iron, Grooved	328.02	46.71
			<i>For Galvanized Fittings, Add</i>	85.14	
23 21	13 23-1360	EA	6" 90 Degree Elbow, Ductile Iron, Grooved	391.44	61.13
			<i>For Galvanized Fittings, Add</i>	98.94	
23 21	13 23-1361	EA	8" 90 Degree Elbow, Ductile Iron, Grooved	740.09	72.74
			<i>For Galvanized Fittings, Add</i>	208.24	
23 21	13 23-1362	EA	10" 90 Degree Elbow, Ductile Iron, Grooved	1,110.39	84.88
			<i>For Galvanized Fittings, Add</i>	324.44	
23 21	13 23-1363	EA	12" 90 Degree Elbow, Ductile Iron, Grooved	1,728.53	101.86
			<i>For Galvanized Fittings, Add</i>	520.02	
23 21	13 23-1364	EA	14" 90 Degree Elbow, Steel, Grooved	3,449.54	114.96
			<i>For Galvanized Fittings, Add</i>	1,081.46	
23 21	13 23-1365	EA	16" 90 Degree Elbow, Steel, Grooved	4,479.04	127.27
			<i>For Galvanized Fittings, Add</i>	1,415.10	
23 21	13 23-1366	EA	18" 90 Degree Elbow, Steel, Grooved	5,647.11	139.06
			<i>For Galvanized Fittings, Add</i>	1,794.76	
23 21	13 23-1367	EA	20" 90 Degree Elbow, Steel, Grooved	7,363.82	144.60
			<i>For Galvanized Fittings, Add</i>	2,358.50	
23 21	13 23-1368	EA	24" 90 Degree Elbow, Steel, Grooved	10,540.93	170.99
			<i>For Galvanized Fittings, Add</i>	3,393.93	
23 21 13 23-1369 45 Degree Grooved Elbows (23 21 13 23-1349)					
Note: Victaulic No. 11					
23 21	13 23-1370	EA	3/4" 45 Degree Elbow, Ductile Iron, Grooved	69.11	9.59
			<i>For Galvanized Fittings, Add</i>	13.14	
23 21	13 23-1371	EA	1" 45 Degree Elbow, Ductile Iron, Grooved	69.11	9.59
			<i>For Galvanized Fittings, Add</i>	13.14	
23 21	13 23-1372	EA	1-1/4" 45 Degree Elbow, Ductile Iron, Grooved	72.70	11.96
			<i>For Galvanized Fittings, Add</i>	13.14	
23 21	13 23-1373	EA	1-1/2" 45 degree Elbow, Ductile Iron, Grooved	76.51	14.51
			<i>For Galvanized Fittings, Add</i>	13.14	
23 21	13 23-1374	EA	2" 45 Degree Elbow, Ductile Iron, Grooved	83.49	19.18
			<i>For Galvanized Fittings, Add</i>	13.14	
23 21	13 23-1375	EA	2-1/2" 45 Degree Elbow, Ductile Iron, Grooved	89.76	23.39
			<i>For Galvanized Fittings, Add</i>	13.14	
23 21	13 23-1376	EA	3" 45 Degree Elbow, Ductile Iron, Grooved	139.71	28.32
			<i>For Galvanized Fittings, Add</i>	23.34	
23 21	13 23-1377	EA	4" 45 Degree Elbow, Ductile Iron, Grooved	162.00	37.38
			<i>For Galvanized Fittings, Add</i>	25.44	
23 21	13 23-1378	EA	5" 45 Degree Elbow, Ductile Iron, Grooved	328.02	46.71
			<i>For Galvanized Fittings, Add</i>	61.92	
23 21	13 23-1379	EA	6" 45 Degree Elbow, Ductile Iron, Grooved	391.44	61.13
			<i>For Galvanized Fittings, Add</i>	71.96	
23 21	13 23-1380	EA	8" 45 Degree Elbow, Ductile Iron, Grooved	740.09	72.74
			<i>For Galvanized Fittings, Add</i>	151.44	
23 21	13 23-1381	EA	10" 45 Degree Elbow, Ductile Iron, Grooved	1,110.39	84.88
			<i>For Galvanized Fittings, Add</i>	235.95	
23 21	13 23-1382	EA	12" 45 Degree Elbow, Ductile Iron, Grooved	1,728.53	101.86
			<i>For Galvanized Fittings, Add</i>	378.20	
23 21	13 23-1383	EA	14" 45 Degree Elbow, Steel, Grooved	3,449.54	114.96
			<i>For Galvanized Fittings, Add</i>	786.51	
23 21	13 23-1384	EA	16" 45 Degree Elbow, Steel, Grooved	4,479.04	127.27
			<i>For Galvanized Fittings, Add</i>	1,029.16	
23 21	13 23-1385	EA	18" 45 Degree Elbow, Steel, Grooved	5,647.11	139.06
			<i>For Galvanized Fittings, Add</i>	1,305.28	
23 21	13 23-1386	EA	20" 45 Degree Elbow, Steel, Grooved	7,364.20	144.87
			<i>For Galvanized Fittings, Add</i>	1,715.27	
23 21	13 23-1387	EA	24" 45 Degree Elbow, Steel, Grooved	10,540.93	170.99
			<i>For Galvanized Fittings, Add</i>	2,468.32	
23 21 13 23-1388 22-1/2 Degree Grooved Elbows (23 21 13 23-1349)					
Note: Victaulic No. 12					
23 21	13 23-1389	EA	1" 22-1/2 Degree Elbow, Ductile Iron, Grooved	72.71	9.59
			<i>For Galvanized Fittings, Add</i>	14.00	
23 21	13 23-1390	EA	1-1/4" 22-1/2 Degree Elbow, Ductile Iron, Grooved	76.30	11.96
			<i>For Galvanized Fittings, Add</i>	14.00	
23 21	13 23-1391	EA	1-1/2" 22-1/2 Degree Elbow, Ductile Iron, Grooved	80.11	14.51
			<i>For Galvanized Fittings, Add</i>	14.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1392 EA 2" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	87.09 14.00	19.18
23 21 13 23-1393 EA 2-1/2" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	93.36 14.00	23.39
23 21 13 23-1394 EA 3" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	127.77 20.48	28.32
23 21 13 23-1395 EA 4" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	170.44 27.46	37.38
23 21 13 23-1396 EA 5" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	424.85 85.16	46.71
23 21 13 23-1397 EA 6" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	415.76 77.79	61.13
23 21 13 23-1398 EA 8" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	787.27 162.77	72.74
23 21 13 23-1399 EA 10" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,058.33 223.46	84.88
23 21 13 23-1400 EA 12" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,411.45 302.10	101.86
23 21 13 23-1401 EA 14" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,626.28 348.93	114.96
23 21 13 23-1402 EA 16" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,934.59 418.50	127.27
23 21 13 23-1403 EA 18" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	2,320.24 506.83	139.06
23 21 13 23-1404 EA 20" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	2,713.56 599.21	144.60
23 21 13 23-1405 EA 24" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	3,611.31 805.21	170.99
23 21 13 23-1406 11-1/4 Degree Grooved Elbows <small>(23 21 13 23-1349)</small>		
Note: Victaulic No. 13		
23 21 13 23-1407 EA 1" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	72.71 14.00	9.59
23 21 13 23-1408 EA 1-1/4" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	76.30 14.00	11.96
23 21 13 23-1409 EA 1-1/2" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	80.11 14.00	14.51
23 21 13 23-1410 EA 2" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	87.09 14.00	19.18
23 21 13 23-1411 EA 2-1/2" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	93.36 14.00	23.39
23 21 13 23-1412 EA 3" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	127.76 20.48	28.32
23 21 13 23-1413 EA 4" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	170.43 27.46	37.38
23 21 13 23-1414 EA 5" 11-1/4 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	424.83 85.15	46.71
23 21 13 23-1415 EA 6" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	415.74 77.79	61.13
23 21 13 23-1416 EA 8" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	787.23 162.76	72.74
23 21 13 23-1417 EA 10" 11-1/4 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,058.28 223.45	84.88
23 21 13 23-1418 EA 12" 11-1/4 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,411.38 302.08	101.86
23 21 13 23-1419 EA 14" 11-1/4 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,626.20 348.91	114.96
23 21 13 23-1420 EA 16" 11-1/4 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,934.52 418.47	127.36
23 21 13 23-1421 EA 18" 11-1/4 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	2,320.10 506.80	139.06
23 21 13 23-1422 EA 20" 11-1/4 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	2,713.42 599.17	144.60
23 21 13 23-1423 EA 24" 11-1/4 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	3,611.12 805.16	170.99
23 21 13 23-1424 90 Degree Grooved Long Radius Elbows <small>(23 21 13 23-1349)</small>		
Note: Victaulic No. 100		
23 21 13 23-1425 EA 2" 90 Degree Long Radius Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	153.98 30.06	19.18
23 21 13 23-1426 EA 2-1/2" 90 Degree Long Radius Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	398.38 87.21	23.39
23 21 13 23-1427 EA 3" 90 Degree Long Radius Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	167.67 30.06	28.32
23 21 13 23-1428 EA 4" 90 Degree Long Radius Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	243.61 45.02	37.38
23 21 13 23-1429 EA 5" 90 Degree Long Radius Elbow, Steel Grooved <i>For Galvanized Fittings, Add</i>	1,031.52 230.76	46.71
23 21 13 23-1430 EA 6" 90 Degree Long Radius Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	640.38 131.70	61.13
23 21 13 23-1431 EA 8" 90 Degree Long Radius Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	1,425.37 315.91	72.74

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 20 HVAC Piping And Pumps

23 21 Hydronic Piping And Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1432	EA	10" 90 Degree Long Radius Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	2,856.49 655.02	84.88
23 21	13 23-1433	EA	12" 90 Degree Long Radius Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	3,407.32 781.11	101.86
23 21 13 23-1434 Grooved Tees, Wyes And Crosses (23 21 13 23-1434)					
23 21 13 23-1435 Grooved Tees (23 21 13 23-1434)					
Note: Victaulic No. 20					
23 21	13 23-1436	EA	3/4" Tee, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	102.61 25.11	12.58
23 21	13 23-1437	EA	1" Tee, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	105.47 25.11	14.51
23 21	13 23-1438	EA	1-1/4" Tee, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	110.31 25.11	17.77
23 21	13 23-1439	EA	1-1/2" Tee, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	116.36 25.11	21.81
23 21	13 23-1440	EA	2" Tee, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	125.97 25.11	28.23
23 21	13 23-1441	EA	2-1/2" Tee, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	135.58 25.11	34.56
23 21	13 23-1442	EA	3" Tee, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	180.91 35.18	42.48
23 21	13 23-1443	EA	4" Tee, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	262.24 53.96	54.98
23 21	13 23-1444	EA	5" Tee, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	529.70 126.59	71.86
23 21	13 23-1445	EA	6" Tee, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	622.41 146.30	89.89
23 21	13 23-1446	EA	8" Tee, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	1,228.89 319.58	109.15
23 21	13 23-1447	EA	10" Tee, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	2,093.14 570.68	127.27
23 21	13 23-1448	EA	12" Tee, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	2,892.23 798.95	152.78
23 21	13 23-1449	EA	14" Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	3,159.78 871.58	169.75
23 21	13 23-1450	EA	16" Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	3,956.73 1,110.23	170.73
23 21	13 23-1451	EA	18" Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	4,916.92 1,390.38	188.32
23 21	13 23-1452	EA	20" Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	6,927.40 1,992.19	191.31
23 21	13 23-1453	EA	24" Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	10,555.44 3,060.92	235.02
23 21 13 23-1454 Grooved Wyes (90 Degree True Wye) (23 21 13 23-1434)					
Note: Victaulic No. 33					
23 21	13 23-1455	EA	1" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	374.92 56.50	14.51
23 21	13 23-1456	EA	1-1/4" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	379.76 56.50	17.77
23 21	13 23-1457	EA	1-1/2" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	385.81 56.50	21.81
23 21	13 23-1458	EA	2" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	395.42 56.50	28.23
23 21	13 23-1459	EA	2-1/2" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	405.03 56.50	34.56
23 21	13 23-1460	EA	3" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	485.80 67.54	42.48
23 21	13 23-1461	EA	4" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	635.31 88.47	54.98
23 21	13 23-1462	EA	5" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	900.28 126.81	71.86
23 21	13 23-1463	EA	6" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,115.34 156.90	89.89
23 21	13 23-1464	EA	8" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,575.95 225.97	109.15
23 21	13 23-1465	EA	10" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	2,628.54 390.03	127.27
23 21	13 23-1466	EA	12" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	2,922.11 430.89	152.78
23 21	13 23-1467	EA	14" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	3,329.67 492.03	169.75
23 21	13 23-1468	EA	16" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	4,249.94 639.08	170.55
23 21	13 23-1469	EA	18" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	4,851.58 731.03	188.49
23 21	13 23-1470	EA	20" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	6,912.84 1,060.24	190.95
23 21	13 23-1471	EA	24" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	10,654.77 1,648.38	235.02



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1472 Grooved Crosses <small>(23 21 13 23-1434)</small>		
<i>Note: Victaulic No. 35</i>		
23 21 13 23-1473 EA 3/4" Cross, Steel, Grooved	257.00	18.91
<i>For Galvanized Fittings, Add</i>	<i>34.30</i>	
23 21 13 23-1474 EA 1" Cross, Steel, Grooved	261.30	21.81
<i>For Galvanized Fittings, Add</i>	<i>34.30</i>	
23 21 13 23-1475 EA 1-1/4" Cross, Steel, Grooved	315.89	26.65
<i>For Galvanized Fittings, Add</i>	<i>41.39</i>	
23 21 13 23-1476 EA 1-1/2" Cross, Steel, Grooved	346.34	32.72
<i>For Galvanized Fittings, Add</i>	<i>44.60</i>	
23 21 13 23-1477 EA 2" Cross, Steel, Grooved	231.45	42.31
<i>For Galvanized Fittings, Add</i>	<i>25.21</i>	
23 21 13 23-1478 EA 2-1/2" Cross, Steel, Grooved	245.85	51.90
<i>For Galvanized Fittings, Add</i>	<i>25.21</i>	
23 21 13 23-1479 EA 3" Cross, Steel, Grooved	397.46	63.68
<i>For Galvanized Fittings, Add</i>	<i>45.29</i>	
23 21 13 23-1480 EA 4" Cross, Steel, Grooved	626.24	82.42
<i>For Galvanized Fittings, Add</i>	<i>75.40</i>	
23 21 13 23-1481 EA 5" Cross, Steel, Grooved	1,188.50	107.75
<i>For Galvanized Fittings, Add</i>	<i>154.04</i>	
23 21 13 23-1482 EA 6" Cross, Steel, Grooved	1,523.32	134.84
<i>For Galvanized Fittings, Add</i>	<i>198.18</i>	
23 21 13 23-1483 EA 8" Cross, Steel, Grooved	1,985.45	163.69
<i>For Galvanized Fittings, Add</i>	<i>261.00</i>	
23 21 13 23-1484 EA 10" Cross, Steel, Grooved	3,254.04	190.95
<i>For Galvanized Fittings, Add</i>	<i>445.16</i>	
23 21 13 23-1485 EA 12" Cross, Steel, Grooved	4,626.23	229.22
<i>For Galvanized Fittings, Add</i>	<i>642.40</i>	
23 21 13 23-1486 EA 14" Cross, Steel, Grooved	4,818.81	254.63
<i>For Galvanized Fittings, Add</i>	<i>665.56</i>	
23 21 13 23-1487 EA 16" Cross, Steel, Grooved	6,188.33	256.13
<i>For Galvanized Fittings, Add</i>	<i>870.66</i>	
23 21 13 23-1488 EA 18" Cross, Steel, Grooved	7,538.23	282.44
<i>For Galvanized Fittings, Add</i>	<i>1,067.22</i>	
23 21 13 23-1489 EA 20" Cross, Steel, Grooved	10,509.72	286.83
<i>For Galvanized Fittings, Add</i>	<i>1,511.95</i>	
23 21 13 23-1490 EA 24" Cross, Steel, Grooved	16,089.34	352.54
<i>For Galvanized Fittings, Add</i>	<i>2,334.11</i>	
23 21 13 23-1491 Grooved Reducing Tees <small>(23 21 13 23-1434)</small>		
<i>Note: Victaulic No. 25</i>		
23 21 13 23-1492 EA 1" Reducing Tee, Steel, Grooved	183.27	14.51
<i>For Galvanized Fittings, Add</i>	<i>32.30</i>	
23 21 13 23-1493 EA 1-1/4" Reducing Tee, Steel, Grooved	193.18	17.77
<i>For Galvanized Fittings, Add</i>	<i>33.31</i>	
23 21 13 23-1494 EA 1-1/2" Reducing Tee, Steel, Grooved	203.38	21.81
<i>For Galvanized Fittings, Add</i>	<i>34.14</i>	
23 21 13 23-1495 EA 2" Reducing Tee, Steel, Grooved	242.14	28.23
<i>For Galvanized Fittings, Add</i>	<i>39.97</i>	
23 21 13 23-1496 EA 2-1/2" Reducing Tee, Steel, Grooved	272.31	34.56
<i>For Galvanized Fittings, Add</i>	<i>44.09</i>	
23 21 13 23-1497 EA 3" Reducing Tee, Steel, Grooved	304.94	42.48
<i>For Galvanized Fittings, Add</i>	<i>48.26</i>	
23 21 13 23-1498 EA 4" Reducing Tee, Steel, Grooved	407.78	54.98
<i>For Galvanized Fittings, Add</i>	<i>65.08</i>	
23 21 13 23-1499 EA 5" Reducing Tee, Steel, Grooved	537.40	71.86
<i>For Galvanized Fittings, Add</i>	<i>85.93</i>	
23 21 13 23-1500 EA 6" Reducing Tee, Steel, Grooved	739.16	89.89
<i>For Galvanized Fittings, Add</i>	<i>120.88</i>	
23 21 13 23-1501 EA 8" Reducing Tee, Steel, Grooved	1,160.91	109.15
<i>For Galvanized Fittings, Add</i>	<i>199.46</i>	
23 21 13 23-1502 EA 10" Reducing Tee, Steel, Grooved	1,661.10	127.27
<i>For Galvanized Fittings, Add</i>	<i>294.04</i>	
23 21 13 23-1503 EA 12" Reducing Tee, Steel, Grooved	2,397.87	152.78
<i>For Galvanized Fittings, Add</i>	<i>433.76</i>	
23 21 13 23-1504 EA 14" Reducing Tee, Steel, Grooved	2,717.80	169.75
<i>For Galvanized Fittings, Add</i>	<i>492.66</i>	
23 21 13 23-1505 EA 16" Reducing Tee, Steel, Grooved	3,455.76	170.73
<i>For Galvanized Fittings, Add</i>	<i>639.95</i>	
23 21 13 23-1506 EA 18" Reducing Tee, Steel, Grooved	4,199.60	188.32
<i>For Galvanized Fittings, Add</i>	<i>783.47</i>	
23 21 13 23-1507 EA 20" Reducing Tee, Steel, Grooved	5,889.17	191.21
<i>For Galvanized Fittings, Add</i>	<i>1,120.50</i>	
23 21 13 23-1508 EA 24" Reducing Tee, Steel, Grooved	9,376.82	235.02
<i>For Galvanized Fittings, Add</i>	<i>1,804.89</i>	
23 21 13 23-1509 Grooved 45 Degree Lateral Wyes <small>(23 21 13 23-1434)</small>		
<i>Note: Victaulic No. 30</i>		
23 21 13 23-1510 EA 3/4" 45 Degree Lateral Wye, Steel, Grooved	353.35	12.58
<i>For Galvanized Fittings, Add</i>	<i>60.20</i>	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 20 HVAC Piping And Pumps

23 21 Hydronic Piping And Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1511	EA	1" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	356.21 60.20	14.51
23 21	13 23-1512	EA	1-1/4" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	361.05 60.20	17.77
23 21	13 23-1513	EA	1-1/2" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	367.10 60.20	21.81
23 21	13 23-1514	EA	2" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	376.71 60.20	28.23
23 21	13 23-1515	EA	2-1/2" Wye, 45 Degree Lateral, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	386.32 60.20	34.56
23 21	13 23-1516	EA	3" Wye, 45 Degree Lateral, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	352.58 52.01	42.48
23 21	13 23-1517	EA	3-1/2" Wye, 45 Degree Lateral, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	562.89 88.11	48.99
23 21	13 23-1518	EA	4" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	652.19 102.56	54.98
23 21	13 23-1519	EA	5" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	940.48 149.89	71.86
23 21	13 23-1520	EA	6" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	1,476.43 241.50	89.89
23 21	13 23-1521	EA	8" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	2,096.15 347.86	109.15
23 21	13 23-1522	EA	10" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	2,918.61 490.99	127.27
23 21	13 23-1523	EA	12" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	3,527.01 593.63	152.78
23 21	13 23-1524	EA	14" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	5,068.07 866.44	169.75
23 21	13 23-1525	EA	16" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	6,269.43 1,082.42	170.73
23 21	13 23-1526	EA	18" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	7,004.57 1,210.01	188.32
23 21	13 23-1527	EA	20" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	10,483.29 1,835.39	191.21
23 21	13 23-1528	EA	24" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	16,197.14 2,852.06	235.02
23 21 13 23-1529 Grooved 45 Degree Lateral Reducing Wyes (23 21 13 23-1434)					
Note: Victaulic No. 30R					
23 21	13 23-1530	EA	3" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	352.58 37.56	42.48
23 21	13 23-1531	EA	4" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	652.19 74.07	54.98
23 21	13 23-1532	EA	5" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	940.48 108.26	71.86
23 21	13 23-1533	EA	6" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	1,210.64 139.87	89.89
23 21	13 23-1534	EA	8" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	1,716.79 201.91	109.15
23 21	13 23-1535	EA	10" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	2,093.07 247.28	127.27
23 21	13 23-1536	EA	12" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	2,540.69 300.51	152.78
23 21	13 23-1537	EA	14" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	2,844.11 336.65	169.75
23 21	13 23-1538	EA	16" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	3,603.29 435.15	170.73
23 21	13 23-1539	EA	18" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	5,422.06 668.17	188.32
23 21	13 23-1540	EA	20" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	7,810.00 978.03	191.21
23 21	13 23-1541	EA	24" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	12,532.91 1,583.47	235.02
23 21 13 23-1542 Mechanical-T Outlet (23 21 13 23-1434)					
Note: Includes making opening in pipe. Grooved or treaded branch outlets. Victaulic Styles 920 or 921.					
23 21	13 23-1543	EA	2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet..... <i>For Galvanized Fittings, Add</i>	118.95 13.79	31.66
23 21	13 23-1544	EA	2" x 1" Mechanical-T Outlet With Threaded Branch Outlet..... <i>For Galvanized Fittings, Add</i>	118.95 13.79	31.66
23 21	13 23-1545	EA	2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet..... <i>For Galvanized Fittings, Add</i>	127.63 15.95	31.66
23 21	13 23-1546	EA	2" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet.....	127.63	31.66
23 21	13 23-1547	EA	2-1/2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet.....	126.87	35.62
23 21	13 23-1548	EA	2-1/2" x 1" Mechanical-T Outlet With Threaded Branch Outlet.....	126.87	35.62
23 21	13 23-1549	EA	2-1/2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet.....	149.79	35.62
23 21	13 23-1550	EA	3" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet.....	143.22	39.58
23 21	13 23-1551	EA	3" x 1" Mechanical-T Outlet With Threaded Branch Outlet.....	143.22	39.58
23 21	13 23-1552	EA	3" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet.....	161.67	39.58
23 21	13 23-1553	EA	3" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet.....	161.67	39.58
23 21	13 23-1554	EA	3" x 2" Mechanical-T Outlet With Threaded Branch Outlet.....	174.31	39.58
23 21	13 23-1555	EA	4" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet.....	187.21	52.77



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1556	EA	4" x 1" Mechanical-T Outlet With Threaded Branch Outlet	187.21	52.77
23 21 13 23-1557	EA	4" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	201.62	52.77
23 21 13 23-1558	EA	4" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	205.66	52.77
23 21 13 23-1559	EA	4" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	205.66	52.77
23 21 13 23-1560	EA	4" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	209.71	52.77
23 21 13 23-1561	EA	4" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	217.46	52.77
23 21 13 23-1562	EA	5" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	268.08	72.57
23 21 13 23-1563	EA	5" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	268.08	72.57
23 21 13 23-1564	EA	5" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	275.07	72.57
23 21 13 23-1565	EA	5" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	283.84	72.57
23 21 13 23-1566	EA	6" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	310.53	92.36
23 21 13 23-1567	EA	6" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	310.53	92.36
23 21 13 23-1568	EA	6" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	320.81	92.36
23 21 13 23-1569	EA	6" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	329.49	92.36
23 21 13 23-1570	EA	6" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	344.91	92.36
23 21 13 23-1571	EA	8" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	467.16	122.26
23 21 13 23-1572	EA	8" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	467.16	122.26
23 21 13 23-1573	EA	8" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	479.55	122.26
23 21 13 23-1574	EA	8" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	486.88	122.26
23 21 13 23-1575	Installation-Ready™ Grooved Fittings (23 21 13 23-1348)			
23 21 13 23-1576	Installation-Ready™ 90 Degree Grooved Elbows (23 21 13 23-1575)			
	Note: Victaulic No. 101			
23 21 13 23-1577	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	149.69	8.70
		For Galvanized Fittings, Add	45.05	
		For Galvanized Fittings, Add	34.94	
23 21 13 23-1578	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	156.36	10.45
		For Galvanized Fittings, Add	46.37	
		For Galvanized Fittings, Add	35.97	
23 21 13 23-1579	EA	2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	162.63	13.94
		For Galvanized Fittings, Add	46.70	
		For Galvanized Fittings, Add	36.23	
23 21 13 23-1580	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	197.02	17.42
		For Galvanized Fittings, Add	56.31	
		For Galvanized Fittings, Add	43.68	
23 21 13 23-1581	Installation-Ready™ 45 Degree Grooved Elbows (23 21 13 23-1575)			
	Note: Victaulic No. 103			
23 21 13 23-1582	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	149.69	8.70
		For Galvanized Fittings, Add	32.76	
		For Galvanized Fittings, Add	34.94	
23 21 13 23-1583	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	156.36	10.45
		For Galvanized Fittings, Add	33.72	
		For Galvanized Fittings, Add	35.97	
23 21 13 23-1584	EA	2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	162.63	13.94
		For Galvanized Fittings, Add	33.96	
		For Galvanized Fittings, Add	36.23	
23 21 13 23-1585	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	197.02	17.42
		For Galvanized Fittings, Add	40.95	
		For Galvanized Fittings, Add	43.68	
23 21 13 23-1586	Installation-Ready™ Grooved Tees (23 21 13 23-1575)			
	Note: Victaulic No. 102			
23 21 13 23-1587	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ Tee	228.36	11.61
		For Galvanized Fittings, Add	63.23	
		For Galvanized Fittings, Add	53.96	
23 21 13 23-1588	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee	238.91	13.94
		For Galvanized Fittings, Add	65.34	
		For Galvanized Fittings, Add	55.76	
23 21 13 23-1589	EA	2" Ductile Iron, Grooved, Installation-Ready™ Tee	248.95	18.57
		For Galvanized Fittings, Add	66.24	
		For Galvanized Fittings, Add	56.53	
23 21 13 23-1590	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee	290.12	23.22
		For Galvanized Fittings, Add	76.48	
		For Galvanized Fittings, Add	65.26	
23 21 13 23-1591	Grooved Fittings (23 21 13 23-1348)			
23 21 13 23-1592	Flanged Adapter Nipple, Grooved (23 21 13 23-1591)			
	Note: Victaulic No. 41 and 45			
23 21 13 23-1593	EA	1" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	251.20	10.55
		For Galvanized Fittings, Add	42.36	
		For 300 LB Rating, Add	35.30	
23 21 13 23-1594	EA	1-1/4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	252.95	11.70
		For Galvanized Fittings, Add	42.36	
		For 300 LB Rating, Add	35.30	
23 21 13 23-1595	EA	1-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	257.36	14.69
		For Galvanized Fittings, Add	42.36	
		For 300 LB Rating, Add	35.30	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1596 EA 2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	266.60	20.85
For Galvanized Fittings, Add	42.36	
For 300 LB Rating, Add	35.30	
23 21 13 23-1597 EA 2-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	273.21	25.25
For Galvanized Fittings, Add	42.36	
For 300 LB Rating, Add	35.30	
23 21 13 23-1598 EA 3" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	346.34	30.17
For Galvanized Fittings, Add	54.21	
For 300 LB Rating, Add	45.17	
23 21 13 23-1599 EA 4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	420.06	40.64
For Galvanized Fittings, Add	64.65	
For 300 LB Rating, Add	53.88	
23 21 13 23-1600 EA 5" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	586.93	49.17
For Galvanized Fittings, Add	92.38	
For 300 LB Rating, Add	76.98	
23 21 13 23-1601 EA 6" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	685.15	66.41
For Galvanized Fittings, Add	105.40	
For 300 LB Rating, Add	87.83	
23 21 13 23-1602 EA 8" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	943.01	89.89
For Galvanized Fittings, Add	145.49	
For 300 LB Rating, Add	121.24	
23 21 13 23-1603 EA 10" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	1,482.60	109.15
For Galvanized Fittings, Add	237.42	
For 300 LB Rating, Add	197.85	
23 21 13 23-1604 EA 12" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	1,994.33	127.27
For Galvanized Fittings, Add	324.62	
For 300 LB Rating, Add	270.52	
23 21 13 23-1605 EA 14" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	2,355.82	152.78
For Galvanized Fittings, Add	382.82	
For 300 LB Rating, Add	319.01	
23 21 13 23-1606 EA 16" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	3,529.75	169.75
For Galvanized Fittings, Add	589.55	
For 300 LB Rating, Add	491.29	
23 21 13 23-1607 EA 18" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	4,228.81	254.63
For Galvanized Fittings, Add	692.47	
For 300 LB Rating, Add	577.06	
23 21 13 23-1608 EA 20" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	4,467.99	305.57
For Galvanized Fittings, Add	721.78	
For 300 LB Rating, Add	601.48	
23 21 13 23-1609 EA 24" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	7,426.55	339.52
For Galvanized Fittings, Add	1,245.16	
For 300 LB Rating, Add	1,037.63	
23 21 13 23-1610 Grooved Concentric Reducers (23 21 13 23-1591)		
Note: Victaulic No. 50		
23 21 13 23-1611 EA 1-1/4" x 3/4" Concentric Reducer, Grooved.....	266.88	10.55
For Galvanized Fittings, Add	11.05	
23 21 13 23-1612 EA 1-1/4" x 1" Concentric Reducer, Grooved.....	279.06	11.17
For Galvanized Fittings, Add	11.54	
23 21 13 23-1613 EA 1-1/2" x 3/4" Concentric Reducer, Grooved.....	314.33	12.05
For Galvanized Fittings, Add	35.62	
23 21 13 23-1614 EA 1-1/2" x 1" Concentric Reducer, Grooved.....	82.36	12.58
For Galvanized Fittings, Add	7.63	
23 21 13 23-1615 EA 1-1/2" x 1-1/4" Concentric Reducer, Grooved.....	265.38	13.19
For Galvanized Fittings, Add	29.52	
23 21 13 23-1616 EA 2" x 3/4" Concentric Reducer, Grooved.....	85.00	14.34
For Galvanized Fittings, Add	7.63	
23 21 13 23-1617 EA 2" x 1" Concentric Reducer, Grooved.....	85.88	14.95
For Galvanized Fittings, Add	7.63	
23 21 13 23-1618 EA 2" x 1-1/4" Concentric Reducer, Grooved.....	93.13	15.57
For Galvanized Fittings, Add	8.39	
23 21 13 23-1619 EA 2" x 1-1/2" Concentric Reducer, Grooved.....	89.45	17.33
For Galvanized Fittings, Add	7.63	
23 21 13 23-1620 EA 2-1/2" x 3/4" Concentric Reducer, Grooved.....	540.68	16.18
For Galvanized Fittings, Add	62.07	
23 21 13 23-1621 EA 2-1/2" x 1" Concentric Reducer, Grooved.....	430.23	16.80
For Galvanized Fittings, Add	48.69	
23 21 13 23-1622 EA 2-1/2" x 1-1/4" Concentric Reducer, Grooved.....	392.71	17.33
For Galvanized Fittings, Add	44.08	
23 21 13 23-1623 EA 2-1/2" x 1-1/2" Concentric Reducer, Grooved.....	92.04	19.09
For Galvanized Fittings, Add	7.63	
23 21 13 23-1624 EA 2-1/2" x 2" Concentric Reducer, Grooved.....	95.55	21.37
For Galvanized Fittings, Add	7.63	
23 21 13 23-1625 EA 3" x 3/4" Concentric Reducer, Grooved.....	547.94	18.83
For Galvanized Fittings, Add	79.00	
23 21 13 23-1626 EA 3" x 1" Concentric Reducer, Grooved.....	99.06	19.35
For Galvanized Fittings, Add	10.65	
23 21 13 23-1627 EA 3" x 1-1/4" Concentric Reducer, Grooved.....	432.45	19.96
For Galvanized Fittings, Add	61.19	
23 21 13 23-1628 EA 3" x 1-1/2" Concentric Reducer, Grooved.....	406.19	21.37
For Galvanized Fittings, Add	56.86	
23 21 13 23-1629 EA 3" x 2" Concentric Reducer, Grooved.....	91.28	23.75
For Galvanized Fittings, Add	8.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1630 EA 3" x 2-1/2" Concentric Reducer, Grooved.....	119.13	28.32
For Galvanized Fittings, Add	11.66	
23 21 13 23-1631 EA 3-1/2" x 3" Concentric Reducer, Grooved.....	127.45	30.52
For Galvanized Fittings, Add	12.42	
23 21 13 23-1632 EA 4" x 1" Concentric Reducer, Grooved.....	120.30	24.01
For Galvanized Fittings, Add	14.45	
23 21 13 23-1633 EA 4" x 1-1/4" Concentric Reducer, Grooved.....	702.89	24.63
For Galvanized Fittings, Add	114.21	
23 21 13 23-1634 EA 4" x 1-1/2" Concentric Reducer, Grooved.....	548.27	26.12
For Galvanized Fittings, Add	87.31	
23 21 13 23-1635 EA 4" x 2" Concentric Reducer, Grooved.....	116.76	28.50
For Galvanized Fittings, Add	12.71	
23 21 13 23-1636 EA 4" x 2-1/2" Concentric Reducer, Grooved.....	138.61	30.52
For Galvanized Fittings, Add	15.93	
23 21 13 23-1637 EA 4" x 3" Concentric Reducer, Grooved.....	142.13	32.89
For Galvanized Fittings, Add	15.93	
23 21 13 23-1638 EA 4" x 3-1/2" Concentric Reducer, Grooved.....	145.65	35.19
For Galvanized Fittings, Add	15.93	
23 21 13 23-1639 EA 5" x 2" Concentric Reducer, Grooved.....	986.89	33.16
For Galvanized Fittings, Add	160.73	
23 21 13 23-1640 EA 5" x 2-1/2" Concentric Reducer, Grooved.....	779.91	35.19
For Galvanized Fittings, Add	124.70	
23 21 13 23-1641 EA 5" x 3" Concentric Reducer, Grooved.....	165.01	37.56
For Galvanized Fittings, Add	18.64	
23 21 13 23-1642 EA 5" x 4" Concentric Reducer, Grooved.....	193.17	42.22
For Galvanized Fittings, Add	22.27	
23 21 13 23-1643 EA 6" x 1" Concentric Reducer, Grooved.....	226.33	35.80
For Galvanized Fittings, Add	32.22	
23 21 13 23-1644 EA 6" x 1-1/2" Concentric Reducer, Grooved.....	1,042.11	37.82
For Galvanized Fittings, Add	183.87	
23 21 13 23-1645 EA 6" x 2" Concentric Reducer, Grooved.....	232.91	40.20
For Galvanized Fittings, Add	32.22	
23 21 13 23-1646 EA 6" x 2-1/2" Concentric Reducer, Grooved.....	1,054.32	42.22
For Galvanized Fittings, Add	184.92	
23 21 13 23-1647 EA 6" x 3" Concentric Reducer, Grooved.....	239.53	44.59
For Galvanized Fittings, Add	32.22	
23 21 13 23-1648 EA 6" x 4" Concentric Reducer, Grooved.....	224.26	49.25
For Galvanized Fittings, Add	28.06	
23 21 13 23-1649 EA 6" x 5" Concentric Reducer, Grooved.....	303.40	54.00
For Galvanized Fittings, Add	41.51	
23 21 13 23-1650 EA 8" x 3" Concentric Reducer, Grooved.....	384.18	50.49
For Galvanized Fittings, Add	57.57	
23 21 13 23-1651 EA 8" x 4" Concentric Reducer, Grooved.....	391.21	55.15
For Galvanized Fittings, Add	57.57	
23 21 13 23-1652 EA 8" x 5" Concentric Reducer, Grooved.....	398.25	59.81
For Galvanized Fittings, Add	57.57	
23 21 13 23-1653 EA 8" x 6" Concentric Reducer, Grooved.....	493.72	66.85
For Galvanized Fittings, Add	73.42	
23 21 13 23-1654 EA 10" x 4" Concentric Reducer, Grooved.....	826.51	61.31
For Galvanized Fittings, Add	137.07	
23 21 13 23-1655 EA 10" x 5" Concentric Reducer, Grooved.....	1,718.26	65.97
For Galvanized Fittings, Add	302.16	
23 21 13 23-1656 EA 10" x 6" Concentric Reducer, Grooved.....	912.83	73.01
For Galvanized Fittings, Add	149.90	
23 21 13 23-1657 EA 10" x 8" Concentric Reducer, Grooved.....	921.61	78.89
For Galvanized Fittings, Add	149.90	
23 21 13 23-1658 EA 12" x 4" Concentric Reducer, Grooved.....	2,536.42	69.84
For Galvanized Fittings, Add	364.76	
23 21 13 23-1659 EA 12" x 6" Concentric Reducer, Grooved.....	1,080.37	81.54
For Galvanized Fittings, Add	143.72	
23 21 13 23-1660 EA 12" x 8" Concentric Reducer, Grooved.....	1,570.31	87.43
For Galvanized Fittings, Add	215.89	
23 21 13 23-1661 EA 12" x 10" Concentric Reducer, Grooved.....	1,579.59	93.58
For Galvanized Fittings, Add	215.89	
23 21 13 23-1662 EA 14" x 6" Concentric Reducer, Grooved.....	5,015.14	87.87
For Galvanized Fittings, Add	149.92	
23 21 13 23-1663 EA 14" x 8" Concentric Reducer, Grooved.....	3,006.95	93.77
For Galvanized Fittings, Add	88.00	
23 21 13 23-1664 EA 14" x 10" Concentric Reducer, Grooved.....	2,569.98	99.92
For Galvanized Fittings, Add	74.30	
23 21 13 23-1665 EA 14" x 12" Concentric Reducer, Grooved.....	2,582.71	108.37
For Galvanized Fittings, Add	74.30	
23 21 13 23-1666 EA 16" x 8" Concentric Reducer, Grooved.....	4,566.34	100.00
For Galvanized Fittings, Add	135.58	
23 21 13 23-1667 EA 16" x 10" Concentric Reducer, Grooved.....	4,242.40	106.16
For Galvanized Fittings, Add	125.35	
23 21 13 23-1668 EA 16" x 12" Concentric Reducer, Grooved.....	3,928.54	114.69
For Galvanized Fittings, Add	115.33	
23 21 13 23-1669 EA 16" x 14" Concentric Reducer, Grooved.....	3,938.04	121.03
For Galvanized Fittings, Add	115.33	
23 21 13 23-1670 EA 18" x 10" Concentric Reducer, Grooved.....	5,933.73	112.06
For Galvanized Fittings, Add	177.01	
23 21 13 23-1671 EA 18" x 12" Concentric Reducer, Grooved.....	5,379.40	120.50
For Galvanized Fittings, Add	159.60	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 20 HVAC Piping And Pumps

23 21 Hydronic Piping And Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1672	EA	18" x 14" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	4,896.58 144.49	126.84
23 21	13 23-1673	EA	18" x 16" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	4,906.08 144.49	133.26
23 21	13 23-1674	EA	20" x 10" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	6,528.09 195.12	114.96
23 21	13 23-1675	EA	20" x 12" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	5,603.84 166.36	123.49
23 21	13 23-1676	EA	20" x 14" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	5,613.34 166.36	129.83
23 21	13 23-1677	EA	20" x 16" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	5,011.34 147.59	136.07
23 21	13 23-1678	EA	20" x 18" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	5,339.33 157.38	141.96
23 21	13 23-1679	EA	24" x 10" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	14,354.63 434.80	127.89
23 21	13 23-1680	EA	24" x 12" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	14,025.42 424.30	136.42
23 21	13 23-1681	EA	24" x 14" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	12,230.13 368.90	142.67
23 21	13 23-1682	EA	24" x 16" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	12,239.70 368.90	149.09
23 21	13 23-1683	EA	24" x 18" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	10,488.73 314.88	154.89
23 21	13 23-1684	EA	24" x 20" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	9,584.71 286.98	157.88
23 21 13 23-1685 Grooved Eccentric Reducers (23 21 13 23-1591)					
Note: Victaulic No. 51					
23 21	13 23-1686	EA	1-1/2" x 3/4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	324.56 36.84	12.05
23 21	13 23-1687	EA	1-1/2" x 1" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	295.60 33.26	12.58
23 21	13 23-1688	EA	1-1/2" x 1-1/4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	290.44 32.53	13.19
23 21	13 23-1689	EA	2" x 3/4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	617.17 71.59	14.34
23 21	13 23-1690	EA	2" x 1" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	327.95 36.72	14.95
23 21	13 23-1691	EA	2" x 1-1/4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	358.25 40.26	15.57
23 21	13 23-1692	EA	2" x 1-1/2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	306.38 33.70	17.33
23 21	13 23-1693	EA	2-1/2" x 3/4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	801.78 93.46	16.18
23 21	13 23-1694	EA	2-1/2" x 1" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	749.50 87.07	16.80
23 21	13 23-1695	EA	2-1/2" x 1-1/4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	446.69 50.57	17.33
23 21	13 23-1696	EA	2-1/2" x 1-1/2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	361.94 40.07	19.09
23 21	13 23-1697	EA	2-1/2" x 2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	166.38 16.14	21.37
23 21	13 23-1698	EA	3" x 1" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	805.99 93.40	19.35
23 21	13 23-1699	EA	3" x 1-1/4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	733.28 84.55	19.96
23 21	13 23-1700	EA	3" x 1-1/2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	417.67 46.35	21.37
23 21	13 23-1701	EA	3" x 2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	189.93 18.55	23.75
23 21	13 23-1702	EA	3" x 2-1/2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	196.75 18.55	28.32
23 21	13 23-1703	EA	3-1/2" x 3" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	899.43 102.61	30.52
23 21	13 23-1704	EA	4" x 1" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,611.02 270.11	24.01
23 21	13 23-1705	EA	4" x 1-1/2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	991.67 163.36	26.12
23 21	13 23-1706	EA	4" x 2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	231.34 32.36	28.50
23 21	13 23-1707	EA	4" x 2-1/2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	234.42 32.36	30.52
23 21	13 23-1708	EA	4" x 3" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	237.94 32.36	32.89
23 21	13 23-1709	EA	5" x 2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,100.05 180.13	33.16
23 21	13 23-1710	EA	5" x 2-1/2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	947.63 153.47	35.19
23 21	13 23-1711	EA	5" x 3" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	920.64 148.23	37.56
23 21	13 23-1712	EA	5" x 4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	320.32 44.07	42.22



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1713 EA 6" x 1" Eccentric Reducer, Grooved	1,686.46	35.80
For Galvanized Fittings, Add	304.68	
23 21 13 23-1714 EA 6" x 2" Eccentric Reducer, Grooved	1,549.29	40.20
For Galvanized Fittings, Add	277.86	
23 21 13 23-1715 EA 6" x 2-1/2" Eccentric Reducer, Grooved	1,836.44	42.22
For Galvanized Fittings, Add	330.86	
23 21 13 23-1716 EA 6" x 3" Eccentric Reducer, Grooved	409.01	44.59
For Galvanized Fittings, Add	63.85	
23 21 13 23-1717 EA 6" x 4" Eccentric Reducer, Grooved	373.38	49.25
For Galvanized Fittings, Add	55.88	
23 21 13 23-1718 EA 6" x 5" Eccentric Reducer, Grooved	440.19	54.00
For Galvanized Fittings, Add	67.04	
23 21 13 23-1719 EA 8" x 3" Eccentric Reducer, Grooved	1,805.75	50.49
For Galvanized Fittings, Add	322.84	
23 21 13 23-1720 EA 8" x 4" Eccentric Reducer, Grooved	1,594.68	55.15
For Galvanized Fittings, Add	282.14	
23 21 13 23-1721 EA 8" x 5" Eccentric Reducer, Grooved	1,497.45	59.81
For Galvanized Fittings, Add	262.68	
23 21 13 23-1722 EA 8" x 6" Eccentric Reducer, Grooved	707.54	66.85
For Galvanized Fittings, Add	113.32	
23 21 13 23-1723 EA 10" x 4" Eccentric Reducer, Grooved	2,866.50	61.31
For Galvanized Fittings, Add	517.74	
23 21 13 23-1724 EA 10" x 5" Eccentric Reducer, Grooved	2,713.03	65.97
For Galvanized Fittings, Add	487.79	
23 21 13 23-1725 EA 10" x 6" Eccentric Reducer, Grooved	2,080.77	73.01
For Galvanized Fittings, Add	367.84	
23 21 13 23-1726 EA 10" x 8" Eccentric Reducer, Grooved	1,786.71	78.89
For Galvanized Fittings, Add	311.33	
23 21 13 23-1727 EA 12" x 4" Eccentric Reducer, Grooved	2,925.93	69.84
For Galvanized Fittings, Add	425.73	
23 21 13 23-1728 EA 12" x 6" Eccentric Reducer, Grooved	2,755.66	81.54
For Galvanized Fittings, Add	397.38	
23 21 13 23-1729 EA 12" x 8" Eccentric Reducer, Grooved	2,697.09	87.43
For Galvanized Fittings, Add	387.22	
23 21 13 23-1730 EA 12" x 10" Eccentric Reducer, Grooved	2,438.74	93.58
For Galvanized Fittings, Add	346.83	
23 21 13 23-1731 EA 14" x 6" Eccentric Reducer, Grooved	6,776.35	87.87
For Galvanized Fittings, Add	203.99	
23 21 13 23-1732 EA 14" x 8" Eccentric Reducer, Grooved	4,388.63	93.77
For Galvanized Fittings, Add	130.41	
23 21 13 23-1733 EA 14" x 10" Eccentric Reducer, Grooved	4,193.65	99.92
For Galvanized Fittings, Add	124.15	
23 21 13 23-1734 EA 14" x 12" Eccentric Reducer, Grooved	4,206.38	108.37
For Galvanized Fittings, Add	124.15	
23 21 13 23-1735 EA 16" x 8" Eccentric Reducer, Grooved	7,488.11	100.00
For Galvanized Fittings, Add	225.28	
23 21 13 23-1736 EA 16" x 10" Eccentric Reducer, Grooved	6,940.20	106.16
For Galvanized Fittings, Add	208.18	
23 21 13 23-1737 EA 16" x 12" Eccentric Reducer, Grooved	6,543.61	114.69
For Galvanized Fittings, Add	195.61	
23 21 13 23-1738 EA 16" x 14" Eccentric Reducer, Grooved	6,553.11	121.03
For Galvanized Fittings, Add	195.61	
23 21 13 23-1739 EA 18" x 10" Eccentric Reducer, Grooved	9,390.77	112.06
For Galvanized Fittings, Add	283.14	
23 21 13 23-1740 EA 18" x 12" Eccentric Reducer, Grooved	8,840.88	120.50
For Galvanized Fittings, Add	265.87	
23 21 13 23-1741 EA 18" x 14" Eccentric Reducer, Grooved	8,058.41	126.84
For Galvanized Fittings, Add	241.55	
23 21 13 23-1742 EA 18" x 16" Eccentric Reducer, Grooved	8,067.91	133.26
For Galvanized Fittings, Add	241.55	
23 21 13 23-1743 EA 20" x 10" Eccentric Reducer, Grooved	12,325.77	114.96
For Galvanized Fittings, Add	373.11	
23 21 13 23-1744 EA 20" x 12" Eccentric Reducer, Grooved	9,174.87	123.49
For Galvanized Fittings, Add	275.99	
23 21 13 23-1745 EA 20" x 14" Eccentric Reducer, Grooved	8,622.36	129.83
For Galvanized Fittings, Add	258.73	
23 21 13 23-1746 EA 20" x 16" Eccentric Reducer, Grooved	8,495.37	136.07
For Galvanized Fittings, Add	254.55	
23 21 13 23-1747 EA 20" x 18" Eccentric Reducer, Grooved	8,186.59	141.96
For Galvanized Fittings, Add	244.79	
23 21 13 23-1748 EA 24" x 12" Eccentric Reducer, Grooved	17,798.20	136.42
For Galvanized Fittings, Add	540.12	
23 21 13 23-1749 EA 24" x 14" Eccentric Reducer, Grooved	15,208.73	142.67
For Galvanized Fittings, Add	460.34	
23 21 13 23-1750 EA 24" x 16" Eccentric Reducer, Grooved	15,218.30	149.09
For Galvanized Fittings, Add	460.34	
23 21 13 23-1751 EA 24" x 18" Eccentric Reducer, Grooved	14,375.84	154.89
For Galvanized Fittings, Add	434.21	
23 21 13 23-1752 EA 24" x 20" Eccentric Reducer, Grooved	13,143.50	157.88
For Galvanized Fittings, Add	396.24	

23 21 13 23-1753 Close Nipple, Grooved (23 21 13 23-1591)
 Note: Victaulic No. 143

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 20 HVAC Piping And Pumps

23 21 Hydronic Piping And Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1754	EA	1-1/4" Ductile Iron, Grooved, Close Nipple	40.01	11.61
			<i>For Galvanized Fittings, Add</i>	4.04	
			<i>For 300 LB Rating, Add</i>	3.36	
			<i>For Galvanized Fittings, Add</i>	5.74	
23 21	13 23-1755	EA	1-1/2" Ductile Iron, Grooved, Close Nipple	46.41	14.51
			<i>For Galvanized Fittings, Add</i>	4.40	
			<i>For 300 LB Rating, Add</i>	3.66	
			<i>For Galvanized Fittings, Add</i>	6.25	
23 21	13 23-1756	EA	2" Ductile Iron, Grooved, Close Nipple.....	58.47	19.16
			<i>For Galvanized Fittings, Add</i>	5.30	
			<i>For 300 LB Rating, Add</i>	4.42	
			<i>For Galvanized Fittings, Add</i>	7.54	
23 21	13 23-1757	EA	2-1/2" Ductile Iron, Grooved, Close Nipple	69.98	23.22
			<i>For Galvanized Fittings, Add</i>	6.26	
			<i>For 300 LB Rating, Add</i>	5.22	
			<i>For Galvanized Fittings, Add</i>	8.91	
23 21	13 23-1758		Grooved Couplings (23 21 13 23-1348)		
23 21	13 23-1759		Flexible Grooved Coupling (23 21 13 23-1758)		
			Note: Victaulic Style 77		
23 21	13 23-1760	EA	3/4" Standard Coupling, Grooved	34.33	4.75
			<i>For Galvanized Fittings, Add</i>	7.60	
23 21	13 23-1761	EA	1" Standard Coupling, Grooved	34.33	4.75
			<i>For Galvanized Fittings, Add</i>	7.60	
23 21	13 23-1762	EA	1-1/4" Standard Coupling, Grooved	45.10	5.98
			<i>For Galvanized Fittings, Add</i>	10.11	
23 21	13 23-1763	EA	1-1/2" Standard Coupling, Grooved	50.20	7.12
			<i>For Galvanized Fittings, Add</i>	11.05	
23 21	13 23-1764	EA	2" Standard Coupling, Grooved	56.08	9.59
			<i>For Galvanized Fittings, Add</i>	11.68	
23 21	13 23-1765	EA	2-1/2" Standard Coupling, Grooved	67.44	11.70
			<i>For Galvanized Fittings, Add</i>	13.98	
23 21	13 23-1766	EA	3" Standard Coupling, Grooved	70.84	13.99
			<i>For Galvanized Fittings, Add</i>	13.98	
23 21	13 23-1767	EA	3-1/2" Standard Coupling, Grooved	105.01	16.36
			<i>For Galvanized Fittings, Add</i>	22.52	
23 21	13 23-1768	EA	4" Standard Coupling, Grooved	108.45	18.64
			<i>For Galvanized Fittings, Add</i>	22.52	
23 21	13 23-1769	EA	5" Standard Coupling, Grooved	158.35	23.39
			<i>For Galvanized Fittings, Add</i>	34.53	
23 21	13 23-1770	EA	6" Standard Coupling, Grooved	191.59	30.52
			<i>For Galvanized Fittings, Add</i>	40.82	
23 21	13 23-1771	EA	8" Standard Coupling, Grooved	292.18	36.41
			<i>For Galvanized Fittings, Add</i>	66.54	
23 21	13 23-1772	EA	10" Standard Coupling, Grooved	460.39	43.63
			<i>For Galvanized Fittings, Add</i>	110.59	
23 21	13 23-1773	EA	12" Standard Coupling, Grooved	521.26	47.76
			<i>For Galvanized Fittings, Add</i>	125.91	
23 21	13 23-1774	EA	14" Standard Coupling, Grooved	641.72	63.68
			<i>For Galvanized Fittings, Add</i>	152.96	
23 21	13 23-1775	EA	16" Standard Coupling, Grooved	831.07	76.44
			<i>For Galvanized Fittings, Add</i>	200.63	
23 21	13 23-1776	EA	18" Standard Coupling, Grooved	966.43	84.88
			<i>For Galvanized Fittings, Add</i>	234.97	
23 21	13 23-1777	EA	20" Standard Coupling, Grooved	1,463.33	95.52
			<i>For Galvanized Fittings, Add</i>	369.65	
23 21	13 23-1778	EA	24" Standard Coupling, Grooved	1,623.95	117.51
			<i>For Galvanized Fittings, Add</i>	405.37	
23 21	13 23-1779		Zero-Flex® Rigid Coupling (23 21 13 23-1758)		
			Note: Victaulic Style 07		
23 21	13 23-1780	EA	1" Rigid Coupling, Grooved.....	44.95	4.75
			<i>For Galvanized Fittings, Add</i>	9.25	
23 21	13 23-1781	EA	1-1/4" Rigid Coupling, Grooved	46.76	5.98
			<i>For Galvanized Fittings, Add</i>	9.25	
23 21	13 23-1782	EA	1-1/2" Rigid Coupling, Grooved	48.50	7.12
			<i>For Galvanized Fittings, Add</i>	9.25	
23 21	13 23-1783	EA	2" Rigid Coupling, Grooved.....	53.10	9.59
			<i>For Galvanized Fittings, Add</i>	9.49	
23 21	13 23-1784	EA	2-1/2" Rigid Coupling, Grooved	62.16	11.70
			<i>For Galvanized Fittings, Add</i>	10.94	
23 21	13 23-1785	EA	3" Rigid Coupling, Grooved.....	65.56	13.99
			<i>For Galvanized Fittings, Add</i>	10.94	
23 21	13 23-1786	EA	3-1/2" Rigid Coupling, Grooved	76.74	16.36
			<i>For Galvanized Fittings, Add</i>	12.78	
23 21	13 23-1787	EA	4" Rigid Coupling, Grooved.....	101.94	18.64
			<i>For Galvanized Fittings, Add</i>	18.11	
23 21	13 23-1788	EA	5" Rigid Coupling, Grooved.....	131.04	23.39
			<i>For Galvanized Fittings, Add</i>	23.52	
23 21	13 23-1789	EA	6" Rigid Coupling, Grooved.....	174.15	30.52
			<i>For Galvanized Fittings, Add</i>	31.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1790 EA 8" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	256.73 49.54	36.41
23 21 13 23-1791 EA 10" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	427.74 88.76	43.63
23 21 13 23-1792 EA 12" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	477.01 99.33	47.76
23 21 13 23-1793 EA 14" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	625.13 129.77	63.68
23 21 13 23-1794 EA 16" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	805.36 169.26	76.44
23 21 13 23-1795 EA 18" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	925.87 195.66	84.88
23 21 13 23-1796 EA 20" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	1,093.96 232.95	95.52
23 21 13 23-1797 EA 24" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	1,576.67 343.12	117.51
23 21 13 23-1798 Large Diameter Grooved Coupling <small>(23 21 13 23-1758)</small> Note: Victaulic Style 770		
23 21 13 23-1799 EA 28" Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	1,715.54 235.27	23.39
23 21 13 23-1800 EA 30" Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	1,980.62 270.87	30.52
23 21 13 23-1801 EA 32" Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	2,952.04 405.65	36.41
23 21 13 23-1802 EA 36" Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	3,925.61 540.42	43.63
23 21 13 23-1803 EA 42" Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	7,878.42 1,092.96	47.76
23 21 13 23-1804 Flexible Coupling <small>(23 21 13 23-1758)</small> Note: Victaulic Style 75		
23 21 13 23-1805 EA 1-1/2" Flexible Coupling, Grooved <i>For Galvanized Fittings, Add</i>	45.06 8.79	7.12
23 21 13 23-1806 EA 2" Flexible Coupling, Grooved <i>For Galvanized Fittings, Add</i>	49.58 9.01	9.59
23 21 13 23-1807 EA 2-1/2" Flexible Coupling, Grooved <i>For Galvanized Fittings, Add</i>	58.32 10.45	11.70
23 21 13 23-1808 EA 3" Flexible Coupling, Grooved <i>For Galvanized Fittings, Add</i>	68.36 12.15	13.99
23 21 13 23-1809 EA 3-1/2" Flexible Coupling, Grooved <i>For Galvanized Fittings, Add</i>	91.78 17.21	16.36
23 21 13 23-1810 EA 4" Flexible Coupling, Grooved <i>For Galvanized Fittings, Add</i>	95.22 17.21	18.64
23 21 13 23-1811 EA 5" Flexible Coupling, Grooved <i>For Galvanized Fittings, Add</i>	132.00 24.83	23.39
23 21 13 23-1812 EA 6" Flexible Coupling, Grooved <i>For Galvanized Fittings, Add</i>	162.63 29.91	30.52
23 21 13 23-1813 EA 8" Flexible Coupling, Grooved <i>For Galvanized Fittings, Add</i>	238.17 47.01	36.41
23 21 13 23-1814 Installation-Ready™ Coupling <small>(23 21 13 23-1758)</small> Note: Victaulic Style 009N		
23 21 13 23-1815 EA 1-1/4" Ductile Iron, Installation-Ready™ Coupling <i>For Galvanized Fittings, Add</i>	46.22 10.11	4.44
23 21 13 23-1816 EA 1-1/2" Ductile Iron, Installation-Ready™ Coupling <i>For Galvanized Fittings, Add</i>	48.35 10.32	5.31
23 21 13 23-1817 EA 2" Ductile Iron, Installation-Ready™ Coupling <i>For Galvanized Fittings, Add</i>	56.41 11.67	7.14
23 21 13 23-1818 EA 2-1/2" Ductile Iron, Installation-Ready™ Coupling <i>For Galvanized Fittings, Add</i>	65.62 13.44	8.65
23 21 13 23-1819 EA 3" Ductile Iron, Installation-Ready™ Coupling <i>For Galvanized Fittings, Add</i>	75.18 15.21	10.39
23 21 13 23-1820 EA 4" Ductile Iron, Installation-Ready™ Coupling <i>For Galvanized Fittings, Add</i>	104.47 21.36	13.88
23 21 13 23-1821 EA 5" Ductile Iron, Installation-Ready™ Coupling <i>For Galvanized Fittings, Add</i>	162.80 34.94	17.36
23 21 13 23-1822 EA 6" Ductile Iron, Installation-Ready™ Coupling <i>For Galvanized Fittings, Add</i>	197.49 41.75	22.70
23 21 13 23-1823 EA 8" Ductile Iron, Installation-Ready™ Coupling <i>For Galvanized Fittings, Add</i>	313.40 69.76	27.00
23 21 13 23-1824 Grooved Strainers And Suction Diffusers <small>(23 21 13 23-1348)</small>		
23 21 13 23-1825 Grooved Wye Strainers <small>(23 21 13 23-1824)</small> Note: Victaulic Style 732		
23 21 13 23-1826 EA 2" Wye Strainer, Grooved.....	1,096.26	19.35
23 21 13 23-1827 EA 2-1/2" Wye Strainer, Grooved.....	1,156.34	23.48
23 21 13 23-1828 EA 3" Wye Strainer, Grooved.....	1,301.87	28.14
23 21 13 23-1829 EA 4" Wye Strainer, Grooved.....	1,481.61	37.56

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 21	13 23-1830	EA	5" Wye Strainer, Grooved	2,135.11	46.97
23 21	13 23-1831	EA	6" Wye Strainer, Grooved	2,333.52	61.05
23 21	13 23-1832	EA	8" Wye Strainer, Grooved	3,546.00	72.74
23 21	13 23-1833	EA	10" Wye Strainer, Grooved	5,652.28	85.05
23 21	13 23-1834	EA	12" Wye Strainer, Grooved	9,804.49	102.12
23 21 13 23-1835 Grooved Tee Type Strainers (23 21 13 23-1824)					
Note: Victaulic Style 730					
23 21	13 23-1836	EA	1-1/2" Tee Type Strainer, Grooved .....	.845.55	14.69
23 21	13 23-1837	EA	2" Tee Type Strainer, Grooved	1,083.09	19.35
23 21	13 23-1838	EA	2-1/2" Tee Type Strainer, Grooved	1,142.65	23.48
23 21	13 23-1839	EA	3" Tee Type Strainer, Grooved	1,286.40	28.14
23 21	13 23-1840	EA	4" Tee Type Strainer, Grooved	1,464.07	37.56
23 21	13 23-1841	EA	5" Tee Type Strainer, Grooved	2,109.57	46.97
23 21	13 23-1842	EA	6" Tee Type Strainer, Grooved	2,305.98	61.05
23 21	13 23-1843	EA	8" Tee Type Strainer, Grooved	3,503.37	72.74
23 21	13 23-1844	EA	10" Tee Type Strainer, Grooved	5,112.71	85.05
23 21	13 23-1845	EA	12" Tee Type Strainer, Grooved	6,570.35	102.12
23 21	13 23-1846	EA	14" Tee Type Strainer, Grooved	23,047.15	114.96
23 21	13 23-1847	EA	16" Tee Type Strainer, Grooved	28,620.79	127.27
23 21	13 23-1848	EA	18" Tee Type Strainer, Grooved	37,602.08	139.06
23 21 13 23-1849 Grooved Suction Diffuser (23 21 13 23-1824)					
Note: Victaulic Style 731					
23 21	13 23-1850	EA	2-1/2" Grooved x 2" Flanged Suction Diffuser	2,221.30	21.72
23 21	13 23-1851	EA	3" Grooved x 2" Flanged Suction Diffuser	2,358.79	24.01
23 21	13 23-1852	EA	3" Grooved x 2-1/2" Flanged Suction Diffuser	1,712.21	28.14
23 21	13 23-1853	EA	3" Grooved x 3" Flanged Suction Diffuser	1,737.70	30.52
23 21	13 23-1854	EA	4" Grooved x 2-1/2" Flanged Suction Diffuser	1,880.48	30.52
23 21	13 23-1855	EA	4" Grooved x 3" Flanged Suction Diffuser	2,028.78	32.89
23 21	13 23-1856	EA	4" Grooved x 4" Flanged Suction Diffuser	2,342.09	32.89
23 21	13 23-1857	EA	5" Grooved x 4" Flanged Suction Diffuser	2,618.75	42.22
23 21	13 23-1858	EA	5" Grooved x 5" Flanged Suction Diffuser	2,751.96	44.59
23 21	13 23-1859	EA	6" Grooved x 4" Flanged Suction Diffuser	2,798.51	49.25
23 21	13 23-1860	EA	6" Grooved x 5" Flanged Suction Diffuser	3,340.24	54.00
23 21	13 23-1861	EA	6" Grooved x 6" Flanged Suction Diffuser	3,470.36	57.52
23 21	13 23-1862	EA	8" Grooved x 5" Flanged Suction Diffuser	3,561.43	59.81
23 21	13 23-1863	EA	8" Grooved x 6" Flanged Suction Diffuser	3,761.17	66.85
23 21	13 23-1864	EA	8" Grooved x 8" Flanged Suction Diffuser	6,409.03	72.74
23 21	13 23-1865	EA	10" Grooved x 8" Flanged Suction Diffuser	7,227.01	78.63
23 21	13 23-1866	EA	10" Grooved x 10" Flanged Suction Diffuser	8,688.29	81.54
23 21	13 23-1867	EA	12" Grooved x 10" Flanged Suction Diffuser	10,279.86	93.85
23 21	13 23-1868	EA	12" Grooved x 12" Flanged Suction Diffuser	14,253.01	99.74
23 21	13 23-1869	EA	14" Grooved x 10" Flanged Suction Diffuser	13,275.44	99.74
23 21	13 23-1870	EA	14" Grooved x 12" Flanged Suction Diffuser	14,824.78	108.54
23 21	13 23-1871	EA	14" Grooved x 14" Flanged Suction Diffuser	17,977.36	114.96
23 21	13 23-1872	EA	16" Grooved x 14" Flanged Suction Diffuser	18,509.62	120.85
23 21 13 23-1873 Grooved Steel Valves (23 21 13 23-1348)					
23 21 13 23-1874 Grooved Butterfly Valves With Standard Trim (23 21 13 23-1873)					
23 21	13 23-1875	EA	1-1/2" Butterfly Valve, Grooved, With Standard Trim	260.54	9.59
23 21	13 23-1876	EA	2" Butterfly Valve, Grooved, With Standard Trim	265.08	12.58
23 21	13 23-1877	EA	3" Butterfly Valve, Grooved, With Standard Trim	435.36	18.64
23 21	13 23-1878	EA	4" Butterfly Valve, Grooved, With Standard Trim	584.88	24.54
23 21	13 23-1879	EA	6" Butterfly Valve, Grooved, With Standard Trim	1,279.40	40.20
23 21	13 23-1880	EA	8" Butterfly Valve, Grooved, With Standard Trim	1,772.85	56.56
23 21	13 23-1881	EA	10" Butterfly Valve, Grooved, With Standard Trim	2,664.13	76.44
23 21 13 23-1882 Grooved Butterfly Valves With Stainless Steel Trim (23 21 13 23-1873)					
23 21	13 23-1883	EA	1-1/2" Butterfly Valve, Grooved, With Stainless Steel Trim	392.42	9.59
23 21	13 23-1884	EA	2" Butterfly Valve, Grooved, With Stainless Steel Trim	396.96	12.58
23 21	13 23-1885	EA	3" Butterfly Valve, Grooved, With Stainless Steel Trim	614.13	18.64
23 21	13 23-1886	EA	4" Butterfly Valve, Grooved, With Stainless Steel Trim	781.23	24.54
23 21	13 23-1887	EA	6" Butterfly Valve, Grooved, With Stainless Steel Trim	1,496.27	40.20
23 21	13 23-1888	EA	8" Butterfly Valve, Grooved, With Stainless Steel Trim	2,487.91	56.56
23 21	13 23-1889	EA	10" Butterfly Valve, Grooved, With Stainless Steel Trim	3,924.28	76.44
23 21 13 23-1890 Grooved Ball Valves With Standard Trim And Handle (23 21 13 23-1873)					
Note: Victaulic No. 721					
23 21	13 23-1891	EA	1-1/2" Ball Valve, Grooved, With Standard Trim	219.55	9.41
23 21	13 23-1892	EA	2" Ball Valve, Grooved, With Standard Trim	251.19	12.93
23 21	13 23-1893	EA	2-1/2" Ball Valve, Grooved, With Standard Trim	575.96	15.84
23 21	13 23-1894	EA	3" Ball Valve, Grooved, With Standard Trim	945.91	18.74
23 21	13 23-1895	EA	4" Ball Valve, Grooved, With Standard Trim	1,473.91	24.63
23 21	13 23-1896	EA	6" Ball Valve, Grooved, With Standard Trim	4,589.87	40.46



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-	1897	Grooved Ball Valves With Stainless Steel Trim And Handle <small>(23 21 13 23-1873)</small> Note: Victaulic No. 721		
23 21	13 23-	1898	EA 1-1/2" Ball Valve, Grooved, With Stainless Steel Trim.....	233.99	9.41
23 21	13 23-	1899	EA 2" Ball Valve, Grooved, With Stainless Steel Trim.....	401.12	12.93
23 21	13 23-	1900	EA 2-1/2" Ball Valve, Grooved, With Stainless Steel Trim.....	1,048.72	15.84
23 21	13 23-	1901	EA 3" Ball Valve, Grooved, With Stainless Steel Trim.....	1,356.53	18.74
23 21	13 23-	1902	EA 4" Ball Valve, Grooved, With Stainless Steel Trim.....	1,853.36	24.63
23 21	13 23-	1903	EA 6" Ball Valve, Grooved, With Stainless Steel Trim.....	5,060.06	40.46
23 21	13 23-	1904	Grooved Check Valves <small>(23 21 13 23-1873)</small> Note: Victaulic No. 712		
23 21	13 23-	1905	EA 2" Check Valve, Grooved.....	333.73	12.93
23 21	13 23-	1906	EA 2-1/2" Check Valve, Grooved.....	542.63	15.84
23 21	13 23-	1907	EA 3" Check Valve, Grooved.....	632.20	18.74
23 21	13 23-	1908	EA 4" Check Valve, Grooved.....	896.49	24.63
23 21	13 23-	1909	Grooved Vic-Check Check Valves <small>(23 21 13 23-1873)</small> Note: Victaulic No. 716		
23 21	13 23-	1910	EA 2-1/2" "Vic-Check" Check Valve, Grooved.....	432.98	15.84
23 21	13 23-	1911	EA 3" "Vic-Check" Check Valve, Grooved.....	437.25	18.74
23 21	13 23-	1912	EA 4" "Vic-Check" Check Valve, Grooved.....	547.74	24.63
23 21	13 23-	1913	EA 6" "Vic-Check" Check Valve, Grooved.....	1,069.32	40.46
23 21	13 23-	1914	EA 8" "Vic-Check" Check Valve, Grooved.....	1,462.98	56.30
23 21	13 23-	1915	EA 10" "Vic-Check" Check Valve, Grooved.....	4,104.57	76.26
23 21	13 23-	1916	EA 12" "Vic-Check" Check Valve, Grooved.....	4,861.02	88.04
23 21	13 23-	1917	Grooved Plug Valves With Lever Operator <small>(23 21 13 23-1873)</small> Note: Victaulic No. 377		
23 21	13 23-	1918	EA 3" Balancing Plug Valve, Grooved, With Lever Handle.....	389.93	18.74
23 21	13 23-	1919	EA 4" Balancing Plug Valve, Grooved, With Lever Handle.....	435.11	24.63
23 21	13 23-	1920	EA 6" Balancing Plug Valve, Grooved, With Lever Handle.....	774.57	40.46
23 21	13 23-	1921	Grooved Plug Valve With Gear Operator <small>(23 21 13 23-1873)</small> Note: Victaulic No. 377		
23 21	13 23-	1922	EA 3" Balancing Plug Valve, Grooved, With Gear Operator.....	681.81	18.74
23 21	13 23-	1923	EA 4" Balancing Plug Valve, Grooved, With Gear Operator.....	727.03	24.63
23 21	13 23-	1924	EA 6" Balancing Plug Valve, Grooved, With Gear Operator.....	1,066.48	40.46
23 21	13 23-	1925	EA 8" Balancing Plug Valve, Grooved, With Gear Operator.....	1,427.93	56.30
23 21	13 23-	1926	EA 10" Balancing Plug Valve, Grooved, With Gear Operator.....	2,233.16	76.26
23 21	13 23-	1927	EA 12" Balancing Plug Valve, Grooved, With Gear Operator.....	3,218.38	88.04
23 21	13 23-	1928	Prepare Pipe For Groove <small>(23 21 13 23-1928)</small>		
23 21	13 23-	1929	Cut Grooved Pipe <small>(23 21 13 23-1928)</small> Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		
23 21	13 23-	1930	EA Cut 3/4" Groove.....	9.22	
23 21	13 23-	1931	EA Cut 1" Groove.....	10.00	
23 21	13 23-	1932	EA Cut 1-1/4" Groove.....	11.30	
23 21	13 23-	1933	EA Cut 1-1/2" Groove.....	12.29	
23 21	13 23-	1934	EA Cut 2" Groove.....	13.46	
23 21	13 23-	1935	EA Cut 2-1/2" Groove.....	14.59	
23 21	13 23-	1936	EA Cut 3" Groove.....	15.92	
23 21	13 23-	1937	EA Cut 3-1/2" Groove.....	16.87	
23 21	13 23-	1938	EA Cut 4" Groove.....	17.96	
23 21	13 23-	1939	EA Cut 5" Groove.....	19.45	
23 21	13 23-	1940	EA Cut 6" Groove.....	20.01	
23 21	13 23-	1941	EA Cut 8" Groove.....	25.94	
23 21	13 23-	1942	EA Cut 10" Groove.....	36.86	
23 21	13 23-	1943	EA Cut 12" Groove.....	46.69	
23 21	13 23-	1944	EA Cut 14" Groove.....	70.03	
23 21	13 23-	1945	EA Cut 16" Groove.....	73.71	
23 21	13 23-	1946	EA Cut 18" Groove.....	77.81	
23 21	13 23-	1947	EA Cut 20" Groove.....	82.39	
23 21	13 23-	1948	EA Cut 24" Groove.....	93.37	
23 21	13 23-	1949	Roll Grooved Pipe <small>(23 21 13 23-1928)</small> Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		
23 21	13 23-	1950	EA Roll 3/4" Groove.....	5.26	
23 21	13 23-	1951	EA Roll 1" Groove.....	6.15	
23 21	13 23-	1952	EA Roll 1-1/4" Groove.....	7.00	
23 21	13 23-	1953	EA Roll 1-1/2" Groove.....	7.87	
23 21	13 23-	1954	EA Roll 2" Groove.....	12.07	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21 13 23-1955	EA	Roll 2-1/2" Groove	12.73	
23 21 13 23-1956	EA	Roll 3" Groove.....	14.01	
23 21 13 23-1957	EA	Roll 3-1/2" Groove	14.90	
23 21 13 23-1958	EA	Roll 4" Groove.....	16.29	
23 21 13 23-1959	EA	Roll 5" Groove.....	16.67	
23 21 13 23-1960	EA	Roll 6" Groove.....	17.51	
23 21 13 23-1961	EA	Roll 8" Groove.....	21.22	
23 21 13 23-1962	EA	Roll 10" Groove.....	24.15	
23 21 13 23-1963	EA	Roll 12" Groove.....	30.45	
23 21 13 23-1964	EA	Roll 14" Groove.....	46.69	
23 21 13 23-1965	EA	Roll 16" Groove.....	50.02	
23 21 13 23-1966	EA	Roll 18" Groove.....	51.88	
23 21 13 23-1967	EA	Roll 20" Groove.....	56.02	
23 21 13 23-1968	EA	Roll 24" Groove.....	60.89	

23 21 13 23-1969**Standard Gaskets** (23 21 13 23-1928)

Note: For use on replacement of existing gaskets.

23 21 13 23-1970	EA	3/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	23.25	
23 21 13 23-1971	EA	1" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	23.99	
23 21 13 23-1972	EA	1-1/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	25.03	
23 21 13 23-1973	EA	1-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	27.40	
23 21 13 23-1974	EA	2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	27.94	
23 21 13 23-1975	EA	2-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	32.92	
23 21 13 23-1976	EA	3" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	36.05	
23 21 13 23-1977	EA	3-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	44.66	
23 21 13 23-1978	EA	4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	45.08	
23 21 13 23-1979	EA	5" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	56.65	
23 21 13 23-1980	EA	6" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	60.96	
23 21 13 23-1981	EA	8" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	83.03	
23 21 13 23-1982	EA	10" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	104.58	
23 21 13 23-1983	EA	12" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	123.01	
23 21 13 23-1984	EA	14" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	171.47	
23 21 13 23-1985	EA	16" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	230.49	
23 21 13 23-1986	EA	18" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	274.08	
23 21 13 23-1987	EA	20" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	409.37	
23 21 13 23-1988	EA	24" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	562.18	

23 21 13 23-1989**Copper Grooved-Joint Pipe Fittings** (23 21 13 23)

Note: Couplings are not included with fittings.

23 21 13 23-1990**Grooved Fittings** (23 21 13 23-1989)**23 21 13 23-1991****Grooved 90 Degree Elbows** (23 21 13 23-1990)

23 21 13 23-1992	EA	2" Copper 90 Degree Elbow, Grooved.....	60.56	14.34
23 21 13 23-1993	EA	2-1/2" Copper 90 Degree Elbow, Grooved.....	69.45	17.51
23 21 13 23-1994	EA	3" Copper 90 Degree Elbow, Grooved.....	90.67	21.20
23 21 13 23-1995	EA	4" Copper 90 Degree Elbow, Grooved.....	166.72	27.97
23 21 13 23-1996	EA	5" Copper 90 Degree Elbow, Grooved.....	383.83	35.01
23 21 13 23-1997	EA	6" Copper 90 Degree Elbow, Grooved.....	592.39	45.82
23 21 13 23-1998	EA	8" Copper 90 Degree Elbow, Grooved.....	1,049.16	54.54

23 21 13 23-1999**Grooved 45 Degree Elbows** (23 21 13 23-1990)

23 21 13 23-2000	EA	2" Copper 45 Degree Elbow, Grooved.....	60.56	14.34
23 21 13 23-2001	EA	2-1/2" Copper 45 Degree Elbow, Grooved.....	69.45	17.51
23 21 13 23-2002	EA	3" Copper 45 Degree Elbow, Grooved.....	90.67	21.20
23 21 13 23-2003	EA	4" Copper 45 Degree Elbow, Grooved.....	166.72	27.97
23 21 13 23-2004	EA	5" Copper 45 Degree Elbow, Grooved.....	383.83	35.01
23 21 13 23-2005	EA	6" Copper 45 Degree Elbow, Grooved.....	592.39	45.82
23 21 13 23-2006	EA	8" Copper 45 Degree Elbow, Grooved.....	1,049.16	54.54

23 21 13 23-2007**Grooved Tees** (23 21 13 23-1990)

23 21 13 23-2008	EA	2" Copper Tee, Grooved.....	94.43	21.11
23 21 13 23-2009	EA	2-1/2" Copper Tee, Grooved.....	107.23	25.95
23 21 13 23-2010	EA	3" Copper Tee, Grooved.....	146.03	31.84
23 21 13 23-2011	EA	4" Copper Tee, Grooved.....	262.97	41.16
23 21 13 23-2012	EA	5" Copper Tee, Grooved.....	902.38	53.83
23 21 13 23-2013	EA	6" Copper Tee, Grooved.....	759.00	67.37
23 21 13 23-2014	EA	8" Copper Tee, Grooved.....	1,278.33	81.80

23 21 13 23-2015**Grooved Reducing Tees** (23 21 13 23-1990)

23 21 13 23-2016	EA	2-1/2" Copper Tee, Reducing, Grooved.....	134.39	25.95
23 21 13 23-2017	EA	3" Copper Tee, Reducing, Grooved.....	203.71	31.84
23 21 13 23-2018	EA	4" Copper Tee, Reducing, Grooved.....	319.63	41.25
23 21 13 23-2019	EA	5" Copper Tee, Reducing, Grooved.....	831.80	53.92
23 21 13 23-2020	EA	6" Copper Tee, Reducing, Grooved.....	1,018.75	67.37



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2021				Grooved X Cup Reducing Tees <small>(23 21 13 23-1990)</small>		
			EA	2" Copper Tee, Reducing, Grooved X Cup.....	108.95	21.11
			EA	2-1/2" Copper Tee, Reducing, Grooved X Cup.....	134.69	25.95
			EA	3" Copper Tee, Reducing, Grooved X Cup.....	216.78	31.84
			EA	4" Copper Tee, Reducing, Grooved X Cup.....	319.63	41.16
23 21 13 23-2026				Grooved Flanged Adapter Nipples <small>(23 21 13 23-1990)</small>		
			EA	2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	168.50	15.57
			EA	2-1/2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	180.78	18.91
			EA	3" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	194.92	22.61
			EA	4" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	225.05	30.44
			EA	5" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	294.37	36.86
			EA	6" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	339.70	49.79
23 21 13 23-2033				Grooved Concentric Reducers <small>(23 21 13 23-1990)</small>		
			EA	2-1/2" x 2" Copper Concentric Reducer, Grooved.....	77.72	16.01
			EA	3" x 2" Copper Concentric Reducer, Grooved.....	81.24	17.86
			EA	3" x 2-1/2" Copper Concentric Reducer, Grooved.....	88.06	21.20
			EA	4" x 2" Copper Concentric Reducer, Grooved.....	135.93	21.37
			EA	4" x 2-1/2" Copper Concentric Reducer, Grooved.....	139.01	22.87
			EA	4" x 3" Copper Concentric Reducer, Grooved.....	142.53	24.63
			EA	5" x 3" Copper Concentric Reducer, Grooved.....	318.67	28.14
			EA	5" x 4" Copper Concentric Reducer, Grooved.....	325.70	31.66
			EA	6" x 3" Copper Concentric Reducer, Grooved.....	350.88	33.43
			EA	6" x 4" Copper Concentric Reducer, Grooved.....	357.91	36.95
			EA	6" x 5" Copper Concentric Reducer, Grooved.....	364.96	40.46
			EA	8" x 6" Copper Concentric Reducer, Grooved.....	598.72	50.14
23 21 13 23-2046				Grooved X Cup Concentric Reducers <small>(23 21 13 23-1990)</small>		
			EA	2" x 1" Copper Concentric Reducer, Grooved X Cup.....	60.21	11.26
			EA	2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup.....	61.09	11.70
			EA	2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup.....	63.78	13.02
			EA	2-1/2" x 1" Copper Concentric Reducer, Grooved X Cup.....	71.33	12.58
			EA	2-1/2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup.....	72.20	13.02
			EA	2-1/2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup.....	74.79	14.34
			EA	2-1/2" x 2" Copper Concentric Reducer, Grooved X Cup.....	78.30	16.01
			EA	3" x 1-1/2" Copper Concentric Reducer, Grooved X Cup.....	89.48	16.01
			EA	3" x 2" Copper Concentric Reducer, Grooved X Cup.....	93.00	17.86
			EA	4" x 2" Copper Concentric Reducer, Grooved X Cup.....	149.15	21.28
23 21 13 23-2057				Grooved Standard Couplings <small>(23 21 13 23-1990)</small>		
			EA	2" Copper Standard Coupling, Grooved.....	25.34	7.21
			EA	2-1/2" Copper Standard Coupling, Grooved.....	30.08	8.79
			EA	3" Copper Standard Coupling, Grooved.....	34.75	10.46
			EA	4" Copper Standard Coupling, Grooved.....	49.19	14.08
			EA	5" Copper Standard Coupling, Grooved.....	71.05	17.51
			EA	6" Copper Standard Coupling, Grooved.....	93.40	22.87
			EA	8" Copper Standard Coupling, Grooved.....	128.63	27.27
23 21 13 23-2065				Grooved Caps <small>(23 21 13 23-1990)</small>		
			EA	2" Copper Cap, Grooved.....	36.30	7.21
			EA	2-1/2" Copper Cap, Grooved.....	50.05	8.79
			EA	3" Copper Cap, Grooved.....	61.29	10.46
			EA	4" Copper Cap, Grooved.....	88.59	13.99
			EA	5" Copper Cap, Grooved.....	142.43	17.51
			EA	6" Copper Cap, Grooved.....	169.44	22.87
23 21 13 23-2072				Grooved Valves <small>(23 21 13 23-1989)</small>		
23 21 13 23-2073				Grooved Butterfly Valves, Standard Trim, Without Operator <small>(23 21 13 23-2072)</small>		
				Note: Copper body.		
			EA	2" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body.....	430.84	9.41
				For Chain Wheel, Add	43.45	
				For Valve Bracket Insulation, Add	38.20	
			EA	3" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body.....	489.40	13.99
				For Chain Wheel, Add	43.45	
				For Valve Bracket Insulation, Add	38.20	
			EA	4" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body.....	646.95	18.38
				For Chain Wheel, Add	43.45	
				For Valve Bracket Insulation, Add	38.20	
			EA	6" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body.....	862.19	30.17
				For Chain Wheel, Add	43.45	
				For Valve Bracket Insulation, Add	38.20	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2078 EA 8" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body.....	948.68	42.40
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2079 Grooved Butterfly Valves, Standard Trim, With Operator (23 21 13 23-2072)		
Note: Copper body.		
23 21 13 23-2080 EA 2" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	526.75	9.41
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2081 EA 3" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	585.37	13.99
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2082 EA 4" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	742.92	18.38
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2083 EA 6" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	958.23	30.17
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2084 EA 8" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	1,044.65	42.40
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2085 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings (23 21 13 23)		
Note: Socket or back weld.		
23 21 13 23-2086 Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings (23 21 13 23-2085)		
Note: ASTM D1785 with D2466 fittings.		
23 21 13 23-2087 Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe (23 21 13 23-2086)		
23 21 13 23-2088 LF 1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	4.10	2.52
For Work In Restricted Working Space, Add	1.13	
23 21 13 23-2089 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	5.15	3.14
For Work In Restricted Working Space, Add	1.42	
23 21 13 23-2090 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	5.65	3.35
For Work In Restricted Working Space, Add	1.51	
23 21 13 23-2091 LF 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	6.22	3.60
For Work In Restricted Working Space, Add	1.62	
23 21 13 23-2092 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	6.42	3.67
For Work In Restricted Working Space, Add	1.65	
23 21 13 23-2093 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	7.85	4.39
For Work In Restricted Working Space, Add	1.98	
23 21 13 23-2094 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	9.82	5.21
For Work In Restricted Working Space, Add	2.35	
23 21 13 23-2095 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	12.05	6.31
For Work In Restricted Working Space, Add	2.84	
23 21 13 23-2096 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	17.92	9.46
For Work In Restricted Working Space, Add	4.26	
23 21 13 23-2097 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	25.44	12.62
For Work In Restricted Working Space, Add	5.68	
23 21 13 23-2098 LF 8" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	32.44	15.03
For Work In Restricted Working Space, Add	6.77	
23 21 13 23-2099 LF 10" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	55.45	16.79
For Work In Restricted Working Space, Add	7.55	
23 21 13 23-2100 Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows (23 21 13 23-2086)		
23 21 13 23-2101 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	14.52	9.50
For Work In Restricted Working Space, Add	4.26	
23 21 13 23-2102 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	19.38	12.58
For Work In Restricted Working Space, Add	5.68	
23 21 13 23-2103 EA 1" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	24.28	15.66
For Work In Restricted Working Space, Add	7.04	
23 21 13 23-2104 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	34.71	22.17
For Work In Restricted Working Space, Add	9.96	
23 21 13 23-2105 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	39.05	24.98
For Work In Restricted Working Space, Add	11.23	
23 21 13 23-2106 EA 2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	50.09	31.76
For Work In Restricted Working Space, Add	14.26	
23 21 13 23-2107 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	78.10	46.97
For Work In Restricted Working Space, Add	21.11	
23 21 13 23-2108 EA 3" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	101.89	61.75
For Work In Restricted Working Space, Add	27.78	
23 21 13 23-2109 EA 4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	126.56	73.36
For Work In Restricted Working Space, Add	32.99	
23 21 13 23-2110 EA 6" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	165.41	83.83
For Work In Restricted Working Space, Add	37.70	
23 21 13 23-2111 EA 8" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	248.99	97.81
For Work In Restricted Working Space, Add	43.98	
23 21 13 23-2112 EA 10" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	372.01	145.84
For Work In Restricted Working Space, Add	65.57	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2113 Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <small>(23 21 13 23-2086)</small>						
23 21 13 23-2114	EA			1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows 14.69		9.50
				<i>For Work In Restricted Working Space, Add</i>	4.26	
23 21 13 23-2115	EA			3/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows 19.71		12.58
				<i>For Work In Restricted Working Space, Add</i>	5.68	
23 21 13 23-2116	EA			1" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows 24.74		15.66
				<i>For Work In Restricted Working Space, Add</i>	7.04	
23 21 13 23-2117	EA			1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows 35.01		22.17
				<i>For Work In Restricted Working Space, Add</i>	9.96	
23 21 13 23-2118	EA			1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows 39.71		24.98
				<i>For Work In Restricted Working Space, Add</i>	11.23	
23 21 13 23-2119	EA			2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows 50.52		31.76
				<i>For Work In Restricted Working Space, Add</i>	14.26	
23 21 13 23-2120	EA			2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows 78.10		46.97
				<i>For Work In Restricted Working Space, Add</i>	21.11	
23 21 13 23-2121	EA			3" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows 104.66		61.75
				<i>For Work In Restricted Working Space, Add</i>	27.78	
23 21 13 23-2122	EA			4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows 131.62		73.36
				<i>For Work In Restricted Working Space, Add</i>	32.99	
23 21 13 23-2123	EA			6" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows 165.88		83.83
				<i>For Work In Restricted Working Space, Add</i>	37.70	
23 21 13 23-2124	EA			8" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows 243.39		97.81
				<i>For Work In Restricted Working Space, Add</i>	43.98	
23 21 13 23-2125	EA			10" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows 372.01		145.84
				<i>For Work In Restricted Working Space, Add</i>	65.57	
23 21 13 23-2126 Schedule 40 Polyvinyl Chloride (PVC) Tees <small>(23 21 13 23-2086)</small>						
23 21 13 23-2127	EA			1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees 23.85		15.66
				<i>For Work In Restricted Working Space, Add</i>	7.04	
23 21 13 23-2128	EA			3/4" Schedule 40 Polyvinyl Chloride (PVC) Tees 28.80		18.91
				<i>For Work In Restricted Working Space, Add</i>	8.51	
23 21 13 23-2129	EA			1" Schedule 40 Polyvinyl Chloride (PVC) Tees 38.26		24.98
				<i>For Work In Restricted Working Space, Add</i>	11.23	
23 21 13 23-2130	EA			1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Tees 48.86		31.76
				<i>For Work In Restricted Working Space, Add</i>	14.26	
23 21 13 23-2131	EA			1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees 58.37		37.82
				<i>For Work In Restricted Working Space, Add</i>	17.03	
23 21 13 23-2132	EA			2" Schedule 40 Polyvinyl Chloride (PVC) Tees 72.71		46.97
				<i>For Work In Restricted Working Space, Add</i>	21.11	
23 21 13 23-2133	EA			2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees 100.40		61.75
				<i>For Work In Restricted Working Space, Add</i>	27.78	
23 21 13 23-2134	EA			3" Schedule 40 Polyvinyl Chloride (PVC) Tees 120.17		73.36
				<i>For Work In Restricted Working Space, Add</i>	32.99	
23 21 13 23-2135	EA			4" Schedule 40 Polyvinyl Chloride (PVC) Tees 165.13		97.81
				<i>For Work In Restricted Working Space, Add</i>	43.98	
23 21 13 23-2136	EA			6" Schedule 40 Polyvinyl Chloride (PVC) Tees 251.61		126.13
				<i>For Work In Restricted Working Space, Add</i>	56.75	
23 21 13 23-2137	EA			8" Schedule 40 Polyvinyl Chloride (PVC) Tees 379.44		156.47
				<i>For Work In Restricted Working Space, Add</i>	70.37	
23 21 13 23-2138	EA			10" Schedule 40 Polyvinyl Chloride (PVC) Tees 917.51		233.79
				<i>For Work In Restricted Working Space, Add</i>	105.16	
23 21 13 23-2139 Schedule 40 Polyvinyl Chloride (PVC) Crosses <small>(23 21 13 23-2086)</small>						
23 21 13 23-2140	EA			1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses 29.94		19.53
				<i>For Work In Restricted Working Space, Add</i>	8.80	
23 21 13 23-2141	EA			3/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses 36.14		23.67
				<i>For Work In Restricted Working Space, Add</i>	10.64	
23 21 13 23-2142	EA			1" Schedule 40 Polyvinyl Chloride (PVC) Crosses 48.09		31.22
				<i>For Work In Restricted Working Space, Add</i>	14.04	
23 21 13 23-2143	EA			1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses 61.51		39.67
				<i>For Work In Restricted Working Space, Add</i>	17.83	
23 21 13 23-2144	EA			1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses 73.48		47.32
				<i>For Work In Restricted Working Space, Add</i>	21.28	
23 21 13 23-2145	EA			2" Schedule 40 Polyvinyl Chloride (PVC) Crosses 91.64		58.67
				<i>For Work In Restricted Working Space, Add</i>	26.39	
23 21 13 23-2146	EA			2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses 127.97		77.22
				<i>For Work In Restricted Working Space, Add</i>	34.72	
23 21 13 23-2147	EA			3" Schedule 40 Polyvinyl Chloride (PVC) Crosses 153.45		91.65
				<i>For Work In Restricted Working Space, Add</i>	41.23	
23 21 13 23-2148	EA			4" Schedule 40 Polyvinyl Chloride (PVC) Crosses 212.29		122.26
				<i>For Work In Restricted Working Space, Add</i>	54.98	
23 21 13 23-2149	EA			6" Schedule 40 Polyvinyl Chloride (PVC) Crosses 334.25		157.62
				<i>For Work In Restricted Working Space, Add</i>	70.90	
23 21 13 23-2150	EA			8" Schedule 40 Polyvinyl Chloride (PVC) Crosses 520.17		195.44
				<i>For Work In Restricted Working Space, Add</i>	87.91	
23 21 13 23-2151	EA			10" Schedule 40 Polyvinyl Chloride (PVC) Crosses 1,327.17		292.37
				<i>For Work In Restricted Working Space, Add</i>	131.51	
23 21 13 23-2152 Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <small>(23 21 13 23-2086)</small>						

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2153	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	15.01 4.41	3.67
23 21	13 23-2154	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	19.47 5.65	4.71
23 21	13 23-2155	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	26.00 7.55	6.30
23 21	13 23-2156	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	32.24 9.41	7.85
23 21	13 23-2157	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	39.23 11.33	9.44
23 21	13 23-2158	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	54.72 15.72	12.57
23 21	13 23-2159	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	75.89 21.73	18.10
23 21	13 23-2160	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	97.85 27.00	22.50
23 21	13 23-2161	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	124.19 31.41	26.18
23 21	13 23-2162	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	233.03 36.30	30.25
23 21	13 23-2163	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	286.67 48.69	40.58
23 21	13 23-2164		Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <small>(23 21 13 23-2086)</small>		
23 21	13 23-2165	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	14.88 4.26	9.50
23 21	13 23-2166	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	19.61 5.68	12.58
23 21	13 23-2167	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	24.31 7.04	15.66
23 21	13 23-2168	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	34.51 9.96	22.17
23 21	13 23-2169	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	38.95 11.23	24.98
23 21	13 23-2170	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	49.62 14.26	31.76
23 21	13 23-2171	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	73.37 21.11	46.97
23 21	13 23-2172	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	96.06 27.78	61.75
23 21	13 23-2173	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	117.79 32.99	73.36
23 21	13 23-2174		Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <small>(23 21 13 23-2086)</small>		
23 21	13 23-2175	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	15.12 4.26	9.50
23 21	13 23-2176	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	19.85 5.68	12.58
23 21	13 23-2177	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	24.77 7.04	15.66
23 21	13 23-2178	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	34.78 9.96	22.17
23 21	13 23-2179	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	39.55 11.23	24.98
23 21	13 23-2180	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	50.15 14.26	31.76
23 21	13 23-2181	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	73.97 21.11	46.97
23 21	13 23-2182	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	97.88 27.78	61.75
23 21	13 23-2183	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	116.73 32.99	73.36
23 21	13 23-2184		Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <small>(23 21 13 23-2086)</small>		
23 21	13 23-2185	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	14.52 4.26	9.50
23 21	13 23-2186	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	19.35 5.68	12.58
23 21	13 23-2187	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	23.95 7.04	15.66
23 21	13 23-2188	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	33.98 9.96	22.17
23 21	13 23-2189	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	38.36 11.23	24.98
23 21	13 23-2190	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	48.80 14.26	31.76
23 21	13 23-2191	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	75.82 21.11	46.97



MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
23 21	13 23-2192	EA 3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	99.93 27.78	61.75
23 21	13 23-2193	EA 4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	122.09 32.99	73.36
23 21 13 23-2194		Schedule 40 Polyvinyl Chloride (PVC) P-Traps (23 21 13 23-2086)		
23 21	13 23-2195	EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) P-Traps..... <i>For Work In Restricted Working Space, Add</i>	21.76 5.81	12.93
23 21 13 23-2196		Schedule 40 Polyvinyl Chloride (PVC) Couplings (23 21 13 23-2086)		
23 21	13 23-2197	EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	14.39 4.26	9.50
23 21	13 23-2198	EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	19.18 5.68	12.58
23 21	13 23-2199	EA 1" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	23.95 7.04	15.66
23 21	13 23-2200	EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	33.85 9.96	22.17
23 21	13 23-2201	EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	38.16 11.23	24.98
23 21	13 23-2202	EA 2" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	48.66 14.26	31.76
23 21	13 23-2203	EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	72.87 21.11	46.97
23 21	13 23-2204	EA 3" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	96.53 27.78	61.75
23 21	13 23-2205	EA 4" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	115.67 32.99	73.36
23 21	13 23-2206	EA 6" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	143.78 37.70	83.83
23 21	13 23-2207	EA 8" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	180.47 43.98	97.81
23 21	13 23-2208	EA 10" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	312.62 47.14	104.84
23 21 13 23-2209		Schedule 40 Polyvinyl Chloride (PVC) Unions (23 21 13 23-2086)		
23 21	13 23-2210	EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	25.47 7.04	15.66
23 21	13 23-2211	EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	33.96 8.51	18.91
23 21	13 23-2212	EA 1" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	43.68 11.23	24.98
23 21	13 23-2213	EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	62.76 14.26	31.76
23 21	13 23-2214	EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	72.63 17.03	37.82
23 21	13 23-2215	EA 2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	91.76 21.11	46.97
23 21	13 23-2216	EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	131.43 27.78	61.75
23 21	13 23-2217	EA 3" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	151.10 32.99	73.36
23 21	13 23-2218	EA 4" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	228.21 43.98	97.81
23 21	13 23-2219	EA 6" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	298.47 56.72	126.13
23 21	13 23-2220	EA 8" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	414.91 70.33	156.39
23 21	13 23-2221	EA 10" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	588.59 87.33	194.12
23 21 13 23-2222		Schedule 40 Polyvinyl Chloride (PVC) Caps (23 21 13 23-2086)		
23 21	13 23-2223	EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	14.61 4.31	9.61
23 21	13 23-2224	EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	19.25 5.68	12.58
23 21	13 23-2225	EA 1" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	23.98 7.04	15.66
23 21	13 23-2226	EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	34.31 10.07	22.42
23 21	13 23-2227	EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	38.22 11.23	24.98
23 21	13 23-2228	EA 2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	48.50 14.26	31.76
23 21	13 23-2229	EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	73.50 21.11	46.97
23 21	13 23-2230	EA 3" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	96.00 27.78	61.75

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 20 HVAC Piping And Pumps

23 21 Hydronic Piping And Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2231	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	117.76 32.99	73.36
23 21	13 23-2232	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	144.34 37.70	83.83
23 21	13 23-2233	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	209.12 43.98	97.81
23 21	13 23-2234	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	388.48 47.14	104.84
23 21 13 23-2235 Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <small>(23 21 13 23-2086)</small>					
23 21	13 23-2236	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Socket Weld Flanges <i>For Work In Restricted Working Space, Add</i>	30.10 7.04	15.66
23 21	13 23-2237	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	38.56 8.51	18.91
23 21	13 23-2238	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	48.78 11.23	24.98
23 21	13 23-2239	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	59.22 14.26	31.76
23 21	13 23-2240	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	68.69 17.03	37.82
23 21	13 23-2241	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	86.24 21.11	46.97
23 21	13 23-2242	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	117.10 27.78	61.75
23 21	13 23-2243	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	137.01 32.99	73.36
23 21	13 23-2244	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	180.87 43.98	97.81
23 21	13 23-2245	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	242.96 56.72	126.13
23 21	13 23-2246	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	356.00 70.33	156.39
23 21	13 23-2247	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	564.64 87.19	193.86
23 21 13 23-2248 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings <small>(23 21 13 23-2085)</small>					
Note: ASTM D1785 with D2467 fittings.					
23 21 13 23-2249 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <small>(23 21 13 23-2248)</small>					
23 21	13 23-2250	LF	1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	4.20 1.13	2.56
23 21	13 23-2251	LF	3/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	5.27 1.42	3.17
23 21	13 23-2252	LF	1" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	6.46 1.70	3.78
23 21	13 23-2253	LF	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	7.70 1.98	4.40
23 21	13 23-2254	LF	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	8.86 2.27	5.01
23 21	13 23-2255	LF	2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	11.36 2.84	6.33
23 21	13 23-2256	LF	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	13.24 3.12	6.95
23 21	13 23-2257	LF	3" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	15.11 3.41	7.57
23 21	13 23-2258	LF	4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	19.71 4.26	9.50
23 21	13 23-2259	LF	6" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	29.41 5.68	12.58
23 21	13 23-2260	LF	8" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	38.53 6.77	15.04
23 21	13 23-2261	LF	10" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	73.53 7.29	16.18
23 21 13 23-2262 Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <small>(23 21 13 23-2248)</small>					
23 21	13 23-2263	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	15.38 4.26 2.13	9.50
23 21	13 23-2264	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	20.47 5.68 2.84	12.58
23 21	13 23-2265	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	25.96 7.04 3.52	15.66
23 21	13 23-2266	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	36.53 9.96 4.98	22.17
23 21	13 23-2267	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	41.00 11.23 5.61	24.98



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 21 13 23-2268	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add For Threaded Fittings, Add</i>	51.87	14.26 7.13	31.76
23 21 13 23-2269	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add For Threaded Fittings, Add</i>	80.52	21.11 10.55	46.97
23 21 13 23-2270	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add For Threaded Fittings, Add</i>	104.00	27.78 13.89	61.75
23 21 13 23-2271	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add For Threaded Fittings, Add</i>	127.28	32.99 16.49	73.36
23 21 13 23-2272	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add For Threaded Fittings, Add</i>	188.27	37.70 18.85	83.83
23 21 13 23-2273	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add For Threaded Fittings, Add</i>	282.73	43.98 21.99	97.81
23 21 13 23-2274	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add For Threaded Fittings, Add</i>	399.23	73.74 36.87	163.96
23 21 13 23-2275 Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows (23 21 13 23-2248)					
23 21 13 23-2276	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add For Threaded Fittings, Add</i>	16.47	4.26 2.13	9.50
23 21 13 23-2277	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add For Threaded Fittings, Add</i>	22.39	5.68 2.84	12.58
23 21 13 23-2278	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add For Threaded Fittings, Add</i>	28.68	7.04 3.52	15.66
23 21 13 23-2279	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add For Threaded Fittings, Add</i>	39.87	9.96 4.98	22.17
23 21 13 23-2280	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add For Threaded Fittings, Add</i>	45.30	11.23 5.61	24.98
23 21 13 23-2281	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add For Threaded Fittings, Add</i>	57.76	14.26 7.13	31.76
23 21 13 23-2282	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add For Threaded Fittings, Add</i>	91.86	21.11 10.55	46.97
23 21 13 23-2283	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add For Threaded Fittings, Add</i>	118.76	27.78 13.89	61.75
23 21 13 23-2284	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add For Threaded Fittings, Add</i>	157.09	32.99 16.49	73.36
23 21 13 23-2285	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add For Threaded Fittings, Add</i>	185.00	37.70 18.85	83.83
23 21 13 23-2286	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add For Threaded Fittings, Add</i>	275.29	43.98 21.99	97.81
23 21 13 23-2287	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add For Threaded Fittings, Add</i>	390.87	73.74 36.87	163.96
23 21 13 23-2288 Schedule 80 Polyvinyl Chloride (PVC) Tees (23 21 13 23-2248)					
23 21 13 23-2289	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add For Threaded Fittings, Add</i>	25.68	6.68 3.34	14.86
23 21 13 23-2290	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add For Threaded Fittings, Add</i>	31.94	8.51 4.26	18.91
23 21 13 23-2291	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add For Threaded Fittings, Add</i>	41.90	11.23 5.61	24.98
23 21 13 23-2292	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add For Threaded Fittings, Add</i>	59.88	14.26 7.13	31.76
23 21 13 23-2293	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add For Threaded Fittings, Add</i>	69.09	17.03 8.51	37.82
23 21 13 23-2294	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add For Threaded Fittings, Add</i>	85.81	21.11 10.55	46.97
23 21 13 23-2295	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add For Threaded Fittings, Add</i>	109.40	27.78 13.89	61.75

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps**

23 21 Hydronic Piping And Pumps



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2296 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	130.92 32.99 16.49	73.36
23 21 13 23-2297 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	170.92 43.98 21.99	97.81
23 21 13 23-2298 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	272.22 56.75 28.37	126.13
23 21 13 23-2299 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	427.23 70.37 35.18	156.47
23 21 13 23-2300 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	917.55 105.16 52.58	233.79
23 21 13 23-2301 Schedule 80 Polyvinyl Chloride (PVC) Crosses (23 21 13 23-2248)		
23 21 13 23-2302 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	33.17 8.35 4.17	18.55
23 21 13 23-2303 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	41.07 10.64 5.32	23.67
23 21 13 23-2304 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	53.79 14.04 7.02	31.22
23 21 13 23-2305 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	78.78 17.83 8.92	39.67
23 21 13 23-2306 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	90.28 21.28 10.64	47.32
23 21 13 23-2307 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	112.18 26.39 13.19	58.67
23 21 13 23-2308 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	142.08 34.72 17.36	77.22
23 21 13 23-2309 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	170.31 41.23 20.61	91.65
23 21 13 23-2310 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	221.37 54.98 27.49	122.26
23 21 13 23-2311 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	366.56 70.90 35.45	157.62
23 21 13 23-2312 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	595.07 87.91 43.95	195.44
23 21 13 23-2313 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	1,327.23 131.51 65.76	292.37
23 21 13 23-2314 Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts (23 21 13 23-2248)		
23 21 13 23-2315 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	19.61 5.68	12.58
23 21 13 23-2316 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	25.47 7.04	15.66
23 21 13 23-2317 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	36.37 9.96	22.17
23 21 13 23-2318 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	41.76 11.23	24.98
23 21 13 23-2319 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	53.73 14.26	31.76
23 21 13 23-2320 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	81.08 21.11	46.97
23 21 13 23-2321 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	109.63 27.78	61.75
23 21 13 23-2322 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	133.57 32.99	73.36
23 21 13 23-2323 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	151.85 37.70	83.83
23 21 13 23-2324 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	204.75 43.98	97.81
23 21 13 23-2325 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	294.69 51.09	113.56
23 21 13 23-2326 Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts (23 21 13 23-2248)		
23 21 13 23-2327 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	14.42 4.26	9.50



	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2328	EA		3/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	20.21 5.68	12.58
23 21 13 23-2329	EA		1" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	25.47 7.04	15.66
23 21 13 23-2330	EA		1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	37.29 9.96	22.17
23 21 13 23-2331	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	42.59 11.23	24.98
23 21 13 23-2332	EA		2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	53.86 14.26	31.76
23 21 13 23-2333	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	83.72 21.11	46.97
23 21 13 23-2334	EA		3" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	117.33 27.78	61.75
23 21 13 23-2335	EA		4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	147.99 32.99	73.36
23 21 13 23-2336 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male					
Adapters <small>(23 21 13 23-2248)</small>					
23 21 13 23-2337	EA		1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	17.00 4.26	9.50
23 21 13 23-2338	EA		3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	22.03 5.68	12.58
23 21 13 23-2339	EA		1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	28.88 7.04	15.66
23 21 13 23-2340	EA		1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	39.54 9.96	22.17
23 21 13 23-2341	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	46.56 11.23	24.98
23 21 13 23-2342	EA		2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	59.45 14.26	31.76
23 21 13 23-2343	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	83.92 21.11	46.97
23 21 13 23-2344	EA		3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	107.64 27.78	61.75
23 21 13 23-2345	EA		4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	136.71 32.99	73.36
23 21 13 23-2346 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female					
Adapters <small>(23 21 13 23-2248)</small>					
23 21 13 23-2347	EA		1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	16.24 4.26	9.50
23 21 13 23-2348	EA		3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	21.96 5.68	12.58
23 21 13 23-2349	EA		1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	27.95 7.04	15.66
23 21 13 23-2350	EA		1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	40.50 9.96	22.17
23 21 13 23-2351	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	46.39 11.23	24.98
23 21 13 23-2352	EA		2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	63.15 14.26	31.76
23 21 13 23-2353	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	95.04 21.11	46.97
23 21 13 23-2354	EA		3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	120.38 27.78	61.75
23 21 13 23-2355	EA		4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	157.72 32.99	73.36
23 21 13 23-2356 Schedule 80 Polyvinyl Chloride (PVC) Couplings <small>(23 21 13 23-2248)</small>					
23 21 13 23-2357	EA		1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	16.37 4.26 2.13	9.50
23 21 13 23-2358	EA		3/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	21.86 5.68 2.84	12.58
23 21 13 23-2359	EA		1" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	26.49 7.04 3.52	15.66
23 21 13 23-2360	EA		1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	37.85 9.96 4.98	22.17
23 21 13 23-2361	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	42.46 11.23 5.61	24.98
23 21 13 23-2362	EA		2" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	52.90 14.26 7.13	31.76

23 Heating, Ventilating, And Air-Conditioning (HVAC)
23 20 HVAC Piping And Pumps
23 21 Hydronic Piping And Pumps


MINOR					TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION			UNIT COST	UNIT COST
23 21 13 23-2363	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	83.62			46.97
		<i>For Work In Restricted Working Space, Add</i>	21.11			
		<i>For Threaded Fittings, Add</i>	10.55			
23 21 13 23-2364	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	107.84			61.75
		<i>For Work In Restricted Working Space, Add</i>	27.78			
		<i>For Threaded Fittings, Add</i>	13.89			
23 21 13 23-2365	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	129.07			73.36
		<i>For Work In Restricted Working Space, Add</i>	32.99			
		<i>For Threaded Fittings, Add</i>	16.49			
23 21 13 23-2366	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	166.77			83.83
		<i>For Work In Restricted Working Space, Add</i>	37.70			
		<i>For Threaded Fittings, Add</i>	18.85			
23 21 13 23-2367	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	202.57			97.81
		<i>For Work In Restricted Working Space, Add</i>	43.98			
		<i>For Threaded Fittings, Add</i>	21.99			
23 21 13 23-2368	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	322.54			104.84
		<i>For Work In Restricted Working Space, Add</i>	47.14			
		<i>For Threaded Fittings, Add</i>	23.57			
23 21 13 23-2369		Schedule 80 Polyvinyl Chloride (PVC) Unions <small>(23 21 13 23-22 48)</small>				
23 21 13 23-2370	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	28.35			15.66
		<i>For Work In Restricted Working Space, Add</i>	7.04			
23 21 13 23-2371	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Unions	34.03			18.91
		<i>For Work In Restricted Working Space, Add</i>	8.51			
23 21 13 23-2372	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Unions	43.88			24.98
		<i>For Work In Restricted Working Space, Add</i>	11.23			
23 21 13 23-2373	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Unions	63.68			31.76
		<i>For Work In Restricted Working Space, Add</i>	14.26			
23 21 13 23-2374	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	77.52			37.82
		<i>For Work In Restricted Working Space, Add</i>	17.03			
23 21 13 23-2375	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Unions	98.51			46.97
		<i>For Work In Restricted Working Space, Add</i>	21.11			
23 21 13 23-2376	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	145.01			61.75
		<i>For Work In Restricted Working Space, Add</i>	27.78			
23 21 13 23-2377	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Unions	177.51			73.36
		<i>For Work In Restricted Working Space, Add</i>	32.99			
23 21 13 23-2378	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Unions	228.41			97.81
		<i>For Work In Restricted Working Space, Add</i>	43.98			
23 21 13 23-2379	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Unions	298.47			126.13
		<i>For Work In Restricted Working Space, Add</i>	56.72			
23 21 13 23-2380	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Unions	414.91			156.39
		<i>For Work In Restricted Working Space, Add</i>	70.33			
23 21 13 23-2381	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Unions	588.13			193.86
		<i>For Work In Restricted Working Space, Add</i>	87.19			
23 21 13 23-2382		Schedule 80 Threaded Polyvinyl Chloride (PVC) Unions <small>(23 21 13 23-22 48)</small>				
23 21 13 23-2383	EA	1/2", Scheduler 80, Threaded Polyvinyl Chloride (PVC) Union.....	33.44			19.54
23 21 13 23-2384	EA	3/4", Scheduler 80, Threaded Polyvinyl Chloride (PVC) Union.....	39.62			22.61
23 21 13 23-2385	EA	1", Scheduler 80, Threaded Polyvinyl Chloride (PVC) Union.....	47.73			26.65
23 21 13 23-2386	EA	1-1/4", Scheduler 80, Threaded Polyvinyl Chloride (PVC) Union.....	62.27			31.76
23 21 13 23-2387	EA	1-1/2", Scheduler 80, Threaded Polyvinyl Chloride (PVC) Union.....	74.90			37.82
23 21 13 23-2388	EA	2", Scheduler 80, Threaded Polyvinyl Chloride (PVC) Union.....	98.08			46.97
23 21 13 23-2389	EA	3", Scheduler 80, Threaded Polyvinyl Chloride (PVC) Union.....	206.76			91.04
23 21 13 23-2390	EA	4", Scheduler 80, Threaded Polyvinyl Chloride (PVC) Union.....	225.06			100.97
23 21 13 23-2391		Schedule 80 Polyvinyl Chloride (PVC) Caps <small>(23 21 13 23-22 48)</small>				
23 21 13 23-2392	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	17.27			9.50
		<i>For Work In Restricted Working Space, Add</i>	4.26			
		<i>For Threaded Fittings, Add</i>	2.13			
23 21 13 23-2393	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Caps	22.16			12.58
		<i>For Work In Restricted Working Space, Add</i>	5.68			
		<i>For Threaded Fittings, Add</i>	2.84			
23 21 13 23-2394	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Caps	29.21			15.66
		<i>For Work In Restricted Working Space, Add</i>	7.04			
		<i>For Threaded Fittings, Add</i>	3.52			
23 21 13 23-2395	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Caps	40.14			22.17
		<i>For Work In Restricted Working Space, Add</i>	9.96			
		<i>For Threaded Fittings, Add</i>	4.98			
23 21 13 23-2396	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	44.38			24.98
		<i>For Work In Restricted Working Space, Add</i>	11.23			
		<i>For Threaded Fittings, Add</i>	5.61			
23 21 13 23-2397	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Caps	57.96			31.76
		<i>For Work In Restricted Working Space, Add</i>	14.26			
		<i>For Threaded Fittings, Add</i>	7.13			
23 21 13 23-2398	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	91.76			46.97
		<i>For Work In Restricted Working Space, Add</i>	21.11			
		<i>For Threaded Fittings, Add</i>	10.55			
23 21 13 23-2399	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Caps	118.76			61.75
		<i>For Work In Restricted Working Space, Add</i>	27.78			
		<i>For Threaded Fittings, Add</i>	13.89			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2400 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Caps For Work In Restricted Working Space, Add For Threaded Fittings, Add	152.03 32.99 16.49	73.36
23 21 13 23-2401 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Caps For Work In Restricted Working Space, Add For Threaded Fittings, Add	230.19 37.70 18.85	83.83
23 21 13 23-2402 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Caps For Work In Restricted Working Space, Add For Threaded Fittings, Add	290.20 43.98 21.99	97.81
23 21 13 23-2403 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Caps For Work In Restricted Working Space, Add For Threaded Fittings, Add	421.56 47.14 23.57	104.84
23 21 13 23-2404 Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <small>(23 21 13 23-2248)</small>		
23 21 13 23-2405 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges For Work In Restricted Working Space, Add For Threaded Fittings, Add	32.94 7.04 3.52	15.66
23 21 13 23-2406 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges For Work In Restricted Working Space, Add For Threaded Fittings, Add	38.56 8.51 4.26	18.91
23 21 13 23-2407 EA 1" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges For Work In Restricted Working Space, Add For Threaded Fittings, Add	48.78 11.23 5.61	24.98
23 21 13 23-2408 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges For Work In Restricted Working Space, Add For Threaded Fittings, Add	59.22 14.26 7.13	31.76
23 21 13 23-2409 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges For Work In Restricted Working Space, Add For Threaded Fittings, Add	68.69 17.03 8.51	37.82
23 21 13 23-2410 EA 2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges For Work In Restricted Working Space, Add For Threaded Fittings, Add	86.24 21.11 10.55	46.97
23 21 13 23-2411 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges For Work In Restricted Working Space, Add For Threaded Fittings, Add	117.10 27.78 13.89	61.75
23 21 13 23-2412 EA 3" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges For Work In Restricted Working Space, Add For Threaded Fittings, Add	137.01 32.99 16.49	73.36
23 21 13 23-2413 EA 4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges For Work In Restricted Working Space, Add For Threaded Fittings, Add	180.87 43.98 21.99	97.81
23 21 13 23-2414 EA 6" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges For Work In Restricted Working Space, Add For Threaded Fittings, Add	242.96 56.72 28.36	126.13
23 21 13 23-2415 EA 8" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges For Work In Restricted Working Space, Add For Threaded Fittings, Add	356.00 70.33 35.16	156.39
23 21 13 23-2416 EA 10" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges For Work In Restricted Working Space, Add For Threaded Fittings, Add	564.64 87.19 43.60	193.86
23 21 13 23-2417 Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <small>(23 21 13 23-2085)</small>		
Note: In place pipe.		
23 21 13 23-2418 EA 1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... For Work In Restricted Working Space, Add	4.78 1.43	
23 21 13 23-2419 EA 3/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... For Work In Restricted Working Space, Add	5.16 1.55	
23 21 13 23-2420 EA 1", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... For Work In Restricted Working Space, Add	5.80 1.74	
23 21 13 23-2421 EA 1-1/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... For Work In Restricted Working Space, Add	6.10 1.83	
23 21 13 23-2422 EA 1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... For Work In Restricted Working Space, Add	6.45 1.94	
23 21 13 23-2423 EA 2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... For Work In Restricted Working Space, Add	7.10 2.13	
23 21 13 23-2424 EA 2-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... For Work In Restricted Working Space, Add	7.64 2.29	
23 21 13 23-2425 EA 3", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... For Work In Restricted Working Space, Add	9.03 2.71	
23 21 13 23-2426 EA 4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... For Work In Restricted Working Space, Add	12.18 3.65	
23 21 13 23-2427 EA 6", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... For Work In Restricted Working Space, Add	17.41 5.22	
23 21 13 23-2428 EA 8", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... For Work In Restricted Working Space, Add	23.22 6.97	
23 21 13 23-2429 EA 10", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... For Work In Restricted Working Space, Add	28.38 8.51	
23 21 13 23-2430 Polyethylene Pipe And Fittings <small>(23 21 13 23)</small>		
23 21 13 23-2431 Small Diameter Tubing <small>(23 21 13 23-2430)</small>		

23 Heating, Ventilating, And Air-Conditioning (HVAC)
23 20 HVAC Piping And Pumps
23 21 Hydronic Piping And Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2432			Tubing (23 21 13 23-2431)		
23 21 13 23-2433	LF		1/4" Polyethylene Tubing.....	2.73	
			<i>For Work In Restricted Working Space, Add</i>	0.80	
23 21 13 23-2434	LF		5/16" Polyethylene Tubing.....	2.83	
			<i>For Work In Restricted Working Space, Add</i>	0.81	
23 21 13 23-2435	LF		3/8" Polyethylene Tubing.....	2.93	
			<i>For Work In Restricted Working Space, Add</i>	0.83	
23 21 13 23-2436	LF		1/2" Polyethylene Tubing.....	3.11	
			<i>For Work In Restricted Working Space, Add</i>	0.90	
23 21 13 23-2437			Chrome Plated Pipe (23 21 13 23)		
23 21 13 23-2438			Chrome Plated Nipples (23 21 13 23-2437)		
23 21 13 23-2439			Close (23 21 13 23-2438)		
23 21 13 23-2440	EA		1/4" Diameter Chrome Plated Nipple, Close.....	15.84	7.64
23 21 13 23-2441	EA		3/8" Diameter Chrome Plated Nipple, Close.....	15.55	8.32
23 21 13 23-2442	EA		1/2" Diameter Chrome Plated Nipple, Close.....	19.02	9.55
23 21 13 23-2443	EA		3/4" Diameter Chrome Plated Nipple, Close.....	24.77	12.14
23 21 13 23-2444	EA		1" Diameter Chrome Plated Nipple, Close.....	33.07	15.96
23 21 13 23-2445	EA		1-1/4" Diameter Chrome Plated Nipple, Close.....	46.73	22.27
23 21 13 23-2446	EA		1-1/2" Diameter Chrome Plated Nipple, Close.....	56.59	26.09
23 21 13 23-2447	EA		2" Diameter Chrome Plated Nipple, Close.....	72.47	32.49
23 21 13 23-2448			1-1/2" Nipples (23 21 13 23-2438)		
23 21 13 23-2449	EA		1/4" Diameter Chrome Plated Nipple, 1-1/2" Length.....	16.83	7.94
23 21 13 23-2450	EA		3/8" Diameter Chrome Plated Nipple, 1-1/2" Length.....	16.35	8.60
23 21 13 23-2451	EA		1/2" Diameter Chrome Plated Nipple, 1-1/2" Length.....	19.52	9.85
23 21 13 23-2452	EA		3/4" Diameter Chrome Plated Nipple, 1-1/2" Length.....	25.61	12.42
23 21 13 23-2453			2" Nipples (23 21 13 23-2438)		
23 21 13 23-2454	EA		1/4" Diameter Chrome Plated Nipple, 2" Length.....	17.52	8.32
23 21 13 23-2455	EA		3/8" Diameter Chrome Plated Nipple, 2" Length.....	16.92	8.89
23 21 13 23-2456	EA		1/2" Diameter Chrome Plated Nipple, 2" Length.....	20.85	10.23
23 21 13 23-2457	EA		3/4" Diameter Chrome Plated Nipple, 2" Length.....	26.77	12.71
23 21 13 23-2458	EA		1" Diameter Chrome Plated Nipple, 2" Length.....	34.86	16.53
23 21 13 23-2459	EA		1-1/4" Diameter Chrome Plated Nipple, 2" Length.....	49.50	22.93
23 21 13 23-2460	EA		1-1/2" Diameter Chrome Plated Nipple, 2" Length.....	59.76	26.75
23 21 13 23-2461			2-1/2" Nipples (23 21 13 23-2438)		
23 21 13 23-2462	EA		1/4" Diameter Chrome Plated Nipple, 2-1/2" Length.....	18.46	8.60
23 21 13 23-2463	EA		3/8" Diameter Chrome Plated Nipple, 2-1/2" Length.....	17.54	9.27
23 21 13 23-2464	EA		1/2" Diameter Chrome Plated Nipple, 2-1/2" Length.....	21.71	10.51
23 21 13 23-2465	EA		3/4" Diameter Chrome Plated Nipple, 2-1/2" Length.....	27.41	13.10
23 21 13 23-2466	EA		1" Diameter Chrome Plated Nipple, 2-1/2" Length.....	35.80	16.92
23 21 13 23-2467	EA		1-1/4" Diameter Chrome Plated Nipple, 2-1/2" Length.....	52.05	23.22
23 21 13 23-2468	EA		1-1/2" Diameter Chrome Plated Nipple, 2-1/2" Length.....	63.12	27.05
23 21 13 23-2469	EA		2" Diameter Chrome Plated Nipple, 2-1/2" Length.....	79.90	33.44
23 21 13 23-2470			3" Nipples (23 21 13 23-2438)		
23 21 13 23-2471	EA		1/4" Diameter Chrome Plated Nipple, 3" Length.....	19.21	8.89
23 21 13 23-2472	EA		3/8" Diameter Chrome Plated Nipple, 3" Length.....	18.49	9.55
23 21 13 23-2473	EA		1/2" Diameter Chrome Plated Nipple, 3" Length.....	21.35	10.23
23 21 13 23-2474	EA		3/4" Diameter Chrome Plated Nipple, 3" Length.....	29.30	13.38
23 21 13 23-2475	EA		1" Diameter Chrome Plated Nipple, 3" Length.....	39.53	17.20
23 21 13 23-2476	EA		1-1/4" Diameter Chrome Plated Nipple, 3" Length.....	54.84	23.61
23 21 13 23-2477	EA		1-1/2" Diameter Chrome Plated Nipple, 3" Length.....	70.89	27.43
23 21 13 23-2478	EA		2" Diameter Chrome Plated Nipple, 3" Length.....	86.00	33.82
23 21 13 23-2479			3-1/2" Nipples (23 21 13 23-2438)		
23 21 13 23-2480	EA		1/4" Diameter Chrome Plated Nipple, 3-1/2" Length.....	20.06	9.27
23 21 13 23-2481	EA		3/8" Diameter Chrome Plated Nipple, 3-1/2" Length.....	20.03	9.85
23 21 13 23-2482	EA		1/2" Diameter Chrome Plated Nipple, 3-1/2" Length.....	23.49	11.18
23 21 13 23-2483	EA		3/4" Diameter Chrome Plated Nipple, 3-1/2" Length.....	32.06	13.67
23 21 13 23-2484	EA		1" Diameter Chrome Plated Nipple, 3-1/2" Length.....	41.05	17.49
23 21 13 23-2485	EA		1-1/4" Diameter Chrome Plated Nipple, 3-1/2" Length.....	60.16	23.89
23 21 13 23-2486	EA		1-1/2" Diameter Chrome Plated Nipple, 3-1/2" Length.....	73.30	27.71
23 21 13 23-2487	EA		2" Diameter Chrome Plated Nipple, 3-1/2" Length.....	90.90	34.12
23 21 13 23-2488			4" Nipples (23 21 13 23-2438)		
23 21 13 23-2489	EA		1/4" Diameter Chrome Plated Nipple, 4" Length.....	20.89	9.55
23 21 13 23-2490	EA		3/8" Diameter Chrome Plated Nipple, 4" Length.....	20.54	10.23
23 21 13 23-2491	EA		1/2" Diameter Chrome Plated Nipple, 4" Length.....	23.54	10.80



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 21	13 23-2492	EA	3/4" Diameter Chrome Plated Nipple, 4" Length.....	33.21	14.05
	23 21	13 23-2493	EA	1" Diameter Chrome Plated Nipple, 4" Length.....	42.50	17.87
	23 21	13 23-2494	EA	1-1/4" Diameter Chrome Plated Nipple, 4" Length.....	64.25	24.18
	23 21	13 23-2495	EA	1-1/2" Diameter Chrome Plated Nipple, 4" Length.....	78.13	28.00
	23 21	13 23-2496	EA	2" Diameter Chrome Plated Nipple, 4" Length.....	96.83	34.40
23 21	13 23-2497			4-1/2" Nipples <small>(23 21 13 23-2438)</small>		
	23 21	13 23-2498	EA	1/4" Diameter Chrome Plated Nipple, 4-1/2" Length.....	21.64	9.85
	23 21	13 23-2499	EA	3/8" Diameter Chrome Plated Nipple, 4-1/2" Length.....	22.09	10.51
	23 21	13 23-2500	EA	1/2" Diameter Chrome Plated Nipple, 4-1/2" Length.....	25.78	11.76
	23 21	13 23-2501	EA	3/4" Diameter Chrome Plated Nipple, 4-1/2" Length.....	34.52	14.33
	23 21	13 23-2502	EA	1" Diameter Chrome Plated Nipple, 4-1/2" Length.....	47.21	18.15
	23 21	13 23-2503	EA	1-1/4" Diameter Chrome Plated Nipple, 4-1/2" Length.....	68.18	24.56
	23 21	13 23-2504	EA	1-1/2" Diameter Chrome Plated Nipple, 4-1/2" Length.....	80.34	28.38
	23 21	13 23-2505	EA	2" Diameter Chrome Plated Nipple, 4-1/2" Length.....	102.30	34.78
23 21	13 23-2506			5" Nipples <small>(23 21 13 23-2438)</small>		
	23 21	13 23-2507	EA	1/4" Diameter Chrome Plated Nipple, 5" Length.....	23.94	10.23
	23 21	13 23-2508	EA	3/8" Diameter Chrome Plated Nipple, 5" Length.....	23.09	10.80
	23 21	13 23-2509	EA	1/2" Diameter Chrome Plated Nipple, 5" Length.....	26.67	12.14
	23 21	13 23-2510	EA	3/4" Diameter Chrome Plated Nipple, 5" Length.....	35.78	14.62
	23 21	13 23-2511	EA	1" Diameter Chrome Plated Nipple, 5" Length.....	50.12	18.45
	23 21	13 23-2512	EA	1-1/4" Diameter Chrome Plated Nipple, 5" Length.....	71.76	24.84
	23 21	13 23-2513	EA	1-1/2" Diameter Chrome Plated Nipple, 5" Length.....	85.19	28.66
	23 21	13 23-2514	EA	2" Diameter Chrome Plated Nipple, 5" Length.....	105.88	35.07
23 21	13 23-2515			5-1/2" Nipples <small>(23 21 13 23-2438)</small>		
	23 21	13 23-2516	EA	1/4" Diameter Chrome Plated Nipple, 5-1/2" Length.....	24.72	10.51
	23 21	13 23-2517	EA	3/8" Diameter Chrome Plated Nipple, 5-1/2" Length.....	23.90	11.18
	23 21	13 23-2518	EA	1/2" Diameter Chrome Plated Nipple, 5-1/2" Length.....	28.96	12.42
	23 21	13 23-2519	EA	3/4" Diameter Chrome Plated Nipple, 5-1/2" Length.....	37.04	15.01
	23 21	13 23-2520	EA	1" Diameter Chrome Plated Nipple, 5-1/2" Length.....	51.70	18.83
	23 21	13 23-2521	EA	1-1/4" Diameter Chrome Plated Nipple, 5-1/2" Length.....	76.07	25.13
	23 21	13 23-2522	EA	1-1/2" Diameter Chrome Plated Nipple, 5-1/2" Length.....	89.07	28.96
	23 21	13 23-2523	EA	2" Diameter Chrome Plated Nipple, 5-1/2" Length.....	110.41	35.35
23 21	13 23-2524			6" Nipples <small>(23 21 13 23-2438)</small>		
	23 21	13 23-2525	EA	1/4" Diameter Chrome Plated Nipple, 6" Length.....	25.61	10.80
	23 21	13 23-2526	EA	3/8" Diameter Chrome Plated Nipple, 6" Length.....	24.42	11.47
	23 21	13 23-2527	EA	1/2" Diameter Chrome Plated Nipple, 6" Length.....	29.80	12.71
	23 21	13 23-2528	EA	3/4" Diameter Chrome Plated Nipple, 6" Length.....	38.09	15.29
	23 21	13 23-2529	EA	1" Diameter Chrome Plated Nipple, 6" Length.....	56.29	19.11
	23 21	13 23-2530	EA	1-1/4" Diameter Chrome Plated Nipple, 6" Length.....	78.76	25.52
	23 21	13 23-2531	EA	1-1/2" Diameter Chrome Plated Nipple, 6" Length.....	95.00	29.34
	23 21	13 23-2532	EA	2" Diameter Chrome Plated Nipple, 6" Length.....	114.56	35.74
23 21	13 23-2533			8" Nipples <small>(23 21 13 23-2438)</small>		
	23 21	13 23-2534	EA	3/8" Diameter Chrome Plated Nipple, 8" Length.....	28.61	12.14
	23 21	13 23-2535	EA	1/2" Diameter Chrome Plated Nipple, 8" Length.....	40.78	13.38
	23 21	13 23-2536	EA	3/4" Diameter Chrome Plated Nipple, 8" Length.....	49.48	15.96
	23 21	13 23-2537	EA	1" Diameter Chrome Plated Nipple, 8" Length.....	65.30	19.78
	23 21	13 23-2538	EA	1-1/4" Diameter Chrome Plated Nipple, 8" Length.....	92.95	26.09
	23 21	13 23-2539	EA	1-1/2" Diameter Chrome Plated Nipple, 8" Length.....	113.47	29.91
	23 21	13 23-2540	EA	2" Diameter Chrome Plated Nipple, 8" Length.....	139.61	36.31
23 21	13 23-2541			10" Nipples <small>(23 21 13 23-2438)</small>		
	23 21	13 23-2542	EA	3/8" Diameter Chrome Plated Nipple, 10" Length.....	32.39	12.14
	23 21	13 23-2543	EA	1/2" Diameter Chrome Plated Nipple, 10" Length.....	45.55	13.38
	23 21	13 23-2544	EA	3/4" Diameter Chrome Plated Nipple, 10" Length.....	55.00	15.96
	23 21	13 23-2545	EA	1" Diameter Chrome Plated Nipple, 10" Length.....	73.65	19.78
	23 21	13 23-2546	EA	1-1/4" Diameter Chrome Plated Nipple, 10" Length.....	110.83	26.09
	23 21	13 23-2547	EA	1-1/2" Diameter Chrome Plated Nipple, 10" Length.....	127.08	29.91
	23 21	13 23-2548	EA	2" Diameter Chrome Plated Nipple, 10" Length.....	161.37	36.31
23 21	13 23-2549			12" Nipples <small>(23 21 13 23-2438)</small>		
	23 21	13 23-2550	EA	3/8" Diameter Chrome Plated Nipple, 12" Length.....	36.09	13.38
	23 21	13 23-2551	EA	1/2" Diameter Chrome Plated Nipple, 12" Length.....	47.69	14.05
	23 21	13 23-2552	EA	3/4" Diameter Chrome Plated Nipple, 12" Length.....	60.40	16.53
	23 21	13 23-2553	EA	1" Diameter Chrome Plated Nipple, 12" Length.....	85.74	21.02
	23 21	13 23-2554	EA	1-1/4" Diameter Chrome Plated Nipple, 12" Length.....	123.71	27.43
	23 21	13 23-2555	EA	2" Diameter Chrome Plated Nipple, 12" Length.....	180.75	37.65

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 21 13 23-2556		18" Nipples <small>(23 21 13 23-2438)</small>			
23 21 13 23-2557	EA	3/8" Diameter Chrome Plated Nipple, 18" Length.....	45.03		14.05
23 21 13 23-2558		24" Nipples <small>(23 21 13 23-2438)</small>			
23 21 13 23-2559	EA	3/8" Diameter Chrome Plated Nipple, 24" Length.....	53.59		14.62
23 21 13 23-2560		30" Nipples <small>(23 21 13 23-2438)</small>			
23 21 13 23-2561	EA	3/8" Diameter Chrome Plated Nipple, 30" Length.....	59.13		15.29
23 21 13 23-2562		36" Nipples <small>(23 21 13 23-2438)</small>			
23 21 13 23-2563	EA	3/8" Diameter Chrome Plated Nipple, 36" Length.....	64.67		15.96
23 21 13 23-2564		Chrome Plated Fittings <small>(23 21 13 23-2437)</small>			
23 21 13 23-2565		Chrome Plated 90 Degree Elbows <small>(23 21 13 23-2564)</small>			
23 21 13 23-2566	EA	1/4" 90 Degree Elbow, Chrome Plated.....	19.74		8.89
23 21 13 23-2567	EA	3/8" 90 Degree Elbow, Chrome Plated.....	20.28		9.55
23 21 13 23-2568	EA	1/2" 90 Degree Elbow, Chrome Plated.....	22.65		10.23
23 21 13 23-2569	EA	3/4" 90 Degree Elbow, Chrome Plated.....	29.02		13.38
23 21 13 23-2570	EA	1" 90 Degree Elbow, Chrome Plated.....	39.09		17.20
23 21 13 23-2571	EA	1-1/4" 90 Degree Elbow, Chrome Plated.....	59.18		23.61
23 21 13 23-2572	EA	1-1/2" 90 Degree Elbow, Chrome Plated.....	70.80		27.43
23 21 13 23-2573	EA	2" 90 Degree Elbow, Chrome Plated.....	95.70		33.82
23 21 13 23-2574		Chrome Plated Street 90 Degree Elbows <small>(23 21 13 23-2564)</small>			
23 21 13 23-2575	EA	1/4" Street 90 Degree Elbow, Chrome Plated.....	22.41		8.89
23 21 13 23-2576	EA	3/8" Street 90 Degree Elbow, Chrome Plated.....	23.21		9.55
23 21 13 23-2577	EA	1/2" Street 90 Degree Elbow, Chrome Plated.....	24.68		10.23
23 21 13 23-2578	EA	3/4" Street 90 Degree Elbow, Chrome Plated.....	32.02		13.38
23 21 13 23-2579	EA	1" Street 90 Degree Elbow, Chrome Plated.....	44.63		17.20
23 21 13 23-2580	EA	1-1/4" Street 90 Degree Elbow, Chrome Plated.....	64.86		23.61
23 21 13 23-2581	EA	1-1/2" Street 90 Degree Elbow, Chrome Plated.....	78.74		27.43
23 21 13 23-2582	EA	2" Street 90 Degree Elbow, Chrome Plated.....	114.39		33.82
23 21 13 23-2583		Chrome Plated 45 Degree Elbows <small>(23 21 13 23-2564)</small>			
23 21 13 23-2584	EA	1/4" 45 Degree Elbow, Chrome Plated.....	20.33		8.89
23 21 13 23-2585	EA	3/8" 45 Degree Elbow, Chrome Plated.....	21.13		9.55
23 21 13 23-2586	EA	1/2" 45 Degree Elbow, Chrome Plated.....	23.25		10.23
23 21 13 23-2587	EA	3/4" 45 Degree Elbow, Chrome Plated.....	31.31		13.38
23 21 13 23-2588	EA	1" 45 Degree Elbow, Chrome Plated.....	41.66		17.20
23 21 13 23-2589	EA	1-1/4" 45 Degree Elbow, Chrome Plated.....	62.27		23.61
23 21 13 23-2590	EA	1-1/2" 45 Degree Elbow, Chrome Plated.....	74.91		27.43
23 21 13 23-2591	EA	2" 45 Degree Elbow, Chrome Plated.....	107.00		33.82
23 21 13 23-2592		Chrome Plated Street 45 Degree Elbows <small>(23 21 13 23-2564)</small>			
23 21 13 23-2593	EA	1/2" Street 45 Degree Elbow, Chrome Plated.....	26.91		10.23
23 21 13 23-2594		Chrome Plated Couplings <small>(23 21 13 23-2564)</small>			
23 21 13 23-2595	EA	1/4" Coupling, Chrome Plated.....	19.38		8.89
23 21 13 23-2596	EA	3/8" Coupling, Chrome Plated.....	20.33		9.55
23 21 13 23-2597	EA	1/2" Coupling, Chrome Plated.....	22.80		10.23
23 21 13 23-2598	EA	3/4" Coupling, Chrome Plated.....	29.08		13.38
23 21 13 23-2599	EA	1" Coupling, Chrome Plated.....	37.83		17.20
23 21 13 23-2600	EA	1-1/4" Coupling, Chrome Plated.....	54.58		23.61
23 21 13 23-2601	EA	1-1/2" Coupling, Chrome Plated.....	66.94		27.43
23 21 13 23-2602	EA	2" Coupling, Chrome Plated.....	90.98		33.82
23 21 13 23-2603		Chrome Plated Unions <small>(23 21 13 23-2564)</small>			
23 21 13 23-2604	EA	1/4" Union, Chrome Plated.....	29.78		10.23
23 21 13 23-2605	EA	3/8" Union, Chrome Plated.....	30.74		10.80
23 21 13 23-2606	EA	1/2" Union, Chrome Plated.....	36.84		12.14
23 21 13 23-2607	EA	3/4" Union, Chrome Plated.....	45.99		15.96
23 21 13 23-2608	EA	1" Union, Chrome Plated.....	58.24		20.36
23 21 13 23-2609	EA	1-1/4" Union, Chrome Plated.....	92.60		27.43
23 21 13 23-2610	EA	1-1/2" Union, Chrome Plated.....	114.76		32.49
23 21 13 23-2611	EA	2" Union, Chrome Plated.....	148.82		39.56
23 21 13 23-2612		Chrome Plated Caps <small>(23 21 13 23-2564)</small>			
23 21 13 23-2613	EA	1/4" Cap, Chrome Plated.....	12.54		4.50



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2614 EA 3/8" Cap, Chrome Plated.....	13.01	4.78
23 21 13 23-2615 EA 1/2" Cap, Chrome Plated.....	14.74	5.07
23 21 13 23-2616 EA 3/4" Cap, Chrome Plated.....	18.50	6.69
23 21 13 23-2617 EA 1" Cap, Chrome Plated.....	22.19	8.60
23 21 13 23-2618 EA 1-1/4" Cap, Chrome Plated.....	32.47	11.76
23 21 13 23-2619 EA 1-1/2" Cap, Chrome Plated.....	42.19	13.67
23 21 13 23-2620 EA 2" Cap, Chrome Plated.....	60.99	17.87
23 21 13 23-2621 Chrome Plated Plugs (23 21 13 23-2664)		
23 21 13 23-2622 EA 1/4" Plug, Chrome Plated.....	10.50	4.50
23 21 13 23-2623 EA 3/8" Plug, Chrome Plated.....	10.97	4.78
23 21 13 23-2624 EA 1/2" Plug, Chrome Plated.....	12.60	5.07
23 21 13 23-2625 EA 3/4" Plug, Chrome Plated.....	16.98	6.69
23 21 13 23-2626 EA 1" Plug, Chrome Plated.....	21.03	8.60
23 21 13 23-2627 EA 1-1/4" Plug, Chrome Plated.....	28.46	11.76
23 21 13 23-2628 EA 1-1/2" Plug, Chrome Plated.....	34.85	13.67
23 21 13 23-2629 EA 2" Plug, Chrome Plated.....	48.21	17.87
23 21 13 23-2630 Chrome Plated Tees (23 21 13 23-2664)		
23 21 13 23-2631 EA 1/4" Tee, Chrome Plated.....	27.74	13.38
23 21 13 23-2632 EA 3/8" Tee, Chrome Plated.....	29.65	14.62
23 21 13 23-2633 EA 1/2" Tee, Chrome Plated.....	32.92	15.96
23 21 13 23-2634 EA 3/4" Tee, Chrome Plated.....	40.97	19.78
23 21 13 23-2635 EA 1" Tee, Chrome Plated.....	57.42	25.52
23 21 13 23-2636 EA 1-1/4" Tee, Chrome Plated.....	79.13	35.07
23 21 13 23-2637 EA 1-1/2" Tee, Chrome Plated.....	100.00	40.80
23 21 13 23-2638 EA 2" Tee, Chrome Plated.....	135.39	50.36
23 21 13 23-2639 Chrome Plated Reducing 90 Degree Elbows (23 21 13 23-2664)		
23 21 13 23-2640 EA 1/2" x 3/8" Reducing 90 Degree Elbow, Chrome Plated.....	31.56	15.96
23 21 13 23-2641 EA 3/4" x 1/2" Reducing 90 Degree Elbow, Chrome Plated.....	37.29	19.78
23 21 13 23-2642 Chrome Plated Bell Reducers (23 21 13 23-2664)		
23 21 13 23-2643 EA 1/2" x 3/8" Bell Reducer, Chrome Plated.....	34.02	15.96
23 21 13 23-2644 EA 3/4" x 1/2" Bell Reducer, Chrome Plated.....	41.53	19.78
23 21 13 23-2645 EA 1" x 1/2" Bell Reducer, Chrome Plated.....	52.89	25.52
23 21 13 23-2646 Chrome Plated Reducing Tees (23 21 13 23-2664)		
23 21 13 23-2647 EA 3/4" x 1/2" Reducing Tee, Chrome Plated.....	44.65	19.78
23 21 13 23-2648 Chrome Plated Bushings (23 21 13 23-2664)		
23 21 13 23-2649 EA 3/8" x 1/4" Bushing, Chrome Plated.....	10.44	4.50
23 21 13 23-2650 EA 1/2" x 1/4" Bushing, Chrome Plated.....	11.23	4.78
23 21 13 23-2651 EA 1/2" x 3/8" Bushing, Chrome Plated.....	11.71	5.07
23 21 13 23-2652 EA 3/4" x 1/2" Bushing, Chrome Plated.....	14.96	6.69
23 21 13 23-2653 EA 1" x 3/4" Bushing, Chrome Plated.....	21.42	8.60
23 21 13 23-2654 EA 1-1/4" x 1" Bushing, Chrome Plated.....	31.10	11.76
23 21 13 23-2655 Aluminum Tubing Assemblies (23 21 13 23)		
Note: ASTM B210 (Tubing), ASTM B26 (Fittings). Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2656 LF 1/8" Inside Diameter Aluminum Pipe/Tubing Assembly.....	8.02	3.35
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2657 LF 3/16" Inside Diameter Aluminum Pipe/Tubing Assembly.....	9.14	3.82
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2658 LF 1/4" Inside Diameter Aluminum Pipe/Tubing Assembly.....	10.20	4.30
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2659 LF 5/16" Inside Diameter Aluminum Pipe/Tubing Assembly.....	11.18	4.78
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2660 LF 3/8" Inside Diameter Aluminum Pipe/Tubing Assembly.....	12.38	5.26
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2661 LF 1/2" Inside Diameter Aluminum Pipe/Tubing Assembly.....	14.07	5.73
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2662 LF 5/8" Inside Diameter Aluminum Pipe/Tubing Assembly.....	16.42	6.60
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2663	LF		3/4" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	19.89	7.48
23 21 13 23-2664	LF		7/8" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	22.91	8.35
23 21 13 23-2665	LF		1" Inside Diameter Aluminum Pipe/Tubing Assembly	26.87	8.79
23 21 16 Hydronic Piping Specialties (23 21)					
23 21 16 00-0001 Vent Valves (23 21 16)					
23 21 16 00-0002	EA		1/8", 1.5 PSIG Operating Pressure, Non Vacuum Adjustable Angle Radiator Steam Vent Valve (Hoffman 1A)	53.58	13.89
23 21 16 00-0003	EA		1/2" x 3/4", 35 PSIG Operating Pressure, Straight Steam Unit Heater Air Vent Valve (Hoffman 74)	119.05	14.93
23 21 16 00-0004	EA		1/2" x 3/4", 3 PSIG Operating Pressure, Non Vacuum Main Steam Air Vent Valve (Hoffman 75)	113.87	14.93
23 21 16 00-0005	EA		1/2" x 3/4", 10 PSIG Operating Pressure, Non Vacuum Straight Non-Vacuum Main Steam Air Vent Valve (Hoffman 75H)	117.49	14.93
23 21 16 00-0006	EA		3/4", 150 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 78)	149.18	14.93
23 21 16 00-0007	EA		1/2" x 3/4", 75 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 79)	112.45	14.93
23 21 16 00-0008 Threaded Inlet, Drip-Pan Elbow (23 21 16)					
23 21 16 00-0009 Cast Iron, Threaded Inlet, Drip-Pan Elbow (23 21 16 00-0008)					
23 21 16 00-0010	EA		2-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	198.90 72.51	23.29
23 21 16 00-0011	EA		3" Cast Iron, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	225.79 77.84	27.61
23 21 16 00-0012	EA		3-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	283.19 105.01	31.92
23 21 16 00-0013	EA		4" Cast Iron, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	417.93 184.76	36.23
23 21 16 00-0014	EA		5" Cast Iron, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	472.91 204.25	43.14
23 21 16 00-0015	EA		6" Cast Iron, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	654.61 298.48	54.35
23 21 16 00-0016	EA		8" Cast Iron, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	1,455.58 794.25	71.61
23 21 16 00-0017 Cast Steel, Threaded Inlet, Drip-Pan Elbow (23 21 16 00-0008)					
23 21 16 00-0018	EA		2-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	383.98 198.36	23.29
23 21 16 00-0019	EA		3" Cast Steel, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	464.79 240.36	27.61
23 21 16 00-0020	EA		3-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	655.55 358.22	31.92
23 21 16 00-0021	EA		4" Cast Steel, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	673.01 358.22	36.23
23 21 16 00-0022	EA		5" Cast Steel, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	958.52 534.47	43.14
23 21 16 00-0023	EA		6" Cast Steel, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	1,001.65 534.47	54.35
23 21 16 00-0024	EA		8" Cast Steel, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	1,637.28 917.81	71.61
23 21 16 00-0025 Y-Type Strainers (23 21 16)					
23 21 16 00-0026 Screwed Ends, 250 LB, Iron Body, Y-Type Strainers (23 21 16 00-0025)					
23 21 16 00-0027	EA		1/4" Or 3/8" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	69.30 19.83 8.89	10.37
23 21 16 00-0028	EA		1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	69.76 19.83 9.03	10.56
23 21 16 00-0029	EA		3/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	88.09 23.67 12.23	14.26
23 21 16 00-0030	EA		1" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	112.58 31.99 14.58	17.04
23 21 16 00-0031	EA		1-1/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	147.84 43.82 18.06	21.07
23 21 16 00-0032	EA		1-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	170.38 52.78 19.45	22.69
23 21 16 00-0033	EA		2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	236.56 81.24 22.22	25.93
23 21 16 00-0034	EA		2-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	457.87 182.63 27.78	32.41



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0035 EA 3" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	592.96 238.60 34.73	40.56
23 21 16 00-0036 Flanged, 125 LB, Iron Body , Y-Type Strainers (23 21 16 00-0025)		
23 21 16 00-0037 EA 1-1/2" Flanged, 125 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	215.51 46.83 36.56	97.24
23 21 16 00-0038 EA 2" Flanged, 125 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	255.71 50.68 46.31	123.44
23 21 16 00-0039 EA 3" Flanged, 125 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	438.67 120.82 59.11	157.44
23 21 16 00-0040 EA 4" Flanged, 125 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	604.94 137.10 99.22	263.93
23 21 16 00-0041 EA 5" Flanged, 125 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	634.47 153.39 98.31	262.56
23 21 16 00-0042 EA 6" Flanged, 125 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	746.97 190.50 109.79	291.74
23 21 16 00-0043 EA 8" Flanged, 125 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,213.43 375.18 138.92	372.77
23 21 16 00-0044 EA 10" Flanged, 125 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,239.69 836.22 170.18	453.81
23 21 16 00-0045 EA 12" Flanged, 125 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,549.33 869.48 243.11	405.18
23 21 16 00-0046 Screwed Ends, 150 LB, Bronze Body, Y-Type Strainers (23 21 16 00-0025) Note: With screwed cap (4" size has bolted cap).		
23 21 16 00-0047 EA 1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	51.64 36.62 9.03	10.56
23 21 16 00-0048 EA 3/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	68.75 47.60 12.23	14.26
23 21 16 00-0049 EA 1" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	83.88 59.96 14.58	17.04
23 21 16 00-0050 EA 1-1/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	104.36 75.07 18.06	21.07
23 21 16 00-0051 EA 1-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	122.18 97.50 19.45	22.69
23 21 16 00-0052 EA 2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	167.24 158.37 22.22	25.93
23 21 16 00-0053 EA 2-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	246.35 261.36 27.78	32.41
23 21 16 00-0054 EA 3" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	434.51 541.88 34.73	40.56
23 21 16 00-0055 EA 4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	743.85 1,028.40 41.67	48.61
23 21 16 00-0056 Flanged, 150 LB, Bronze Body, Y-Type Strainers (23 21 16 00-0025) Note: With bolted cap.		
23 21 16 00-0057 EA 2" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	421.92 160.54 46.31	123.44
23 21 16 00-0058 EA 2-1/2" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	440.99 163.57 50.51	134.28
23 21 16 00-0059 EA 3" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	509.21 187.30 59.11	157.44
23 21 16 00-0060 EA 4" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,089.26 455.11 99.22	263.93
23 21 16 00-0061 EA 6" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,515.76 689.87 109.79	291.74

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 20 HVAC Piping And Pumps

23 21 Hydronic Piping And Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0062	EA		8" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,425.27 1,177.32 138.92	372.77
23 21 16 00-0063	EA		10" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	7,609.85 4,225.55 170.18	453.81
23 21 16 00-0064			Cast Iron Body, Suction Diffusers <small>(23 21 16)</small> Note: 175 PSI, steel inlet vanes, steel orifice cylinder and 16 mesh bronze startup strainer.		
23 21 16 00-0065	EA		2" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	409.14 17.86	36.49
23 21 16 00-0066	EA		2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	429.72 19.84	40.47
23 21 16 00-0067	EA		2-1/2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	436.57 20.85	42.51
23 21 16 00-0068	EA		2-1/2" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	825.62 50.51	134.28
23 21 16 00-0069	EA		3" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	451.27 24.21	49.45
23 21 16 00-0070	EA		3" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	510.70 24.21	49.45
23 21 16 00-0071	EA		3" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	864.42 54.81	146.17
23 21 16 00-0072	EA		3" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	882.25 59.11	157.44
23 21 16 00-0073	EA		4" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	1,071.46 79.17	211.11
23 21 16 00-0074	EA		4" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	1,260.67 99.22	263.93
23 21 16 00-0075	EA		6" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	1,439.42 98.31	262.16
23 21 16 00-0076	EA		6" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	1,739.89 109.79	291.74
23 21 16 00-0077	EA		8" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	1,966.33 138.92	372.77
23 21 16 00-0078	EA		8" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	3,046.58 138.92	372.77
23 21 16 00-0079	EA		10" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	3,479.39 170.18	453.81
23 21 16 00-0080	EA		10" x 10" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	4,070.21 170.18	453.81
23 21 16 00-0081			Duplex Strainers <small>(23 21 16)</small>		
23 21 16 00-0082			Iron Body, Duplex Strainers <small>(23 21 16 00-0081)</small>		
23 21 16 00-0083			Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers <small>(23 21 16 00-0082)</small> Note: With brass or stainless steel basket.		
23 21 16 00-0084	EA		3/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	595.40 13.85	23.05
23 21 16 00-0085	EA		1" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	665.01 15.85	26.40
23 21 16 00-0086	EA		1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	900.19 18.60	31.02
23 21 16 00-0087	EA		1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,131.77 20.28	33.80
23 21 16 00-0088	EA		2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,515.89 24.81	41.21
23 21 16 00-0089	EA		2-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,907.77 31.66	52.79
23 21 16 00-0090			Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers <small>(23 21 16 00-0082)</small> Note: With brass or stainless steel basket.		
23 21 16 00-0091	EA		2" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,071.00 46.31	123.44
23 21 16 00-0092	EA		2-1/2" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,142.25 50.51	134.28
23 21 16 00-0093	EA		3" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,743.04 59.11	157.44
23 21 16 00-0094	EA		4" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	4,294.36 86.83	230.96
23 21 16 00-0095	EA		6" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	8,375.87 109.79	291.74
23 21 16 00-0096	EA		8" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	15,910.71 138.92	372.77
23 21 16 00-0097	EA		10" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	21,965.11 170.18	453.81
23 21 16 00-0098	EA		12" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	24,945.42 343.38	572.12
23 21 16 00-0099	EA		14" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	29,645.98 243.11	648.30



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0100 EA 16" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	37,050.35 267.43	713.13
23 21 16 00-0101 Bronze Body, Duplex Strainers (23 21 16 00-0081)		
23 21 16 00-0102 Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainers (23 21 16 00-0101) Note: With brass or stainless steel basket.		
23 21 16 00-0103 EA 3/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,104.60 13.85	23.16
23 21 16 00-0104 EA 1" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,225.71 15.85	26.40
23 21 16 00-0105 EA 1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,792.72 18.60	31.02
23 21 16 00-0106 EA 1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	2,356.14 20.28	33.80
23 21 16 00-0107 EA 2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	3,043.49 24.81	41.21
23 21 16 00-0108 EA 2-1/2" Screwed, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	3,738.60 31.66	52.79
23 21 16 00-0109 Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainers (23 21 16 00-0101) Note: With brass or stainless steel basket.		
23 21 16 00-0110 EA 2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	4,273.72 46.31	123.44
23 21 16 00-0111 EA 2-1/2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	4,402.18 50.51	134.28
23 21 16 00-0112 EA 3" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	6,032.82 59.11	157.44
23 21 16 00-0113 EA 4" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	9,500.79 86.83	230.96
23 21 16 00-0114 EA 6" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	20,619.56 109.79	291.74
23 21 16 00-0115 Cast Steel Body, Duplex Strainers (23 21 16 00-0081)		
23 21 16 00-0116 Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers (23 21 16 00-0115) Note: With brass or stainless steel basket.		
23 21 16 00-0117 EA 1" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,718.75 15.85	26.40
23 21 16 00-0118 EA 1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	2,116.64 18.60	31.02
23 21 16 00-0119 EA 1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	2,510.96 20.28	33.80
23 21 16 00-0120 EA 2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	4,247.50 24.81	41.21
23 21 16 00-0121 Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers (23 21 16 00-0115) Note: With brass or stainless steel basket.		
23 21 16 00-0122 EA 2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	4,346.92 46.31	123.44
23 21 16 00-0123 EA 2-1/2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	4,777.43 50.51	134.28
23 21 16 00-0124 EA 3" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	6,277.66 59.11	157.44
23 21 16 00-0125 EA 4" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	9,202.11 86.83	230.96
23 21 16 00-0126 EA 6" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	15,692.47 109.79	291.74
23 21 16 00-0127 EA 8" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	30,560.74 138.92	372.77
23 21 16 00-0128 Stainless Steel Body, Duplex Strainers (23 21 16 00-0081)		
23 21 16 00-0129 Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers (23 21 16 00-0128) Note: With stainless steel basket.		
23 21 16 00-0130 EA 1" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	4,434.32 15.85	26.40
23 21 16 00-0131 EA 1-1/4" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	5,603.78 18.60	31.02
23 21 16 00-0132 EA 1-1/2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	6,761.56 20.28	33.80
23 21 16 00-0133 EA 2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	10,833.57 24.81	41.21

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21 16 00-0134	Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers ^(23 21 16 00-0128) Note: With stainless steel basket.		
23 21 16 00-0135	EA 2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	11,351.50 46.31	123.44
23 21 16 00-0136	EA 2-1/2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	11,933.50 50.51	134.28
23 21 16 00-0137	EA 3" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	18,696.68 59.11	157.44
23 21 16 00-0138	EA 4" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	22,845.99 86.83	230.96
23 21 16 00-0139	EA 6" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	40,123.97 109.79	291.74
23 21 16 00-0140	EA 8" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	74,137.05 138.92	372.77
23 21 16 00-0141	Pressure Regulating Valve ^(23 21 16)		
23 21 16 00-0142	Screwed Ends, Water Pressure Reducing Valves ^(23 21 16 00-0141) Note: For building services, 25 - 75 PSI, up to 300 Lbs. rating, iron construction.		
23 21 16 00-0143	EA 1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	202.58 14.33	11.95
23 21 16 00-0144	EA 3/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	250.38 15.92	13.38
23 21 16 00-0145	EA 1" Screwed Ends, Iron Construction, Water Pressure Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	331.29 16.86	14.33
23 21 16 00-0146	EA 1-1/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	572.18 19.11	16.05
23 21 16 00-0147	EA 1-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	777.87 22.94	19.11
23 21 16 00-0148	EA 2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	1,113.68 35.18	29.29
23 21 16 00-0149	EA 2-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	1,210.92 39.58	32.98
23 21 16 00-0150	EA 3" Screwed Ends, Iron Construction, Water Pressure Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	1,330.35 43.98	95.44
23 21 16 00-0151	Cast Iron Body, Steam Pressure Regulator And Reducer ^(23 21 16 00-0141) Note: Single seated, spring loaded, direct acting diaphragm valve.		
23 21 16 00-0152	Screwed Ends, Cast Iron Body, Steam Pressure Regulator And Reducer ^(23 21 16 00-0151)		
23 21 16 00-0153	EA 1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	340.95 18.65	15.56
23 21 16 00-0154	EA 3/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	425.46 26.46	22.04
23 21 16 00-0155	EA 1" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	547.70 32.31	26.86
23 21 16 00-0156	EA 1-1/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	735.54 37.54	32.59
23 21 16 00-0157	EA 1-1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	991.05 42.74	37.04
23 21 16 00-0158	EA 2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,157.86 51.76	51.76
23 21 16 00-0159	Flanged, Cast Iron Body, Steam Pressure Regulator And Reducer ^(23 21 16 00-0151) Note: Single seated, spring loaded, direct acting diaphragm valve.		
23 21 16 00-0160	EA 2-1/2" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,703.89 47.06	125.10
23 21 16 00-0161	EA 3" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	3,363.77 55.07	146.66
23 21 16 00-0162	EA 4" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	4,316.31 92.43	245.87
23 21 16 00-0163	EA 6" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	10,813.82 112.41	298.68
23 21 16 00-0164	Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves ^(23 21 16 00-0141)		
23 21 16 00-0165	Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves ^(23 21 16 00-0164)		
23 21 16 00-0166	EA 1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	1,967.85 16.95	11.30
23 21 16 00-0167	EA 3/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	2,009.31 16.95	11.30
23 21 16 00-0168	EA 1" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	2,139.27 21.39	14.26
23 21 16 00-0169	EA 1-1/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	2,513.36 27.23	18.15



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0170 EA 1-1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	2,877.28 31.40	20.93
23 21 16 00-0171 EA 2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	3,568.23 36.95	24.63
23 21 16 00-0172 Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves (23 21 16 00-0164)		
23 21 16 00-0173 EA 2-1/2" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	4,407.91 47.06	125.10
23 21 16 00-0174 EA 3" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	5,438.66 55.07	146.66
23 21 16 00-0175 EA 4" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	8,234.50 92.43	245.87
23 21 16 00-0176 EA 6" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	18,157.29 112.41	298.68
23 21 16 00-0177 Screwed Ends, Cast Iron Body, Air Pressure Reducing Valves (23 21 16 00-0141)		
23 21 16 00-0178 EA 1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	228.03	12.42
23 21 16 00-0179 EA 3/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	282.83	13.76
23 21 16 00-0180 EA 1" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	376.52	14.62
23 21 16 00-0181 EA 1-1/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	655.79	16.63
23 21 16 00-0182 EA 1-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	893.17	19.87
23 21 16 00-0183 EA 2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,277.52	30.44
23 21 16 00-0184 EA 2-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,383.93	33.16
23 21 16 00-0185 EA 3" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,524.99	38.17
23 21 16 00-0186 Screwed Ends, Bronze Body, Water Pressure Reducing Valves (23 21 16 00-0141)		
Note: For building services, bronze construction, pressure adjustment, union and strainer, factory set at 45 PSI (Watts 25AUB).		
23 21 16 00-0187 EA 1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	143.08	11.95
23 21 16 00-0188 EA 3/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	157.33	13.38
23 21 16 00-0189 EA 1" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	194.01	14.81
23 21 16 00-0190 EA 1-1/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	449.10	16.05
23 21 16 00-0191 EA 1-1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	487.90	19.11
23 21 16 00-0192 EA 2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	766.20	29.29
23 21 16 00-0193 Dual Unit Reducing And Relief Valve (23 21 16)		
23 21 16 00-0194 EA 1/2" Dual Unit Reducing And Relief Valve	160.39	28.25
23 21 16 00-0195 Safety Relief Valve (23 21 16)		
Note: Used in water heater and hot water storage tank applications.		
23 21 16 00-0196 Threaded Inlet, Bronze Body Safety Valves (23 21 16 00-0195)		
Note: Variable set points to 150 psig pressure, 210 Degree F temperature range.		
23 21 16 00-0197 EA 1/2" x 1/2" Threaded Inlet, Bronze Body Safety Valve	64.27	11.95
23 21 16 00-0198 EA 3/4" x 3/4" Threaded Inlet, Bronze Body Safety Valve	87.30	13.14
23 21 16 00-0199 EA 1" x 1" Threaded Inlet, Bronze Body Safety Valve	124.57	16.00
23 21 16 00-0200 EA 1-1/4" x 1-1/4" Threaded Inlet, Bronze Body Safety Valve	159.16	16.96
23 21 16 00-0201 EA 1-1/2" x 1-1/2" Threaded Inlet, Bronze Body Safety Valve	218.81	22.69
23 21 16 00-0202 EA 2" x 2" Threaded Inlet, Bronze Body Safety Valve	291.62	26.75
23 21 16 00-0203 EA 2-1/2" x 2-1/2" Threaded Inlet, Bronze Body Safety Valve	332.28	33.44
23 21 16 00-0204 Threaded, Bronze Body, Temperature And Pressure Relief Valves (23 21 16)		
23 21 16 00-0205 EA 1/2" x 1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve..... <i>For Cast Iron Body, Add</i>	70.36 38.18	24.37
23 21 16 00-0206 EA 3/4" x 3/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve..... <i>For Cast Iron Body, Add</i>	90.31 53.18	29.24
23 21 16 00-0207 EA 1" x 1" Threaded, Bronze Body, Temperature And Pressure Relief Valve	131.46	38.98
23 21 16 00-0208 EA 1-1/4" x 1-1/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve	212.24	41.76
23 21 16 00-0209 EA 1-1/2" x 1-1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	351.87	46.82
23 21 16 00-0210 EA 2" x 2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	409.89	67.28
23 21 16 00-0211 Horizontal Steel Expansion Tanks (23 21 16)		
Note: ASME Code Stamp. 150 PSI with glass gauge and cocks.		
23 21 16 00-0212 EA 10 Gallon Horizontal Steel Expansion Tank.....	487.45	92.61
23 21 16 00-0213 EA 15 Gallon Horizontal Steel Expansion Tank.....	684.88	115.76
23 21 16 00-0214 EA 30 Gallon Horizontal Steel Expansion Tank.....	893.65	138.91
23 21 16 00-0215 EA 40 Gallon Horizontal Steel Expansion Tank.....	1,029.35	162.07
23 21 16 00-0216 EA 60 Gallon Horizontal Steel Expansion Tank.....	1,173.24	162.07

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0217			Horizontal Diaphragm Type (Bladder) Steel Expansion Tanks ^(23 21 16) Note: ASME. Precharged with working pressure 125 psi. Armstrong AX Series.		
23 21 16 00-0218	EA		7.8 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	1,491.08	69.46
23 21 16 00-0219	EA		10.9 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	1,553.53	81.03
23 21 16 00-0220	EA		21.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	2,327.88	92.61
23 21 16 00-0221	EA		33.6 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	2,420.38	104.18
23 21 16 00-0222	EA		44.4 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	3,291.81	115.76
23 21 16 00-0223	EA		55.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	3,469.84	127.34
23 21 16 00-0224	EA		68.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	4,130.92	138.91
23 21 16 00-0225	EA		77.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	4,419.89	150.48
23 21 16 00-0226	EA		90.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	4,872.97	162.07
23 21 16 00-0227	EA		110.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	5,002.48	185.21
23 21 16 00-0228	EA		132.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	6,285.37	208.37
23 21 16 00-0229	EA		158.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	7,210.02	231.52
23 21 16 00-0230	EA		211.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	8,365.86	277.82
23 21 16 00-0231			Vertical Diaphragm Type (Bladder) Steel Expansion Tanks ^(23 21 16) Note: ASME. Precharged with working pressure 125 psi (Armstrong AX)		
23 21 16 00-0232	EA		8.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	1,703.73	69.46
23 21 16 00-0233	EA		11.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	1,754.62	81.03
23 21 16 00-0234	EA		22.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	2,522.04	92.61
23 21 16 00-0235	EA		34.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	2,690.81	104.18
23 21 16 00-0236	EA		44.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	3,428.19	115.76
23 21 16 00-0237	EA		56.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	3,603.90	127.34
23 21 16 00-0238	EA		67.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	4,401.36	138.91
23 21 16 00-0239	EA		77.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	4,757.36	150.48
23 21 16 00-0240	EA		91.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	5,263.59	162.07
23 21 16 00-0241	EA		111.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	5,386.17	185.21
23 21 16 00-0242	EA		132.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	6,634.40	208.37
23 21 16 00-0243	EA		158.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	7,702.34	231.52
23 21 16 00-0244	EA		211.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	8,867.43	277.82
23 21 16 00-0245			Diaphragm Type (Residential Style) Steel Expansion Tanks ^(23 21 16)		
23 21 16 00-0246	EA		2.1 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-5-M1)	62.85	8.79
23 21 16 00-0247	EA		4.5 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-12-M1)	87.80	8.79
23 21 16 00-0248			Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tanks ^(23 21 16)		
23 21 16 00-0249	EA		15 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	808.99	277.91
23 21 16 00-0250	EA		20 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	834.74	277.91
23 21 16 00-0251	EA		30 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	860.50	277.91
23 21 16 00-0252	EA		40 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	927.45	277.91
23 21 16 00-0253	EA		47 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,135.51	370.34
23 21 16 00-0254	EA		60 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,289.87	370.52
23 21 16 00-0255	EA		80 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,320.46	370.52
23 21 16 00-0256	EA		87 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,351.06	370.52
23 21 16 00-0257	EA		120 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,713.08	463.04
23 21 16 00-0258	EA		187 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	4,306.78	463.04
23 21 16 00-0259	EA		264 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	5,453.85	555.46
23 21 16 00-0260			ASME Construction Compression Tanks ^(23 21 16) Note: With gauge glass taps, 125 PSI, 240 degree F tanks below are sized by capacity and diameter and height. See CSI section 22 12 00 00-0000 for other tanks.		
23 21 16 00-0261	EA		15 Gallon, 13" x 34-1/2" ASME Construction Compression Tank.....	899.46	162.99
			<i>For Galvanized Steel Tanks, Add</i>	326.25	
23 21 16 00-0262	EA		24 Gallon, 13" x 51" ASME Construction Compression Tank.....	916.78	167.62
			<i>For Galvanized Steel Tanks, Add</i>	331.06	
23 21 16 00-0263	EA		30 Gallon, 13" x 61-1/2" ASME Construction Compression Tank.....	1,001.89	173.18
			<i>For Galvanized Steel Tanks, Add</i>	369.44	
23 21 16 00-0264	EA		40 Gallon, 16-1/4" x 53" ASME Construction Compression Tank.....	1,098.41	179.66
			<i>For Galvanized Steel Tanks, Add</i>	412.61	
23 21 16 00-0265	EA		60 Gallon, 16-1/4" x 76-1/2" ASME Construction Compression Tank.....	1,285.03	189.85
			<i>For Galvanized Steel Tanks, Add</i>	498.98	
23 21 16 00-0266	EA		80 Gallon, 20-1/4" x 68" ASME Construction Compression Tank.....	1,335.06	197.26
			<i>For Galvanized Steel Tanks, Add</i>	518.17	
23 21 16 00-0267	EA		100 Gallon, 20-1/4" x 82" ASME Construction Compression Tank.....	1,658.75	214.85
			<i>For Galvanized Steel Tanks, Add</i>	666.91	
23 21 16 00-0268	EA		120 Gallon, 24-1/4" x 71-1/2" ASME Construction Compression Tank.....	1,807.99	230.60
			<i>For Galvanized Steel Tanks, Add</i>	729.27	
23 21 16 00-0269	EA		144 Gallon, 24-1/4" x 83-1/2" ASME Construction Compression Tank.....	2,254.80	260.23
			<i>For Galvanized Steel Tanks, Add</i>	930.36	
23 21 16 00-0270	EA		180 Gallon, 30" x 60" ASME Construction Compression Tank.....	2,869.85	298.20
			<i>For Galvanized Steel Tanks, Add</i>	1,209.06	
23 21 16 00-0271	EA		202 Gallon, 30" x 72" ASME Construction Compression Tank.....	3,442.85	330.61
			<i>For Galvanized Steel Tanks, Add</i>	1,471.14	
23 21 16 00-0272	EA		230 Gallon, 30" x 84" ASME Construction Compression Tank.....	3,765.30	359.32
			<i>For Galvanized Steel Tanks, Add</i>	1,610.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0273 EA 280 Gallon, 30" x 96" ASME Construction Compression Tank..... <i>For Galvanized Steel Tanks, Add</i>	4,767.98 2,085.26	394.51
23 21 16 00-0274 EA 306 Gallon, 30" x 108" ASME Construction Compression Tank..... <i>For Galvanized Steel Tanks, Add</i>	4,916.42 2,138.88	421.36
23 21 16 00-0275 EA 340 Gallon, 36" x 84" ASME Construction Compression Tank..... <i>For Galvanized Steel Tanks, Add</i>	6,352.78 2,833.40	452.85
23 21 16 00-0276 EA 550 Gallon, 36" x 96" ASME Construction Compression Tank..... <i>For Galvanized Steel Tanks, Add</i>	10,623.33 4,909.02	531.57
23 21 16 00-0277 Compression Tank Air Fittings (23 21 16)		
23 21 16 00-0278 EA 9" To 24" Diameter Compression Tank Air Fittings.....	136.99	25.93
23 21 16 00-0279 EA >100 Gallon Compression Tank Air Fittings	418.66	30.56
23 21 16 00-0280 Thermostatic Radiator Valves (23 21 16)		
Note: For hot water or two pipe low pressure steam.		
23 21 16 00-0281 EA 1/2" Straight Thermostatic Radiator Valve (Danfoss 013G8015).....	51.86	14.93
23 21 16 00-0282 EA 3/4" Straight Thermostatic Radiator Valve (Danfoss 013G8020).....	63.16	20.14
23 21 16 00-0283 EA 1" Straight Thermostatic Radiator Valve (Danfoss 013G8025).....	84.46	24.37
23 21 16 00-0284 EA 1-1/4" Straight Thermostatic Radiator Valve (Danfoss 013G8032).....	123.11	30.87
23 21 16 00-0285 EA 1/2" Angle Thermostatic Radiator Valve (Danfoss 013G8014).....	51.86	14.93
23 21 16 00-0286 EA 3/4" Angle Thermostatic Radiator Valve (Danfoss 013G8019).....	63.16	20.14
23 21 16 00-0287 EA 1" Angle Thermostatic Radiator Valve (Danfoss 013G8024).....	84.46	24.37
23 21 16 00-0288 EA 1-1/4" Angle Thermostatic Radiator Valve (Danfoss 013G8031).....	123.11	30.87
23 21 16 00-0289 EA Tamper Resistant Valve Mounted Dial And Sensor Thermostatic Operator (Danfoss 013G8240).....	63.23	11.57
23 21 16 00-0290 EA Tamper Resistant Valve Mounted Dial With Remote Sensor Thermostatic Operator (Danfoss 013G2922).....	93.09	16.20
23 21 16 00-0291 Radiator Trap Repair Kits (23 21 16)		
Note: For hot water or two pipe low pressure steam.		
23 21 16 00-0292 EA 1/2" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1031)	90.48	
23 21 16 00-0293 EA 3/4" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1032)	112.73	
23 21 16 00-0294 EA 1/2" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1026).....	112.92	
23 21 16 00-0295 EA 3/4" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1027).....	128.76	
23 21 16 00-0296 EA 1" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1028).....	295.27	
23 21 16 00-0297 Vortex Air Separators With Strainer (23 21 16)		
Note: Separators are priced by capacity in gallons per minute and by boiler connection sizes and types.		
23 21 16 00-0298 EA 2" Threaded, 56 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2N)	1,168.07 130.40	197.26
23 21 16 00-0299 EA 2-1/2" Threaded, 90 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2-1/2N)..... <i>For 300 PSIG, Add</i>	1,443.81 165.12	225.97
23 21 16 00-0300 EA 3" Threaded, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3N)	2,213.34 271.61	265.79
23 21 16 00-0301 EA 3" Flanged, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3F)	2,365.57 290.90	281.34
23 21 16 00-0302 EA 4" Flanged, 300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-4F)..... <i>For 300 PSIG, Add</i>	3,052.93 372.69	375.12
23 21 16 00-0303 EA 5" Flanged, 500 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-5F)..... <i>For 300 PSIG, Add</i>	3,841.24 476.08	440.84
23 21 16 00-0304 EA 6" Flanged, 700 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-6F)..... <i>For 300 PSIG, Add</i>	4,557.80 570.22	499.19
23 21 16 00-0305 EA 8" Flanged, 1,300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-8F)..... <i>For 300 PSIG, Add</i>	6,555.78 847.22	598.86
23 21 16 00-0306 EA 10" Flanged, 2,000 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-10F)..... <i>For 300 PSIG, Add</i>	10,095.18 1,359.57	680.72
23 21 16 00-0307 EA 12" Flanged, 2,750 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-12F)..... <i>For 300 PSIG, Add</i>	13,618.07 1,842.50	880.88
23 21 16 00-0308 EA 14" Flanged, 3400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-14F)..... <i>For 300 PSIG, Add</i>	28,382.45 4,014.26	1,069.69
23 21 16 00-0309 EA 16" Flanged, 4400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-16F)..... <i>For 300 PSIG, Add</i>	35,039.82 4,964.24	1,283.63
23 21 16 00-0310 EA 18" Flanged, 5200 GPM With Strainer, Vortex Air Separator (Rolairtrol R-16F)..... <i>For 300 PSIG, Add</i>	45,721.10 6,517.81	1,497.57
23 21 16 00-0311 EA 20" Flanged, 6300 GPM With Strainer, Vortex Air Separator (Rolairtrol R-20F)..... <i>For 300 PSIG, Add</i>	53,496.10 7,635.44	1,711.52
23 21 16 00-0312 Vortex Air Separators (23 21 16)		
Note: Without system strainer.		
23 21 16 00-0313 EA 2" Threaded, 56 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2N).....	998.32	197.26
23 21 16 00-0314 EA 2-1/2" Threaded, 90 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2-1/2N)..... <i>For 300 PSIG, Add</i>	1,258.63 137.35	225.97
23 21 16 00-0315 EA 3" Threaded, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3N)..... <i>For 300 PSIG, Add</i>	2,167.05 264.66	265.79
23 21 16 00-0316 EA 3" Flanged, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3F)..... <i>For 300 PSIG, Add</i>	1,959.19 229.94	281.34
23 21 16 00-0317 EA 4" Flanged, 300 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-4F)..... <i>For 300 PSIG, Add</i>	2,625.98 308.64	375.12

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0318	EA		5" Flanged, 530 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-5F).....	3,393.71	440.84
			<i>For 300 PSIG, Add</i>	408.95	
23 21 16 00-0319	EA		6" Flanged, 850 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-6F).....	3,950.80	499.19
			<i>For 300 PSIG, Add</i>	479.17	
23 21 16 00-0320	EA		8" Flanged, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8F).....	10,907.63	598.86
			<i>For 300 PSIG, Add</i>	1,500.00	
23 21 16 00-0321	EA		10" Flanged, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10F).....	7,322.54	680.72
			<i>For 300 PSIG, Add</i>	943.67	
23 21 16 00-0322	EA		12" Flanged, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12F).....	11,288.46	880.88
			<i>For 300 PSIG, Add</i>	1,493.06	
23 21 16 00-0323	EA		14" Flanged, 6,100 GPM Vortex Air Separator (Rolairtrol RL-14F).....	19,227.63	1,069.69
			<i>For 300 PSIG, Add</i>	2,641.03	
23 21 16 00-0324	EA		16" Flanged, 8,000 GPM Vortex Air Separator (Rolairtrol RL-16F).....	24,360.97	1,283.63
			<i>For 300 PSIG, Add</i>	3,362.41	
23 21 16 00-0325	EA		18" Flanged, 9,700 GPM Vortex Air Separator (Rolairtrol RL-18F).....	32,576.26	1,497.57
			<i>For 300 PSIG, Add</i>	4,546.08	
23 21 16 00-0326	EA		20" Flanged, 12,000 GPM Vortex Air Separator (Rolairtrol RL-20F).....	44,557.19	1,711.52
			<i>For 300 PSIG, Add</i>	6,294.60	
23 21 16 00-0327	EA		22" Flanged, 15,000 GPM Vortex Air Separator (Rolairtrol RL-22F).....	54,568.51	1,925.45
			<i>For 300 PSIG, Add</i>	7,747.67	
23 21 16 00-0328	EA		24" Flanged, 17,000 GPM Vortex Air Separator (Rolairtrol RL-24F).....	64,579.83	2,139.39
			<i>For 300 PSIG, Add</i>	9,200.75	
23 21 16 00-0329			Grooved, With Strainer, Vortex Air Separators <small>(23 21 16)</small>		
23 21 16 00-0330	EA		3" Grooved, 190 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-3G).....	2,074.55	225.07
23 21 16 00-0331	EA		4" Grooved, 300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-4G).....	2,938.98	299.90
23 21 16 00-0332	EA		5" Grooved, 500 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-5G).....	3,707.74	352.36
23 21 16 00-0333	EA		6" Grooved, 700 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-6G).....	4,406.48	399.35
23 21 16 00-0334	EA		8" Grooved, 1,300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-8G).....	6,363.96	479.22
23 21 16 00-0335	EA		10" Grooved, 2,000 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-10G).....	10,290.12	544.57
23 21 16 00-0336	EA		12" Grooved, 2,750 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-12G).....	15,668.96	704.78
23 21 16 00-0337			Grooved Vortex Air Separators <small>(23 21 16)</small>		
			Note: Without system strainer.		
23 21 16 00-0338	EA		3" Grooved, 190 GPM Vortex Air Separator (Rolairtrol RL-3G).....	1,652.74	225.07
23 21 16 00-0339	EA		4" Grooved, 300 GPM Vortex Air Separator (Rolairtrol RL-4G).....	2,512.03	299.90
23 21 16 00-0340	EA		5" Grooved, 500 GPM Vortex Air Separator (Rolairtrol RL-5G).....	3,260.21	352.36
23 21 16 00-0341	EA		6" Grooved, 850 GPM Vortex Air Separator (Rolairtrol RL-6G).....	3,799.48	399.35
23 21 16 00-0342	EA		8" Grooved, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8G).....	5,077.95	479.22
23 21 16 00-0343	EA		10" Grooved, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10G).....	7,476.33	544.57
23 21 16 00-0344	EA		12" Grooved, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12G).....	12,424.03	704.78
23 21 16 00-0345			Removable Head, Air Eliminator And Dirt Separator <small>(23 21 16)</small>		
			Note: Spirovent VDN.		
23 21 16 00-0346	EA		2", 45 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	3,472.01	197.26
23 21 16 00-0347	EA		2-1/2", 70 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	3,756.94	225.97
23 21 16 00-0348	EA		3", 95 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	5,023.75	265.79
23 21 16 00-0349	EA		4", 170 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	5,721.11	407.48
23 21 16 00-0350	EA		5", 260 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	8,376.22	503.79
23 21 16 00-0351	EA		6", 375 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	10,795.47	570.47
23 21 16 00-0352	EA		8", 625 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	16,899.77	128.73
23 21 16 00-0353	EA		10", 950 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	24,999.86	777.91
23 21 16 00-0354	EA		12", 1,400 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	32,311.93	1,006.65
23 21 16 00-0355			Swivel Joints <small>(23 21 16)</small>		
23 21 16 00-0356			Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) <small>(23 21 16 00-0355)</small>		
			Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21 16 00-0357	EA		1" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	279.22	24.35
23 21 16 00-0358	EA		1-1/2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	401.22	35.65
23 21 16 00-0359	EA		2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	562.14	41.67
23 21 16 00-0360	EA		3" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	838.85	71.31
23 21 16 00-0361	EA		4" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	1,063.12	81.03
			<i>For Stainless Steel, Add</i>	1,351.58	
23 21 16 00-0362	EA		2" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	784.08	123.44
			<i>For Stainless Steel, Add</i>	944.60	
23 21 16 00-0363	EA		3" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	1,059.30	98.49
23 21 16 00-0364	EA		4" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	1,350.54	263.94
23 21 16 00-0365	EA		6" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	2,502.12	333.39
23 21 16 00-0366			Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) <small>(23 21 16 00-0355)</small>		
			Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21 16 00-0367	EA		1" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	355.02	24.35
			<i>For Stainless Steel, Add</i>	459.41	
23 21 16 00-0368	EA		1-1/2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	437.03	35.65
			<i>For Stainless Steel, Add</i>	548.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0369 EA 2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	588.70	41.67
<i>For Stainless Steel, Add</i>	756.77	
23 21 16 00-0370 EA 3" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	946.26	71.31
<i>For Stainless Steel, Add</i>	1,205.69	
23 21 16 00-0371 EA 4" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	1,238.56	81.03
<i>For Stainless Steel, Add</i>	1,614.74	
23 21 16 00-0372 EA 2" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	808.35	123.44
<i>For Stainless Steel, Add</i>	981.00	
23 21 16 00-0373 EA 3" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	1,198.34	98.49
<i>For Stainless Steel, Add</i>	1,501.95	
23 21 16 00-0374 EA 4" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	1,511.06	263.94
<i>For Stainless Steel, Add</i>	1,770.48	
23 21 16 00-0375 EA 6" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	2,612.97	333.39
<i>For Stainless Steel, Add</i>	3,292.11	
23 21 16 00-0376 Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) <small>(23 21 16 00-0355)</small>		
Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21 16 00-0377 EA 1" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	417.58	24.35
<i>For Stainless Steel, Add</i>	553.25	
23 21 16 00-0378 EA 1-1/2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	484.76	35.65
<i>For Stainless Steel, Add</i>	620.28	
23 21 16 00-0379 EA 2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	708.69	41.67
<i>For Stainless Steel, Add</i>	936.75	
23 21 16 00-0380 EA 3" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	1,090.66	71.31
<i>For Stainless Steel, Add</i>	1,422.29	
23 21 16 00-0381 EA 4" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	1,286.29	81.03
<i>For Stainless Steel, Add</i>	1,686.33	
23 21 16 00-0382 EA 2" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	927.70	123.44
<i>For Stainless Steel, Add</i>	1,160.03	
23 21 16 00-0383 EA 3" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	1,346.32	98.49
<i>For Stainless Steel, Add</i>	1,723.92	
23 21 16 00-0384 EA 4" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	1,663.81	263.94
<i>For Stainless Steel, Add</i>	1,999.61	
23 21 16 00-0385 EA 6" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	2,941.16	333.39
<i>For Stainless Steel, Add</i>	3,784.40	
23 21 16 00-0386 Basket Strainers <small>(23 21 16)</small>		
23 21 16 00-0387 Bronze Body Basket Strainers <small>(23 21 16 00-0386)</small>		
23 21 16 00-0388 Screwed Ends, Bronze Body Basket Strainers <small>(23 21 16 00-0387)</small>		
23 21 16 00-0389 EA 1/2" Screwed Ends, Bronze Body Basket Strainer.....	211.82	18.53
<i>For Work In Restricted Working Space, Add</i>	11.03	
23 21 16 00-0390 EA 3/4" Screwed Ends, Bronze Body Basket Strainer.....	250.29	21.77
<i>For Work In Restricted Working Space, Add</i>	12.95	
23 21 16 00-0391 EA 1" Screwed Ends, Bronze Body Basket Strainer.....	290.60	25.93
<i>For Work In Restricted Working Space, Add</i>	15.44	
23 21 16 00-0392 EA 1-1/4" Screwed Ends, Bronze Body Basket Strainer.....	360.59	28.71
<i>For Work In Restricted Working Space, Add</i>	17.21	
23 21 16 00-0393 EA 1-1/2" Screwed Ends, Bronze Body Basket Strainer.....	425.21	32.41
<i>For Work In Restricted Working Space, Add</i>	19.43	
23 21 16 00-0394 EA 2" Screwed Ends, Bronze Body Basket Strainer.....	629.14	37.04
<i>For Work In Restricted Working Space, Add</i>	22.25	
23 21 16 00-0395 EA 2-1/2" Screwed Ends, Bronze Body Basket Strainer.....	888.89	49.54
<i>For Work In Restricted Working Space, Add</i>	29.80	
23 21 16 00-0396 EA 3" Screwed Ends, Bronze Body Basket Strainer.....	1,243.91	52.79
<i>For Work In Restricted Working Space, Add</i>	31.61	
23 21 16 00-0397 Flanged, Bronze Body Basket Strainers <small>(23 21 16 00-0387)</small>		
23 21 16 00-0398 EA 2" Flanged, Bronze Body Basket Strainer.....	995.39	123.44
<i>For Work In Restricted Working Space, Add</i>	46.31	
23 21 16 00-0399 EA 2-1/2" Flanged, Bronze Body Basket Strainer.....	1,484.29	134.28
<i>For Work In Restricted Working Space, Add</i>	50.51	
23 21 16 00-0400 EA 3" Flanged, Bronze Body Basket Strainer.....	1,684.59	157.44
<i>For Work In Restricted Working Space, Add</i>	59.11	
23 21 16 00-0401 EA 4" Flanged, Bronze Body Basket Strainer.....	2,848.13	263.93
<i>For Work In Restricted Working Space, Add</i>	99.22	
23 21 16 00-0402 EA 6" Flanged, Bronze Body Basket Strainer.....	5,343.55	291.74
<i>For Work In Restricted Working Space, Add</i>	109.79	
23 21 16 00-0403 EA 8" Flanged, Bronze Body Basket Strainer.....	9,703.05	372.77
<i>For Work In Restricted Working Space, Add</i>	138.92	
23 21 16 00-0404 Iron Body Basket Strainers <small>(23 21 16 00-0386)</small>		
23 21 16 00-0405 Screwed Ends, Iron Body Basket Strainers <small>(23 21 16 00-0404)</small>		
23 21 16 00-0406 EA 1/2" Screwed Ends, Iron Body Basket Strainer.....	333.08	18.53
<i>For Work In Restricted Working Space, Add</i>	11.03	
23 21 16 00-0407 EA 3/4" Screwed Ends, Iron Body Basket Strainer.....	374.85	21.77
<i>For Work In Restricted Working Space, Add</i>	12.95	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0408 EA 1" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	442.93 15.44	25.93
23 21 16 00-0409 EA 1-1/4" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	582.06 17.21	28.71
23 21 16 00-0410 EA 1-1/2" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	638.39 19.43	32.41
23 21 16 00-0411 EA 2" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	759.27 22.25	37.04
23 21 16 00-0412 EA 2-1/2" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,078.05 29.80	49.54
23 21 16 00-0413 EA 3" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,220.00 31.61	52.79
23 21 16 00-0414 Flanged, Iron Body Basket Strainers (23 21 16 00-0404)		
23 21 16 00-0415 EA 2" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	558.62 46.31	123.44
23 21 16 00-0416 EA 2-1/2" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	713.27 50.51	134.28
23 21 16 00-0417 EA 3" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	777.09 59.11	157.44
23 21 16 00-0418 EA 4" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,203.74 99.22	263.93
23 21 16 00-0419 EA 6" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,065.10 109.79	291.74
23 21 16 00-0420 EA 8" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	3,597.66 138.92	372.77
23 21 16 00-0421 EA 10" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	5,283.80 170.18	453.81
23 21 16 00-0422 EA 12" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	6,739.52 343.24	572.12
23 21 16 00-0423 EA 14" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	7,870.54 243.11	648.30
23 21 16 00-0424 EA 16" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	8,273.82 267.43	713.13
23 21 16 00-0425 Cast Steel Body Basket Strainers (23 21 16 00-0386)		
23 21 16 00-0426 Screwed Ends, Cast Steel Body Basket Strainers (23 21 16 00-0425)		
23 21 16 00-0427 EA 1" Screwed Ends, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	506.83 15.44	25.93
23 21 16 00-0428 EA 1-1/4" Screwed Ends, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	665.18 17.21	28.71
23 21 16 00-0429 EA 1-1/2" Screwed Ends, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	749.75 19.43	32.41
23 21 16 00-0430 EA 2" Screwed Ends, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,048.59 22.25	37.04
23 21 16 00-0431 EA 2-1/2" Screwed Ends, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,469.33 29.80	49.54
23 21 16 00-0432 EA 3" Screwed Ends, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,899.89 31.61	52.79
23 21 16 00-0433 Flanged, Cast Steel Body Basket Strainers (23 21 16 00-0425)		
23 21 16 00-0434 EA 2" Flanged, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,572.59 46.31	123.44
23 21 16 00-0435 EA 2-1/2" Flanged, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,242.68 50.51	134.28
23 21 16 00-0436 EA 3" Flanged, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,464.30 59.11	157.44
23 21 16 00-0437 EA 4" Flanged, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	3,514.56 99.22	263.93
23 21 16 00-0438 EA 6" Flanged, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	6,106.50 109.79	291.74
23 21 16 00-0439 EA 8" Flanged, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	9,869.80 138.92	372.77
23 21 16 00-0440 Stainless Steel Body Basket Strainers (23 21 16 00-0386)		
23 21 16 00-0441 Screwed Ends, Stainless Steel Body Basket Strainers (23 21 16 00-0440)		
23 21 16 00-0442 EA 1" Screwed Ends, Stainless Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	328.41 15.44	25.93
23 21 16 00-0443 EA 1-1/4" Screwed Ends, Stainless Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	467.32 17.21	28.71
23 21 16 00-0444 EA 1-1/2" Screwed Ends, Stainless Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	484.30 19.43	32.41
23 21 16 00-0445 EA 2" Screwed Ends, Stainless Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	708.96 22.25	37.04
23 21 16 00-0446 EA 2-1/2" Screwed Ends, Stainless Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,000.13 29.80	49.54
23 21 16 00-0447 EA 3" Screwed Ends, Stainless Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,401.06 31.61	52.79



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0448				Flanged, Stainless Steel Body Basket Strainers <small>(23 21 16 00-0440)</small>		
23 21 16 00-0449	EA			2" Flanged, Stainless Steel Body Basket Strainer 1,099.03		123.44
				<i>For Work In Restricted Working Space, Add</i> 46.31		
23 21 16 00-0450	EA			2-1/2" Flanged, Stainless Steel Body Basket Strainer 1,639.56		134.28
				<i>For Work In Restricted Working Space, Add</i> 50.51		
23 21 16 00-0451	EA			3" Flanged, Stainless Steel Body Basket Strainer 1,858.80		157.44
				<i>For Work In Restricted Working Space, Add</i> 59.11		
23 21 16 00-0452	EA			4" Flanged, Stainless Steel Body Basket Strainer 3,141.47		263.93
				<i>For Work In Restricted Working Space, Add</i> 99.22		
23 21 16 00-0453	EA			6" Flanged, Stainless Steel Body Basket Strainer 4,753.47		291.74
				<i>For Work In Restricted Working Space, Add</i> 109.79		
23 21 16 00-0454	EA			8" Flanged, Stainless Steel Body Basket Strainer 8,196.02		372.77
				<i>For Work In Restricted Working Space, Add</i> 138.92		
23 21 16 00-0455				Air Vents <small>(23 21 16)</small>		
23 21 16 00-0456				Screwed Ends, Cast Iron, Automatic Air Vents <small>(23 21 16 00-0455)</small>		
				Note: With guided free floating lever.		
23 21 16 00-0457	EA			1/2" NPT, Cast Iron, Automatic Air Vent 251.76		26.86
23 21 16 00-0458	EA			3/4" NPT, Cast Iron, Automatic Air Vent 308.29		35.65
23 21 16 00-0459	EA			1" NPT, Cast Iron, Automatic Air Vent 701.55		37.04
23 21 16 00-0460	EA			1-1/4" NPT, Cast Iron, Automatic Air Vent 1,040.34		57.23
23 21 16 00-0461	EA			1-1/2" NPT, Cast Iron, Automatic Air Vent 1,733.69		61.59
23 21 16 00-0462	EA			2" NPT, Cast Iron, Automatic Air Vent 1,991.00		81.22
23 21 16 00-0463				Forged Steel, Stainless Steel Internals, Automatic Air Vents <small>(23 21 16 00-0455)</small>		
				Note: With guided free floating lever.		
23 21 16 00-0464	EA			1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent 1,369.70		31.02
23 21 16 00-0465	EA			3/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent 1,715.65		35.65
23 21 16 00-0466	EA			1" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent 2,045.48		37.04
23 21 16 00-0467	EA			1-1/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent 3,355.02		57.42
23 21 16 00-0468	EA			1-1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent 3,873.56		61.59
23 21 16 00-0469	EA			2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent 5,691.82		81.03
23 21 16 00-0470				Automatic Air Vent <small>(23 21 16 00-0455)</small>		
23 21 16 00-0471	EA			3/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR) 158.55		35.65
23 21 16 00-0472	EA			1" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR) 172.48		37.04
23 21 16 00-0473	EA			1-1/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR) 246.93		57.23
23 21 16 00-0474	EA			1-1/2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR) 300.04		61.59
23 21 16 00-0475	EA			2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR) 375.95		66.37
23 21 16 00-0476				Manual Air Vent Bleed Plug Valve <small>(23 21 16 00-0455)</small>		
23 21 16 00-0477	EA			Up To 1/2" Manual Air Vent Bleed Plug Valve 70.20		33.43
23 21 16 00-0478				Air Release Valves <small>(23 21 16 00-0455)</small>		
23 21 16 00-0479				Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50) <small>(23 21 16 00-0478)</small>		
				Note: Up to 175 psi. Stainless steel float.		
23 21 16 00-0480	EA			1/2" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50) 149.75		13.89
23 21 16 00-0481	EA			3/4" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50) 731.68		15.74
23 21 16 00-0482	EA			1" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50) 160.86		19.45
23 21 16 00-0483				Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200) <small>(23 21 16 00-0478)</small>		
				Note: Up to 175 psi. Stainless steel float.		
23 21 16 00-0484	EA			1" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200A) 608.88		19.45
23 21 16 00-0485	EA			2" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200) 731.68		33.80
23 21 16 00-0486	EA			3" Flanged, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200) 960.08		78.81
23 21 16 00-0487				Cast Iron, Air/Vacuum Valves <small>(23 21 16 00-0478)</small>		
				Note: Up to 150 psi. Stainless steel float.		
23 21 16 00-0488	EA			1/2" NPT, Cast Iron, Air/Vacuum Valve (Apco 141) 294.96		13.89
23 21 16 00-0489	EA			1" NPT, Cast Iron, Air/Vacuum Valve (Apco 142) 364.15		19.45
23 21 16 00-0490	EA			2" NPT, Cast Iron, Air/Vacuum Valve (Apco 144) 629.07		33.80
23 21 16 00-0491	EA			3" Flanged, Cast Iron, Air/Vacuum Valve (Apco 146) 913.62		78.81
23 21 16 00-0492	EA			4" Flanged, Cast Iron, Air/Vacuum Valve (Apco 152) 1,429.64		132.30
23 21 16 00-0493	EA			6" Flanged, Cast Iron, Air/Vacuum Valve (Apco 153) 2,174.25		167.29
23 21 16 00-0494				Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice <small>(23 21 16 00-0478)</small>		
				Note: Up to 150 psi. Stainless Steel float.		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0495 EA 1" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 143C).....	526.79	19.45
23 21 16 00-0496 EA 2" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 145C).....	809.13	33.80
23 21 16 00-0497 EA 3" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 147C).....	1,484.77	78.81
23 21 16 00-0498 EA 4" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 149C).....	1,927.22	132.30
23 21 23 Hydronic Pumps (23 21)		
23 21 23 13 In-Line Centrifugal Hydronic Pumps (23 21 23)		
23 21 23 13-0001 Cast Iron Single Stage In-Line Centrifugal Pump (23 21 23 13)		
Note: For general service, 125 LB flanged, 3550 RPM TEFC motor. Includes packed stuffing boxes and ductile iron case.		
23 21 23 13-0002 EA 50 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 100' Head And 3 HP.....	3,180.15	247.23
For Mechanical Seal, Add	195.10	
For Cast Steel Case, Add	438.99	
23 21 23 13-0003 EA 75 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 100' Head And 5 HP.....	3,511.87	299.24
For Mechanical Seal, Add	209.16	
For Cast Steel Case, Add	470.60	
23 21 23 13-0004 EA 100 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 150' Head And 7-1/2 HP.....	4,071.96	355.51
For Mechanical Seal, Add	240.50	
For Cast Steel Case, Add	541.13	
23 21 23 13-0005 EA 125 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 150' Head And 10 HP.....	4,508.25	474.01
For Mechanical Seal, Add	246.99	
For Cast Steel Case, Add	555.72	
23 21 23 13-0006 EA 150 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 200' Head And 15 HP.....	5,309.90	516.64
For Mechanical Seal, Add	300.79	
For Cast Steel Case, Add	676.77	
23 21 23 13-0007 EA 200 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 300' Head And 30 HP.....	7,663.60	568.64
For Mechanical Seal, Add	476.68	
For Cast Steel Case, Add	1,072.54	
23 21 23 13-0008 EA 250 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 300' Head And 40 HP.....	9,062.60	710.17
For Mechanical Seal, Add	554.50	
For Cast Steel Case, Add	1,247.63	
23 21 23 13-0009 EA 300 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 300' Head And 50 HP.....	7,907.94	811.62
For Mechanical Seal, Add	437.77	
For Cast Steel Case, Add	984.98	
23 21 23 13-0010 EA 400 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 400' Head And 75 HP.....	15,458.62	840.36
For Mechanical Seal, Add	1,035.00	
For Cast Steel Case, Add	2,328.74	
23 21 23 13-0011 EA 600 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 400' Head And 100 HP.....	17,095.08	1,080.23
For Mechanical Seal, Add	1,108.29	
For Cast Steel Case, Add	2,493.64	
23 21 23 16 Base-Mounted, Centrifugal Hydronic Pumps (23 21 23)		
See CSI section 26 29 23 00-0000 for variable frequency motor controllers.		
23 21 23 16-0001 Single Stage, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16)		
Note: 1800 RPM, welded steel baseplate, internally flushed mechanical seal, bronze wear ring, galvanized drip pan, and 3 phase 230/460V premium efficiency motor. Bell & Gossett 1510 Series.		
23 21 23 16-0002 EA 5 HP, 50 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/4 BC, BF, 184T).....	3,636.53	270.25
23 21 23 16-0003 EA 7.5 HP, 100 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/2 BC, BF, 213T).....	4,060.90	270.59
23 21 23 16-0004 EA 10 HP, 225 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 215T).....	5,335.64	355.51
23 21 23 16-0005 EA 15 HP, 250 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 254T).....	5,891.81	437.35
23 21 23 16-0006 EA 15 HP, 300 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 G, BF, 254T).....	6,546.13	437.35
23 21 23 16-0007 EA 20 HP, 350 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 E, BF, 256T).....	6,412.82	474.01
23 21 23 16-0008 EA 20 HP, 500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 256T).....	6,784.83	474.01
23 21 23 16-0009 EA 25 HP, 600 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 284T).....	7,407.12	497.03
23 21 23 16-0010 EA 30 HP, 750 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 286T).....	8,303.88	631.73
23 21 23 16-0011 EA 40 HP, 1,050 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 324T).....	8,827.44	710.17
23 21 23 16-0012 EA 60 HP, 1,500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 6 E, BF, 364T).....	14,177.65	1,669.62
23 21 23 16-0013 EA 75 HP, 2,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 365T).....	20,129.49	2,003.18
23 21 23 16-0014 EA 100 HP, 3,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 404TS).....	23,065.47	2,503.99
23 21 23 16-0015 Single Stage, Vertical Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16)		
Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.		
23 21 23 16-0016 EA 40 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 1-1/2 HP.....	1,482.30	198.64
For 300 LB Flanges, Add	281.02	
23 21 23 16-0017 EA 50 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 2 HP.....	1,706.53	213.13
For 300 LB Flanges, Add	346.71	
23 21 23 16-0018 EA 90 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 3 HP.....	2,110.01	227.63
For 300 LB Flanges, Add	432.78	
23 21 23 16-0019 EA 100 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 5 HP.....	2,521.30	270.25
For 300 LB Flanges, Add	508.53	
23 21 23 16-0020 EA 150 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 7.5 HP.....	2,649.21	270.59
For 300 LB Flanges, Add	534.42	
23 21 23 16-0021 EA 200 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 10 HP.....	2,954.16	355.51
For 300 LB Flanges, Add	578.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 16-0022 EA 225 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 10 HP <i>For 300 LB Flanges, Add</i>	2,954.16 578.69	355.51
23 21 23 16-0023 EA 250 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 10 HP <i>For 300 LB Flanges, Add</i>	2,954.16 578.69	355.51
23 21 23 16-0024 EA 300 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 15 HP <i>For 300 LB Flanges, Add</i>	3,606.90 704.99	437.35
23 21 23 16-0025 EA 350 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 15 HP <i>For 300 LB Flanges, Add</i>	3,688.82 717.53	437.01
23 21 23 16-0026 EA 500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 20 HP <i>For 300 LB Flanges, Add</i>	3,874.51 755.49	474.01
23 21 23 16-0027 EA 600 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 25 HP <i>For 300 LB Flanges, Add</i>	4,231.83 827.79	497.03
23 21 23 16-0028 EA 750 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 30 HP <i>For 300 LB Flanges, Add</i>	4,835.69 924.74	631.73
23 21 23 16-0029 EA 1,050 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 40 HP <i>For 300 LB Flanges, Add</i>	5,471.43 1,048.16	710.17
23 21 23 16-0030 EA 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 60 HP <i>For 300 LB Flanges, Add</i>	9,516.25 1,574.21	1,669.62
23 21 23 16-0031 EA 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 75 HP <i>For 300 LB Flanges, Add</i>	11,365.05 1,875.44	2,003.18
23 21 23 16-0032 EA 3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 100 HP <i>For 300 LB Flanges, Add</i>	13,772.56 2,235.86	2,503.99
23 21 23 16-0033	Single Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump ^(23 21 23 16)	
	Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.	
23 21 23 16-0034 EA 40 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 1-1/2" HP <i>For 300 LB Flanges, Add</i>	2,075.52 429.33	198.64
23 21 23 16-0035 EA 50 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 2 HP <i>For 300 LB Flanges, Add</i>	2,148.04 441.09	213.13
23 21 23 16-0036 EA 90 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 3 HP <i>For 300 LB Flanges, Add</i>	2,220.68 452.87	227.63
23 21 23 16-0037 EA 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 5 HP <i>For 300 LB Flanges, Add</i>	2,384.67 491.35	232.75
23 21 23 16-0038 EA 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 7.5 HP <i>For 300 LB Flanges, Add</i>	3,675.54 797.09	270.25
23 21 23 16-0039 EA 250 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 10 HP <i>For 300 LB Flanges, Add</i>	4,799.76 1,061.72	355.51
23 21 23 16-0040 EA 350 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 15 HP <i>For 300 LB Flanges, Add</i>	4,980.36 1,085.24	383.64
23 21 23 16-0041 EA 500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 20 HP <i>For 300 LB Flanges, Add</i>	5,387.75 1,150.20	426.27
23 21 23 16-0042 EA 750 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 25 HP <i>For 300 LB Flanges, Add</i>	5,863.87 1,276.88	420.59
23 21 23 16-0043 EA 1,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 40 HP <i>For 300 LB Flanges, Add</i>	6,705.26 1,433.20	540.52
23 21 23 16-0044 EA 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 50 HP <i>For 300 LB Flanges, Add</i>	8,569.99 1,820.56	668.02
23 21 23 16-0045 EA 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 75 HP <i>For 300 LB Flanges, Add</i>	9,829.97 2,055.07	834.37
23 21 23 16-0046 EA 3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 100 HP <i>For 300 LB Flanges, Add</i>	13,611.64 2,920.00	1,001.60
23 21 23 16-0047 EA 3,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 150 HP <i>For 300 LB Flanges, Add</i>	24,247.61 5,525.33	1,112.49
23 21 23 16-0048 EA 4,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 200 HP <i>For 300 LB Flanges, Add</i>	26,290.64 5,882.79	1,430.85
23 21 23 16-0049	Two Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump ^(23 21 23 16)	
	Note: 3500 RPM drip-proof motor, common base plate 500' head. Packed stuffing box and boiler feed water service.	
23 21 23 16-0050 EA 100 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 40 HP <i>For 300 LB Flanges, Add</i>	6,863.08 1,519.03	437.35
23 21 23 16-0051 EA 200 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 50 HP <i>For 300 LB Flanges, Add</i>	7,434.62 1,645.52	474.01
23 21 23 16-0052 EA 300 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 75 HP <i>For 300 LB Flanges, Add</i>	9,076.45 1,981.38	628.39
23 21 23 16-0053 EA 400 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 100 HP <i>For 300 LB Flanges, Add</i>	17,132.87 3,887.58	863.46
23 21 23 16-0054 EA 800 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 200 HP <i>For 300 LB Flanges, Add</i>	21,171.69 4,765.41	1,151.28
23 21 23 16-0055	Cast Iron Close Coupling Pumps ^(23 21 23 16)	
23 21 23 16-0056	Foot Mounted Cast Iron Close Coupled Pumps ^(23 21 23 16-0055)	
23 21 23 16-0057 EA 3 HP, 90 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 1-1/2 AC, BF, 182JM)	3,268.40	255.76
23 21 23 16-0058 EA 3 HP, 150 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 AB, BF, 182JM)	3,536.01	255.76

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 20 HVAC Piping And Pumps

23 21 Hydronic Piping And Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 16-0059	EA		5 HP, 225 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 BB, BF, 184JM).....	3,918.28	269.97
23 21 23 16-0060	EA		5 HP, 350 GPM At 25' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 184JM).....	4,155.01	269.97
23 21 23 16-0061	EA		7.5 HP, 350 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 213JM).....	4,750.50	283.89
23 21 23 16-0062	EA		10 HP, 600 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 5 A, BF, 215JM).....	5,622.60	337.65
23 21 23 16-0063	EA		15 HP, 1,000 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 254JP).....	7,355.91	415.96
23 21 23 16-0064	EA		20 HP, 1,350 GPM At 30' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 256JP).....	7,879.11	450.21
23 21 23 16-0065	EA		25 HP, 1,550 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 284JP).....	9,092.86	486.22
23 21 23 16-0066			Pumps, Polypropylene Body, Housing And Impeller, 115/230 Volt (23 21 23 16)		
23 21 23 16-0067	EA		1/3 HP, Centrifugal Pump, Polypropylene Body.....	846.56	132.15
23 21 23 16-0068	EA		1/2 HP, Centrifugal Pump, Polypropylene Body.....	902.55	140.12
23 21 23 16-0069	EA		3/4 HP, Centrifugal Pump, Polypropylene Body.....	1,042.95	149.20
23 21 23 23			Vertical-Turbine Hydronic Pumps (23 21 23)		
			See CSI section 26 29 23 00-0000 for variable frequency motor controllers.		
23 21 23 23-0001			Cast Iron, Bronze Fitted Vertical Turbine Wet Sump Pumps (23 21 23 23)		
			Note: For water supply, cooling towers and process liquids. Multi-stage 1750 RPM drip-proof motor. For 1' to 5' sump depth.		
23 21 23 23-0002	EA		50 GPM Cast Iron Turbine Pump, 3" Discharge 100' Head, 10 Stage, 2 HP.....	4,337.84	631.73
			For Each Extra Column Assembly <60", Add	384.92	
			For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	135.62	
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	92.24	
23 21 23 23-0003	EA		100 GPM Cast Iron Turbine Pump, 4" Discharge 100' Head, 7 Stage, 3 HP.....	4,492.75	710.17
			For Each Extra Column Assembly <60", Add	397.62	
			For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	141.51	
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	96.59	
23 21 23 23-0004	EA		250 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 5 Stage, 15 HP.....	5,466.99	668.02
			For Each Extra Column Assembly <60", Add	485.27	
			For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	170.77	
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	116.10	
23 21 23 23-0005	EA		500 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 3 Stage, 25 HP.....	5,827.31	770.87
			For Each Extra Column Assembly <60", Add	515.71	
			For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	183.56	
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	125.29	
23 21 23 23-0006	EA		1,000 GPM Cast Iron Turbine Pump, 8" Discharge 150' Head, 2 Stage, 50 HP.....	6,906.30	834.37
			For Each Extra Column Assembly <60", Add	606.16	
			For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	222.60	
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	153.53	
23 21 23 23-0007	EA		2,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 3 Stage, 100 HP.....	10,262.38	1,001.60
			For Each Extra Column Assembly <60", Add	885.38	
			For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	346.11	
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	243.48	
23 21 23 23-0008	EA		3,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 2 Stage, 150 HP.....	12,398.20	1,251.99
			For Each Extra Column Assembly <60", Add	1,072.34	
			For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	415.44	
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	291.46	
23 21 23 23-0009	EA		4,000 GPM Cast Iron Turbine Pump, 12" Discharge 150' Head, 2 Stage, 200 HP.....	18,612.90	1,430.85
			For Each Extra Column Assembly <60", Add	1,581.02	
			For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	652.53	
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	466.40	
23 21 23 23-0010	EA		6,000 GPM Cast Iron Turbine Pump, 14" Discharge 150' Head, 2 Stage, 300 HP.....	23,958.04	1,669.62
			For Each Extra Column Assembly <60", Add	2,023.96	
			For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	851.01	
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	611.43	
23 21 23 23-0011	EA		10,000 GPM Cast Iron Turbine Pump, 18" Discharge 100' Head, 2 Stage, 300 HP.....	32,816.88	2,003.18
			For Each Extra Column Assembly <60", Add	2,754.13	
			For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	1,183.90	
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	855.73	
23 21 29			Automatic Condensate Pump Units (23 21)		
23 21 29 00-0001			Automatic Shallow Pan Condensate Pump (23 21 29)		
23 21 29 00-0002	EA		1/150 HP, 205 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 1-ABS).....	169.16	27.71
23 21 29 00-0003	EA		1/40 HP, 300 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 2-ABS).....	183.38	27.71
23 21 29 00-0004	EA		1/12 HP, 310 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 3-ABS).....	285.53	31.97
23 21 29 00-0005			Automatic Condensate Pump With Tank (23 21 29)		
23 21 29 00-0006	EA		1/20 HP Automatic Condensate Pump With Tank (Hartell KT-15-1UL).....	93.00	21.32
23 21 29 00-0007	EA		1/30 HP Automatic Condensate Pump With Tank (Little Giant VCMX-20).....	99.08	21.32
23 21 29 00-0008	EA		1/50 HP, 200 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-14ULS).....	164.50	27.71
23 21 29 00-0009	EA		1/18 HP, 270 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-24ULS).....	177.68	31.97



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	29	00-0010	EA	1/5 HP, 450 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-45ULS) Condensate Pump.....	327.16	36.24
23 22 Steam And Condensate Piping And Pumps (23 20)						
23 22 16 Steam And Condensate Heating Piping Specialties (23 22)						
23 22 16 00-0001 Steam Temperature Regulator, Iron Body (23 22 16)						
23 22 16 00-0002 Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)						
Note: Up to 150 PSI.						
23 22	16	00-0003	EA	1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,223.43	13.76
23 22	16	00-0004	EA	3/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,286.23	18.54
23 22	16	00-0005	EA	1" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,707.39	22.84
23 22	16	00-0006	EA	1-1/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,884.37	28.86
23 22	16	00-0007	EA	1-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,932.56	33.16
23 22	16	00-0008	EA	2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,284.38	36.06
23 22	16	00-0009	EA	2-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,902.64	66.06
23 22	16	00-0010	EA	3" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,587.18	72.03
23 22	16	00-0011	EA	4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,403.66	168.62
23 22	16	00-0012	EA	6" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,895.90	197.91
23 22 16 00-0013 Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)						
23 22	16	00-0014	EA	1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,815.45	13.76
23 22	16	00-0015	EA	3/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,879.16	18.54
23 22	16	00-0016	EA	1" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,962.00	22.84
23 22	16	00-0017	EA	1-1/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,384.24	28.86
23 22	16	00-0018	EA	1-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,515.04	33.16
23 22	16	00-0019	EA	2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,856.37	36.06
23 22	16	00-0020	EA	2-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,374.52	66.06
23 22	16	00-0021	EA	3" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,162.96	72.03
23 22	16	00-0022	EA	4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,078.66	168.62
23 22	16	00-0023	EA	6" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,880.79	197.91
23 22 16 00-0024 Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)						
23 22	16	00-0025	EA	1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,475.54	13.76
23 22	16	00-0026	EA	3/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,510.44	18.54
23 22	16	00-0027	EA	1" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,746.76	22.84
23 22	16	00-0028	EA	1-1/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,990.02	28.86
23 22	16	00-0029	EA	1-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,097.51	33.16
23 22	16	00-0030	EA	2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,494.67	36.06
23 22	16	00-0031	EA	2-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	6,467.22	66.06
23 22	16	00-0032	EA	3" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,025.88	72.03
23 22	16	00-0033	EA	4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,923.55	168.62
23 22	16	00-0034	EA	6" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	5,455.06	197.91
23 22 16 00-0035 Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)						
23 22	16	00-0036	EA	1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,173.11	13.76
23 22	16	00-0037	EA	3/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,204.54	18.54
23 22	16	00-0038	EA	1" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,479.21	22.84
23 22	16	00-0039	EA	1-1/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,624.78	28.86
23 22	16	00-0040	EA	1-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,763.68	33.16
23 22	16	00-0041	EA	2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,098.06	36.06
23 22	16	00-0042	EA	2-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	6,816.01	66.06
23 22	16	00-0043	EA	3" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,176.22	72.03
23 22	16	00-0044	EA	4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,073.89	168.62
23 22	16	00-0045	EA	6" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	5,605.40	197.91
23 22 16 00-0046 High Temperature Safety Relief Valve (23 22 16)						
Note: Used in steam or water boiler, heating systems and unfired pressure vessel applications.						
23 22 16 00-0047 Cast Iron Body Safety Valve, Steam Or Water (23 22 16 00-0046)						
Note: Variable set points to 500 psig pressure, 400 Degree F temperature range.						
23 22 16 00-0048 Threaded (23 22 16 00-0047)						
23 22	16	00-0049	EA	3/4" x 1" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	450.26	14.33
23 22	16	00-0050	EA	1" x 1-1/4" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	470.37	16.96
23 22	16	00-0051	EA	1-1/4" x 1-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	517.62	21.50
23 22	16	00-0052	EA	1-1/2" x 2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	639.61	23.89
23 22	16	00-0053	EA	2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	819.39	29.39
23 22	16	00-0054	EA	2-1/2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	1,276.76	33.44
23 22	16	00-0055	EA	3" x 3" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	1,382.75	38.46

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 22 Steam And Condensate Piping And Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 22 16 00-0056	Flanged ^(23 22 16 00-0047)			
23 22 16 00-0057	EA	1-1/2" x 2-1/2" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	3,202.14	100.34
23 22 16 00-0058	EA	2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	3,723.08	150.83
23 22 16 00-0059	EA	2-1/2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	4,117.23	138.82
23 22 16 00-0060	EA	2-1/2" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	4,996.14	200.51
23 22 16 00-0061	EA	3" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	5,341.75	149.53
23 22 16 00-0062	EA	3" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	6,272.52	200.51
23 22 16 00-0063	EA	4" x 6" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	10,504.37	284.55
23 22 16 00-0064	EA	6" x 8" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	20,930.64	317.78
23 22 16 00-0065	Bronze Body Safety Valve, Threaded, Steam ^(23 22 16 00-0046)			
Note: Variable set points to 250 psig pressure, 400 Degree F temperature range. Valve also can be set for Air or Gas with variable set points to 300 psig pressure.				
23 22 16 00-0066	EA	3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Steam	491.09	13.14
23 22 16 00-0067	EA	3/4" x 1" Threaded Bronze Body Safety Relief Valve, Steam	502.62	14.33
23 22 16 00-0068	EA	1" x 1" Threaded Bronze Body Safety Relief Valve, Steam	588.79	15.77
23 22 16 00-0069	EA	1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam	650.41	16.96
23 22 16 00-0070	EA	1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam.....	752.78	19.11
23 22 16 00-0071	EA	1-1/4" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam.....	755.43	21.50
23 22 16 00-0072	EA	1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam.....	850.40	22.69
23 22 16 00-0073	EA	1-1/2" x 2" Threaded Bronze Body Safety Relief Valve, Steam	927.16	23.89
23 22 16 00-0074	EA	2" x 2" Threaded Bronze Body Safety Relief Valve, Steam	1,290.52	26.75
23 22 16 00-0075	EA	2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam	1,410.32	29.39
23 22 16 00-0076	EA	2-1/2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam.....	1,683.60	33.44
23 22 16 00-0077	Bronze Body Safety Valve, Threaded, Water ^(23 22 16 00-0046)			
Note: Variable set points to 160 psig pressure, 250 Degree F temperature range.				
23 22 16 00-0078	EA	3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Water	227.58	13.14
23 22 16 00-0079	EA	3/4" x 1" Threaded Bronze Body Safety Relief Valve, Water	259.67	14.33
23 22 16 00-0080	EA	1" x 1" Threaded Bronze Body Safety Relief Valve, Water	361.80	15.77
23 22 16 00-0081	EA	1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water	398.56	16.96
23 22 16 00-0082	EA	1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water.....	579.30	19.11
23 22 16 00-0083	EA	1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Water.....	783.04	22.69
23 22 16 00-0084	EA	2" x 2" Threaded Bronze Body Safety Relief Valve, Water	1,145.44	26.75
23 22 16 00-0085	Steam Traps ^(23 22 16)			
23 22 16 00-0086	Inverted Bucket Steam Traps ^(23 22 16 00-0085)			
23 22 16 00-0087	EA	1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	246.36	27.78
		<i>For Work In Restricted Working Space, Add</i>	16.67	
23 22 16 00-0088	EA	3/4" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	248.67	28.94
		<i>For Work In Restricted Working Space, Add</i>	17.36	
23 22 16 00-0089	EA	1" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	368.87	30.84
		<i>For Work In Restricted Working Space, Add</i>	18.52	
23 22 16 00-0090	EA	1-1/4" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	596.06	42.09
		<i>For Work In Restricted Working Space, Add</i>	25.26	
23 22 16 00-0091	EA	1-1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	886.53	51.87
		<i>For Work In Restricted Working Space, Add</i>	30.87	
23 22 16 00-0092	EA	2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	1,132.15	77.17
		<i>For Work In Restricted Working Space, Add</i>	46.31	
23 22 16 00-0093	Float And Thermostatic Steam Traps ^(23 22 16 00-0085)			
23 22 16 00-0094	EA	3/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	260.38	28.94
		<i>For Work In Restricted Working Space, Add</i>	17.36	
23 22 16 00-0095	EA	1" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	342.49	30.86
		<i>For Work In Restricted Working Space, Add</i>	18.52	
23 22 16 00-0096	EA	1-1/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	423.89	42.09
		<i>For Work In Restricted Working Space, Add</i>	25.26	
23 22 16 00-0097	EA	1-1/2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	572.89	51.44
		<i>For Work In Restricted Working Space, Add</i>	30.87	
23 22 16 00-0098	EA	2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,046.24	77.14
		<i>For Work In Restricted Working Space, Add</i>	46.31	
23 22 16 00-0099	EA	3/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	330.87	28.94
		<i>For Work In Restricted Working Space, Add</i>	17.36	
23 22 16 00-0100	EA	1" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	359.55	30.84
		<i>For Work In Restricted Working Space, Add</i>	18.52	
23 22 16 00-0101	EA	1-1/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	470.41	42.09
		<i>For Work In Restricted Working Space, Add</i>	25.26	
23 22 16 00-0102	EA	1-1/2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	675.26	51.40
		<i>For Work In Restricted Working Space, Add</i>	30.87	
23 22 16 00-0103	EA	2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,150.17	77.17
		<i>For Work In Restricted Working Space, Add</i>	46.31	
23 22 16 00-0104	EA	3/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	428.60	28.94
		<i>For Work In Restricted Working Space, Add</i>	17.36	
23 22 16 00-0105	EA	1" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	477.44	30.86
		<i>For Work In Restricted Working Space, Add</i>	18.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0106 EA 1-1/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	726.36 25.26	42.09
23 22 16 00-0107 EA 1-1/2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	745.07 30.87	51.40
23 22 16 00-0108 EA 2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	1,443.32 46.31	77.17
23 22 16 00-0109 EA 3/4" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	434.80 17.36	28.94
23 22 16 00-0110 EA 1" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	477.44 18.52	30.86
23 22 16 00-0111 EA 1-1/4" 150 PSI Max Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	726.36 25.26	42.09
23 22 16 00-0112 EA 1-1/2" 150 PSI Max Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	745.07 30.87	51.40
23 22 16 00-0113 EA 2" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	1,443.32 46.31	77.17
23 22 16 00-0114 Thermostatic Steam Traps <small>(23 22 16 00-0085)</small>		
23 22 16 00-0115 EA 1/2" 25 PSI Maximum Pressure Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	127.53 16.67	27.78
23 22 16 00-0116 EA 3/4" 25 PSI Maximum Pressure Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	211.43 17.36	28.94
23 22 16 00-0117 EA 1" 25 PSI Maximum Pressure Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	260.63 18.52	30.84
23 22 16 00-0118 Thermodynamic Steam Traps <small>(23 22 16 00-0085)</small>		
23 22 16 00-0119 EA 3/8" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	278.16	25.01
23 22 16 00-0120 EA 1/2" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	393.72	27.78
23 22 16 00-0121 EA 3/4" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	487.53	28.94
23 22 16 00-0122 EA 1" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	652.71	30.84
23 22 16 00-0123 Steam Moisture Separator <small>(23 22 16 00-0085)</small>		
23 22 16 00-0124 EA 1/2" Steam Moisture Separator, Threaded Spirax Sarco S1.....	582.92	46.30
23 22 16 00-0125 EA 3/4" Steam Moisture Separator, Threaded Spirax Sarco S1.....	637.72	62.51
23 22 16 00-0126 EA 1" Steam Moisture Separator, Threaded.....	767.65	70.38
23 22 16 00-0127 EA 1-1/2" Steam Moisture Separator, Threaded.....	941.55	80.57
23 22 16 00-0128 EA 2" Steam Moisture Separator, Flanged.....	1,360.15	123.44
23 22 16 00-0129 EA 2-1/2" Steam Moisture Separator, Flanged.....	774.96	134.28
23 22 16 00-0130 EA 3" Steam Moisture Separator, Flanged.....	1,018.69	157.44
23 22 16 00-0131 EA 4" Steam Moisture Separator, Flanged.....	1,680.39	263.94
23 22 16 00-0132 EA 6" Steam Moisture Separator, Flanged.....	3,397.38	333.39
23 22 16 00-0133 Steam/Condensate Meter <small>(23 22 16)</small>		
Note: Meter shall be of the rotary volumetric type and sized on the maximum estimated steam demand.		
23 22 16 00-0134 EA 1" Steam/Condensate Meter.....	3,538.82	52.77
<i>For Steam Meter Pressure-Compensated Counter, Add</i>	1,220.00	
<i>For Contactor Used For Dial Counter, Add</i>	567.00	
<i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i>	905.00	
<i>For Direct Reading Pressure Gauge, Add</i>	79.82	
<i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	64.52	
23 22 16 00-0135 EA 2" Steam/Condensate Meter.....	3,994.03	62.01
<i>For Steam Meter Pressure-Compensated Counter, Add</i>	1,220.00	
<i>For Contactor Used For Dial Counter, Add</i>	567.00	
<i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i>	905.00	
<i>For Direct Reading Pressure Gauge, Add</i>	79.82	
<i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	64.52	
23 22 16 00-0136 EA 2-1/2" Steam/Condensate Meter.....	4,242.32	76.96
<i>For Steam Meter Pressure-Compensated Counter, Add</i>	1,220.00	
<i>For Contactor Used For Dial Counter, Add</i>	567.00	
<i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i>	905.00	
<i>For Direct Reading Pressure Gauge, Add</i>	79.82	
<i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	64.52	
23 22 16 00-0137 EA 3" Steam/Condensate Meter.....	4,509.06	101.15
<i>For Steam Meter Pressure-Compensated Counter, Add</i>	1,220.00	
<i>For Contactor Used For Dial Counter, Add</i>	567.00	
<i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i>	905.00	
<i>For Direct Reading Pressure Gauge, Add</i>	79.82	
<i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	64.52	
23 22 16 00-0138 EA 4" Steam/Condensate Meter.....	5,030.37	119.18
<i>For Steam Meter Pressure-Compensated Counter, Add</i>	1,220.00	
<i>For Contactor Used For Dial Counter, Add</i>	567.00	
<i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i>	905.00	
<i>For Direct Reading Pressure Gauge, Add</i>	79.82	
<i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	64.52	
23 22 16 00-0139 EA 6" Steam/Condensate Meter.....	9,779.09	734.44
<i>For Steam Meter Pressure-Compensated Counter, Add</i>	1,220.00	
<i>For Contactor Used For Dial Counter, Add</i>	567.00	
<i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i>	905.00	
<i>For Direct Reading Pressure Gauge, Add</i>	79.82	
<i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	64.52	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 22 Steam And Condensate Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0140 EA 8" Steam/Condensate Meter..... For Steam Meter Pressure-Compensated Counter, Add For Contactor Used For Dial Counter, Add For Wall Or Panel Mounted Remote Totalizer With Contactor, Add For Direct Reading Pressure Gauge, Add For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	10,098.02 1,220.00 567.00 905.00 79.82 64.52	778.68
23 22 16 00-0141 EA 10" Steam/Condensate Meter..... For Steam Meter Pressure-Compensated Counter, Add For Contactor Used For Dial Counter, Add For Wall Or Panel Mounted Remote Totalizer With Contactor, Add For Direct Reading Pressure Gauge, Add For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	10,495.90 1,220.00 567.00 905.00 79.82 64.52	813.78
23 22 16 00-0142 EA 12" Steam/Condensate Meter..... For Steam Meter Pressure-Compensated Counter, Add For Contactor Used For Dial Counter, Add For Wall Or Panel Mounted Remote Totalizer With Contactor, Add For Direct Reading Pressure Gauge, Add For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	10,952.89 1,220.00 567.00 905.00 79.82 64.52	866.38
23 22 16 00-0143 EA 14" Steam/Condensate Meter..... For Steam Meter Pressure-Compensated Counter, Add For Contactor Used For Dial Counter, Add For Wall Or Panel Mounted Remote Totalizer With Contactor, Add For Direct Reading Pressure Gauge, Add For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	11,636.52 1,220.00 567.00 905.00 79.82 64.52	941.32
23 22 16 00-0144 EA 16" Steam/Condensate Meter..... For Steam Meter Pressure-Compensated Counter, Add For Contactor Used For Dial Counter, Add For Wall Or Panel Mounted Remote Totalizer With Contactor, Add For Direct Reading Pressure Gauge, Add For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	12,010.03 1,220.00 567.00 905.00 79.82 64.52	976.42
23 22 23 Steam Condensate Pumps (23 22)		
23 22 23 13 Electric-Driven Steam Condensate Pumps (23 22 23)		
23 22 23 13-0001 Simplex Condensate Pumps And Motors (23 22 23 13) Note: Cast iron receiver, float switch.		
23 22 23 13-0002 20 PSI Discharge Pressure (23 22 23 13-0001)		
23 22 23 13-0003 EA 3 To 6 GPM Simplex Condensate Pump And 1/3 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	1,854.04	433.95
23 22 23 13-0004 EA 9 To 12 GPM Simplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,409.35	445.88
23 22 23 13-0005 EA 15 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,517.47	475.72
23 22 23 13-0006 EA 22.5 GPM Simplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,782.96	480.84
23 22 23 13-0007 EA 30 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,113.20	523.46
23 22 23 13-0008 EA 37.5 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,637.09	523.46
23 22 23 13-0009 EA 45 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,707.04	559.27
23 22 23 13-0010 EA 60 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,765.76	584.84
23 22 23 13-0011 EA 75 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,819.86	610.42
23 22 23 13-0012 30 PSI Discharge Pressure (23 22 23 13-0001)		
23 22 23 13-0013 EA 3 To 6 GPM Simplex Condensate Pump And 1/2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	2,136.45	463.78
23 22 23 13-0014 EA 9 To 12 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	2,815.23	475.72
23 22 23 13-0015 EA 15 GPM Simplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	2,920.23	507.26
23 22 23 13-0016 EA 22.5 GPM Simplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,386.37	548.18
23 22 23 13-0017 EA 30 To 37.5 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,707.04	560.12
23 22 23 13-0018 EA 45 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,836.12	579.73
23 22 23 13-0019 EA 60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,979.84	610.42
23 22 23 13-0020 EA 75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,791.18	649.63
23 22 23 13-0021 40 PSI Discharge Pressure (23 22 23 13-0001)		
23 22 23 13-0022 EA 3 To 6 GPM Simplex Condensate Pump And 1 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	2,377.96	531.98
23 22 23 13-0023 EA 9 To 15 GPM Simplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	3,038.58	574.61



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0024 EA 22.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	3,575.99	567.79
23 22 23 13-0025 EA 30 To 37.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,811.91	579.73
23 22 23 13-0026 EA 45 GPM Simplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,910.80	604.45
23 22 23 13-0027 EA 60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,819.86	610.42
23 22 23 13-0028 EA 75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,894.06	649.63
23 22 23 13-0029 50 PSI Discharge Pressure <small>(23 22 23 13-0001)</small>		
23 22 23 13-0030 EA 3 To 6 GPM Simplex Condensate Pump And 2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,583.73	576.32
23 22 23 13-0031 EA 9 To 15 GPM Simplex Condensate Pump And 2 HP Motor With 13.6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	3,278.66	588.25
23 22 23 13-0032 EA 22.5 GPM Simplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	3,787.44	592.52
23 22 23 13-0033 EA 30 To 45 GPM Simplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,983.78	644.52
23 22 23 13-0034 EA 60 To 75 GPM Simplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	7,940.06	694.82
23 22 23 13-0035 Duplex Condensate Pumps And Motors <small>(23 22 23 13)</small>		
Note: Cast iron receiver, float switch, alternator assembly.		
23 22 23 13-0036 20 PSI Discharge Pressure <small>(23 22 23 13-0035)</small>		
23 22 23 13-0037 EA 9 To 12 GPM Duplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,091.36	582.29
23 22 23 13-0038 EA 15 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,270.67	639.41
23 22 23 13-0039 EA 22.5 GPM Duplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,586.98	644.52
23 22 23 13-0040 EA 30 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,012.50	702.49
23 22 23 13-0041 EA 37.5 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,657.44	702.49
23 22 23 13-0042 EA 45 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,755.86	757.06
23 22 23 13-0043 EA 60 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	6,843.13	790.30
23 22 23 13-0044 EA 75 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	7,008.09	829.52
23 22 23 13-0045 30 PSI Discharge Pressure <small>(23 22 23 13-0035)</small>		
23 22 23 13-0046 EA 9 To 12 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,035.89	627.46
23 22 23 13-0047 EA 15 GPM Duplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,218.96	685.44
23 22 23 13-0048 EA 22.5 GPM Duplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,672.45	668.39
23 22 23 13-0049 EA 30 To 37.5 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,755.86	757.06
23 22 23 13-0050 EA 45 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,918.32	785.19
23 22 23 13-0051 EA 60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,766.01	829.52
23 22 23 13-0052 EA 75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	7,097.61	889.20
23 22 23 13-0053 40 PSI Discharge Pressure <small>(23 22 23 13-0035)</small>		
23 22 23 13-0054 EA 9 To 15 GPM Duplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,365.80	740.00
23 22 23 13-0055 EA 22.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,832.49	773.25
23 22 23 13-0056 EA 30 To 37.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,932.85	785.19
23 22 23 13-0057 EA 45 GPM Duplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,099.04	824.41
23 22 23 13-0058 EA 60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	7,009.30	829.52
23 22 23 13-0059 EA 75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	7,126.66	889.20
23 22 23 13-0060 50 PSI Discharge Pressure <small>(23 22 23 13-0035)</small>		
23 22 23 13-0061 EA 9 To 15 GPM Duplex Condensate Pump And 2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,566.73	740.00

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 22 Steam And Condensate Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0062	EA		22.5 GPM Duplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,926.06	813.32
23 22 23 13-0063	EA		30 To 45 GPM Duplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	6,217.60	883.23
23 22 23 13-0064	EA		60 To 75 GPM Duplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	10,946.11	956.55

23 23 Refrigerant Piping (2320)**23 23 13 Refrigerant Piping Valves** (23 23)**23 23 13 00-0001 Ball Valves** (23 23 13)**23 23 13 00-0002 Refrigeration Ball Valves, Sweat, 1400 Series** (23 23 13 00-0001)

23 23 13 00-0003	EA		3/8" Refrigeration Ball Valve, Sweated	36.76	9.55
23 23 13 00-0004	EA		1/2" Refrigeration Ball Valve, Sweated	38.30	9.55
23 23 13 00-0005	EA		5/8" Refrigeration Ball Valve, Sweated	49.22	9.55
23 23 13 00-0006	EA		7/8" Refrigeration Ball Valve, Sweated	65.96	10.51
23 23 13 00-0007	EA		1-1/8" Refrigeration Ball Valve, Sweated	90.76	11.95
23 23 13 00-0008	EA		1-5/8" Refrigeration Ball Valve, Sweated	146.09	14.71

23 23 13 00-0009 Shut-Off Valves (23 23 13)**23 23 13 00-0010 Packless** (23 23 13 00-0009)

23 23 13 00-0011	EA		1/2" Refrigeration Valve, Packless	44.44	9.63
23 23 13 00-0012	EA		5/8" Refrigeration Valve, Packless	55.02	10.56
23 23 13 00-0013	EA		7/8" Refrigeration Valve, Packless	110.24	14.45

23 23 13 00-0014 Packed (23 23 13 00-0009)

23 23 13 00-0015	EA		1-1/8" Refrigeration Valve, Packed	194.18	21.02
23 23 13 00-0016	EA		1 3/8" Refrigeration Valve, Packed	258.73	25.74
23 23 13 00-0017	EA		1-5/8" Refrigeration Valve, Packed	314.32	28.98
23 23 13 00-0018	EA		2-1/8" Refrigeration Valve, Packed	446.12	33.06
23 23 13 00-0019	EA		2-5/8" Refrigeration Valve, Packed	753.79	92.61
23 23 13 00-0020	EA		3-1/8" Refrigeration Valve, Packed	987.08	115.76
23 23 13 00-0021	EA		4-1/8" Refrigeration Valve, Packed	1,399.96	154.38

23 23 13 00-0022 Check Valves (23 23 13)

23 23 13 00-0023	EA		5/8" Check Valve, Refrigeration	57.17	9.26
23 23 13 00-0024	EA		7/8" Check Valve, Refrigeration	170.73	10.18
23 23 13 00-0025	EA		1-1/8" Check Valve, Refrigeration	198.39	11.57
23 23 13 00-0026	EA		1 3/8" Check Valve, Refrigeration	266.47	12.32
23 23 13 00-0027	EA		1-5/8" Check Valve, Refrigeration	349.01	14.26
23 23 13 00-0028	EA		2-1/8" Check Valve, Refrigeration	513.64	16.86
23 23 13 00-0029	EA		2-5/8" Check Valve, Refrigeration	719.38	24.73
23 23 13 00-0030	EA		3-1/8" Check Valve, Refrigeration	948.02	32.41

23 23 13 00-0031 Solenoid Valves (23 23 13)**23 23 13 00-0032 Solenoid Valve, 24 Volt Coil** (23 23 13 00-0031)

23 23 13 00-0033	EA		1/2" Solenoid Valve, Refrigeration	195.61	9.26
23 23 13 00-0034	EA		5/8" Solenoid Valve, Refrigeration	200.43	9.26
23 23 13 00-0035	EA		3/4" Solenoid Valve, Refrigeration	247.26	10.18
23 23 13 00-0036	EA		7/8" Solenoid Valve, Refrigeration	247.26	10.18
23 23 13 00-0037	EA		1-1/8" Solenoid Valve, Refrigeration	347.41	11.57
23 23 13 00-0038	EA		1 3/8" Solenoid Valve, Refrigeration	560.30	12.32
23 23 13 00-0039	EA		1-5/8" Solenoid Valve, Refrigeration	1,038.24	14.26
23 23 13 00-0040	EA		2-1/8" Solenoid Valve, Refrigeration	1,051.19	16.86

23 23 16 Refrigerant Piping Specialties (23 23)**23 23 16 00-0001 Soft Refrigeration Copper Tubing** (23 23 16)

Note: Based on outside diameter. Nitrogenized.

23 23 16 00-0002	LF		1/8" Outside Diameter Soft Refrigeration Copper Tubing	4.04	2.50
23 23 16 00-0003	LF		3/16" Outside Diameter Soft Refrigeration Copper Tubing	4.10	2.50
23 23 16 00-0004	LF		1/4" Outside Diameter Soft Refrigeration Copper Tubing	4.16	2.50
23 23 16 00-0005	LF		5/16" Outside Diameter Soft Refrigeration Copper Tubing	4.40	2.50
23 23 16 00-0006	LF		3/8" Outside Diameter Soft Refrigeration Copper Tubing	4.52	2.60
23 23 16 00-0007	LF		1/2" Outside Diameter Soft Refrigeration Copper Tubing	5.11	2.78
23 23 16 00-0008	LF		5/8" Outside Diameter Soft Refrigeration Copper Tubing	5.42	2.78
23 23 16 00-0009	LF		3/4" Outside Diameter Soft Refrigeration Copper Tubing	6.32	3.24
23 23 16 00-0010	LF		7/8" Outside Diameter Soft Refrigeration Copper Tubing	7.43	3.42
23 23 16 00-0011	LF		1-1/8" Outside Diameter Soft Refrigeration Copper Tubing	9.47	4.17
23 23 16 00-0012	LF		1-3/8" Outside Diameter Soft Refrigeration Copper Tubing	12.86	4.82
23 23 16 00-0013	LF		1-5/8" Outside Diameter Soft Refrigeration Copper Tubing	14.84	5.18



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0014 Type L Drawn, ACR Copper Tubing (23 23 16)		
Note: Nitrogenized.		
23 23 16 00-0015 LF 3/8" Outside Diameter Type L Drawn, ACR Copper Tubing For Medical Applications "Oxygen Clean", Add	4.86 0.45	2.68
23 23 16 00-0016 LF 1/2" Outside Diameter Type L Drawn, ACR Copper Tubing For Medical Applications "Oxygen Clean", Add	5.27 0.47	2.68
23 23 16 00-0017 LF 5/8" Outside Diameter Type L Drawn, ACR Copper Tubing For Medical Applications "Oxygen Clean", Add	5.54 0.48	2.68
23 23 16 00-0018 LF 3/4" Outside Diameter Type L Drawn, ACR Copper Tubing For Medical Applications "Oxygen Clean", Add	7.85 0.68	3.89
23 23 16 00-0019 LF 7/8" Outside Diameter Type L Drawn, ACR Copper Tubing For Medical Applications "Oxygen Clean", Add	8.55 0.74	4.17
23 23 16 00-0020 LF 1-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing For Medical Applications "Oxygen Clean", Add	9.58 0.79	4.17
23 23 16 00-0021 LF 1-3/8" Outside Diameter Type L Drawn, ACR Copper Tubing For Medical Applications "Oxygen Clean", Add	11.74 0.95	4.82
23 23 16 00-0022 LF 1-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing For Medical Applications "Oxygen Clean", Add	14.03 1.12	5.55
23 23 16 00-0023 LF 2-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing For Medical Applications "Oxygen Clean", Add	19.37 1.49	6.94
23 23 16 00-0024 LF 2-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing For Medical Applications "Oxygen Clean", Add	29.09 2.24	10.47
23 23 16 00-0025 LF 3-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing For Medical Applications "Oxygen Clean", Add	37.31 2.84	12.96
23 23 16 00-0026 LF 3-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing For Medical Applications "Oxygen Clean", Add	47.20 3.55	15.86
23 23 16 00-0027 LF 4-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing For Medical Applications "Oxygen Clean", Add	57.15 4.25	18.53
23 23 16 00-0028 Refrigeration Fittings (23 23 16)		
23 23 16 00-0029 Brass Flare Fittings (23 23 16 00-0028)		
23 23 16 00-0030 Brass Flare Unions (23 23 16 00-0029)		
23 23 16 00-0031 EA 3/8" Brass Flare Union.....	18.69	10.32
23 23 16 00-0032 EA 1/2" Brass Flare Union.....	18.69	10.32
23 23 16 00-0033 EA 5/8" Brass Flare Union.....	19.53	10.32
23 23 16 00-0034 90 Degree Elbow Brass Flare Unions (23 23 16 00-0029)		
23 23 16 00-0035 EA 3/8" 90 Degree Brass Flare Elbow Union	19.20	10.32
23 23 16 00-0036 EA 1/2" 90 Degree Brass Flare Elbow Union	19.20	10.32
23 23 16 00-0037 EA 5/8" 90 Degree Brass Flare Elbow Union	22.03	10.32
23 23 16 00-0038 Brass Flare Tees (23 23 16 00-0029)		
23 23 16 00-0039 EA 3/8" Brass Flare Tee.....	30.65	17.20
23 23 16 00-0040 EA 1/2" Brass Flare Tee.....	31.91	17.20
23 23 16 00-0041 EA 5/8" Brass Flare Tee.....	38.77	17.20
23 23 16 00-0042 Male Connector, Half Brass Flare Unions (23 23 16 00-0029)		
23 23 16 00-0043 EA 3/8" Brass Flare Male Connector, Half Union	16.37	10.32
23 23 16 00-0044 EA 1/2" Brass Flare Male Connector, Half Union	17.22	10.32
23 23 16 00-0045 EA 5/8" Brass Flare Male Connector, Half Union	18.42	10.32
23 23 16 00-0046 Female Connector, Half Brass Flare Unions (23 23 16 00-0029)		
23 23 16 00-0047 EA 3/8" Brass Flare Female Connector, Half Union	17.46	10.32
23 23 16 00-0048 EA 1/2" Brass Flare Female Connector, Half Union	18.60	10.32
23 23 16 00-0049 EA 5/8" Brass Flare Female Connector, Half Union	18.60	10.32
23 23 16 00-0050 Long Forged Nuts (23 23 16 00-0029)		
23 23 16 00-0051 EA 3/8" Brass Long Forged Nut	16.89	10.32
23 23 16 00-0052 EA 1/2" Brass Long Forged Nut	17.22	10.32
23 23 16 00-0053 EA 5/8" Brass Long Forged Nut	20.89	10.32
23 23 16 00-0054 Short Forged Nuts (23 23 16 00-0029)		
23 23 16 00-0055 EA 3/8" Brass Short Forged Nut.....	16.41	10.32
23 23 16 00-0056 EA 1/2" Brass Short Forged Nut.....	17.17	10.32
23 23 16 00-0057 EA 5/8" Brass Short Forged Nut.....	17.33	10.32
23 23 16 00-0058 ACR Wrought Copper Fittings (23 23 16 00-0028)		
Note: Soldered.		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 23 Refrigerant Piping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 23 16 00-0059	ACR Wrought Copper Coupling (23 23 16 00-0058)		
	Note: C x C		
23 23 16 00-0060	EA 1/4" ACR Wrought Copper Coupling.....	16.18	10.32
23 23 16 00-0061	EA 3/8" ACR Wrought Copper Coupling.....	16.04	10.32
23 23 16 00-0062	EA 1/2" ACR Wrought Copper Coupling.....	16.24	10.32
23 23 16 00-0063	EA 5/8" ACR Wrought Copper Coupling.....	16.40	10.47
23 23 16 00-0064	EA 3/4" ACR Wrought Copper Coupling.....	22.55	13.80
23 23 16 00-0065	EA 7/8" ACR Wrought Copper Coupling.....	22.59	14.17
23 23 16 00-0066	EA 1-1/8" ACR Wrought Copper Coupling.....	29.11	17.60
23 23 16 00-0067	EA 1-3/8" ACR Wrought Copper Coupling.....	40.95	24.08
23 23 16 00-0068	EA 1-5/8" ACR Wrought Copper Coupling.....	48.79	28.25
23 23 16 00-0069	EA 2-1/8" ACR Wrought Copper Coupling.....	62.00	34.26
23 23 16 00-0070	EA 2-5/8" ACR Wrought Copper Coupling.....	102.04	52.05
23 23 16 00-0071	EA 3-1/8" ACR Wrought Copper Coupling.....	135.37	68.44
23 23 16 00-0072	EA 4-1/8" ACR Wrought Copper Coupling.....	196.35	81.31
23 23 16 00-0073	ACR Wrought Copper Short Radius 90 Degree Elbows (23 23 16 00-0058)		
	Note: C x C		
23 23 16 00-0074	EA 1/4" ACR Wrought Copper Short Radius 90 Degree Elbow.....	17.99	10.32
23 23 16 00-0075	EA 3/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	18.12	10.32
23 23 16 00-0076	EA 1/2" ACR Wrought Copper Short Radius 90 Degree Elbow.....	17.99	10.32
23 23 16 00-0077	EA 5/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	18.76	10.47
23 23 16 00-0078	EA 3/4" ACR Wrought Copper Short Radius 90 Degree Elbow.....	26.25	13.80
23 23 16 00-0079	EA 7/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	26.69	14.17
23 23 16 00-0080	EA 1-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	33.68	17.60
23 23 16 00-0081	EA 1 3/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	43.59	24.08
23 23 16 00-0082	EA 1-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	54.05	28.25
23 23 16 00-0083	EA 2-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	72.56	34.26
23 23 16 00-0084	EA 2-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	120.50	52.05
23 23 16 00-0085	EA 3-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	156.04	68.44
23 23 16 00-0086	EA 4-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	258.59	81.31
23 23 16 00-0087	ACR Wrought Copper Long Radius 90 Degree Elbows (23 23 16 00-0058)		
	Note: C x C		
23 23 16 00-0088	EA 1/4" ACR Wrought Copper Long Radius 90 Degree Elbow.....	20.25	10.32
23 23 16 00-0089	EA 3/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	19.06	10.32
23 23 16 00-0090	EA 1/2" ACR Wrought Copper Long Radius 90 Degree Elbow.....	20.01	10.32
23 23 16 00-0091	EA 5/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	19.85	10.47
23 23 16 00-0092	EA 3/4" ACR Wrought Copper Long Radius 90 Degree Elbow.....	24.92	13.80
23 23 16 00-0093	EA 7/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	26.55	14.17
23 23 16 00-0094	EA 1-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	34.94	17.60
23 23 16 00-0095	EA 1-3/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	50.05	24.08
23 23 16 00-0096	EA 1-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	61.10	28.25
23 23 16 00-0097	EA 2-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	100.54	34.26
23 23 16 00-0098	EA 2-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	155.92	52.05
23 23 16 00-0099	EA 3-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	205.81	68.44
23 23 16 00-0100	EA 4-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	398.29	81.31
23 23 16 00-0101	ACR Wrought Copper 45 Degree Elbow (23 23 16 00-0058)		
	Note: C x C		
23 23 16 00-0102	EA 1/4" ACR Wrought Copper 45 Degree Elbow.....	21.90	10.32
23 23 16 00-0103	EA 3/8" ACR Wrought Copper 45 Degree Elbow.....	20.25	10.32
23 23 16 00-0104	EA 1/2" ACR Wrought Copper 45 Degree Elbow.....	19.55	10.32
23 23 16 00-0105	EA 5/8" ACR Wrought Copper 45 Degree Elbow.....	17.39	10.47
23 23 16 00-0106	EA 3/4" ACR Wrought Copper 45 Degree Elbow.....	28.00	13.80
23 23 16 00-0107	EA 7/8" ACR Wrought Copper 45 Degree Elbow.....	24.13	14.17
23 23 16 00-0108	EA 1-1/8" ACR Wrought Copper 45 Degree Elbow.....	33.67	17.60
23 23 16 00-0109	EA 1-3/8" ACR Wrought Copper 45 Degree Elbow.....	45.91	24.08
23 23 16 00-0110	EA 1-5/8" ACR Wrought Copper 45 Degree Elbow.....	54.20	28.25
23 23 16 00-0111	EA 2-1/8" ACR Wrought Copper 45 Degree Elbow.....	71.03	34.26
23 23 16 00-0112	EA 2-5/8" ACR Wrought Copper 45 Degree Elbow.....	119.99	52.05
23 23 16 00-0113	EA 3-1/8" ACR Wrought Copper 45 Degree Elbow.....	161.23	68.44
23 23 16 00-0114	EA 4-1/8" ACR Wrought Copper 45 Degree Elbow.....	246.73	81.31
23 23 16 00-0115	ACR Wrought Copper Tee (23 23 16 00-0058)		
	Note: C x C x C		
23 23 16 00-0116	EA 1/4" ACR Wrought Copper Tee.....	30.97	17.20
23 23 16 00-0117	EA 3/8" ACR Wrought Copper Tee.....	31.26	17.20
23 23 16 00-0118	EA 1/2" ACR Wrought Copper Tee.....	30.18	17.20
23 23 16 00-0119	EA 5/8" ACR Wrought Copper Tee.....	33.00	21.02
23 23 16 00-0120	EA 3/4" ACR Wrought Copper Tee.....	41.42	21.02
23 23 16 00-0121	EA 7/8" ACR Wrought Copper Tee.....	35.67	21.30
23 23 16 00-0122	EA 1-1/8" ACR Wrought Copper Tee.....	53.94	28.25
23 23 16 00-0123	EA 1-3/8" ACR Wrought Copper Tee.....	66.94	34.26
23 23 16 00-0124	EA 1-5/8" ACR Wrought Copper Tee.....	85.01	40.65
23 23 16 00-0125	EA 2-1/8" ACR Wrought Copper Tee.....	118.80	54.18
23 23 16 00-0126	EA 2-5/8" ACR Wrought Copper Tee.....	253.04	118.26



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 23 16 00-0127	EA 3-1/8" ACR Wrought Copper Tee	303.69	130.03
	23 23 16 00-0128	EA 4-1/8" ACR Wrought Copper Tee	479.79	144.47
23 23 16 00-0129 ACR Wrought Copper Male Adapter (23 23 16 00-0058)				
Note: C x M				
	23 23 16 00-0130	EA 1/4" ACR Wrought Copper Male Adapter	23.54	10.32
	23 23 16 00-0131	EA 3/8" ACR Wrought Copper Male Adapter	26.17	10.32
	23 23 16 00-0132	EA 1/2" ACR Wrought Copper Male Adapter	21.79	10.32
23 23 16 00-0133 ACR Wrought Copper Female Adapter (23 23 16 00-0058)				
Note: C x F				
	23 23 16 00-0134	EA 1/4" ACR Wrought Copper Female Adapter	22.50	10.32
	23 23 16 00-0135	EA 3/8" ACR Wrought Copper Female Adapter	20.99	10.32
	23 23 16 00-0136	EA 1/2" ACR Wrought Copper Female Adapter	21.56	10.32
23 23 16 00-0137 ACR Wrought Copper Cap (23 23 16 00-0058)				
Note: C				
	23 23 16 00-0138	EA 1/4" ACR Wrought Copper Cap	11.55	6.88
	23 23 16 00-0139	EA 3/8" ACR Wrought Copper Cap	11.07	6.88
	23 23 16 00-0140	EA 1/2" ACR Wrought Copper Cap	11.54	6.88
23 23 16 00-0141 ACR Wrought Copper P-Trap (23 23 16 00-0058)				
	23 23 16 00-0142	EA 5/8" ACR Wrought Copper P-Trap	58.93	8.53
	23 23 16 00-0143	EA 3/4" ACR Wrought Copper P-Trap	77.83	9.37
	23 23 16 00-0144	EA 7/8" ACR Wrought Copper P-Trap	71.03	9.37
	23 23 16 00-0145	EA 1-1/8" ACR Wrought Copper P-Trap	93.61	10.23
	23 23 16 00-0146	EA 1-3/8" ACR Wrought Copper P-Trap	160.74	10.23
	23 23 16 00-0147	EA 1-5/8" ACR Wrought Copper P-Trap	221.10	11.09
	23 23 16 00-0148	EA 2-1/8" ACR Wrought Copper P-Trap	380.49	11.93
23 23 16 00-0149 Sight Glass With Moisture And Liquid Indicator, Solder Connection (23 23 16)				
	23 23 16 00-0150	EA 1/4" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	41.20	12.79
	23 23 16 00-0151	EA 3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	49.80	15.34
	23 23 16 00-0152	EA 1/2" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	59.85	18.76
	23 23 16 00-0153	EA 5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	66.33	21.32
	23 23 16 00-0154	EA 7/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	88.29	27.29
	23 23 16 00-0155	EA 1-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	103.22	33.25
	23 23 16 00-0156	EA 1-3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	152.72	39.22
	23 23 16 00-0157	EA 1-5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	191.38	53.71
	23 23 16 00-0158	EA 2-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	235.61	66.49
23 23 16 00-0159 Filter Driers, Solder Connections (23 23 16)				
23 23 16 00-0160 Replaceable Core Type Filter Driers, Solder Connections (23 23 16 00-0159)				
	23 23 16 00-0161	EA 5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	324.11	7.67
	23 23 16 00-0162	EA 7/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	334.21	9.37
	23 23 16 00-0163	EA 1-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	428.67	9.37
	23 23 16 00-0164	EA 1-3/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	435.39	10.23
	23 23 16 00-0165	EA 1-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	491.71	11.09
	23 23 16 00-0166	EA 2-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	566.19	11.93
	23 23 16 00-0167	EA 2-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	664.14	12.79
	23 23 16 00-0168	EA 3-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	829.30	12.79
23 23 16 00-0169 Sealed In-Line Filter Driers, Solder Connections (23 23 16 00-0159)				
	23 23 16 00-0170	EA 1/4" Outside Diameter, 1/4 To 1 Ton, Sealed In-Line Filter Drier, Solder Connections	64.30	7.67
	23 23 16 00-0171	EA 3/8" Outside Diameter, 1/2 To 2 Ton, Sealed In-Line Filter Drier, Solder Connections	82.19	7.67
	23 23 16 00-0172	EA 1/2" Outside Diameter, 1 To 7 Ton, Sealed In-Line Filter Drier, Solder Connections	104.38	8.53
	23 23 16 00-0173	EA 1/2" Outside Diameter, 2 To 7-1/2 Ton, Sealed In-Line Filter Drier, Solder Connections	119.69	8.53
	23 23 16 00-0174	EA 5/8" Outside Diameter, 2 To 10 Ton, Sealed In-Line Filter Drier, Solder Connections	132.33	8.53
	23 23 16 00-0175	EA 5/8" Outside Diameter, 4 To 8 Ton, Sealed In-Line Filter Drier, Solder Connections	147.97	8.53
	23 23 16 00-0176	EA 7/8" Outside Diameter, 5 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections	167.08	9.37
	23 23 16 00-0177	EA 7/8" Outside Diameter, 7-1/2 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections	229.10	9.37
	23 23 16 00-0178	EA 1-1/8" Outside Diameter, 15 To 25 Ton, Sealed In-Line Filter Drier, Solder Connections	252.14	9.37
23 23 16 00-0179 Bi-Flow Filter Driers, Solder Connections (23 23 16 00-0159)				
	23 23 16 00-0180	EA 1/4" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	83.72	7.67
	23 23 16 00-0181	EA 3/8" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	96.01	7.67
	23 23 16 00-0182	EA 1/2" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	115.69	8.53
	23 23 16 00-0183	EA 3/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	101.50	7.67
	23 23 16 00-0184	EA 1/2" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	127.00	8.53
	23 23 16 00-0185	EA 5/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	149.92	8.53

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 23 Refrigerant Piping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0186			Refrigerant Compressor Discharge Mufflers ^(23 23 16)		
23 23 16 00-0187	EA		3/8" Outside Diameter, 2 Ton, Refrigerant Compressor Discharge Muffler.....	78.81	7.67
23 23 16 00-0188	EA		1/2" Outside Diameter, 3 Ton, Refrigerant Compressor Discharge Muffler.....	87.14	7.67
23 23 16 00-0189	EA		5/8" Outside Diameter, 5 Ton, Refrigerant Compressor Discharge Muffler.....	104.59	7.67
23 23 16 00-0190	EA		7/8" Outside Diameter, 7-1/2 To 10 Ton, Refrigerant Compressor Discharge Muffler	141.00	9.37
23 23 16 00-0191	EA		1-1/8" Outside Diameter, 10 To 15 Ton, Refrigerant Compressor Discharge Muffler	184.88	9.37
23 23 16 00-0192	EA		1-3/8" Outside Diameter, 15 To 25 Ton, Refrigerant Compressor Discharge Muffler	220.16	10.23
23 23 16 00-0193	EA		1-5/8" Outside Diameter, 25 To 50 Ton, Refrigerant Compressor Discharge Muffler	278.12	11.09
23 23 16 00-0194	EA		2-1/8" Outside Diameter, 50 To 75 Ton, Refrigerant Compressor Discharge Muffler	480.31	11.93
23 23 16 00-0195	EA		2-5/8" Outside Diameter, 75 To 100 Ton, Refrigerant Compressor Discharge Muffler	543.83	12.79
23 23 16 00-0196	EA		3-1/8" Outside Diameter, 100 To 125 Ton, Refrigerant Compressor Discharge Muffler	674.30	12.79
23 23 16 00-0197			Expansion Valves And Vibration Absorbers ^(23 23 16)		
23 23 16 00-0198			Thermostatic Expansion Valves ^(23 23 16 00-0197)		
			Note: Outside diameter pipe sizes. Sporlan TP-S.		
23 23 16 00-0199	EA		3/8" In x 5/8" Out, 1/2 To 3 Ton, Thermostatic Expansion Valve	154.21	7.67
23 23 16 00-0200	EA		1/2" In x 7/8" Out, 4 To 5 Ton, Thermostatic Expansion Valve	214.34	8.53
23 23 16 00-0201	EA		5/8" In x 7/8" Out, 6 To 8 Ton, Thermostatic Expansion Valve	353.34	8.53
23 23 16 00-0202	EA		7/8" In x 1-1/8" Out, 7 To 12 Ton, Thermostatic Expansion Valve	419.45	9.37
23 23 16 00-0203	EA		7/8" In x 1-3/8" Out, 15 To 20 Ton, Thermostatic Expansion Valve	462.07	9.37
23 23 16 00-0204			Electric Expansion Valves ^(23 23 16 00-0197)		
			Note: Sporlan SEI or SEH.		
23 23 16 00-0205	EA		1/2 To 11 Ton Electric Expansion Valve	505.14	10.65
			Note: Sporlan SEI.		
23 23 16 00-0206	EA		25 Ton Electric Expansion Valve	586.65	11.09
			Note: Sporlan SEI.		
23 23 16 00-0207	EA		50 Ton Electric Expansion Valve	668.61	11.51
			Note: Sporlan SEI.		
23 23 16 00-0208	EA		100 Ton Electric Expansion Valve	782.48	11.51
			Note: Sporlan SEH.		
23 23 16 00-0209	EA		175 Ton Electric Expansion Valve	882.13	11.93
			Note: Sporlan SEH.		
23 23 16 00-0210			Braided Stainless Steel Over Copper Vibration Absorber ^(23 23 16 00-0197)		
23 23 16 00-0211	EA		1/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	41.14	11.09
23 23 16 00-0212	EA		3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	42.92	12.79
23 23 16 00-0213	EA		1/2" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	55.12	16.20
23 23 16 00-0214	EA		5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	60.39	19.60
23 23 16 00-0215	EA		3/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	71.63	23.87
23 23 16 00-0216	EA		7/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	82.46	27.29
23 23 16 00-0217	EA		1-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	117.66	10.23
23 23 16 00-0218	EA		1-3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	161.61	11.09
23 23 16 00-0219	EA		1-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	198.80	11.09
23 23 16 00-0220	EA		2-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	265.08	11.93
23 23 16 00-0221	EA		2-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	441.15	12.79
23 23 16 00-0222	EA		3-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	575.15	12.79
23 23 16 00-0223			Accumulator, Refrigerant Suction Line ^(23 23 16)		
23 23 16 00-0224	EA		3/4" Accumulator, Refrigeration Suction Line.....	133.77	38.79
23 23 16 00-0225	EA		7/8" Accumulator, Refrigeration Suction Line.....	181.72	53.28
23 23 16 00-0226	EA		1-1/8" Accumulator, Refrigeration Suction Line	220.74	71.01
23 23 16 00-0227	EA		1 3/8" Accumulator, Refrigeration Suction Line.....	303.03	85.25
23 23 16 00-0228	EA		1-5/8" Accumulator, Refrigeration Suction Line	411.75	106.57
23 23 16 00-0229	EA		2-1/8" Accumulator, Refrigeration Suction Line	615.40	142.12
23 23 16 00-0230			Special Chemicals/Component ^(23 23 16)		
23 23 16 00-0231	GAL		Special Chemical, Inhibited Propylene Glycol, 100%.....	23.41	
23 23 16 00-0232	GAL		Removal And Storage For Reuse Of Inhibited Propylene Glycol.....	6.61	
23 23 16 00-0233	GAL		Special Chemical, Inhibited Ethylene Glycol, 100%.....	16.12	
23 23 16 00-0234	EA		Internal Coil/Refrigerant Piping Flush	218.19	
			Note: Up to 10 ton AC system.		
23 23 23			Refrigerants ^(23 23)		
23 23 23 00-0001			Refrigerant ^(23 23 23)		
23 23 23 00-0002	LB		Refrigerant R-113	24.82	
23 23 23 00-0003	LB		Refrigerant R-123	18.21	
23 23 23 00-0004	LB		Refrigerant R-134A	6.49	
23 23 23 00-0005	LB		Refrigerant R-404A	11.61	
23 23 23 00-0006	LB		Refrigerant R-407C	11.49	
23 23 23 00-0007	LB		Refrigerant R-408A	26.19	
23 23 23 00-0008	LB		Refrigerant R-410A	11.26	
23 23 23 00-0009	LB		Refrigerant R-500	22.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 23 00-0010 LB Refrigerant R-507	7.16	
23 25 HVAC Water Treatment (23 20)		
23 25 13 Water Treatment For Closed-Loop Hydronic Systems (23 25)		
23 25 13 00-0001 Polyethylene Chemical Storage Tanks (23 25 13)		
23 25 13 00-0002 EA 15 Gallon Chemical Storage Tank, Polyethylene.....	221.65	71.22
23 25 13 00-0003 Gas Chlorinator (23 25 13)		
23 25 13 00-0004 EA Gas Chlorinator, Wall Or Cylinder Mounted (10 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....	1,019.10	334.45
<i>For Booster Pump, Add</i>	383.44	
23 25 13 00-0005 EA Gas Chlorinator, Wall Or Cylinder Mounted (25 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....	1,164.17	382.23
<i>For Booster Pump, Add</i>	438.28	
23 25 13 00-0006 EA Gas Chlorinator, Wall Or Cylinder Mounted (50 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....	1,641.84	289.54
<i>For Booster Pump, Add</i>	542.60	
23 25 13 00-0007 Bypass Shot Feeders (23 25 13) Note: Includes up to 4 ports (in, out, fill and drain). Excludes valves.		
23 25 13 00-0008 In Line Mount, 125 PSIG (23 25 13 00-0007)		
23 25 13 00-0009 EA 1.7 Gallon Bypass Shot Chemical Feeder In Line Mount, 125 PSIG.....	876.70	241.26
23 25 13 00-0010 Floor Mount, 175 PSIG (23 25 13 00-0007)		
23 25 13 00-0011 EA 5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG.....	1,284.13	363.18
23 25 13 00-0012 EA 12 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG.....	1,691.59	480.84
23 25 13 00-0013 Floor Mount, 150 LB ASME Code (23 25 13 00-0007)		
23 25 13 00-0014 EA 5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code.....	1,284.13	363.18
23 25 13 00-0015 EA 10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code.....	1,691.59	480.84
23 25 13 00-0016 Floor Mount, 300 LB ASME Code (23 25 13 00-0007)		
23 25 13 00-0017 EA 5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code.....	1,668.84	363.18
23 25 13 00-0018 EA 10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code.....	2,091.06	480.84
23 30 HVAC Air Distribution (23)		
23 31 HVAC Ducts And Casings (23 30)		
Note: Excludes angle iron, threaded rod, anchor bolts or other external supporting devices other than normal sheet metal straps. See CSI section 05 12 23 00-0439 for angle iron, 23 05 29 00-0001 for threaded rod.		
23 31 13 Metal Ducts (23 31)		
23 31 13 13 Rectangular Metal Ducts (23 31 13)		
23 31 13 13-0001 Steel Sheet Metal Duct (23 31 13 13) Note: Includes all fittings, transitions, collars, straps, support straps, fabrication and installation.		
23 31 13 13-0002 Galvanized Steel Sheet Metal Ductwork (23 31 13 13-0001) Note: SMACNA weight for galvanized steel ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.906 LB/SF; 24 gauge - 1.156 LB/SF; 22 gauge - 1.406 LB/SF; 20 gauge - 1.656 LB/SF; 18 gauge - 2.156 LB/SF; 16 gauge - 2.656 LB/SF		
23 31 13 13-0003 LB 2" WG And Less (Class C), Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork.....	7.96	2.64
<i>For Polyvinyl Chloride (PVC) Coated, Add</i>	0.11	
<i>For Up To 200, Add</i>	2.56	
<i>For >200 To 500, Add</i>	1.58	
<i>For >500 To 1,000, Add</i>	1.15	
<i>For >1,000 To 2,000, Add</i>	0.65	
<i>For >2,000 To 5,000, Add</i>	0.31	
<i>For Work In Restricted Working Space, Add</i>	2.22	
<i>For Elevated Installation >10' To 15', Add</i>	0.44	
<i>For Elevated Installation >15' To 20', Add</i>	0.89	
<i>For Elevated Installation >20' To 25', Add</i>	1.11	
<i>For Elevated Installation >25' To 30', Add</i>	1.55	
<i>For Elevated Installation >30' To 35', Add</i>	1.77	
<i>For Elevated Installation >35' To 40', Add</i>	2.22	
<i>For Elevated Installation >40', Add</i>	2.44	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts And Casings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0004 LB 3" WG (Class B), Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork.....	9.08	2.64
For Polyvinyl Chloride (PVC) Coated, Add	0.11	
For Up To 200, Add	2.90	
For >200 To 500, Add	1.78	
For >500 To 1,000, Add	1.31	
For >1,000 To 2,000, Add	0.74	
For >2,000 To 5,000, Add	0.36	
For Work In Restricted Working Space, Add	2.55	
For Elevated Installation >10' To 15', Add	0.51	
For Elevated Installation >15' To 20', Add	1.02	
For Elevated Installation >20' To 25', Add	1.28	
For Elevated Installation >25' To 30', Add	1.79	
For Elevated Installation >30' To 35', Add	2.04	
For Elevated Installation >35' To 40', Add	2.55	
For Elevated Installation >40', Add	2.81	
23 31 13 13-0005 LB 4" Or 6" WG (Class A), Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork.....	10.92	2.64
For Polyvinyl Chloride (PVC) Coated, Add	0.11	
For Up To 200, Add	3.45	
For >200 To 500, Add	2.11	
For >500 To 1,000, Add	1.57	
For >1,000 To 2,000, Add	0.89	
For >2,000 To 5,000, Add	0.43	
For Work In Restricted Working Space, Add	3.11	
For Elevated Installation >10' To 15', Add	0.62	
For Elevated Installation >15' To 20', Add	1.24	
For Elevated Installation >20' To 25', Add	1.55	
For Elevated Installation >25' To 30', Add	2.17	
For Elevated Installation >30' To 35', Add	2.48	
For Elevated Installation >35' To 40', Add	3.11	
For Elevated Installation >40', Add	3.42	
23 31 13 13-0006 Alloy 3003-H14, Aluminum Sheet Metal Ductwork <small>(23 31 13 13-0001)</small>		
Note: SMACNA weight for aluminum ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.224 LB/SF; 24 gauge - 0.282 LB/SF; 22 gauge - 0.352 LB/SF; 20 gauge - 0.451 LB/SF; 18 gauge - 0.563 LB/SF; 16 gauge - 0.718 LB/SF; 14 gauge - 0.901 LB/SF; 12 gauge - 0.141 LB/SF		
23 31 13 13-0007 LB 2" WG And Less (Class C), Alloy 3003-H14, Aluminum Sheet Metal Ductwork	16.39	2.64
For Work In Restricted Working Space, Add	4.38	
For Up To 200, Add	5.45	
For >200 To 500, Add	3.40	
For >500 To 1,000, Add	2.42	
For >1,000 To 2,000, Add	1.36	
For >2,000 To 5,000, Add	0.64	
For Elevated Installation >10' To 15', Add	0.88	
For Elevated Installation >15' To 20', Add	1.75	
For Elevated Installation >20' To 25', Add	2.19	
For Elevated Installation >25' To 30', Add	3.07	
For Elevated Installation >30' To 35', Add	3.51	
For Elevated Installation >35' To 40', Add	4.38	
For Elevated Installation >40', Add	4.82	
23 31 13 13-0008 LB 3" WG (Class B), Alloy 3003-H14, Aluminum Sheet Metal Ductwork	18.58	2.64
For Work In Restricted Working Space, Add	5.04	
For Up To 200, Add	6.11	
For >200 To 500, Add	3.79	
For >500 To 1,000, Add	2.73	
For >1,000 To 2,000, Add	1.54	
For >2,000 To 5,000, Add	0.73	
For Elevated Installation >10' To 15', Add	1.01	
For Elevated Installation >15' To 20', Add	2.02	
For Elevated Installation >20' To 25', Add	2.52	
For Elevated Installation >25' To 30', Add	3.53	
For Elevated Installation >30' To 35', Add	4.03	
For Elevated Installation >35' To 40', Add	5.04	
For Elevated Installation >40', Add	5.54	
23 31 13 13-0009 LB 4" Or 6" WG (Class A), Alloy 3003-H14, Aluminum Sheet Metal Ductwork	22.24	2.64
For Work In Restricted Working Space, Add	6.14	
For Up To 200, Add	7.21	
For >200 To 500, Add	4.45	
For >500 To 1,000, Add	3.24	
For >1,000 To 2,000, Add	1.83	
For >2,000 To 5,000, Add	0.87	
For Elevated Installation >10' To 15', Add	1.23	
For Elevated Installation >15' To 20', Add	2.46	
For Elevated Installation >20' To 25', Add	3.07	
For Elevated Installation >25' To 30', Add	4.30	
For Elevated Installation >30' To 35', Add	4.91	
For Elevated Installation >35' To 40', Add	6.14	
For Elevated Installation >40', Add	6.75	

23 31 13 13-0010 Type 304, Stainless Steel Sheet Metal Ductwork (23 31 13 13-0001)

Note: SMACNA weight for stainless steel ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.748 LB/SF; 24 gauge - 0.987 LB/SF; 22 gauge - 1.231 LB/SF; 20 gauge - 1.491 LB/SF; 18 gauge - 2.016 LB/SF; 16 gauge - 2.499 LB/SF; 14 gauge - 3.154 LB/SF; 12 gauge - 4.427 LB/SF



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0011 LB 2" WG And Less (Class C), Type 304, Stainless Steel Sheet Metal Ductwork	11.49	3.52
For Work In Restricted Working Space, Add	2.69	
For Welded Seams, Add	4.62	
For Up To 200, Add	4.20	
For >200 To 500, Add	2.70	
For >500 To 1,000, Add	1.78	
For >1,000 To 2,000, Add	0.99	
For >2,000 To 5,000, Add	0.43	
For Elevated Installation >10' To 15', Add	0.54	
For Elevated Installation >15' To 20', Add	1.08	
For Elevated Installation >20' To 25', Add	1.35	
For Elevated Installation >25' To 30', Add	1.89	
For Elevated Installation >30' To 35', Add	2.16	
For Elevated Installation >35' To 40', Add	2.69	
For Elevated Installation >40', Add	2.96	
23 31 13 13-0012 LB 3" WG (Class B), Type 304, Stainless Steel Sheet Metal Ductwork	13.34	3.52
For Work In Restricted Working Space, Add	3.25	
For Welded Seams, Add	5.54	
For Up To 200, Add	4.76	
For >200 To 500, Add	3.03	
For >500 To 1,000, Add	2.04	
For >1,000 To 2,000, Add	1.14	
For >2,000 To 5,000, Add	0.51	
For Elevated Installation >10' To 15', Add	0.65	
For Elevated Installation >15' To 20', Add	1.30	
For Elevated Installation >20' To 25', Add	1.62	
For Elevated Installation >25' To 30', Add	2.27	
For Elevated Installation >30' To 35', Add	2.60	
For Elevated Installation >35' To 40', Add	3.25	
For Elevated Installation >40', Add	3.57	
23 31 13 13-0013 LB 4" Or 6" WG (Class A), Type 304, Stainless Steel Sheet Metal Ductwork	15.07	3.52
For Work In Restricted Working Space, Add	3.77	
For Welded Seams, Add	6.41	
For Up To 200, Add	5.27	
For >200 To 500, Add	3.34	
For >500 To 1,000, Add	2.29	
For >1,000 To 2,000, Add	1.28	
For >2,000 To 5,000, Add	0.58	
For Elevated Installation >10' To 15', Add	0.75	
For Elevated Installation >15' To 20', Add	1.51	
For Elevated Installation >20' To 25', Add	1.88	
For Elevated Installation >25' To 30', Add	2.64	
For Elevated Installation >30' To 35', Add	3.01	
For Elevated Installation >35' To 40', Add	3.77	
For Elevated Installation >40', Add	4.14	
23 31 13 13-0014 Galvanized Steel Sheet Metal Ductwork By LF <small>(23 31 13 13-0001)</small>		
Note: Ductwork includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed. For fittings add the following equivalent lengths: 0.75' for duct end cap; 1.5' for tap-in; 2.5' for 45 degree elbows; 3' for 90 degree elbows, transition, taper, register box; 4' for 45 degree reducing elbow, offset, turning vanes installed in elbows; 5' for 90 degree reducing elbow, 135 degree angle gooseneck, boots; and 6' for transition/reducer.		
23 31 13 13-0015 30 Gauge Galvanized Steel Metal Ductwork <small>(23 31 13 13-0014)</small>		
23 31 13 13-0016 LF 4" x 4", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	5.95	2.54
For 3" WG (Class B), Add	0.64	
For 4" Or 6" WG (Class A), Add	1.36	
For 10" WG (Class A), Add	1.95	
For Work In Restricted Working Space, Add	1.27	
23 31 13 13-0017 LF 4" x 6", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	7.43	3.17
For 3" WG (Class B), Add	0.80	
For 4" Or 6" WG (Class A), Add	1.70	
For 10" WG (Class A), Add	2.44	
For Work In Restricted Working Space, Add	1.59	
23 31 13 13-0018 LF 4" x 8", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	8.91	3.82
For 3" WG (Class B), Add	0.95	
For 4" Or 6" WG (Class A), Add	2.03	
For 10" WG (Class A), Add	2.92	
For Work In Restricted Working Space, Add	1.91	
23 31 13 13-0019 LF 4" x 10", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	10.39	4.45
For 3" WG (Class B), Add	1.11	
For 4" Or 6" WG (Class A), Add	2.37	
For 10" WG (Class A), Add	3.41	
For Work In Restricted Working Space, Add	2.22	
23 31 13 13-0020 LF 4" x 12", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	11.89	5.08
For 3" WG (Class B), Add	1.27	
For 4" Or 6" WG (Class A), Add	2.71	
For 10" WG (Class A), Add	3.90	
For Work In Restricted Working Space, Add	2.54	
23 31 13 13-0021 LF 4" x 14", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork	13.36	5.72
For 3" WG (Class B), Add	1.43	
For 4" Or 6" WG (Class A), Add	3.05	
For 10" WG (Class A), Add	4.38	
For Work In Restricted Working Space, Add	2.86	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-0022	LF	4" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	14.83	6.35
			For 3" WG (Class B), Add	1.59	
			For 4" Or 6" WG (Class A), Add	3.39	
			For 10" WG (Class A), Add	4.87	
			For Work In Restricted Working Space, Add	3.17	
23 31	13 13-0023	LF	6" x 8", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	8.91	3.82
			For 3" WG (Class B), Add	0.95	
			For 4" Or 6" WG (Class A), Add	2.03	
			For 10" WG (Class A), Add	2.92	
			For Work In Restricted Working Space, Add	1.91	
23 31	13 13-0024	LF	6" x 8", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	10.39	4.45
			For 3" WG (Class B), Add	1.11	
			For 4" Or 6" WG (Class A), Add	2.37	
			For 10" WG (Class A), Add	3.41	
			For Work In Restricted Working Space, Add	2.22	
23 31	13 13-0025	LF	6" x 10", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	11.89	5.08
			For 3" WG (Class B), Add	1.27	
			For 4" Or 6" WG (Class A), Add	2.71	
			For 10" WG (Class A), Add	3.90	
			For Work In Restricted Working Space, Add	2.54	
23 31	13 13-0026	LF	6" x 12", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	13.36	5.72
			For 3" WG (Class B), Add	1.43	
			For 4" Or 6" WG (Class A), Add	3.05	
			For 10" WG (Class A), Add	4.38	
			For Work In Restricted Working Space, Add	2.86	
23 31	13 13-0027	LF	6" x 14", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	14.83	6.35
			For 3" WG (Class B), Add	1.59	
			For 4" Or 6" WG (Class A), Add	3.39	
			For 10" WG (Class A), Add	4.87	
			For Work In Restricted Working Space, Add	3.17	
23 31	13 13-0028	LF	6" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	16.34	6.99
			For 3" WG (Class B), Add	1.75	
			For 4" Or 6" WG (Class A), Add	3.73	
			For 10" WG (Class A), Add	5.36	
			For Work In Restricted Working Space, Add	3.50	
23 31	13 13-0029	LF	8" x 8", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	11.89	5.08
			For 3" WG (Class B), Add	1.27	
			For 4" Or 6" WG (Class A), Add	2.71	
			For 10" WG (Class A), Add	3.90	
			For Work In Restricted Working Space, Add	2.54	
23 31	13 13-0030	LF	8" x 10", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	13.36	5.72
			For 3" WG (Class B), Add	1.43	
			For 4" Or 6" WG (Class A), Add	3.05	
			For 10" WG (Class A), Add	4.38	
			For Work In Restricted Working Space, Add	2.86	
23 31	13 13-0031	LF	8" x 12", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	14.83	6.35
			For 3" WG (Class B), Add	1.59	
			For 4" Or 6" WG (Class A), Add	3.39	
			For 10" WG (Class A), Add	4.87	
			For Work In Restricted Working Space, Add	3.17	
23 31	13 13-0032	LF	8" x 14", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	16.34	6.99
			For 3" WG (Class B), Add	1.75	
			For 4" Or 6" WG (Class A), Add	3.73	
			For 10" WG (Class A), Add	5.36	
			For Work In Restricted Working Space, Add	3.50	
23 31	13 13-0033	LF	8" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	17.82	7.62
			For 3" WG (Class B), Add	1.91	
			For 4" Or 6" WG (Class A), Add	4.07	
			For 10" WG (Class A), Add	5.85	
			For Work In Restricted Working Space, Add	3.81	
23 31	13 13-0034	LF	8" x 18", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	19.30	8.26
			For 3" WG (Class B), Add	2.06	
			For 4" Or 6" WG (Class A), Add	4.40	
			For 10" WG (Class A), Add	6.33	
			For Work In Restricted Working Space, Add	4.13	
23 31	13 13-0035	LF	8" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	20.78	8.89
			For 3" WG (Class B), Add	2.22	
			For 4" Or 6" WG (Class A), Add	4.74	
			For 10" WG (Class A), Add	6.82	
			For Work In Restricted Working Space, Add	4.45	
23 31	13 13-0036	LF	8" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	22.28	9.52
			For 3" WG (Class B), Add	2.38	
			For 4" Or 6" WG (Class A), Add	5.08	
			For 10" WG (Class A), Add	7.30	
			For Work In Restricted Working Space, Add	4.76	
23 31	13 13-0037	LF	8" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	23.75	10.16
			For 3" WG (Class B), Add	2.54	
			For 4" Or 6" WG (Class A), Add	5.42	
			For 10" WG (Class A), Add	7.79	
			For Work In Restricted Working Space, Add	5.08	
23 31	13 13-0038	LF	10" x 10", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	14.83	6.35
			For 3" WG (Class B), Add	1.59	
			For 4" Or 6" WG (Class A), Add	3.39	
			For 10" WG (Class A), Add	4.87	
			For Work In Restricted Working Space, Add	3.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0039 LF 10" x 12", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	16.34	6.99
<i>For 3" WG (Class B), Add</i>	1.75	
<i>For 4" Or 6" WG (Class A), Add</i>	3.73	
<i>For 10" WG (Class A), Add</i>	5.36	
<i>For Work In Restricted Working Space, Add</i>	3.50	
23 31 13 13-0040 LF 10" x 14", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	17.82	7.62
<i>For 3" WG (Class B), Add</i>	1.91	
<i>For 4" Or 6" WG (Class A), Add</i>	4.07	
<i>For 10" WG (Class A), Add</i>	5.85	
<i>For Work In Restricted Working Space, Add</i>	3.81	
23 31 13 13-0041 LF 10" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	19.30	8.26
<i>For 3" WG (Class B), Add</i>	2.06	
<i>For 4" Or 6" WG (Class A), Add</i>	4.40	
<i>For 10" WG (Class A), Add</i>	6.33	
<i>For Work In Restricted Working Space, Add</i>	4.13	
23 31 13 13-0042 LF 10" x 18", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	20.78	8.89
<i>For 3" WG (Class B), Add</i>	2.22	
<i>For 4" Or 6" WG (Class A), Add</i>	4.74	
<i>For 10" WG (Class A), Add</i>	6.82	
<i>For Work In Restricted Working Space, Add</i>	4.45	
23 31 13 13-0043 LF 10" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	22.28	9.52
<i>For 3" WG (Class B), Add</i>	2.38	
<i>For 4" Or 6" WG (Class A), Add</i>	5.08	
<i>For 10" WG (Class A), Add</i>	7.30	
<i>For Work In Restricted Working Space, Add</i>	4.76	
23 31 13 13-0044 LF 10" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	23.75	10.16
<i>For 3" WG (Class B), Add</i>	2.54	
<i>For 4" Or 6" WG (Class A), Add</i>	5.42	
<i>For 10" WG (Class A), Add</i>	7.79	
<i>For Work In Restricted Working Space, Add</i>	5.08	
23 31 13 13-0045 LF 10" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	25.24	10.79
<i>For 3" WG (Class B), Add</i>	2.70	
<i>For 4" Or 6" WG (Class A), Add</i>	5.76	
<i>For 10" WG (Class A), Add</i>	8.28	
<i>For Work In Restricted Working Space, Add</i>	5.40	
23 31 13 13-0046 LF 12" x 12", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	17.82	7.62
<i>For 3" WG (Class B), Add</i>	1.91	
<i>For 4" Or 6" WG (Class A), Add</i>	4.07	
<i>For 10" WG (Class A), Add</i>	5.85	
<i>For Work In Restricted Working Space, Add</i>	3.81	
23 31 13 13-0047 LF 12" x 14", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	19.30	8.26
<i>For 3" WG (Class B), Add</i>	2.06	
<i>For 4" Or 6" WG (Class A), Add</i>	4.40	
<i>For 10" WG (Class A), Add</i>	6.33	
<i>For Work In Restricted Working Space, Add</i>	4.13	
23 31 13 13-0048 LF 12" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	20.78	8.89
<i>For 3" WG (Class B), Add</i>	2.22	
<i>For 4" Or 6" WG (Class A), Add</i>	4.74	
<i>For 10" WG (Class A), Add</i>	6.82	
<i>For Work In Restricted Working Space, Add</i>	4.45	
23 31 13 13-0049 LF 12" x 18", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	22.28	9.52
<i>For 3" WG (Class B), Add</i>	2.38	
<i>For 4" Or 6" WG (Class A), Add</i>	5.08	
<i>For 10" WG (Class A), Add</i>	7.30	
<i>For Work In Restricted Working Space, Add</i>	4.76	
23 31 13 13-0050 LF 12" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	23.75	10.16
<i>For 3" WG (Class B), Add</i>	2.54	
<i>For 4" Or 6" WG (Class A), Add</i>	5.42	
<i>For 10" WG (Class A), Add</i>	7.79	
<i>For Work In Restricted Working Space, Add</i>	5.08	
23 31 13 13-0051 LF 12" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	25.24	10.79
<i>For 3" WG (Class B), Add</i>	2.70	
<i>For 4" Or 6" WG (Class A), Add</i>	5.76	
<i>For 10" WG (Class A), Add</i>	8.28	
<i>For Work In Restricted Working Space, Add</i>	5.40	
23 31 13 13-0052 LF 12" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	26.73	11.44
<i>For 3" WG (Class B), Add</i>	2.86	
<i>For 4" Or 6" WG (Class A), Add</i>	6.10	
<i>For 10" WG (Class A), Add</i>	8.77	
<i>For Work In Restricted Working Space, Add</i>	5.72	
23 31 13 13-0053 LF 14" x 14", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	20.78	8.89
<i>For 3" WG (Class B), Add</i>	2.22	
<i>For 4" Or 6" WG (Class A), Add</i>	4.74	
<i>For 10" WG (Class A), Add</i>	6.82	
<i>For Work In Restricted Working Space, Add</i>	4.45	
23 31 13 13-0054 LF 14" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	22.28	9.52
<i>For 3" WG (Class B), Add</i>	2.38	
<i>For 4" Or 6" WG (Class A), Add</i>	5.08	
<i>For 10" WG (Class A), Add</i>	7.30	
<i>For Work In Restricted Working Space, Add</i>	4.76	
23 31 13 13-0055 LF 14" x 18", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	23.75	10.16
<i>For 3" WG (Class B), Add</i>	2.54	
<i>For 4" Or 6" WG (Class A), Add</i>	5.42	
<i>For 10" WG (Class A), Add</i>	7.79	
<i>For Work In Restricted Working Space, Add</i>	5.08	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0056	LF	14" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	25.24	10.79
			For 3" WG (Class B), Add	2.70	
			For 4" Or 6" WG (Class A), Add	5.76	
			For 10" WG (Class A), Add	8.28	
			For Work In Restricted Working Space, Add	5.40	
23 31 13	13-0057	LF	14" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	26.73	11.44
			For 3" WG (Class B), Add	2.86	
			For 4" Or 6" WG (Class A), Add	6.10	
			For 10" WG (Class A), Add	8.77	
			For Work In Restricted Working Space, Add	5.72	
23 31 13	13-0058	LF	14" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	28.23	12.07
			For 3" WG (Class B), Add	3.02	
			For 4" Or 6" WG (Class A), Add	6.44	
			For 10" WG (Class A), Add	9.26	
			For Work In Restricted Working Space, Add	6.04	
23 31 13	13-0059	LF	16" x 16", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	23.75	10.16
			For 3" WG (Class B), Add	2.54	
			For 4" Or 6" WG (Class A), Add	5.42	
			For 10" WG (Class A), Add	7.79	
			For Work In Restricted Working Space, Add	5.08	
23 31 13	13-0060	LF	16" x 18", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	25.24	10.79
			For 3" WG (Class B), Add	2.70	
			For 4" Or 6" WG (Class A), Add	5.76	
			For 10" WG (Class A), Add	8.28	
			For Work In Restricted Working Space, Add	5.40	
23 31 13	13-0061	LF	16" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	26.73	11.44
			For 3" WG (Class B), Add	2.86	
			For 4" Or 6" WG (Class A), Add	6.10	
			For 10" WG (Class A), Add	8.77	
			For Work In Restricted Working Space, Add	5.72	
23 31 13	13-0062	LF	16" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	28.23	12.07
			For 3" WG (Class B), Add	3.02	
			For 4" Or 6" WG (Class A), Add	6.44	
			For 10" WG (Class A), Add	9.26	
			For Work In Restricted Working Space, Add	6.04	
23 31 13	13-0063	LF	16" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	29.70	12.71
			For 3" WG (Class B), Add	3.18	
			For 4" Or 6" WG (Class A), Add	6.77	
			For 10" WG (Class A), Add	9.74	
			For Work In Restricted Working Space, Add	6.35	
23 31 13	13-0064	LF	18" x 18", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	26.73	11.44
			For 3" WG (Class B), Add	2.86	
			For 4" Or 6" WG (Class A), Add	6.10	
			For 10" WG (Class A), Add	8.77	
			For Work In Restricted Working Space, Add	5.72	
23 31 13	13-0065	LF	18" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	28.23	12.07
			For 3" WG (Class B), Add	3.02	
			For 4" Or 6" WG (Class A), Add	6.44	
			For 10" WG (Class A), Add	9.26	
			For Work In Restricted Working Space, Add	6.04	
23 31 13	13-0066	LF	18" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	29.70	12.71
			For 3" WG (Class B), Add	3.18	
			For 4" Or 6" WG (Class A), Add	6.77	
			For 10" WG (Class A), Add	9.74	
			For Work In Restricted Working Space, Add	6.35	
23 31 13	13-0067	LF	18" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	31.17	13.34
			For 3" WG (Class B), Add	3.33	
			For 4" Or 6" WG (Class A), Add	7.11	
			For 10" WG (Class A), Add	10.23	
			For Work In Restricted Working Space, Add	6.67	
23 31 13	13-0068	LF	20" x 20", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	29.70	12.71
			For 3" WG (Class B), Add	3.18	
			For 4" Or 6" WG (Class A), Add	6.77	
			For 10" WG (Class A), Add	9.74	
			For Work In Restricted Working Space, Add	6.35	
23 31 13	13-0069	LF	20" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	31.17	13.34
			For 3" WG (Class B), Add	3.33	
			For 4" Or 6" WG (Class A), Add	7.11	
			For 10" WG (Class A), Add	10.23	
			For Work In Restricted Working Space, Add	6.67	
23 31 13	13-0070	LF	20" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	32.67	13.97
			For 3" WG (Class B), Add	3.49	
			For 4" Or 6" WG (Class A), Add	7.45	
			For 10" WG (Class A), Add	10.71	
			For Work In Restricted Working Space, Add	6.99	
23 31 13	13-0071	LF	22" x 22", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	32.67	13.97
			For 3" WG (Class B), Add	3.49	
			For 4" Or 6" WG (Class A), Add	7.45	
			For 10" WG (Class A), Add	10.71	
			For Work In Restricted Working Space, Add	6.99	
23 31 13	13-0072	LF	22" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	34.14	14.61
			For 3" WG (Class B), Add	3.65	
			For 4" Or 6" WG (Class A), Add	7.79	
			For 10" WG (Class A), Add	11.20	
			For Work In Restricted Working Space, Add	7.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0073 LF 24" x 24", Up To 2" WG (Class C), 30 Gauge Galvanized Steel Sheet Metal Ductwork.....	35.63	15.24
For 3" WG (Class B), Add	3.81	
For 4" Or 6" WG (Class A), Add	8.13	
For 10" WG (Class A), Add	11.68	
For Work In Restricted Working Space, Add	7.62	
23 31 13 13-0074 28 Gauge Galvanized Steel Metal Ductwork <small>(23 31 13 13-0014)</small>		
23 31 13 13-0075 LF 4" x 4", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	7.06	3.02
For 3" WG (Class B), Add	0.76	
For 4" Or 6" WG (Class A), Add	1.61	
For 10" WG (Class A), Add	2.32	
For Work In Restricted Working Space, Add	1.51	
23 31 13 13-0076 LF 4" x 6", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	8.84	3.79
For 3" WG (Class B), Add	0.95	
For 4" Or 6" WG (Class A), Add	2.02	
For 10" WG (Class A), Add	2.90	
For Work In Restricted Working Space, Add	1.89	
23 31 13 13-0077 LF 4" x 8", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	10.60	4.54
For 3" WG (Class B), Add	1.13	
For 4" Or 6" WG (Class A), Add	2.42	
For 10" WG (Class A), Add	3.48	
For Work In Restricted Working Space, Add	2.27	
23 31 13 13-0078 LF 4" x 10", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	12.36	5.30
For 3" WG (Class B), Add	1.32	
For 4" Or 6" WG (Class A), Add	2.82	
For 10" WG (Class A), Add	4.06	
For Work In Restricted Working Space, Add	2.65	
23 31 13 13-0079 LF 4" x 12", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	14.14	6.05
For 3" WG (Class B), Add	1.51	
For 4" Or 6" WG (Class A), Add	3.23	
For 10" WG (Class A), Add	4.64	
For Work In Restricted Working Space, Add	3.02	
23 31 13 13-0080 LF 4" x 14", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	15.91	6.81
For 3" WG (Class B), Add	1.70	
For 4" Or 6" WG (Class A), Add	3.63	
For 10" WG (Class A), Add	5.22	
For Work In Restricted Working Space, Add	3.41	
23 31 13 13-0081 LF 4" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	17.66	7.56
For 3" WG (Class B), Add	1.89	
For 4" Or 6" WG (Class A), Add	4.03	
For 10" WG (Class A), Add	5.80	
For Work In Restricted Working Space, Add	3.78	
23 31 13 13-0082 LF 6" x 6", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	10.60	4.54
For 3" WG (Class B), Add	1.13	
For 4" Or 6" WG (Class A), Add	2.42	
For 10" WG (Class A), Add	3.48	
For Work In Restricted Working Space, Add	2.27	
23 31 13 13-0083 LF 6" x 8", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	12.36	5.30
For 3" WG (Class B), Add	1.32	
For 4" Or 6" WG (Class A), Add	2.82	
For 10" WG (Class A), Add	4.06	
For Work In Restricted Working Space, Add	2.65	
23 31 13 13-0084 LF 6" x 10", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	14.14	6.05
For 3" WG (Class B), Add	1.51	
For 4" Or 6" WG (Class A), Add	3.23	
For 10" WG (Class A), Add	4.64	
For Work In Restricted Working Space, Add	3.02	
23 31 13 13-0085 LF 6" x 12", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	15.91	6.81
For 3" WG (Class B), Add	1.70	
For 4" Or 6" WG (Class A), Add	3.63	
For 10" WG (Class A), Add	5.22	
For Work In Restricted Working Space, Add	3.41	
23 31 13 13-0086 LF 6" x 14", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	17.66	7.56
For 3" WG (Class B), Add	1.89	
For 4" Or 6" WG (Class A), Add	4.03	
For 10" WG (Class A), Add	5.80	
For Work In Restricted Working Space, Add	3.78	
23 31 13 13-0087 LF 6" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	19.45	8.32
For 3" WG (Class B), Add	2.08	
For 4" Or 6" WG (Class A), Add	4.44	
For 10" WG (Class A), Add	6.38	
For Work In Restricted Working Space, Add	4.16	
23 31 13 13-0088 LF 8" x 8", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	14.14	6.05
For 3" WG (Class B), Add	1.51	
For 4" Or 6" WG (Class A), Add	3.23	
For 10" WG (Class A), Add	4.64	
For Work In Restricted Working Space, Add	3.02	
23 31 13 13-0089 LF 8" x 10", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	15.91	6.81
For 3" WG (Class B), Add	1.70	
For 4" Or 6" WG (Class A), Add	3.63	
For 10" WG (Class A), Add	5.22	
For Work In Restricted Working Space, Add	3.41	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0090	LF	8" x 12", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	17.66	7.56
			For 3" WG (Class B), Add	1.89	
			For 4" Or 6" WG (Class A), Add	4.03	
			For 10" WG (Class A), Add	5.80	
			For Work In Restricted Working Space, Add	3.78	
23 31 13	13-0091	LF	8" x 14", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	19.45	8.32
			For 3" WG (Class B), Add	2.08	
			For 4" Or 6" WG (Class A), Add	4.44	
			For 10" WG (Class A), Add	6.38	
			For Work In Restricted Working Space, Add	4.16	
23 31 13	13-0092	LF	8" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	21.21	9.07
			For 3" WG (Class B), Add	2.27	
			For 4" Or 6" WG (Class A), Add	4.84	
			For 10" WG (Class A), Add	6.96	
			For Work In Restricted Working Space, Add	4.54	
23 31 13	13-0093	LF	8" x 18", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	22.97	9.83
			For 3" WG (Class B), Add	2.46	
			For 4" Or 6" WG (Class A), Add	5.24	
			For 10" WG (Class A), Add	7.53	
			For Work In Restricted Working Space, Add	4.91	
23 31 13	13-0094	LF	8" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	24.75	10.58
			For 3" WG (Class B), Add	2.65	
			For 4" Or 6" WG (Class A), Add	5.64	
			For 10" WG (Class A), Add	8.11	
			For Work In Restricted Working Space, Add	5.29	
23 31 13	13-0095	LF	8" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	26.52	11.35
			For 3" WG (Class B), Add	2.84	
			For 4" Or 6" WG (Class A), Add	6.05	
			For 10" WG (Class A), Add	8.70	
			For Work In Restricted Working Space, Add	5.67	
23 31 13	13-0096	LF	8" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	28.30	12.10
			For 3" WG (Class B), Add	3.03	
			For 4" Or 6" WG (Class A), Add	6.45	
			For 10" WG (Class A), Add	9.28	
			For Work In Restricted Working Space, Add	6.05	
23 31 13	13-0097	LF	10" x 10", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	17.66	7.56
			For 3" WG (Class B), Add	1.89	
			For 4" Or 6" WG (Class A), Add	4.03	
			For 10" WG (Class A), Add	5.80	
			For Work In Restricted Working Space, Add	3.78	
23 31 13	13-0098	LF	10" x 12", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	19.45	8.32
			For 3" WG (Class B), Add	2.08	
			For 4" Or 6" WG (Class A), Add	4.44	
			For 10" WG (Class A), Add	6.38	
			For Work In Restricted Working Space, Add	4.16	
23 31 13	13-0099	LF	10" x 14", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	21.21	9.07
			For 3" WG (Class B), Add	2.27	
			For 4" Or 6" WG (Class A), Add	4.84	
			For 10" WG (Class A), Add	6.96	
			For Work In Restricted Working Space, Add	4.54	
23 31 13	13-0100	LF	10" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	22.97	9.83
			For 3" WG (Class B), Add	2.46	
			For 4" Or 6" WG (Class A), Add	5.24	
			For 10" WG (Class A), Add	7.53	
			For Work In Restricted Working Space, Add	4.91	
23 31 13	13-0101	LF	10" x 18", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	24.75	10.58
			For 3" WG (Class B), Add	2.65	
			For 4" Or 6" WG (Class A), Add	5.64	
			For 10" WG (Class A), Add	8.11	
			For Work In Restricted Working Space, Add	5.29	
23 31 13	13-0102	LF	10" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	26.52	11.35
			For 3" WG (Class B), Add	2.84	
			For 4" Or 6" WG (Class A), Add	6.05	
			For 10" WG (Class A), Add	8.70	
			For Work In Restricted Working Space, Add	5.67	
23 31 13	13-0103	LF	10" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	28.30	12.10
			For 3" WG (Class B), Add	3.03	
			For 4" Or 6" WG (Class A), Add	6.45	
			For 10" WG (Class A), Add	9.28	
			For Work In Restricted Working Space, Add	6.05	
23 31 13	13-0104	LF	10" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	30.05	12.86
			For 3" WG (Class B), Add	3.21	
			For 4" Or 6" WG (Class A), Add	6.85	
			For 10" WG (Class A), Add	9.85	
			For Work In Restricted Working Space, Add	6.43	
23 31 13	13-0105	LF	12" x 12", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	21.21	9.07
			For 3" WG (Class B), Add	2.27	
			For 4" Or 6" WG (Class A), Add	4.84	
			For 10" WG (Class A), Add	6.96	
			For Work In Restricted Working Space, Add	4.54	
23 31 13	13-0106	LF	12" x 14", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	22.97	9.83
			For 3" WG (Class B), Add	2.46	
			For 4" Or 6" WG (Class A), Add	5.24	
			For 10" WG (Class A), Add	7.53	
			For Work In Restricted Working Space, Add	4.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0107 LF 12" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	24.75	10.58
<i>For 3" WG (Class B), Add</i>	2.65	
<i>For 4" Or 6" WG (Class A), Add</i>	5.64	
<i>For 10" WG (Class A), Add</i>	8.11	
<i>For Work In Restricted Working Space, Add</i>	5.29	
23 31 13 13-0108 LF 12" x 18", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	26.52	11.35
<i>For 3" WG (Class B), Add</i>	2.84	
<i>For 4" Or 6" WG (Class A), Add</i>	6.05	
<i>For 10" WG (Class A), Add</i>	8.70	
<i>For Work In Restricted Working Space, Add</i>	5.67	
23 31 13 13-0109 LF 12" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	28.30	12.10
<i>For 3" WG (Class B), Add</i>	3.03	
<i>For 4" Or 6" WG (Class A), Add</i>	6.45	
<i>For 10" WG (Class A), Add</i>	9.28	
<i>For Work In Restricted Working Space, Add</i>	6.05	
23 31 13 13-0110 LF 12" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	30.05	12.86
<i>For 3" WG (Class B), Add</i>	3.21	
<i>For 4" Or 6" WG (Class A), Add</i>	6.85	
<i>For 10" WG (Class A), Add</i>	9.85	
<i>For Work In Restricted Working Space, Add</i>	6.43	
23 31 13 13-0111 LF 12" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	31.81	13.61
<i>For 3" WG (Class B), Add</i>	3.40	
<i>For 4" Or 6" WG (Class A), Add</i>	7.26	
<i>For 10" WG (Class A), Add</i>	10.43	
<i>For Work In Restricted Working Space, Add</i>	6.80	
23 31 13 13-0112 LF 14" x 14", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	24.75	10.58
<i>For 3" WG (Class B), Add</i>	2.65	
<i>For 4" Or 6" WG (Class A), Add</i>	5.64	
<i>For 10" WG (Class A), Add</i>	8.11	
<i>For Work In Restricted Working Space, Add</i>	5.29	
23 31 13 13-0113 LF 14" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	26.52	11.35
<i>For 3" WG (Class B), Add</i>	2.84	
<i>For 4" Or 6" WG (Class A), Add</i>	6.05	
<i>For 10" WG (Class A), Add</i>	8.70	
<i>For Work In Restricted Working Space, Add</i>	5.67	
23 31 13 13-0114 LF 14" x 18", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	28.30	12.10
<i>For 3" WG (Class B), Add</i>	3.03	
<i>For 4" Or 6" WG (Class A), Add</i>	6.45	
<i>For 10" WG (Class A), Add</i>	9.28	
<i>For Work In Restricted Working Space, Add</i>	6.05	
23 31 13 13-0115 LF 14" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	30.05	12.86
<i>For 3" WG (Class B), Add</i>	3.21	
<i>For 4" Or 6" WG (Class A), Add</i>	6.85	
<i>For 10" WG (Class A), Add</i>	9.85	
<i>For Work In Restricted Working Space, Add</i>	6.43	
23 31 13 13-0116 LF 14" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	31.81	13.61
<i>For 3" WG (Class B), Add</i>	3.40	
<i>For 4" Or 6" WG (Class A), Add</i>	7.26	
<i>For 10" WG (Class A), Add</i>	10.43	
<i>For Work In Restricted Working Space, Add</i>	6.80	
23 31 13 13-0117 LF 14" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	33.59	14.37
<i>For 3" WG (Class B), Add</i>	3.59	
<i>For 4" Or 6" WG (Class A), Add</i>	7.66	
<i>For 10" WG (Class A), Add</i>	11.01	
<i>For Work In Restricted Working Space, Add</i>	7.18	
23 31 13 13-0118 LF 16" x 16", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	28.30	12.10
<i>For 3" WG (Class B), Add</i>	3.03	
<i>For 4" Or 6" WG (Class A), Add</i>	6.45	
<i>For 10" WG (Class A), Add</i>	9.28	
<i>For Work In Restricted Working Space, Add</i>	6.05	
23 31 13 13-0119 LF 16" x 18", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	30.05	12.86
<i>For 3" WG (Class B), Add</i>	3.21	
<i>For 4" Or 6" WG (Class A), Add</i>	6.85	
<i>For 10" WG (Class A), Add</i>	9.85	
<i>For Work In Restricted Working Space, Add</i>	6.43	
23 31 13 13-0120 LF 16" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	31.81	13.61
<i>For 3" WG (Class B), Add</i>	3.40	
<i>For 4" Or 6" WG (Class A), Add</i>	7.26	
<i>For 10" WG (Class A), Add</i>	10.43	
<i>For Work In Restricted Working Space, Add</i>	6.80	
23 31 13 13-0121 LF 16" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	33.59	14.37
<i>For 3" WG (Class B), Add</i>	3.59	
<i>For 4" Or 6" WG (Class A), Add</i>	7.66	
<i>For 10" WG (Class A), Add</i>	11.01	
<i>For Work In Restricted Working Space, Add</i>	7.18	
23 31 13 13-0122 LF 16" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	35.36	15.12
<i>For 3" WG (Class B), Add</i>	3.78	
<i>For 4" Or 6" WG (Class A), Add</i>	8.07	
<i>For 10" WG (Class A), Add</i>	11.60	
<i>For Work In Restricted Working Space, Add</i>	7.56	
23 31 13 13-0123 LF 18" x 18", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	31.81	13.61
<i>For 3" WG (Class B), Add</i>	3.40	
<i>For 4" Or 6" WG (Class A), Add</i>	7.26	
<i>For 10" WG (Class A), Add</i>	10.43	
<i>For Work In Restricted Working Space, Add</i>	6.80	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts And Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0124	LF	18" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	33.59	14.37
			<i>For 3" WG (Class B), Add</i>	3.59	
			<i>For 4" Or 6" WG (Class A), Add</i>	7.66	
			<i>For 10" WG (Class A), Add</i>	11.01	
			<i>For Work In Restricted Working Space, Add</i>	7.18	
23 31 13	13-0125	LF	18" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	35.36	15.12
			<i>For 3" WG (Class B), Add</i>	3.78	
			<i>For 4" Or 6" WG (Class A), Add</i>	8.07	
			<i>For 10" WG (Class A), Add</i>	11.60	
			<i>For Work In Restricted Working Space, Add</i>	7.56	
23 31 13	13-0126	LF	18" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	37.12	15.88
			<i>For 3" WG (Class B), Add</i>	3.97	
			<i>For 4" Or 6" WG (Class A), Add</i>	8.47	
			<i>For 10" WG (Class A), Add</i>	12.18	
			<i>For Work In Restricted Working Space, Add</i>	7.94	
23 31 13	13-0127	LF	20" x 20", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	35.36	15.12
			<i>For 3" WG (Class B), Add</i>	3.78	
			<i>For 4" Or 6" WG (Class A), Add</i>	8.07	
			<i>For 10" WG (Class A), Add</i>	11.60	
			<i>For Work In Restricted Working Space, Add</i>	7.56	
23 31 13	13-0128	LF	20" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	37.12	15.88
			<i>For 3" WG (Class B), Add</i>	3.97	
			<i>For 4" Or 6" WG (Class A), Add</i>	8.47	
			<i>For 10" WG (Class A), Add</i>	12.18	
			<i>For Work In Restricted Working Space, Add</i>	7.94	
23 31 13	13-0129	LF	20" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	38.90	16.63
			<i>For 3" WG (Class B), Add</i>	4.16	
			<i>For 4" Or 6" WG (Class A), Add</i>	8.87	
			<i>For 10" WG (Class A), Add</i>	12.76	
			<i>For Work In Restricted Working Space, Add</i>	8.32	
23 31 13	13-0130	LF	22" x 22", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	38.90	16.63
			<i>For 3" WG (Class B), Add</i>	4.16	
			<i>For 4" Or 6" WG (Class A), Add</i>	8.87	
			<i>For 10" WG (Class A), Add</i>	12.76	
			<i>For Work In Restricted Working Space, Add</i>	8.32	
23 31 13	13-0131	LF	22" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	40.66	17.39
			<i>For 3" WG (Class B), Add</i>	4.35	
			<i>For 4" Or 6" WG (Class A), Add</i>	9.28	
			<i>For 10" WG (Class A), Add</i>	13.34	
			<i>For Work In Restricted Working Space, Add</i>	8.70	
23 31 13	13-0132	LF	24" x 24", Up To 2" WG (Class C), 28 Gauge Galvanized Steel Sheet Metal Ductwork.....	42.41	18.15
			<i>For 3" WG (Class B), Add</i>	4.54	
			<i>For 4" Or 6" WG (Class A), Add</i>	9.68	
			<i>For 10" WG (Class A), Add</i>	13.91	
			<i>For Work In Restricted Working Space, Add</i>	9.07	
23 31 13	13-0133		26 Gauge Galvanized Steel Metal Ductwork <small>(23 31 13 13-0014)</small>		
23 31 13	13-0134	LF	4" x 4", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	8.19	3.51
			<i>For 3" WG (Class B), Add</i>	0.88	
			<i>For 4" Or 6" WG (Class A), Add</i>	1.87	
			<i>For 10" WG (Class A), Add</i>	2.69	
			<i>For Work In Restricted Working Space, Add</i>	1.75	
23 31 13	13-0135	LF	4" x 6", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	10.25	4.38
			<i>For 3" WG (Class B), Add</i>	1.10	
			<i>For 4" Or 6" WG (Class A), Add</i>	2.34	
			<i>For 10" WG (Class A), Add</i>	3.36	
			<i>For Work In Restricted Working Space, Add</i>	2.19	
23 31 13	13-0136	LF	4" x 8", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	12.31	5.27
			<i>For 3" WG (Class B), Add</i>	1.32	
			<i>For 4" Or 6" WG (Class A), Add</i>	2.81	
			<i>For 10" WG (Class A), Add</i>	4.04	
			<i>For Work In Restricted Working Space, Add</i>	2.63	
23 31 13	13-0137	LF	4" x 10", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	14.36	6.14
			<i>For 3" WG (Class B), Add</i>	1.54	
			<i>For 4" Or 6" WG (Class A), Add</i>	3.28	
			<i>For 10" WG (Class A), Add</i>	4.71	
			<i>For Work In Restricted Working Space, Add</i>	3.07	
23 31 13	13-0138	LF	4" x 12", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	16.41	7.02
			<i>For 3" WG (Class B), Add</i>	1.76	
			<i>For 4" Or 6" WG (Class A), Add</i>	3.74	
			<i>For 10" WG (Class A), Add</i>	5.38	
			<i>For Work In Restricted Working Space, Add</i>	3.51	
23 31 13	13-0139	LF	4" x 14", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	18.45	7.89
			<i>For 3" WG (Class B), Add</i>	1.97	
			<i>For 4" Or 6" WG (Class A), Add</i>	4.21	
			<i>For 10" WG (Class A), Add</i>	6.05	
			<i>For Work In Restricted Working Space, Add</i>	3.95	
23 31 13	13-0140	LF	4" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	20.50	8.77
			<i>For 3" WG (Class B), Add</i>	2.19	
			<i>For 4" Or 6" WG (Class A), Add</i>	4.68	
			<i>For 10" WG (Class A), Add</i>	6.73	
			<i>For Work In Restricted Working Space, Add</i>	4.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0141 LF 6" x 6", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	12.31	5.27
<i>For 3" WG (Class B), Add</i>	1.32	
<i>For 4" Or 6" WG (Class A), Add</i>	2.81	
<i>For 10" WG (Class A), Add</i>	4.04	
<i>For Work In Restricted Working Space, Add</i>	2.63	
23 31 13 13-0142 LF 6" x 8", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	14.36	6.14
<i>For 3" WG (Class B), Add</i>	1.54	
<i>For 4" Or 6" WG (Class A), Add</i>	3.28	
<i>For 10" WG (Class A), Add</i>	4.71	
<i>For Work In Restricted Working Space, Add</i>	3.07	
23 31 13 13-0143 LF 6" x 10", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	16.41	7.02
<i>For 3" WG (Class B), Add</i>	1.76	
<i>For 4" Or 6" WG (Class A), Add</i>	3.74	
<i>For 10" WG (Class A), Add</i>	5.38	
<i>For Work In Restricted Working Space, Add</i>	3.51	
23 31 13 13-0144 LF 6" x 12", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	18.46	7.89
<i>For 3" WG (Class B), Add</i>	1.97	
<i>For 4" Or 6" WG (Class A), Add</i>	4.21	
<i>For 10" WG (Class A), Add</i>	6.05	
<i>For Work In Restricted Working Space, Add</i>	3.95	
23 31 13 13-0145 LF 6" x 14", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	20.50	8.77
<i>For 3" WG (Class B), Add</i>	2.19	
<i>For 4" Or 6" WG (Class A), Add</i>	4.68	
<i>For 10" WG (Class A), Add</i>	6.73	
<i>For Work In Restricted Working Space, Add</i>	4.39	
23 31 13 13-0146 LF 6" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	22.56	9.64
<i>For 3" WG (Class B), Add</i>	2.41	
<i>For 4" Or 6" WG (Class A), Add</i>	5.15	
<i>For 10" WG (Class A), Add</i>	7.40	
<i>For Work In Restricted Working Space, Add</i>	4.82	
23 31 13 13-0147 LF 8" x 8", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	16.41	7.02
<i>For 3" WG (Class B), Add</i>	1.76	
<i>For 4" Or 6" WG (Class A), Add</i>	3.74	
<i>For 10" WG (Class A), Add</i>	5.38	
<i>For Work In Restricted Working Space, Add</i>	3.51	
23 31 13 13-0148 LF 8" x 10", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	18.46	7.89
<i>For 3" WG (Class B), Add</i>	1.97	
<i>For 4" Or 6" WG (Class A), Add</i>	4.21	
<i>For 10" WG (Class A), Add</i>	6.05	
<i>For Work In Restricted Working Space, Add</i>	3.95	
23 31 13 13-0149 LF 8" x 12", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	20.51	8.78
<i>For 3" WG (Class B), Add</i>	2.19	
<i>For 4" Or 6" WG (Class A), Add</i>	4.68	
<i>For 10" WG (Class A), Add</i>	6.73	
<i>For Work In Restricted Working Space, Add</i>	4.39	
23 31 13 13-0150 LF 8" x 14", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	22.56	9.64
<i>For 3" WG (Class B), Add</i>	2.41	
<i>For 4" Or 6" WG (Class A), Add</i>	5.15	
<i>For 10" WG (Class A), Add</i>	7.40	
<i>For Work In Restricted Working Space, Add</i>	4.82	
23 31 13 13-0151 LF 8" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	24.62	10.53
<i>For 3" WG (Class B), Add</i>	2.63	
<i>For 4" Or 6" WG (Class A), Add</i>	5.62	
<i>For 10" WG (Class A), Add</i>	8.07	
<i>For Work In Restricted Working Space, Add</i>	5.27	
23 31 13 13-0152 LF 8" x 18", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	26.66	11.41
<i>For 3" WG (Class B), Add</i>	2.85	
<i>For 4" Or 6" WG (Class A), Add</i>	6.08	
<i>For 10" WG (Class A), Add</i>	8.74	
<i>For Work In Restricted Working Space, Add</i>	5.70	
23 31 13 13-0153 LF 8" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	28.70	12.28
<i>For 3" WG (Class B), Add</i>	3.07	
<i>For 4" Or 6" WG (Class A), Add</i>	6.55	
<i>For 10" WG (Class A), Add</i>	9.42	
<i>For Work In Restricted Working Space, Add</i>	6.14	
23 31 13 13-0154 LF 8" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	30.77	13.16
<i>For 3" WG (Class B), Add</i>	3.29	
<i>For 4" Or 6" WG (Class A), Add</i>	7.02	
<i>For 10" WG (Class A), Add</i>	10.09	
<i>For Work In Restricted Working Space, Add</i>	6.58	
23 31 13 13-0155 LF 8" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	32.81	14.03
<i>For 3" WG (Class B), Add</i>	3.51	
<i>For 4" Or 6" WG (Class A), Add</i>	7.48	
<i>For 10" WG (Class A), Add</i>	10.76	
<i>For Work In Restricted Working Space, Add</i>	7.02	
23 31 13 13-0156 LF 10" x 10", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	20.51	8.78
<i>For 3" WG (Class B), Add</i>	2.19	
<i>For 4" Or 6" WG (Class A), Add</i>	4.68	
<i>For 10" WG (Class A), Add</i>	6.73	
<i>For Work In Restricted Working Space, Add</i>	4.39	
23 31 13 13-0157 LF 10" x 12", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	22.56	9.64
<i>For 3" WG (Class B), Add</i>	2.41	
<i>For 4" Or 6" WG (Class A), Add</i>	5.15	
<i>For 10" WG (Class A), Add</i>	7.40	
<i>For Work In Restricted Working Space, Add</i>	4.82	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13	13-0158	LF 10" x 14", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	24.62	10.53
			For 3" WG (Class B), Add	2.63	
			For 4" Or 6" WG (Class A), Add	5.62	
			For 10" WG (Class A), Add	8.07	
			For Work In Restricted Working Space, Add	5.27	
23 31	13	13-0159	LF 10" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	26.66	11.41
			For 3" WG (Class B), Add	2.85	
			For 4" Or 6" WG (Class A), Add	6.08	
			For 10" WG (Class A), Add	8.74	
			For Work In Restricted Working Space, Add	5.70	
23 31	13	13-0160	LF 10" x 18", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	28.70	12.28
			For 3" WG (Class B), Add	3.07	
			For 4" Or 6" WG (Class A), Add	6.55	
			For 10" WG (Class A), Add	9.42	
			For Work In Restricted Working Space, Add	6.14	
23 31	13	13-0161	LF 10" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	30.77	13.16
			For 3" WG (Class B), Add	3.29	
			For 4" Or 6" WG (Class A), Add	7.02	
			For 10" WG (Class A), Add	10.09	
			For Work In Restricted Working Space, Add	6.58	
23 31	13	13-0162	LF 10" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	32.81	14.03
			For 3" WG (Class B), Add	3.51	
			For 4" Or 6" WG (Class A), Add	7.48	
			For 10" WG (Class A), Add	10.76	
			For Work In Restricted Working Space, Add	7.02	
23 31	13	13-0163	LF 10" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	34.87	14.91
			For 3" WG (Class B), Add	3.73	
			For 4" Or 6" WG (Class A), Add	7.96	
			For 10" WG (Class A), Add	11.44	
			For Work In Restricted Working Space, Add	7.46	
23 31	13	13-0164	LF 12" x 12", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	24.60	10.53
			For 3" WG (Class B), Add	2.63	
			For 4" Or 6" WG (Class A), Add	5.61	
			For 10" WG (Class A), Add	8.07	
			For Work In Restricted Working Space, Add	5.26	
23 31	13	13-0165	LF 12" x 14", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	26.66	11.41
			For 3" WG (Class B), Add	2.85	
			For 4" Or 6" WG (Class A), Add	6.08	
			For 10" WG (Class A), Add	8.74	
			For Work In Restricted Working Space, Add	5.70	
23 31	13	13-0166	LF 12" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	28.70	12.28
			For 3" WG (Class B), Add	3.07	
			For 4" Or 6" WG (Class A), Add	6.55	
			For 10" WG (Class A), Add	9.42	
			For Work In Restricted Working Space, Add	6.14	
23 31	13	13-0167	LF 12" x 18", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	30.77	13.16
			For 3" WG (Class B), Add	3.29	
			For 4" Or 6" WG (Class A), Add	7.02	
			For 10" WG (Class A), Add	10.09	
			For Work In Restricted Working Space, Add	6.58	
23 31	13	13-0168	LF 12" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	32.81	14.03
			For 3" WG (Class B), Add	3.51	
			For 4" Or 6" WG (Class A), Add	7.48	
			For 10" WG (Class A), Add	10.76	
			For Work In Restricted Working Space, Add	7.02	
23 31	13	13-0169	LF 12" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	34.87	14.91
			For 3" WG (Class B), Add	3.73	
			For 4" Or 6" WG (Class A), Add	7.96	
			For 10" WG (Class A), Add	11.44	
			For Work In Restricted Working Space, Add	7.46	
23 31	13	13-0170	LF 12" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	36.91	15.79
			For 3" WG (Class B), Add	3.95	
			For 4" Or 6" WG (Class A), Add	8.42	
			For 10" WG (Class A), Add	12.11	
			For Work In Restricted Working Space, Add	7.90	
23 31	13	13-0171	LF 14" x 14", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	28.70	12.28
			For 3" WG (Class B), Add	3.07	
			For 4" Or 6" WG (Class A), Add	6.55	
			For 10" WG (Class A), Add	9.42	
			For Work In Restricted Working Space, Add	6.14	
23 31	13	13-0172	LF 14" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	30.77	13.16
			For 3" WG (Class B), Add	3.29	
			For 4" Or 6" WG (Class A), Add	7.02	
			For 10" WG (Class A), Add	10.09	
			For Work In Restricted Working Space, Add	6.58	
23 31	13	13-0173	LF 14" x 18", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	32.81	14.03
			For 3" WG (Class B), Add	3.51	
			For 4" Or 6" WG (Class A), Add	7.48	
			For 10" WG (Class A), Add	10.76	
			For Work In Restricted Working Space, Add	7.02	
23 31	13	13-0174	LF 14" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	34.87	14.91
			For 3" WG (Class B), Add	3.73	
			For 4" Or 6" WG (Class A), Add	7.96	
			For 10" WG (Class A), Add	11.44	
			For Work In Restricted Working Space, Add	7.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0175 LF 14" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	36.91	15.79
<i>For 3" WG (Class B), Add</i>	3.95	
<i>For 4" Or 6" WG (Class A), Add</i>	8.42	
<i>For 10" WG (Class A), Add</i>	12.11	
<i>For Work In Restricted Working Space, Add</i>	7.90	
23 31 13 13-0176 LF 14" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	38.97	16.66
<i>For 3" WG (Class B), Add</i>	4.17	
<i>For 4" Or 6" WG (Class A), Add</i>	8.89	
<i>For 10" WG (Class A), Add</i>	12.78	
<i>For Work In Restricted Working Space, Add</i>	8.33	
23 31 13 13-0177 LF 16" x 16", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	32.81	14.03
<i>For 3" WG (Class B), Add</i>	3.51	
<i>For 4" Or 6" WG (Class A), Add</i>	7.48	
<i>For 10" WG (Class A), Add</i>	10.76	
<i>For Work In Restricted Working Space, Add</i>	7.02	
23 31 13 13-0178 LF 16" x 18", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	34.87	14.91
<i>For 3" WG (Class B), Add</i>	3.73	
<i>For 4" Or 6" WG (Class A), Add</i>	7.96	
<i>For 10" WG (Class A), Add</i>	11.44	
<i>For Work In Restricted Working Space, Add</i>	7.46	
23 31 13 13-0179 LF 16" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	36.91	15.79
<i>For 3" WG (Class B), Add</i>	3.95	
<i>For 4" Or 6" WG (Class A), Add</i>	8.42	
<i>For 10" WG (Class A), Add</i>	12.11	
<i>For Work In Restricted Working Space, Add</i>	7.90	
23 31 13 13-0180 LF 16" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	38.97	16.66
<i>For 3" WG (Class B), Add</i>	4.17	
<i>For 4" Or 6" WG (Class A), Add</i>	8.89	
<i>For 10" WG (Class A), Add</i>	12.78	
<i>For Work In Restricted Working Space, Add</i>	8.33	
23 31 13 13-0181 LF 16" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	41.02	17.55
<i>For 3" WG (Class B), Add</i>	4.39	
<i>For 4" Or 6" WG (Class A), Add</i>	9.36	
<i>For 10" WG (Class A), Add</i>	13.45	
<i>For Work In Restricted Working Space, Add</i>	8.77	
23 31 13 13-0182 LF 18" x 18", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	36.91	15.79
<i>For 3" WG (Class B), Add</i>	3.95	
<i>For 4" Or 6" WG (Class A), Add</i>	8.42	
<i>For 10" WG (Class A), Add</i>	12.11	
<i>For Work In Restricted Working Space, Add</i>	7.90	
23 31 13 13-0183 LF 18" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	38.97	16.66
<i>For 3" WG (Class B), Add</i>	4.17	
<i>For 4" Or 6" WG (Class A), Add</i>	8.89	
<i>For 10" WG (Class A), Add</i>	12.78	
<i>For Work In Restricted Working Space, Add</i>	8.33	
23 31 13 13-0184 LF 18" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	41.02	17.55
<i>For 3" WG (Class B), Add</i>	4.39	
<i>For 4" Or 6" WG (Class A), Add</i>	9.36	
<i>For 10" WG (Class A), Add</i>	13.45	
<i>For Work In Restricted Working Space, Add</i>	8.77	
23 31 13 13-0185 LF 18" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	43.06	18.42
<i>For 3" WG (Class B), Add</i>	4.61	
<i>For 4" Or 6" WG (Class A), Add</i>	9.82	
<i>For 10" WG (Class A), Add</i>	14.12	
<i>For Work In Restricted Working Space, Add</i>	9.21	
23 31 13 13-0186 LF 20" x 20", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	41.02	17.55
<i>For 3" WG (Class B), Add</i>	4.39	
<i>For 4" Or 6" WG (Class A), Add</i>	9.36	
<i>For 10" WG (Class A), Add</i>	13.45	
<i>For Work In Restricted Working Space, Add</i>	8.77	
23 31 13 13-0187 LF 20" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	43.06	18.42
<i>For 3" WG (Class B), Add</i>	4.61	
<i>For 4" Or 6" WG (Class A), Add</i>	9.82	
<i>For 10" WG (Class A), Add</i>	14.12	
<i>For Work In Restricted Working Space, Add</i>	9.21	
23 31 13 13-0188 LF 20" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	45.11	19.30
<i>For 3" WG (Class B), Add</i>	4.83	
<i>For 4" Or 6" WG (Class A), Add</i>	10.29	
<i>For 10" WG (Class A), Add</i>	14.80	
<i>For Work In Restricted Working Space, Add</i>	9.65	
23 31 13 13-0189 LF 22" x 22", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	45.11	19.30
<i>For 3" WG (Class B), Add</i>	4.83	
<i>For 4" Or 6" WG (Class A), Add</i>	10.29	
<i>For 10" WG (Class A), Add</i>	14.80	
<i>For Work In Restricted Working Space, Add</i>	9.65	
23 31 13 13-0190 LF 22" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	47.18	20.18
<i>For 3" WG (Class B), Add</i>	5.04	
<i>For 4" Or 6" WG (Class A), Add</i>	10.76	
<i>For 10" WG (Class A), Add</i>	15.47	
<i>For Work In Restricted Working Space, Add</i>	10.09	
23 31 13 13-0191 LF 24" x 24", Up To 2" WG (Class C), 26 Gauge Galvanized Steel Sheet Metal Ductwork.....	49.22	21.05
<i>For 3" WG (Class B), Add</i>	5.26	
<i>For 4" Or 6" WG (Class A), Add</i>	11.23	
<i>For 10" WG (Class A), Add</i>	16.14	
<i>For Work In Restricted Working Space, Add</i>	10.53	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0192			24 Gauge Galvanized Steel Metal Ductwork <small>(23 31 13 13-0014)</small>		
23 31 13 13-0193	LF		4" x 4", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	10.46	4.48
			<i>For 3" WG (Class B), Add</i>	1.12	
			<i>For 4" Or 6" WG (Class A), Add</i>	2.39	
			<i>For 10" WG (Class A), Add</i>	3.43	
			<i>For Work In Restricted Working Space, Add</i>	2.24	
23 31 13 13-0194	LF		4" x 8", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	13.09	5.60
			<i>For 3" WG (Class B), Add</i>	1.40	
			<i>For 4" Or 6" WG (Class A), Add</i>	2.99	
			<i>For 10" WG (Class A), Add</i>	4.29	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
23 31 13 13-0195	LF		4" x 8", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	15.71	6.72
			<i>For 3" WG (Class B), Add</i>	1.68	
			<i>For 4" Or 6" WG (Class A), Add</i>	3.58	
			<i>For 10" WG (Class A), Add</i>	5.15	
			<i>For Work In Restricted Working Space, Add</i>	3.36	
23 31 13 13-0196	LF		4" x 10", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	18.32	7.83
			<i>For 3" WG (Class B), Add</i>	1.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	4.18	
			<i>For 10" WG (Class A), Add</i>	6.01	
			<i>For Work In Restricted Working Space, Add</i>	3.92	
23 31 13 13-0197	LF		4" x 12", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	20.93	8.95
			<i>For 3" WG (Class B), Add</i>	2.24	
			<i>For 4" Or 6" WG (Class A), Add</i>	4.77	
			<i>For 10" WG (Class A), Add</i>	6.86	
			<i>For Work In Restricted Working Space, Add</i>	4.48	
23 31 13 13-0198	LF		4" x 14", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	23.54	10.07
			<i>For 3" WG (Class B), Add</i>	2.52	
			<i>For 4" Or 6" WG (Class A), Add</i>	5.37	
			<i>For 10" WG (Class A), Add</i>	7.72	
			<i>For Work In Restricted Working Space, Add</i>	5.03	
23 31 13 13-0199	LF		4" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	26.17	11.20
			<i>For 3" WG (Class B), Add</i>	2.80	
			<i>For 4" Or 6" WG (Class A), Add</i>	5.97	
			<i>For 10" WG (Class A), Add</i>	8.58	
			<i>For Work In Restricted Working Space, Add</i>	5.60	
23 31 13 13-0200	LF		6" x 6", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	15.71	6.72
			<i>For 3" WG (Class B), Add</i>	1.68	
			<i>For 4" Or 6" WG (Class A), Add</i>	3.58	
			<i>For 10" WG (Class A), Add</i>	5.15	
			<i>For Work In Restricted Working Space, Add</i>	3.36	
23 31 13 13-0201	LF		6" x 8", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	18.32	7.83
			<i>For 3" WG (Class B), Add</i>	1.96	
			<i>For 4" Or 6" WG (Class A), Add</i>	4.18	
			<i>For 10" WG (Class A), Add</i>	6.01	
			<i>For Work In Restricted Working Space, Add</i>	3.92	
23 31 13 13-0202	LF		6" x 10", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	20.93	8.95
			<i>For 3" WG (Class B), Add</i>	2.24	
			<i>For 4" Or 6" WG (Class A), Add</i>	4.77	
			<i>For 10" WG (Class A), Add</i>	6.86	
			<i>For Work In Restricted Working Space, Add</i>	4.48	
23 31 13 13-0203	LF		6" x 12", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	23.54	10.07
			<i>For 3" WG (Class B), Add</i>	2.52	
			<i>For 4" Or 6" WG (Class A), Add</i>	5.37	
			<i>For 10" WG (Class A), Add</i>	7.72	
			<i>For Work In Restricted Working Space, Add</i>	5.03	
23 31 13 13-0204	LF		6" x 14", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	26.17	11.20
			<i>For 3" WG (Class B), Add</i>	2.80	
			<i>For 4" Or 6" WG (Class A), Add</i>	5.97	
			<i>For 10" WG (Class A), Add</i>	8.58	
			<i>For Work In Restricted Working Space, Add</i>	5.60	
23 31 13 13-0205	LF		6" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	28.78	12.31
			<i>For 3" WG (Class B), Add</i>	3.08	
			<i>For 4" Or 6" WG (Class A), Add</i>	6.57	
			<i>For 10" WG (Class A), Add</i>	9.44	
			<i>For Work In Restricted Working Space, Add</i>	6.16	
23 31 13 13-0206	LF		8" x 8", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	20.93	8.95
			<i>For 3" WG (Class B), Add</i>	2.24	
			<i>For 4" Or 6" WG (Class A), Add</i>	4.77	
			<i>For 10" WG (Class A), Add</i>	6.86	
			<i>For Work In Restricted Working Space, Add</i>	4.48	
23 31 13 13-0207	LF		8" x 10", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	23.54	10.07
			<i>For 3" WG (Class B), Add</i>	2.52	
			<i>For 4" Or 6" WG (Class A), Add</i>	5.37	
			<i>For 10" WG (Class A), Add</i>	7.72	
			<i>For Work In Restricted Working Space, Add</i>	5.03	
23 31 13 13-0208	LF		8" x 12", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	26.17	11.20
			<i>For 3" WG (Class B), Add</i>	2.80	
			<i>For 4" Or 6" WG (Class A), Add</i>	5.97	
			<i>For 10" WG (Class A), Add</i>	8.58	
			<i>For Work In Restricted Working Space, Add</i>	5.60	
23 31 13 13-0209	LF		8" x 14", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	28.78	12.31
			<i>For 3" WG (Class B), Add</i>	3.08	
			<i>For 4" Or 6" WG (Class A), Add</i>	6.57	
			<i>For 10" WG (Class A), Add</i>	9.44	
			<i>For Work In Restricted Working Space, Add</i>	6.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0210 LF 8" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	31.39	13.43
<i>For 3" WG (Class B), Add</i>	3.36	
<i>For 4" Or 6" WG (Class A), Add</i>	7.16	
<i>For 10" WG (Class A), Add</i>	10.29	
<i>For Work In Restricted Working Space, Add</i>	6.71	
23 31 13 13-0211 LF 8" x 18", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	34.01	14.55
<i>For 3" WG (Class B), Add</i>	3.64	
<i>For 4" Or 6" WG (Class A), Add</i>	7.76	
<i>For 10" WG (Class A), Add</i>	11.16	
<i>For Work In Restricted Working Space, Add</i>	7.28	
23 31 13 13-0212 LF 8" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	36.64	15.67
<i>For 3" WG (Class B), Add</i>	3.92	
<i>For 4" Or 6" WG (Class A), Add</i>	8.36	
<i>For 10" WG (Class A), Add</i>	12.02	
<i>For Work In Restricted Working Space, Add</i>	7.84	
23 31 13 13-0213 LF 8" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	39.25	16.78
<i>For 3" WG (Class B), Add</i>	4.20	
<i>For 4" Or 6" WG (Class A), Add</i>	8.95	
<i>For 10" WG (Class A), Add</i>	12.87	
<i>For Work In Restricted Working Space, Add</i>	8.39	
23 31 13 13-0214 LF 8" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	41.87	17.91
<i>For 3" WG (Class B), Add</i>	4.48	
<i>For 4" Or 6" WG (Class A), Add</i>	9.55	
<i>For 10" WG (Class A), Add</i>	13.73	
<i>For Work In Restricted Working Space, Add</i>	8.96	
23 31 13 13-0215 LF 10" x 10", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	26.17	11.20
<i>For 3" WG (Class B), Add</i>	2.80	
<i>For 4" Or 6" WG (Class A), Add</i>	5.97	
<i>For 10" WG (Class A), Add</i>	8.58	
<i>For Work In Restricted Working Space, Add</i>	5.60	
23 31 13 13-0216 LF 10" x 12", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	28.78	12.31
<i>For 3" WG (Class B), Add</i>	3.08	
<i>For 4" Or 6" WG (Class A), Add</i>	6.57	
<i>For 10" WG (Class A), Add</i>	9.44	
<i>For Work In Restricted Working Space, Add</i>	6.16	
23 31 13 13-0217 LF 10" x 14", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	31.39	13.43
<i>For 3" WG (Class B), Add</i>	3.36	
<i>For 4" Or 6" WG (Class A), Add</i>	7.16	
<i>For 10" WG (Class A), Add</i>	10.29	
<i>For Work In Restricted Working Space, Add</i>	6.71	
23 31 13 13-0218 LF 10" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	34.01	14.55
<i>For 3" WG (Class B), Add</i>	3.64	
<i>For 4" Or 6" WG (Class A), Add</i>	7.76	
<i>For 10" WG (Class A), Add</i>	11.16	
<i>For Work In Restricted Working Space, Add</i>	7.28	
23 31 13 13-0219 LF 10" x 18", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	36.64	15.67
<i>For 3" WG (Class B), Add</i>	3.92	
<i>For 4" Or 6" WG (Class A), Add</i>	8.36	
<i>For 10" WG (Class A), Add</i>	12.02	
<i>For Work In Restricted Working Space, Add</i>	7.84	
23 31 13 13-0220 LF 10" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	39.25	16.78
<i>For 3" WG (Class B), Add</i>	4.20	
<i>For 4" Or 6" WG (Class A), Add</i>	8.95	
<i>For 10" WG (Class A), Add</i>	12.87	
<i>For Work In Restricted Working Space, Add</i>	8.39	
23 31 13 13-0221 LF 10" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	41.87	17.91
<i>For 3" WG (Class B), Add</i>	4.48	
<i>For 4" Or 6" WG (Class A), Add</i>	9.55	
<i>For 10" WG (Class A), Add</i>	13.73	
<i>For Work In Restricted Working Space, Add</i>	8.96	
23 31 13 13-0222 LF 10" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	44.48	19.03
<i>For 3" WG (Class B), Add</i>	4.76	
<i>For 4" Or 6" WG (Class A), Add</i>	10.15	
<i>For 10" WG (Class A), Add</i>	14.59	
<i>For Work In Restricted Working Space, Add</i>	9.51	
23 31 13 13-0223 LF 10" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	47.10	20.15
<i>For 3" WG (Class B), Add</i>	5.04	
<i>For 4" Or 6" WG (Class A), Add</i>	10.75	
<i>For 10" WG (Class A), Add</i>	15.45	
<i>For Work In Restricted Working Space, Add</i>	10.07	
23 31 13 13-0224 LF 10" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	49.72	21.26
<i>For 3" WG (Class B), Add</i>	5.32	
<i>For 4" Or 6" WG (Class A), Add</i>	11.34	
<i>For 10" WG (Class A), Add</i>	16.31	
<i>For Work In Restricted Working Space, Add</i>	10.64	
23 31 13 13-0225 LF 10" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	52.33	22.38
<i>For 3" WG (Class B), Add</i>	5.60	
<i>For 4" Or 6" WG (Class A), Add</i>	11.94	
<i>For 10" WG (Class A), Add</i>	17.16	
<i>For Work In Restricted Working Space, Add</i>	11.19	
23 31 13 13-0226 LF 12" x 12", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	31.39	13.43
<i>For 3" WG (Class B), Add</i>	3.36	
<i>For 4" Or 6" WG (Class A), Add</i>	7.16	
<i>For 10" WG (Class A), Add</i>	10.29	
<i>For Work In Restricted Working Space, Add</i>	6.71	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0227	LF	12" x 14", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	34.01	14.55
			For 3" WG (Class B), Add	3.64	
			For 4" Or 6" WG (Class A), Add	7.76	
			For 10" WG (Class A), Add	11.16	
			For Work In Restricted Working Space, Add	7.28	
23 31 13	13-0228	LF	12" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	36.64	15.67
			For 3" WG (Class B), Add	3.92	
			For 4" Or 6" WG (Class A), Add	8.36	
			For 10" WG (Class A), Add	12.02	
			For Work In Restricted Working Space, Add	7.84	
23 31 13	13-0229	LF	12" x 18", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	39.25	16.78
			For 3" WG (Class B), Add	4.20	
			For 4" Or 6" WG (Class A), Add	8.95	
			For 10" WG (Class A), Add	12.87	
			For Work In Restricted Working Space, Add	8.39	
23 31 13	13-0230	LF	12" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	41.87	17.91
			For 3" WG (Class B), Add	4.48	
			For 4" Or 6" WG (Class A), Add	9.55	
			For 10" WG (Class A), Add	13.73	
			For Work In Restricted Working Space, Add	8.96	
23 31 13	13-0231	LF	12" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	44.48	19.03
			For 3" WG (Class B), Add	4.76	
			For 4" Or 6" WG (Class A), Add	10.15	
			For 10" WG (Class A), Add	14.59	
			For Work In Restricted Working Space, Add	9.51	
23 31 13	13-0232	LF	12" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	47.10	20.15
			For 3" WG (Class B), Add	5.04	
			For 4" Or 6" WG (Class A), Add	10.75	
			For 10" WG (Class A), Add	15.45	
			For Work In Restricted Working Space, Add	10.07	
23 31 13	13-0233	LF	12" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	49.72	21.26
			For 3" WG (Class B), Add	5.32	
			For 4" Or 6" WG (Class A), Add	11.34	
			For 10" WG (Class A), Add	16.31	
			For Work In Restricted Working Space, Add	10.64	
23 31 13	13-0234	LF	12" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	52.33	22.38
			For 3" WG (Class B), Add	5.60	
			For 4" Or 6" WG (Class A), Add	11.94	
			For 10" WG (Class A), Add	17.16	
			For Work In Restricted Working Space, Add	11.19	
23 31 13	13-0235	LF	12" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	54.94	23.50
			For 3" WG (Class B), Add	5.88	
			For 4" Or 6" WG (Class A), Add	12.53	
			For 10" WG (Class A), Add	18.02	
			For Work In Restricted Working Space, Add	11.75	
23 31 13	13-0236	LF	14" x 14", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	36.64	15.67
			For 3" WG (Class B), Add	3.92	
			For 4" Or 6" WG (Class A), Add	8.36	
			For 10" WG (Class A), Add	12.02	
			For Work In Restricted Working Space, Add	7.84	
23 31 13	13-0237	LF	14" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	39.25	16.78
			For 3" WG (Class B), Add	4.20	
			For 4" Or 6" WG (Class A), Add	8.95	
			For 10" WG (Class A), Add	12.87	
			For Work In Restricted Working Space, Add	8.39	
23 31 13	13-0238	LF	14" x 18", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	41.87	17.91
			For 3" WG (Class B), Add	4.48	
			For 4" Or 6" WG (Class A), Add	9.55	
			For 10" WG (Class A), Add	13.73	
			For Work In Restricted Working Space, Add	8.96	
23 31 13	13-0239	LF	14" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	44.48	19.03
			For 3" WG (Class B), Add	4.76	
			For 4" Or 6" WG (Class A), Add	10.15	
			For 10" WG (Class A), Add	14.59	
			For Work In Restricted Working Space, Add	9.51	
23 31 13	13-0240	LF	14" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	47.10	20.15
			For 3" WG (Class B), Add	5.04	
			For 4" Or 6" WG (Class A), Add	10.75	
			For 10" WG (Class A), Add	15.45	
			For Work In Restricted Working Space, Add	10.07	
23 31 13	13-0241	LF	14" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	49.72	21.26
			For 3" WG (Class B), Add	5.32	
			For 4" Or 6" WG (Class A), Add	11.34	
			For 10" WG (Class A), Add	16.31	
			For Work In Restricted Working Space, Add	10.64	
23 31 13	13-0242	LF	14" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	52.33	22.38
			For 3" WG (Class B), Add	5.60	
			For 4" Or 6" WG (Class A), Add	11.94	
			For 10" WG (Class A), Add	17.16	
			For Work In Restricted Working Space, Add	11.19	
23 31 13	13-0243	LF	14" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	54.94	23.50
			For 3" WG (Class B), Add	5.88	
			For 4" Or 6" WG (Class A), Add	12.53	
			For 10" WG (Class A), Add	18.02	
			For Work In Restricted Working Space, Add	11.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0244 LF 14" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	57.57	24.63
<i>For 3" WG (Class B), Add</i>	6.16	
<i>For 4" Or 6" WG (Class A), Add</i>	13.14	
<i>For 10" WG (Class A), Add</i>	18.88	
<i>For Work In Restricted Working Space, Add</i>	12.32	
23 31 13 13-0245 LF 16" x 16", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	41.87	17.91
<i>For 3" WG (Class B), Add</i>	4.48	
<i>For 4" Or 6" WG (Class A), Add</i>	9.55	
<i>For 10" WG (Class A), Add</i>	13.73	
<i>For Work In Restricted Working Space, Add</i>	8.96	
23 31 13 13-0246 LF 16" x 18", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	44.48	19.03
<i>For 3" WG (Class B), Add</i>	4.76	
<i>For 4" Or 6" WG (Class A), Add</i>	10.15	
<i>For 10" WG (Class A), Add</i>	14.59	
<i>For Work In Restricted Working Space, Add</i>	9.51	
23 31 13 13-0247 LF 16" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	47.10	20.15
<i>For 3" WG (Class B), Add</i>	5.04	
<i>For 4" Or 6" WG (Class A), Add</i>	10.75	
<i>For 10" WG (Class A), Add</i>	15.45	
<i>For Work In Restricted Working Space, Add</i>	10.07	
23 31 13 13-0248 LF 16" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	49.72	21.26
<i>For 3" WG (Class B), Add</i>	5.32	
<i>For 4" Or 6" WG (Class A), Add</i>	11.34	
<i>For 10" WG (Class A), Add</i>	16.31	
<i>For Work In Restricted Working Space, Add</i>	10.64	
23 31 13 13-0249 LF 16" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	52.33	22.38
<i>For 3" WG (Class B), Add</i>	5.60	
<i>For 4" Or 6" WG (Class A), Add</i>	11.94	
<i>For 10" WG (Class A), Add</i>	17.16	
<i>For Work In Restricted Working Space, Add</i>	11.19	
23 31 13 13-0250 LF 16" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	54.94	23.50
<i>For 3" WG (Class B), Add</i>	5.88	
<i>For 4" Or 6" WG (Class A), Add</i>	12.53	
<i>For 10" WG (Class A), Add</i>	18.02	
<i>For Work In Restricted Working Space, Add</i>	11.75	
23 31 13 13-0251 LF 16" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	57.57	24.63
<i>For 3" WG (Class B), Add</i>	6.16	
<i>For 4" Or 6" WG (Class A), Add</i>	13.14	
<i>For 10" WG (Class A), Add</i>	18.88	
<i>For Work In Restricted Working Space, Add</i>	12.32	
23 31 13 13-0252 LF 16" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	60.17	25.74
<i>For 3" WG (Class B), Add</i>	6.44	
<i>For 4" Or 6" WG (Class A), Add</i>	13.73	
<i>For 10" WG (Class A), Add</i>	19.73	
<i>For Work In Restricted Working Space, Add</i>	12.87	
23 31 13 13-0253 LF 18" x 18", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	47.10	20.15
<i>For 3" WG (Class B), Add</i>	5.04	
<i>For 4" Or 6" WG (Class A), Add</i>	10.75	
<i>For 10" WG (Class A), Add</i>	15.45	
<i>For Work In Restricted Working Space, Add</i>	10.07	
23 31 13 13-0254 LF 18" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	49.72	21.26
<i>For 3" WG (Class B), Add</i>	5.32	
<i>For 4" Or 6" WG (Class A), Add</i>	11.34	
<i>For 10" WG (Class A), Add</i>	16.31	
<i>For Work In Restricted Working Space, Add</i>	10.64	
23 31 13 13-0255 LF 18" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	52.33	22.38
<i>For 3" WG (Class B), Add</i>	5.60	
<i>For 4" Or 6" WG (Class A), Add</i>	11.94	
<i>For 10" WG (Class A), Add</i>	17.16	
<i>For Work In Restricted Working Space, Add</i>	11.19	
23 31 13 13-0256 LF 18" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	54.94	23.50
<i>For 3" WG (Class B), Add</i>	5.88	
<i>For 4" Or 6" WG (Class A), Add</i>	12.53	
<i>For 10" WG (Class A), Add</i>	18.02	
<i>For Work In Restricted Working Space, Add</i>	11.75	
23 31 13 13-0257 LF 18" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	57.57	24.63
<i>For 3" WG (Class B), Add</i>	6.16	
<i>For 4" Or 6" WG (Class A), Add</i>	13.14	
<i>For 10" WG (Class A), Add</i>	18.88	
<i>For Work In Restricted Working Space, Add</i>	12.32	
23 31 13 13-0258 LF 18" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	60.17	25.74
<i>For 3" WG (Class B), Add</i>	6.44	
<i>For 4" Or 6" WG (Class A), Add</i>	13.73	
<i>For 10" WG (Class A), Add</i>	19.73	
<i>For Work In Restricted Working Space, Add</i>	12.87	
23 31 13 13-0259 LF 18" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	62.79	26.86
<i>For 3" WG (Class B), Add</i>	6.71	
<i>For 4" Or 6" WG (Class A), Add</i>	14.32	
<i>For 10" WG (Class A), Add</i>	20.59	
<i>For Work In Restricted Working Space, Add</i>	13.43	
23 31 13 13-0260 LF 20" x 20", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	52.33	22.38
<i>For 3" WG (Class B), Add</i>	5.60	
<i>For 4" Or 6" WG (Class A), Add</i>	11.94	
<i>For 10" WG (Class A), Add</i>	17.16	
<i>For Work In Restricted Working Space, Add</i>	11.19	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0261 LF 20" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	54.94	23.50
For 3" WG (Class B), Add	5.88	
For 4" Or 6" WG (Class A), Add	12.53	
For 10" WG (Class A), Add	18.02	
For Work In Restricted Working Space, Add	11.75	
23 31 13 13-0262 LF 20" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	57.57	24.63
For 3" WG (Class B), Add	6.16	
For 4" Or 6" WG (Class A), Add	13.14	
For 10" WG (Class A), Add	18.88	
For Work In Restricted Working Space, Add	12.32	
23 31 13 13-0263 LF 20" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	60.17	25.74
For 3" WG (Class B), Add	6.44	
For 4" Or 6" WG (Class A), Add	13.73	
For 10" WG (Class A), Add	19.73	
For Work In Restricted Working Space, Add	12.87	
23 31 13 13-0264 LF 20" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	62.79	26.86
For 3" WG (Class B), Add	6.71	
For 4" Or 6" WG (Class A), Add	14.32	
For 10" WG (Class A), Add	20.59	
For Work In Restricted Working Space, Add	13.43	
23 31 13 13-0265 LF 20" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	65.41	27.98
For 3" WG (Class B), Add	6.99	
For 4" Or 6" WG (Class A), Add	14.92	
For 10" WG (Class A), Add	21.45	
For Work In Restricted Working Space, Add	13.99	
23 31 13 13-0266 LF 22" x 22", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	57.57	24.63
For 3" WG (Class B), Add	6.16	
For 4" Or 6" WG (Class A), Add	13.14	
For 10" WG (Class A), Add	18.88	
For Work In Restricted Working Space, Add	12.32	
23 31 13 13-0267 LF 22" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	60.17	25.74
For 3" WG (Class B), Add	6.44	
For 4" Or 6" WG (Class A), Add	13.73	
For 10" WG (Class A), Add	19.73	
For Work In Restricted Working Space, Add	12.87	
23 31 13 13-0268 LF 22" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	62.79	26.86
For 3" WG (Class B), Add	6.71	
For 4" Or 6" WG (Class A), Add	14.32	
For 10" WG (Class A), Add	20.59	
For Work In Restricted Working Space, Add	13.43	
23 31 13 13-0269 LF 22" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	65.41	27.98
For 3" WG (Class B), Add	6.99	
For 4" Or 6" WG (Class A), Add	14.92	
For 10" WG (Class A), Add	21.45	
For Work In Restricted Working Space, Add	13.99	
23 31 13 13-0270 LF 22" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	68.03	29.10
For 3" WG (Class B), Add	7.28	
For 4" Or 6" WG (Class A), Add	15.52	
For 10" WG (Class A), Add	22.31	
For Work In Restricted Working Space, Add	14.55	
23 31 13 13-0271 LF 24" x 24", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	62.79	26.86
For 3" WG (Class B), Add	6.71	
For 4" Or 6" WG (Class A), Add	14.32	
For 10" WG (Class A), Add	20.59	
For Work In Restricted Working Space, Add	13.43	
23 31 13 13-0272 LF 24" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	65.41	27.98
For 3" WG (Class B), Add	6.99	
For 4" Or 6" WG (Class A), Add	14.92	
For 10" WG (Class A), Add	21.45	
For Work In Restricted Working Space, Add	13.99	
23 31 13 13-0273 LF 24" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	68.03	29.10
For 3" WG (Class B), Add	7.28	
For 4" Or 6" WG (Class A), Add	15.52	
For 10" WG (Class A), Add	22.31	
For Work In Restricted Working Space, Add	14.55	
23 31 13 13-0274 LF 24" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	70.64	30.21
For 3" WG (Class B), Add	7.55	
For 4" Or 6" WG (Class A), Add	16.12	
For 10" WG (Class A), Add	23.17	
For Work In Restricted Working Space, Add	15.11	
23 31 13 13-0275 LF 26" x 26", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	68.03	29.10
For 3" WG (Class B), Add	7.28	
For 4" Or 6" WG (Class A), Add	15.52	
For 10" WG (Class A), Add	22.31	
For Work In Restricted Working Space, Add	14.55	
23 31 13 13-0276 LF 26" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	70.64	30.21
For 3" WG (Class B), Add	7.55	
For 4" Or 6" WG (Class A), Add	16.12	
For 10" WG (Class A), Add	23.17	
For Work In Restricted Working Space, Add	15.11	
23 31 13 13-0277 LF 26" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	73.26	31.33
For 3" WG (Class B), Add	7.83	
For 4" Or 6" WG (Class A), Add	16.71	
For 10" WG (Class A), Add	24.03	
For Work In Restricted Working Space, Add	15.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0278 LF 28" x 28", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	73.26	31.33
<i>For 3" WG (Class B), Add</i>	7.83	
<i>For 4" Or 6" WG (Class A), Add</i>	16.71	
<i>For 10" WG (Class A), Add</i>	24.03	
<i>For Work In Restricted Working Space, Add</i>	15.67	
23 31 13 13-0279 LF 28" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	75.87	32.46
<i>For 3" WG (Class B), Add</i>	8.11	
<i>For 4" Or 6" WG (Class A), Add</i>	17.31	
<i>For 10" WG (Class A), Add</i>	24.88	
<i>For Work In Restricted Working Space, Add</i>	16.23	
23 31 13 13-0280 LF 30" x 30", Up To 2" WG (Class C), 24 Gauge Galvanized Steel Sheet Metal Ductwork.....	78.49	33.58
<i>For 3" WG (Class B), Add</i>	8.39	
<i>For 4" Or 6" WG (Class A), Add</i>	17.91	
<i>For 10" WG (Class A), Add</i>	25.74	
<i>For Work In Restricted Working Space, Add</i>	16.79	
23 31 13 13-0281 22 Gauge Galvanized Steel Metal Ductwork <small>(23 31 13 13-0014)</small>		
23 31 13 13-0282 LF 4" x 4", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	12.72	5.45
<i>For 3" WG (Class B), Add</i>	1.36	
<i>For 4" Or 6" WG (Class A), Add</i>	2.90	
<i>For 10" WG (Class A), Add</i>	4.17	
<i>For Work In Restricted Working Space, Add</i>	2.72	
23 31 13 13-0283 LF 4" x 6", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	15.92	6.81
<i>For 3" WG (Class B), Add</i>	1.70	
<i>For 4" Or 6" WG (Class A), Add</i>	3.63	
<i>For 10" WG (Class A), Add</i>	5.22	
<i>For Work In Restricted Working Space, Add</i>	3.41	
23 31 13 13-0284 LF 4" x 8", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	19.09	8.17
<i>For 3" WG (Class B), Add</i>	2.04	
<i>For 4" Or 6" WG (Class A), Add</i>	4.36	
<i>For 10" WG (Class A), Add</i>	6.26	
<i>For Work In Restricted Working Space, Add</i>	4.08	
23 31 13 13-0285 LF 4" x 10", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	22.27	9.53
<i>For 3" WG (Class B), Add</i>	2.38	
<i>For 4" Or 6" WG (Class A), Add</i>	5.08	
<i>For 10" WG (Class A), Add</i>	7.30	
<i>For Work In Restricted Working Space, Add</i>	4.76	
23 31 13 13-0286 LF 4" x 12", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	25.46	10.88
<i>For 3" WG (Class B), Add</i>	2.72	
<i>For 4" Or 6" WG (Class A), Add</i>	5.81	
<i>For 10" WG (Class A), Add</i>	8.35	
<i>For Work In Restricted Working Space, Add</i>	5.45	
23 31 13 13-0287 LF 4" x 14", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	28.64	12.25
<i>For 3" WG (Class B), Add</i>	3.06	
<i>For 4" Or 6" WG (Class A), Add</i>	6.53	
<i>For 10" WG (Class A), Add</i>	9.39	
<i>For Work In Restricted Working Space, Add</i>	6.13	
23 31 13 13-0288 LF 4" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	31.82	13.61
<i>For 3" WG (Class B), Add</i>	3.40	
<i>For 4" Or 6" WG (Class A), Add</i>	7.26	
<i>For 10" WG (Class A), Add</i>	10.44	
<i>For Work In Restricted Working Space, Add</i>	6.81	
23 31 13 13-0289 LF 6" x 6", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	19.09	8.17
<i>For 3" WG (Class B), Add</i>	2.04	
<i>For 4" Or 6" WG (Class A), Add</i>	4.36	
<i>For 10" WG (Class A), Add</i>	6.26	
<i>For Work In Restricted Working Space, Add</i>	4.08	
23 31 13 13-0290 LF 6" x 8", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	22.27	9.53
<i>For 3" WG (Class B), Add</i>	2.38	
<i>For 4" Or 6" WG (Class A), Add</i>	5.08	
<i>For 10" WG (Class A), Add</i>	7.30	
<i>For Work In Restricted Working Space, Add</i>	4.76	
23 31 13 13-0291 LF 6" x 10", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	25.46	10.88
<i>For 3" WG (Class B), Add</i>	2.72	
<i>For 4" Or 6" WG (Class A), Add</i>	5.81	
<i>For 10" WG (Class A), Add</i>	8.35	
<i>For Work In Restricted Working Space, Add</i>	5.45	
23 31 13 13-0292 LF 6" x 12", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	28.64	12.25
<i>For 3" WG (Class B), Add</i>	3.06	
<i>For 4" Or 6" WG (Class A), Add</i>	6.53	
<i>For 10" WG (Class A), Add</i>	9.39	
<i>For Work In Restricted Working Space, Add</i>	6.13	
23 31 13 13-0293 LF 6" x 14", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	31.82	13.61
<i>For 3" WG (Class B), Add</i>	3.40	
<i>For 4" Or 6" WG (Class A), Add</i>	7.26	
<i>For 10" WG (Class A), Add</i>	10.44	
<i>For Work In Restricted Working Space, Add</i>	6.81	
23 31 13 13-0294 LF 6" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	35.00	14.97
<i>For 3" WG (Class B), Add</i>	3.74	
<i>For 4" Or 6" WG (Class A), Add</i>	7.98	
<i>For 10" WG (Class A), Add</i>	11.48	
<i>For Work In Restricted Working Space, Add</i>	7.49	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0295	LF	8" x 8", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	25.46	10.88
			For 3" WG (Class B), Add	2.72	
			For 4" Or 6" WG (Class A), Add	5.81	
			For 10" WG (Class A), Add	8.35	
			For Work In Restricted Working Space, Add	5.45	
23 31 13	13-0296	LF	8" x 12", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	28.64	12.25
			For 3" WG (Class B), Add	3.06	
			For 4" Or 6" WG (Class A), Add	6.53	
			For 10" WG (Class A), Add	9.39	
			For Work In Restricted Working Space, Add	6.13	
23 31 13	13-0297	LF	8" x 14", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	31.82	13.61
			For 3" WG (Class B), Add	3.40	
			For 4" Or 6" WG (Class A), Add	7.26	
			For 10" WG (Class A), Add	10.44	
			For Work In Restricted Working Space, Add	6.81	
23 31 13	13-0298	LF	8" x 14", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	35.00	14.97
			For 3" WG (Class B), Add	3.74	
			For 4" Or 6" WG (Class A), Add	7.98	
			For 10" WG (Class A), Add	11.48	
			For Work In Restricted Working Space, Add	7.49	
23 31 13	13-0299	LF	8" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	38.18	16.34
			For 3" WG (Class B), Add	4.08	
			For 4" Or 6" WG (Class A), Add	8.71	
			For 10" WG (Class A), Add	12.52	
			For Work In Restricted Working Space, Add	8.17	
23 31 13	13-0300	LF	8" x 18", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	41.38	17.70
			For 3" WG (Class B), Add	4.43	
			For 4" Or 6" WG (Class A), Add	9.44	
			For 10" WG (Class A), Add	13.57	
			For Work In Restricted Working Space, Add	8.85	
23 31 13	13-0301	LF	8" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	44.55	19.06
			For 3" WG (Class B), Add	4.76	
			For 4" Or 6" WG (Class A), Add	10.16	
			For 10" WG (Class A), Add	14.61	
			For Work In Restricted Working Space, Add	9.53	
23 31 13	13-0302	LF	8" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	47.74	20.42
			For 3" WG (Class B), Add	5.11	
			For 4" Or 6" WG (Class A), Add	10.89	
			For 10" WG (Class A), Add	15.66	
			For Work In Restricted Working Space, Add	10.21	
23 31 13	13-0303	LF	8" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	50.91	21.79
			For 3" WG (Class B), Add	5.44	
			For 4" Or 6" WG (Class A), Add	11.61	
			For 10" WG (Class A), Add	16.69	
			For Work In Restricted Working Space, Add	10.89	
23 31 13	13-0304	LF	10" x 10", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	31.82	13.61
			For 3" WG (Class B), Add	3.40	
			For 4" Or 6" WG (Class A), Add	7.26	
			For 10" WG (Class A), Add	10.44	
			For Work In Restricted Working Space, Add	6.81	
23 31 13	13-0305	LF	10" x 12", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	35.00	14.97
			For 3" WG (Class B), Add	3.74	
			For 4" Or 6" WG (Class A), Add	7.98	
			For 10" WG (Class A), Add	11.48	
			For Work In Restricted Working Space, Add	7.49	
23 31 13	13-0306	LF	10" x 14", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	38.18	16.34
			For 3" WG (Class B), Add	4.08	
			For 4" Or 6" WG (Class A), Add	8.71	
			For 10" WG (Class A), Add	12.52	
			For Work In Restricted Working Space, Add	8.17	
23 31 13	13-0307	LF	10" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	41.38	17.70
			For 3" WG (Class B), Add	4.43	
			For 4" Or 6" WG (Class A), Add	9.44	
			For 10" WG (Class A), Add	13.57	
			For Work In Restricted Working Space, Add	8.85	
23 31 13	13-0308	LF	10" x 18", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	44.55	19.06
			For 3" WG (Class B), Add	4.76	
			For 4" Or 6" WG (Class A), Add	10.16	
			For 10" WG (Class A), Add	14.61	
			For Work In Restricted Working Space, Add	9.53	
23 31 13	13-0309	LF	10" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	47.74	20.42
			For 3" WG (Class B), Add	5.11	
			For 4" Or 6" WG (Class A), Add	10.89	
			For 10" WG (Class A), Add	15.66	
			For Work In Restricted Working Space, Add	10.21	
23 31 13	13-0310	LF	10" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	50.91	21.79
			For 3" WG (Class B), Add	5.44	
			For 4" Or 6" WG (Class A), Add	11.61	
			For 10" WG (Class A), Add	16.69	
			For Work In Restricted Working Space, Add	10.89	
23 31 13	13-0311	LF	10" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	54.10	23.14
			For 3" WG (Class B), Add	5.79	
			For 4" Or 6" WG (Class A), Add	12.34	
			For 10" WG (Class A), Add	17.74	
			For Work In Restricted Working Space, Add	11.57	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0312 LF 10" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	57.28	24.51
<i>For 3" WG (Class B), Add</i>	6.13	
<i>For 4" Or 6" WG (Class A), Add</i>	13.07	
<i>For 10" WG (Class A), Add</i>	18.79	
<i>For Work In Restricted Working Space, Add</i>	12.25	
23 31 13 13-0313 LF 10" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	60.47	25.86
<i>For 3" WG (Class B), Add</i>	6.47	
<i>For 4" Or 6" WG (Class A), Add</i>	13.80	
<i>For 10" WG (Class A), Add</i>	19.83	
<i>For Work In Restricted Working Space, Add</i>	12.93	
23 31 13 13-0314 LF 10" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	63.65	27.22
<i>For 3" WG (Class B), Add</i>	6.81	
<i>For 4" Or 6" WG (Class A), Add</i>	14.52	
<i>For 10" WG (Class A), Add</i>	20.87	
<i>For Work In Restricted Working Space, Add</i>	13.61	
23 31 13 13-0315 LF 10" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	66.82	28.59
<i>For 3" WG (Class B), Add</i>	7.15	
<i>For 4" Or 6" WG (Class A), Add</i>	15.24	
<i>For 10" WG (Class A), Add</i>	21.91	
<i>For Work In Restricted Working Space, Add</i>	14.29	
23 31 13 13-0316 LF 12" x 12", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	38.18	16.34
<i>For 3" WG (Class B), Add</i>	4.08	
<i>For 4" Or 6" WG (Class A), Add</i>	8.71	
<i>For 10" WG (Class A), Add</i>	12.52	
<i>For Work In Restricted Working Space, Add</i>	8.17	
23 31 13 13-0317 LF 12" x 14", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	41.38	17.70
<i>For 3" WG (Class B), Add</i>	4.43	
<i>For 4" Or 6" WG (Class A), Add</i>	9.44	
<i>For 10" WG (Class A), Add</i>	13.57	
<i>For Work In Restricted Working Space, Add</i>	8.85	
23 31 13 13-0318 LF 12" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	44.55	19.06
<i>For 3" WG (Class B), Add</i>	4.76	
<i>For 4" Or 6" WG (Class A), Add</i>	10.16	
<i>For 10" WG (Class A), Add</i>	14.61	
<i>For Work In Restricted Working Space, Add</i>	9.53	
23 31 13 13-0319 LF 12" x 18", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	47.74	20.42
<i>For 3" WG (Class B), Add</i>	5.11	
<i>For 4" Or 6" WG (Class A), Add</i>	10.89	
<i>For 10" WG (Class A), Add</i>	15.66	
<i>For Work In Restricted Working Space, Add</i>	10.21	
23 31 13 13-0320 LF 12" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	50.91	21.79
<i>For 3" WG (Class B), Add</i>	5.44	
<i>For 4" Or 6" WG (Class A), Add</i>	11.61	
<i>For 10" WG (Class A), Add</i>	16.69	
<i>For Work In Restricted Working Space, Add</i>	10.89	
23 31 13 13-0321 LF 12" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	54.10	23.14
<i>For 3" WG (Class B), Add</i>	5.79	
<i>For 4" Or 6" WG (Class A), Add</i>	12.34	
<i>For 10" WG (Class A), Add</i>	17.74	
<i>For Work In Restricted Working Space, Add</i>	11.57	
23 31 13 13-0322 LF 12" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	57.28	24.51
<i>For 3" WG (Class B), Add</i>	6.13	
<i>For 4" Or 6" WG (Class A), Add</i>	13.07	
<i>For 10" WG (Class A), Add</i>	18.79	
<i>For Work In Restricted Working Space, Add</i>	12.25	
23 31 13 13-0323 LF 12" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	60.47	25.86
<i>For 3" WG (Class B), Add</i>	6.47	
<i>For 4" Or 6" WG (Class A), Add</i>	13.80	
<i>For 10" WG (Class A), Add</i>	19.83	
<i>For Work In Restricted Working Space, Add</i>	12.93	
23 31 13 13-0324 LF 12" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	63.65	27.22
<i>For 3" WG (Class B), Add</i>	6.81	
<i>For 4" Or 6" WG (Class A), Add</i>	14.52	
<i>For 10" WG (Class A), Add</i>	20.87	
<i>For Work In Restricted Working Space, Add</i>	13.61	
23 31 13 13-0325 LF 12" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	66.82	28.59
<i>For 3" WG (Class B), Add</i>	7.15	
<i>For 4" Or 6" WG (Class A), Add</i>	15.24	
<i>For 10" WG (Class A), Add</i>	21.91	
<i>For Work In Restricted Working Space, Add</i>	14.29	
23 31 13 13-0326 LF 12" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	70.02	29.95
<i>For 3" WG (Class B), Add</i>	7.49	
<i>For 4" Or 6" WG (Class A), Add</i>	15.97	
<i>For 10" WG (Class A), Add</i>	22.96	
<i>For Work In Restricted Working Space, Add</i>	14.98	
23 31 13 13-0327 LF 12" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	73.19	31.31
<i>For 3" WG (Class B), Add</i>	7.83	
<i>For 4" Or 6" WG (Class A), Add</i>	16.70	
<i>For 10" WG (Class A), Add</i>	24.00	
<i>For Work In Restricted Working Space, Add</i>	15.65	
23 31 13 13-0328 LF 12" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	76.37	32.67
<i>For 3" WG (Class B), Add</i>	8.17	
<i>For 4" Or 6" WG (Class A), Add</i>	17.42	
<i>For 10" WG (Class A), Add</i>	25.05	
<i>For Work In Restricted Working Space, Add</i>	16.34	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0329	LF	14" x 14", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	44.55	19.06
			<i>For 3" WG (Class B), Add</i>	4.76	
			<i>For 4" Or 6" WG (Class A), Add</i>	10.16	
			<i>For 10" WG (Class A), Add</i>	14.61	
			<i>For Work In Restricted Working Space, Add</i>	9.53	
23 31 13	13-0330	LF	14" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	47.74	20.42
			<i>For 3" WG (Class B), Add</i>	5.11	
			<i>For 4" Or 6" WG (Class A), Add</i>	10.89	
			<i>For 10" WG (Class A), Add</i>	15.66	
			<i>For Work In Restricted Working Space, Add</i>	10.21	
23 31 13	13-0331	LF	14" x 18", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	50.91	21.79
			<i>For 3" WG (Class B), Add</i>	5.44	
			<i>For 4" Or 6" WG (Class A), Add</i>	11.61	
			<i>For 10" WG (Class A), Add</i>	16.69	
			<i>For Work In Restricted Working Space, Add</i>	10.89	
23 31 13	13-0332	LF	14" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	54.10	23.14
			<i>For 3" WG (Class B), Add</i>	5.79	
			<i>For 4" Or 6" WG (Class A), Add</i>	12.34	
			<i>For 10" WG (Class A), Add</i>	17.74	
			<i>For Work In Restricted Working Space, Add</i>	11.57	
23 31 13	13-0333	LF	14" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	57.28	24.51
			<i>For 3" WG (Class B), Add</i>	6.13	
			<i>For 4" Or 6" WG (Class A), Add</i>	13.07	
			<i>For 10" WG (Class A), Add</i>	18.79	
			<i>For Work In Restricted Working Space, Add</i>	12.25	
23 31 13	13-0334	LF	14" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	60.47	25.86
			<i>For 3" WG (Class B), Add</i>	6.47	
			<i>For 4" Or 6" WG (Class A), Add</i>	13.80	
			<i>For 10" WG (Class A), Add</i>	19.83	
			<i>For Work In Restricted Working Space, Add</i>	12.93	
23 31 13	13-0335	LF	14" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	63.65	27.22
			<i>For 3" WG (Class B), Add</i>	6.81	
			<i>For 4" Or 6" WG (Class A), Add</i>	14.52	
			<i>For 10" WG (Class A), Add</i>	20.87	
			<i>For Work In Restricted Working Space, Add</i>	13.61	
23 31 13	13-0336	LF	14" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	66.82	28.59
			<i>For 3" WG (Class B), Add</i>	7.15	
			<i>For 4" Or 6" WG (Class A), Add</i>	15.24	
			<i>For 10" WG (Class A), Add</i>	21.91	
			<i>For Work In Restricted Working Space, Add</i>	14.29	
23 31 13	13-0337	LF	14" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	70.02	29.95
			<i>For 3" WG (Class B), Add</i>	7.49	
			<i>For 4" Or 6" WG (Class A), Add</i>	15.97	
			<i>For 10" WG (Class A), Add</i>	22.96	
			<i>For Work In Restricted Working Space, Add</i>	14.98	
23 31 13	13-0338	LF	14" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	73.19	31.31
			<i>For 3" WG (Class B), Add</i>	7.83	
			<i>For 4" Or 6" WG (Class A), Add</i>	16.70	
			<i>For 10" WG (Class A), Add</i>	24.00	
			<i>For Work In Restricted Working Space, Add</i>	15.65	
23 31 13	13-0339	LF	14" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	76.37	32.67
			<i>For 3" WG (Class B), Add</i>	8.17	
			<i>For 4" Or 6" WG (Class A), Add</i>	17.42	
			<i>For 10" WG (Class A), Add</i>	25.05	
			<i>For Work In Restricted Working Space, Add</i>	16.34	
23 31 13	13-0340	LF	14" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	79.56	34.04
			<i>For 3" WG (Class B), Add</i>	8.51	
			<i>For 4" Or 6" WG (Class A), Add</i>	18.15	
			<i>For 10" WG (Class A), Add</i>	26.09	
			<i>For Work In Restricted Working Space, Add</i>	17.02	
23 31 13	13-0341	LF	16" x 16", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	50.91	21.79
			<i>For 3" WG (Class B), Add</i>	5.44	
			<i>For 4" Or 6" WG (Class A), Add</i>	11.61	
			<i>For 10" WG (Class A), Add</i>	16.69	
			<i>For Work In Restricted Working Space, Add</i>	10.89	
23 31 13	13-0342	LF	16" x 18", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	54.10	23.14
			<i>For 3" WG (Class B), Add</i>	5.79	
			<i>For 4" Or 6" WG (Class A), Add</i>	12.34	
			<i>For 10" WG (Class A), Add</i>	17.74	
			<i>For Work In Restricted Working Space, Add</i>	11.57	
23 31 13	13-0343	LF	16" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	57.28	24.51
			<i>For 3" WG (Class B), Add</i>	6.13	
			<i>For 4" Or 6" WG (Class A), Add</i>	13.07	
			<i>For 10" WG (Class A), Add</i>	18.79	
			<i>For Work In Restricted Working Space, Add</i>	12.25	
23 31 13	13-0344	LF	16" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	60.47	25.86
			<i>For 3" WG (Class B), Add</i>	6.47	
			<i>For 4" Or 6" WG (Class A), Add</i>	13.80	
			<i>For 10" WG (Class A), Add</i>	19.83	
			<i>For Work In Restricted Working Space, Add</i>	12.93	
23 31 13	13-0345	LF	16" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	63.65	27.22
			<i>For 3" WG (Class B), Add</i>	6.81	
			<i>For 4" Or 6" WG (Class A), Add</i>	14.52	
			<i>For 10" WG (Class A), Add</i>	20.87	
			<i>For Work In Restricted Working Space, Add</i>	13.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0346 LF 16" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	66.82	28.59
<i>For 3" WG (Class B), Add</i>	7.15	
<i>For 4" Or 6" WG (Class A), Add</i>	15.24	
<i>For 10" WG (Class A), Add</i>	21.91	
<i>For Work In Restricted Working Space, Add</i>	14.29	
23 31 13 13-0347 LF 16" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	70.02	29.95
<i>For 3" WG (Class B), Add</i>	7.49	
<i>For 4" Or 6" WG (Class A), Add</i>	15.97	
<i>For 10" WG (Class A), Add</i>	22.96	
<i>For Work In Restricted Working Space, Add</i>	14.98	
23 31 13 13-0348 LF 16" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	73.19	31.31
<i>For 3" WG (Class B), Add</i>	7.83	
<i>For 4" Or 6" WG (Class A), Add</i>	16.70	
<i>For 10" WG (Class A), Add</i>	24.00	
<i>For Work In Restricted Working Space, Add</i>	15.65	
23 31 13 13-0349 LF 16" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	76.37	32.67
<i>For 3" WG (Class B), Add</i>	8.17	
<i>For 4" Or 6" WG (Class A), Add</i>	17.42	
<i>For 10" WG (Class A), Add</i>	25.05	
<i>For Work In Restricted Working Space, Add</i>	16.34	
23 31 13 13-0350 LF 16" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	79.56	34.04
<i>For 3" WG (Class B), Add</i>	8.51	
<i>For 4" Or 6" WG (Class A), Add</i>	18.15	
<i>For 10" WG (Class A), Add</i>	26.09	
<i>For Work In Restricted Working Space, Add</i>	17.02	
23 31 13 13-0351 LF 16" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	82.74	35.39
<i>For 3" WG (Class B), Add</i>	8.85	
<i>For 4" Or 6" WG (Class A), Add</i>	18.88	
<i>For 10" WG (Class A), Add</i>	27.14	
<i>For Work In Restricted Working Space, Add</i>	17.70	
23 31 13 13-0352 LF 16" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	85.92	36.76
<i>For 3" WG (Class B), Add</i>	9.19	
<i>For 4" Or 6" WG (Class A), Add</i>	19.60	
<i>For 10" WG (Class A), Add</i>	28.18	
<i>For Work In Restricted Working Space, Add</i>	18.38	
23 31 13 13-0353 LF 16" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	89.10	38.11
<i>For 3" WG (Class B), Add</i>	9.53	
<i>For 4" Or 6" WG (Class A), Add</i>	20.33	
<i>For 10" WG (Class A), Add</i>	29.22	
<i>For Work In Restricted Working Space, Add</i>	19.06	
23 31 13 13-0354 LF 16" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	92.28	39.48
<i>For 3" WG (Class B), Add</i>	9.87	
<i>For 4" Or 6" WG (Class A), Add</i>	21.05	
<i>For 10" WG (Class A), Add</i>	30.26	
<i>For Work In Restricted Working Space, Add</i>	19.74	
23 31 13 13-0355 LF 16" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	95.47	40.84
<i>For 3" WG (Class B), Add</i>	10.21	
<i>For 4" Or 6" WG (Class A), Add</i>	21.78	
<i>For 10" WG (Class A), Add</i>	31.31	
<i>For Work In Restricted Working Space, Add</i>	20.42	
23 31 13 13-0356 LF 18" x 18", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	57.28	24.51
<i>For 3" WG (Class B), Add</i>	6.13	
<i>For 4" Or 6" WG (Class A), Add</i>	13.07	
<i>For 10" WG (Class A), Add</i>	18.79	
<i>For Work In Restricted Working Space, Add</i>	12.25	
23 31 13 13-0357 LF 18" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	60.47	25.86
<i>For 3" WG (Class B), Add</i>	6.47	
<i>For 4" Or 6" WG (Class A), Add</i>	13.80	
<i>For 10" WG (Class A), Add</i>	19.83	
<i>For Work In Restricted Working Space, Add</i>	12.93	
23 31 13 13-0358 LF 18" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	63.65	27.22
<i>For 3" WG (Class B), Add</i>	6.81	
<i>For 4" Or 6" WG (Class A), Add</i>	14.52	
<i>For 10" WG (Class A), Add</i>	20.87	
<i>For Work In Restricted Working Space, Add</i>	13.61	
23 31 13 13-0359 LF 18" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	66.82	28.59
<i>For 3" WG (Class B), Add</i>	7.15	
<i>For 4" Or 6" WG (Class A), Add</i>	15.24	
<i>For 10" WG (Class A), Add</i>	21.91	
<i>For Work In Restricted Working Space, Add</i>	14.29	
23 31 13 13-0360 LF 18" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	70.02	29.95
<i>For 3" WG (Class B), Add</i>	7.49	
<i>For 4" Or 6" WG (Class A), Add</i>	15.97	
<i>For 10" WG (Class A), Add</i>	22.96	
<i>For Work In Restricted Working Space, Add</i>	14.98	
23 31 13 13-0361 LF 18" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	73.19	31.31
<i>For 3" WG (Class B), Add</i>	7.83	
<i>For 4" Or 6" WG (Class A), Add</i>	16.70	
<i>For 10" WG (Class A), Add</i>	24.00	
<i>For Work In Restricted Working Space, Add</i>	15.65	
23 31 13 13-0362 LF 18" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	76.37	32.67
<i>For 3" WG (Class B), Add</i>	8.17	
<i>For 4" Or 6" WG (Class A), Add</i>	17.42	
<i>For 10" WG (Class A), Add</i>	25.05	
<i>For Work In Restricted Working Space, Add</i>	16.34	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0363	LF	18" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	79.56	34.04
			For 3" WG (Class B), Add	8.51	
			For 4" Or 6" WG (Class A), Add	18.15	
			For 10" WG (Class A), Add	26.09	
			For Work In Restricted Working Space, Add	17.02	
23 31 13	13-0364	LF	18" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	82.74	35.39
			For 3" WG (Class B), Add	8.85	
			For 4" Or 6" WG (Class A), Add	18.88	
			For 10" WG (Class A), Add	27.14	
			For Work In Restricted Working Space, Add	17.70	
23 31 13	13-0365	LF	18" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	85.92	36.76
			For 3" WG (Class B), Add	9.19	
			For 4" Or 6" WG (Class A), Add	19.60	
			For 10" WG (Class A), Add	28.18	
			For Work In Restricted Working Space, Add	18.38	
23 31 13	13-0366	LF	18" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	89.10	38.11
			For 3" WG (Class B), Add	9.53	
			For 4" Or 6" WG (Class A), Add	20.33	
			For 10" WG (Class A), Add	29.22	
			For Work In Restricted Working Space, Add	19.06	
23 31 13	13-0367	LF	18" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	92.28	39.48
			For 3" WG (Class B), Add	9.87	
			For 4" Or 6" WG (Class A), Add	21.05	
			For 10" WG (Class A), Add	30.26	
			For Work In Restricted Working Space, Add	19.74	
23 31 13	13-0368	LF	18" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	95.47	40.84
			For 3" WG (Class B), Add	10.21	
			For 4" Or 6" WG (Class A), Add	21.78	
			For 10" WG (Class A), Add	31.31	
			For Work In Restricted Working Space, Add	20.42	
23 31 13	13-0369	LF	18" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	98.65	42.19
			For 3" WG (Class B), Add	10.55	
			For 4" Or 6" WG (Class A), Add	22.51	
			For 10" WG (Class A), Add	32.35	
			For Work In Restricted Working Space, Add	21.10	
23 31 13	13-0370	LF	18" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	101.84	43.56
			For 3" WG (Class B), Add	10.89	
			For 4" Or 6" WG (Class A), Add	23.24	
			For 10" WG (Class A), Add	33.40	
			For Work In Restricted Working Space, Add	21.78	
23 31 13	13-0371	LF	20" x 20", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	63.65	27.22
			For 3" WG (Class B), Add	6.81	
			For 4" Or 6" WG (Class A), Add	14.52	
			For 10" WG (Class A), Add	20.87	
			For Work In Restricted Working Space, Add	13.61	
23 31 13	13-0372	LF	20" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	66.82	28.59
			For 3" WG (Class B), Add	7.15	
			For 4" Or 6" WG (Class A), Add	15.24	
			For 10" WG (Class A), Add	21.91	
			For Work In Restricted Working Space, Add	14.29	
23 31 13	13-0373	LF	20" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	70.02	29.95
			For 3" WG (Class B), Add	7.49	
			For 4" Or 6" WG (Class A), Add	15.97	
			For 10" WG (Class A), Add	22.96	
			For Work In Restricted Working Space, Add	14.98	
23 31 13	13-0374	LF	20" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	73.19	31.31
			For 3" WG (Class B), Add	7.83	
			For 4" Or 6" WG (Class A), Add	16.70	
			For 10" WG (Class A), Add	24.00	
			For Work In Restricted Working Space, Add	15.65	
23 31 13	13-0375	LF	20" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	76.37	32.67
			For 3" WG (Class B), Add	8.17	
			For 4" Or 6" WG (Class A), Add	17.42	
			For 10" WG (Class A), Add	25.05	
			For Work In Restricted Working Space, Add	16.34	
23 31 13	13-0376	LF	20" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	79.56	34.04
			For 3" WG (Class B), Add	8.51	
			For 4" Or 6" WG (Class A), Add	18.15	
			For 10" WG (Class A), Add	26.09	
			For Work In Restricted Working Space, Add	17.02	
23 31 13	13-0377	LF	20" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	82.74	35.39
			For 3" WG (Class B), Add	8.85	
			For 4" Or 6" WG (Class A), Add	18.88	
			For 10" WG (Class A), Add	27.14	
			For Work In Restricted Working Space, Add	17.70	
23 31 13	13-0378	LF	20" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	85.92	36.76
			For 3" WG (Class B), Add	9.19	
			For 4" Or 6" WG (Class A), Add	19.60	
			For 10" WG (Class A), Add	28.18	
			For Work In Restricted Working Space, Add	18.38	
23 31 13	13-0379	LF	20" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	89.10	38.11
			For 3" WG (Class B), Add	9.53	
			For 4" Or 6" WG (Class A), Add	20.33	
			For 10" WG (Class A), Add	29.22	
			For Work In Restricted Working Space, Add	19.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0380 LF 20" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	92.28	39.48
<i>For 3" WG (Class B), Add</i>	9.87	
<i>For 4" Or 6" WG (Class A), Add</i>	21.05	
<i>For 10" WG (Class A), Add</i>	30.26	
<i>For Work In Restricted Working Space, Add</i>	19.74	
23 31 13 13-0381 LF 20" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	95.47	40.84
<i>For 3" WG (Class B), Add</i>	10.21	
<i>For 4" Or 6" WG (Class A), Add</i>	21.78	
<i>For 10" WG (Class A), Add</i>	31.31	
<i>For Work In Restricted Working Space, Add</i>	20.42	
23 31 13 13-0382 LF 20" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	98.65	42.19
<i>For 3" WG (Class B), Add</i>	10.55	
<i>For 4" Or 6" WG (Class A), Add</i>	22.51	
<i>For 10" WG (Class A), Add</i>	32.35	
<i>For Work In Restricted Working Space, Add</i>	21.10	
23 31 13 13-0383 LF 20" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	101.84	43.56
<i>For 3" WG (Class B), Add</i>	10.89	
<i>For 4" Or 6" WG (Class A), Add</i>	23.24	
<i>For 10" WG (Class A), Add</i>	33.40	
<i>For Work In Restricted Working Space, Add</i>	21.78	
23 31 13 13-0384 LF 20" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	105.01	44.92
<i>For 3" WG (Class B), Add</i>	11.23	
<i>For 4" Or 6" WG (Class A), Add</i>	23.96	
<i>For 10" WG (Class A), Add</i>	34.44	
<i>For Work In Restricted Working Space, Add</i>	22.46	
23 31 13 13-0385 LF 20" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	108.20	46.28
<i>For 3" WG (Class B), Add</i>	11.57	
<i>For 4" Or 6" WG (Class A), Add</i>	24.68	
<i>For 10" WG (Class A), Add</i>	35.48	
<i>For Work In Restricted Working Space, Add</i>	23.14	
23 31 13 13-0386 LF 22" x 22", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	70.02	29.95
<i>For 3" WG (Class B), Add</i>	7.49	
<i>For 4" Or 6" WG (Class A), Add</i>	15.97	
<i>For 10" WG (Class A), Add</i>	22.96	
<i>For Work In Restricted Working Space, Add</i>	14.98	
23 31 13 13-0387 LF 22" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	73.19	31.31
<i>For 3" WG (Class B), Add</i>	7.83	
<i>For 4" Or 6" WG (Class A), Add</i>	16.70	
<i>For 10" WG (Class A), Add</i>	24.00	
<i>For Work In Restricted Working Space, Add</i>	15.65	
23 31 13 13-0388 LF 22" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	76.37	32.67
<i>For 3" WG (Class B), Add</i>	8.17	
<i>For 4" Or 6" WG (Class A), Add</i>	17.42	
<i>For 10" WG (Class A), Add</i>	25.05	
<i>For Work In Restricted Working Space, Add</i>	16.34	
23 31 13 13-0389 LF 22" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	79.56	34.04
<i>For 3" WG (Class B), Add</i>	8.51	
<i>For 4" Or 6" WG (Class A), Add</i>	18.15	
<i>For 10" WG (Class A), Add</i>	26.09	
<i>For Work In Restricted Working Space, Add</i>	17.02	
23 31 13 13-0390 LF 22" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	82.74	35.39
<i>For 3" WG (Class B), Add</i>	8.85	
<i>For 4" Or 6" WG (Class A), Add</i>	18.88	
<i>For 10" WG (Class A), Add</i>	27.14	
<i>For Work In Restricted Working Space, Add</i>	17.70	
23 31 13 13-0391 LF 22" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	85.92	36.76
<i>For 3" WG (Class B), Add</i>	9.19	
<i>For 4" Or 6" WG (Class A), Add</i>	19.60	
<i>For 10" WG (Class A), Add</i>	28.18	
<i>For Work In Restricted Working Space, Add</i>	18.38	
23 31 13 13-0392 LF 22" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	89.10	38.11
<i>For 3" WG (Class B), Add</i>	9.53	
<i>For 4" Or 6" WG (Class A), Add</i>	20.33	
<i>For 10" WG (Class A), Add</i>	29.22	
<i>For Work In Restricted Working Space, Add</i>	19.06	
23 31 13 13-0393 LF 22" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	92.28	39.48
<i>For 3" WG (Class B), Add</i>	9.87	
<i>For 4" Or 6" WG (Class A), Add</i>	21.05	
<i>For 10" WG (Class A), Add</i>	30.26	
<i>For Work In Restricted Working Space, Add</i>	19.74	
23 31 13 13-0394 LF 22" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	95.47	40.84
<i>For 3" WG (Class B), Add</i>	10.21	
<i>For 4" Or 6" WG (Class A), Add</i>	21.78	
<i>For 10" WG (Class A), Add</i>	31.31	
<i>For Work In Restricted Working Space, Add</i>	20.42	
23 31 13 13-0395 LF 22" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	98.65	42.19
<i>For 3" WG (Class B), Add</i>	10.55	
<i>For 4" Or 6" WG (Class A), Add</i>	22.51	
<i>For 10" WG (Class A), Add</i>	32.35	
<i>For Work In Restricted Working Space, Add</i>	21.10	
23 31 13 13-0396 LF 22" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	101.84	43.56
<i>For 3" WG (Class B), Add</i>	10.89	
<i>For 4" Or 6" WG (Class A), Add</i>	23.24	
<i>For 10" WG (Class A), Add</i>	33.40	
<i>For Work In Restricted Working Space, Add</i>	21.78	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0397 LF 22" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	105.01	44.92
For 3" WG (Class B), Add	11.23	
For 4" Or 6" WG (Class A), Add	23.96	
For 10" WG (Class A), Add	34.44	
For Work In Restricted Working Space, Add	22.46	
23 31 13 13-0398 LF 22" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	108.20	46.28
For 3" WG (Class B), Add	11.57	
For 4" Or 6" WG (Class A), Add	24.68	
For 10" WG (Class A), Add	35.48	
For Work In Restricted Working Space, Add	23.14	
23 31 13 13-0399 LF 22" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	111.38	47.64
For 3" WG (Class B), Add	11.91	
For 4" Or 6" WG (Class A), Add	25.41	
For 10" WG (Class A), Add	36.53	
For Work In Restricted Working Space, Add	23.82	
23 31 13 13-0400 LF 24" x 24", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	76.37	32.67
For 3" WG (Class B), Add	8.17	
For 4" Or 6" WG (Class A), Add	17.42	
For 10" WG (Class A), Add	25.05	
For Work In Restricted Working Space, Add	16.34	
23 31 13 13-0401 LF 24" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	79.56	34.04
For 3" WG (Class B), Add	8.51	
For 4" Or 6" WG (Class A), Add	18.15	
For 10" WG (Class A), Add	26.09	
For Work In Restricted Working Space, Add	17.02	
23 31 13 13-0402 LF 24" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	82.74	35.39
For 3" WG (Class B), Add	8.85	
For 4" Or 6" WG (Class A), Add	18.88	
For 10" WG (Class A), Add	27.14	
For Work In Restricted Working Space, Add	17.70	
23 31 13 13-0403 LF 24" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	85.92	36.76
For 3" WG (Class B), Add	9.19	
For 4" Or 6" WG (Class A), Add	19.60	
For 10" WG (Class A), Add	28.18	
For Work In Restricted Working Space, Add	18.38	
23 31 13 13-0404 LF 24" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	89.10	38.11
For 3" WG (Class B), Add	9.53	
For 4" Or 6" WG (Class A), Add	20.33	
For 10" WG (Class A), Add	29.22	
For Work In Restricted Working Space, Add	19.06	
23 31 13 13-0405 LF 24" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	92.28	39.48
For 3" WG (Class B), Add	9.87	
For 4" Or 6" WG (Class A), Add	21.05	
For 10" WG (Class A), Add	30.26	
For Work In Restricted Working Space, Add	19.74	
23 31 13 13-0406 LF 24" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	95.47	40.84
For 3" WG (Class B), Add	10.21	
For 4" Or 6" WG (Class A), Add	21.78	
For 10" WG (Class A), Add	31.31	
For Work In Restricted Working Space, Add	20.42	
23 31 13 13-0407 LF 24" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	98.65	42.19
For 3" WG (Class B), Add	10.55	
For 4" Or 6" WG (Class A), Add	22.51	
For 10" WG (Class A), Add	32.35	
For Work In Restricted Working Space, Add	21.10	
23 31 13 13-0408 LF 24" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	101.84	43.56
For 3" WG (Class B), Add	10.89	
For 4" Or 6" WG (Class A), Add	23.24	
For 10" WG (Class A), Add	33.40	
For Work In Restricted Working Space, Add	21.78	
23 31 13 13-0409 LF 24" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	105.01	44.92
For 3" WG (Class B), Add	11.23	
For 4" Or 6" WG (Class A), Add	23.96	
For 10" WG (Class A), Add	34.44	
For Work In Restricted Working Space, Add	22.46	
23 31 13 13-0410 LF 24" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	108.20	46.28
For 3" WG (Class B), Add	11.57	
For 4" Or 6" WG (Class A), Add	24.68	
For 10" WG (Class A), Add	35.48	
For Work In Restricted Working Space, Add	23.14	
23 31 13 13-0411 LF 24" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	111.38	47.64
For 3" WG (Class B), Add	11.91	
For 4" Or 6" WG (Class A), Add	25.41	
For 10" WG (Class A), Add	36.53	
For Work In Restricted Working Space, Add	23.82	
23 31 13 13-0412 LF 24" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	114.57	49.01
For 3" WG (Class B), Add	12.25	
For 4" Or 6" WG (Class A), Add	26.14	
For 10" WG (Class A), Add	37.57	
For Work In Restricted Working Space, Add	24.50	
23 31 13 13-0413 LF 26" x 26", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	82.74	35.39
For 3" WG (Class B), Add	8.85	
For 4" Or 6" WG (Class A), Add	18.88	
For 10" WG (Class A), Add	27.14	
For Work In Restricted Working Space, Add	17.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0414 LF 26" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	85.92	36.76
<i>For 3" WG (Class B), Add</i>	9.19	
<i>For 4" Or 6" WG (Class A), Add</i>	19.60	
<i>For 10" WG (Class A), Add</i>	28.18	
<i>For Work In Restricted Working Space, Add</i>	18.38	
23 31 13 13-0415 LF 26" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	89.10	38.11
<i>For 3" WG (Class B), Add</i>	9.53	
<i>For 4" Or 6" WG (Class A), Add</i>	20.33	
<i>For 10" WG (Class A), Add</i>	29.22	
<i>For Work In Restricted Working Space, Add</i>	19.06	
23 31 13 13-0416 LF 26" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	92.28	39.48
<i>For 3" WG (Class B), Add</i>	9.87	
<i>For 4" Or 6" WG (Class A), Add</i>	21.05	
<i>For 10" WG (Class A), Add</i>	30.26	
<i>For Work In Restricted Working Space, Add</i>	19.74	
23 31 13 13-0417 LF 26" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	95.47	40.84
<i>For 3" WG (Class B), Add</i>	10.21	
<i>For 4" Or 6" WG (Class A), Add</i>	21.78	
<i>For 10" WG (Class A), Add</i>	31.31	
<i>For Work In Restricted Working Space, Add</i>	20.42	
23 31 13 13-0418 LF 26" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	98.65	42.19
<i>For 3" WG (Class B), Add</i>	10.55	
<i>For 4" Or 6" WG (Class A), Add</i>	22.51	
<i>For 10" WG (Class A), Add</i>	32.35	
<i>For Work In Restricted Working Space, Add</i>	21.10	
23 31 13 13-0419 LF 26" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	101.84	43.56
<i>For 3" WG (Class B), Add</i>	10.89	
<i>For 4" Or 6" WG (Class A), Add</i>	23.24	
<i>For 10" WG (Class A), Add</i>	33.40	
<i>For Work In Restricted Working Space, Add</i>	21.78	
23 31 13 13-0420 LF 26" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	105.01	44.92
<i>For 3" WG (Class B), Add</i>	11.23	
<i>For 4" Or 6" WG (Class A), Add</i>	23.96	
<i>For 10" WG (Class A), Add</i>	34.44	
<i>For Work In Restricted Working Space, Add</i>	22.46	
23 31 13 13-0421 LF 26" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	108.20	46.28
<i>For 3" WG (Class B), Add</i>	11.57	
<i>For 4" Or 6" WG (Class A), Add</i>	24.68	
<i>For 10" WG (Class A), Add</i>	35.48	
<i>For Work In Restricted Working Space, Add</i>	23.14	
23 31 13 13-0422 LF 26" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	111.38	47.64
<i>For 3" WG (Class B), Add</i>	11.91	
<i>For 4" Or 6" WG (Class A), Add</i>	25.41	
<i>For 10" WG (Class A), Add</i>	36.53	
<i>For Work In Restricted Working Space, Add</i>	23.82	
23 31 13 13-0423 LF 26" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	114.57	49.01
<i>For 3" WG (Class B), Add</i>	12.25	
<i>For 4" Or 6" WG (Class A), Add</i>	26.14	
<i>For 10" WG (Class A), Add</i>	37.57	
<i>For Work In Restricted Working Space, Add</i>	24.50	
23 31 13 13-0424 LF 26" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	117.75	50.36
<i>For 3" WG (Class B), Add</i>	12.59	
<i>For 4" Or 6" WG (Class A), Add</i>	26.86	
<i>For 10" WG (Class A), Add</i>	38.62	
<i>For Work In Restricted Working Space, Add</i>	25.19	
23 31 13 13-0425 LF 28" x 28", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	89.10	38.11
<i>For 3" WG (Class B), Add</i>	9.53	
<i>For 4" Or 6" WG (Class A), Add</i>	20.33	
<i>For 10" WG (Class A), Add</i>	29.22	
<i>For Work In Restricted Working Space, Add</i>	19.06	
23 31 13 13-0426 LF 28" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	92.28	39.48
<i>For 3" WG (Class B), Add</i>	9.87	
<i>For 4" Or 6" WG (Class A), Add</i>	21.05	
<i>For 10" WG (Class A), Add</i>	30.26	
<i>For Work In Restricted Working Space, Add</i>	19.74	
23 31 13 13-0427 LF 28" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	95.47	40.84
<i>For 3" WG (Class B), Add</i>	10.21	
<i>For 4" Or 6" WG (Class A), Add</i>	21.78	
<i>For 10" WG (Class A), Add</i>	31.31	
<i>For Work In Restricted Working Space, Add</i>	20.42	
23 31 13 13-0428 LF 28" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	98.65	42.19
<i>For 3" WG (Class B), Add</i>	10.55	
<i>For 4" Or 6" WG (Class A), Add</i>	22.51	
<i>For 10" WG (Class A), Add</i>	32.35	
<i>For Work In Restricted Working Space, Add</i>	21.10	
23 31 13 13-0429 LF 28" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	101.84	43.56
<i>For 3" WG (Class B), Add</i>	10.89	
<i>For 4" Or 6" WG (Class A), Add</i>	23.24	
<i>For 10" WG (Class A), Add</i>	33.40	
<i>For Work In Restricted Working Space, Add</i>	21.78	
23 31 13 13-0430 LF 28" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	105.01	44.92
<i>For 3" WG (Class B), Add</i>	11.23	
<i>For 4" Or 6" WG (Class A), Add</i>	23.96	
<i>For 10" WG (Class A), Add</i>	34.44	
<i>For Work In Restricted Working Space, Add</i>	22.46	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts And Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0431	LF	28" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	108.20	46.28
			<i>For 3" WG (Class B), Add</i>	11.57	
			<i>For 4" Or 6" WG (Class A), Add</i>	24.68	
			<i>For 10" WG (Class A), Add</i>	35.48	
			<i>For Work In Restricted Working Space, Add</i>	23.14	
23 31 13	13-0432	LF	28" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	111.38	47.64
			<i>For 3" WG (Class B), Add</i>	11.91	
			<i>For 4" Or 6" WG (Class A), Add</i>	25.41	
			<i>For 10" WG (Class A), Add</i>	36.53	
			<i>For Work In Restricted Working Space, Add</i>	23.82	
23 31 13	13-0433	LF	28" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	114.57	49.01
			<i>For 3" WG (Class B), Add</i>	12.25	
			<i>For 4" Or 6" WG (Class A), Add</i>	26.14	
			<i>For 10" WG (Class A), Add</i>	37.57	
			<i>For Work In Restricted Working Space, Add</i>	24.50	
23 31 13	13-0434	LF	28" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	117.75	50.36
			<i>For 3" WG (Class B), Add</i>	12.59	
			<i>For 4" Or 6" WG (Class A), Add</i>	26.86	
			<i>For 10" WG (Class A), Add</i>	38.62	
			<i>For Work In Restricted Working Space, Add</i>	25.19	
23 31 13	13-0435	LF	28" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	120.92	51.73
			<i>For 3" WG (Class B), Add</i>	12.93	
			<i>For 4" Or 6" WG (Class A), Add</i>	27.59	
			<i>For 10" WG (Class A), Add</i>	39.66	
			<i>For Work In Restricted Working Space, Add</i>	25.86	
23 31 13	13-0436	LF	30" x 30", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	95.47	40.84
			<i>For 3" WG (Class B), Add</i>	10.21	
			<i>For 4" Or 6" WG (Class A), Add</i>	21.78	
			<i>For 10" WG (Class A), Add</i>	31.31	
			<i>For Work In Restricted Working Space, Add</i>	20.42	
23 31 13	13-0437	LF	30" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	98.65	42.19
			<i>For 3" WG (Class B), Add</i>	10.55	
			<i>For 4" Or 6" WG (Class A), Add</i>	22.51	
			<i>For 10" WG (Class A), Add</i>	32.35	
			<i>For Work In Restricted Working Space, Add</i>	21.10	
23 31 13	13-0438	LF	30" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	101.84	43.56
			<i>For 3" WG (Class B), Add</i>	10.89	
			<i>For 4" Or 6" WG (Class A), Add</i>	23.24	
			<i>For 10" WG (Class A), Add</i>	33.40	
			<i>For Work In Restricted Working Space, Add</i>	21.78	
23 31 13	13-0439	LF	30" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	105.01	44.92
			<i>For 3" WG (Class B), Add</i>	11.23	
			<i>For 4" Or 6" WG (Class A), Add</i>	23.96	
			<i>For 10" WG (Class A), Add</i>	34.44	
			<i>For Work In Restricted Working Space, Add</i>	22.46	
23 31 13	13-0440	LF	30" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	108.20	46.28
			<i>For 3" WG (Class B), Add</i>	11.57	
			<i>For 4" Or 6" WG (Class A), Add</i>	24.68	
			<i>For 10" WG (Class A), Add</i>	35.48	
			<i>For Work In Restricted Working Space, Add</i>	23.14	
23 31 13	13-0441	LF	30" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	111.38	47.64
			<i>For 3" WG (Class B), Add</i>	11.91	
			<i>For 4" Or 6" WG (Class A), Add</i>	25.41	
			<i>For 10" WG (Class A), Add</i>	36.53	
			<i>For Work In Restricted Working Space, Add</i>	23.82	
23 31 13	13-0442	LF	30" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	114.57	49.01
			<i>For 3" WG (Class B), Add</i>	12.25	
			<i>For 4" Or 6" WG (Class A), Add</i>	26.14	
			<i>For 10" WG (Class A), Add</i>	37.57	
			<i>For Work In Restricted Working Space, Add</i>	24.50	
23 31 13	13-0443	LF	30" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	117.75	50.36
			<i>For 3" WG (Class B), Add</i>	12.59	
			<i>For 4" Or 6" WG (Class A), Add</i>	26.86	
			<i>For 10" WG (Class A), Add</i>	38.62	
			<i>For Work In Restricted Working Space, Add</i>	25.19	
23 31 13	13-0444	LF	30" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	120.92	51.73
			<i>For 3" WG (Class B), Add</i>	12.93	
			<i>For 4" Or 6" WG (Class A), Add</i>	27.59	
			<i>For 10" WG (Class A), Add</i>	39.66	
			<i>For Work In Restricted Working Space, Add</i>	25.86	
23 31 13	13-0445	LF	30" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	124.12	53.09
			<i>For 3" WG (Class B), Add</i>	13.27	
			<i>For 4" Or 6" WG (Class A), Add</i>	28.32	
			<i>For 10" WG (Class A), Add</i>	40.71	
			<i>For Work In Restricted Working Space, Add</i>	26.55	
23 31 13	13-0446	LF	32" x 32", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	101.84	43.56
			<i>For 3" WG (Class B), Add</i>	10.89	
			<i>For 4" Or 6" WG (Class A), Add</i>	23.24	
			<i>For 10" WG (Class A), Add</i>	33.40	
			<i>For Work In Restricted Working Space, Add</i>	21.78	
23 31 13	13-0447	LF	32" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	105.01	44.92
			<i>For 3" WG (Class B), Add</i>	11.23	
			<i>For 4" Or 6" WG (Class A), Add</i>	23.96	
			<i>For 10" WG (Class A), Add</i>	34.44	
			<i>For Work In Restricted Working Space, Add</i>	22.46	



Heating, Ventilating, And Air-Conditioning (HVAC) **23**

HVAC Air Distribution **23 30**

HVAC Ducts And Casings **23 31**

23

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 31 13 13-0448	LF	32" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	108.20	46.28
		<i>For 3" WG (Class B), Add</i>	11.57	
		<i>For 4" Or 6" WG (Class A), Add</i>	24.68	
		<i>For 10" WG (Class A), Add</i>	35.48	
		<i>For Work In Restricted Working Space, Add</i>	23.14	
23 31 13 13-0449	LF	32" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	111.38	47.64
		<i>For 3" WG (Class B), Add</i>	11.91	
		<i>For 4" Or 6" WG (Class A), Add</i>	25.41	
		<i>For 10" WG (Class A), Add</i>	36.53	
		<i>For Work In Restricted Working Space, Add</i>	23.82	
23 31 13 13-0450	LF	32" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	114.57	49.01
		<i>For 3" WG (Class B), Add</i>	12.25	
		<i>For 4" Or 6" WG (Class A), Add</i>	26.14	
		<i>For 10" WG (Class A), Add</i>	37.57	
		<i>For Work In Restricted Working Space, Add</i>	24.50	
23 31 13 13-0451	LF	32" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	117.75	50.36
		<i>For 3" WG (Class B), Add</i>	12.59	
		<i>For 4" Or 6" WG (Class A), Add</i>	26.86	
		<i>For 10" WG (Class A), Add</i>	38.62	
		<i>For Work In Restricted Working Space, Add</i>	25.19	
23 31 13 13-0452	LF	32" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	120.92	51.73
		<i>For 3" WG (Class B), Add</i>	12.93	
		<i>For 4" Or 6" WG (Class A), Add</i>	27.59	
		<i>For 10" WG (Class A), Add</i>	39.66	
		<i>For Work In Restricted Working Space, Add</i>	25.86	
23 31 13 13-0453	LF	32" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	124.12	53.09
		<i>For 3" WG (Class B), Add</i>	13.27	
		<i>For 4" Or 6" WG (Class A), Add</i>	28.32	
		<i>For 10" WG (Class A), Add</i>	40.71	
		<i>For Work In Restricted Working Space, Add</i>	26.55	
23 31 13 13-0454	LF	32" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	127.29	54.45
		<i>For 3" WG (Class B), Add</i>	13.61	
		<i>For 4" Or 6" WG (Class A), Add</i>	29.04	
		<i>For 10" WG (Class A), Add</i>	41.75	
		<i>For Work In Restricted Working Space, Add</i>	27.23	
23 31 13 13-0455	LF	34" x 34", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	108.20	46.28
		<i>For 3" WG (Class B), Add</i>	11.57	
		<i>For 4" Or 6" WG (Class A), Add</i>	24.68	
		<i>For 10" WG (Class A), Add</i>	35.48	
		<i>For Work In Restricted Working Space, Add</i>	23.14	
23 31 13 13-0456	LF	34" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	111.38	47.64
		<i>For 3" WG (Class B), Add</i>	11.91	
		<i>For 4" Or 6" WG (Class A), Add</i>	25.41	
		<i>For 10" WG (Class A), Add</i>	36.53	
		<i>For Work In Restricted Working Space, Add</i>	23.82	
23 31 13 13-0457	LF	34" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	114.57	49.01
		<i>For 3" WG (Class B), Add</i>	12.25	
		<i>For 4" Or 6" WG (Class A), Add</i>	26.14	
		<i>For 10" WG (Class A), Add</i>	37.57	
		<i>For Work In Restricted Working Space, Add</i>	24.50	
23 31 13 13-0458	LF	34" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	117.75	50.36
		<i>For 3" WG (Class B), Add</i>	12.59	
		<i>For 4" Or 6" WG (Class A), Add</i>	26.86	
		<i>For 10" WG (Class A), Add</i>	38.62	
		<i>For Work In Restricted Working Space, Add</i>	25.19	
23 31 13 13-0459	LF	34" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	120.92	51.73
		<i>For 3" WG (Class B), Add</i>	12.93	
		<i>For 4" Or 6" WG (Class A), Add</i>	27.59	
		<i>For 10" WG (Class A), Add</i>	39.66	
		<i>For Work In Restricted Working Space, Add</i>	25.86	
23 31 13 13-0460	LF	34" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	124.12	53.09
		<i>For 3" WG (Class B), Add</i>	13.27	
		<i>For 4" Or 6" WG (Class A), Add</i>	28.32	
		<i>For 10" WG (Class A), Add</i>	40.71	
		<i>For Work In Restricted Working Space, Add</i>	26.55	
23 31 13 13-0461	LF	34" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	127.29	54.45
		<i>For 3" WG (Class B), Add</i>	13.61	
		<i>For 4" Or 6" WG (Class A), Add</i>	29.04	
		<i>For 10" WG (Class A), Add</i>	41.75	
		<i>For Work In Restricted Working Space, Add</i>	27.23	
23 31 13 13-0462	LF	34" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	130.47	55.82
		<i>For 3" WG (Class B), Add</i>	13.95	
		<i>For 4" Or 6" WG (Class A), Add</i>	29.77	
		<i>For 10" WG (Class A), Add</i>	42.79	
		<i>For Work In Restricted Working Space, Add</i>	27.91	
23 31 13 13-0463	LF	36" x 36", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	114.57	49.01
		<i>For 3" WG (Class B), Add</i>	12.25	
		<i>For 4" Or 6" WG (Class A), Add</i>	26.14	
		<i>For 10" WG (Class A), Add</i>	37.57	
		<i>For Work In Restricted Working Space, Add</i>	24.50	
23 31 13 13-0464	LF	36" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	117.75	50.36
		<i>For 3" WG (Class B), Add</i>	12.59	
		<i>For 4" Or 6" WG (Class A), Add</i>	26.86	
		<i>For 10" WG (Class A), Add</i>	38.62	
		<i>For Work In Restricted Working Space, Add</i>	25.19	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts And Casings



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0465	LF	36" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	120.92	51.73
		For 3" WG (Class B), Add	12.93	
		For 4" Or 6" WG (Class A), Add	27.59	
		For 10" WG (Class A), Add	39.66	
		For Work In Restricted Working Space, Add	25.86	
23 31 13 13-0466	LF	36" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	124.12	53.09
		For 3" WG (Class B), Add	13.27	
		For 4" Or 6" WG (Class A), Add	28.32	
		For 10" WG (Class A), Add	40.71	
		For Work In Restricted Working Space, Add	26.55	
23 31 13 13-0467	LF	36" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	127.29	54.45
		For 3" WG (Class B), Add	13.61	
		For 4" Or 6" WG (Class A), Add	29.04	
		For 10" WG (Class A), Add	41.75	
		For Work In Restricted Working Space, Add	27.23	
23 31 13 13-0468	LF	36" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	130.47	55.82
		For 3" WG (Class B), Add	13.95	
		For 4" Or 6" WG (Class A), Add	29.77	
		For 10" WG (Class A), Add	42.79	
		For Work In Restricted Working Space, Add	27.91	
23 31 13 13-0469	LF	36" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	133.66	57.18
		For 3" WG (Class B), Add	14.29	
		For 4" Or 6" WG (Class A), Add	30.49	
		For 10" WG (Class A), Add	43.83	
		For Work In Restricted Working Space, Add	28.59	
23 31 13 13-0470	LF	38" x 38", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	120.92	51.73
		For 3" WG (Class B), Add	12.93	
		For 4" Or 6" WG (Class A), Add	27.59	
		For 10" WG (Class A), Add	39.66	
		For Work In Restricted Working Space, Add	25.86	
23 31 13 13-0471	LF	38" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	124.12	53.09
		For 3" WG (Class B), Add	13.27	
		For 4" Or 6" WG (Class A), Add	28.32	
		For 10" WG (Class A), Add	40.71	
		For Work In Restricted Working Space, Add	26.55	
23 31 13 13-0472	LF	38" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	127.29	54.45
		For 3" WG (Class B), Add	13.61	
		For 4" Or 6" WG (Class A), Add	29.04	
		For 10" WG (Class A), Add	41.75	
		For Work In Restricted Working Space, Add	27.23	
23 31 13 13-0473	LF	38" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	130.47	55.82
		For 3" WG (Class B), Add	13.95	
		For 4" Or 6" WG (Class A), Add	29.77	
		For 10" WG (Class A), Add	42.79	
		For Work In Restricted Working Space, Add	27.91	
23 31 13 13-0474	LF	38" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	133.66	57.18
		For 3" WG (Class B), Add	14.29	
		For 4" Or 6" WG (Class A), Add	30.49	
		For 10" WG (Class A), Add	43.83	
		For Work In Restricted Working Space, Add	28.59	
23 31 13 13-0475	LF	38" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	136.84	58.53
		For 3" WG (Class B), Add	14.63	
		For 4" Or 6" WG (Class A), Add	31.22	
		For 10" WG (Class A), Add	44.88	
		For Work In Restricted Working Space, Add	29.27	
23 31 13 13-0476	LF	38" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	140.02	59.89
		For 3" WG (Class B), Add	14.97	
		For 4" Or 6" WG (Class A), Add	31.95	
		For 10" WG (Class A), Add	45.92	
		For Work In Restricted Working Space, Add	29.95	
23 31 13 13-0477	LF	40" x 40", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	127.29	54.45
		For 3" WG (Class B), Add	13.61	
		For 4" Or 6" WG (Class A), Add	29.04	
		For 10" WG (Class A), Add	41.75	
		For Work In Restricted Working Space, Add	27.23	
23 31 13 13-0478	LF	40" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	130.47	55.82
		For 3" WG (Class B), Add	13.95	
		For 4" Or 6" WG (Class A), Add	29.77	
		For 10" WG (Class A), Add	42.79	
		For Work In Restricted Working Space, Add	27.91	
23 31 13 13-0479	LF	40" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	133.66	57.18
		For 3" WG (Class B), Add	14.29	
		For 4" Or 6" WG (Class A), Add	30.49	
		For 10" WG (Class A), Add	43.83	
		For Work In Restricted Working Space, Add	28.59	
23 31 13 13-0480	LF	40" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	136.84	58.53
		For 3" WG (Class B), Add	14.63	
		For 4" Or 6" WG (Class A), Add	31.22	
		For 10" WG (Class A), Add	44.88	
		For Work In Restricted Working Space, Add	29.27	
23 31 13 13-0481	LF	40" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	140.02	59.89
		For 3" WG (Class B), Add	14.97	
		For 4" Or 6" WG (Class A), Add	31.95	
		For 10" WG (Class A), Add	45.92	
		For Work In Restricted Working Space, Add	29.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0482 LF 40" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	143.21	61.26
<i>For 3" WG (Class B), Add</i>	15.32	
<i>For 4" Or 6" WG (Class A), Add</i>	32.67	
<i>For 10" WG (Class A), Add</i>	46.97	
<i>For Work In Restricted Working Space, Add</i>	30.63	
23 31 13 13-0483 LF 40" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	146.38	62.61
<i>For 3" WG (Class B), Add</i>	15.65	
<i>For 4" Or 6" WG (Class A), Add</i>	33.40	
<i>For 10" WG (Class A), Add</i>	48.01	
<i>For Work In Restricted Working Space, Add</i>	31.31	
23 31 13 13-0484 LF 40" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	149.56	63.98
<i>For 3" WG (Class B), Add</i>	15.99	
<i>For 4" Or 6" WG (Class A), Add</i>	34.12	
<i>For 10" WG (Class A), Add</i>	49.05	
<i>For Work In Restricted Working Space, Add</i>	31.99	
23 31 13 13-0485 LF 42" x 42", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	133.66	57.18
<i>For 3" WG (Class B), Add</i>	14.29	
<i>For 4" Or 6" WG (Class A), Add</i>	30.49	
<i>For 10" WG (Class A), Add</i>	43.83	
<i>For Work In Restricted Working Space, Add</i>	28.59	
23 31 13 13-0486 LF 42" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	136.84	58.53
<i>For 3" WG (Class B), Add</i>	14.63	
<i>For 4" Or 6" WG (Class A), Add</i>	31.22	
<i>For 10" WG (Class A), Add</i>	44.88	
<i>For Work In Restricted Working Space, Add</i>	29.27	
23 31 13 13-0487 LF 42" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	140.02	59.89
<i>For 3" WG (Class B), Add</i>	14.97	
<i>For 4" Or 6" WG (Class A), Add</i>	31.95	
<i>For 10" WG (Class A), Add</i>	45.92	
<i>For Work In Restricted Working Space, Add</i>	29.95	
23 31 13 13-0488 LF 42" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	143.21	61.26
<i>For 3" WG (Class B), Add</i>	15.32	
<i>For 4" Or 6" WG (Class A), Add</i>	32.67	
<i>For 10" WG (Class A), Add</i>	46.97	
<i>For Work In Restricted Working Space, Add</i>	30.63	
23 31 13 13-0489 LF 42" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	146.38	62.61
<i>For 3" WG (Class B), Add</i>	15.65	
<i>For 4" Or 6" WG (Class A), Add</i>	33.40	
<i>For 10" WG (Class A), Add</i>	48.01	
<i>For Work In Restricted Working Space, Add</i>	31.31	
23 31 13 13-0490 LF 42" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	149.56	63.98
<i>For 3" WG (Class B), Add</i>	15.99	
<i>For 4" Or 6" WG (Class A), Add</i>	34.12	
<i>For 10" WG (Class A), Add</i>	49.05	
<i>For Work In Restricted Working Space, Add</i>	31.99	
23 31 13 13-0491 LF 42" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	152.75	65.34
<i>For 3" WG (Class B), Add</i>	16.34	
<i>For 4" Or 6" WG (Class A), Add</i>	34.85	
<i>For 10" WG (Class A), Add</i>	50.09	
<i>For Work In Restricted Working Space, Add</i>	32.67	
23 31 13 13-0492 LF 44" x 44", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	140.02	59.89
<i>For 3" WG (Class B), Add</i>	14.97	
<i>For 4" Or 6" WG (Class A), Add</i>	31.95	
<i>For 10" WG (Class A), Add</i>	45.92	
<i>For Work In Restricted Working Space, Add</i>	29.95	
23 31 13 13-0493 LF 44" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	143.21	61.26
<i>For 3" WG (Class B), Add</i>	15.32	
<i>For 4" Or 6" WG (Class A), Add</i>	32.67	
<i>For 10" WG (Class A), Add</i>	46.97	
<i>For Work In Restricted Working Space, Add</i>	30.63	
23 31 13 13-0494 LF 44" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	146.38	62.61
<i>For 3" WG (Class B), Add</i>	15.65	
<i>For 4" Or 6" WG (Class A), Add</i>	33.40	
<i>For 10" WG (Class A), Add</i>	48.01	
<i>For Work In Restricted Working Space, Add</i>	31.31	
23 31 13 13-0495 LF 44" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	149.56	63.98
<i>For 3" WG (Class B), Add</i>	15.99	
<i>For 4" Or 6" WG (Class A), Add</i>	34.12	
<i>For 10" WG (Class A), Add</i>	49.05	
<i>For Work In Restricted Working Space, Add</i>	31.99	
23 31 13 13-0496 LF 44" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	152.75	65.34
<i>For 3" WG (Class B), Add</i>	16.34	
<i>For 4" Or 6" WG (Class A), Add</i>	34.85	
<i>For 10" WG (Class A), Add</i>	50.09	
<i>For Work In Restricted Working Space, Add</i>	32.67	
23 31 13 13-0497 LF 44" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	155.94	66.70
<i>For 3" WG (Class B), Add</i>	16.68	
<i>For 4" Or 6" WG (Class A), Add</i>	35.58	
<i>For 10" WG (Class A), Add</i>	51.14	
<i>For Work In Restricted Working Space, Add</i>	33.35	
23 31 13 13-0498 LF 46" x 46", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	146.38	62.61
<i>For 3" WG (Class B), Add</i>	15.65	
<i>For 4" Or 6" WG (Class A), Add</i>	33.40	
<i>For 10" WG (Class A), Add</i>	48.01	
<i>For Work In Restricted Working Space, Add</i>	31.31	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 31 13 13-0499	LF	46" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	149.56		63.98
		<i>For 3" WG (Class B), Add</i>	15.99		
		<i>For 4" Or 6" WG (Class A), Add</i>	34.12		
		<i>For 10" WG (Class A), Add</i>	49.05		
		<i>For Work In Restricted Working Space, Add</i>	31.99		
23 31 13 13-0500	LF	46" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	152.75		65.34
		<i>For 3" WG (Class B), Add</i>	16.34		
		<i>For 4" Or 6" WG (Class A), Add</i>	34.85		
		<i>For 10" WG (Class A), Add</i>	50.09		
		<i>For Work In Restricted Working Space, Add</i>	32.67		
23 31 13 13-0501	LF	46" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	155.94		66.70
		<i>For 3" WG (Class B), Add</i>	16.68		
		<i>For 4" Or 6" WG (Class A), Add</i>	35.58		
		<i>For 10" WG (Class A), Add</i>	51.14		
		<i>For Work In Restricted Working Space, Add</i>	33.35		
23 31 13 13-0502	LF	46" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	159.10		68.07
		<i>For 3" WG (Class B), Add</i>	17.01		
		<i>For 4" Or 6" WG (Class A), Add</i>	36.30		
		<i>For 10" WG (Class A), Add</i>	52.18		
		<i>For Work In Restricted Working Space, Add</i>	34.03		
23 31 13 13-0503	LF	48" x 48", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	152.75		65.34
		<i>For 3" WG (Class B), Add</i>	16.34		
		<i>For 4" Or 6" WG (Class A), Add</i>	34.85		
		<i>For 10" WG (Class A), Add</i>	50.09		
		<i>For Work In Restricted Working Space, Add</i>	32.67		
23 31 13 13-0504	LF	48" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	155.94		66.70
		<i>For 3" WG (Class B), Add</i>	16.68		
		<i>For 4" Or 6" WG (Class A), Add</i>	35.58		
		<i>For 10" WG (Class A), Add</i>	51.14		
		<i>For Work In Restricted Working Space, Add</i>	33.35		
23 31 13 13-0505	LF	48" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	159.10		68.07
		<i>For 3" WG (Class B), Add</i>	17.01		
		<i>For 4" Or 6" WG (Class A), Add</i>	36.30		
		<i>For 10" WG (Class A), Add</i>	52.18		
		<i>For Work In Restricted Working Space, Add</i>	34.03		
23 31 13 13-0506	LF	48" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	162.30		69.43
		<i>For 3" WG (Class B), Add</i>	17.36		
		<i>For 4" Or 6" WG (Class A), Add</i>	37.03		
		<i>For 10" WG (Class A), Add</i>	53.23		
		<i>For Work In Restricted Working Space, Add</i>	34.71		
23 31 13 13-0507	LF	50" x 50", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	159.10		68.07
		<i>For 3" WG (Class B), Add</i>	17.01		
		<i>For 4" Or 6" WG (Class A), Add</i>	36.30		
		<i>For 10" WG (Class A), Add</i>	52.18		
		<i>For Work In Restricted Working Space, Add</i>	34.03		
23 31 13 13-0508	LF	50" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	162.30		69.43
		<i>For 3" WG (Class B), Add</i>	17.36		
		<i>For 4" Or 6" WG (Class A), Add</i>	37.03		
		<i>For 10" WG (Class A), Add</i>	53.23		
		<i>For Work In Restricted Working Space, Add</i>	34.71		
23 31 13 13-0509	LF	50" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	165.48		70.79
		<i>For 3" WG (Class B), Add</i>	17.70		
		<i>For 4" Or 6" WG (Class A), Add</i>	37.75		
		<i>For 10" WG (Class A), Add</i>	54.27		
		<i>For Work In Restricted Working Space, Add</i>	35.39		
23 31 13 13-0510	LF	52" x 52", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	165.48		70.79
		<i>For 3" WG (Class B), Add</i>	17.70		
		<i>For 4" Or 6" WG (Class A), Add</i>	37.75		
		<i>For 10" WG (Class A), Add</i>	54.27		
		<i>For Work In Restricted Working Space, Add</i>	35.39		
23 31 13 13-0511	LF	52" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	168.67		72.15
		<i>For 3" WG (Class B), Add</i>	18.04		
		<i>For 4" Or 6" WG (Class A), Add</i>	38.48		
		<i>For 10" WG (Class A), Add</i>	55.32		
		<i>For Work In Restricted Working Space, Add</i>	36.08		
23 31 13 13-0512	LF	54" x 54", Up To 2" WG (Class C), 22 Gauge Galvanized Steel Sheet Metal Ductwork.....	171.85		73.52
		<i>For 3" WG (Class B), Add</i>	18.38		
		<i>For 4" Or 6" WG (Class A), Add</i>	39.21		
		<i>For 10" WG (Class A), Add</i>	56.36		
		<i>For Work In Restricted Working Space, Add</i>	36.76		
23 31 13 13-0513		20 Gauge Galvanized Steel Metal Ductwork <small>(23 31 13 13-0014)</small>			
23 31 13 13-0514	LF	4" x 4", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	14.98		6.41
		<i>For 3" WG (Class B), Add</i>	1.60		
		<i>For 4" Or 6" WG (Class A), Add</i>	3.42		
		<i>For 10" WG (Class A), Add</i>	4.92		
		<i>For Work In Restricted Working Space, Add</i>	3.21		
23 31 13 13-0515	LF	4" x 6", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	18.74		8.01
		<i>For 3" WG (Class B), Add</i>	2.00		
		<i>For 4" Or 6" WG (Class A), Add</i>	4.28		
		<i>For 10" WG (Class A), Add</i>	6.15		
		<i>For Work In Restricted Working Space, Add</i>	4.01		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13	13-0516	LF 4" x 8", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	22.50	9.62
			<i>For 3" WG (Class B), Add</i>	2.41	
			<i>For 4" Or 6" WG (Class A), Add</i>	5.13	
			<i>For 10" WG (Class A), Add</i>	7.38	
			<i>For Work In Restricted Working Space, Add</i>	4.81	
23 31	13	13-0517	LF 4" x 10", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	26.23	11.23
			<i>For 3" WG (Class B), Add</i>	2.81	
			<i>For 4" Or 6" WG (Class A), Add</i>	5.99	
			<i>For 10" WG (Class A), Add</i>	8.61	
			<i>For Work In Restricted Working Space, Add</i>	5.61	
23 31	13	13-0518	LF 4" x 12", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	29.98	12.83
			<i>For 3" WG (Class B), Add</i>	3.21	
			<i>For 4" Or 6" WG (Class A), Add</i>	6.84	
			<i>For 10" WG (Class A), Add</i>	9.83	
			<i>For Work In Restricted Working Space, Add</i>	6.41	
23 31	13	13-0519	LF 4" x 14", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	33.74	14.43
			<i>For 3" WG (Class B), Add</i>	3.61	
			<i>For 4" Or 6" WG (Class A), Add</i>	7.70	
			<i>For 10" WG (Class A), Add</i>	11.06	
			<i>For Work In Restricted Working Space, Add</i>	7.22	
23 31	13	13-0520	LF 4" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	37.48	16.04
			<i>For 3" WG (Class B), Add</i>	4.01	
			<i>For 4" Or 6" WG (Class A), Add</i>	8.55	
			<i>For 10" WG (Class A), Add</i>	12.29	
			<i>For Work In Restricted Working Space, Add</i>	8.02	
23 31	13	13-0521	LF 6" x 6", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	22.50	9.62
			<i>For 3" WG (Class B), Add</i>	2.41	
			<i>For 4" Or 6" WG (Class A), Add</i>	5.13	
			<i>For 10" WG (Class A), Add</i>	7.38	
			<i>For Work In Restricted Working Space, Add</i>	4.81	
23 31	13	13-0522	LF 6" x 8", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	26.23	11.23
			<i>For 3" WG (Class B), Add</i>	2.81	
			<i>For 4" Or 6" WG (Class A), Add</i>	5.99	
			<i>For 10" WG (Class A), Add</i>	8.61	
			<i>For Work In Restricted Working Space, Add</i>	5.61	
23 31	13	13-0523	LF 6" x 10", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	29.98	12.83
			<i>For 3" WG (Class B), Add</i>	3.21	
			<i>For 4" Or 6" WG (Class A), Add</i>	6.84	
			<i>For 10" WG (Class A), Add</i>	9.83	
			<i>For Work In Restricted Working Space, Add</i>	6.41	
23 31	13	13-0524	LF 6" x 12", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	33.74	14.43
			<i>For 3" WG (Class B), Add</i>	3.61	
			<i>For 4" Or 6" WG (Class A), Add</i>	7.70	
			<i>For 10" WG (Class A), Add</i>	11.06	
			<i>For Work In Restricted Working Space, Add</i>	7.22	
23 31	13	13-0525	LF 6" x 14", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	37.48	16.04
			<i>For 3" WG (Class B), Add</i>	4.01	
			<i>For 4" Or 6" WG (Class A), Add</i>	8.55	
			<i>For 10" WG (Class A), Add</i>	12.29	
			<i>For Work In Restricted Working Space, Add</i>	8.02	
23 31	13	13-0526	LF 6" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	41.24	17.64
			<i>For 3" WG (Class B), Add</i>	4.41	
			<i>For 4" Or 6" WG (Class A), Add</i>	9.41	
			<i>For 10" WG (Class A), Add</i>	13.52	
			<i>For Work In Restricted Working Space, Add</i>	8.82	
23 31	13	13-0527	LF 8" x 8", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	29.98	12.83
			<i>For 3" WG (Class B), Add</i>	3.21	
			<i>For 4" Or 6" WG (Class A), Add</i>	6.84	
			<i>For 10" WG (Class A), Add</i>	9.83	
			<i>For Work In Restricted Working Space, Add</i>	6.41	
23 31	13	13-0528	LF 8" x 10", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	33.74	14.43
			<i>For 3" WG (Class B), Add</i>	3.61	
			<i>For 4" Or 6" WG (Class A), Add</i>	7.70	
			<i>For 10" WG (Class A), Add</i>	11.06	
			<i>For Work In Restricted Working Space, Add</i>	7.22	
23 31	13	13-0529	LF 8" x 12", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	37.48	16.04
			<i>For 3" WG (Class B), Add</i>	4.01	
			<i>For 4" Or 6" WG (Class A), Add</i>	8.55	
			<i>For 10" WG (Class A), Add</i>	12.29	
			<i>For Work In Restricted Working Space, Add</i>	8.02	
23 31	13	13-0530	LF 8" x 14", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	41.24	17.64
			<i>For 3" WG (Class B), Add</i>	4.41	
			<i>For 4" Or 6" WG (Class A), Add</i>	9.41	
			<i>For 10" WG (Class A), Add</i>	13.52	
			<i>For Work In Restricted Working Space, Add</i>	8.82	
23 31	13	13-0531	LF 8" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	44.97	19.24
			<i>For 3" WG (Class B), Add</i>	4.81	
			<i>For 4" Or 6" WG (Class A), Add</i>	10.26	
			<i>For 10" WG (Class A), Add</i>	14.75	
			<i>For Work In Restricted Working Space, Add</i>	9.62	
23 31	13	13-0532	LF 8" x 18", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	48.72	20.84
			<i>For 3" WG (Class B), Add</i>	5.21	
			<i>For 4" Or 6" WG (Class A), Add</i>	11.11	
			<i>For 10" WG (Class A), Add</i>	15.98	
			<i>For Work In Restricted Working Space, Add</i>	10.42	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts And Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-0533	LF	8" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	52.48	22.45
			For 3" WG (Class B), Add	5.61	
			For 4" Or 6" WG (Class A), Add	11.97	
			For 10" WG (Class A), Add	17.21	
			For Work In Restricted Working Space, Add	11.22	
23 31	13 13-0534	LF	8" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	56.21	24.05
			For 3" WG (Class B), Add	6.01	
			For 4" Or 6" WG (Class A), Add	12.83	
			For 10" WG (Class A), Add	18.44	
			For Work In Restricted Working Space, Add	12.02	
23 31	13 13-0535	LF	8" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	59.98	25.65
			For 3" WG (Class B), Add	6.41	
			For 4" Or 6" WG (Class A), Add	13.68	
			For 10" WG (Class A), Add	19.67	
			For Work In Restricted Working Space, Add	12.83	
23 31	13 13-0536	LF	10" x 10", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	37.48	16.04
			For 3" WG (Class B), Add	4.01	
			For 4" Or 6" WG (Class A), Add	8.55	
			For 10" WG (Class A), Add	12.29	
			For Work In Restricted Working Space, Add	8.02	
23 31	13 13-0537	LF	10" x 12", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	41.24	17.64
			For 3" WG (Class B), Add	4.41	
			For 4" Or 6" WG (Class A), Add	9.41	
			For 10" WG (Class A), Add	13.52	
			For Work In Restricted Working Space, Add	8.82	
23 31	13 13-0538	LF	10" x 14", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	44.97	19.24
			For 3" WG (Class B), Add	4.81	
			For 4" Or 6" WG (Class A), Add	10.26	
			For 10" WG (Class A), Add	14.75	
			For Work In Restricted Working Space, Add	9.62	
23 31	13 13-0539	LF	10" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	48.72	20.84
			For 3" WG (Class B), Add	5.21	
			For 4" Or 6" WG (Class A), Add	11.11	
			For 10" WG (Class A), Add	15.98	
			For Work In Restricted Working Space, Add	10.42	
23 31	13 13-0540	LF	10" x 18", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	52.48	22.45
			For 3" WG (Class B), Add	5.61	
			For 4" Or 6" WG (Class A), Add	11.97	
			For 10" WG (Class A), Add	17.21	
			For Work In Restricted Working Space, Add	11.22	
23 31	13 13-0541	LF	10" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	56.21	24.05
			For 3" WG (Class B), Add	6.01	
			For 4" Or 6" WG (Class A), Add	12.83	
			For 10" WG (Class A), Add	18.44	
			For Work In Restricted Working Space, Add	12.02	
23 31	13 13-0542	LF	10" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	59.98	25.65
			For 3" WG (Class B), Add	6.41	
			For 4" Or 6" WG (Class A), Add	13.68	
			For 10" WG (Class A), Add	19.67	
			For Work In Restricted Working Space, Add	12.83	
23 31	13 13-0543	LF	10" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	63.73	27.25
			For 3" WG (Class B), Add	6.81	
			For 4" Or 6" WG (Class A), Add	14.54	
			For 10" WG (Class A), Add	20.90	
			For Work In Restricted Working Space, Add	13.63	
23 31	13 13-0544	LF	10" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	67.46	28.86
			For 3" WG (Class B), Add	7.22	
			For 4" Or 6" WG (Class A), Add	15.39	
			For 10" WG (Class A), Add	22.13	
			For Work In Restricted Working Space, Add	14.43	
23 31	13 13-0545	LF	10" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	71.22	30.47
			For 3" WG (Class B), Add	7.62	
			For 4" Or 6" WG (Class A), Add	16.25	
			For 10" WG (Class A), Add	23.35	
			For Work In Restricted Working Space, Add	15.23	
23 31	13 13-0546	LF	10" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	74.95	32.07
			For 3" WG (Class B), Add	8.02	
			For 4" Or 6" WG (Class A), Add	17.10	
			For 10" WG (Class A), Add	24.58	
			For Work In Restricted Working Space, Add	16.03	
23 31	13 13-0547	LF	10" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	78.71	33.67
			For 3" WG (Class B), Add	8.42	
			For 4" Or 6" WG (Class A), Add	17.96	
			For 10" WG (Class A), Add	25.82	
			For Work In Restricted Working Space, Add	16.84	
23 31	13 13-0548	LF	10" x 12", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	44.97	19.24
			For 3" WG (Class B), Add	4.81	
			For 4" Or 6" WG (Class A), Add	10.26	
			For 10" WG (Class A), Add	14.75	
			For Work In Restricted Working Space, Add	9.62	
23 31	13 13-0549	LF	12" x 14", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	48.72	20.84
			For 3" WG (Class B), Add	5.21	
			For 4" Or 6" WG (Class A), Add	11.11	
			For 10" WG (Class A), Add	15.98	
			For Work In Restricted Working Space, Add	10.42	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-0550	LF	12" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	52.48	22.45
			<i>For 3" WG (Class B), Add</i>	5.61	
			<i>For 4" Or 6" WG (Class A), Add</i>	11.97	
			<i>For 10" WG (Class A), Add</i>	17.21	
			<i>For Work In Restricted Working Space, Add</i>	11.22	
23 31	13 13-0551	LF	12" x 18", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	56.21	24.05
			<i>For 3" WG (Class B), Add</i>	6.01	
			<i>For 4" Or 6" WG (Class A), Add</i>	12.83	
			<i>For 10" WG (Class A), Add</i>	18.44	
			<i>For Work In Restricted Working Space, Add</i>	12.02	
23 31	13 13-0552	LF	12" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	59.98	25.65
			<i>For 3" WG (Class B), Add</i>	6.41	
			<i>For 4" Or 6" WG (Class A), Add</i>	13.68	
			<i>For 10" WG (Class A), Add</i>	19.67	
			<i>For Work In Restricted Working Space, Add</i>	12.83	
23 31	13 13-0553	LF	12" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	63.73	27.25
			<i>For 3" WG (Class B), Add</i>	6.81	
			<i>For 4" Or 6" WG (Class A), Add</i>	14.54	
			<i>For 10" WG (Class A), Add</i>	20.90	
			<i>For Work In Restricted Working Space, Add</i>	13.63	
23 31	13 13-0554	LF	12" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	67.46	28.86
			<i>For 3" WG (Class B), Add</i>	7.22	
			<i>For 4" Or 6" WG (Class A), Add</i>	15.39	
			<i>For 10" WG (Class A), Add</i>	22.13	
			<i>For Work In Restricted Working Space, Add</i>	14.43	
23 31	13 13-0555	LF	12" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	71.22	30.47
			<i>For 3" WG (Class B), Add</i>	7.62	
			<i>For 4" Or 6" WG (Class A), Add</i>	16.25	
			<i>For 10" WG (Class A), Add</i>	23.35	
			<i>For Work In Restricted Working Space, Add</i>	15.23	
23 31	13 13-0556	LF	12" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	74.95	32.07
			<i>For 3" WG (Class B), Add</i>	8.02	
			<i>For 4" Or 6" WG (Class A), Add</i>	17.10	
			<i>For 10" WG (Class A), Add</i>	24.58	
			<i>For Work In Restricted Working Space, Add</i>	16.03	
23 31	13 13-0557	LF	12" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	78.71	33.67
			<i>For 3" WG (Class B), Add</i>	8.42	
			<i>For 4" Or 6" WG (Class A), Add</i>	17.96	
			<i>For 10" WG (Class A), Add</i>	25.82	
			<i>For Work In Restricted Working Space, Add</i>	16.84	
23 31	13 13-0558	LF	12" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	82.47	35.28
			<i>For 3" WG (Class B), Add</i>	8.82	
			<i>For 4" Or 6" WG (Class A), Add</i>	18.81	
			<i>For 10" WG (Class A), Add</i>	27.04	
			<i>For Work In Restricted Working Space, Add</i>	17.64	
23 31	13 13-0559	LF	12" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	86.20	36.88
			<i>For 3" WG (Class B), Add</i>	9.22	
			<i>For 4" Or 6" WG (Class A), Add</i>	19.67	
			<i>For 10" WG (Class A), Add</i>	28.27	
			<i>For Work In Restricted Working Space, Add</i>	18.44	
23 31	13 13-0560	LF	12" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	89.96	38.48
			<i>For 3" WG (Class B), Add</i>	9.62	
			<i>For 4" Or 6" WG (Class A), Add</i>	20.52	
			<i>For 10" WG (Class A), Add</i>	29.50	
			<i>For Work In Restricted Working Space, Add</i>	19.24	
23 31	13 13-0561	LF	14" x 14", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	52.48	22.45
			<i>For 3" WG (Class B), Add</i>	5.61	
			<i>For 4" Or 6" WG (Class A), Add</i>	11.97	
			<i>For 10" WG (Class A), Add</i>	17.21	
			<i>For Work In Restricted Working Space, Add</i>	11.22	
23 31	13 13-0562	LF	14" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	56.21	24.05
			<i>For 3" WG (Class B), Add</i>	6.01	
			<i>For 4" Or 6" WG (Class A), Add</i>	12.83	
			<i>For 10" WG (Class A), Add</i>	18.44	
			<i>For Work In Restricted Working Space, Add</i>	12.02	
23 31	13 13-0563	LF	14" x 18", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	59.98	25.65
			<i>For 3" WG (Class B), Add</i>	6.41	
			<i>For 4" Or 6" WG (Class A), Add</i>	13.68	
			<i>For 10" WG (Class A), Add</i>	19.67	
			<i>For Work In Restricted Working Space, Add</i>	12.83	
23 31	13 13-0564	LF	14" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	63.73	27.25
			<i>For 3" WG (Class B), Add</i>	6.81	
			<i>For 4" Or 6" WG (Class A), Add</i>	14.54	
			<i>For 10" WG (Class A), Add</i>	20.90	
			<i>For Work In Restricted Working Space, Add</i>	13.63	
23 31	13 13-0565	LF	14" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	67.46	28.86
			<i>For 3" WG (Class B), Add</i>	7.22	
			<i>For 4" Or 6" WG (Class A), Add</i>	15.39	
			<i>For 10" WG (Class A), Add</i>	22.13	
			<i>For Work In Restricted Working Space, Add</i>	14.43	
23 31	13 13-0566	LF	14" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	71.22	30.47
			<i>For 3" WG (Class B), Add</i>	7.62	
			<i>For 4" Or 6" WG (Class A), Add</i>	16.25	
			<i>For 10" WG (Class A), Add</i>	23.35	
			<i>For Work In Restricted Working Space, Add</i>	15.23	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts And Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13	13-0567	LF 14" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	74.95 8.02 17.10 24.58 16.03	32.07
23 31	13	13-0568	LF 14" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	78.71 8.42 17.96 25.82 16.84	33.67
23 31	13	13-0569	LF 14" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	82.47 8.82 18.81 27.04 17.64	35.28
23 31	13	13-0570	LF 14" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	86.20 9.22 19.67 28.27 18.44	36.88
23 31	13	13-0571	LF 14" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	89.96 9.62 20.52 29.50 19.24	38.48
23 31	13	13-0572	LF 14" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	93.70 10.02 21.38 30.73 20.04	40.08
23 31	13	13-0573	LF 16" x 16", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	59.98 6.41 13.68 19.67 12.83	25.65
23 31	13	13-0574	LF 16" x 18", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	63.73 6.81 14.54 20.90 13.63	27.25
23 31	13	13-0575	LF 16" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	67.46 7.22 15.39 22.13 14.43	28.86
23 31	13	13-0576	LF 16" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	71.22 7.62 16.25 23.35 15.23	30.47
23 31	13	13-0577	LF 16" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	74.95 8.02 17.10 24.58 16.03	32.07
23 31	13	13-0578	LF 16" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	78.71 8.42 17.96 25.82 16.84	33.67
23 31	13	13-0579	LF 16" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	82.47 8.82 18.81 27.04 17.64	35.28
23 31	13	13-0580	LF 16" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	86.20 9.22 19.67 28.27 18.44	36.88
23 31	13	13-0581	LF 16" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	89.96 9.62 20.52 29.50 19.24	38.48
23 31	13	13-0582	LF 16" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	93.70 10.02 21.38 30.73 20.04	40.08
23 31	13	13-0583	LF 16" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	97.45 10.42 22.23 31.96 20.84	41.69



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0584 LF 16" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	101.21	43.29
<i>For 3" WG (Class B), Add</i>	10.82	
<i>For 4" Or 6" WG (Class A), Add</i>	23.09	
<i>For 10" WG (Class A), Add</i>	33.19	
<i>For Work In Restricted Working Space, Add</i>	21.65	
23 31 13 13-0585 LF 16" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	104.94	44.89
<i>For 3" WG (Class B), Add</i>	11.22	
<i>For 4" Or 6" WG (Class A), Add</i>	23.94	
<i>For 10" WG (Class A), Add</i>	34.42	
<i>For Work In Restricted Working Space, Add</i>	22.45	
23 31 13 13-0586 LF 16" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	108.69	46.49
<i>For 3" WG (Class B), Add</i>	11.62	
<i>For 4" Or 6" WG (Class A), Add</i>	24.80	
<i>For 10" WG (Class A), Add</i>	35.65	
<i>For Work In Restricted Working Space, Add</i>	23.25	
23 31 13 13-0587 LF 16" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	112.46	48.10
<i>For 3" WG (Class B), Add</i>	12.03	
<i>For 4" Or 6" WG (Class A), Add</i>	25.65	
<i>For 10" WG (Class A), Add</i>	36.88	
<i>For Work In Restricted Working Space, Add</i>	24.05	
23 31 13 13-0588 LF 18" x 18", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	67.46	28.86
<i>For 3" WG (Class B), Add</i>	7.22	
<i>For 4" Or 6" WG (Class A), Add</i>	15.39	
<i>For 10" WG (Class A), Add</i>	22.13	
<i>For Work In Restricted Working Space, Add</i>	14.43	
23 31 13 13-0589 LF 18" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	71.22	30.47
<i>For 3" WG (Class B), Add</i>	7.62	
<i>For 4" Or 6" WG (Class A), Add</i>	16.25	
<i>For 10" WG (Class A), Add</i>	23.35	
<i>For Work In Restricted Working Space, Add</i>	15.23	
23 31 13 13-0590 LF 18" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	74.95	32.07
<i>For 3" WG (Class B), Add</i>	8.02	
<i>For 4" Or 6" WG (Class A), Add</i>	17.10	
<i>For 10" WG (Class A), Add</i>	24.58	
<i>For Work In Restricted Working Space, Add</i>	16.03	
23 31 13 13-0591 LF 18" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	78.71	33.67
<i>For 3" WG (Class B), Add</i>	8.42	
<i>For 4" Or 6" WG (Class A), Add</i>	17.96	
<i>For 10" WG (Class A), Add</i>	25.82	
<i>For Work In Restricted Working Space, Add</i>	16.84	
23 31 13 13-0592 LF 18" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	82.47	35.28
<i>For 3" WG (Class B), Add</i>	8.82	
<i>For 4" Or 6" WG (Class A), Add</i>	18.81	
<i>For 10" WG (Class A), Add</i>	27.04	
<i>For Work In Restricted Working Space, Add</i>	17.64	
23 31 13 13-0593 LF 18" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	86.20	36.88
<i>For 3" WG (Class B), Add</i>	9.22	
<i>For 4" Or 6" WG (Class A), Add</i>	19.67	
<i>For 10" WG (Class A), Add</i>	28.27	
<i>For Work In Restricted Working Space, Add</i>	18.44	
23 31 13 13-0594 LF 18" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	89.96	38.48
<i>For 3" WG (Class B), Add</i>	9.62	
<i>For 4" Or 6" WG (Class A), Add</i>	20.52	
<i>For 10" WG (Class A), Add</i>	29.50	
<i>For Work In Restricted Working Space, Add</i>	19.24	
23 31 13 13-0595 LF 18" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	93.70	40.08
<i>For 3" WG (Class B), Add</i>	10.02	
<i>For 4" Or 6" WG (Class A), Add</i>	21.38	
<i>For 10" WG (Class A), Add</i>	30.73	
<i>For Work In Restricted Working Space, Add</i>	20.04	
23 31 13 13-0596 LF 18" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	97.45	41.69
<i>For 3" WG (Class B), Add</i>	10.42	
<i>For 4" Or 6" WG (Class A), Add</i>	22.23	
<i>For 10" WG (Class A), Add</i>	31.96	
<i>For Work In Restricted Working Space, Add</i>	20.84	
23 31 13 13-0597 LF 18" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	101.21	43.29
<i>For 3" WG (Class B), Add</i>	10.82	
<i>For 4" Or 6" WG (Class A), Add</i>	23.09	
<i>For 10" WG (Class A), Add</i>	33.19	
<i>For Work In Restricted Working Space, Add</i>	21.65	
23 31 13 13-0598 LF 18" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	104.94	44.89
<i>For 3" WG (Class B), Add</i>	11.22	
<i>For 4" Or 6" WG (Class A), Add</i>	23.94	
<i>For 10" WG (Class A), Add</i>	34.42	
<i>For Work In Restricted Working Space, Add</i>	22.45	
23 31 13 13-0599 LF 18" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	108.69	46.49
<i>For 3" WG (Class B), Add</i>	11.62	
<i>For 4" Or 6" WG (Class A), Add</i>	24.80	
<i>For 10" WG (Class A), Add</i>	35.65	
<i>For Work In Restricted Working Space, Add</i>	23.25	
23 31 13 13-0600 LF 18" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	112.46	48.10
<i>For 3" WG (Class B), Add</i>	12.03	
<i>For 4" Or 6" WG (Class A), Add</i>	25.65	
<i>For 10" WG (Class A), Add</i>	36.88	
<i>For Work In Restricted Working Space, Add</i>	24.05	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0601	LF	18" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	116.19 12.43 26.51 38.11 24.85	49.71
23 31 13	13-0602	LF	18" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	119.94 12.83 27.36 39.33 25.65	51.31
23 31 13	13-0603	LF	20" x 20", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	74.95 8.02 17.10 24.58 16.03	32.07
23 31 13	13-0604	LF	20" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	78.71 8.42 17.96 25.82 16.84	33.67
23 31 13	13-0605	LF	20" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	82.47 8.82 18.81 27.04 17.64	35.28
23 31 13	13-0606	LF	20" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	86.20 9.22 19.67 28.27 18.44	36.88
23 31 13	13-0607	LF	20" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	89.96 9.62 20.52 29.50 19.24	38.48
23 31 13	13-0608	LF	20" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	93.70 10.02 21.38 30.73 20.04	40.08
23 31 13	13-0609	LF	20" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	97.45 10.42 22.23 31.96 20.84	41.69
23 31 13	13-0610	LF	20" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	101.21 10.82 23.09 33.19 21.65	43.29
23 31 13	13-0611	LF	20" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	104.94 11.22 23.94 34.42 22.45	44.89
23 31 13	13-0612	LF	20" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	108.69 11.62 24.80 35.65 23.25	46.49
23 31 13	13-0613	LF	20" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	112.46 12.03 25.65 36.88 24.05	48.10
23 31 13	13-0614	LF	20" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	116.19 12.43 26.51 38.11 24.85	49.71
23 31 13	13-0615	LF	20" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	119.94 12.83 27.36 39.33 25.65	51.31
23 31 13	13-0616	LF	20" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	123.68 13.23 28.22 40.56 26.45	52.91
23 31 13	13-0617	LF	20" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	127.43 13.63 29.07 41.79 27.26	54.52



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0618 LF 22" x 22", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	82.47	35.28
<i>For 3" WG (Class B), Add</i>	8.82	
<i>For 4" Or 6" WG (Class A), Add</i>	18.81	
<i>For 10" WG (Class A), Add</i>	27.04	
<i>For Work In Restricted Working Space, Add</i>	17.64	
23 31 13 13-0619 LF 22" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	86.20	36.88
<i>For 3" WG (Class B), Add</i>	9.22	
<i>For 4" Or 6" WG (Class A), Add</i>	19.67	
<i>For 10" WG (Class A), Add</i>	28.27	
<i>For Work In Restricted Working Space, Add</i>	18.44	
23 31 13 13-0620 LF 22" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	89.96	38.48
<i>For 3" WG (Class B), Add</i>	9.62	
<i>For 4" Or 6" WG (Class A), Add</i>	20.52	
<i>For 10" WG (Class A), Add</i>	29.50	
<i>For Work In Restricted Working Space, Add</i>	19.24	
23 31 13 13-0621 LF 22" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	93.70	40.08
<i>For 3" WG (Class B), Add</i>	10.02	
<i>For 4" Or 6" WG (Class A), Add</i>	21.38	
<i>For 10" WG (Class A), Add</i>	30.73	
<i>For Work In Restricted Working Space, Add</i>	20.04	
23 31 13 13-0622 LF 22" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	97.45	41.69
<i>For 3" WG (Class B), Add</i>	10.42	
<i>For 4" Or 6" WG (Class A), Add</i>	22.23	
<i>For 10" WG (Class A), Add</i>	31.96	
<i>For Work In Restricted Working Space, Add</i>	20.84	
23 31 13 13-0623 LF 22" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	101.21	43.29
<i>For 3" WG (Class B), Add</i>	10.82	
<i>For 4" Or 6" WG (Class A), Add</i>	23.09	
<i>For 10" WG (Class A), Add</i>	33.19	
<i>For Work In Restricted Working Space, Add</i>	21.65	
23 31 13 13-0624 LF 22" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	104.94	44.89
<i>For 3" WG (Class B), Add</i>	11.22	
<i>For 4" Or 6" WG (Class A), Add</i>	23.94	
<i>For 10" WG (Class A), Add</i>	34.42	
<i>For Work In Restricted Working Space, Add</i>	22.45	
23 31 13 13-0625 LF 22" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	108.69	46.49
<i>For 3" WG (Class B), Add</i>	11.62	
<i>For 4" Or 6" WG (Class A), Add</i>	24.80	
<i>For 10" WG (Class A), Add</i>	35.65	
<i>For Work In Restricted Working Space, Add</i>	23.25	
23 31 13 13-0626 LF 22" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	112.46	48.10
<i>For 3" WG (Class B), Add</i>	12.03	
<i>For 4" Or 6" WG (Class A), Add</i>	25.65	
<i>For 10" WG (Class A), Add</i>	36.88	
<i>For Work In Restricted Working Space, Add</i>	24.05	
23 31 13 13-0627 LF 22" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	116.19	49.71
<i>For 3" WG (Class B), Add</i>	12.43	
<i>For 4" Or 6" WG (Class A), Add</i>	26.51	
<i>For 10" WG (Class A), Add</i>	38.11	
<i>For Work In Restricted Working Space, Add</i>	24.85	
23 31 13 13-0628 LF 22" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	119.94	51.31
<i>For 3" WG (Class B), Add</i>	12.83	
<i>For 4" Or 6" WG (Class A), Add</i>	27.36	
<i>For 10" WG (Class A), Add</i>	39.33	
<i>For Work In Restricted Working Space, Add</i>	25.65	
23 31 13 13-0629 LF 22" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	123.68	52.91
<i>For 3" WG (Class B), Add</i>	13.23	
<i>For 4" Or 6" WG (Class A), Add</i>	28.22	
<i>For 10" WG (Class A), Add</i>	40.56	
<i>For Work In Restricted Working Space, Add</i>	26.45	
23 31 13 13-0630 LF 22" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	127.43	54.52
<i>For 3" WG (Class B), Add</i>	13.63	
<i>For 4" Or 6" WG (Class A), Add</i>	29.07	
<i>For 10" WG (Class A), Add</i>	41.79	
<i>For Work In Restricted Working Space, Add</i>	27.26	
23 31 13 13-0631 LF 22" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	131.20	56.12
<i>For 3" WG (Class B), Add</i>	14.03	
<i>For 4" Or 6" WG (Class A), Add</i>	29.93	
<i>For 10" WG (Class A), Add</i>	43.02	
<i>For Work In Restricted Working Space, Add</i>	28.06	
23 31 13 13-0632 LF 24" x 24", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	89.96	38.48
<i>For 3" WG (Class B), Add</i>	9.62	
<i>For 4" Or 6" WG (Class A), Add</i>	20.52	
<i>For 10" WG (Class A), Add</i>	29.50	
<i>For Work In Restricted Working Space, Add</i>	19.24	
23 31 13 13-0633 LF 24" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	93.70	40.08
<i>For 3" WG (Class B), Add</i>	10.02	
<i>For 4" Or 6" WG (Class A), Add</i>	21.38	
<i>For 10" WG (Class A), Add</i>	30.73	
<i>For Work In Restricted Working Space, Add</i>	20.04	
23 31 13 13-0634 LF 24" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	97.45	41.69
<i>For 3" WG (Class B), Add</i>	10.42	
<i>For 4" Or 6" WG (Class A), Add</i>	22.23	
<i>For 10" WG (Class A), Add</i>	31.96	
<i>For Work In Restricted Working Space, Add</i>	20.84	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0635	LF	24" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	101.21	43.29
			<i>For 3" WG (Class B), Add</i>	10.82	
			<i>For 4" Or 6" WG (Class A), Add</i>	23.09	
			<i>For 10" WG (Class A), Add</i>	33.19	
			<i>For Work In Restricted Working Space, Add</i>	21.65	
23 31 13	13-0636	LF	24" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	104.94	44.89
			<i>For 3" WG (Class B), Add</i>	11.22	
			<i>For 4" Or 6" WG (Class A), Add</i>	23.94	
			<i>For 10" WG (Class A), Add</i>	34.42	
			<i>For Work In Restricted Working Space, Add</i>	22.45	
23 31 13	13-0637	LF	24" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	108.69	46.49
			<i>For 3" WG (Class B), Add</i>	11.62	
			<i>For 4" Or 6" WG (Class A), Add</i>	24.80	
			<i>For 10" WG (Class A), Add</i>	35.65	
			<i>For Work In Restricted Working Space, Add</i>	23.25	
23 31 13	13-0638	LF	24" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	112.46	48.10
			<i>For 3" WG (Class B), Add</i>	12.03	
			<i>For 4" Or 6" WG (Class A), Add</i>	25.65	
			<i>For 10" WG (Class A), Add</i>	36.88	
			<i>For Work In Restricted Working Space, Add</i>	24.05	
23 31 13	13-0639	LF	24" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	116.19	49.71
			<i>For 3" WG (Class B), Add</i>	12.43	
			<i>For 4" Or 6" WG (Class A), Add</i>	26.51	
			<i>For 10" WG (Class A), Add</i>	38.11	
			<i>For Work In Restricted Working Space, Add</i>	24.85	
23 31 13	13-0640	LF	24" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	119.94	51.31
			<i>For 3" WG (Class B), Add</i>	12.83	
			<i>For 4" Or 6" WG (Class A), Add</i>	27.36	
			<i>For 10" WG (Class A), Add</i>	39.33	
			<i>For Work In Restricted Working Space, Add</i>	25.65	
23 31 13	13-0641	LF	24" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	123.68	52.91
			<i>For 3" WG (Class B), Add</i>	13.23	
			<i>For 4" Or 6" WG (Class A), Add</i>	28.22	
			<i>For 10" WG (Class A), Add</i>	40.56	
			<i>For Work In Restricted Working Space, Add</i>	26.45	
23 31 13	13-0642	LF	24" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	127.43	54.52
			<i>For 3" WG (Class B), Add</i>	13.63	
			<i>For 4" Or 6" WG (Class A), Add</i>	29.07	
			<i>For 10" WG (Class A), Add</i>	41.79	
			<i>For Work In Restricted Working Space, Add</i>	27.26	
23 31 13	13-0643	LF	24" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	131.20	56.12
			<i>For 3" WG (Class B), Add</i>	14.03	
			<i>For 4" Or 6" WG (Class A), Add</i>	29.93	
			<i>For 10" WG (Class A), Add</i>	43.02	
			<i>For Work In Restricted Working Space, Add</i>	28.06	
23 31 13	13-0644	LF	24" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	134.93	57.72
			<i>For 3" WG (Class B), Add</i>	14.43	
			<i>For 4" Or 6" WG (Class A), Add</i>	30.78	
			<i>For 10" WG (Class A), Add</i>	44.25	
			<i>For Work In Restricted Working Space, Add</i>	28.86	
23 31 13	13-0645	LF	26" x 26", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	97.45	41.69
			<i>For 3" WG (Class B), Add</i>	10.42	
			<i>For 4" Or 6" WG (Class A), Add</i>	22.23	
			<i>For 10" WG (Class A), Add</i>	31.96	
			<i>For Work In Restricted Working Space, Add</i>	20.84	
23 31 13	13-0646	LF	26" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	101.21	43.29
			<i>For 3" WG (Class B), Add</i>	10.82	
			<i>For 4" Or 6" WG (Class A), Add</i>	23.09	
			<i>For 10" WG (Class A), Add</i>	33.19	
			<i>For Work In Restricted Working Space, Add</i>	21.65	
23 31 13	13-0647	LF	26" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	104.94	44.89
			<i>For 3" WG (Class B), Add</i>	11.22	
			<i>For 4" Or 6" WG (Class A), Add</i>	23.94	
			<i>For 10" WG (Class A), Add</i>	34.42	
			<i>For Work In Restricted Working Space, Add</i>	22.45	
23 31 13	13-0648	LF	26" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	108.69	46.49
			<i>For 3" WG (Class B), Add</i>	11.62	
			<i>For 4" Or 6" WG (Class A), Add</i>	24.80	
			<i>For 10" WG (Class A), Add</i>	35.65	
			<i>For Work In Restricted Working Space, Add</i>	23.25	
23 31 13	13-0649	LF	26" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	112.46	48.10
			<i>For 3" WG (Class B), Add</i>	12.03	
			<i>For 4" Or 6" WG (Class A), Add</i>	25.65	
			<i>For 10" WG (Class A), Add</i>	36.88	
			<i>For Work In Restricted Working Space, Add</i>	24.05	
23 31 13	13-0650	LF	26" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	116.19	49.71
			<i>For 3" WG (Class B), Add</i>	12.43	
			<i>For 4" Or 6" WG (Class A), Add</i>	26.51	
			<i>For 10" WG (Class A), Add</i>	38.11	
			<i>For Work In Restricted Working Space, Add</i>	24.85	
23 31 13	13-0651	LF	26" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	119.94	51.31
			<i>For 3" WG (Class B), Add</i>	12.83	
			<i>For 4" Or 6" WG (Class A), Add</i>	27.36	
			<i>For 10" WG (Class A), Add</i>	39.33	
			<i>For Work In Restricted Working Space, Add</i>	25.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0652 LF 26" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	123.68	52.91
<i>For 3" WG (Class B), Add</i>	13.23	
<i>For 4" Or 6" WG (Class A), Add</i>	28.22	
<i>For 10" WG (Class A), Add</i>	40.56	
<i>For Work In Restricted Working Space, Add</i>	26.45	
23 31 13 13-0653 LF 26" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	127.43	54.52
<i>For 3" WG (Class B), Add</i>	13.63	
<i>For 4" Or 6" WG (Class A), Add</i>	29.07	
<i>For 10" WG (Class A), Add</i>	41.79	
<i>For Work In Restricted Working Space, Add</i>	27.26	
23 31 13 13-0654 LF 26" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	131.20	56.12
<i>For 3" WG (Class B), Add</i>	14.03	
<i>For 4" Or 6" WG (Class A), Add</i>	29.93	
<i>For 10" WG (Class A), Add</i>	43.02	
<i>For Work In Restricted Working Space, Add</i>	28.06	
23 31 13 13-0655 LF 26" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	134.93	57.72
<i>For 3" WG (Class B), Add</i>	14.43	
<i>For 4" Or 6" WG (Class A), Add</i>	30.78	
<i>For 10" WG (Class A), Add</i>	44.25	
<i>For Work In Restricted Working Space, Add</i>	28.86	
23 31 13 13-0656 LF 26" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	138.69	59.32
<i>For 3" WG (Class B), Add</i>	14.83	
<i>For 4" Or 6" WG (Class A), Add</i>	31.64	
<i>For 10" WG (Class A), Add</i>	45.48	
<i>For Work In Restricted Working Space, Add</i>	29.66	
23 31 13 13-0657 LF 28" x 28", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	104.94	44.89
<i>For 3" WG (Class B), Add</i>	11.22	
<i>For 4" Or 6" WG (Class A), Add</i>	23.94	
<i>For 10" WG (Class A), Add</i>	34.42	
<i>For Work In Restricted Working Space, Add</i>	22.45	
23 31 13 13-0658 LF 28" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	108.69	46.49
<i>For 3" WG (Class B), Add</i>	11.62	
<i>For 4" Or 6" WG (Class A), Add</i>	24.80	
<i>For 10" WG (Class A), Add</i>	35.65	
<i>For Work In Restricted Working Space, Add</i>	23.25	
23 31 13 13-0659 LF 28" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	112.46	48.10
<i>For 3" WG (Class B), Add</i>	12.03	
<i>For 4" Or 6" WG (Class A), Add</i>	25.65	
<i>For 10" WG (Class A), Add</i>	36.88	
<i>For Work In Restricted Working Space, Add</i>	24.05	
23 31 13 13-0660 LF 28" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	116.19	49.71
<i>For 3" WG (Class B), Add</i>	12.43	
<i>For 4" Or 6" WG (Class A), Add</i>	26.51	
<i>For 10" WG (Class A), Add</i>	38.11	
<i>For Work In Restricted Working Space, Add</i>	24.85	
23 31 13 13-0661 LF 28" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	119.94	51.31
<i>For 3" WG (Class B), Add</i>	12.83	
<i>For 4" Or 6" WG (Class A), Add</i>	27.36	
<i>For 10" WG (Class A), Add</i>	39.33	
<i>For Work In Restricted Working Space, Add</i>	25.65	
23 31 13 13-0662 LF 28" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	123.68	52.91
<i>For 3" WG (Class B), Add</i>	13.23	
<i>For 4" Or 6" WG (Class A), Add</i>	28.22	
<i>For 10" WG (Class A), Add</i>	40.56	
<i>For Work In Restricted Working Space, Add</i>	26.45	
23 31 13 13-0663 LF 28" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	127.43	54.52
<i>For 3" WG (Class B), Add</i>	13.63	
<i>For 4" Or 6" WG (Class A), Add</i>	29.07	
<i>For 10" WG (Class A), Add</i>	41.79	
<i>For Work In Restricted Working Space, Add</i>	27.26	
23 31 13 13-0664 LF 28" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	131.20	56.12
<i>For 3" WG (Class B), Add</i>	14.03	
<i>For 4" Or 6" WG (Class A), Add</i>	29.93	
<i>For 10" WG (Class A), Add</i>	43.02	
<i>For Work In Restricted Working Space, Add</i>	28.06	
23 31 13 13-0665 LF 28" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	134.93	57.72
<i>For 3" WG (Class B), Add</i>	14.43	
<i>For 4" Or 6" WG (Class A), Add</i>	30.78	
<i>For 10" WG (Class A), Add</i>	44.25	
<i>For Work In Restricted Working Space, Add</i>	28.86	
23 31 13 13-0666 LF 28" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	138.69	59.32
<i>For 3" WG (Class B), Add</i>	14.83	
<i>For 4" Or 6" WG (Class A), Add</i>	31.64	
<i>For 10" WG (Class A), Add</i>	45.48	
<i>For Work In Restricted Working Space, Add</i>	29.66	
23 31 13 13-0667 LF 28" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	142.42	60.93
<i>For 3" WG (Class B), Add</i>	15.23	
<i>For 4" Or 6" WG (Class A), Add</i>	32.49	
<i>For 10" WG (Class A), Add</i>	46.71	
<i>For Work In Restricted Working Space, Add</i>	30.46	
23 31 13 13-0668 LF 30" x 30", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	112.46	48.10
<i>For 3" WG (Class B), Add</i>	12.03	
<i>For 4" Or 6" WG (Class A), Add</i>	25.65	
<i>For 10" WG (Class A), Add</i>	36.88	
<i>For Work In Restricted Working Space, Add</i>	24.05	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0669	LF	30" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	116.19	49.71
			<i>For 3" WG (Class B), Add</i>	12.43	
			<i>For 4" Or 6" WG (Class A), Add</i>	26.51	
			<i>For 10" WG (Class A), Add</i>	38.11	
			<i>For Work In Restricted Working Space, Add</i>	24.85	
23 31 13	13-0670	LF	30" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	119.94	51.31
			<i>For 3" WG (Class B), Add</i>	12.83	
			<i>For 4" Or 6" WG (Class A), Add</i>	27.36	
			<i>For 10" WG (Class A), Add</i>	39.33	
			<i>For Work In Restricted Working Space, Add</i>	25.65	
23 31 13	13-0671	LF	30" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	123.68	52.91
			<i>For 3" WG (Class B), Add</i>	13.23	
			<i>For 4" Or 6" WG (Class A), Add</i>	28.22	
			<i>For 10" WG (Class A), Add</i>	40.56	
			<i>For Work In Restricted Working Space, Add</i>	26.45	
23 31 13	13-0672	LF	30" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	127.43	54.52
			<i>For 3" WG (Class B), Add</i>	13.63	
			<i>For 4" Or 6" WG (Class A), Add</i>	29.07	
			<i>For 10" WG (Class A), Add</i>	41.79	
			<i>For Work In Restricted Working Space, Add</i>	27.26	
23 31 13	13-0673	LF	30" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	131.20	56.12
			<i>For 3" WG (Class B), Add</i>	14.03	
			<i>For 4" Or 6" WG (Class A), Add</i>	29.93	
			<i>For 10" WG (Class A), Add</i>	43.02	
			<i>For Work In Restricted Working Space, Add</i>	28.06	
23 31 13	13-0674	LF	30" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	134.93	57.72
			<i>For 3" WG (Class B), Add</i>	14.43	
			<i>For 4" Or 6" WG (Class A), Add</i>	30.78	
			<i>For 10" WG (Class A), Add</i>	44.25	
			<i>For Work In Restricted Working Space, Add</i>	28.86	
23 31 13	13-0675	LF	30" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	138.69	59.32
			<i>For 3" WG (Class B), Add</i>	14.83	
			<i>For 4" Or 6" WG (Class A), Add</i>	31.64	
			<i>For 10" WG (Class A), Add</i>	45.48	
			<i>For Work In Restricted Working Space, Add</i>	29.66	
23 31 13	13-0676	LF	30" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	142.42	60.93
			<i>For 3" WG (Class B), Add</i>	15.23	
			<i>For 4" Or 6" WG (Class A), Add</i>	32.49	
			<i>For 10" WG (Class A), Add</i>	46.71	
			<i>For Work In Restricted Working Space, Add</i>	30.46	
23 31 13	13-0677	LF	30" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	146.17	62.53
			<i>For 3" WG (Class B), Add</i>	15.63	
			<i>For 4" Or 6" WG (Class A), Add</i>	33.35	
			<i>For 10" WG (Class A), Add</i>	47.94	
			<i>For Work In Restricted Working Space, Add</i>	31.26	
23 31 13	13-0678	LF	32" x 32", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	119.94	51.31
			<i>For 3" WG (Class B), Add</i>	12.83	
			<i>For 4" Or 6" WG (Class A), Add</i>	27.36	
			<i>For 10" WG (Class A), Add</i>	39.33	
			<i>For Work In Restricted Working Space, Add</i>	25.65	
23 31 13	13-0679	LF	32" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	123.68	52.91
			<i>For 3" WG (Class B), Add</i>	13.23	
			<i>For 4" Or 6" WG (Class A), Add</i>	28.22	
			<i>For 10" WG (Class A), Add</i>	40.56	
			<i>For Work In Restricted Working Space, Add</i>	26.45	
23 31 13	13-0680	LF	32" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	127.43	54.52
			<i>For 3" WG (Class B), Add</i>	13.63	
			<i>For 4" Or 6" WG (Class A), Add</i>	29.07	
			<i>For 10" WG (Class A), Add</i>	41.79	
			<i>For Work In Restricted Working Space, Add</i>	27.26	
23 31 13	13-0681	LF	32" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	131.20	56.12
			<i>For 3" WG (Class B), Add</i>	14.03	
			<i>For 4" Or 6" WG (Class A), Add</i>	29.93	
			<i>For 10" WG (Class A), Add</i>	43.02	
			<i>For Work In Restricted Working Space, Add</i>	28.06	
23 31 13	13-0682	LF	32" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	134.93	57.72
			<i>For 3" WG (Class B), Add</i>	14.43	
			<i>For 4" Or 6" WG (Class A), Add</i>	30.78	
			<i>For 10" WG (Class A), Add</i>	44.25	
			<i>For Work In Restricted Working Space, Add</i>	28.86	
23 31 13	13-0683	LF	32" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	138.69	59.32
			<i>For 3" WG (Class B), Add</i>	14.83	
			<i>For 4" Or 6" WG (Class A), Add</i>	31.64	
			<i>For 10" WG (Class A), Add</i>	45.48	
			<i>For Work In Restricted Working Space, Add</i>	29.66	
23 31 13	13-0684	LF	32" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	142.42	60.93
			<i>For 3" WG (Class B), Add</i>	15.23	
			<i>For 4" Or 6" WG (Class A), Add</i>	32.49	
			<i>For 10" WG (Class A), Add</i>	46.71	
			<i>For Work In Restricted Working Space, Add</i>	30.46	
23 31 13	13-0685	LF	32" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	146.17	62.53
			<i>For 3" WG (Class B), Add</i>	15.63	
			<i>For 4" Or 6" WG (Class A), Add</i>	33.35	
			<i>For 10" WG (Class A), Add</i>	47.94	
			<i>For Work In Restricted Working Space, Add</i>	31.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0686 LF 32" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	149.93	64.13
<i>For 3" WG (Class B), Add</i>	16.03	
<i>For 4" Or 6" WG (Class A), Add</i>	34.20	
<i>For 10" WG (Class A), Add</i>	49.17	
<i>For Work In Restricted Working Space, Add</i>	32.07	
23 31 13 13-0687 LF 34" x 34", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	127.43	54.52
<i>For 3" WG (Class B), Add</i>	13.63	
<i>For 4" Or 6" WG (Class A), Add</i>	29.07	
<i>For 10" WG (Class A), Add</i>	41.79	
<i>For Work In Restricted Working Space, Add</i>	27.26	
23 31 13 13-0688 LF 34" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	131.20	56.12
<i>For 3" WG (Class B), Add</i>	14.03	
<i>For 4" Or 6" WG (Class A), Add</i>	29.93	
<i>For 10" WG (Class A), Add</i>	43.02	
<i>For Work In Restricted Working Space, Add</i>	28.06	
23 31 13 13-0689 LF 34" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	134.93	57.72
<i>For 3" WG (Class B), Add</i>	14.43	
<i>For 4" Or 6" WG (Class A), Add</i>	30.78	
<i>For 10" WG (Class A), Add</i>	44.25	
<i>For Work In Restricted Working Space, Add</i>	28.86	
23 31 13 13-0690 LF 34" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	138.69	59.32
<i>For 3" WG (Class B), Add</i>	14.83	
<i>For 4" Or 6" WG (Class A), Add</i>	31.64	
<i>For 10" WG (Class A), Add</i>	45.48	
<i>For Work In Restricted Working Space, Add</i>	29.66	
23 31 13 13-0691 LF 34" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	142.42	60.93
<i>For 3" WG (Class B), Add</i>	15.23	
<i>For 4" Or 6" WG (Class A), Add</i>	32.49	
<i>For 10" WG (Class A), Add</i>	46.71	
<i>For Work In Restricted Working Space, Add</i>	30.46	
23 31 13 13-0692 LF 34" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	146.17	62.53
<i>For 3" WG (Class B), Add</i>	15.63	
<i>For 4" Or 6" WG (Class A), Add</i>	33.35	
<i>For 10" WG (Class A), Add</i>	47.94	
<i>For Work In Restricted Working Space, Add</i>	31.26	
23 31 13 13-0693 LF 34" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	149.93	64.13
<i>For 3" WG (Class B), Add</i>	16.03	
<i>For 4" Or 6" WG (Class A), Add</i>	34.20	
<i>For 10" WG (Class A), Add</i>	49.17	
<i>For Work In Restricted Working Space, Add</i>	32.07	
23 31 13 13-0694 LF 34" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	153.67	65.73
<i>For 3" WG (Class B), Add</i>	16.43	
<i>For 4" Or 6" WG (Class A), Add</i>	35.06	
<i>For 10" WG (Class A), Add</i>	50.40	
<i>For Work In Restricted Working Space, Add</i>	32.87	
23 31 13 13-0695 LF 36" x 36", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	134.93	57.72
<i>For 3" WG (Class B), Add</i>	14.43	
<i>For 4" Or 6" WG (Class A), Add</i>	30.78	
<i>For 10" WG (Class A), Add</i>	44.25	
<i>For Work In Restricted Working Space, Add</i>	28.86	
23 31 13 13-0696 LF 36" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	138.69	59.32
<i>For 3" WG (Class B), Add</i>	14.83	
<i>For 4" Or 6" WG (Class A), Add</i>	31.64	
<i>For 10" WG (Class A), Add</i>	45.48	
<i>For Work In Restricted Working Space, Add</i>	29.66	
23 31 13 13-0697 LF 36" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	142.42	60.93
<i>For 3" WG (Class B), Add</i>	15.23	
<i>For 4" Or 6" WG (Class A), Add</i>	32.49	
<i>For 10" WG (Class A), Add</i>	46.71	
<i>For Work In Restricted Working Space, Add</i>	30.46	
23 31 13 13-0698 LF 36" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	146.17	62.53
<i>For 3" WG (Class B), Add</i>	15.63	
<i>For 4" Or 6" WG (Class A), Add</i>	33.35	
<i>For 10" WG (Class A), Add</i>	47.94	
<i>For Work In Restricted Working Space, Add</i>	31.26	
23 31 13 13-0699 LF 36" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	149.93	64.13
<i>For 3" WG (Class B), Add</i>	16.03	
<i>For 4" Or 6" WG (Class A), Add</i>	34.20	
<i>For 10" WG (Class A), Add</i>	49.17	
<i>For Work In Restricted Working Space, Add</i>	32.07	
23 31 13 13-0700 LF 36" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	153.67	65.73
<i>For 3" WG (Class B), Add</i>	16.43	
<i>For 4" Or 6" WG (Class A), Add</i>	35.06	
<i>For 10" WG (Class A), Add</i>	50.40	
<i>For Work In Restricted Working Space, Add</i>	32.87	
23 31 13 13-0701 LF 36" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	157.43	67.34
<i>For 3" WG (Class B), Add</i>	16.84	
<i>For 4" Or 6" WG (Class A), Add</i>	35.92	
<i>For 10" WG (Class A), Add</i>	51.63	
<i>For Work In Restricted Working Space, Add</i>	33.67	
23 31 13 13-0702 LF 38" x 38", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	142.42	60.93
<i>For 3" WG (Class B), Add</i>	15.23	
<i>For 4" Or 6" WG (Class A), Add</i>	32.49	
<i>For 10" WG (Class A), Add</i>	46.71	
<i>For Work In Restricted Working Space, Add</i>	30.46	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0703 LF 38" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	146.17	62.53
For 3" WG (Class B), Add	15.63	
For 4" Or 6" WG (Class A), Add	33.35	
For 10" WG (Class A), Add	47.94	
For Work In Restricted Working Space, Add	31.26	
23 31 13 13-0704 LF 38" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	149.93	64.13
For 3" WG (Class B), Add	16.03	
For 4" Or 6" WG (Class A), Add	34.20	
For 10" WG (Class A), Add	49.17	
For Work In Restricted Working Space, Add	32.07	
23 31 13 13-0705 LF 38" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	153.67	65.73
For 3" WG (Class B), Add	16.43	
For 4" Or 6" WG (Class A), Add	35.06	
For 10" WG (Class A), Add	50.40	
For Work In Restricted Working Space, Add	32.87	
23 31 13 13-0706 LF 38" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	157.43	67.34
For 3" WG (Class B), Add	16.84	
For 4" Or 6" WG (Class A), Add	35.92	
For 10" WG (Class A), Add	51.63	
For Work In Restricted Working Space, Add	33.67	
23 31 13 13-0707 LF 38" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	161.17	68.94
For 3" WG (Class B), Add	17.24	
For 4" Or 6" WG (Class A), Add	36.77	
For 10" WG (Class A), Add	52.85	
For Work In Restricted Working Space, Add	34.47	
23 31 13 13-0708 LF 38" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	164.92	70.55
For 3" WG (Class B), Add	17.64	
For 4" Or 6" WG (Class A), Add	37.63	
For 10" WG (Class A), Add	54.09	
For Work In Restricted Working Space, Add	35.27	
23 31 13 13-0709 LF 40" x 40", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	149.93	64.13
For 3" WG (Class B), Add	16.03	
For 4" Or 6" WG (Class A), Add	34.20	
For 10" WG (Class A), Add	49.17	
For Work In Restricted Working Space, Add	32.07	
23 31 13 13-0710 LF 40" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	153.67	65.73
For 3" WG (Class B), Add	16.43	
For 4" Or 6" WG (Class A), Add	35.06	
For 10" WG (Class A), Add	50.40	
For Work In Restricted Working Space, Add	32.87	
23 31 13 13-0711 LF 40" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	157.43	67.34
For 3" WG (Class B), Add	16.84	
For 4" Or 6" WG (Class A), Add	35.92	
For 10" WG (Class A), Add	51.63	
For Work In Restricted Working Space, Add	33.67	
23 31 13 13-0712 LF 40" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	161.17	68.94
For 3" WG (Class B), Add	17.24	
For 4" Or 6" WG (Class A), Add	36.77	
For 10" WG (Class A), Add	52.85	
For Work In Restricted Working Space, Add	34.47	
23 31 13 13-0713 LF 40" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	164.92	70.55
For 3" WG (Class B), Add	17.64	
For 4" Or 6" WG (Class A), Add	37.63	
For 10" WG (Class A), Add	54.09	
For Work In Restricted Working Space, Add	35.27	
23 31 13 13-0714 LF 40" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	168.67	72.15
For 3" WG (Class B), Add	18.04	
For 4" Or 6" WG (Class A), Add	38.48	
For 10" WG (Class A), Add	55.32	
For Work In Restricted Working Space, Add	36.08	
23 31 13 13-0715 LF 40" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	172.40	73.76
For 3" WG (Class B), Add	18.44	
For 4" Or 6" WG (Class A), Add	39.33	
For 10" WG (Class A), Add	56.54	
For Work In Restricted Working Space, Add	36.88	
23 31 13 13-0716 LF 40" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	176.17	75.36
For 3" WG (Class B), Add	18.84	
For 4" Or 6" WG (Class A), Add	40.19	
For 10" WG (Class A), Add	57.78	
For Work In Restricted Working Space, Add	37.68	
23 31 13 13-0717 LF 40" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	179.91	76.96
For 3" WG (Class B), Add	19.24	
For 4" Or 6" WG (Class A), Add	41.04	
For 10" WG (Class A), Add	59.00	
For Work In Restricted Working Space, Add	38.48	
23 31 13 13-0718 LF 40" x 42", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	157.43	67.34
For 3" WG (Class B), Add	16.84	
For 4" Or 6" WG (Class A), Add	35.92	
For 10" WG (Class A), Add	51.63	
For Work In Restricted Working Space, Add	33.67	
23 31 13 13-0719 LF 42" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	161.17	68.94
For 3" WG (Class B), Add	17.24	
For 4" Or 6" WG (Class A), Add	36.77	
For 10" WG (Class A), Add	52.85	
For Work In Restricted Working Space, Add	34.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0720 LF 42" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	164.92	70.55
For 3" WG (Class B), Add	17.64	
For 4" Or 6" WG (Class A), Add	37.63	
For 10" WG (Class A), Add	54.09	
For Work In Restricted Working Space, Add	35.27	
23 31 13 13-0721 LF 42" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	168.67	72.15
For 3" WG (Class B), Add	18.04	
For 4" Or 6" WG (Class A), Add	38.48	
For 10" WG (Class A), Add	55.32	
For Work In Restricted Working Space, Add	36.08	
23 31 13 13-0722 LF 42" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	172.40	73.76
For 3" WG (Class B), Add	18.44	
For 4" Or 6" WG (Class A), Add	39.33	
For 10" WG (Class A), Add	56.54	
For Work In Restricted Working Space, Add	36.88	
23 31 13 13-0723 LF 42" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	176.17	75.36
For 3" WG (Class B), Add	18.84	
For 4" Or 6" WG (Class A), Add	40.19	
For 10" WG (Class A), Add	57.78	
For Work In Restricted Working Space, Add	37.68	
23 31 13 13-0724 LF 42" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	179.91	76.96
For 3" WG (Class B), Add	19.24	
For 4" Or 6" WG (Class A), Add	41.04	
For 10" WG (Class A), Add	59.00	
For Work In Restricted Working Space, Add	38.48	
23 31 13 13-0725 LF 42" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	183.65	78.56
For 3" WG (Class B), Add	19.64	
For 4" Or 6" WG (Class A), Add	41.90	
For 10" WG (Class A), Add	60.23	
For Work In Restricted Working Space, Add	39.28	
23 31 13 13-0726 LF 44" x 44", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	164.92	70.55
For 3" WG (Class B), Add	17.64	
For 4" Or 6" WG (Class A), Add	37.63	
For 10" WG (Class A), Add	54.09	
For Work In Restricted Working Space, Add	35.27	
23 31 13 13-0727 LF 44" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	168.67	72.15
For 3" WG (Class B), Add	18.04	
For 4" Or 6" WG (Class A), Add	38.48	
For 10" WG (Class A), Add	55.32	
For Work In Restricted Working Space, Add	36.08	
23 31 13 13-0728 LF 44" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	172.40	73.76
For 3" WG (Class B), Add	18.44	
For 4" Or 6" WG (Class A), Add	39.33	
For 10" WG (Class A), Add	56.54	
For Work In Restricted Working Space, Add	36.88	
23 31 13 13-0729 LF 44" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	176.17	75.36
For 3" WG (Class B), Add	18.84	
For 4" Or 6" WG (Class A), Add	40.19	
For 10" WG (Class A), Add	57.78	
For Work In Restricted Working Space, Add	37.68	
23 31 13 13-0730 LF 44" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	179.91	76.96
For 3" WG (Class B), Add	19.24	
For 4" Or 6" WG (Class A), Add	41.04	
For 10" WG (Class A), Add	59.00	
For Work In Restricted Working Space, Add	38.48	
23 31 13 13-0731 LF 44" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	183.65	78.56
For 3" WG (Class B), Add	19.64	
For 4" Or 6" WG (Class A), Add	41.90	
For 10" WG (Class A), Add	60.23	
For Work In Restricted Working Space, Add	39.28	
23 31 13 13-0732 LF 44" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	187.41	80.17
For 3" WG (Class B), Add	20.04	
For 4" Or 6" WG (Class A), Add	42.76	
For 10" WG (Class A), Add	61.46	
For Work In Restricted Working Space, Add	40.08	
23 31 13 13-0733 LF 46" x 46", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	172.40	73.76
For 3" WG (Class B), Add	18.44	
For 4" Or 6" WG (Class A), Add	39.33	
For 10" WG (Class A), Add	56.54	
For Work In Restricted Working Space, Add	36.88	
23 31 13 13-0734 LF 46" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	176.17	75.36
For 3" WG (Class B), Add	18.84	
For 4" Or 6" WG (Class A), Add	40.19	
For 10" WG (Class A), Add	57.78	
For Work In Restricted Working Space, Add	37.68	
23 31 13 13-0735 LF 46" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	179.91	76.96
For 3" WG (Class B), Add	19.24	
For 4" Or 6" WG (Class A), Add	41.04	
For 10" WG (Class A), Add	59.00	
For Work In Restricted Working Space, Add	38.48	
23 31 13 13-0736 LF 46" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	183.65	78.56
For 3" WG (Class B), Add	19.64	
For 4" Or 6" WG (Class A), Add	41.90	
For 10" WG (Class A), Add	60.23	
For Work In Restricted Working Space, Add	39.28	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts And Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13	13-0737	LF 46" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	187.41	80.17
			For 3" WG (Class B), Add	20.04	
			For 4" Or 6" WG (Class A), Add	42.76	
			For 10" WG (Class A), Add	61.46	
			For Work In Restricted Working Space, Add	40.08	
23 31	13	13-0738	LF 46" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	191.16	81.77
			For 3" WG (Class B), Add	20.44	
			For 4" Or 6" WG (Class A), Add	43.61	
			For 10" WG (Class A), Add	62.69	
			For Work In Restricted Working Space, Add	40.88	
23 31	13	13-0739	LF 46" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	194.91	83.37
			For 3" WG (Class B), Add	20.84	
			For 4" Or 6" WG (Class A), Add	44.47	
			For 10" WG (Class A), Add	63.92	
			For Work In Restricted Working Space, Add	41.69	
23 31	13	13-0740	LF 48" x 48", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	179.91	76.96
			For 3" WG (Class B), Add	19.24	
			For 4" Or 6" WG (Class A), Add	41.04	
			For 10" WG (Class A), Add	59.00	
			For Work In Restricted Working Space, Add	38.48	
23 31	13	13-0741	LF 48" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	183.65	78.56
			For 3" WG (Class B), Add	19.64	
			For 4" Or 6" WG (Class A), Add	41.90	
			For 10" WG (Class A), Add	60.23	
			For Work In Restricted Working Space, Add	39.28	
23 31	13	13-0742	LF 48" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	187.41	80.17
			For 3" WG (Class B), Add	20.04	
			For 4" Or 6" WG (Class A), Add	42.76	
			For 10" WG (Class A), Add	61.46	
			For Work In Restricted Working Space, Add	40.08	
23 31	13	13-0743	LF 48" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	191.16	81.77
			For 3" WG (Class B), Add	20.44	
			For 4" Or 6" WG (Class A), Add	43.61	
			For 10" WG (Class A), Add	62.69	
			For Work In Restricted Working Space, Add	40.88	
23 31	13	13-0744	LF 48" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	194.91	83.37
			For 3" WG (Class B), Add	20.84	
			For 4" Or 6" WG (Class A), Add	44.47	
			For 10" WG (Class A), Add	63.92	
			For Work In Restricted Working Space, Add	41.69	
23 31	13	13-0745	LF 48" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	198.65	84.97
			For 3" WG (Class B), Add	21.24	
			For 4" Or 6" WG (Class A), Add	45.32	
			For 10" WG (Class A), Add	65.15	
			For Work In Restricted Working Space, Add	42.49	
23 31	13	13-0746	LF 48" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	202.39	86.58
			For 3" WG (Class B), Add	21.65	
			For 4" Or 6" WG (Class A), Add	46.18	
			For 10" WG (Class A), Add	66.38	
			For Work In Restricted Working Space, Add	43.29	
23 31	13	13-0747	LF 50" x 50", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	187.41	80.17
			For 3" WG (Class B), Add	20.04	
			For 4" Or 6" WG (Class A), Add	42.76	
			For 10" WG (Class A), Add	61.46	
			For Work In Restricted Working Space, Add	40.08	
23 31	13	13-0748	LF 50" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	191.16	81.77
			For 3" WG (Class B), Add	20.44	
			For 4" Or 6" WG (Class A), Add	43.61	
			For 10" WG (Class A), Add	62.69	
			For Work In Restricted Working Space, Add	40.88	
23 31	13	13-0749	LF 50" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	194.91	83.37
			For 3" WG (Class B), Add	20.84	
			For 4" Or 6" WG (Class A), Add	44.47	
			For 10" WG (Class A), Add	63.92	
			For Work In Restricted Working Space, Add	41.69	
23 31	13	13-0750	LF 50" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	198.65	84.97
			For 3" WG (Class B), Add	21.24	
			For 4" Or 6" WG (Class A), Add	45.32	
			For 10" WG (Class A), Add	65.15	
			For Work In Restricted Working Space, Add	42.49	
23 31	13	13-0751	LF 50" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	202.39	86.58
			For 3" WG (Class B), Add	21.65	
			For 4" Or 6" WG (Class A), Add	46.18	
			For 10" WG (Class A), Add	66.38	
			For Work In Restricted Working Space, Add	43.29	
23 31	13	13-0752	LF 50" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	206.15	88.18
			For 3" WG (Class B), Add	22.05	
			For 4" Or 6" WG (Class A), Add	47.03	
			For 10" WG (Class A), Add	67.61	
			For Work In Restricted Working Space, Add	44.09	
23 31	13	13-0753	LF 52" x 52", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	194.91	83.37
			For 3" WG (Class B), Add	20.84	
			For 4" Or 6" WG (Class A), Add	44.47	
			For 10" WG (Class A), Add	63.92	
			For Work In Restricted Working Space, Add	41.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0754 LF 52" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	198.65	84.97
For 3" WG (Class B), Add	21.24	
For 4" Or 6" WG (Class A), Add	45.32	
For 10" WG (Class A), Add	65.15	
For Work In Restricted Working Space, Add	42.49	
23 31 13 13-0755 LF 52" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	202.39	86.58
For 3" WG (Class B), Add	21.65	
For 4" Or 6" WG (Class A), Add	46.18	
For 10" WG (Class A), Add	66.38	
For Work In Restricted Working Space, Add	43.29	
23 31 13 13-0756 LF 52" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	206.15	88.18
For 3" WG (Class B), Add	22.05	
For 4" Or 6" WG (Class A), Add	47.03	
For 10" WG (Class A), Add	67.61	
For Work In Restricted Working Space, Add	44.09	
23 31 13 13-0757 LF 52" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	209.91	89.79
For 3" WG (Class B), Add	22.45	
For 4" Or 6" WG (Class A), Add	47.89	
For 10" WG (Class A), Add	68.84	
For Work In Restricted Working Space, Add	44.90	
23 31 13 13-0758 LF 54" x 54", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	202.39	86.58
For 3" WG (Class B), Add	21.65	
For 4" Or 6" WG (Class A), Add	46.18	
For 10" WG (Class A), Add	66.38	
For Work In Restricted Working Space, Add	43.29	
23 31 13 13-0759 LF 54" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	206.15	88.18
For 3" WG (Class B), Add	22.05	
For 4" Or 6" WG (Class A), Add	47.03	
For 10" WG (Class A), Add	67.61	
For Work In Restricted Working Space, Add	44.09	
23 31 13 13-0760 LF 54" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	209.91	89.79
For 3" WG (Class B), Add	22.45	
For 4" Or 6" WG (Class A), Add	47.89	
For 10" WG (Class A), Add	68.84	
For Work In Restricted Working Space, Add	44.90	
23 31 13 13-0761 LF 54" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	213.64	91.39
For 3" WG (Class B), Add	22.85	
For 4" Or 6" WG (Class A), Add	48.74	
For 10" WG (Class A), Add	70.07	
For Work In Restricted Working Space, Add	45.70	
23 31 13 13-0762 LF 54" x 62", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	217.39	93.00
For 3" WG (Class B), Add	23.25	
For 4" Or 6" WG (Class A), Add	49.59	
For 10" WG (Class A), Add	71.29	
For Work In Restricted Working Space, Add	46.49	
23 31 13 13-0763 LF 54" x 64", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	221.13	94.60
For 3" WG (Class B), Add	23.65	
For 4" Or 6" WG (Class A), Add	50.45	
For 10" WG (Class A), Add	72.52	
For Work In Restricted Working Space, Add	47.30	
23 31 13 13-0764 LF 56" x 56", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	209.91	89.79
For 3" WG (Class B), Add	22.45	
For 4" Or 6" WG (Class A), Add	47.89	
For 10" WG (Class A), Add	68.84	
For Work In Restricted Working Space, Add	44.90	
23 31 13 13-0765 LF 56" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	213.64	91.39
For 3" WG (Class B), Add	22.85	
For 4" Or 6" WG (Class A), Add	48.74	
For 10" WG (Class A), Add	70.07	
For Work In Restricted Working Space, Add	45.70	
23 31 13 13-0766 LF 56" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	217.39	93.00
For 3" WG (Class B), Add	23.25	
For 4" Or 6" WG (Class A), Add	49.59	
For 10" WG (Class A), Add	71.29	
For Work In Restricted Working Space, Add	46.49	
23 31 13 13-0767 LF 56" x 62", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	221.13	94.60
For 3" WG (Class B), Add	23.65	
For 4" Or 6" WG (Class A), Add	50.45	
For 10" WG (Class A), Add	72.52	
For Work In Restricted Working Space, Add	47.30	
23 31 13 13-0768 LF 56" x 64", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	224.88	96.20
For 3" WG (Class B), Add	24.05	
For 4" Or 6" WG (Class A), Add	51.31	
For 10" WG (Class A), Add	73.75	
For Work In Restricted Working Space, Add	48.10	
23 31 13 13-0769 LF 58" x 58", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	217.39	93.00
For 3" WG (Class B), Add	23.25	
For 4" Or 6" WG (Class A), Add	49.59	
For 10" WG (Class A), Add	71.29	
For Work In Restricted Working Space, Add	46.49	
23 31 13 13-0770 LF 58" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	221.13	94.60
For 3" WG (Class B), Add	23.65	
For 4" Or 6" WG (Class A), Add	50.45	
For 10" WG (Class A), Add	72.52	
For Work In Restricted Working Space, Add	47.30	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0771 LF 58" x 62", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	224.88	96.20
For 3" WG (Class B), Add	24.05	
For 4" Or 6" WG (Class A), Add	51.31	
For 10" WG (Class A), Add	73.75	
For Work In Restricted Working Space, Add	48.10	
23 31 13 13-0772 LF 58" x 64", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	228.65	97.80
For 3" WG (Class B), Add	24.45	
For 4" Or 6" WG (Class A), Add	52.16	
For 10" WG (Class A), Add	74.98	
For Work In Restricted Working Space, Add	48.90	
23 31 13 13-0773 LF 58" x 66", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	232.38	99.41
For 3" WG (Class B), Add	24.85	
For 4" Or 6" WG (Class A), Add	53.02	
For 10" WG (Class A), Add	76.21	
For Work In Restricted Working Space, Add	49.70	
23 31 13 13-0774 LF 60" x 60", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	224.88	96.20
For 3" WG (Class B), Add	24.05	
For 4" Or 6" WG (Class A), Add	51.31	
For 10" WG (Class A), Add	73.75	
For Work In Restricted Working Space, Add	48.10	
23 31 13 13-0775 LF 60" x 62", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	228.65	97.80
For 3" WG (Class B), Add	24.45	
For 4" Or 6" WG (Class A), Add	52.16	
For 10" WG (Class A), Add	74.98	
For Work In Restricted Working Space, Add	48.90	
23 31 13 13-0776 LF 60" x 64", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	232.38	99.41
For 3" WG (Class B), Add	24.85	
For 4" Or 6" WG (Class A), Add	53.02	
For 10" WG (Class A), Add	76.21	
For Work In Restricted Working Space, Add	49.70	
23 31 13 13-0777 LF 60" x 66", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	236.13	101.01
For 3" WG (Class B), Add	25.25	
For 4" Or 6" WG (Class A), Add	53.87	
For 10" WG (Class A), Add	77.44	
For Work In Restricted Working Space, Add	50.51	
23 31 13 13-0778 LF 60" x 68", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	239.89	102.61
For 3" WG (Class B), Add	25.65	
For 4" Or 6" WG (Class A), Add	54.73	
For 10" WG (Class A), Add	78.67	
For Work In Restricted Working Space, Add	51.31	
23 31 13 13-0779 LF 62" x 62", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	232.38	99.41
For 3" WG (Class B), Add	24.85	
For 4" Or 6" WG (Class A), Add	53.02	
For 10" WG (Class A), Add	76.21	
For Work In Restricted Working Space, Add	49.70	
23 31 13 13-0780 LF 62" x 64", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	236.13	101.01
For 3" WG (Class B), Add	25.25	
For 4" Or 6" WG (Class A), Add	53.87	
For 10" WG (Class A), Add	77.44	
For Work In Restricted Working Space, Add	50.51	
23 31 13 13-0781 LF 62" x 66", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	239.89	102.61
For 3" WG (Class B), Add	25.65	
For 4" Or 6" WG (Class A), Add	54.73	
For 10" WG (Class A), Add	78.67	
For Work In Restricted Working Space, Add	51.31	
23 31 13 13-0782 LF 62" x 68", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	243.62	104.21
For 3" WG (Class B), Add	26.05	
For 4" Or 6" WG (Class A), Add	55.58	
For 10" WG (Class A), Add	79.90	
For Work In Restricted Working Space, Add	52.11	
23 31 13 13-0783 LF 62" x 70", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	247.39	105.82
For 3" WG (Class B), Add	26.46	
For 4" Or 6" WG (Class A), Add	56.44	
For 10" WG (Class A), Add	81.13	
For Work In Restricted Working Space, Add	52.91	
23 31 13 13-0784 LF 64" x 64", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	239.89	102.61
For 3" WG (Class B), Add	25.65	
For 4" Or 6" WG (Class A), Add	54.73	
For 10" WG (Class A), Add	78.67	
For Work In Restricted Working Space, Add	51.31	
23 31 13 13-0785 LF 64" x 66", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	243.62	104.21
For 3" WG (Class B), Add	26.05	
For 4" Or 6" WG (Class A), Add	55.58	
For 10" WG (Class A), Add	79.90	
For Work In Restricted Working Space, Add	52.11	
23 31 13 13-0786 LF 64" x 68", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	247.39	105.82
For 3" WG (Class B), Add	26.46	
For 4" Or 6" WG (Class A), Add	56.44	
For 10" WG (Class A), Add	81.13	
For Work In Restricted Working Space, Add	52.91	
23 31 13 13-0787 LF 64" x 70", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	251.12	107.42
For 3" WG (Class B), Add	26.86	
For 4" Or 6" WG (Class A), Add	57.29	
For 10" WG (Class A), Add	82.36	
For Work In Restricted Working Space, Add	53.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0788 LF 66" x 66", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	247.39	105.82
<i>For 3" WG (Class B), Add</i>	26.46	
<i>For 4" Or 6" WG (Class A), Add</i>	56.44	
<i>For 10" WG (Class A), Add</i>	81.13	
<i>For Work In Restricted Working Space, Add</i>	52.91	
23 31 13 13-0789 LF 66" x 68", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	251.12	107.42
<i>For 3" WG (Class B), Add</i>	26.86	
<i>For 4" Or 6" WG (Class A), Add</i>	57.29	
<i>For 10" WG (Class A), Add</i>	82.36	
<i>For Work In Restricted Working Space, Add</i>	53.71	
23 31 13 13-0790 LF 66" x 70", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	254.87	109.03
<i>For 3" WG (Class B), Add</i>	27.26	
<i>For 4" Or 6" WG (Class A), Add</i>	58.15	
<i>For 10" WG (Class A), Add</i>	83.59	
<i>For Work In Restricted Working Space, Add</i>	54.51	
23 31 13 13-0791 LF 66" x 72", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	258.63	110.63
<i>For 3" WG (Class B), Add</i>	27.66	
<i>For 4" Or 6" WG (Class A), Add</i>	59.00	
<i>For 10" WG (Class A), Add</i>	84.81	
<i>For Work In Restricted Working Space, Add</i>	55.31	
23 31 13 13-0792 LF 68" x 68", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	254.87	109.03
<i>For 3" WG (Class B), Add</i>	27.26	
<i>For 4" Or 6" WG (Class A), Add</i>	58.15	
<i>For 10" WG (Class A), Add</i>	83.59	
<i>For Work In Restricted Working Space, Add</i>	54.51	
23 31 13 13-0793 LF 68" x 70", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	258.63	110.63
<i>For 3" WG (Class B), Add</i>	27.66	
<i>For 4" Or 6" WG (Class A), Add</i>	59.00	
<i>For 10" WG (Class A), Add</i>	84.81	
<i>For Work In Restricted Working Space, Add</i>	55.31	
23 31 13 13-0794 LF 68" x 72", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	262.36	112.24
<i>For 3" WG (Class B), Add</i>	28.06	
<i>For 4" Or 6" WG (Class A), Add</i>	59.86	
<i>For 10" WG (Class A), Add</i>	86.04	
<i>For Work In Restricted Working Space, Add</i>	56.12	
23 31 13 13-0795 LF 68" x 74", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	266.12	113.84
<i>For 3" WG (Class B), Add</i>	28.46	
<i>For 4" Or 6" WG (Class A), Add</i>	60.71	
<i>For 10" WG (Class A), Add</i>	87.28	
<i>For Work In Restricted Working Space, Add</i>	56.92	
23 31 13 13-0796 LF 70" x 70", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	262.36	112.24
<i>For 3" WG (Class B), Add</i>	28.06	
<i>For 4" Or 6" WG (Class A), Add</i>	59.86	
<i>For 10" WG (Class A), Add</i>	86.04	
<i>For Work In Restricted Working Space, Add</i>	56.12	
23 31 13 13-0797 LF 70" x 72", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	266.12	113.84
<i>For 3" WG (Class B), Add</i>	28.46	
<i>For 4" Or 6" WG (Class A), Add</i>	60.71	
<i>For 10" WG (Class A), Add</i>	87.28	
<i>For Work In Restricted Working Space, Add</i>	56.92	
23 31 13 13-0798 LF 70" x 74", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	269.88	115.44
<i>For 3" WG (Class B), Add</i>	28.86	
<i>For 4" Or 6" WG (Class A), Add</i>	61.57	
<i>For 10" WG (Class A), Add</i>	88.50	
<i>For Work In Restricted Working Space, Add</i>	57.72	
23 31 13 13-0799 LF 70" x 76", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	273.62	117.04
<i>For 3" WG (Class B), Add</i>	29.26	
<i>For 4" Or 6" WG (Class A), Add</i>	62.43	
<i>For 10" WG (Class A), Add</i>	89.74	
<i>For Work In Restricted Working Space, Add</i>	58.52	
23 31 13 13-0800 LF 70" x 78", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	277.36	118.65
<i>For 3" WG (Class B), Add</i>	29.66	
<i>For 4" Or 6" WG (Class A), Add</i>	63.28	
<i>For 10" WG (Class A), Add</i>	90.96	
<i>For Work In Restricted Working Space, Add</i>	59.32	
23 31 13 13-0801 LF 70" x 80", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	281.11	120.25
<i>For 3" WG (Class B), Add</i>	30.06	
<i>For 4" Or 6" WG (Class A), Add</i>	64.13	
<i>For 10" WG (Class A), Add</i>	92.19	
<i>For Work In Restricted Working Space, Add</i>	60.13	
23 31 13 13-0802 LF 70" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	284.86	121.85
<i>For 3" WG (Class B), Add</i>	30.46	
<i>For 4" Or 6" WG (Class A), Add</i>	64.99	
<i>For 10" WG (Class A), Add</i>	93.42	
<i>For Work In Restricted Working Space, Add</i>	60.93	
23 31 13 13-0803 LF 70" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	288.62	123.45
<i>For 3" WG (Class B), Add</i>	30.86	
<i>For 4" Or 6" WG (Class A), Add</i>	65.84	
<i>For 10" WG (Class A), Add</i>	94.65	
<i>For Work In Restricted Working Space, Add</i>	61.73	
23 31 13 13-0804 LF 72" x 72", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	269.88	115.44
<i>For 3" WG (Class B), Add</i>	28.86	
<i>For 4" Or 6" WG (Class A), Add</i>	61.57	
<i>For 10" WG (Class A), Add</i>	88.50	
<i>For Work In Restricted Working Space, Add</i>	57.72	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0805 LF 72" x 74", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	273.62	117.04
For 3" WG (Class B), Add	29.26	
For 4" Or 6" WG (Class A), Add	62.43	
For 10" WG (Class A), Add	89.74	
For Work In Restricted Working Space, Add	58.52	
23 31 13 13-0806 LF 72" x 76", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	277.36	118.65
For 3" WG (Class B), Add	29.66	
For 4" Or 6" WG (Class A), Add	63.28	
For 10" WG (Class A), Add	90.96	
For Work In Restricted Working Space, Add	59.32	
23 31 13 13-0807 LF 72" x 78", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	281.11	120.25
For 3" WG (Class B), Add	30.06	
For 4" Or 6" WG (Class A), Add	64.13	
For 10" WG (Class A), Add	92.19	
For Work In Restricted Working Space, Add	60.13	
23 31 13 13-0808 LF 72" x 80", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	284.86	121.85
For 3" WG (Class B), Add	30.46	
For 4" Or 6" WG (Class A), Add	64.99	
For 10" WG (Class A), Add	93.42	
For Work In Restricted Working Space, Add	60.93	
23 31 13 13-0809 LF 72" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	288.62	123.45
For 3" WG (Class B), Add	30.86	
For 4" Or 6" WG (Class A), Add	65.84	
For 10" WG (Class A), Add	94.65	
For Work In Restricted Working Space, Add	61.73	
23 31 13 13-0810 LF 72" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	292.36	125.06
For 3" WG (Class B), Add	31.27	
For 4" Or 6" WG (Class A), Add	66.70	
For 10" WG (Class A), Add	95.88	
For Work In Restricted Working Space, Add	62.53	
23 31 13 13-0811 LF 74" x 74", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	277.36	118.65
For 3" WG (Class B), Add	29.66	
For 4" Or 6" WG (Class A), Add	63.28	
For 10" WG (Class A), Add	90.96	
For Work In Restricted Working Space, Add	59.32	
23 31 13 13-0812 LF 74" x 76", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	281.11	120.25
For 3" WG (Class B), Add	30.06	
For 4" Or 6" WG (Class A), Add	64.13	
For 10" WG (Class A), Add	92.19	
For Work In Restricted Working Space, Add	60.13	
23 31 13 13-0813 LF 74" x 78", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	284.86	121.85
For 3" WG (Class B), Add	30.46	
For 4" Or 6" WG (Class A), Add	64.99	
For 10" WG (Class A), Add	93.42	
For Work In Restricted Working Space, Add	60.93	
23 31 13 13-0814 LF 74" x 80", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	288.62	123.45
For 3" WG (Class B), Add	30.86	
For 4" Or 6" WG (Class A), Add	65.84	
For 10" WG (Class A), Add	94.65	
For Work In Restricted Working Space, Add	61.73	
23 31 13 13-0815 LF 74" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	292.36	125.06
For 3" WG (Class B), Add	31.27	
For 4" Or 6" WG (Class A), Add	66.70	
For 10" WG (Class A), Add	95.88	
For Work In Restricted Working Space, Add	62.53	
23 31 13 13-0816 LF 74" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	296.10	126.66
For 3" WG (Class B), Add	31.67	
For 4" Or 6" WG (Class A), Add	67.55	
For 10" WG (Class A), Add	97.11	
For Work In Restricted Working Space, Add	63.33	
23 31 13 13-0817 LF 76" x 76", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	284.86	121.85
For 3" WG (Class B), Add	30.46	
For 4" Or 6" WG (Class A), Add	64.99	
For 10" WG (Class A), Add	93.42	
For Work In Restricted Working Space, Add	60.93	
23 31 13 13-0818 LF 76" x 78", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	288.62	123.45
For 3" WG (Class B), Add	30.86	
For 4" Or 6" WG (Class A), Add	65.84	
For 10" WG (Class A), Add	94.65	
For Work In Restricted Working Space, Add	61.73	
23 31 13 13-0819 LF 76" x 80", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	292.36	125.06
For 3" WG (Class B), Add	31.27	
For 4" Or 6" WG (Class A), Add	66.70	
For 10" WG (Class A), Add	95.88	
For Work In Restricted Working Space, Add	62.53	
23 31 13 13-0820 LF 76" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	296.10	126.66
For 3" WG (Class B), Add	31.67	
For 4" Or 6" WG (Class A), Add	67.55	
For 10" WG (Class A), Add	97.11	
For Work In Restricted Working Space, Add	63.33	
23 31 13 13-0821 LF 76" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	299.84	128.26
For 3" WG (Class B), Add	32.07	
For 4" Or 6" WG (Class A), Add	68.41	
For 10" WG (Class A), Add	98.34	
For Work In Restricted Working Space, Add	64.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0822 LF 78" x 78", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	292.36	125.06
For 3" WG (Class B), Add	31.27	
For 4" Or 6" WG (Class A), Add	66.70	
For 10" WG (Class A), Add	95.88	
For Work In Restricted Working Space, Add	62.53	
23 31 13 13-0823 LF 78" x 80", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	296.10	126.66
For 3" WG (Class B), Add	31.67	
For 4" Or 6" WG (Class A), Add	67.55	
For 10" WG (Class A), Add	97.11	
For Work In Restricted Working Space, Add	63.33	
23 31 13 13-0824 LF 78" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	299.84	128.26
For 3" WG (Class B), Add	32.07	
For 4" Or 6" WG (Class A), Add	68.41	
For 10" WG (Class A), Add	98.34	
For Work In Restricted Working Space, Add	64.13	
23 31 13 13-0825 LF 78" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	303.60	129.87
For 3" WG (Class B), Add	32.47	
For 4" Or 6" WG (Class A), Add	69.26	
For 10" WG (Class A), Add	99.57	
For Work In Restricted Working Space, Add	64.94	
23 31 13 13-0826 LF 80" x 80", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	299.84	128.26
For 3" WG (Class B), Add	32.07	
For 4" Or 6" WG (Class A), Add	68.41	
For 10" WG (Class A), Add	98.34	
For Work In Restricted Working Space, Add	64.13	
23 31 13 13-0827 LF 80" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	303.60	129.87
For 3" WG (Class B), Add	32.47	
For 4" Or 6" WG (Class A), Add	69.26	
For 10" WG (Class A), Add	99.57	
For Work In Restricted Working Space, Add	64.94	
23 31 13 13-0828 LF 80" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	307.36	131.48
For 3" WG (Class B), Add	32.87	
For 4" Or 6" WG (Class A), Add	70.12	
For 10" WG (Class A), Add	100.80	
For Work In Restricted Working Space, Add	65.74	
23 31 13 13-0829 LF 82" x 82", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	307.36	131.48
For 3" WG (Class B), Add	32.87	
For 4" Or 6" WG (Class A), Add	70.12	
For 10" WG (Class A), Add	100.80	
For Work In Restricted Working Space, Add	65.74	
23 31 13 13-0830 LF 82" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	311.10	133.08
For 3" WG (Class B), Add	33.27	
For 4" Or 6" WG (Class A), Add	70.98	
For 10" WG (Class A), Add	102.03	
For Work In Restricted Working Space, Add	66.54	
23 31 13 13-0831 LF 84" x 84", Up To 2" WG (Class C), 20 Gauge Galvanized Steel Sheet Metal Ductwork.....	314.84	134.68
For 3" WG (Class B), Add	33.67	
For 4" Or 6" WG (Class A), Add	71.83	
For 10" WG (Class A), Add	103.25	
For Work In Restricted Working Space, Add	67.34	
23 31 13 13-0832 18 Gauge Galvanized Steel Metal Ductwork <small>(23 31 13 13-0014)</small>		
23 31 13 13-0833 LF 4" x 4", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	19.52	8.35
For 3" WG (Class B), Add	2.09	
For 4" Or 6" WG (Class A), Add	4.45	
For 10" WG (Class A), Add	6.40	
For Work In Restricted Working Space, Add	4.17	
23 31 13 13-0834 LF 4" x 6", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	24.40	10.44
For 3" WG (Class B), Add	2.61	
For 4" Or 6" WG (Class A), Add	5.57	
For 10" WG (Class A), Add	8.00	
For Work In Restricted Working Space, Add	5.22	
23 31 13 13-0835 LF 4" x 8", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	29.27	12.52
For 3" WG (Class B), Add	3.13	
For 4" Or 6" WG (Class A), Add	6.68	
For 10" WG (Class A), Add	9.60	
For Work In Restricted Working Space, Add	6.26	
23 31 13 13-0836 LF 4" x 10", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	34.15	14.61
For 3" WG (Class B), Add	3.65	
For 4" Or 6" WG (Class A), Add	7.79	
For 10" WG (Class A), Add	11.20	
For Work In Restricted Working Space, Add	7.31	
23 31 13 13-0837 LF 4" x 12", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	39.04	16.70
For 3" WG (Class B), Add	4.17	
For 4" Or 6" WG (Class A), Add	8.91	
For 10" WG (Class A), Add	12.80	
For Work In Restricted Working Space, Add	8.35	
23 31 13 13-0838 LF 4" x 14", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	43.92	18.79
For 3" WG (Class B), Add	4.70	
For 4" Or 6" WG (Class A), Add	10.02	
For 10" WG (Class A), Add	14.40	
For Work In Restricted Working Space, Add	9.39	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0839	LF	4" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	48.80	20.87	
		<i>For 3" WG (Class B), Add</i>	5.22		
		<i>For 4" Or 6" WG (Class A), Add</i>	11.13		
		<i>For 10" WG (Class A), Add</i>	16.00		
		<i>For Work In Restricted Working Space, Add</i>	10.44		
23 31 13 13-0840	LF	6" x 8", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	29.27	12.52	
		<i>For 3" WG (Class B), Add</i>	3.13		
		<i>For 4" Or 6" WG (Class A), Add</i>	6.68		
		<i>For 10" WG (Class A), Add</i>	9.60		
		<i>For Work In Restricted Working Space, Add</i>	6.26		
23 31 13 13-0841	LF	6" x 8", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	34.15	14.61	
		<i>For 3" WG (Class B), Add</i>	3.65		
		<i>For 4" Or 6" WG (Class A), Add</i>	7.79		
		<i>For 10" WG (Class A), Add</i>	11.20		
		<i>For Work In Restricted Working Space, Add</i>	7.31		
23 31 13 13-0842	LF	6" x 10", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	39.04	16.70	
		<i>For 3" WG (Class B), Add</i>	4.17		
		<i>For 4" Or 6" WG (Class A), Add</i>	8.91		
		<i>For 10" WG (Class A), Add</i>	12.80		
		<i>For Work In Restricted Working Space, Add</i>	8.35		
23 31 13 13-0843	LF	6" x 12", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	43.92	18.79	
		<i>For 3" WG (Class B), Add</i>	4.70		
		<i>For 4" Or 6" WG (Class A), Add</i>	10.02		
		<i>For 10" WG (Class A), Add</i>	14.40		
		<i>For Work In Restricted Working Space, Add</i>	9.39		
23 31 13 13-0844	LF	6" x 14", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	48.80	20.87	
		<i>For 3" WG (Class B), Add</i>	5.22		
		<i>For 4" Or 6" WG (Class A), Add</i>	11.13		
		<i>For 10" WG (Class A), Add</i>	16.00		
		<i>For Work In Restricted Working Space, Add</i>	10.44		
23 31 13 13-0845	LF	6" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	53.67	22.96	
		<i>For 3" WG (Class B), Add</i>	5.74		
		<i>For 4" Or 6" WG (Class A), Add</i>	12.25		
		<i>For 10" WG (Class A), Add</i>	17.60		
		<i>For Work In Restricted Working Space, Add</i>	11.48		
23 31 13 13-0846	LF	8" x 8", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	39.04	16.70	
		<i>For 3" WG (Class B), Add</i>	4.17		
		<i>For 4" Or 6" WG (Class A), Add</i>	8.91		
		<i>For 10" WG (Class A), Add</i>	12.80		
		<i>For Work In Restricted Working Space, Add</i>	8.35		
23 31 13 13-0847	LF	8" x 10", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	43.92	18.79	
		<i>For 3" WG (Class B), Add</i>	4.70		
		<i>For 4" Or 6" WG (Class A), Add</i>	10.02		
		<i>For 10" WG (Class A), Add</i>	14.40		
		<i>For Work In Restricted Working Space, Add</i>	9.39		
23 31 13 13-0848	LF	8" x 12", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	48.80	20.87	
		<i>For 3" WG (Class B), Add</i>	5.22		
		<i>For 4" Or 6" WG (Class A), Add</i>	11.13		
		<i>For 10" WG (Class A), Add</i>	16.00		
		<i>For Work In Restricted Working Space, Add</i>	10.44		
23 31 13 13-0849	LF	8" x 14", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	53.67	22.96	
		<i>For 3" WG (Class B), Add</i>	5.74		
		<i>For 4" Or 6" WG (Class A), Add</i>	12.25		
		<i>For 10" WG (Class A), Add</i>	17.60		
		<i>For Work In Restricted Working Space, Add</i>	11.48		
23 31 13 13-0850	LF	8" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	58.55	25.05	
		<i>For 3" WG (Class B), Add</i>	6.26		
		<i>For 4" Or 6" WG (Class A), Add</i>	13.36		
		<i>For 10" WG (Class A), Add</i>	19.21		
		<i>For Work In Restricted Working Space, Add</i>	12.53		
23 31 13 13-0851	LF	8" x 18", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	63.44	27.13	
		<i>For 3" WG (Class B), Add</i>	6.78		
		<i>For 4" Or 6" WG (Class A), Add</i>	14.47		
		<i>For 10" WG (Class A), Add</i>	20.80		
		<i>For Work In Restricted Working Space, Add</i>	13.57		
23 31 13 13-0852	LF	8" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	68.32	29.23	
		<i>For 3" WG (Class B), Add</i>	7.31		
		<i>For 4" Or 6" WG (Class A), Add</i>	15.59		
		<i>For 10" WG (Class A), Add</i>	22.41		
		<i>For Work In Restricted Working Space, Add</i>	14.61		
23 31 13 13-0853	LF	8" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	73.19	31.31	
		<i>For 3" WG (Class B), Add</i>	7.83		
		<i>For 4" Or 6" WG (Class A), Add</i>	16.70		
		<i>For 10" WG (Class A), Add</i>	24.00		
		<i>For Work In Restricted Working Space, Add</i>	15.65		
23 31 13 13-0854	LF	8" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	78.08	33.40	
		<i>For 3" WG (Class B), Add</i>	8.35		
		<i>For 4" Or 6" WG (Class A), Add</i>	17.81		
		<i>For 10" WG (Class A), Add</i>	25.61		
		<i>For Work In Restricted Working Space, Add</i>	16.70		
23 31 13 13-0855	LF	10" x 10", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	48.80	20.87	
		<i>For 3" WG (Class B), Add</i>	5.22		
		<i>For 4" Or 6" WG (Class A), Add</i>	11.13		
		<i>For 10" WG (Class A), Add</i>	16.00		
		<i>For Work In Restricted Working Space, Add</i>	10.44		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0856 LF 10" x 12", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	53.67	22.96
<i>For 3" WG (Class B), Add</i>	5.74	
<i>For 4" Or 6" WG (Class A), Add</i>	12.25	
<i>For 10" WG (Class A), Add</i>	17.60	
<i>For Work In Restricted Working Space, Add</i>	11.48	
23 31 13 13-0857 LF 10" x 14", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	58.55	25.05
<i>For 3" WG (Class B), Add</i>	6.26	
<i>For 4" Or 6" WG (Class A), Add</i>	13.36	
<i>For 10" WG (Class A), Add</i>	19.21	
<i>For Work In Restricted Working Space, Add</i>	12.53	
23 31 13 13-0858 LF 10" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	63.44	27.13
<i>For 3" WG (Class B), Add</i>	6.78	
<i>For 4" Or 6" WG (Class A), Add</i>	14.47	
<i>For 10" WG (Class A), Add</i>	20.80	
<i>For Work In Restricted Working Space, Add</i>	13.57	
23 31 13 13-0859 LF 10" x 18", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	68.32	29.23
<i>For 3" WG (Class B), Add</i>	7.31	
<i>For 4" Or 6" WG (Class A), Add</i>	15.59	
<i>For 10" WG (Class A), Add</i>	22.41	
<i>For Work In Restricted Working Space, Add</i>	14.61	
23 31 13 13-0860 LF 10" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	73.19	31.31
<i>For 3" WG (Class B), Add</i>	7.83	
<i>For 4" Or 6" WG (Class A), Add</i>	16.70	
<i>For 10" WG (Class A), Add</i>	24.00	
<i>For Work In Restricted Working Space, Add</i>	15.65	
23 31 13 13-0861 LF 10" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	78.08	33.40
<i>For 3" WG (Class B), Add</i>	8.35	
<i>For 4" Or 6" WG (Class A), Add</i>	17.81	
<i>For 10" WG (Class A), Add</i>	25.61	
<i>For Work In Restricted Working Space, Add</i>	16.70	
23 31 13 13-0862 LF 10" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	82.95	35.49
<i>For 3" WG (Class B), Add</i>	8.87	
<i>For 4" Or 6" WG (Class A), Add</i>	18.93	
<i>For 10" WG (Class A), Add</i>	27.21	
<i>For Work In Restricted Working Space, Add</i>	17.75	
23 31 13 13-0863 LF 10" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	87.84	37.57
<i>For 3" WG (Class B), Add</i>	9.39	
<i>For 4" Or 6" WG (Class A), Add</i>	20.04	
<i>For 10" WG (Class A), Add</i>	28.81	
<i>For Work In Restricted Working Space, Add</i>	18.79	
23 31 13 13-0864 LF 10" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	92.73	39.66
<i>For 3" WG (Class B), Add</i>	9.92	
<i>For 4" Or 6" WG (Class A), Add</i>	21.16	
<i>For 10" WG (Class A), Add</i>	30.41	
<i>For Work In Restricted Working Space, Add</i>	19.83	
23 31 13 13-0865 LF 10" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	97.59	41.75
<i>For 3" WG (Class B), Add</i>	10.44	
<i>For 4" Or 6" WG (Class A), Add</i>	22.27	
<i>For 10" WG (Class A), Add</i>	32.01	
<i>For Work In Restricted Working Space, Add</i>	20.87	
23 31 13 13-0866 LF 10" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	102.47	43.84
<i>For 3" WG (Class B), Add</i>	10.96	
<i>For 4" Or 6" WG (Class A), Add</i>	23.38	
<i>For 10" WG (Class A), Add</i>	33.61	
<i>For Work In Restricted Working Space, Add</i>	21.92	
23 31 13 13-0867 LF 12" x 12", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	58.55	25.05
<i>For 3" WG (Class B), Add</i>	6.26	
<i>For 4" Or 6" WG (Class A), Add</i>	13.36	
<i>For 10" WG (Class A), Add</i>	19.21	
<i>For Work In Restricted Working Space, Add</i>	12.53	
23 31 13 13-0868 LF 12" x 14", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	63.44	27.13
<i>For 3" WG (Class B), Add</i>	6.78	
<i>For 4" Or 6" WG (Class A), Add</i>	14.47	
<i>For 10" WG (Class A), Add</i>	20.80	
<i>For Work In Restricted Working Space, Add</i>	13.57	
23 31 13 13-0869 LF 12" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	68.32	29.23
<i>For 3" WG (Class B), Add</i>	7.31	
<i>For 4" Or 6" WG (Class A), Add</i>	15.59	
<i>For 10" WG (Class A), Add</i>	22.41	
<i>For Work In Restricted Working Space, Add</i>	14.61	
23 31 13 13-0870 LF 12" x 18", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	73.19	31.31
<i>For 3" WG (Class B), Add</i>	7.83	
<i>For 4" Or 6" WG (Class A), Add</i>	16.70	
<i>For 10" WG (Class A), Add</i>	24.00	
<i>For Work In Restricted Working Space, Add</i>	15.65	
23 31 13 13-0871 LF 12" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	78.08	33.40
<i>For 3" WG (Class B), Add</i>	8.35	
<i>For 4" Or 6" WG (Class A), Add</i>	17.81	
<i>For 10" WG (Class A), Add</i>	25.61	
<i>For Work In Restricted Working Space, Add</i>	16.70	
23 31 13 13-0872 LF 12" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	82.95	35.49
<i>For 3" WG (Class B), Add</i>	8.87	
<i>For 4" Or 6" WG (Class A), Add</i>	18.93	
<i>For 10" WG (Class A), Add</i>	27.21	
<i>For Work In Restricted Working Space, Add</i>	17.75	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0873 LF 12" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	87.84	37.57
For 3" WG (Class B), Add	9.39	
For 4" Or 6" WG (Class A), Add	20.04	
For 10" WG (Class A), Add	28.81	
For Work In Restricted Working Space, Add	18.79	
23 31 13 13-0874 LF 12" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	92.73	39.66
For 3" WG (Class B), Add	9.92	
For 4" Or 6" WG (Class A), Add	21.16	
For 10" WG (Class A), Add	30.41	
For Work In Restricted Working Space, Add	19.83	
23 31 13 13-0875 LF 12" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	97.59	41.75
For 3" WG (Class B), Add	10.44	
For 4" Or 6" WG (Class A), Add	22.27	
For 10" WG (Class A), Add	32.01	
For Work In Restricted Working Space, Add	20.87	
23 31 13 13-0876 LF 12" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	102.47	43.84
For 3" WG (Class B), Add	10.96	
For 4" Or 6" WG (Class A), Add	23.38	
For 10" WG (Class A), Add	33.61	
For Work In Restricted Working Space, Add	21.92	
23 31 13 13-0877 LF 12" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	107.35	45.92
For 3" WG (Class B), Add	11.48	
For 4" Or 6" WG (Class A), Add	24.49	
For 10" WG (Class A), Add	35.21	
For Work In Restricted Working Space, Add	22.96	
23 31 13 13-0878 LF 12" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	112.24	48.01
For 3" WG (Class B), Add	12.00	
For 4" Or 6" WG (Class A), Add	25.61	
For 10" WG (Class A), Add	36.81	
For Work In Restricted Working Space, Add	24.01	
23 31 13 13-0879 LF 12" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	117.11	50.10
For 3" WG (Class B), Add	12.52	
For 4" Or 6" WG (Class A), Add	26.72	
For 10" WG (Class A), Add	38.41	
For Work In Restricted Working Space, Add	25.05	
23 31 13 13-0880 LF 14" x 14", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	68.32	29.23
For 3" WG (Class B), Add	7.31	
For 4" Or 6" WG (Class A), Add	15.59	
For 10" WG (Class A), Add	22.41	
For Work In Restricted Working Space, Add	14.61	
23 31 13 13-0881 LF 14" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	73.19	31.31
For 3" WG (Class B), Add	7.83	
For 4" Or 6" WG (Class A), Add	16.70	
For 10" WG (Class A), Add	24.00	
For Work In Restricted Working Space, Add	15.65	
23 31 13 13-0882 LF 14" x 18", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	78.08	33.40
For 3" WG (Class B), Add	8.35	
For 4" Or 6" WG (Class A), Add	17.81	
For 10" WG (Class A), Add	25.61	
For Work In Restricted Working Space, Add	16.70	
23 31 13 13-0883 LF 14" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	82.95	35.49
For 3" WG (Class B), Add	8.87	
For 4" Or 6" WG (Class A), Add	18.93	
For 10" WG (Class A), Add	27.21	
For Work In Restricted Working Space, Add	17.75	
23 31 13 13-0884 LF 14" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	87.84	37.57
For 3" WG (Class B), Add	9.39	
For 4" Or 6" WG (Class A), Add	20.04	
For 10" WG (Class A), Add	28.81	
For Work In Restricted Working Space, Add	18.79	
23 31 13 13-0885 LF 14" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	92.73	39.66
For 3" WG (Class B), Add	9.92	
For 4" Or 6" WG (Class A), Add	21.16	
For 10" WG (Class A), Add	30.41	
For Work In Restricted Working Space, Add	19.83	
23 31 13 13-0886 LF 14" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	97.59	41.75
For 3" WG (Class B), Add	10.44	
For 4" Or 6" WG (Class A), Add	22.27	
For 10" WG (Class A), Add	32.01	
For Work In Restricted Working Space, Add	20.87	
23 31 13 13-0887 LF 14" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	102.47	43.84
For 3" WG (Class B), Add	10.96	
For 4" Or 6" WG (Class A), Add	23.38	
For 10" WG (Class A), Add	33.61	
For Work In Restricted Working Space, Add	21.92	
23 31 13 13-0888 LF 14" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	107.35	45.92
For 3" WG (Class B), Add	11.48	
For 4" Or 6" WG (Class A), Add	24.49	
For 10" WG (Class A), Add	35.21	
For Work In Restricted Working Space, Add	22.96	
23 31 13 13-0889 LF 14" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	112.24	48.01
For 3" WG (Class B), Add	12.00	
For 4" Or 6" WG (Class A), Add	25.61	
For 10" WG (Class A), Add	36.81	
For Work In Restricted Working Space, Add	24.01	



Heating, Ventilating, And Air-Conditioning (HVAC)

23

HVAC Air Distribution

23 30

HVAC Ducts And Casings

23 31

23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13	13-0890	LF 14" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	117.11 12.52 26.72 38.41 25.05	50.10
23 31	13	13-0891	LF 14" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	122.00 13.05 27.83 40.01 26.09	52.18
23 31	13	13-0892	LF 16" x 16", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	78.08 8.35 17.81 25.61 16.70	33.40
23 31	13	13-0893	LF 16" x 18", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	82.95 8.87 18.93 27.21 17.75	35.49
23 31	13	13-0894	LF 16" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	87.84 9.39 20.04 28.81 18.79	37.57
23 31	13	13-0895	LF 16" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	92.73 9.92 21.16 30.41 19.83	39.66
23 31	13	13-0896	LF 16" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	97.59 10.44 22.27 32.01 20.87	41.75
23 31	13	13-0897	LF 16" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	102.47 10.96 23.38 33.61 21.92	43.84
23 31	13	13-0898	LF 16" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	107.35 11.48 24.49 35.21 22.96	45.92
23 31	13	13-0899	LF 16" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	112.24 12.00 25.61 36.81 24.01	48.01
23 31	13	13-0900	LF 16" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	117.11 12.52 26.72 38.41 25.05	50.10
23 31	13	13-0901	LF 16" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	122.00 13.05 27.83 40.01 26.09	52.18
23 31	13	13-0902	LF 16" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	126.87 13.57 28.95 41.61 27.14	54.28
23 31	13	13-0903	LF 16" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	131.74 14.09 30.06 43.21 28.18	56.36
23 31	13	13-0904	LF 16" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	136.65 14.61 31.17 44.81 29.23	58.44
23 31	13	13-0905	LF 16" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	141.51 15.13 32.28 46.41 30.27	60.54
23 31	13	13-0906	LF 16" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... For 3" WG (Class B), Add For 4" Or 6" WG (Class A), Add For 10" WG (Class A), Add For Work In Restricted Working Space, Add	146.39 15.66 33.40 48.01 31.31	62.62

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0907 LF 18" x 18", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	87.84	37.57
For 3" WG (Class B), Add	9.39	
For 4" Or 6" WG (Class A), Add	20.04	
For 10" WG (Class A), Add	28.81	
For Work In Restricted Working Space, Add	18.79	
23 31 13 13-0908 LF 18" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	92.73	39.66
For 3" WG (Class B), Add	9.92	
For 4" Or 6" WG (Class A), Add	21.16	
For 10" WG (Class A), Add	30.41	
For Work In Restricted Working Space, Add	19.83	
23 31 13 13-0909 LF 18" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	97.59	41.75
For 3" WG (Class B), Add	10.44	
For 4" Or 6" WG (Class A), Add	22.27	
For 10" WG (Class A), Add	32.01	
For Work In Restricted Working Space, Add	20.87	
23 31 13 13-0910 LF 18" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	102.47	43.84
For 3" WG (Class B), Add	10.96	
For 4" Or 6" WG (Class A), Add	23.38	
For 10" WG (Class A), Add	33.61	
For Work In Restricted Working Space, Add	21.92	
23 31 13 13-0911 LF 18" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	107.35	45.92
For 3" WG (Class B), Add	11.48	
For 4" Or 6" WG (Class A), Add	24.49	
For 10" WG (Class A), Add	35.21	
For Work In Restricted Working Space, Add	22.96	
23 31 13 13-0912 LF 18" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	112.24	48.01
For 3" WG (Class B), Add	12.00	
For 4" Or 6" WG (Class A), Add	25.61	
For 10" WG (Class A), Add	36.81	
For Work In Restricted Working Space, Add	24.01	
23 31 13 13-0913 LF 18" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	117.11	50.10
For 3" WG (Class B), Add	12.52	
For 4" Or 6" WG (Class A), Add	26.72	
For 10" WG (Class A), Add	38.41	
For Work In Restricted Working Space, Add	25.05	
23 31 13 13-0914 LF 18" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	122.00	52.18
For 3" WG (Class B), Add	13.05	
For 4" Or 6" WG (Class A), Add	27.83	
For 10" WG (Class A), Add	40.01	
For Work In Restricted Working Space, Add	26.09	
23 31 13 13-0915 LF 18" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	126.87	54.28
For 3" WG (Class B), Add	13.57	
For 4" Or 6" WG (Class A), Add	28.95	
For 10" WG (Class A), Add	41.61	
For Work In Restricted Working Space, Add	27.14	
23 31 13 13-0916 LF 18" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	131.74	56.36
For 3" WG (Class B), Add	14.09	
For 4" Or 6" WG (Class A), Add	30.06	
For 10" WG (Class A), Add	43.21	
For Work In Restricted Working Space, Add	28.18	
23 31 13 13-0917 LF 18" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	136.65	58.44
For 3" WG (Class B), Add	14.61	
For 4" Or 6" WG (Class A), Add	31.17	
For 10" WG (Class A), Add	44.81	
For Work In Restricted Working Space, Add	29.23	
23 31 13 13-0918 LF 18" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	141.51	60.54
For 3" WG (Class B), Add	15.13	
For 4" Or 6" WG (Class A), Add	32.28	
For 10" WG (Class A), Add	46.41	
For Work In Restricted Working Space, Add	30.27	
23 31 13 13-0919 LF 18" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	146.39	62.62
For 3" WG (Class B), Add	15.66	
For 4" Or 6" WG (Class A), Add	33.40	
For 10" WG (Class A), Add	48.01	
For Work In Restricted Working Space, Add	31.31	
23 31 13 13-0920 LF 18" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	151.27	64.71
For 3" WG (Class B), Add	16.18	
For 4" Or 6" WG (Class A), Add	34.51	
For 10" WG (Class A), Add	49.61	
For Work In Restricted Working Space, Add	32.36	
23 31 13 13-0921 LF 18" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	156.17	66.80
For 3" WG (Class B), Add	16.70	
For 4" Or 6" WG (Class A), Add	35.63	
For 10" WG (Class A), Add	51.21	
For Work In Restricted Working Space, Add	33.40	
23 31 13 13-0922 LF 20" x 20", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	97.59	41.75
For 3" WG (Class B), Add	10.44	
For 4" Or 6" WG (Class A), Add	22.27	
For 10" WG (Class A), Add	32.01	
For Work In Restricted Working Space, Add	20.87	
23 31 13 13-0923 LF 20" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	102.47	43.84
For 3" WG (Class B), Add	10.96	
For 4" Or 6" WG (Class A), Add	23.38	
For 10" WG (Class A), Add	33.61	
For Work In Restricted Working Space, Add	21.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0924 LF 20" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	107.35	45.92
For 3" WG (Class B), Add	11.48	
For 4" Or 6" WG (Class A), Add	24.49	
For 10" WG (Class A), Add	35.21	
For Work In Restricted Working Space, Add	22.96	
23 31 13 13-0925 LF 20" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	112.24	48.01
For 3" WG (Class B), Add	12.00	
For 4" Or 6" WG (Class A), Add	25.61	
For 10" WG (Class A), Add	36.81	
For Work In Restricted Working Space, Add	24.01	
23 31 13 13-0926 LF 20" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	117.11	50.10
For 3" WG (Class B), Add	12.52	
For 4" Or 6" WG (Class A), Add	26.72	
For 10" WG (Class A), Add	38.41	
For Work In Restricted Working Space, Add	25.05	
23 31 13 13-0927 LF 20" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	122.00	52.18
For 3" WG (Class B), Add	13.05	
For 4" Or 6" WG (Class A), Add	27.83	
For 10" WG (Class A), Add	40.01	
For Work In Restricted Working Space, Add	26.09	
23 31 13 13-0928 LF 20" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	126.87	54.28
For 3" WG (Class B), Add	13.57	
For 4" Or 6" WG (Class A), Add	28.95	
For 10" WG (Class A), Add	41.61	
For Work In Restricted Working Space, Add	27.14	
23 31 13 13-0929 LF 20" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	131.74	56.36
For 3" WG (Class B), Add	14.09	
For 4" Or 6" WG (Class A), Add	30.06	
For 10" WG (Class A), Add	43.21	
For Work In Restricted Working Space, Add	28.18	
23 31 13 13-0930 LF 20" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	136.65	58.44
For 3" WG (Class B), Add	14.61	
For 4" Or 6" WG (Class A), Add	31.17	
For 10" WG (Class A), Add	44.81	
For Work In Restricted Working Space, Add	29.23	
23 31 13 13-0931 LF 20" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	141.51	60.54
For 3" WG (Class B), Add	15.13	
For 4" Or 6" WG (Class A), Add	32.28	
For 10" WG (Class A), Add	46.41	
For Work In Restricted Working Space, Add	30.27	
23 31 13 13-0932 LF 20" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	146.39	62.62
For 3" WG (Class B), Add	15.66	
For 4" Or 6" WG (Class A), Add	33.40	
For 10" WG (Class A), Add	48.01	
For Work In Restricted Working Space, Add	31.31	
23 31 13 13-0933 LF 20" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	151.27	64.71
For 3" WG (Class B), Add	16.18	
For 4" Or 6" WG (Class A), Add	34.51	
For 10" WG (Class A), Add	49.61	
For Work In Restricted Working Space, Add	32.36	
23 31 13 13-0934 LF 20" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	156.17	66.80
For 3" WG (Class B), Add	16.70	
For 4" Or 6" WG (Class A), Add	35.63	
For 10" WG (Class A), Add	51.21	
For Work In Restricted Working Space, Add	33.40	
23 31 13 13-0935 LF 20" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	161.03	68.88
For 3" WG (Class B), Add	17.22	
For 4" Or 6" WG (Class A), Add	36.74	
For 10" WG (Class A), Add	52.81	
For Work In Restricted Working Space, Add	34.44	
23 31 13 13-0936 LF 20" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	165.92	70.97
For 3" WG (Class B), Add	17.74	
For 4" Or 6" WG (Class A), Add	37.85	
For 10" WG (Class A), Add	54.41	
For Work In Restricted Working Space, Add	35.49	
23 31 13 13-0937 LF 22" x 22", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	107.35	45.92
For 3" WG (Class B), Add	11.48	
For 4" Or 6" WG (Class A), Add	24.49	
For 10" WG (Class A), Add	35.21	
For Work In Restricted Working Space, Add	22.96	
23 31 13 13-0938 LF 22" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	112.24	48.01
For 3" WG (Class B), Add	12.00	
For 4" Or 6" WG (Class A), Add	25.61	
For 10" WG (Class A), Add	36.81	
For Work In Restricted Working Space, Add	24.01	
23 31 13 13-0939 LF 22" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	117.11	50.10
For 3" WG (Class B), Add	12.52	
For 4" Or 6" WG (Class A), Add	26.72	
For 10" WG (Class A), Add	38.41	
For Work In Restricted Working Space, Add	25.05	
23 31 13 13-0940 LF 22" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	122.00	52.18
For 3" WG (Class B), Add	13.05	
For 4" Or 6" WG (Class A), Add	27.83	
For 10" WG (Class A), Add	40.01	
For Work In Restricted Working Space, Add	26.09	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0941 LF 22" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	126.87	54.28
For 3" WG (Class B), Add	13.57	
For 4" Or 6" WG (Class A), Add	28.95	
For 10" WG (Class A), Add	41.61	
For Work In Restricted Working Space, Add	27.14	
23 31 13 13-0942 LF 22" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	131.74	56.36
For 3" WG (Class B), Add	14.09	
For 4" Or 6" WG (Class A), Add	30.06	
For 10" WG (Class A), Add	43.21	
For Work In Restricted Working Space, Add	28.18	
23 31 13 13-0943 LF 22" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	136.65	58.44
For 3" WG (Class B), Add	14.61	
For 4" Or 6" WG (Class A), Add	31.17	
For 10" WG (Class A), Add	44.81	
For Work In Restricted Working Space, Add	29.23	
23 31 13 13-0944 LF 22" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	141.51	60.54
For 3" WG (Class B), Add	15.13	
For 4" Or 6" WG (Class A), Add	32.28	
For 10" WG (Class A), Add	46.41	
For Work In Restricted Working Space, Add	30.27	
23 31 13 13-0945 LF 22" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	146.39	62.62
For 3" WG (Class B), Add	15.66	
For 4" Or 6" WG (Class A), Add	33.40	
For 10" WG (Class A), Add	48.01	
For Work In Restricted Working Space, Add	31.31	
23 31 13 13-0946 LF 22" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	151.27	64.71
For 3" WG (Class B), Add	16.18	
For 4" Or 6" WG (Class A), Add	34.51	
For 10" WG (Class A), Add	49.61	
For Work In Restricted Working Space, Add	32.36	
23 31 13 13-0947 LF 22" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	156.17	66.80
For 3" WG (Class B), Add	16.70	
For 4" Or 6" WG (Class A), Add	35.63	
For 10" WG (Class A), Add	51.21	
For Work In Restricted Working Space, Add	33.40	
23 31 13 13-0948 LF 22" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	161.03	68.88
For 3" WG (Class B), Add	17.22	
For 4" Or 6" WG (Class A), Add	36.74	
For 10" WG (Class A), Add	52.81	
For Work In Restricted Working Space, Add	34.44	
23 31 13 13-0949 LF 22" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	165.92	70.97
For 3" WG (Class B), Add	17.74	
For 4" Or 6" WG (Class A), Add	37.85	
For 10" WG (Class A), Add	54.41	
For Work In Restricted Working Space, Add	35.49	
23 31 13 13-0950 LF 22" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	170.79	73.06
For 3" WG (Class B), Add	18.27	
For 4" Or 6" WG (Class A), Add	38.97	
For 10" WG (Class A), Add	56.01	
For Work In Restricted Working Space, Add	36.53	
23 31 13 13-0951 LF 24" x 24", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	117.11	50.10
For 3" WG (Class B), Add	12.52	
For 4" Or 6" WG (Class A), Add	26.72	
For 10" WG (Class A), Add	38.41	
For Work In Restricted Working Space, Add	25.05	
23 31 13 13-0952 LF 24" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	122.00	52.18
For 3" WG (Class B), Add	13.05	
For 4" Or 6" WG (Class A), Add	27.83	
For 10" WG (Class A), Add	40.01	
For Work In Restricted Working Space, Add	26.09	
23 31 13 13-0953 LF 24" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	126.87	54.28
For 3" WG (Class B), Add	13.57	
For 4" Or 6" WG (Class A), Add	28.95	
For 10" WG (Class A), Add	41.61	
For Work In Restricted Working Space, Add	27.14	
23 31 13 13-0954 LF 24" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	131.74	56.36
For 3" WG (Class B), Add	14.09	
For 4" Or 6" WG (Class A), Add	30.06	
For 10" WG (Class A), Add	43.21	
For Work In Restricted Working Space, Add	28.18	
23 31 13 13-0955 LF 24" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	136.65	58.44
For 3" WG (Class B), Add	14.61	
For 4" Or 6" WG (Class A), Add	31.17	
For 10" WG (Class A), Add	44.81	
For Work In Restricted Working Space, Add	29.23	
23 31 13 13-0956 LF 24" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	141.51	60.54
For 3" WG (Class B), Add	15.13	
For 4" Or 6" WG (Class A), Add	32.28	
For 10" WG (Class A), Add	46.41	
For Work In Restricted Working Space, Add	30.27	
23 31 13 13-0957 LF 24" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	146.39	62.62
For 3" WG (Class B), Add	15.66	
For 4" Or 6" WG (Class A), Add	33.40	
For 10" WG (Class A), Add	48.01	
For Work In Restricted Working Space, Add	31.31	



Heating, Ventilating, And Air-Conditioning (HVAC)	23
HVAC Air Distribution	23 30
HVAC Ducts And Casings	23 31

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0958 LF 24" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	151.27	64.71
For 3" WG (Class B), Add	16.18	
For 4" Or 6" WG (Class A), Add	34.51	
For 10" WG (Class A), Add	49.61	
For Work In Restricted Working Space, Add	32.36	
23 31 13 13-0959 LF 24" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	156.17	66.80
For 3" WG (Class B), Add	16.70	
For 4" Or 6" WG (Class A), Add	35.63	
For 10" WG (Class A), Add	51.21	
For Work In Restricted Working Space, Add	33.40	
23 31 13 13-0960 LF 24" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	161.03	68.88
For 3" WG (Class B), Add	17.22	
For 4" Or 6" WG (Class A), Add	36.74	
For 10" WG (Class A), Add	52.81	
For Work In Restricted Working Space, Add	34.44	
23 31 13 13-0961 LF 24" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	165.92	70.97
For 3" WG (Class B), Add	17.74	
For 4" Or 6" WG (Class A), Add	37.85	
For 10" WG (Class A), Add	54.41	
For Work In Restricted Working Space, Add	35.49	
23 31 13 13-0962 LF 24" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	170.79	73.06
For 3" WG (Class B), Add	18.27	
For 4" Or 6" WG (Class A), Add	38.97	
For 10" WG (Class A), Add	56.01	
For Work In Restricted Working Space, Add	36.53	
23 31 13 13-0963 LF 24" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	175.66	75.15
For 3" WG (Class B), Add	18.79	
For 4" Or 6" WG (Class A), Add	40.08	
For 10" WG (Class A), Add	57.61	
For Work In Restricted Working Space, Add	37.57	
23 31 13 13-0964 LF 26" x 26", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	126.87	54.28
For 3" WG (Class B), Add	13.57	
For 4" Or 6" WG (Class A), Add	28.95	
For 10" WG (Class A), Add	41.61	
For Work In Restricted Working Space, Add	27.14	
23 31 13 13-0965 LF 26" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	131.74	56.36
For 3" WG (Class B), Add	14.09	
For 4" Or 6" WG (Class A), Add	30.06	
For 10" WG (Class A), Add	43.21	
For Work In Restricted Working Space, Add	28.18	
23 31 13 13-0966 LF 26" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	136.65	58.44
For 3" WG (Class B), Add	14.61	
For 4" Or 6" WG (Class A), Add	31.17	
For 10" WG (Class A), Add	44.81	
For Work In Restricted Working Space, Add	29.23	
23 31 13 13-0967 LF 26" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	141.51	60.54
For 3" WG (Class B), Add	15.13	
For 4" Or 6" WG (Class A), Add	32.28	
For 10" WG (Class A), Add	46.41	
For Work In Restricted Working Space, Add	30.27	
23 31 13 13-0968 LF 26" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	146.39	62.62
For 3" WG (Class B), Add	15.66	
For 4" Or 6" WG (Class A), Add	33.40	
For 10" WG (Class A), Add	48.01	
For Work In Restricted Working Space, Add	31.31	
23 31 13 13-0969 LF 26" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	151.27	64.71
For 3" WG (Class B), Add	16.18	
For 4" Or 6" WG (Class A), Add	34.51	
For 10" WG (Class A), Add	49.61	
For Work In Restricted Working Space, Add	32.36	
23 31 13 13-0970 LF 26" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	156.17	66.80
For 3" WG (Class B), Add	16.70	
For 4" Or 6" WG (Class A), Add	35.63	
For 10" WG (Class A), Add	51.21	
For Work In Restricted Working Space, Add	33.40	
23 31 13 13-0971 LF 26" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	161.03	68.88
For 3" WG (Class B), Add	17.22	
For 4" Or 6" WG (Class A), Add	36.74	
For 10" WG (Class A), Add	52.81	
For Work In Restricted Working Space, Add	34.44	
23 31 13 13-0972 LF 26" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	165.92	70.97
For 3" WG (Class B), Add	17.74	
For 4" Or 6" WG (Class A), Add	37.85	
For 10" WG (Class A), Add	54.41	
For Work In Restricted Working Space, Add	35.49	
23 31 13 13-0973 LF 26" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	170.79	73.06
For 3" WG (Class B), Add	18.27	
For 4" Or 6" WG (Class A), Add	38.97	
For 10" WG (Class A), Add	56.01	
For Work In Restricted Working Space, Add	36.53	
23 31 13 13-0974 LF 26" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	175.66	75.15
For 3" WG (Class B), Add	18.79	
For 4" Or 6" WG (Class A), Add	40.08	
For 10" WG (Class A), Add	57.61	
For Work In Restricted Working Space, Add	37.57	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0975	LF	26" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	180.57	77.23
		<i>For 3" WG (Class B), Add</i>	19.31	
		<i>For 4" Or 6" WG (Class A), Add</i>	41.19	
		<i>For 10" WG (Class A), Add</i>	59.22	
		<i>For Work In Restricted Working Space, Add</i>	38.62	
23 31 13 13-0976	LF	28" x 28", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	136.65	58.44
		<i>For 3" WG (Class B), Add</i>	14.61	
		<i>For 4" Or 6" WG (Class A), Add</i>	31.17	
		<i>For 10" WG (Class A), Add</i>	44.81	
		<i>For Work In Restricted Working Space, Add</i>	29.23	
23 31 13 13-0977	LF	28" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	141.51	60.54
		<i>For 3" WG (Class B), Add</i>	15.13	
		<i>For 4" Or 6" WG (Class A), Add</i>	32.28	
		<i>For 10" WG (Class A), Add</i>	46.41	
		<i>For Work In Restricted Working Space, Add</i>	30.27	
23 31 13 13-0978	LF	28" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	146.39	62.62
		<i>For 3" WG (Class B), Add</i>	15.66	
		<i>For 4" Or 6" WG (Class A), Add</i>	33.40	
		<i>For 10" WG (Class A), Add</i>	48.01	
		<i>For Work In Restricted Working Space, Add</i>	31.31	
23 31 13 13-0979	LF	28" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	151.27	64.71
		<i>For 3" WG (Class B), Add</i>	16.18	
		<i>For 4" Or 6" WG (Class A), Add</i>	34.51	
		<i>For 10" WG (Class A), Add</i>	49.61	
		<i>For Work In Restricted Working Space, Add</i>	32.36	
23 31 13 13-0980	LF	28" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	156.17	66.80
		<i>For 3" WG (Class B), Add</i>	16.70	
		<i>For 4" Or 6" WG (Class A), Add</i>	35.63	
		<i>For 10" WG (Class A), Add</i>	51.21	
		<i>For Work In Restricted Working Space, Add</i>	33.40	
23 31 13 13-0981	LF	28" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	161.03	68.88
		<i>For 3" WG (Class B), Add</i>	17.22	
		<i>For 4" Or 6" WG (Class A), Add</i>	36.74	
		<i>For 10" WG (Class A), Add</i>	52.81	
		<i>For Work In Restricted Working Space, Add</i>	34.44	
23 31 13 13-0982	LF	28" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	165.92	70.97
		<i>For 3" WG (Class B), Add</i>	17.74	
		<i>For 4" Or 6" WG (Class A), Add</i>	37.85	
		<i>For 10" WG (Class A), Add</i>	54.41	
		<i>For Work In Restricted Working Space, Add</i>	35.49	
23 31 13 13-0983	LF	28" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	170.79	73.06
		<i>For 3" WG (Class B), Add</i>	18.27	
		<i>For 4" Or 6" WG (Class A), Add</i>	38.97	
		<i>For 10" WG (Class A), Add</i>	56.01	
		<i>For Work In Restricted Working Space, Add</i>	36.53	
23 31 13 13-0984	LF	28" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	175.66	75.15
		<i>For 3" WG (Class B), Add</i>	18.79	
		<i>For 4" Or 6" WG (Class A), Add</i>	40.08	
		<i>For 10" WG (Class A), Add</i>	57.61	
		<i>For Work In Restricted Working Space, Add</i>	37.57	
23 31 13 13-0985	LF	28" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	180.57	77.23
		<i>For 3" WG (Class B), Add</i>	19.31	
		<i>For 4" Or 6" WG (Class A), Add</i>	41.19	
		<i>For 10" WG (Class A), Add</i>	59.22	
		<i>For Work In Restricted Working Space, Add</i>	38.62	
23 31 13 13-0986	LF	28" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	185.44	79.32
		<i>For 3" WG (Class B), Add</i>	19.83	
		<i>For 4" Or 6" WG (Class A), Add</i>	42.30	
		<i>For 10" WG (Class A), Add</i>	60.81	
		<i>For Work In Restricted Working Space, Add</i>	39.66	
23 31 13 13-0987	LF	30" x 30", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	146.39	62.62
		<i>For 3" WG (Class B), Add</i>	15.66	
		<i>For 4" Or 6" WG (Class A), Add</i>	33.40	
		<i>For 10" WG (Class A), Add</i>	48.01	
		<i>For Work In Restricted Working Space, Add</i>	31.31	
23 31 13 13-0988	LF	30" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	151.27	64.71
		<i>For 3" WG (Class B), Add</i>	16.18	
		<i>For 4" Or 6" WG (Class A), Add</i>	34.51	
		<i>For 10" WG (Class A), Add</i>	49.61	
		<i>For Work In Restricted Working Space, Add</i>	32.36	
23 31 13 13-0989	LF	30" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	156.17	66.80
		<i>For 3" WG (Class B), Add</i>	16.70	
		<i>For 4" Or 6" WG (Class A), Add</i>	35.63	
		<i>For 10" WG (Class A), Add</i>	51.21	
		<i>For Work In Restricted Working Space, Add</i>	33.40	
23 31 13 13-0990	LF	30" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	161.03	68.88
		<i>For 3" WG (Class B), Add</i>	17.22	
		<i>For 4" Or 6" WG (Class A), Add</i>	36.74	
		<i>For 10" WG (Class A), Add</i>	52.81	
		<i>For Work In Restricted Working Space, Add</i>	34.44	
23 31 13 13-0991	LF	30" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	165.92	70.97
		<i>For 3" WG (Class B), Add</i>	17.74	
		<i>For 4" Or 6" WG (Class A), Add</i>	37.85	
		<i>For 10" WG (Class A), Add</i>	54.41	
		<i>For Work In Restricted Working Space, Add</i>	35.49	



Heating, Ventilating, And Air-Conditioning (HVAC)	23
HVAC Air Distribution	23 30
HVAC Ducts And Casings	23 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0992 LF 30" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	170.79	73.06
For 3" WG (Class B), Add	18.27	
For 4" Or 6" WG (Class A), Add	38.97	
For 10" WG (Class A), Add	56.01	
For Work In Restricted Working Space, Add	36.53	
23 31 13 13-0993 LF 30" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	175.66	75.15
For 3" WG (Class B), Add	18.79	
For 4" Or 6" WG (Class A), Add	40.08	
For 10" WG (Class A), Add	57.61	
For Work In Restricted Working Space, Add	37.57	
23 31 13 13-0994 LF 30" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	180.57	77.23
For 3" WG (Class B), Add	19.31	
For 4" Or 6" WG (Class A), Add	41.19	
For 10" WG (Class A), Add	59.22	
For Work In Restricted Working Space, Add	38.62	
23 31 13 13-0995 LF 30" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	185.44	79.32
For 3" WG (Class B), Add	19.83	
For 4" Or 6" WG (Class A), Add	42.30	
For 10" WG (Class A), Add	60.81	
For Work In Restricted Working Space, Add	39.66	
23 31 13 13-0996 LF 30" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	190.31	81.41
For 3" WG (Class B), Add	20.35	
For 4" Or 6" WG (Class A), Add	43.42	
For 10" WG (Class A), Add	62.41	
For Work In Restricted Working Space, Add	40.70	
23 31 13 13-0997 LF 32" x 32", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	156.17	66.80
For 3" WG (Class B), Add	16.70	
For 4" Or 6" WG (Class A), Add	35.63	
For 10" WG (Class A), Add	51.21	
For Work In Restricted Working Space, Add	33.40	
23 31 13 13-0998 LF 32" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	161.03	68.88
For 3" WG (Class B), Add	17.22	
For 4" Or 6" WG (Class A), Add	36.74	
For 10" WG (Class A), Add	52.81	
For Work In Restricted Working Space, Add	34.44	
23 31 13 13-0999 LF 32" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	165.92	70.97
For 3" WG (Class B), Add	17.74	
For 4" Or 6" WG (Class A), Add	37.85	
For 10" WG (Class A), Add	54.41	
For Work In Restricted Working Space, Add	35.49	
23 31 13 13-1000 LF 32" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	170.79	73.06
For 3" WG (Class B), Add	18.27	
For 4" Or 6" WG (Class A), Add	38.97	
For 10" WG (Class A), Add	56.01	
For Work In Restricted Working Space, Add	36.53	
23 31 13 13-1001 LF 32" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	175.66	75.15
For 3" WG (Class B), Add	18.79	
For 4" Or 6" WG (Class A), Add	40.08	
For 10" WG (Class A), Add	57.61	
For Work In Restricted Working Space, Add	37.57	
23 31 13 13-1002 LF 32" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	180.57	77.23
For 3" WG (Class B), Add	19.31	
For 4" Or 6" WG (Class A), Add	41.19	
For 10" WG (Class A), Add	59.22	
For Work In Restricted Working Space, Add	38.62	
23 31 13 13-1003 LF 32" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	185.44	79.32
For 3" WG (Class B), Add	19.83	
For 4" Or 6" WG (Class A), Add	42.30	
For 10" WG (Class A), Add	60.81	
For Work In Restricted Working Space, Add	39.66	
23 31 13 13-1004 LF 32" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	190.31	81.41
For 3" WG (Class B), Add	20.35	
For 4" Or 6" WG (Class A), Add	43.42	
For 10" WG (Class A), Add	62.41	
For Work In Restricted Working Space, Add	40.70	
23 31 13 13-1005 LF 32" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	195.19	83.49
For 3" WG (Class B), Add	20.87	
For 4" Or 6" WG (Class A), Add	44.53	
For 10" WG (Class A), Add	64.01	
For Work In Restricted Working Space, Add	41.75	
23 31 13 13-1006 LF 34" x 34", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	165.92	70.97
For 3" WG (Class B), Add	17.74	
For 4" Or 6" WG (Class A), Add	37.85	
For 10" WG (Class A), Add	54.41	
For Work In Restricted Working Space, Add	35.49	
23 31 13 13-1007 LF 34" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	170.79	73.06
For 3" WG (Class B), Add	18.27	
For 4" Or 6" WG (Class A), Add	38.97	
For 10" WG (Class A), Add	56.01	
For Work In Restricted Working Space, Add	36.53	
23 31 13 13-1008 LF 34" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	175.66	75.15
For 3" WG (Class B), Add	18.79	
For 4" Or 6" WG (Class A), Add	40.08	
For 10" WG (Class A), Add	57.61	
For Work In Restricted Working Space, Add	37.57	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts And Casings



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1009	LF	34" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	180.57	77.23
		<i>For 3" WG (Class B), Add</i>	19.31	
		<i>For 4" Or 6" WG (Class A), Add</i>	41.19	
		<i>For 10" WG (Class A), Add</i>	59.22	
		<i>For Work In Restricted Working Space, Add</i>	38.62	
23 31 13 13-1010	LF	34" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	185.44	79.32
		<i>For 3" WG (Class B), Add</i>	19.83	
		<i>For 4" Or 6" WG (Class A), Add</i>	42.30	
		<i>For 10" WG (Class A), Add</i>	60.81	
		<i>For Work In Restricted Working Space, Add</i>	39.66	
23 31 13 13-1011	LF	34" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	190.31	81.41
		<i>For 3" WG (Class B), Add</i>	20.35	
		<i>For 4" Or 6" WG (Class A), Add</i>	43.42	
		<i>For 10" WG (Class A), Add</i>	62.41	
		<i>For Work In Restricted Working Space, Add</i>	40.70	
23 31 13 13-1012	LF	34" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	195.19	83.49
		<i>For 3" WG (Class B), Add</i>	20.87	
		<i>For 4" Or 6" WG (Class A), Add</i>	44.53	
		<i>For 10" WG (Class A), Add</i>	64.01	
		<i>For Work In Restricted Working Space, Add</i>	41.75	
23 31 13 13-1013	LF	34" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	200.07	85.59
		<i>For 3" WG (Class B), Add</i>	21.40	
		<i>For 4" Or 6" WG (Class A), Add</i>	45.64	
		<i>For 10" WG (Class A), Add</i>	65.61	
		<i>For Work In Restricted Working Space, Add</i>	42.79	
23 31 13 13-1014	LF	36" x 36", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	175.66	75.15
		<i>For 3" WG (Class B), Add</i>	18.79	
		<i>For 4" Or 6" WG (Class A), Add</i>	40.08	
		<i>For 10" WG (Class A), Add</i>	57.61	
		<i>For Work In Restricted Working Space, Add</i>	37.57	
23 31 13 13-1015	LF	36" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	180.57	77.23
		<i>For 3" WG (Class B), Add</i>	19.31	
		<i>For 4" Or 6" WG (Class A), Add</i>	41.19	
		<i>For 10" WG (Class A), Add</i>	59.22	
		<i>For Work In Restricted Working Space, Add</i>	38.62	
23 31 13 13-1016	LF	36" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	185.44	79.32
		<i>For 3" WG (Class B), Add</i>	19.83	
		<i>For 4" Or 6" WG (Class A), Add</i>	42.30	
		<i>For 10" WG (Class A), Add</i>	60.81	
		<i>For Work In Restricted Working Space, Add</i>	39.66	
23 31 13 13-1017	LF	36" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	190.31	81.41
		<i>For 3" WG (Class B), Add</i>	20.35	
		<i>For 4" Or 6" WG (Class A), Add</i>	43.42	
		<i>For 10" WG (Class A), Add</i>	62.41	
		<i>For Work In Restricted Working Space, Add</i>	40.70	
23 31 13 13-1018	LF	36" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	195.19	83.49
		<i>For 3" WG (Class B), Add</i>	20.87	
		<i>For 4" Or 6" WG (Class A), Add</i>	44.53	
		<i>For 10" WG (Class A), Add</i>	64.01	
		<i>For Work In Restricted Working Space, Add</i>	41.75	
23 31 13 13-1019	LF	36" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	200.07	85.59
		<i>For 3" WG (Class B), Add</i>	21.40	
		<i>For 4" Or 6" WG (Class A), Add</i>	45.64	
		<i>For 10" WG (Class A), Add</i>	65.61	
		<i>For Work In Restricted Working Space, Add</i>	42.79	
23 31 13 13-1020	LF	36" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	204.97	87.67
		<i>For 3" WG (Class B), Add</i>	21.92	
		<i>For 4" Or 6" WG (Class A), Add</i>	46.76	
		<i>For 10" WG (Class A), Add</i>	67.22	
		<i>For Work In Restricted Working Space, Add</i>	43.84	
23 31 13 13-1021	LF	38" x 38", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	185.44	79.32
		<i>For 3" WG (Class B), Add</i>	19.83	
		<i>For 4" Or 6" WG (Class A), Add</i>	42.30	
		<i>For 10" WG (Class A), Add</i>	60.81	
		<i>For Work In Restricted Working Space, Add</i>	39.66	
23 31 13 13-1022	LF	38" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	190.31	81.41
		<i>For 3" WG (Class B), Add</i>	20.35	
		<i>For 4" Or 6" WG (Class A), Add</i>	43.42	
		<i>For 10" WG (Class A), Add</i>	62.41	
		<i>For Work In Restricted Working Space, Add</i>	40.70	
23 31 13 13-1023	LF	38" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	195.19	83.49
		<i>For 3" WG (Class B), Add</i>	20.87	
		<i>For 4" Or 6" WG (Class A), Add</i>	44.53	
		<i>For 10" WG (Class A), Add</i>	64.01	
		<i>For Work In Restricted Working Space, Add</i>	41.75	
23 31 13 13-1024	LF	38" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	200.07	85.59
		<i>For 3" WG (Class B), Add</i>	21.40	
		<i>For 4" Or 6" WG (Class A), Add</i>	45.64	
		<i>For 10" WG (Class A), Add</i>	65.61	
		<i>For Work In Restricted Working Space, Add</i>	42.79	
23 31 13 13-1025	LF	38" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	204.97	87.67
		<i>For 3" WG (Class B), Add</i>	21.92	
		<i>For 4" Or 6" WG (Class A), Add</i>	46.76	
		<i>For 10" WG (Class A), Add</i>	67.22	
		<i>For Work In Restricted Working Space, Add</i>	43.84	



Heating, Ventilating, And Air-Conditioning (HVAC) 23

HVAC Air Distribution 23 30

HVAC Ducts And Casings 23 31

23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-1026	LF	38" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	209.84 22.44 47.87 68.82 44.88	89.76
23 31	13 13-1027	LF	38" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	214.72 22.96 48.99 70.42 45.92	91.85
23 31	13 13-1028	LF	40" x 40", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	195.19 20.87 44.53 64.01 41.75	83.49
23 31	13 13-1029	LF	40" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	200.07 21.40 45.64 65.61 42.79	85.59
23 31	13 13-1030	LF	40" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	204.97 21.92 46.76 67.22 43.84	87.67
23 31	13 13-1031	LF	40" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	209.84 22.44 47.87 68.82 44.88	89.76
23 31	13 13-1032	LF	40" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	214.72 22.96 48.99 70.42 45.92	91.85
23 31	13 13-1033	LF	40" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	219.59 23.48 50.10 72.02 46.97	93.93
23 31	13 13-1034	LF	40" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	224.47 24.01 51.21 73.62 48.01	96.02
23 31	13 13-1035	LF	40" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	229.36 24.53 52.32 75.21 49.05	98.11
23 31	13 13-1036	LF	40" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	234.24 25.05 53.44 76.82 50.10	100.20
23 31	13 13-1037	LF	42" x 42", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	204.97 21.92 46.76 67.22 43.84	87.67
23 31	13 13-1038	LF	42" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	209.84 22.44 47.87 68.82 44.88	89.76
23 31	13 13-1039	LF	42" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	214.72 22.96 48.99 70.42 45.92	91.85
23 31	13 13-1040	LF	42" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	219.59 23.48 50.10 72.02 46.97	93.93
23 31	13 13-1041	LF	42" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	224.47 24.01 51.21 73.62 48.01	96.02
23 31	13 13-1042	LF	42" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	229.36 24.53 52.32 75.21 49.05	98.11

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1043 LF 42" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	234.24	100.20
For 3" WG (Class B), Add	25.05	
For 4" Or 6" WG (Class A), Add	53.44	
For 10" WG (Class A), Add	76.82	
For Work In Restricted Working Space, Add	50.10	
23 31 13 13-1044 LF 42" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	239.11	102.28
For 3" WG (Class B), Add	25.57	
For 4" Or 6" WG (Class A), Add	54.55	
For 10" WG (Class A), Add	78.42	
For Work In Restricted Working Space, Add	51.14	
23 31 13 13-1045 LF 44" x 44", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	214.72	91.85
For 3" WG (Class B), Add	22.96	
For 4" Or 6" WG (Class A), Add	48.99	
For 10" WG (Class A), Add	70.42	
For Work In Restricted Working Space, Add	45.92	
23 31 13 13-1046 LF 44" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	219.59	93.93
For 3" WG (Class B), Add	23.48	
For 4" Or 6" WG (Class A), Add	50.10	
For 10" WG (Class A), Add	72.02	
For Work In Restricted Working Space, Add	46.97	
23 31 13 13-1047 LF 44" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	224.47	96.02
For 3" WG (Class B), Add	24.01	
For 4" Or 6" WG (Class A), Add	51.21	
For 10" WG (Class A), Add	73.62	
For Work In Restricted Working Space, Add	48.01	
23 31 13 13-1048 LF 44" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	229.36	98.11
For 3" WG (Class B), Add	24.53	
For 4" Or 6" WG (Class A), Add	52.32	
For 10" WG (Class A), Add	75.21	
For Work In Restricted Working Space, Add	49.05	
23 31 13 13-1049 LF 44" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	234.24	100.20
For 3" WG (Class B), Add	25.05	
For 4" Or 6" WG (Class A), Add	53.44	
For 10" WG (Class A), Add	76.82	
For Work In Restricted Working Space, Add	50.10	
23 31 13 13-1050 LF 44" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	239.11	102.28
For 3" WG (Class B), Add	25.57	
For 4" Or 6" WG (Class A), Add	54.55	
For 10" WG (Class A), Add	78.42	
For Work In Restricted Working Space, Add	51.14	
23 31 13 13-1051 LF 44" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	243.99	104.37
For 3" WG (Class B), Add	26.09	
For 4" Or 6" WG (Class A), Add	55.66	
For 10" WG (Class A), Add	80.02	
For Work In Restricted Working Space, Add	52.19	
23 31 13 13-1052 LF 46" x 46", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	224.47	96.02
For 3" WG (Class B), Add	24.01	
For 4" Or 6" WG (Class A), Add	51.21	
For 10" WG (Class A), Add	73.62	
For Work In Restricted Working Space, Add	48.01	
23 31 13 13-1053 LF 46" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	229.36	98.11
For 3" WG (Class B), Add	24.53	
For 4" Or 6" WG (Class A), Add	52.32	
For 10" WG (Class A), Add	75.21	
For Work In Restricted Working Space, Add	49.05	
23 31 13 13-1054 LF 46" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	234.24	100.20
For 3" WG (Class B), Add	25.05	
For 4" Or 6" WG (Class A), Add	53.44	
For 10" WG (Class A), Add	76.82	
For Work In Restricted Working Space, Add	50.10	
23 31 13 13-1055 LF 46" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	239.11	102.28
For 3" WG (Class B), Add	25.57	
For 4" Or 6" WG (Class A), Add	54.55	
For 10" WG (Class A), Add	78.42	
For Work In Restricted Working Space, Add	51.14	
23 31 13 13-1056 LF 46" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	243.99	104.37
For 3" WG (Class B), Add	26.09	
For 4" Or 6" WG (Class A), Add	55.66	
For 10" WG (Class A), Add	80.02	
For Work In Restricted Working Space, Add	52.19	
23 31 13 13-1057 LF 46" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	248.87	106.46
For 3" WG (Class B), Add	26.62	
For 4" Or 6" WG (Class A), Add	56.78	
For 10" WG (Class A), Add	81.62	
For Work In Restricted Working Space, Add	53.23	
23 31 13 13-1058 LF 46" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	253.76	108.54
For 3" WG (Class B), Add	27.14	
For 4" Or 6" WG (Class A), Add	57.89	
For 10" WG (Class A), Add	83.22	
For Work In Restricted Working Space, Add	54.27	
23 31 13 13-1059 LF 48" x 48", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	234.24	100.20
For 3" WG (Class B), Add	25.05	
For 4" Or 6" WG (Class A), Add	53.44	
For 10" WG (Class A), Add	76.82	
For Work In Restricted Working Space, Add	50.10	



Heating, Ventilating, And Air-Conditioning (HVAC)	23
HVAC Air Distribution	23 30
HVAC Ducts And Casings	23 31

23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13	13-1060	LF 48" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	239.11 25.57 54.55 78.42 51.14	102.28
23 31	13	13-1061	LF 48" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	243.99 26.09 55.66 80.02 52.19	104.37
23 31	13	13-1062	LF 48" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	248.87 26.62 56.78 81.62 53.23	106.46
23 31	13	13-1063	LF 48" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	253.76 27.14 57.89 83.22 54.27	108.54
23 31	13	13-1064	LF 48" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	258.64 27.66 59.00 84.82 55.32	110.64
23 31	13	13-1065	LF 48" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	263.51 28.18 60.12 86.42 56.36	112.72
23 31	13	13-1066	LF 50" x 50", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	243.99 26.09 55.66 80.02 52.19	104.37
23 31	13	13-1067	LF 50" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	248.87 26.62 56.78 81.62 53.23	106.46
23 31	13	13-1068	LF 50" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	253.76 27.14 57.89 83.22 54.27	108.54
23 31	13	13-1069	LF 50" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	258.64 27.66 59.00 84.82 55.32	110.64
23 31	13	13-1070	LF 50" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	263.51 28.18 60.12 86.42 56.36	112.72
23 31	13	13-1071	LF 50" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	268.39 28.70 61.23 88.02 57.41	114.80
23 31	13	13-1072	LF 52" x 52", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	253.76 27.14 57.89 83.22 54.27	108.54
23 31	13	13-1073	LF 52" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	258.64 27.66 59.00 84.82 55.32	110.64
23 31	13	13-1074	LF 52" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	263.51 28.18 60.12 86.42 56.36	112.72
23 31	13	13-1075	LF 52" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	268.39 28.70 61.23 88.02 57.41	114.80
23 31	13	13-1076	LF 52" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork..... <i>For 3" WG (Class B), Add</i> <i>For 4" Or 6" WG (Class A), Add</i> <i>For 10" WG (Class A), Add</i> <i>For Work In Restricted Working Space, Add</i>	273.26 29.22 62.34 89.62 58.45	116.90

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1077 LF 54" x 54", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	263.51	112.72
For 3" WG (Class B), Add	28.18	
For 4" Or 6" WG (Class A), Add	60.12	
For 10" WG (Class A), Add	86.42	
For Work In Restricted Working Space, Add	56.36	
23 31 13 13-1078 LF 54" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	268.39	114.80
For 3" WG (Class B), Add	28.70	
For 4" Or 6" WG (Class A), Add	61.23	
For 10" WG (Class A), Add	88.02	
For Work In Restricted Working Space, Add	57.41	
23 31 13 13-1079 LF 54" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	273.26	116.90
For 3" WG (Class B), Add	29.22	
For 4" Or 6" WG (Class A), Add	62.34	
For 10" WG (Class A), Add	89.62	
For Work In Restricted Working Space, Add	58.45	
23 31 13 13-1080 LF 54" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	278.16	118.98
For 3" WG (Class B), Add	29.75	
For 4" Or 6" WG (Class A), Add	63.46	
For 10" WG (Class A), Add	91.22	
For Work In Restricted Working Space, Add	59.49	
23 31 13 13-1081 LF 54" x 62", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	283.03	121.08
For 3" WG (Class B), Add	30.27	
For 4" Or 6" WG (Class A), Add	64.57	
For 10" WG (Class A), Add	92.82	
For Work In Restricted Working Space, Add	60.53	
23 31 13 13-1082 LF 54" x 64", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	287.91	123.16
For 3" WG (Class B), Add	30.79	
For 4" Or 6" WG (Class A), Add	65.68	
For 10" WG (Class A), Add	94.42	
For Work In Restricted Working Space, Add	61.58	
23 31 13 13-1083 LF 56" x 56", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	273.26	116.90
For 3" WG (Class B), Add	29.22	
For 4" Or 6" WG (Class A), Add	62.34	
For 10" WG (Class A), Add	89.62	
For Work In Restricted Working Space, Add	58.45	
23 31 13 13-1084 LF 56" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	278.16	118.98
For 3" WG (Class B), Add	29.75	
For 4" Or 6" WG (Class A), Add	63.46	
For 10" WG (Class A), Add	91.22	
For Work In Restricted Working Space, Add	59.49	
23 31 13 13-1085 LF 56" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	283.03	121.08
For 3" WG (Class B), Add	30.27	
For 4" Or 6" WG (Class A), Add	64.57	
For 10" WG (Class A), Add	92.82	
For Work In Restricted Working Space, Add	60.53	
23 31 13 13-1086 LF 56" x 62", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	287.91	123.16
For 3" WG (Class B), Add	30.79	
For 4" Or 6" WG (Class A), Add	65.68	
For 10" WG (Class A), Add	94.42	
For Work In Restricted Working Space, Add	61.58	
23 31 13 13-1087 LF 56" x 64", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	292.79	125.24
For 3" WG (Class B), Add	31.31	
For 4" Or 6" WG (Class A), Add	66.80	
For 10" WG (Class A), Add	96.03	
For Work In Restricted Working Space, Add	62.63	
23 31 13 13-1088 LF 58" x 58", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	283.03	121.08
For 3" WG (Class B), Add	30.27	
For 4" Or 6" WG (Class A), Add	64.57	
For 10" WG (Class A), Add	92.82	
For Work In Restricted Working Space, Add	60.53	
23 31 13 13-1089 LF 58" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	287.91	123.16
For 3" WG (Class B), Add	30.79	
For 4" Or 6" WG (Class A), Add	65.68	
For 10" WG (Class A), Add	94.42	
For Work In Restricted Working Space, Add	61.58	
23 31 13 13-1090 LF 58" x 62", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	292.79	125.24
For 3" WG (Class B), Add	31.31	
For 4" Or 6" WG (Class A), Add	66.80	
For 10" WG (Class A), Add	96.03	
For Work In Restricted Working Space, Add	62.63	
23 31 13 13-1091 LF 58" x 64", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	297.66	127.34
For 3" WG (Class B), Add	31.83	
For 4" Or 6" WG (Class A), Add	67.91	
For 10" WG (Class A), Add	97.62	
For Work In Restricted Working Space, Add	63.67	
23 31 13 13-1092 LF 58" x 66", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	302.56	129.42
For 3" WG (Class B), Add	32.36	
For 4" Or 6" WG (Class A), Add	69.02	
For 10" WG (Class A), Add	99.22	
For Work In Restricted Working Space, Add	64.71	
23 31 13 13-1093 LF 60" x 60", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	292.79	125.24
For 3" WG (Class B), Add	31.31	
For 4" Or 6" WG (Class A), Add	66.80	
For 10" WG (Class A), Add	96.03	
For Work In Restricted Working Space, Add	62.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1094 LF 60" x 62", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	297.66	127.34
<i>For 3" WG (Class B), Add</i>	31.83	
<i>For 4" Or 6" WG (Class A), Add</i>	67.91	
<i>For 10" WG (Class A), Add</i>	97.62	
<i>For Work In Restricted Working Space, Add</i>	63.67	
23 31 13 13-1095 LF 60" x 64", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	302.56	129.42
<i>For 3" WG (Class B), Add</i>	32.36	
<i>For 4" Or 6" WG (Class A), Add</i>	69.02	
<i>For 10" WG (Class A), Add</i>	99.22	
<i>For Work In Restricted Working Space, Add</i>	64.71	
23 31 13 13-1096 LF 60" x 66", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	307.43	131.51
<i>For 3" WG (Class B), Add</i>	32.88	
<i>For 4" Or 6" WG (Class A), Add</i>	70.14	
<i>For 10" WG (Class A), Add</i>	100.82	
<i>For Work In Restricted Working Space, Add</i>	65.75	
23 31 13 13-1097 LF 60" x 68", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	312.31	133.60
<i>For 3" WG (Class B), Add</i>	33.40	
<i>For 4" Or 6" WG (Class A), Add</i>	71.25	
<i>For 10" WG (Class A), Add</i>	102.42	
<i>For Work In Restricted Working Space, Add</i>	66.80	
23 31 13 13-1098 LF 62" x 62", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	302.56	129.42
<i>For 3" WG (Class B), Add</i>	32.36	
<i>For 4" Or 6" WG (Class A), Add</i>	69.02	
<i>For 10" WG (Class A), Add</i>	99.22	
<i>For Work In Restricted Working Space, Add</i>	64.71	
23 31 13 13-1099 LF 62" x 64", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	307.43	131.51
<i>For 3" WG (Class B), Add</i>	32.88	
<i>For 4" Or 6" WG (Class A), Add</i>	70.14	
<i>For 10" WG (Class A), Add</i>	100.82	
<i>For Work In Restricted Working Space, Add</i>	65.75	
23 31 13 13-1100 LF 62" x 66", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	312.31	133.60
<i>For 3" WG (Class B), Add</i>	33.40	
<i>For 4" Or 6" WG (Class A), Add</i>	71.25	
<i>For 10" WG (Class A), Add</i>	102.42	
<i>For Work In Restricted Working Space, Add</i>	66.80	
23 31 13 13-1101 LF 62" x 68", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	317.18	135.68
<i>For 3" WG (Class B), Add</i>	33.92	
<i>For 4" Or 6" WG (Class A), Add</i>	72.36	
<i>For 10" WG (Class A), Add</i>	104.02	
<i>For Work In Restricted Working Space, Add</i>	67.84	
23 31 13 13-1102 LF 62" x 70", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	322.06	137.77
<i>For 3" WG (Class B), Add</i>	34.44	
<i>For 4" Or 6" WG (Class A), Add</i>	73.48	
<i>For 10" WG (Class A), Add</i>	105.63	
<i>For Work In Restricted Working Space, Add</i>	68.89	
23 31 13 13-1103 LF 64" x 64", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	312.31	133.60
<i>For 3" WG (Class B), Add</i>	33.40	
<i>For 4" Or 6" WG (Class A), Add</i>	71.25	
<i>For 10" WG (Class A), Add</i>	102.42	
<i>For Work In Restricted Working Space, Add</i>	66.80	
23 31 13 13-1104 LF 64" x 66", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	317.18	135.68
<i>For 3" WG (Class B), Add</i>	33.92	
<i>For 4" Or 6" WG (Class A), Add</i>	72.36	
<i>For 10" WG (Class A), Add</i>	104.02	
<i>For Work In Restricted Working Space, Add</i>	67.84	
23 31 13 13-1105 LF 64" x 68", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	322.06	137.77
<i>For 3" WG (Class B), Add</i>	34.44	
<i>For 4" Or 6" WG (Class A), Add</i>	73.48	
<i>For 10" WG (Class A), Add</i>	105.63	
<i>For Work In Restricted Working Space, Add</i>	68.89	
23 31 13 13-1106 LF 64" x 70", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	326.96	139.86
<i>For 3" WG (Class B), Add</i>	34.97	
<i>For 4" Or 6" WG (Class A), Add</i>	74.59	
<i>For 10" WG (Class A), Add</i>	107.23	
<i>For Work In Restricted Working Space, Add</i>	69.93	
23 31 13 13-1107 LF 66" x 66", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	322.06	137.77
<i>For 3" WG (Class B), Add</i>	34.44	
<i>For 4" Or 6" WG (Class A), Add</i>	73.48	
<i>For 10" WG (Class A), Add</i>	105.63	
<i>For Work In Restricted Working Space, Add</i>	68.89	
23 31 13 13-1108 LF 66" x 68", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	326.96	139.86
<i>For 3" WG (Class B), Add</i>	34.97	
<i>For 4" Or 6" WG (Class A), Add</i>	74.59	
<i>For 10" WG (Class A), Add</i>	107.23	
<i>For Work In Restricted Working Space, Add</i>	69.93	
23 31 13 13-1109 LF 66" x 70", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	331.83	141.95
<i>For 3" WG (Class B), Add</i>	35.49	
<i>For 4" Or 6" WG (Class A), Add</i>	75.70	
<i>For 10" WG (Class A), Add</i>	108.82	
<i>For Work In Restricted Working Space, Add</i>	70.97	
23 31 13 13-1110 LF 66" x 72", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	336.71	144.03
<i>For 3" WG (Class B), Add</i>	36.01	
<i>For 4" Or 6" WG (Class A), Add</i>	76.82	
<i>For 10" WG (Class A), Add</i>	110.43	
<i>For Work In Restricted Working Space, Add</i>	72.02	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts And Casings



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1111	LF	68" x 68", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	331.83	141.95
		<i>For 3" WG (Class B), Add</i>	35.49	
		<i>For 4" Or 6" WG (Class A), Add</i>	75.70	
		<i>For 10" WG (Class A), Add</i>	108.82	
		<i>For Work In Restricted Working Space, Add</i>	70.97	
23 31 13 13-1112	LF	68" x 70", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	336.71	144.03
		<i>For 3" WG (Class B), Add</i>	36.01	
		<i>For 4" Or 6" WG (Class A), Add</i>	76.82	
		<i>For 10" WG (Class A), Add</i>	110.43	
		<i>For Work In Restricted Working Space, Add</i>	72.02	
23 31 13 13-1113	LF	68" x 72", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	341.58	146.13
		<i>For 3" WG (Class B), Add</i>	36.53	
		<i>For 4" Or 6" WG (Class A), Add</i>	77.93	
		<i>For 10" WG (Class A), Add</i>	112.02	
		<i>For Work In Restricted Working Space, Add</i>	73.06	
23 31 13 13-1114	LF	68" x 74", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	346.47	148.21
		<i>For 3" WG (Class B), Add</i>	37.05	
		<i>For 4" Or 6" WG (Class A), Add</i>	79.05	
		<i>For 10" WG (Class A), Add</i>	113.63	
		<i>For Work In Restricted Working Space, Add</i>	74.11	
23 31 13 13-1115	LF	70" x 70", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	341.58	146.13
		<i>For 3" WG (Class B), Add</i>	36.53	
		<i>For 4" Or 6" WG (Class A), Add</i>	77.93	
		<i>For 10" WG (Class A), Add</i>	112.02	
		<i>For Work In Restricted Working Space, Add</i>	73.06	
23 31 13 13-1116	LF	70" x 72", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	346.47	148.21
		<i>For 3" WG (Class B), Add</i>	37.05	
		<i>For 4" Or 6" WG (Class A), Add</i>	79.05	
		<i>For 10" WG (Class A), Add</i>	113.63	
		<i>For Work In Restricted Working Space, Add</i>	74.11	
23 31 13 13-1117	LF	70" x 74", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	351.35	150.29
		<i>For 3" WG (Class B), Add</i>	37.57	
		<i>For 4" Or 6" WG (Class A), Add</i>	80.16	
		<i>For 10" WG (Class A), Add</i>	115.23	
		<i>For Work In Restricted Working Space, Add</i>	75.15	
23 31 13 13-1118	LF	70" x 76", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	356.23	152.39
		<i>For 3" WG (Class B), Add</i>	38.10	
		<i>For 4" Or 6" WG (Class A), Add</i>	81.27	
		<i>For 10" WG (Class A), Add</i>	116.83	
		<i>For Work In Restricted Working Space, Add</i>	76.19	
23 31 13 13-1119	LF	70" x 78", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	361.11	154.47
		<i>For 3" WG (Class B), Add</i>	38.62	
		<i>For 4" Or 6" WG (Class A), Add</i>	82.38	
		<i>For 10" WG (Class A), Add</i>	118.43	
		<i>For Work In Restricted Working Space, Add</i>	77.24	
23 31 13 13-1120	LF	70" x 80", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	365.98	156.56
		<i>For 3" WG (Class B), Add</i>	39.14	
		<i>For 4" Or 6" WG (Class A), Add</i>	83.50	
		<i>For 10" WG (Class A), Add</i>	120.03	
		<i>For Work In Restricted Working Space, Add</i>	78.28	
23 31 13 13-1121	LF	70" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	370.86	158.65
		<i>For 3" WG (Class B), Add</i>	39.66	
		<i>For 4" Or 6" WG (Class A), Add</i>	84.61	
		<i>For 10" WG (Class A), Add</i>	121.63	
		<i>For Work In Restricted Working Space, Add</i>	79.32	
23 31 13 13-1122	LF	70" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	375.76	160.73
		<i>For 3" WG (Class B), Add</i>	40.18	
		<i>For 4" Or 6" WG (Class A), Add</i>	85.72	
		<i>For 10" WG (Class A), Add</i>	123.23	
		<i>For Work In Restricted Working Space, Add</i>	80.37	
23 31 13 13-1123	LF	70" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	380.63	162.82
		<i>For 3" WG (Class B), Add</i>	40.71	
		<i>For 4" Or 6" WG (Class A), Add</i>	86.84	
		<i>For 10" WG (Class A), Add</i>	124.83	
		<i>For Work In Restricted Working Space, Add</i>	81.41	
23 31 13 13-1124	LF	72" x 72", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	351.35	150.29
		<i>For 3" WG (Class B), Add</i>	37.57	
		<i>For 4" Or 6" WG (Class A), Add</i>	80.16	
		<i>For 10" WG (Class A), Add</i>	115.23	
		<i>For Work In Restricted Working Space, Add</i>	75.15	
23 31 13 13-1125	LF	72" x 74", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	356.23	152.39
		<i>For 3" WG (Class B), Add</i>	38.10	
		<i>For 4" Or 6" WG (Class A), Add</i>	81.27	
		<i>For 10" WG (Class A), Add</i>	116.83	
		<i>For Work In Restricted Working Space, Add</i>	76.19	
23 31 13 13-1126	LF	72" x 76", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	361.11	154.47
		<i>For 3" WG (Class B), Add</i>	38.62	
		<i>For 4" Or 6" WG (Class A), Add</i>	82.38	
		<i>For 10" WG (Class A), Add</i>	118.43	
		<i>For Work In Restricted Working Space, Add</i>	77.24	
23 31 13 13-1127	LF	72" x 78", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	365.98	156.56
		<i>For 3" WG (Class B), Add</i>	39.14	
		<i>For 4" Or 6" WG (Class A), Add</i>	83.50	
		<i>For 10" WG (Class A), Add</i>	120.03	
		<i>For Work In Restricted Working Space, Add</i>	78.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1128 LF 72" x 80", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	370.86	158.65
<i>For 3" WG (Class B), Add</i>	39.66	
<i>For 4" Or 6" WG (Class A), Add</i>	84.61	
<i>For 10" WG (Class A), Add</i>	121.63	
<i>For Work In Restricted Working Space, Add</i>	79.32	
23 31 13 13-1129 LF 72" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	375.76	160.73
<i>For 3" WG (Class B), Add</i>	40.18	
<i>For 4" Or 6" WG (Class A), Add</i>	85.72	
<i>For 10" WG (Class A), Add</i>	123.23	
<i>For Work In Restricted Working Space, Add</i>	80.37	
23 31 13 13-1130 LF 72" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	380.63	162.82
<i>For 3" WG (Class B), Add</i>	40.71	
<i>For 4" Or 6" WG (Class A), Add</i>	86.84	
<i>For 10" WG (Class A), Add</i>	124.83	
<i>For Work In Restricted Working Space, Add</i>	81.41	
23 31 13 13-1131 LF 72" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	385.50	164.91
<i>For 3" WG (Class B), Add</i>	41.23	
<i>For 4" Or 6" WG (Class A), Add</i>	87.95	
<i>For 10" WG (Class A), Add</i>	126.43	
<i>For Work In Restricted Working Space, Add</i>	82.45	
23 31 13 13-1132 LF 74" x 74", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	361.11	154.47
<i>For 3" WG (Class B), Add</i>	38.62	
<i>For 4" Or 6" WG (Class A), Add</i>	82.38	
<i>For 10" WG (Class A), Add</i>	118.43	
<i>For Work In Restricted Working Space, Add</i>	77.24	
23 31 13 13-1133 LF 74" x 76", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	365.98	156.56
<i>For 3" WG (Class B), Add</i>	39.14	
<i>For 4" Or 6" WG (Class A), Add</i>	83.50	
<i>For 10" WG (Class A), Add</i>	120.03	
<i>For Work In Restricted Working Space, Add</i>	78.28	
23 31 13 13-1134 LF 74" x 78", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	370.86	158.65
<i>For 3" WG (Class B), Add</i>	39.66	
<i>For 4" Or 6" WG (Class A), Add</i>	84.61	
<i>For 10" WG (Class A), Add</i>	121.63	
<i>For Work In Restricted Working Space, Add</i>	79.32	
23 31 13 13-1135 LF 74" x 80", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	375.76	160.73
<i>For 3" WG (Class B), Add</i>	40.18	
<i>For 4" Or 6" WG (Class A), Add</i>	85.72	
<i>For 10" WG (Class A), Add</i>	123.23	
<i>For Work In Restricted Working Space, Add</i>	80.37	
23 31 13 13-1136 LF 74" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	380.63	162.82
<i>For 3" WG (Class B), Add</i>	40.71	
<i>For 4" Or 6" WG (Class A), Add</i>	86.84	
<i>For 10" WG (Class A), Add</i>	124.83	
<i>For Work In Restricted Working Space, Add</i>	81.41	
23 31 13 13-1137 LF 74" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	385.50	164.91
<i>For 3" WG (Class B), Add</i>	41.23	
<i>For 4" Or 6" WG (Class A), Add</i>	87.95	
<i>For 10" WG (Class A), Add</i>	126.43	
<i>For Work In Restricted Working Space, Add</i>	82.45	
23 31 13 13-1138 LF 74" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	390.39	167.00
<i>For 3" WG (Class B), Add</i>	41.75	
<i>For 4" Or 6" WG (Class A), Add</i>	89.07	
<i>For 10" WG (Class A), Add</i>	128.03	
<i>For Work In Restricted Working Space, Add</i>	83.50	
23 31 13 13-1139 LF 76" x 76", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	370.86	158.65
<i>For 3" WG (Class B), Add</i>	39.66	
<i>For 4" Or 6" WG (Class A), Add</i>	84.61	
<i>For 10" WG (Class A), Add</i>	121.63	
<i>For Work In Restricted Working Space, Add</i>	79.32	
23 31 13 13-1140 LF 76" x 78", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	375.76	160.73
<i>For 3" WG (Class B), Add</i>	40.18	
<i>For 4" Or 6" WG (Class A), Add</i>	85.72	
<i>For 10" WG (Class A), Add</i>	123.23	
<i>For Work In Restricted Working Space, Add</i>	80.37	
23 31 13 13-1141 LF 76" x 80", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	380.63	162.82
<i>For 3" WG (Class B), Add</i>	40.71	
<i>For 4" Or 6" WG (Class A), Add</i>	86.84	
<i>For 10" WG (Class A), Add</i>	124.83	
<i>For Work In Restricted Working Space, Add</i>	81.41	
23 31 13 13-1142 LF 76" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	385.50	164.91
<i>For 3" WG (Class B), Add</i>	41.23	
<i>For 4" Or 6" WG (Class A), Add</i>	87.95	
<i>For 10" WG (Class A), Add</i>	126.43	
<i>For Work In Restricted Working Space, Add</i>	82.45	
23 31 13 13-1143 LF 76" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	390.39	167.00
<i>For 3" WG (Class B), Add</i>	41.75	
<i>For 4" Or 6" WG (Class A), Add</i>	89.07	
<i>For 10" WG (Class A), Add</i>	128.03	
<i>For Work In Restricted Working Space, Add</i>	83.50	
23 31 13 13-1144 LF 76" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	395.25	169.08
<i>For 3" WG (Class B), Add</i>	42.27	
<i>For 4" Or 6" WG (Class A), Add</i>	90.18	
<i>For 10" WG (Class A), Add</i>	129.63	
<i>For Work In Restricted Working Space, Add</i>	84.54	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1145	LF	78" x 78", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	380.63	162.82
		For 3" WG (Class B), Add	40.71	
		For 4" Or 6" WG (Class A), Add	86.84	
		For 10" WG (Class A), Add	124.83	
		For Work In Restricted Working Space, Add	81.41	
23 31 13 13-1146	LF	78" x 80", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	385.50	164.91
		For 3" WG (Class B), Add	41.23	
		For 4" Or 6" WG (Class A), Add	87.95	
		For 10" WG (Class A), Add	126.43	
		For Work In Restricted Working Space, Add	82.45	
23 31 13 13-1147	LF	78" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	390.39	167.00
		For 3" WG (Class B), Add	41.75	
		For 4" Or 6" WG (Class A), Add	89.07	
		For 10" WG (Class A), Add	128.03	
		For Work In Restricted Working Space, Add	83.50	
23 31 13 13-1148	LF	78" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	395.25	169.08
		For 3" WG (Class B), Add	42.27	
		For 4" Or 6" WG (Class A), Add	90.18	
		For 10" WG (Class A), Add	129.63	
		For Work In Restricted Working Space, Add	84.54	
23 31 13 13-1149	LF	78" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	400.15	171.17
		For 3" WG (Class B), Add	42.79	
		For 4" Or 6" WG (Class A), Add	91.29	
		For 10" WG (Class A), Add	131.23	
		For Work In Restricted Working Space, Add	85.58	
23 31 13 13-1150	LF	80" x 80", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	390.39	167.00
		For 3" WG (Class B), Add	41.75	
		For 4" Or 6" WG (Class A), Add	89.07	
		For 10" WG (Class A), Add	128.03	
		For Work In Restricted Working Space, Add	83.50	
23 31 13 13-1151	LF	80" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	395.25	169.08
		For 3" WG (Class B), Add	42.27	
		For 4" Or 6" WG (Class A), Add	90.18	
		For 10" WG (Class A), Add	129.63	
		For Work In Restricted Working Space, Add	84.54	
23 31 13 13-1152	LF	80" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	400.15	171.17
		For 3" WG (Class B), Add	42.79	
		For 4" Or 6" WG (Class A), Add	91.29	
		For 10" WG (Class A), Add	131.23	
		For Work In Restricted Working Space, Add	85.58	
23 31 13 13-1153	LF	80" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	405.04	173.26
		For 3" WG (Class B), Add	43.32	
		For 4" Or 6" WG (Class A), Add	92.41	
		For 10" WG (Class A), Add	132.83	
		For Work In Restricted Working Space, Add	86.63	
23 31 13 13-1154	LF	82" x 82", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	400.15	171.17
		For 3" WG (Class B), Add	42.79	
		For 4" Or 6" WG (Class A), Add	91.29	
		For 10" WG (Class A), Add	131.23	
		For Work In Restricted Working Space, Add	85.58	
23 31 13 13-1155	LF	82" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	405.04	173.26
		For 3" WG (Class B), Add	43.32	
		For 4" Or 6" WG (Class A), Add	92.41	
		For 10" WG (Class A), Add	132.83	
		For Work In Restricted Working Space, Add	86.63	
23 31 13 13-1156	LF	82" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	409.90	175.34
		For 3" WG (Class B), Add	43.84	
		For 4" Or 6" WG (Class A), Add	93.52	
		For 10" WG (Class A), Add	134.43	
		For Work In Restricted Working Space, Add	87.67	
23 31 13 13-1157	LF	84" x 84", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	409.90	175.34
		For 3" WG (Class B), Add	43.84	
		For 4" Or 6" WG (Class A), Add	93.52	
		For 10" WG (Class A), Add	134.43	
		For Work In Restricted Working Space, Add	87.67	
23 31 13 13-1158	LF	84" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	414.78	177.44
		For 3" WG (Class B), Add	44.36	
		For 4" Or 6" WG (Class A), Add	94.63	
		For 10" WG (Class A), Add	136.03	
		For Work In Restricted Working Space, Add	88.72	
23 31 13 13-1159	LF	86" x 86", Up To 2" WG (Class C), 18 Gauge Galvanized Steel Sheet Metal Ductwork.....	419.66	179.52
		For 3" WG (Class B), Add	44.88	
		For 4" Or 6" WG (Class A), Add	95.74	
		For 10" WG (Class A), Add	137.63	
		For Work In Restricted Working Space, Add	89.76	
23 31 13 13-1160		Rework Sheet Metal Ductwork <small>(23 31 13 13)</small>		
		Note: Includes removal of existing ductwork and installation of ductwork. Excludes new ductwork.		
23 31 13 13-1161	LF	Up To 1 SF Cross Section, Rework Existing Ductwork.....	26.41	
23 31 13 13-1162	LF	>1 To 2 SF Cross Section, Rework Existing Ductwork.....	51.49	
23 31 13 13-1163	LF	>2 To 4 SF Cross Section, Rework Existing Ductwork.....	68.04	
23 31 13 13-1164	LF	>4 To 6 SF Cross Section, Rework Existing Ductwork.....	85.20	
23 31 13 13-1165	LF	>6 To 8 SF Cross Section, Rework Existing Ductwork.....	118.82	
23 31 13 13-1166	LF	>8 To 10 SF Cross Section, Rework Existing Ductwork.....	138.63	
23 31 13 13-1167	LF	>10 To 12 SF Cross Section, Rework Existing Ductwork.....	158.44	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 31 13 13-1168 LF >12 To 14 SF Cross Section, Rework Existing Ductwork 178.23

23 31 13 16 Round And Flat-Oval Spiral Ducts (23 31 13)

23 31 13 16-0001 Low Pressure Round And Flat-Oval Duct (23 31 13 16)

Note: 7" diameter round = 4" x 11.85" flat oval. 8" diameter round = 4" x 15" flat oval. 10" diameter round = 4" x 25.99" or 6" x 15.42" or 8" x 11.14" flat oval. 12" diameter round = 6" x 23.28" or 8" x 15.85" flat oval. 14" diameter round = 6" x 32.70" or 8" x 22.14" or 10" x 17.85 or 12" x 15.14" flat oval. 16" diameter round = 6" x 43.70" or 8" x 29.99" or 10" x 24.14" or 12" x 19.85" or 14" x 17.14" flat oval. 18" diameter round = 6" x 59.41" or 8" x 39.42" or 10" x 30.42" or 12" x 24.57" or 14" x 21.85" or 16" x 19.14" flat oval. 20" diameter round = 8" x 51.98" or 10" x 38.27" or 12" x 30.85" or 14" x 26.57" or 16" x 23.85" or 18" x 21.14" flat oval.

23 31 13 16-0002 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Ducts (23 31 13 16-0001)

Note: Includes straps and supports.

23 31 13 16-0003	LF	4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct		5.40	2.27
		For 3" WG (Class B), Add		0.70	
		For 4" Or 6" WG (Class A), Add		1.86	
		For 28 Gauge, Deduct		-0.10	
		For 24 Gauge, Add		0.10	
		For 22 Gauge, Add		0.21	
		For 20 Gauge, Add		0.31	
		For 18 Gauge, Add		0.41	
		For 16 Gauge, Add		0.51	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add		0.56	
		For Work In Restricted Working Space, Add		1.40	
		For Elevated Installation >10' To 15', Add		0.47	
		For Elevated Installation >15' To 20', Add		0.93	
		For Elevated Installation >20' To 25', Add		1.16	
		For Elevated Installation >25' To 30', Add		1.63	
		For Elevated Installation >30' To 35', Add		1.86	
		For Elevated Installation >35' To 40', Add		2.33	
		For Elevated Installation >40', Add		2.56	
23 31 13 16-0004	LF	5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct		6.12	2.58
		For 3" WG (Class B), Add		0.77	
		For 4" Or 6" WG (Class A), Add		2.06	
		For 28 Gauge, Deduct		-0.13	
		For 24 Gauge, Add		0.13	
		For 22 Gauge, Add		0.26	
		For 20 Gauge, Add		0.40	
		For 18 Gauge, Add		0.53	
		For 16 Gauge, Add		0.65	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add		0.71	
		For Work In Restricted Working Space, Add		1.55	
		For Elevated Installation >10' To 15', Add		0.52	
		For Elevated Installation >15' To 20', Add		1.03	
		For Elevated Installation >20' To 25', Add		1.29	
		For Elevated Installation >25' To 30', Add		1.81	
		For Elevated Installation >30' To 35', Add		2.06	
		For Elevated Installation >35' To 40', Add		2.58	
		For Elevated Installation >40', Add		2.84	
23 31 13 16-0005	LF	6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct		6.89	3.10
		For 3" WG (Class B), Add		0.87	
		For 4" Or 6" WG (Class A), Add		2.32	
		For 28 Gauge, Deduct		-0.15	
		For 24 Gauge, Add		0.15	
		For 22 Gauge, Add		0.30	
		For 20 Gauge, Add		0.45	
		For 18 Gauge, Add		0.60	
		For 16 Gauge, Add		0.74	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add		0.81	
		For Work In Restricted Working Space, Add		1.74	
		For Elevated Installation >10' To 15', Add		0.58	
		For Elevated Installation >15' To 20', Add		1.16	
		For Elevated Installation >20' To 25', Add		1.45	
		For Elevated Installation >25' To 30', Add		2.03	
		For Elevated Installation >30' To 35', Add		2.32	
		For Elevated Installation >35' To 40', Add		2.90	
		For Elevated Installation >40', Add		3.19	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts And Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0006	LF		7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	7.93	3.61
			For 3" WG (Class B), Add	1.00	
			For 4" Or 6" WG (Class A), Add	2.66	
			For 28 Gauge, Deduct	-0.18	
			For 24 Gauge, Add	0.18	
			For 22 Gauge, Add	0.36	
			For 20 Gauge, Add	0.53	
			For 18 Gauge, Add	0.71	
			For 16 Gauge, Add	0.87	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	0.95	
			For Work In Restricted Working Space, Add	1.99	
			For Elevated Installation >10' To 15', Add	0.66	
			For Elevated Installation >15' To 20', Add	1.33	
			For Elevated Installation >20' To 25', Add	1.66	
			For Elevated Installation >25' To 30', Add	2.32	
			For Elevated Installation >30' To 35', Add	2.66	
			For Elevated Installation >35' To 40', Add	3.32	
			For Elevated Installation >40', Add	3.65	
23 31 13 16-0007	LF		8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	9.18	4.13
			For 3" WG (Class B), Add	1.16	
			For 4" Or 6" WG (Class A), Add	3.10	
			For 28 Gauge, Deduct	-0.20	
			For 24 Gauge, Add	0.20	
			For 22 Gauge, Add	0.40	
			For 20 Gauge, Add	0.60	
			For 18 Gauge, Add	0.79	
			For 16 Gauge, Add	0.97	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.07	
			For Work In Restricted Working Space, Add	2.32	
			For Elevated Installation >10' To 15', Add	0.77	
			For Elevated Installation >15' To 20', Add	1.55	
			For Elevated Installation >20' To 25', Add	1.94	
			For Elevated Installation >25' To 30', Add	2.71	
			For Elevated Installation >30' To 35', Add	3.10	
			For Elevated Installation >35' To 40', Add	3.87	
			For Elevated Installation >40', Add	4.26	
23 31 13 16-0008	LF		10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	11.06	5.16
			For 3" WG (Class B), Add	1.39	
			For 4" Or 6" WG (Class A), Add	3.72	
			For 28 Gauge, Deduct	-0.25	
			For 24 Gauge, Add	0.24	
			For 22 Gauge, Add	0.49	
			For 20 Gauge, Add	0.73	
			For 18 Gauge, Add	0.97	
			For 16 Gauge, Add	1.19	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.31	
			For Work In Restricted Working Space, Add	2.79	
			For Elevated Installation >10' To 15', Add	0.93	
			For Elevated Installation >15' To 20', Add	1.86	
			For Elevated Installation >20' To 25', Add	2.32	
			For Elevated Installation >25' To 30', Add	3.25	
			For Elevated Installation >30' To 35', Add	3.72	
			For Elevated Installation >35' To 40', Add	4.65	
			For Elevated Installation >40', Add	5.11	
23 31 13 16-0009	LF		12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	13.79	6.92
			For 3" WG (Class B), Add	1.74	
			For 4" Or 6" WG (Class A), Add	4.64	
			For 28 Gauge, Deduct	-0.30	
			For 24 Gauge, Add	0.30	
			For 22 Gauge, Add	0.60	
			For 20 Gauge, Add	0.90	
			For 18 Gauge, Add	1.20	
			For 16 Gauge, Add	1.47	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.61	
			For Work In Restricted Working Space, Add	3.48	
			For Elevated Installation >10' To 15', Add	1.16	
			For Elevated Installation >15' To 20', Add	2.32	
			For Elevated Installation >20' To 25', Add	2.90	
			For Elevated Installation >25' To 30', Add	4.06	
			For Elevated Installation >30' To 35', Add	4.64	
			For Elevated Installation >35' To 40', Add	5.81	
			For Elevated Installation >40', Add	6.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0010 LF 14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct	17.04	10.32
For 3" WG (Class B), Add	2.18	
For 4" Or 6" WG (Class A), Add	5.80	
For 28 Gauge, Deduct	-0.35	
For 24 Gauge, Add	0.35	
For 22 Gauge, Add	0.70	
For 20 Gauge, Add	1.05	
For 18 Gauge, Add	1.39	
For 16 Gauge, Add	1.71	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.87	
For Work In Restricted Working Space, Add	4.35	
For Elevated Installation >10' To 15', Add	1.45	
For Elevated Installation >15' To 20', Add	2.90	
For Elevated Installation >20' To 25', Add	3.63	
For Elevated Installation >25' To 30', Add	5.08	
For Elevated Installation >30' To 35', Add	5.80	
For Elevated Installation >35' To 40', Add	7.26	
For Elevated Installation >40', Add	7.98	
23 31 13 16-0011 LF 16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct	23.10	13.83
For 3" WG (Class B), Add	2.90	
For 4" Or 6" WG (Class A), Add	7.74	
For 28 Gauge, Deduct	-0.52	
For 24 Gauge, Add	0.52	
For 22 Gauge, Add	1.03	
For 20 Gauge, Add	1.55	
For 18 Gauge, Add	2.06	
For 16 Gauge, Add	2.53	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.78	
For Work In Restricted Working Space, Add	5.81	
For Elevated Installation >10' To 15', Add	1.94	
For Elevated Installation >15' To 20', Add	3.87	
For Elevated Installation >20' To 25', Add	4.84	
For Elevated Installation >25' To 30', Add	6.77	
For Elevated Installation >30' To 35', Add	7.74	
For Elevated Installation >35' To 40', Add	9.68	
For Elevated Installation >40', Add	10.64	
23 31 13 16-0012 LF 18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct	27.39	16.61
For 28 Gauge, Deduct	-0.58	
For 24 Gauge, Add	0.58	
For 22 Gauge, Add	1.15	
For 20 Gauge, Add	1.73	
For 18 Gauge, Add	2.29	
For 16 Gauge, Add	2.81	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.09	
For Work In Restricted Working Space, Add	6.97	
For Elevated Installation >10' To 15', Add	2.32	
For Elevated Installation >15' To 20', Add	4.64	
For Elevated Installation >20' To 25', Add	5.81	
For Elevated Installation >25' To 30', Add	8.13	
For Elevated Installation >30' To 35', Add	9.29	
For Elevated Installation >35' To 40', Add	11.61	
For Elevated Installation >40', Add	12.77	
23 31 13 16-0013 LF 20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct	31.48	19.20
For 28 Gauge, Deduct	-0.64	
For 24 Gauge, Add	0.64	
For 22 Gauge, Add	1.28	
For 20 Gauge, Add	1.93	
For 18 Gauge, Add	2.56	
For 16 Gauge, Add	3.14	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.44	
For Work In Restricted Working Space, Add	8.05	
For Elevated Installation >10' To 15', Add	2.68	
For Elevated Installation >15' To 20', Add	5.37	
For Elevated Installation >20' To 25', Add	6.71	
For Elevated Installation >25' To 30', Add	9.39	
For Elevated Installation >30' To 35', Add	10.73	
For Elevated Installation >35' To 40', Add	13.42	
For Elevated Installation >40', Add	14.76	

23 31 13 16-0014 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbows (23 31 13 16-0001)
 Note: Up to 90 degree.

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0015	EA		4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable		
			Elbow.....	31.08	13.78
			For 3" WG (Class B), Add	4.13	
			For 4" Or 6" WG (Class A), Add	11.02	
			For 28 Gauge, Deduct	-0.49	
			For 24 Gauge, Add	0.49	
			For 22 Gauge, Add	0.97	
			For 20 Gauge, Add	1.46	
			For 18 Gauge, Add	1.94	
			For 16 Gauge, Add	2.38	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.61	
			For Work In Restricted Working Space, Add	8.27	
			For Elevated Installation >10' To 15', Add	2.76	
			For Elevated Installation >15' To 20', Add	5.51	
			For Elevated Installation >20' To 25', Add	6.89	
			For Elevated Installation >25' To 30', Add	9.64	
			For Elevated Installation >30' To 35', Add	11.02	
			For Elevated Installation >35' To 40', Add	13.78	
			For Elevated Installation >40', Add	15.15	
23 31 13 16-0016	EA		5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable		
			Elbow.....	35.64	15.90
			For 3" WG (Class B), Add	4.77	
			For 4" Or 6" WG (Class A), Add	12.72	
			For 28 Gauge, Deduct	-0.53	
			For 24 Gauge, Add	0.53	
			For 22 Gauge, Add	1.06	
			For 20 Gauge, Add	1.59	
			For 18 Gauge, Add	2.12	
			For 16 Gauge, Add	2.60	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.85	
			For Work In Restricted Working Space, Add	9.54	
			For Elevated Installation >10' To 15', Add	3.18	
			For Elevated Installation >15' To 20', Add	6.36	
			For Elevated Installation >20' To 25', Add	7.95	
			For Elevated Installation >25' To 30', Add	11.13	
			For Elevated Installation >30' To 35', Add	12.72	
			For Elevated Installation >35' To 40', Add	15.90	
			For Elevated Installation >40', Add	17.48	
23 31 13 16-0017	EA		6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable		
			Elbow.....	41.90	18.78
			For 3" WG (Class B), Add	5.64	
			For 4" Or 6" WG (Class A), Add	15.03	
			For 28 Gauge, Deduct	-0.60	
			For 24 Gauge, Add	0.60	
			For 22 Gauge, Add	1.19	
			For 20 Gauge, Add	1.79	
			For 18 Gauge, Add	2.38	
			For 16 Gauge, Add	2.92	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.20	
			For Work In Restricted Working Space, Add	11.27	
			For Elevated Installation >10' To 15', Add	3.76	
			For Elevated Installation >15' To 20', Add	7.51	
			For Elevated Installation >20' To 25', Add	9.39	
			For Elevated Installation >25' To 30', Add	13.15	
			For Elevated Installation >30' To 35', Add	15.03	
			For Elevated Installation >35' To 40', Add	18.79	
			For Elevated Installation >40', Add	20.66	
23 31 13 16-0018	EA		7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable		
			Elbow.....	53.62	24.15
			For 3" WG (Class B), Add	7.25	
			For 4" Or 6" WG (Class A), Add	19.32	
			For 28 Gauge, Deduct	-0.74	
			For 24 Gauge, Add	0.73	
			For 22 Gauge, Add	1.47	
			For 20 Gauge, Add	2.20	
			For 18 Gauge, Add	2.93	
			For 16 Gauge, Add	3.59	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.94	
			For Work In Restricted Working Space, Add	14.49	
			For Elevated Installation >10' To 15', Add	4.83	
			For Elevated Installation >15' To 20', Add	9.66	
			For Elevated Installation >20' To 25', Add	12.08	
			For Elevated Installation >25' To 30', Add	16.91	
			For Elevated Installation >30' To 35', Add	19.32	
			For Elevated Installation >35' To 40', Add	24.15	
			For Elevated Installation >40', Add	26.57	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0019 EA 8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable		
Elbow.....	64.57	29.41
For 3" WG (Class B), Add	8.82	
For 4" Or 6" WG (Class A), Add	23.53	
For 28 Gauge, Deduct	-0.79	
For 24 Gauge, Add	0.79	
For 22 Gauge, Add	1.58	
For 20 Gauge, Add	2.38	
For 18 Gauge, Add	3.16	
For 16 Gauge, Add	3.87	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.25	
For Work In Restricted Working Space, Add	17.65	
For Elevated Installation >10' To 15', Add	5.88	
For Elevated Installation >15' To 20', Add	11.77	
For Elevated Installation >20' To 25', Add	14.71	
For Elevated Installation >25' To 30', Add	20.59	
For Elevated Installation >30' To 35', Add	23.53	
For Elevated Installation >35' To 40', Add	29.42	
For Elevated Installation >40', Add	32.36	
23 31 13 16-0020 EA 10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable		
Elbow.....	99.43	45.93
For 3" WG (Class B), Add	13.78	
For 4" Or 6" WG (Class A), Add	36.74	
For 28 Gauge, Deduct	-1.05	
For 24 Gauge, Add	1.05	
For 22 Gauge, Add	2.09	
For 20 Gauge, Add	3.14	
For 18 Gauge, Add	4.17	
For 16 Gauge, Add	5.12	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.61	
For Work In Restricted Working Space, Add	27.56	
For Elevated Installation >10' To 15', Add	9.19	
For Elevated Installation >15' To 20', Add	18.37	
For Elevated Installation >20' To 25', Add	22.96	
For Elevated Installation >25' To 30', Add	32.15	
For Elevated Installation >30' To 35', Add	36.74	
For Elevated Installation >35' To 40', Add	45.93	
For Elevated Installation >40', Add	50.52	
23 31 13 16-0021 EA 12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable		
Elbow.....	137.22	63.47
For 3" WG (Class B), Add	19.04	
For 4" Or 6" WG (Class A), Add	50.78	
For 28 Gauge, Deduct	-1.42	
For 24 Gauge, Add	1.42	
For 22 Gauge, Add	2.83	
For 20 Gauge, Add	4.25	
For 18 Gauge, Add	5.65	
For 16 Gauge, Add	6.93	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.60	
For Work In Restricted Working Space, Add	38.09	
For Elevated Installation >10' To 15', Add	12.70	
For Elevated Installation >15' To 20', Add	25.39	
For Elevated Installation >20' To 25', Add	31.74	
For Elevated Installation >25' To 30', Add	44.43	
For Elevated Installation >30' To 35', Add	50.78	
For Elevated Installation >35' To 40', Add	63.48	
For Elevated Installation >40', Add	69.82	
23 31 13 16-0022 EA 14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable		
Elbow.....	165.90	75.08
For 3" WG (Class B), Add	22.52	
For 4" Or 6" WG (Class A), Add	60.06	
For 28 Gauge, Deduct	-2.18	
For 24 Gauge, Add	2.17	
For 22 Gauge, Add	4.34	
For 20 Gauge, Add	6.52	
For 18 Gauge, Add	8.66	
For 16 Gauge, Add	10.62	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	11.65	
For Work In Restricted Working Space, Add	45.05	
For Elevated Installation >10' To 15', Add	15.02	
For Elevated Installation >15' To 20', Add	30.03	
For Elevated Installation >20' To 25', Add	37.54	
For Elevated Installation >25' To 30', Add	52.56	
For Elevated Installation >30' To 35', Add	60.06	
For Elevated Installation >35' To 40', Add	75.08	
For Elevated Installation >40', Add	82.59	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts And Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0023	EA		16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	187.68	82.57
			For 3" WG (Class B), Add	24.77	
			For 4" Or 6" WG (Class A), Add	66.05	
			For 28 Gauge, Deduct	-3.12	
			For 24 Gauge, Add	3.11	
			For 22 Gauge, Add	6.21	
			For 20 Gauge, Add	9.34	
			For 18 Gauge, Add	12.40	
			For 16 Gauge, Add	15.22	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.69	
			For Work In Restricted Working Space, Add	49.54	
			For Elevated Installation >10' To 15', Add	16.51	
			For Elevated Installation >15' To 20', Add	33.03	
			For Elevated Installation >20' To 25', Add	41.28	
			For Elevated Installation >25' To 30', Add	57.80	
			For Elevated Installation >30' To 35', Add	66.05	
			For Elevated Installation >35' To 40', Add	82.57	
			For Elevated Installation >40', Add	90.82	
23 31 13 16-0024	EA		18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	205.60	85.92
			For 3" WG (Class B), Add	25.77	
			For 4" Or 6" WG (Class A), Add	68.73	
			For 28 Gauge, Deduct	-4.68	
			For 24 Gauge, Add	4.66	
			For 22 Gauge, Add	9.30	
			For 20 Gauge, Add	13.98	
			For 18 Gauge, Add	18.57	
			For 16 Gauge, Add	22.79	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	24.99	
			For Work In Restricted Working Space, Add	51.55	
			For Elevated Installation >10' To 15', Add	17.18	
			For Elevated Installation >15' To 20', Add	34.37	
			For Elevated Installation >20' To 25', Add	42.96	
			For Elevated Installation >25' To 30', Add	60.14	
			For Elevated Installation >30' To 35', Add	68.73	
			For Elevated Installation >35' To 40', Add	85.92	
			For Elevated Installation >40', Add	94.51	
			For 10" WG (Class A), Add	79.04	
23 31 13 16-0025	EA		20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	222.54	88.75
			For 3" WG (Class B), Add	26.63	
			For 4" Or 6" WG (Class A), Add	71.01	
			For 28 Gauge, Deduct	-6.24	
			For 24 Gauge, Add	6.21	
			For 22 Gauge, Add	12.40	
			For 20 Gauge, Add	18.64	
			For 18 Gauge, Add	24.76	
			For 16 Gauge, Add	30.39	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	33.31	
			For Work In Restricted Working Space, Add	53.26	
			For Elevated Installation >10' To 15', Add	17.75	
			For Elevated Installation >15' To 20', Add	35.50	
			For Elevated Installation >20' To 25', Add	44.38	
			For Elevated Installation >25' To 30', Add	62.13	
			For Elevated Installation >30' To 35', Add	71.01	
			For Elevated Installation >35' To 40', Add	88.76	
			For Elevated Installation >40', Add	97.64	
			For 10" WG (Class A), Add	81.66	
23 31 13 16-0026			2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbows <small>(23 31 13 16-0001)</small>		
23 31 13 16-0027	EA		4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	26.19	9.29
			For 3" WG (Class B), Add	3.48	
			For 4" Or 6" WG (Class A), Add	9.29	
			For 28 Gauge, Deduct	-0.41	
			For 24 Gauge, Add	0.41	
			For 22 Gauge, Add	0.82	
			For 20 Gauge, Add	1.23	
			For 18 Gauge, Add	1.63	
			For 16 Gauge, Add	2.00	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.20	
			For Work In Restricted Working Space, Add	6.97	
			For Elevated Installation >10' To 15', Add	2.32	
			For Elevated Installation >15' To 20', Add	4.64	
			For Elevated Installation >20' To 25', Add	5.81	
			For Elevated Installation >25' To 30', Add	8.13	
			For Elevated Installation >30' To 35', Add	9.29	
			For Elevated Installation >35' To 40', Add	11.61	
			For Elevated Installation >40', Add	12.77	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 16-0028	EA	5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	29.93	10.63
			For 3" WG (Class B), Add	3.98	
			For 4" Or 6" WG (Class A), Add	10.62	
			For 28 Gauge, Deduct	-0.47	
			For 24 Gauge, Add	0.47	
			For 22 Gauge, Add	0.93	
			For 20 Gauge, Add	1.40	
			For 18 Gauge, Add	1.86	
			For 16 Gauge, Add	2.29	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.51	
			For Work In Restricted Working Space, Add	7.96	
			For Elevated Installation >10' To 15', Add	2.65	
			For Elevated Installation >15' To 20', Add	5.31	
			For Elevated Installation >20' To 25', Add	6.64	
			For Elevated Installation >25' To 30', Add	9.29	
			For Elevated Installation >30' To 35', Add	10.62	
			For Elevated Installation >35' To 40', Add	13.27	
			For Elevated Installation >40', Add	14.60	
23 31	13 16-0029	EA	6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	34.82	12.39
			For 3" WG (Class B), Add	4.64	
			For 4" Or 6" WG (Class A), Add	12.38	
			For 28 Gauge, Deduct	-0.53	
			For 24 Gauge, Add	0.53	
			For 22 Gauge, Add	1.06	
			For 20 Gauge, Add	1.60	
			For 18 Gauge, Add	2.12	
			For 16 Gauge, Add	2.61	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.86	
			For Work In Restricted Working Space, Add	9.29	
			For Elevated Installation >10' To 15', Add	3.10	
			For Elevated Installation >15' To 20', Add	6.19	
			For Elevated Installation >20' To 25', Add	7.74	
			For Elevated Installation >25' To 30', Add	10.84	
			For Elevated Installation >30' To 35', Add	12.38	
			For Elevated Installation >35' To 40', Add	15.48	
			For Elevated Installation >40', Add	17.03	
23 31	13 16-0030	EA	7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	41.25	14.86
			For 3" WG (Class B), Add	5.57	
			For 4" Or 6" WG (Class A), Add	14.86	
			For 28 Gauge, Deduct	-0.57	
			For 24 Gauge, Add	0.56	
			For 22 Gauge, Add	1.13	
			For 20 Gauge, Add	1.69	
			For 18 Gauge, Add	2.25	
			For 16 Gauge, Add	2.76	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.03	
			For Work In Restricted Working Space, Add	11.15	
			For Elevated Installation >10' To 15', Add	3.72	
			For Elevated Installation >15' To 20', Add	7.43	
			For Elevated Installation >20' To 25', Add	9.29	
			For Elevated Installation >25' To 30', Add	13.01	
			For Elevated Installation >30' To 35', Add	14.86	
			For Elevated Installation >35' To 40', Add	18.58	
			For Elevated Installation >40', Add	20.44	
23 31	13 16-0031	EA	8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	51.18	18.57
			For 3" WG (Class B), Add	6.97	
			For 4" Or 6" WG (Class A), Add	18.58	
			For 28 Gauge, Deduct	-0.66	
			For 24 Gauge, Add	0.65	
			For 22 Gauge, Add	1.31	
			For 20 Gauge, Add	1.96	
			For 18 Gauge, Add	2.61	
			For 16 Gauge, Add	3.20	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.51	
			For Work In Restricted Working Space, Add	13.93	
			For Elevated Installation >10' To 15', Add	4.64	
			For Elevated Installation >15' To 20', Add	9.29	
			For Elevated Installation >20' To 25', Add	11.61	
			For Elevated Installation >25' To 30', Add	16.25	
			For Elevated Installation >30' To 35', Add	18.58	
			For Elevated Installation >35' To 40', Add	23.22	
			For Elevated Installation >40', Add	25.54	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0032 EA 10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	68.69	24.77
For 3" WG (Class B), Add	9.29	
For 4" Or 6" WG (Class A), Add	24.77	
For 28 Gauge, Deduct	-0.94	
For 24 Gauge, Add	0.93	
For 22 Gauge, Add	1.87	
For 20 Gauge, Add	2.80	
For 18 Gauge, Add	3.72	
For 16 Gauge, Add	4.57	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.01	
For Work In Restricted Working Space, Add	18.58	
For Elevated Installation >10' To 15', Add	6.19	
For Elevated Installation >15' To 20', Add	12.38	
For Elevated Installation >20' To 25', Add	15.48	
For Elevated Installation >25' To 30', Add	21.67	
For Elevated Installation >30' To 35', Add	24.77	
For Elevated Installation >35' To 40', Add	30.96	
For Elevated Installation >40', Add	34.06	
23 31 13 16-0033 EA 12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	101.85	37.16
For 3" WG (Class B), Add	13.93	
For 4" Or 6" WG (Class A), Add	37.16	
For 28 Gauge, Deduct	-1.24	
For 24 Gauge, Add	1.24	
For 22 Gauge, Add	2.47	
For 20 Gauge, Add	3.71	
For 18 Gauge, Add	4.93	
For 16 Gauge, Add	6.05	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.63	
For Work In Restricted Working Space, Add	27.87	
For Elevated Installation >10' To 15', Add	9.29	
For Elevated Installation >15' To 20', Add	18.58	
For Elevated Installation >20' To 25', Add	23.22	
For Elevated Installation >25' To 30', Add	32.51	
For Elevated Installation >30' To 35', Add	37.16	
For Elevated Installation >35' To 40', Add	46.45	
For Elevated Installation >40', Add	51.09	
23 31 13 16-0034 EA 14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	135.47	47.47
For 3" WG (Class B), Add	17.80	
For 4" Or 6" WG (Class A), Add	47.48	
For 28 Gauge, Deduct	-2.32	
For 24 Gauge, Add	2.32	
For 22 Gauge, Add	4.62	
For 20 Gauge, Add	6.95	
For 18 Gauge, Add	9.23	
For 16 Gauge, Add	11.33	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	12.42	
For Work In Restricted Working Space, Add	35.61	
For Elevated Installation >10' To 15', Add	11.87	
For Elevated Installation >15' To 20', Add	23.74	
For Elevated Installation >20' To 25', Add	29.67	
For Elevated Installation >25' To 30', Add	41.54	
For Elevated Installation >30' To 35', Add	47.48	
For Elevated Installation >35' To 40', Add	59.35	
For Elevated Installation >40', Add	65.28	
23 31 13 16-0035 EA 16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	170.18	59.86
For 3" WG (Class B), Add	22.45	
For 4" Or 6" WG (Class A), Add	59.86	
For 28 Gauge, Deduct	-2.84	
For 24 Gauge, Add	2.83	
For 22 Gauge, Add	5.66	
For 20 Gauge, Add	8.50	
For 18 Gauge, Add	11.29	
For 16 Gauge, Add	13.86	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	15.19	
For Work In Restricted Working Space, Add	44.90	
For Elevated Installation >10' To 15', Add	14.97	
For Elevated Installation >15' To 20', Add	29.93	
For Elevated Installation >20' To 25', Add	37.41	
For Elevated Installation >25' To 30', Add	52.38	
For Elevated Installation >30' To 35', Add	59.86	
For Elevated Installation >35' To 40', Add	74.83	
For Elevated Installation >40', Add	82.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0036 EA 18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	187.73	62.44
<i>For 3" WG (Class B), Add</i>	23.38	
<i>For 4" Or 6" WG (Class A), Add</i>	62.34	
<i>For 28 Gauge, Deduct</i>	-4.42	
<i>For 24 Gauge, Add</i>	4.40	
<i>For 22 Gauge, Add</i>	8.79	
<i>For 20 Gauge, Add</i>	13.20	
<i>For 18 Gauge, Add</i>	17.54	
<i>For 16 Gauge, Add</i>	21.53	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	23.60	
<i>For Work In Restricted Working Space, Add</i>	46.75	
<i>For Elevated Installation >10' To 15', Add</i>	15.58	
<i>For Elevated Installation >15' To 20', Add</i>	31.17	
<i>For Elevated Installation >20' To 25', Add</i>	38.96	
<i>For Elevated Installation >25' To 30', Add</i>	54.54	
<i>For Elevated Installation >30' To 35', Add</i>	62.34	
<i>For Elevated Installation >35' To 40', Add</i>	77.92	
<i>For Elevated Installation >40', Add</i>	85.71	
<i>For 10" WG (Class A), Add</i>	71.69	
23 31 13 16-0037 EA 20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	202.49	63.99
<i>For 3" WG (Class B), Add</i>	24.00	
<i>For 4" Or 6" WG (Class A), Add</i>	63.99	
<i>For 28 Gauge, Deduct</i>	-5.89	
<i>For 24 Gauge, Add</i>	5.87	
<i>For 22 Gauge, Add</i>	11.71	
<i>For 20 Gauge, Add</i>	17.60	
<i>For 18 Gauge, Add</i>	23.39	
<i>For 16 Gauge, Add</i>	28.70	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	31.46	
<i>For Work In Restricted Working Space, Add</i>	47.99	
<i>For Elevated Installation >10' To 15', Add</i>	16.00	
<i>For Elevated Installation >15' To 20', Add</i>	31.99	
<i>For Elevated Installation >20' To 25', Add</i>	39.99	
<i>For Elevated Installation >25' To 30', Add</i>	55.99	
<i>For Elevated Installation >30' To 35', Add</i>	63.99	
<i>For Elevated Installation >35' To 40', Add</i>	79.99	
<i>For Elevated Installation >40', Add</i>	87.98	
<i>For 10" WG (Class A), Add</i>	73.59	
23 31 13 16-0038 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbows <small>(23 31 13 16-0001)</small>		
23 31 13 16-0039 EA 4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	28.09	9.29
<i>For 3" WG (Class B), Add</i>	3.48	
<i>For 4" Or 6" WG (Class A), Add</i>	9.29	
<i>For 28 Gauge, Deduct</i>	-0.26	
<i>For 24 Gauge, Add</i>	0.26	
<i>For 22 Gauge, Add</i>	0.52	
<i>For 20 Gauge, Add</i>	0.77	
<i>For 18 Gauge, Add</i>	1.03	
<i>For 16 Gauge, Add</i>	1.26	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	1.38	
<i>For Work In Restricted Working Space, Add</i>	6.97	
<i>For Elevated Installation >10' To 15', Add</i>	2.32	
<i>For Elevated Installation >15' To 20', Add</i>	4.64	
<i>For Elevated Installation >20' To 25', Add</i>	5.81	
<i>For Elevated Installation >25' To 30', Add</i>	8.13	
<i>For Elevated Installation >30' To 35', Add</i>	9.29	
<i>For Elevated Installation >35' To 40', Add</i>	11.61	
<i>For Elevated Installation >40', Add</i>	12.77	
23 31 13 16-0040 EA 5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	28.94	10.63
<i>For 3" WG (Class B), Add</i>	3.98	
<i>For 4" Or 6" WG (Class A), Add</i>	10.62	
<i>For 28 Gauge, Deduct</i>	-0.33	
<i>For 24 Gauge, Add</i>	0.33	
<i>For 22 Gauge, Add</i>	0.66	
<i>For 20 Gauge, Add</i>	0.99	
<i>For 18 Gauge, Add</i>	1.32	
<i>For 16 Gauge, Add</i>	1.62	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	1.78	
<i>For Work In Restricted Working Space, Add</i>	7.96	
<i>For Elevated Installation >10' To 15', Add</i>	2.65	
<i>For Elevated Installation >15' To 20', Add</i>	5.31	
<i>For Elevated Installation >20' To 25', Add</i>	6.64	
<i>For Elevated Installation >25' To 30', Add</i>	9.29	
<i>For Elevated Installation >30' To 35', Add</i>	10.62	
<i>For Elevated Installation >35' To 40', Add</i>	13.27	
<i>For Elevated Installation >40', Add</i>	14.60	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0041	EA		6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	33.58	12.39
			For 3" WG (Class B), Add	4.64	
			For 4" Or 6" WG (Class A), Add	12.38	
			For 28 Gauge, Deduct	-0.36	
			For 24 Gauge, Add	0.36	
			For 22 Gauge, Add	0.72	
			For 20 Gauge, Add	1.08	
			For 18 Gauge, Add	1.44	
			For 16 Gauge, Add	1.77	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.94	
			For Work In Restricted Working Space, Add	9.29	
			For Elevated Installation >10' To 15', Add	3.10	
			For Elevated Installation >15' To 20', Add	6.19	
			For Elevated Installation >20' To 25', Add	7.74	
			For Elevated Installation >25' To 30', Add	10.84	
			For Elevated Installation >30' To 35', Add	12.38	
			For Elevated Installation >35' To 40', Add	15.48	
			For Elevated Installation >40', Add	17.03	
23 31 13 16-0042	EA		7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	40.19	14.86
			For 3" WG (Class B), Add	5.57	
			For 4" Or 6" WG (Class A), Add	14.86	
			For 28 Gauge, Deduct	-0.42	
			For 24 Gauge, Add	0.42	
			For 22 Gauge, Add	0.83	
			For 20 Gauge, Add	1.25	
			For 18 Gauge, Add	1.67	
			For 16 Gauge, Add	2.05	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.24	
			For Work In Restricted Working Space, Add	11.15	
			For Elevated Installation >10' To 15', Add	3.72	
			For Elevated Installation >15' To 20', Add	7.43	
			For Elevated Installation >20' To 25', Add	9.29	
			For Elevated Installation >25' To 30', Add	13.01	
			For Elevated Installation >30' To 35', Add	14.86	
			For Elevated Installation >35' To 40', Add	18.58	
			For Elevated Installation >40', Add	20.44	
23 31 13 16-0043	EA		8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	49.89	18.57
			For 3" WG (Class B), Add	6.97	
			For 4" Or 6" WG (Class A), Add	18.58	
			For 28 Gauge, Deduct	-0.48	
			For 24 Gauge, Add	0.48	
			For 22 Gauge, Add	0.95	
			For 20 Gauge, Add	1.43	
			For 18 Gauge, Add	1.90	
			For 16 Gauge, Add	2.33	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.55	
			For Work In Restricted Working Space, Add	13.93	
			For Elevated Installation >10' To 15', Add	4.64	
			For Elevated Installation >15' To 20', Add	9.29	
			For Elevated Installation >20' To 25', Add	11.61	
			For Elevated Installation >25' To 30', Add	16.25	
			For Elevated Installation >30' To 35', Add	18.58	
			For Elevated Installation >35' To 40', Add	23.22	
			For Elevated Installation >40', Add	25.54	
23 31 13 16-0044	EA		10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	67.18	24.77
			For 3" WG (Class B), Add	9.29	
			For 4" Or 6" WG (Class A), Add	24.77	
			For 28 Gauge, Deduct	-0.73	
			For 24 Gauge, Add	0.73	
			For 22 Gauge, Add	1.45	
			For 20 Gauge, Add	2.18	
			For 18 Gauge, Add	2.89	
			For 16 Gauge, Add	3.55	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.89	
			For Work In Restricted Working Space, Add	18.58	
			For Elevated Installation >10' To 15', Add	6.19	
			For Elevated Installation >15' To 20', Add	12.38	
			For Elevated Installation >20' To 25', Add	15.48	
			For Elevated Installation >25' To 30', Add	21.67	
			For Elevated Installation >30' To 35', Add	24.77	
			For Elevated Installation >35' To 40', Add	30.96	
			For Elevated Installation >40', Add	34.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0045 EA 12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	99.66	37.16
<i>For 3" WG (Class B), Add</i>	13.93	
<i>For 4" Or 6" WG (Class A), Add</i>	37.16	
<i>For 28 Gauge, Deduct</i>	-0.94	
<i>For 24 Gauge, Add</i>	0.93	
<i>For 22 Gauge, Add</i>	1.87	
<i>For 20 Gauge, Add</i>	2.80	
<i>For 18 Gauge, Add</i>	3.72	
<i>For 16 Gauge, Add</i>	4.57	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.01	
<i>For Work In Restricted Working Space, Add</i>	27.87	
<i>For Elevated Installation >10' To 15', Add</i>	9.29	
<i>For Elevated Installation >15' To 20', Add</i>	18.58	
<i>For Elevated Installation >20' To 25', Add</i>	23.22	
<i>For Elevated Installation >25' To 30', Add</i>	32.51	
<i>For Elevated Installation >30' To 35', Add</i>	37.16	
<i>For Elevated Installation >35' To 40', Add</i>	46.45	
<i>For Elevated Installation >40', Add</i>	51.09	
23 31 13 16-0046 EA 14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	130.41	47.47
<i>For 3" WG (Class B), Add</i>	17.80	
<i>For 4" Or 6" WG (Class A), Add</i>	47.48	
<i>For 28 Gauge, Deduct</i>	-1.62	
<i>For 24 Gauge, Add</i>	1.62	
<i>For 22 Gauge, Add</i>	3.23	
<i>For 20 Gauge, Add</i>	4.85	
<i>For 18 Gauge, Add</i>	6.45	
<i>For 16 Gauge, Add</i>	7.91	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	8.67	
<i>For Work In Restricted Working Space, Add</i>	35.61	
<i>For Elevated Installation >10' To 15', Add</i>	11.87	
<i>For Elevated Installation >15' To 20', Add</i>	23.74	
<i>For Elevated Installation >20' To 25', Add</i>	29.67	
<i>For Elevated Installation >25' To 30', Add</i>	41.54	
<i>For Elevated Installation >30' To 35', Add</i>	47.48	
<i>For Elevated Installation >35' To 40', Add</i>	59.35	
<i>For Elevated Installation >40', Add</i>	65.28	
23 31 13 16-0047 EA 16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	168.88	59.86
<i>For 3" WG (Class B), Add</i>	22.45	
<i>For 4" Or 6" WG (Class A), Add</i>	59.86	
<i>For 28 Gauge, Deduct</i>	-2.66	
<i>For 24 Gauge, Add</i>	2.65	
<i>For 22 Gauge, Add</i>	5.30	
<i>For 20 Gauge, Add</i>	7.96	
<i>For 18 Gauge, Add</i>	10.58	
<i>For 16 Gauge, Add</i>	12.98	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	14.23	
<i>For Work In Restricted Working Space, Add</i>	44.90	
<i>For Elevated Installation >10' To 15', Add</i>	14.97	
<i>For Elevated Installation >15' To 20', Add</i>	29.93	
<i>For Elevated Installation >20' To 25', Add</i>	37.41	
<i>For Elevated Installation >25' To 30', Add</i>	52.38	
<i>For Elevated Installation >30' To 35', Add</i>	59.86	
<i>For Elevated Installation >35' To 40', Add</i>	74.83	
<i>For Elevated Installation >40', Add</i>	82.31	
23 31 13 16-0048 EA 18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	179.08	62.44
<i>For 3" WG (Class B), Add</i>	23.38	
<i>For 4" Or 6" WG (Class A), Add</i>	62.34	
<i>For 28 Gauge, Deduct</i>	-3.22	
<i>For 24 Gauge, Add</i>	3.21	
<i>For 22 Gauge, Add</i>	6.40	
<i>For 20 Gauge, Add</i>	9.62	
<i>For 18 Gauge, Add</i>	12.78	
<i>For 16 Gauge, Add</i>	15.69	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	17.20	
<i>For Work In Restricted Working Space, Add</i>	46.75	
<i>For Elevated Installation >10' To 15', Add</i>	15.58	
<i>For Elevated Installation >15' To 20', Add</i>	31.17	
<i>For Elevated Installation >20' To 25', Add</i>	38.96	
<i>For Elevated Installation >25' To 30', Add</i>	54.54	
<i>For Elevated Installation >30' To 35', Add</i>	62.34	
<i>For Elevated Installation >35' To 40', Add</i>	77.92	
<i>For Elevated Installation >40', Add</i>	85.71	
<i>For 10" WG (Class A), Add</i>	71.69	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts And Casings

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 31 13 16-0049	EA	20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	189.75	63.99
		For 3" WG (Class B), Add	24.00	
		For 4" Or 6" WG (Class A), Add	63.99	
		For 28 Gauge, Deduct	-4.12	
		For 24 Gauge, Add	4.11	
		For 22 Gauge, Add	8.20	
		For 20 Gauge, Add	12.33	
		For 18 Gauge, Add	16.38	
		For 16 Gauge, Add	20.10	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	22.04	
		For Work In Restricted Working Space, Add	47.99	
		For Elevated Installation >10' To 15', Add	16.00	
		For Elevated Installation >15' To 20', Add	31.99	
		For Elevated Installation >20' To 25', Add	39.99	
		For Elevated Installation >25' To 30', Add	55.99	
		For Elevated Installation >30' To 35', Add	63.99	
		For Elevated Installation >35' To 40', Add	79.99	
		For Elevated Installation >40', Add	87.98	
		For 10" WG (Class A), Add	73.59	
23 31 13 16-0050		2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tees (23 31 13 16-0001)		
23 31 13 16-0051	EA	4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	38.99	13.94
		For 3" WG (Class B), Add	5.22	
		For 4" Or 6" WG (Class A), Add	13.93	
		For 28 Gauge, Deduct	-0.58	
		For 24 Gauge, Add	0.57	
		For 22 Gauge, Add	1.15	
		For 20 Gauge, Add	1.72	
		For 18 Gauge, Add	2.29	
		For 16 Gauge, Add	2.81	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.08	
		For Work In Restricted Working Space, Add	10.45	
		For Elevated Installation >10' To 15', Add	3.48	
		For Elevated Installation >15' To 20', Add	6.97	
		For Elevated Installation >20' To 25', Add	8.71	
		For Elevated Installation >25' To 30', Add	12.19	
		For Elevated Installation >30' To 35', Add	13.93	
		For Elevated Installation >35' To 40', Add	17.42	
		For Elevated Installation >40', Add	19.16	
23 31 13 16-0052	EA	5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	45.33	15.90
		For 3" WG (Class B), Add	5.97	
		For 4" Or 6" WG (Class A), Add	15.92	
		For 28 Gauge, Deduct	-0.76	
		For 24 Gauge, Add	0.76	
		For 22 Gauge, Add	1.52	
		For 20 Gauge, Add	2.29	
		For 18 Gauge, Add	3.04	
		For 16 Gauge, Add	3.73	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.08	
		For Work In Restricted Working Space, Add	11.94	
		For Elevated Installation >10' To 15', Add	3.98	
		For Elevated Installation >15' To 20', Add	7.96	
		For Elevated Installation >20' To 25', Add	9.95	
		For Elevated Installation >25' To 30', Add	13.93	
		For Elevated Installation >30' To 35', Add	15.92	
		For Elevated Installation >35' To 40', Add	19.91	
		For Elevated Installation >40', Add	21.90	
23 31 13 16-0053	EA	6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	52.43	18.57
		For 3" WG (Class B), Add	6.97	
		For 4" Or 6" WG (Class A), Add	18.58	
		For 28 Gauge, Deduct	-0.83	
		For 24 Gauge, Add	0.83	
		For 22 Gauge, Add	1.65	
		For 20 Gauge, Add	2.48	
		For 18 Gauge, Add	3.29	
		For 16 Gauge, Add	4.04	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.43	
		For Work In Restricted Working Space, Add	13.93	
		For Elevated Installation >10' To 15', Add	4.64	
		For Elevated Installation >15' To 20', Add	9.29	
		For Elevated Installation >20' To 25', Add	11.61	
		For Elevated Installation >25' To 30', Add	16.25	
		For Elevated Installation >30' To 35', Add	18.58	
		For Elevated Installation >35' To 40', Add	23.22	
		For Elevated Installation >40', Add	25.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0054 EA 7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	62.63	22.29
For 3" WG (Class B), Add	8.36	
For 4" Or 6" WG (Class A), Add	22.29	
For 28 Gauge, Deduct	-0.96	
For 24 Gauge, Add	0.95	
For 22 Gauge, Add	1.90	
For 20 Gauge, Add	2.86	
For 18 Gauge, Add	3.80	
For 16 Gauge, Add	4.66	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.11	
For Work In Restricted Working Space, Add	16.72	
For Elevated Installation >15' To 15', Add	5.57	
For Elevated Installation >15' To 20', Add	11.15	
For Elevated Installation >20' To 25', Add	13.93	
For Elevated Installation >25' To 30', Add	19.51	
For Elevated Installation >30' To 35', Add	22.29	
For Elevated Installation >35' To 40', Add	27.87	
For Elevated Installation >40', Add	30.65	
23 31 13 16-0055 EA 8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	80.82	27.86
For 3" WG (Class B), Add	10.45	
For 4" Or 6" WG (Class A), Add	27.87	
For 28 Gauge, Deduct	-1.54	
For 24 Gauge, Add	1.54	
For 22 Gauge, Add	3.07	
For 20 Gauge, Add	4.62	
For 18 Gauge, Add	6.13	
For 16 Gauge, Add	7.53	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.25	
For Work In Restricted Working Space, Add	20.90	
For Elevated Installation >10' To 15', Add	6.97	
For Elevated Installation >15' To 20', Add	13.93	
For Elevated Installation >20' To 25', Add	17.42	
For Elevated Installation >25' To 30', Add	24.38	
For Elevated Installation >30' To 35', Add	27.87	
For Elevated Installation >35' To 40', Add	34.84	
For Elevated Installation >40', Add	38.32	
23 31 13 16-0056 EA 10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	107.12	37.16
For 3" WG (Class B), Add	13.93	
For 4" Or 6" WG (Class A), Add	37.16	
For 28 Gauge, Deduct	-1.97	
For 24 Gauge, Add	1.96	
For 22 Gauge, Add	3.92	
For 20 Gauge, Add	5.89	
For 18 Gauge, Add	7.83	
For 16 Gauge, Add	9.61	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	10.53	
For Work In Restricted Working Space, Add	27.87	
For Elevated Installation >10' To 15', Add	9.29	
For Elevated Installation >15' To 20', Add	18.58	
For Elevated Installation >20' To 25', Add	23.22	
For Elevated Installation >25' To 30', Add	32.51	
For Elevated Installation >30' To 35', Add	37.16	
For Elevated Installation >35' To 40', Add	46.45	
For Elevated Installation >40', Add	51.09	
23 31 13 16-0057 EA 12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	153.52	55.73
For 3" WG (Class B), Add	20.89	
For 4" Or 6" WG (Class A), Add	55.72	
For 28 Gauge, Deduct	-1.97	
For 24 Gauge, Add	1.96	
For 22 Gauge, Add	3.92	
For 20 Gauge, Add	5.89	
For 18 Gauge, Add	7.83	
For 16 Gauge, Add	9.61	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	10.53	
For Work In Restricted Working Space, Add	41.79	
For Elevated Installation >15' To 15', Add	13.93	
For Elevated Installation >15' To 20', Add	27.86	
For Elevated Installation >20' To 25', Add	34.82	
For Elevated Installation >25' To 30', Add	48.75	
For Elevated Installation >30' To 35', Add	55.72	
For Elevated Installation >35' To 40', Add	69.65	
For Elevated Installation >40', Add	76.61	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts And Casings



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0058	EA	14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	205.04	71.00
		For 3" WG (Class B), Add	26.69	
		For 4" Or 6" WG (Class A), Add	71.18	
		For 28 Gauge, Deduct	-3.75	
		For 24 Gauge, Add	3.74	
		For 22 Gauge, Add	7.47	
		For 20 Gauge, Add	11.22	
		For 18 Gauge, Add	14.91	
		For 16 Gauge, Add	18.29	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	20.05	
		For Work In Restricted Working Space, Add	53.38	
		For Elevated Installation >10' To 15', Add	17.79	
		For Elevated Installation >15' To 20', Add	35.59	
		For Elevated Installation >20' To 25', Add	44.49	
		For Elevated Installation >25' To 30', Add	62.28	
		For Elevated Installation >30' To 35', Add	71.18	
		For Elevated Installation >35' To 40', Add	88.97	
		For Elevated Installation >40', Add	97.87	
23 31 13 16-0059	EA	16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	262.40	89.99
		For 3" WG (Class B), Add	33.65	
		For 4" Or 6" WG (Class A), Add	89.74	
		For 28 Gauge, Deduct	-5.27	
		For 24 Gauge, Add	5.25	
		For 22 Gauge, Add	10.48	
		For 20 Gauge, Add	15.75	
		For 18 Gauge, Add	20.92	
		For 16 Gauge, Add	25.68	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	28.15	
		For Work In Restricted Working Space, Add	67.31	
		For Elevated Installation >10' To 15', Add	22.44	
		For Elevated Installation >15' To 20', Add	44.87	
		For Elevated Installation >20' To 25', Add	56.09	
		For Elevated Installation >25' To 30', Add	78.53	
		For Elevated Installation >30' To 35', Add	89.74	
		For Elevated Installation >35' To 40', Add	112.18	
		For Elevated Installation >40', Add	123.40	
23 31 13 16-0060	EA	18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	299.24	100.11
		For 3" WG (Class B), Add	37.62	
		For 4" Or 6" WG (Class A), Add	100.31	
		For 28 Gauge, Deduct	-6.71	
		For 24 Gauge, Add	6.69	
		For 22 Gauge, Add	13.35	
		For 20 Gauge, Add	20.06	
		For 18 Gauge, Add	26.65	
		For 16 Gauge, Add	32.71	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	35.86	
		For Work In Restricted Working Space, Add	75.23	
		For Elevated Installation >10' To 15', Add	25.08	
		For Elevated Installation >15' To 20', Add	50.16	
		For Elevated Installation >20' To 25', Add	62.70	
		For Elevated Installation >25' To 30', Add	87.77	
		For Elevated Installation >30' To 35', Add	100.31	
		For Elevated Installation >35' To 40', Add	125.39	
		For Elevated Installation >40', Add	137.93	
		For 10" WG (Class A), Add	115.36	
23 31 13 16-0061	EA	20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	312.83	103.72
		For 3" WG (Class B), Add	38.86	
		For 4" Or 6" WG (Class A), Add	103.62	
		For 28 Gauge, Deduct	-7.45	
		For 24 Gauge, Add	7.42	
		For 22 Gauge, Add	14.82	
		For 20 Gauge, Add	22.26	
		For 18 Gauge, Add	29.58	
		For 16 Gauge, Add	36.30	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	39.80	
		For Work In Restricted Working Space, Add	77.72	
		For Elevated Installation >10' To 15', Add	25.91	
		For Elevated Installation >15' To 20', Add	51.81	
		For Elevated Installation >20' To 25', Add	64.76	
		For Elevated Installation >25' To 30', Add	90.67	
		For Elevated Installation >30' To 35', Add	103.62	
		For Elevated Installation >35' To 40', Add	129.53	
		For Elevated Installation >40', Add	142.48	
		For 10" WG (Class A), Add	119.16	

23 31 13 16-0062 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connectors (23 31 13 16-0001)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0063 EA 4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector	17.91	
For 3" WG (Class B), Add	2.48	
For 4" Or 6" WG (Class A), Add	6.60	
For Work In Restricted Working Space, Add	4.95	
For Elevated Installation >10' To 15', Add	1.65	
For Elevated Installation >15' To 20', Add	3.30	
For Elevated Installation >20' To 25', Add	4.13	
For Elevated Installation >25' To 30', Add	5.78	
For Elevated Installation >30' To 35', Add	6.60	
For Elevated Installation >35' To 40', Add	8.26	
For Elevated Installation >40', Add	9.08	
23 31 13 16-0064 EA 5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector	18.86	
For 3" WG (Class B), Add	2.60	
For 4" Or 6" WG (Class A), Add	6.94	
For Work In Restricted Working Space, Add	5.21	
For Elevated Installation >10' To 15', Add	1.74	
For Elevated Installation >15' To 20', Add	3.47	
For Elevated Installation >20' To 25', Add	4.34	
For Elevated Installation >25' To 30', Add	6.08	
For Elevated Installation >30' To 35', Add	6.94	
For Elevated Installation >35' To 40', Add	8.68	
For Elevated Installation >40', Add	9.55	
23 31 13 16-0065 EA 6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector	20.19	
For 3" WG (Class B), Add	2.79	
For 4" Or 6" WG (Class A), Add	7.43	
For Work In Restricted Working Space, Add	5.57	
For Elevated Installation >10' To 15', Add	1.86	
For Elevated Installation >15' To 20', Add	3.71	
For Elevated Installation >20' To 25', Add	4.64	
For Elevated Installation >25' To 30', Add	6.50	
For Elevated Installation >30' To 35', Add	7.43	
For Elevated Installation >35' To 40', Add	9.29	
For Elevated Installation >40', Add	10.21	
23 31 13 16-0066 EA 7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector	21.45	
For 3" WG (Class B), Add	2.94	
For 4" Or 6" WG (Class A), Add	7.84	
For Work In Restricted Working Space, Add	5.88	
For Elevated Installation >10' To 15', Add	1.96	
For Elevated Installation >15' To 20', Add	3.92	
For Elevated Installation >20' To 25', Add	4.90	
For Elevated Installation >25' To 30', Add	6.86	
For Elevated Installation >30' To 35', Add	7.84	
For Elevated Installation >35' To 40', Add	9.81	
For Elevated Installation >40', Add	10.79	
23 31 13 16-0067 EA 8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector	23.24	
For 3" WG (Class B), Add	3.17	
For 4" Or 6" WG (Class A), Add	8.46	
For Work In Restricted Working Space, Add	6.35	
For Elevated Installation >10' To 15', Add	2.12	
For Elevated Installation >15' To 20', Add	4.23	
For Elevated Installation >20' To 25', Add	5.29	
For Elevated Installation >25' To 30', Add	7.41	
For Elevated Installation >30' To 35', Add	8.46	
For Elevated Installation >35' To 40', Add	10.58	
For Elevated Installation >40', Add	11.64	
23 31 13 16-0068 EA 10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector	26.91	
For 3" WG (Class B), Add	3.54	
For 4" Or 6" WG (Class A), Add	9.45	
For Work In Restricted Working Space, Add	7.09	
For Elevated Installation >10' To 15', Add	2.36	
For Elevated Installation >15' To 20', Add	4.73	
For Elevated Installation >20' To 25', Add	5.91	
For Elevated Installation >25' To 30', Add	8.27	
For Elevated Installation >30' To 35', Add	9.45	
For Elevated Installation >35' To 40', Add	11.82	
For Elevated Installation >40', Add	13.00	
23 31 13 16-0069 EA 12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector	36.98	
For 3" WG (Class B), Add	4.95	
For 4" Or 6" WG (Class A), Add	13.21	
For Work In Restricted Working Space, Add	9.91	
For Elevated Installation >10' To 15', Add	3.30	
For Elevated Installation >15' To 20', Add	6.60	
For Elevated Installation >20' To 25', Add	8.26	
For Elevated Installation >25' To 30', Add	11.56	
For Elevated Installation >30' To 35', Add	13.21	
For Elevated Installation >35' To 40', Add	16.51	
For Elevated Installation >40', Add	18.16	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts And Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0070	EA		14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector	42.19	
			For 3" WG (Class B), Add	5.64	
			For 4" Or 6" WG (Class A), Add	15.03	
			For Work In Restricted Working Space, Add	11.27	
			For Elevated Installation >10' To 15', Add	3.76	
			For Elevated Installation >15' To 20', Add	7.52	
			For Elevated Installation >20' To 25', Add	9.40	
			For Elevated Installation >25' To 30', Add	13.15	
			For Elevated Installation >30' To 35', Add	15.03	
			For Elevated Installation >35' To 40', Add	18.79	
			For Elevated Installation >40', Add	20.67	
23 31 13 16-0071	EA		16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector	46.35	
			For 3" WG (Class B), Add	6.18	
			For 4" Or 6" WG (Class A), Add	16.48	
			For Work In Restricted Working Space, Add	12.36	
			For Elevated Installation >10' To 15', Add	4.12	
			For Elevated Installation >15' To 20', Add	8.24	
			For Elevated Installation >20' To 25', Add	10.30	
			For Elevated Installation >25' To 30', Add	14.42	
			For Elevated Installation >30' To 35', Add	16.48	
			For Elevated Installation >35' To 40', Add	20.60	
			For Elevated Installation >40', Add	22.65	
23 31 13 16-0072	EA		18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector	50.35	
			For 3" WG (Class B), Add	6.69	
			For 4" Or 6" WG (Class A), Add	17.84	
			For Work In Restricted Working Space, Add	13.38	
			For Elevated Installation >10' To 15', Add	4.46	
			For Elevated Installation >15' To 20', Add	8.92	
			For Elevated Installation >20' To 25', Add	11.15	
			For Elevated Installation >25' To 30', Add	15.61	
			For Elevated Installation >30' To 35', Add	17.84	
			For Elevated Installation >35' To 40', Add	22.30	
			For Elevated Installation >40', Add	24.52	
			For 10" WG (Class A), Add	20.51	
23 31 13 16-0073	EA		20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector	54.86	
			For 3" WG (Class B), Add	7.29	
			For 4" Or 6" WG (Class A), Add	19.44	
			For Work In Restricted Working Space, Add	14.58	
			For Elevated Installation >10' To 15', Add	4.86	
			For Elevated Installation >15' To 20', Add	9.72	
			For Elevated Installation >20' To 25', Add	12.15	
			For Elevated Installation >25' To 30', Add	17.01	
			For Elevated Installation >30' To 35', Add	19.44	
			For Elevated Installation >35' To 40', Add	24.31	
			For Elevated Installation >40', Add	26.74	
			For 10" WG (Class A), Add	22.36	
23 31 13 16-0074			Slip Joint, Galvanized, Spiral Duct And Fittings <small>(23 31 13 16)</small>		
23 31 13 16-0075			Slip Joint, Galvanized, Spiral Duct <small>(23 31 13 16-0074)</small>		
23 31 13 16-0076	LF		4" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	6.40	0.95
			For 3" WG (Class B), Add	0.77	
			For 4" Or 6" WG (Class A), Add	2.04	
			For 24 Gauge, Add	0.26	
			For 22 Gauge, Add	0.60	
			For 20 Gauge, Add	0.98	
			For 18 Gauge, Add	1.50	
			For 16 Gauge, Add	1.82	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	0.96	
			For Work In Restricted Working Space, Add	1.53	
23 31 13 16-0077	LF		6" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	8.00	1.90
			For 3" WG (Class B), Add	0.92	
			For 4" Or 6" WG (Class A), Add	2.45	
			For 24 Gauge, Add	0.38	
			For 22 Gauge, Add	0.86	
			For 20 Gauge, Add	1.41	
			For 18 Gauge, Add	2.16	
			For 16 Gauge, Add	2.63	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.39	
			For Work In Restricted Working Space, Add	1.84	
23 31 13 16-0078	LF		8" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	10.05	1.90
			For 3" WG (Class B), Add	1.14	
			For 4" Or 6" WG (Class A), Add	3.03	
			For 24 Gauge, Add	0.49	
			For 22 Gauge, Add	1.14	
			For 20 Gauge, Add	1.85	
			For 18 Gauge, Add	2.84	
			For 16 Gauge, Add	3.46	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.83	
			For Work In Restricted Working Space, Add	2.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0079 LF 10" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	12.15	1.90
For 3" WG (Class B), Add	1.37	
For 4" Or 6" WG (Class A), Add	3.64	
For 24 Gauge, Add	0.61	
For 22 Gauge, Add	1.40	
For 20 Gauge, Add	2.29	
For 18 Gauge, Add	3.51	
For 16 Gauge, Add	4.27	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.26	
For Work In Restricted Working Space, Add	2.73	
23 31 13 16-0080 LF 12" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	15.15	2.85
For 3" WG (Class B), Add	1.71	
For 4" Or 6" WG (Class A), Add	4.56	
For 24 Gauge, Add	0.75	
For 22 Gauge, Add	1.73	
For 20 Gauge, Add	2.81	
For 18 Gauge, Add	4.31	
For 16 Gauge, Add	5.25	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.78	
For Work In Restricted Working Space, Add	3.42	
23 31 13 16-0081 LF 14" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	18.60	2.85
For 3" WG (Class B), Add	2.14	
For 4" Or 6" WG (Class A), Add	5.70	
For 24 Gauge, Add	0.87	
For 22 Gauge, Add	2.00	
For 20 Gauge, Add	3.26	
For 18 Gauge, Add	5.00	
For 16 Gauge, Add	6.09	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.22	
For Work In Restricted Working Space, Add	4.28	
23 31 13 16-0082 LF 16" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	25.30	2.85
For 3" WG (Class B), Add	2.85	
For 4" Or 6" WG (Class A), Add	7.59	
For 24 Gauge, Add	1.26	
For 22 Gauge, Add	2.91	
For 20 Gauge, Add	4.74	
For 18 Gauge, Add	7.27	
For 16 Gauge, Add	8.85	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.68	
For Work In Restricted Working Space, Add	5.69	
23 31 13 16-0083 LF 18" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	29.13	3.80
For 3" WG (Class B), Add	3.32	
For 4" Or 6" WG (Class A), Add	8.85	
For 24 Gauge, Add	1.40	
For 22 Gauge, Add	3.22	
For 20 Gauge, Add	5.26	
For 18 Gauge, Add	8.06	
For 16 Gauge, Add	9.81	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.19	
For Work In Restricted Working Space, Add	6.64	
23 31 13 16-0084 LF 20" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	32.94	3.80
For 3" WG (Class B), Add	3.77	
For 4" Or 6" WG (Class A), Add	10.05	
For 24 Gauge, Add	1.56	
For 22 Gauge, Add	3.59	
For 20 Gauge, Add	5.86	
For 18 Gauge, Add	8.98	
For 16 Gauge, Add	10.93	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.78	
For Work In Restricted Working Space, Add	7.54	
23 31 13 16-0085 LF 22" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	36.94	4.75
For 3" WG (Class B), Add	4.25	
For 4" Or 6" WG (Class A), Add	11.32	
For 24 Gauge, Add	1.73	
For 22 Gauge, Add	3.97	
For 20 Gauge, Add	6.48	
For 18 Gauge, Add	9.94	
For 16 Gauge, Add	12.10	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.39	
For Work In Restricted Working Space, Add	8.49	
23 31 13 16-0086 LF 24" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	41.06	5.70
For 3" WG (Class B), Add	4.75	
For 4" Or 6" WG (Class A), Add	12.67	
For 24 Gauge, Add	1.88	
For 22 Gauge, Add	4.32	
For 20 Gauge, Add	7.04	
For 18 Gauge, Add	10.80	
For 16 Gauge, Add	13.15	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.95	
For Work In Restricted Working Space, Add	9.50	

23 31 13 16-0087 Slip Joint, Galvanized, Spiral 90 Degree Elbows (23 31 13 16-0074)

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts And Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 16-0088	EA	4" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	59.87	13.31
			<i>For 3" WG (Class B), Add</i>	7.70	
			<i>For 4" Or 6" WG (Class A), Add</i>	20.54	
			<i>For 24 Gauge, Add</i>	1.70	
			<i>For 22 Gauge, Add</i>	3.91	
			<i>For 20 Gauge, Add</i>	6.38	
			<i>For 18 Gauge, Add</i>	9.79	
			<i>For 16 Gauge, Add</i>	11.91	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	6.30	
			<i>For Work In Restricted Working Space, Add</i>	15.41	
23 31	13 16-0089	EA	6" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	88.11	19.00
			<i>For 3" WG (Class B), Add</i>	11.40	
			<i>For 4" Or 6" WG (Class A), Add</i>	30.41	
			<i>For 24 Gauge, Add</i>	2.42	
			<i>For 22 Gauge, Add</i>	5.56	
			<i>For 20 Gauge, Add</i>	9.06	
			<i>For 18 Gauge, Add</i>	13.89	
			<i>For 16 Gauge, Add</i>	16.91	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	8.94	
			<i>For Work In Restricted Working Space, Add</i>	22.81	
23 31	13 16-0090	EA	8" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	123.07	24.70
			<i>For 3" WG (Class B), Add</i>	15.00	
			<i>For 4" Or 6" WG (Class A), Add</i>	40.01	
			<i>For 24 Gauge, Add</i>	4.61	
			<i>For 22 Gauge, Add</i>	10.60	
			<i>For 20 Gauge, Add</i>	17.28	
			<i>For 18 Gauge, Add</i>	26.50	
			<i>For 16 Gauge, Add</i>	32.26	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	17.05	
			<i>For Work In Restricted Working Space, Add</i>	30.01	
23 31	13 16-0091	EA	10" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	153.83	31.36
			<i>For 3" WG (Class B), Add</i>	19.01	
			<i>For 4" Or 6" WG (Class A), Add</i>	50.68	
			<i>For 24 Gauge, Add</i>	5.43	
			<i>For 22 Gauge, Add</i>	12.48	
			<i>For 20 Gauge, Add</i>	20.35	
			<i>For 18 Gauge, Add</i>	31.20	
			<i>For 16 Gauge, Add</i>	37.98	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	20.08	
			<i>For Work In Restricted Working Space, Add</i>	38.01	
23 31	13 16-0092	EA	12" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	190.24	39.91
			<i>For 3" WG (Class B), Add</i>	23.76	
			<i>For 4" Or 6" WG (Class A), Add</i>	63.35	
			<i>For 24 Gauge, Add</i>	6.37	
			<i>For 22 Gauge, Add</i>	14.66	
			<i>For 20 Gauge, Add</i>	23.90	
			<i>For 18 Gauge, Add</i>	36.64	
			<i>For 16 Gauge, Add</i>	44.60	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	23.58	
			<i>For Work In Restricted Working Space, Add</i>	47.51	
23 31	13 16-0093	EA	14" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	208.23	43.72
			<i>For 3" WG (Class B), Add</i>	25.92	
			<i>For 4" Or 6" WG (Class A), Add</i>	69.11	
			<i>For 24 Gauge, Add</i>	7.09	
			<i>For 22 Gauge, Add</i>	16.31	
			<i>For 20 Gauge, Add</i>	26.60	
			<i>For 18 Gauge, Add</i>	40.78	
			<i>For 16 Gauge, Add</i>	49.64	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	26.24	
			<i>For Work In Restricted Working Space, Add</i>	51.83	
23 31	13 16-0094	EA	16" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	245.86	51.31
			<i>For 3" WG (Class B), Add</i>	30.65	
			<i>For 4" Or 6" WG (Class A), Add</i>	81.74	
			<i>For 24 Gauge, Add</i>	8.30	
			<i>For 22 Gauge, Add</i>	19.09	
			<i>For 20 Gauge, Add</i>	31.13	
			<i>For 18 Gauge, Add</i>	47.73	
			<i>For 16 Gauge, Add</i>	58.10	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	30.71	
			<i>For Work In Restricted Working Space, Add</i>	61.31	
23 31	13 16-0095	EA	18" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	301.16	63.66
			<i>For 3" WG (Class B), Add</i>	38.01	
			<i>For 4" Or 6" WG (Class A), Add</i>	101.36	
			<i>For 24 Gauge, Add</i>	9.55	
			<i>For 22 Gauge, Add</i>	21.97	
			<i>For 20 Gauge, Add</i>	35.82	
			<i>For 18 Gauge, Add</i>	54.92	
			<i>For 16 Gauge, Add</i>	66.86	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	35.34	
			<i>For Work In Restricted Working Space, Add</i>	76.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0096 EA 20" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	362.91	76.97
For 3" WG (Class B), Add	45.98	
For 4" Or 6" WG (Class A), Add	122.62	
For 24 Gauge, Add	11.27	
For 22 Gauge, Add	25.93	
For 20 Gauge, Add	42.28	
For 18 Gauge, Add	64.83	
For 16 Gauge, Add	78.92	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	41.71	
For Work In Restricted Working Space, Add	91.96	
23 31 13 16-0097 EA 22" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	422.57	89.32
For 3" WG (Class B), Add	53.79	
For 4" Or 6" WG (Class A), Add	143.44	
For 24 Gauge, Add	12.80	
For 22 Gauge, Add	29.43	
For 20 Gauge, Add	47.99	
For 18 Gauge, Add	73.58	
For 16 Gauge, Add	89.57	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	47.35	
For Work In Restricted Working Space, Add	107.58	
23 31 13 16-0098 EA 24" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	483.33	101.68
For 3" WG (Class B), Add	60.66	
For 4" Or 6" WG (Class A), Add	161.75	
For 24 Gauge, Add	15.79	
For 22 Gauge, Add	36.32	
For 20 Gauge, Add	59.22	
For 18 Gauge, Add	90.80	
For 16 Gauge, Add	110.54	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	58.43	
For Work In Restricted Working Space, Add	121.31	
23 31 13 16-0099 Slip Joint, Galvanized, Spiral Duct 45 Degree Elbows <small>(23 31 13 16-0074)</small>		
23 31 13 16-0100 EA 4" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	60.27	13.31
For 3" WG (Class B), Add	7.70	
For 4" Or 6" WG (Class A), Add	20.54	
For 24 Gauge, Add	1.78	
For 22 Gauge, Add	4.10	
For 20 Gauge, Add	6.68	
For 18 Gauge, Add	10.25	
For 16 Gauge, Add	12.47	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.59	
For Work In Restricted Working Space, Add	15.41	
23 31 13 16-0101 EA 6" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	86.04	19.00
For 3" WG (Class B), Add	11.40	
For 4" Or 6" WG (Class A), Add	30.41	
For 24 Gauge, Add	2.00	
For 22 Gauge, Add	4.60	
For 20 Gauge, Add	7.51	
For 18 Gauge, Add	11.51	
For 16 Gauge, Add	14.01	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.41	
For Work In Restricted Working Space, Add	22.81	
23 31 13 16-0102 EA 8" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	113.45	24.70
For 3" WG (Class B), Add	15.00	
For 4" Or 6" WG (Class A), Add	40.01	
For 24 Gauge, Add	2.68	
For 22 Gauge, Add	6.17	
For 20 Gauge, Add	10.07	
For 18 Gauge, Add	15.43	
For 16 Gauge, Add	18.79	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	9.93	
For Work In Restricted Working Space, Add	30.01	
23 31 13 16-0103 EA 10" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	143.48	31.36
For 3" WG (Class B), Add	19.01	
For 4" Or 6" WG (Class A), Add	50.68	
For 24 Gauge, Add	3.36	
For 22 Gauge, Add	7.72	
For 20 Gauge, Add	12.59	
For 18 Gauge, Add	19.30	
For 16 Gauge, Add	23.49	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	12.42	
For Work In Restricted Working Space, Add	38.01	
23 31 13 16-0104 EA 12" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	177.88	39.91
For 3" WG (Class B), Add	23.76	
For 4" Or 6" WG (Class A), Add	63.35	
For 24 Gauge, Add	3.90	
For 22 Gauge, Add	8.97	
For 20 Gauge, Add	14.63	
For 18 Gauge, Add	22.43	
For 16 Gauge, Add	27.30	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.43	
For Work In Restricted Working Space, Add	47.51	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0105	EA		14" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	194.45	43.72
			<i>For 3" WG (Class B), Add</i>	25.92	
			<i>For 4" Or 6" WG (Class A), Add</i>	69.11	
			<i>For 24 Gauge, Add</i>	4.34	
			<i>For 22 Gauge, Add</i>	9.97	
			<i>For 20 Gauge, Add</i>	16.26	
			<i>For 18 Gauge, Add</i>	24.93	
			<i>For 16 Gauge, Add</i>	30.35	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	16.04	
			<i>For Work In Restricted Working Space, Add</i>	51.83	
23 31 13 16-0106	EA		16" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	239.89	51.31
			<i>For 3" WG (Class B), Add</i>	30.65	
			<i>For 4" Or 6" WG (Class A), Add</i>	81.74	
			<i>For 24 Gauge, Add</i>	7.11	
			<i>For 22 Gauge, Add</i>	16.34	
			<i>For 20 Gauge, Add</i>	26.65	
			<i>For 18 Gauge, Add</i>	40.86	
			<i>For 16 Gauge, Add</i>	49.74	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	26.29	
			<i>For Work In Restricted Working Space, Add</i>	61.31	
23 31 13 16-0107	EA		18" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	296.93	63.66
			<i>For 3" WG (Class B), Add</i>	38.01	
			<i>For 4" Or 6" WG (Class A), Add</i>	101.36	
			<i>For 24 Gauge, Add</i>	8.71	
			<i>For 22 Gauge, Add</i>	20.02	
			<i>For 20 Gauge, Add</i>	32.65	
			<i>For 18 Gauge, Add</i>	50.06	
			<i>For 16 Gauge, Add</i>	60.94	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	32.21	
			<i>For Work In Restricted Working Space, Add</i>	76.02	
23 31 13 16-0108	EA		20" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	361.62	76.97
			<i>For 3" WG (Class B), Add</i>	45.98	
			<i>For 4" Or 6" WG (Class A), Add</i>	122.62	
			<i>For 24 Gauge, Add</i>	11.02	
			<i>For 22 Gauge, Add</i>	25.34	
			<i>For 20 Gauge, Add</i>	41.31	
			<i>For 18 Gauge, Add</i>	63.34	
			<i>For 16 Gauge, Add</i>	77.11	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	40.76	
			<i>For Work In Restricted Working Space, Add</i>	91.96	
23 31 13 16-0109	EA		22" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	407.89	89.32
			<i>For 3" WG (Class B), Add</i>	53.79	
			<i>For 4" Or 6" WG (Class A), Add</i>	143.44	
			<i>For 24 Gauge, Add</i>	9.86	
			<i>For 22 Gauge, Add</i>	22.68	
			<i>For 20 Gauge, Add</i>	36.98	
			<i>For 18 Gauge, Add</i>	56.70	
			<i>For 16 Gauge, Add</i>	69.02	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	36.48	
			<i>For Work In Restricted Working Space, Add</i>	107.58	
23 31 13 16-0110	EA		24" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	478.10	101.68
			<i>For 3" WG (Class B), Add</i>	60.66	
			<i>For 4" Or 6" WG (Class A), Add</i>	161.75	
			<i>For 24 Gauge, Add</i>	14.75	
			<i>For 22 Gauge, Add</i>	33.92	
			<i>For 20 Gauge, Add</i>	55.30	
			<i>For 18 Gauge, Add</i>	84.79	
			<i>For 16 Gauge, Add</i>	103.22	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	54.56	
			<i>For Work In Restricted Working Space, Add</i>	121.31	
23 31 13 16-0111			Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Laterals (23 31 13 16-0074)		
23 31 13 16-0112	EA		6" x 6" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	119.18	24.70
			<i>For 3" WG (Class B), Add</i>	15.00	
			<i>For 4" Or 6" WG (Class A), Add</i>	40.01	
			<i>For 24 Gauge, Add</i>	3.83	
			<i>For 22 Gauge, Add</i>	8.81	
			<i>For 20 Gauge, Add</i>	14.36	
			<i>For 18 Gauge, Add</i>	22.02	
			<i>For 16 Gauge, Add</i>	26.81	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	14.17	
			<i>For Work In Restricted Working Space, Add</i>	30.01	
23 31 13 16-0113	EA		8" x 8" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	178.46	39.91
			<i>For 3" WG (Class B), Add</i>	23.76	
			<i>For 4" Or 6" WG (Class A), Add</i>	63.35	
			<i>For 24 Gauge, Add</i>	4.02	
			<i>For 22 Gauge, Add</i>	9.24	
			<i>For 20 Gauge, Add</i>	15.06	
			<i>For 18 Gauge, Add</i>	23.09	
			<i>For 16 Gauge, Add</i>	28.11	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	14.86	
			<i>For Work In Restricted Working Space, Add</i>	47.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0114 EA 10" x 10" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral	226.40	51.31
<i>For 3" WG (Class B), Add</i>	30.65	
<i>For 4" Or 6" WG (Class A), Add</i>	81.74	
<i>For 24 Gauge, Add</i>	4.41	
<i>For 22 Gauge, Add</i>	10.14	
<i>For 20 Gauge, Add</i>	16.53	
<i>For 18 Gauge, Add</i>	25.35	
<i>For 16 Gauge, Add</i>	30.86	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	16.31	
<i>For Work In Restricted Working Space, Add</i>	61.31	
23 31 13 16-0115 EA 12" x 12" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral	276.43	63.66
<i>For 3" WG (Class B), Add</i>	38.01	
<i>For 4" Or 6" WG (Class A), Add</i>	101.36	
<i>For 24 Gauge, Add</i>	4.61	
<i>For 22 Gauge, Add</i>	10.59	
<i>For 20 Gauge, Add</i>	17.27	
<i>For 18 Gauge, Add</i>	26.48	
<i>For 16 Gauge, Add</i>	32.24	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	17.04	
<i>For Work In Restricted Working Space, Add</i>	76.02	
23 31 13 16-0116 EA 14" x 14" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral	330.32	76.97
<i>For 3" WG (Class B), Add</i>	45.98	
<i>For 4" Or 6" WG (Class A), Add</i>	122.62	
<i>For 24 Gauge, Add</i>	4.76	
<i>For 22 Gauge, Add</i>	10.94	
<i>For 20 Gauge, Add</i>	17.84	
<i>For 18 Gauge, Add</i>	27.35	
<i>For 16 Gauge, Add</i>	33.29	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	17.60	
<i>For Work In Restricted Working Space, Add</i>	91.96	
23 31 13 16-0117 EA 16" x 16" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral	384.45	89.32
<i>For 3" WG (Class B), Add</i>	53.79	
<i>For 4" Or 6" WG (Class A), Add</i>	143.44	
<i>For 24 Gauge, Add</i>	5.17	
<i>For 22 Gauge, Add</i>	11.90	
<i>For 20 Gauge, Add</i>	19.40	
<i>For 18 Gauge, Add</i>	29.74	
<i>For 16 Gauge, Add</i>	36.20	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	19.14	
<i>For Work In Restricted Working Space, Add</i>	107.58	
23 31 13 16-0118 EA 18" x 18" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral	431.28	101.68
<i>For 3" WG (Class B), Add</i>	60.66	
<i>For 4" Or 6" WG (Class A), Add</i>	161.75	
<i>For 24 Gauge, Add</i>	5.38	
<i>For 22 Gauge, Add</i>	12.38	
<i>For 20 Gauge, Add</i>	20.18	
<i>For 18 Gauge, Add</i>	30.95	
<i>For 16 Gauge, Add</i>	37.67	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	19.91	
<i>For Work In Restricted Working Space, Add</i>	121.31	
23 31 13 16-0119 EA 20" x 20" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral	491.43	115.93
<i>For 3" WG (Class B), Add</i>	69.53	
<i>For 4" Or 6" WG (Class A), Add</i>	185.42	
<i>For 24 Gauge, Add</i>	5.58	
<i>For 22 Gauge, Add</i>	12.83	
<i>For 20 Gauge, Add</i>	20.92	
<i>For 18 Gauge, Add</i>	32.07	
<i>For 16 Gauge, Add</i>	39.05	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	20.64	
<i>For Work In Restricted Working Space, Add</i>	139.06	
23 31 13 16-0120 EA 22" x 22" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral	547.22	128.28
<i>For 3" WG (Class B), Add</i>	77.05	
<i>For 4" Or 6" WG (Class A), Add</i>	205.46	
<i>For 24 Gauge, Add</i>	6.71	
<i>For 22 Gauge, Add</i>	15.44	
<i>For 20 Gauge, Add</i>	25.17	
<i>For 18 Gauge, Add</i>	38.59	
<i>For 16 Gauge, Add</i>	46.98	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	24.83	
<i>For Work In Restricted Working Space, Add</i>	154.10	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0121	EA		24" x 24" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	593.64	139.69
			For 3" WG (Class B), Add	83.85	
			For 4" Or 6" WG (Class A), Add	223.59	
			For 24 Gauge, Add	6.93	
			For 22 Gauge, Add	15.94	
			For 20 Gauge, Add	26.00	
			For 18 Gauge, Add	39.86	
			For 16 Gauge, Add	48.52	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	25.65	
			For Work In Restricted Working Space, Add	167.69	
23 31 13 16-0122	EA		8" x 8" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	189.15	43.04
			For 3" WG (Class B), Add	25.84	
			For 4" Or 6" WG (Class A), Add	68.91	
			For 24 Gauge, Add	3.37	
			For 22 Gauge, Add	7.76	
			For 20 Gauge, Add	12.65	
			For 18 Gauge, Add	19.40	
			For 16 Gauge, Add	23.62	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	12.48	
			For Work In Restricted Working Space, Add	51.68	
23 31 13 16-0123	EA		10" x 10" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	228.42	51.79
			For 3" WG (Class B), Add	31.07	
			For 4" Or 6" WG (Class A), Add	82.85	
			For 24 Gauge, Add	4.26	
			For 22 Gauge, Add	9.80	
			For 20 Gauge, Add	15.98	
			For 18 Gauge, Add	24.50	
			For 16 Gauge, Add	29.82	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	15.76	
			For Work In Restricted Working Space, Add	62.14	
23 31 13 16-0124	EA		12" x 12" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	277.51	62.91
			For 3" WG (Class B), Add	37.75	
			For 4" Or 6" WG (Class A), Add	100.66	
			For 24 Gauge, Add	5.17	
			For 22 Gauge, Add	11.89	
			For 20 Gauge, Add	19.39	
			For 18 Gauge, Add	29.73	
			For 16 Gauge, Add	36.19	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.13	
			For Work In Restricted Working Space, Add	75.50	
23 31 13 16-0125	EA		14" x 14" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	330.36	74.79
			For 3" WG (Class B), Add	44.94	
			For 4" Or 6" WG (Class A), Add	119.83	
			For 24 Gauge, Add	6.16	
			For 22 Gauge, Add	14.16	
			For 20 Gauge, Add	23.09	
			For 18 Gauge, Add	35.41	
			For 16 Gauge, Add	43.11	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	22.78	
			For Work In Restricted Working Space, Add	89.87	
23 31 13 16-0126	EA		16" x 16" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	420.10	96.16
			For 3" WG (Class B), Add	57.66	
			For 4" Or 6" WG (Class A), Add	153.76	
			For 24 Gauge, Add	7.14	
			For 22 Gauge, Add	16.42	
			For 20 Gauge, Add	26.77	
			For 18 Gauge, Add	41.04	
			For 16 Gauge, Add	49.97	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	26.41	
			For Work In Restricted Working Space, Add	115.32	
23 31 13 16-0127	EA		18" x 18" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	466.50	106.71
			For 3" WG (Class B), Add	63.98	
			For 4" Or 6" WG (Class A), Add	170.60	
			For 24 Gauge, Add	8.00	
			For 22 Gauge, Add	18.40	
			For 20 Gauge, Add	29.99	
			For 18 Gauge, Add	45.99	
			For 16 Gauge, Add	55.99	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	29.59	
			For Work In Restricted Working Space, Add	127.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0128 EA 20" x 20" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral	530.35	121.44
For 3" WG (Class B), Add	72.72	
For 4" Or 6" WG (Class A), Add	193.93	
For 24 Gauge, Add	9.10	
For 22 Gauge, Add	20.94	
For 20 Gauge, Add	34.14	
For 18 Gauge, Add	52.35	
For 16 Gauge, Add	63.73	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	33.68	
For Work In Restricted Working Space, Add	145.45	
23 31 13 16-0129 EA 22" x 22" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral	568.30	129.52
For 3" WG (Class B), Add	77.64	
For 4" Or 6" WG (Class A), Add	207.03	
For 24 Gauge, Add	10.15	
For 22 Gauge, Add	23.34	
For 20 Gauge, Add	38.05	
For 18 Gauge, Add	58.34	
For 16 Gauge, Add	71.02	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	37.54	
For Work In Restricted Working Space, Add	155.27	
23 31 13 16-0130 EA 24" x 24" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral	616.59	140.45
For 3" WG (Class B), Add	84.24	
For 4" Or 6" WG (Class A), Add	224.65	
For 24 Gauge, Add	10.99	
For 22 Gauge, Add	25.29	
For 20 Gauge, Add	41.23	
For 18 Gauge, Add	63.22	
For 16 Gauge, Add	76.96	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	40.68	
For Work In Restricted Working Space, Add	168.49	
23 31 13 16-0131 EA 10" x 10" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral	250.20	57.01
For 3" WG (Class B), Add	34.17	
For 4" Or 6" WG (Class A), Add	91.11	
For 24 Gauge, Add	4.49	
For 22 Gauge, Add	10.32	
For 20 Gauge, Add	16.82	
For 18 Gauge, Add	25.79	
For 16 Gauge, Add	31.40	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.60	
For Work In Restricted Working Space, Add	68.33	
23 31 13 16-0132 EA 12" x 12" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral	304.08	69.37
For 3" WG (Class B), Add	41.53	
For 4" Or 6" WG (Class A), Add	110.75	
For 24 Gauge, Add	5.44	
For 22 Gauge, Add	12.51	
For 20 Gauge, Add	20.40	
For 18 Gauge, Add	31.28	
For 16 Gauge, Add	38.08	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	20.13	
For Work In Restricted Working Space, Add	83.06	
23 31 13 16-0133 EA 14" x 14" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral	361.92	82.20
For 3" WG (Class B), Add	49.43	
For 4" Or 6" WG (Class A), Add	131.80	
For 24 Gauge, Add	6.48	
For 22 Gauge, Add	14.91	
For 20 Gauge, Add	24.32	
For 18 Gauge, Add	37.28	
For 16 Gauge, Add	45.39	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	23.99	
For Work In Restricted Working Space, Add	98.85	
23 31 13 16-0134 EA 16" x 16" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
Lateral	420.12	95.79
For 3" WG (Class B), Add	57.38	
For 4" Or 6" WG (Class A), Add	153.02	
For 24 Gauge, Add	7.51	
For 22 Gauge, Add	17.28	
For 20 Gauge, Add	28.18	
For 18 Gauge, Add	43.21	
For 16 Gauge, Add	52.60	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	27.80	
For Work In Restricted Working Space, Add	114.77	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0135	EA		18" x 18" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	470.14	107.10
			For 3" WG (Class B), Add	64.21	
			For 4" Or 6" WG (Class A), Add	171.22	
			For 24 Gauge, Add	8.42	
			For 22 Gauge, Add	19.36	
			For 20 Gauge, Add	31.57	
			For 18 Gauge, Add	48.40	
			For 16 Gauge, Add	58.93	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	31.15	
			For Work In Restricted Working Space, Add	128.42	
23 31 13 16-0136	EA		20" x 20" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	534.72	121.82
			For 3" WG (Class B), Add	73.02	
			For 4" Or 6" WG (Class A), Add	194.72	
			For 24 Gauge, Add	9.58	
			For 22 Gauge, Add	22.04	
			For 20 Gauge, Add	35.93	
			For 18 Gauge, Add	55.10	
			For 16 Gauge, Add	67.07	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	35.45	
			For Work In Restricted Working Space, Add	146.04	
23 31 13 16-0137	EA		22" x 22" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	597.03	135.89
			For 3" WG (Class B), Add	81.54	
			For 4" Or 6" WG (Class A), Add	217.45	
			For 24 Gauge, Add	10.68	
			For 22 Gauge, Add	24.56	
			For 20 Gauge, Add	40.05	
			For 18 Gauge, Add	61.41	
			For 16 Gauge, Add	74.76	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	39.52	
			For Work In Restricted Working Space, Add	163.09	
23 31 13 16-0138	EA		24" x 24" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	647.35	147.48
			For 3" WG (Class B), Add	88.42	
			For 4" Or 6" WG (Class A), Add	235.80	
			For 24 Gauge, Add	11.57	
			For 22 Gauge, Add	26.62	
			For 20 Gauge, Add	43.40	
			For 18 Gauge, Add	66.54	
			For 16 Gauge, Add	81.00	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	42.82	
			For Work In Restricted Working Space, Add	176.85	
23 31 13 16-0139			Slip Joint, Galvanized, Spiral Duct Reducers <small>(23 31 13 16-0074)</small>		
23 31 13 16-0140	EA		6" x 4", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	82.92	19.00
			For 3" WG (Class B), Add	11.40	
			For 4" Or 6" WG (Class A), Add	30.41	
			For 24 Gauge, Add	1.38	
			For 22 Gauge, Add	3.17	
			For 20 Gauge, Add	5.17	
			For 18 Gauge, Add	7.92	
			For 16 Gauge, Add	9.65	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.10	
			For Work In Restricted Working Space, Add	22.81	
23 31 13 16-0141	EA		8" x 6", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	107.61	24.70
			For 3" WG (Class B), Add	15.00	
			For 4" Or 6" WG (Class A), Add	40.01	
			For 24 Gauge, Add	1.52	
			For 22 Gauge, Add	3.49	
			For 20 Gauge, Add	5.69	
			For 18 Gauge, Add	8.72	
			For 16 Gauge, Add	10.61	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.61	
			For Work In Restricted Working Space, Add	30.01	
23 31 13 16-0142	EA		10" x 8", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	135.09	31.36
			For 3" WG (Class B), Add	19.01	
			For 4" Or 6" WG (Class A), Add	50.68	
			For 24 Gauge, Add	1.68	
			For 22 Gauge, Add	3.86	
			For 20 Gauge, Add	6.29	
			For 18 Gauge, Add	9.65	
			For 16 Gauge, Add	11.75	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.21	
			For Work In Restricted Working Space, Add	38.01	
23 31 13 16-0143	EA		12" x 10", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	167.58	39.91
			For 3" WG (Class B), Add	23.76	
			For 4" Or 6" WG (Class A), Add	63.35	
			For 24 Gauge, Add	1.84	
			For 22 Gauge, Add	4.23	
			For 20 Gauge, Add	6.90	
			For 18 Gauge, Add	10.58	
			For 16 Gauge, Add	12.88	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.81	
			For Work In Restricted Working Space, Add	47.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0144 EA 14" x 12", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	183.01	43.72
For 3" WG (Class B), Add	25.92	
For 4" Or 6" WG (Class A), Add	69.11	
For 24 Gauge, Add	2.05	
For 22 Gauge, Add	4.71	
For 20 Gauge, Add	7.68	
For 18 Gauge, Add	11.78	
For 16 Gauge, Add	14.34	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.58	
For Work In Restricted Working Space, Add	51.83	
23 31 13 16-0145 EA 16" x 14", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	222.07	51.31
For 3" WG (Class B), Add	30.65	
For 4" Or 6" WG (Class A), Add	81.74	
For 24 Gauge, Add	3.54	
For 22 Gauge, Add	8.15	
For 20 Gauge, Add	13.28	
For 18 Gauge, Add	20.37	
For 16 Gauge, Add	24.79	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	13.11	
For Work In Restricted Working Space, Add	61.31	
23 31 13 16-0146 EA 18" x 16", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	272.32	63.66
For 3" WG (Class B), Add	38.01	
For 4" Or 6" WG (Class A), Add	101.36	
For 24 Gauge, Add	3.78	
For 22 Gauge, Add	8.70	
For 20 Gauge, Add	14.19	
For 18 Gauge, Add	21.76	
For 16 Gauge, Add	26.49	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.00	
For Work In Restricted Working Space, Add	76.02	
23 31 13 16-0147 EA 20" x 18", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	326.73	76.97
For 3" WG (Class B), Add	45.98	
For 4" Or 6" WG (Class A), Add	122.62	
For 24 Gauge, Add	4.04	
For 22 Gauge, Add	9.29	
For 20 Gauge, Add	15.14	
For 18 Gauge, Add	23.22	
For 16 Gauge, Add	28.27	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.94	
For Work In Restricted Working Space, Add	91.96	
23 31 13 16-0148 EA 22" x 20", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	380.06	89.32
For 3" WG (Class B), Add	53.79	
For 4" Or 6" WG (Class A), Add	143.44	
For 24 Gauge, Add	4.29	
For 22 Gauge, Add	9.88	
For 20 Gauge, Add	16.10	
For 18 Gauge, Add	24.69	
For 16 Gauge, Add	30.06	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	15.89	
For Work In Restricted Working Space, Add	107.58	
23 31 13 16-0149 EA 24" x 22", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	426.99	101.68
For 3" WG (Class B), Add	60.66	
For 4" Or 6" WG (Class A), Add	161.75	
For 24 Gauge, Add	4.52	
For 22 Gauge, Add	10.41	
For 20 Gauge, Add	16.97	
For 18 Gauge, Add	26.01	
For 16 Gauge, Add	31.67	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.74	
For Work In Restricted Working Space, Add	121.31	
23 31 13 16-0150 Slip Joint, Galvanized, Spiral Duct Couplings <small>(23 31 13 16-0074)</small>		
23 31 13 16-0151 EA 4", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	54.62	13.31
For 3" WG (Class B), Add	7.70	
For 4" Or 6" WG (Class A), Add	20.54	
For 24 Gauge, Add	0.65	
For 22 Gauge, Add	1.50	
For 20 Gauge, Add	2.45	
For 18 Gauge, Add	3.75	
For 16 Gauge, Add	4.56	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.41	
For Work In Restricted Working Space, Add	15.41	
23 31 13 16-0152 EA 6", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	79.73	19.00
For 3" WG (Class B), Add	11.40	
For 4" Or 6" WG (Class A), Add	30.41	
For 24 Gauge, Add	0.74	
For 22 Gauge, Add	1.70	
For 20 Gauge, Add	2.78	
For 18 Gauge, Add	4.26	
For 16 Gauge, Add	5.18	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.74	
For Work In Restricted Working Space, Add	22.81	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 16-0153	EA	8", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	104.02	24.70
			<i>For 3" WG (Class B), Add</i>	15.00	
			<i>For 4" Or 6" WG (Class A), Add</i>	40.01	
			<i>For 24 Gauge, Add</i>	0.80	
			<i>For 22 Gauge, Add</i>	1.84	
			<i>For 20 Gauge, Add</i>	2.99	
			<i>For 18 Gauge, Add</i>	4.59	
			<i>For 16 Gauge, Add</i>	5.59	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	2.95	
			<i>For Work In Restricted Working Space, Add</i>	30.01	
23 31	13 16-0154	EA	10", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	130.98	31.36
			<i>For 3" WG (Class B), Add</i>	19.01	
			<i>For 4" Or 6" WG (Class A), Add</i>	50.68	
			<i>For 24 Gauge, Add</i>	0.86	
			<i>For 22 Gauge, Add</i>	1.97	
			<i>For 20 Gauge, Add</i>	3.21	
			<i>For 18 Gauge, Add</i>	4.92	
			<i>For 16 Gauge, Add</i>	5.99	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.17	
			<i>For Work In Restricted Working Space, Add</i>	38.01	
23 31	13 16-0155	EA	12", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	162.95	39.91
			<i>For 3" WG (Class B), Add</i>	23.76	
			<i>For 4" Or 6" WG (Class A), Add</i>	63.35	
			<i>For 24 Gauge, Add</i>	0.91	
			<i>For 22 Gauge, Add</i>	2.10	
			<i>For 20 Gauge, Add</i>	3.43	
			<i>For 18 Gauge, Add</i>	5.26	
			<i>For 16 Gauge, Add</i>	6.40	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.38	
			<i>For Work In Restricted Working Space, Add</i>	47.51	
23 31	13 16-0156	EA	14", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	177.63	43.72
			<i>For 3" WG (Class B), Add</i>	25.92	
			<i>For 4" Or 6" WG (Class A), Add</i>	69.11	
			<i>For 24 Gauge, Add</i>	0.97	
			<i>For 22 Gauge, Add</i>	2.24	
			<i>For 20 Gauge, Add</i>	3.65	
			<i>For 18 Gauge, Add</i>	5.59	
			<i>For 16 Gauge, Add</i>	6.80	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.60	
			<i>For Work In Restricted Working Space, Add</i>	51.83	
23 31	13 16-0157	EA	16", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	209.74	51.31
			<i>For 3" WG (Class B), Add</i>	30.65	
			<i>For 4" Or 6" WG (Class A), Add</i>	81.74	
			<i>For 24 Gauge, Add</i>	1.08	
			<i>For 22 Gauge, Add</i>	2.47	
			<i>For 20 Gauge, Add</i>	4.04	
			<i>For 18 Gauge, Add</i>	6.19	
			<i>For 16 Gauge, Add</i>	7.53	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.98	
			<i>For Work In Restricted Working Space, Add</i>	61.31	
23 31	13 16-0158	EA	18", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	259.07	63.66
			<i>For 3" WG (Class B), Add</i>	38.01	
			<i>For 4" Or 6" WG (Class A), Add</i>	101.36	
			<i>For 24 Gauge, Add</i>	1.13	
			<i>For 22 Gauge, Add</i>	2.61	
			<i>For 20 Gauge, Add</i>	4.25	
			<i>For 18 Gauge, Add</i>	6.52	
			<i>For 16 Gauge, Add</i>	7.94	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.20	
			<i>For Work In Restricted Working Space, Add</i>	76.02	
23 31	13 16-0159	EA	20", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	312.56	76.97
			<i>For 3" WG (Class B), Add</i>	45.98	
			<i>For 4" Or 6" WG (Class A), Add</i>	122.62	
			<i>For 24 Gauge, Add</i>	1.20	
			<i>For 22 Gauge, Add</i>	2.77	
			<i>For 20 Gauge, Add</i>	4.52	
			<i>For 18 Gauge, Add</i>	6.92	
			<i>For 16 Gauge, Add</i>	8.43	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.45	
			<i>For Work In Restricted Working Space, Add</i>	91.96	
23 31	13 16-0160	EA	22", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	364.84	179.60
			<i>For 3" WG (Class B), Add</i>	53.79	
			<i>For 4" Or 6" WG (Class A), Add</i>	143.44	
			<i>For 24 Gauge, Add</i>	1.25	
			<i>For 22 Gauge, Add</i>	2.88	
			<i>For 20 Gauge, Add</i>	4.69	
			<i>For 18 Gauge, Add</i>	7.19	
			<i>For 16 Gauge, Add</i>	8.75	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.63	
			<i>For Work In Restricted Working Space, Add</i>	107.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0161 EA 24", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	410.97	202.41
For 3" WG (Class B), Add	60.66	
For 4" Or 6" WG (Class A), Add	161.75	
For 24 Gauge, Add	1.32	
For 22 Gauge, Add	3.04	
For 20 Gauge, Add	4.95	
For 18 Gauge, Add	7.59	
For 16 Gauge, Add	9.24	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.88	
For Work In Restricted Working Space, Add	121.31	
23 31 13 16-0162 Slip Joint, Galvanized, Spiral Duct Caps (23 31 13 16-0074)		
23 31 13 16-0163 EA 4", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	29.50	13.31
For 3" WG (Class B), Add	3.85	
For 4" Or 6" WG (Class A), Add	10.27	
For 24 Gauge, Add	0.76	
For 22 Gauge, Add	1.76	
For 20 Gauge, Add	2.87	
For 18 Gauge, Add	4.39	
For 16 Gauge, Add	5.35	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.83	
For Work In Restricted Working Space, Add	7.70	
23 31 13 16-0164 EA 6", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	42.29	19.00
For 3" WG (Class B), Add	5.70	
For 4" Or 6" WG (Class A), Add	15.20	
For 24 Gauge, Add	0.86	
For 22 Gauge, Add	1.97	
For 20 Gauge, Add	3.21	
For 18 Gauge, Add	4.92	
For 16 Gauge, Add	5.99	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.17	
For Work In Restricted Working Space, Add	11.40	
23 31 13 16-0165 EA 8", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	54.70	25.66
For 3" WG (Class B), Add	7.50	
For 4" Or 6" WG (Class A), Add	20.00	
For 24 Gauge, Add	0.94	
For 22 Gauge, Add	2.16	
For 20 Gauge, Add	3.52	
For 18 Gauge, Add	5.39	
For 16 Gauge, Add	6.57	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.47	
For Work In Restricted Working Space, Add	15.00	
23 31 13 16-0166 EA 10", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	68.56	32.31
For 3" WG (Class B), Add	9.50	
For 4" Or 6" WG (Class A), Add	25.34	
For 24 Gauge, Add	1.04	
For 22 Gauge, Add	2.40	
For 20 Gauge, Add	3.91	
For 18 Gauge, Add	5.99	
For 16 Gauge, Add	7.29	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.86	
For Work In Restricted Working Space, Add	19.01	
23 31 13 16-0167 EA 12", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	84.97	39.91
For 3" WG (Class B), Add	11.88	
For 4" Or 6" WG (Class A), Add	31.67	
For 24 Gauge, Add	1.16	
For 22 Gauge, Add	2.66	
For 20 Gauge, Add	4.34	
For 18 Gauge, Add	6.66	
For 16 Gauge, Add	8.11	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.28	
For Work In Restricted Working Space, Add	23.75	
23 31 13 16-0168 EA 14", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	92.75	43.72
For 3" WG (Class B), Add	12.96	
For 4" Or 6" WG (Class A), Add	34.56	
For 24 Gauge, Add	1.27	
For 22 Gauge, Add	2.93	
For 20 Gauge, Add	4.77	
For 18 Gauge, Add	7.31	
For 16 Gauge, Add	8.90	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.71	
For Work In Restricted Working Space, Add	25.92	
23 31 13 16-0169 EA 16", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	107.38	50.36
For 3" WG (Class B), Add	15.00	
For 4" Or 6" WG (Class A), Add	40.01	
For 24 Gauge, Add	1.47	
For 22 Gauge, Add	3.38	
For 20 Gauge, Add	5.51	
For 18 Gauge, Add	8.45	
For 16 Gauge, Add	10.29	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.44	
For Work In Restricted Working Space, Add	30.01	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0170 EA 18", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	151.46	63.66
For 3" WG (Class B), Add	19.01	
For 4" Or 6" WG (Class A), Add	50.68	
For 24 Gauge, Add	4.95	
For 22 Gauge, Add	11.39	
For 20 Gauge, Add	18.57	
For 18 Gauge, Add	28.47	
For 16 Gauge, Add	34.66	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	18.32	
For Work In Restricted Working Space, Add	38.01	
23 31 13 16-0171 EA 20", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	185.23	78.87
For 3" WG (Class B), Add	23.76	
For 4" Or 6" WG (Class A), Add	63.35	
For 24 Gauge, Add	5.37	
For 22 Gauge, Add	12.35	
For 20 Gauge, Add	20.14	
For 18 Gauge, Add	30.88	
For 16 Gauge, Add	37.59	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.87	
For Work In Restricted Working Space, Add	47.51	
23 31 13 16-0172 EA 22", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	201.70	86.48
For 3" WG (Class B), Add	25.92	
For 4" Or 6" WG (Class A), Add	69.11	
For 24 Gauge, Add	5.79	
For 22 Gauge, Add	13.31	
For 20 Gauge, Add	21.70	
For 18 Gauge, Add	33.27	
For 16 Gauge, Add	40.50	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	21.41	
For Work In Restricted Working Space, Add	51.83	
23 31 13 16-0173 EA 24", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	233.25	100.73
For 3" WG (Class B), Add	30.33	
For 4" Or 6" WG (Class A), Add	80.87	
For 24 Gauge, Add	6.21	
For 22 Gauge, Add	14.29	
For 20 Gauge, Add	23.30	
For 18 Gauge, Add	35.73	
For 16 Gauge, Add	43.50	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	22.99	
For Work In Restricted Working Space, Add	60.65	
23 31 13 19 Metal Duct Fittings ^(23 31 13)		
23 31 13 19-0001 Sheet Metal Baffles ^(23 31 13 19)		
23 31 13 19-0002 LF Sheet Metal Baffles Under Raised Floor.....	34.84	28.17
For Work In Restricted Working Space, Add	10.30	
For Elevated Installation >10' To 15', Add	3.43	
For Elevated Installation >15' To 20', Add	6.87	
For Elevated Installation >20' To 25', Add	8.58	
For Elevated Installation >25' To 30', Add	12.02	
For Elevated Installation >30' To 35', Add	13.73	
For Elevated Installation >35' To 40', Add	17.17	
For Elevated Installation >40', Add	18.88	
23 31 13 19-0003 Duct Register Boots ^(23 31 13 19)		
23 31 13 19-0004 EA 10" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel.....	30.72	12.90
For Stainless Steel, Add	6.40	
23 31 13 19-0005 EA 10" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	30.72	12.90
For Stainless Steel, Add	6.40	
23 31 13 19-0006 EA 12" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel.....	32.89	13.94
For Stainless Steel, Add	6.54	
23 31 13 19-0007 EA 12" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	32.89	13.94
For Stainless Steel, Add	6.54	
23 31 13 19-0008 EA 12" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	34.11	13.94
For Stainless Steel, Add	8.13	
23 31 13 19-0009 EA 14" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel.....	35.57	14.96
For Stainless Steel, Add	7.33	
23 31 13 19-0010 EA 14" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	35.57	14.96
For Stainless Steel, Add	7.33	
23 31 13 19-0011 EA 14" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	36.32	14.96
For Stainless Steel, Add	8.31	
23 31 13 19-0012 EA 10" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	36.43	16.00
For Stainless Steel, Add	5.76	
23 31 13 19-0013 EA 12" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	38.62	17.02
For Stainless Steel, Add	5.93	
23 31 13 19-0014 EA 12" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	41.72	17.02
For Stainless Steel, Add	9.96	
23 31 13 19-0015 EA 14" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	40.96	18.06
For Stainless Steel, Add	6.29	
23 31 13 19-0016 EA 14" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	43.99	18.06
For Stainless Steel, Add	10.23	
23 31 13 19-0017 EA 12" x 2-1/4" x 5" Register Boot, Center, Galvanized Steel.....	32.16	13.94
For Stainless Steel, Add	5.59	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 19-0018 EA 12" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel.....	32.16	13.94
<i>For Stainless Steel, Add</i>	5.59	
23 31 13 19-0019 EA 14" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel.....	34.72	14.96
<i>For Stainless Steel, Add</i>	6.23	
23 31 13 19-0020 EA 14" x 2-1/4" x 7" Register Boot, Center, Galvanized Steel.....	35.45	14.96
<i>For Stainless Steel, Add</i>	7.18	
23 31 13 19-0021 EA 10" x 4" x 6" Register Boot, Center, Galvanized Steel.....	36.53	16.00
<i>For Stainless Steel, Add</i>	5.89	
23 31 13 19-0022 EA 12" x 4" x 6" Register Boot, Center, Galvanized Steel.....	38.71	17.02
<i>For Stainless Steel, Add</i>	6.05	
23 31 13 19-0023 EA 12" x 2-1/4" x 6" Register Boot, End, Galvanized Steel.....	32.65	13.94
<i>For Stainless Steel, Add</i>	6.23	
23 31 13 19-0024 EA 14" x 2-1/4" x 6" Register Boot, End, Galvanized Steel.....	35.02	14.96
<i>For Stainless Steel, Add</i>	6.62	
23 31 13 19-0025 EA 10" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel.....	30.72	12.90
<i>For Stainless Steel, Add</i>	6.40	
23 31 13 19-0026 EA 12" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel.....	32.89	13.94
<i>For Stainless Steel, Add</i>	6.54	
23 31 13 19-0027 EA 14" x 2-1/4" x 5" Register Boot, Universal, Galvanized Steel.....	35.57	14.96
<i>For Stainless Steel, Add</i>	7.33	
23 31 13 19-0028 EA 14" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel.....	35.57	14.96
<i>For Stainless Steel, Add</i>	7.33	
23 31 13 19-0029 EA 10" x 4" x 6" Register Boot, Universal, Galvanized Steel.....	36.43	16.00
<i>For Stainless Steel, Add</i>	5.76	
23 31 13 19-0030 EA 12" x 4" x 6" Register Boot, Universal, Galvanized Steel.....	38.62	17.02
<i>For Stainless Steel, Add</i>	5.93	
23 31 13 19-0031 EA 12" x 4" x 7" Register Boot, Universal, Galvanized Steel.....	41.72	17.02
<i>For Stainless Steel, Add</i>	9.96	
23 31 13 19-0032 EA 14" x 4" x 7" Register Boot, Universal, Galvanized Steel.....	43.78	18.06
<i>For Stainless Steel, Add</i>	9.96	
23 31 13 23 Galvanized Steel Welded Duct (23 31 13)		
Note: All field fabricated duct is assembled from flat duct sheets on site to fit to exact field conditions. Ductwork which is fabricated off site or snap-fitting duct is considered as shop fabricated.		
23 31 13 23-0001 Welded Steel Ductwork (23 31 13 23)		
Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc.		
23 31 13 23-0002 Galvanized Steel Welded Duct, For Kitchen (23 31 13 23-0001)		
Note: Also includes special exhaust systems and waste.		
23 31 13 23-0003 LB Galvanized Steel Welded Duct.....	19.21	8.54
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	1.55	
<i>For Work In Restricted Working Space, Add</i>	5.14	
<i>For Elevated Installation >10' To 15', Add</i>	1.71	
<i>For Elevated Installation >15' To 20', Add</i>	3.42	
<i>For Elevated Installation >20' To 25', Add</i>	4.28	
<i>For Elevated Installation >25' To 30', Add</i>	5.99	
<i>For Elevated Installation >30' To 35', Add</i>	6.85	
<i>For Elevated Installation >35' To 40', Add</i>	8.56	
<i>For Elevated Installation >40', Add</i>	9.42	
23 31 13 23-0004 Black Steel Ductwork (23 31 13 23-0001)		
23 31 13 23-0005 LB Black Steel Ductwork.....	18.07	8.80
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	0.35	
<i>For Work In Restricted Working Space, Add</i>	5.28	
<i>For Elevated Installation >10' To 15', Add</i>	1.76	
<i>For Elevated Installation >15' To 20', Add</i>	3.52	
<i>For Elevated Installation >20' To 25', Add</i>	4.40	
<i>For Elevated Installation >25' To 30', Add</i>	6.16	
<i>For Elevated Installation >30' To 35', Add</i>	7.04	
<i>For Elevated Installation >35' To 40', Add</i>	8.80	
<i>For Elevated Installation >40', Add</i>	9.68	
23 31 16 Nonmetal Ducts (23 31)		
23 31 16 13 Fibrous-Glass Ducts (23 31 16)		
23 31 16 13-0001 Glass Fiber Duct Board (23 31 16 13)		
Note: Rigid, rectangular boards faced on one side with a fire-resistant foil-scrim-kraft (FSK) vapor retarder and a lightweight fiber glass mat on the airstream surface.		
23 31 16 13-0002 SF 1" Glass Fiber Duct Board (EI-475).....	8.31	1.76
23 31 16 13-0003 SF 1-1/2" Glass Fiber Duct Board (EI-800).....	9.64	1.93
23 31 16 13-0004 SF 2" Glass Fiber Duct Board (EI-800).....	11.05	2.13
23 31 16 16 Thermoset Fiberglass-Reinforced Plastic Ducts (23 31 16)		
23 31 16 16-0001 Round Fiber Reinforced Plastic Duct (23 31 16 16)		
23 31 16 16-0002 Round Fiber Reinforced Plastic Duct (23 31 16 16-0001)		
23 31 16 16-0003 LF 2" Fiber Reinforced Plastic Duct.....	13.71	4.66
23 31 16 16-0004 LF 3" Fiber Reinforced Plastic Duct.....	17.10	5.45
23 31 16 16-0005 LF 4" Fiber Reinforced Plastic Duct.....	23.31	8.00

23	Heating, Ventilating, And Air-Conditioning (HVAC)
23 30	HVAC Air Distribution
23 31	HVAC Ducts And Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0006	LF		6" Fiber Reinforced Plastic Duct	30.80	10.11
23 31 16 16-0007	LF		8" Fiber Reinforced Plastic Duct	39.01	12.67
23 31 16 16-0008	LF		10" Fiber Reinforced Plastic Duct	47.03	15.21
23 31 16 16-0009	LF		12" Fiber Reinforced Plastic Duct	53.05	17.77
23 31 16 16-0010	LF		14" Fiber Reinforced Plastic Duct	60.39	19.44
23 31 16 16-0011	LF		16" Fiber Reinforced Plastic Duct	65.21	20.67
23 31 16 16-0012	LF		18" Fiber Reinforced Plastic Duct	80.64	23.22
23 31 16 16-0013	LF		20" Fiber Reinforced Plastic Duct	84.90	24.89
23 31 16 16-0014	LF		24" Fiber Reinforced Plastic Duct	103.98	26.56
23 31 16 16-0015	LF		30" Fiber Reinforced Plastic Duct	119.16	30.79
23 31 16 16-0016	LF		36" Fiber Reinforced Plastic Duct	137.84	37.12
23 31 16 16-0017	LF		42" Fiber Reinforced Plastic Duct	182.83	41.34
23 31 16 16-0018	LF		48" Fiber Reinforced Plastic Duct	204.85	46.45
23 31 16 16-0019	LF		54" Fiber Reinforced Plastic Duct	227.85	53.22
23 31 16 16-0020	LF		60" Fiber Reinforced Plastic Duct	258.90	62.10
23 31 16 16-0021	LF		66" Fiber Reinforced Plastic Duct	279.41	76.00
23 31 16 16-0022	LF		72" Fiber Reinforced Plastic Duct	340.99	92.88
23 31 16 16-0023 Fiber Reinforced Plastic Bell <small>(23 31 16 16-0001)</small>					
23 31 16 16-0024	EA		2" Fiber Reinforced Plastic Bell.....	57.10	18.91
23 31 16 16-0025	EA		3" Fiber Reinforced Plastic Bell.....	68.96	22.43
23 31 16 16-0026	EA		4" Fiber Reinforced Plastic Bell.....	79.28	26.39
23 31 16 16-0027	EA		6" Fiber Reinforced Plastic Bell.....	104.10	35.19
23 31 16 16-0028	EA		8" Fiber Reinforced Plastic Bell.....	126.52	43.98
23 31 16 16-0029	EA		10" Fiber Reinforced Plastic Bell.....	146.52	52.77
23 31 16 16-0030	EA		12" Fiber Reinforced Plastic Bell.....	181.67	65.53
23 31 16 16-0031	EA		14" Fiber Reinforced Plastic Bell.....	194.40	70.36
23 31 16 16-0032	EA		16" Fiber Reinforced Plastic Bell.....	210.66	75.20
23 31 16 16-0033	EA		18" Fiber Reinforced Plastic Bell.....	226.92	80.92
23 31 16 16-0034	EA		20" Fiber Reinforced Plastic Bell.....	248.22	87.96
23 31 16 16-0035	EA		24" Fiber Reinforced Plastic Bell.....	289.91	96.75
23 31 16 16-0036	EA		30" Fiber Reinforced Plastic Bell.....	338.83	105.55
23 31 16 16-0037	EA		36" Fiber Reinforced Plastic Bell.....	384.51	118.74
23 31 16 16-0038	EA		42" Fiber Reinforced Plastic Bell.....	430.18	131.94
23 31 16 16-0039	EA		48" Fiber Reinforced Plastic Bell.....	475.84	145.13
23 31 16 16-0040	EA		54" Fiber Reinforced Plastic Bell.....	592.85	175.91
23 31 16 16-0041	EA		60" Fiber Reinforced Plastic Bell.....	704.90	219.89
23 31 16 16-0042	EA		66" Fiber Reinforced Plastic Bell.....	845.85	263.87
23 31 16 16-0043	EA		72" Fiber Reinforced Plastic Bell.....	969.35	299.06
23 31 16 16-0044 Fiber Reinforced Plastic Flange <small>(23 31 16 16-0001)</small>					
23 31 16 16-0045	EA		2" Fiber Reinforced Plastic Flange.....	95.66	18.91
23 31 16 16-0046	EA		3" Fiber Reinforced Plastic Flange.....	109.94	22.43
23 31 16 16-0047	EA		4" Fiber Reinforced Plastic Flange.....	125.08	26.39
23 31 16 16-0048	EA		6" Fiber Reinforced Plastic Flange.....	161.95	35.19
23 31 16 16-0049	EA		8" Fiber Reinforced Plastic Flange.....	196.42	43.98
23 31 16 16-0050	EA		10" Fiber Reinforced Plastic Flange.....	230.88	52.77
23 31 16 16-0051	EA		12" Fiber Reinforced Plastic Flange.....	270.85	65.53
23 31 16 16-0052	EA		14" Fiber Reinforced Plastic Flange.....	302.86	70.36
23 31 16 16-0053	EA		16" Fiber Reinforced Plastic Flange.....	331.16	75.20
23 31 16 16-0054	EA		18" Fiber Reinforced Plastic Flange.....	352.25	80.92
23 31 16 16-0055	EA		20" Fiber Reinforced Plastic Flange.....	368.73	87.96
23 31 16 16-0056	EA		24" Fiber Reinforced Plastic Flange.....	434.52	96.75
23 31 16 16-0057	EA		30" Fiber Reinforced Plastic Flange.....	478.62	105.55
23 31 16 16-0058	EA		36" Fiber Reinforced Plastic Flange.....	594.20	118.74
23 31 16 16-0059	EA		42" Fiber Reinforced Plastic Flange.....	661.56	131.94
23 31 16 16-0060	EA		48" Fiber Reinforced Plastic Flange.....	753.01	145.13
23 31 16 16-0061	EA		54" Fiber Reinforced Plastic Flange.....	882.07	175.91
23 31 16 16-0062	EA		60" Fiber Reinforced Plastic Flange.....	1,049.56	219.89
23 31 16 16-0063	EA		66" Fiber Reinforced Plastic Flange.....	1,217.02	263.87
23 31 16 16-0064	EA		72" Fiber Reinforced Plastic Flange.....	1,393.55	299.06
23 31 16 16-0065 Fiber Reinforced Plastic 90 Degree Elbow <small>(23 31 16 16-0001)</small>					
23 31 16 16-0066	EA		2" Fiber Reinforced Plastic 90 Degree Elbow.....	155.54	45.56
23 31 16 16-0067	EA		3" Fiber Reinforced Plastic 90 Degree Elbow.....	182.36	54.44
23 31 16 16-0068	EA		4" Fiber Reinforced Plastic 90 Degree Elbow.....	211.60	63.33
23 31 16 16-0069	EA		6" Fiber Reinforced Plastic 90 Degree Elbow.....	273.29	84.44
23 31 16 16-0070	EA		8" Fiber Reinforced Plastic 90 Degree Elbow.....	334.98	105.55
23 31 16 16-0071	EA		10" Fiber Reinforced Plastic 90 Degree Elbow.....	396.70	126.66
23 31 16 16-0072	EA		12" Fiber Reinforced Plastic 90 Degree Elbow.....	486.64	157.53
23 31 16 16-0073	EA		14" Fiber Reinforced Plastic 90 Degree Elbow.....	555.13	166.76
23 31 16 16-0074	EA		16" Fiber Reinforced Plastic 90 Degree Elbow.....	634.49	181.10
23 31 16 16-0075	EA		18" Fiber Reinforced Plastic 90 Degree Elbow.....	762.37	194.21
23 31 16 16-0076	EA		20" Fiber Reinforced Plastic 90 Degree Elbow.....	882.12	211.10
23 31 16 16-0077	EA		24" Fiber Reinforced Plastic 90 Degree Elbow.....	1,025.77	232.21
23 31 16 16-0078	EA		30" Fiber Reinforced Plastic 90 Degree Elbow.....	1,398.35	253.32
23 31 16 16-0079	EA		36" Fiber Reinforced Plastic 90 Degree Elbow.....	1,800.65	284.98
23 31 16 16-0080	EA		42" Fiber Reinforced Plastic 90 Degree Elbow.....	2,383.68	316.74



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0081 EA 48" Fiber Reinforced Plastic 90 Degree Elbow	2,834.20	348.40
23 31 16 16-0082 EA 54" Fiber Reinforced Plastic 90 Degree Elbow	3,354.88	422.19
23 31 16 16-0083 EA 60" Fiber Reinforced Plastic 90 Degree Elbow	4,061.03	527.74
23 31 16 16-0084 EA 66" Fiber Reinforced Plastic 90 Degree Elbow	4,766.86	633.12
23 31 16 16-0085 EA 72" Fiber Reinforced Plastic 90 Degree Elbow	5,437.68	717.47
23 31 16 16-0086 Fiber Reinforced Plastic 45 Degree Elbow (23 31 16 16-0001)		
23 31 16 16-0087 EA 2" Fiber Reinforced Plastic 45 Degree Elbow	129.01	45.56
23 31 16 16-0088 EA 3" Fiber Reinforced Plastic 45 Degree Elbow	151.03	54.44
23 31 16 16-0089 EA 4" Fiber Reinforced Plastic 45 Degree Elbow	175.43	63.33
23 31 16 16-0090 EA 6" Fiber Reinforced Plastic 45 Degree Elbow	220.27	84.44
23 31 16 16-0091 EA 8" Fiber Reinforced Plastic 45 Degree Elbow	265.09	105.55
23 31 16 16-0092 EA 10" Fiber Reinforced Plastic 45 Degree Elbow	314.81	126.66
23 31 16 16-0093 EA 12" Fiber Reinforced Plastic 45 Degree Elbow	387.89	157.53
23 31 16 16-0094 EA 14" Fiber Reinforced Plastic 45 Degree Elbow	422.50	166.76
23 31 16 16-0095 EA 16" Fiber Reinforced Plastic 45 Degree Elbow	509.00	181.01
23 31 16 16-0096 EA 18" Fiber Reinforced Plastic 45 Degree Elbow	589.06	194.38
23 31 16 16-0097 EA 20" Fiber Reinforced Plastic 45 Degree Elbow	684.44	211.10
23 31 16 16-0098 EA 24" Fiber Reinforced Plastic 45 Degree Elbow	791.57	232.04
23 31 16 16-0099 EA 30" Fiber Reinforced Plastic 45 Degree Elbow	1,012.40	253.15
23 31 16 16-0100 EA 36" Fiber Reinforced Plastic 45 Degree Elbow	1,244.29	285.24
23 31 16 16-0101 EA 42" Fiber Reinforced Plastic 45 Degree Elbow	1,595.92	316.91
23 31 16 16-0102 EA 48" Fiber Reinforced Plastic 45 Degree Elbow	1,882.17	348.40
23 31 16 16-0103 EA 54" Fiber Reinforced Plastic 45 Degree Elbow	2,241.37	422.19
23 31 16 16-0104 EA 60" Fiber Reinforced Plastic 45 Degree Elbow	2,682.40	527.74
23 31 16 16-0105 EA 66" Fiber Reinforced Plastic 45 Degree Elbow	3,150.00	631.88
23 31 16 16-0106 EA 72" Fiber Reinforced Plastic 45 Degree Elbow	3,559.02	718.17
23 31 16 16-0107 Fiber Reinforced Plastic Tee (23 31 16 16-0001)		
23 31 16 16-0108 EA 2" Fiber Reinforced Plastic Tee	197.65	67.99
23 31 16 16-0109 EA 3" Fiber Reinforced Plastic Tee	232.91	81.89
23 31 16 16-0110 EA 4" Fiber Reinforced Plastic Tee	266.78	94.99
23 31 16 16-0111 EA 6" Fiber Reinforced Plastic Tee	343.67	126.66
23 31 16 16-0112 EA 8" Fiber Reinforced Plastic Tee	419.15	157.53
23 31 16 16-0113 EA 10" Fiber Reinforced Plastic Tee	498.80	190.86
23 31 16 16-0114 EA 12" Fiber Reinforced Plastic Tee	602.50	231.33
23 31 16 16-0115 EA 14" Fiber Reinforced Plastic Tee	658.27	250.33
23 31 16 16-0116 EA 16" Fiber Reinforced Plastic Tee	766.53	271.96
23 31 16 16-0117 EA 18" Fiber Reinforced Plastic Tee	871.15	291.32
23 31 16 16-0118 EA 20" Fiber Reinforced Plastic Tee	1,009.87	316.74
23 31 16 16-0119 EA 24" Fiber Reinforced Plastic Tee	1,159.11	348.40
23 31 16 16-0120 EA 30" Fiber Reinforced Plastic Tee	1,392.36	379.88
23 31 16 16-0121 EA 36" Fiber Reinforced Plastic Tee	1,676.86	427.65
23 31 16 16-0122 EA 42" Fiber Reinforced Plastic Tee	2,237.95	475.15
23 31 16 16-0123 EA 48" Fiber Reinforced Plastic Tee	2,678.86	522.73
23 31 16 16-0124 EA 54" Fiber Reinforced Plastic Tee	3,225.35	633.73
23 31 16 16-0125 EA 60" Fiber Reinforced Plastic Tee	3,850.60	791.97
23 31 16 16-0126 EA 66" Fiber Reinforced Plastic Tee	4,475.35	949.86
23 31 16 16-0127 EA 72" Fiber Reinforced Plastic Tee	5,048.82	1,077.04
23 31 16 16-0128 Fiber Reinforced Plastic Lateral Joint (23 31 16 16-0001)		
23 31 16 16-0129 EA 2" Fiber Reinforced Plastic Lateral Joint	161.48	67.99
23 31 16 16-0130 EA 3" Fiber Reinforced Plastic Lateral Joint	189.50	81.89
23 31 16 16-0131 EA 4" Fiber Reinforced Plastic Lateral Joint	216.18	94.99
23 31 16 16-0132 EA 6" Fiber Reinforced Plastic Lateral Joint	273.84	126.66
23 31 16 16-0133 EA 8" Fiber Reinforced Plastic Lateral Joint	330.05	157.53
23 31 16 16-0134 EA 10" Fiber Reinforced Plastic Lateral Joint	395.21	190.86
23 31 16 16-0135 EA 12" Fiber Reinforced Plastic Lateral Joint	472.55	231.50
23 31 16 16-0136 EA 14" Fiber Reinforced Plastic Lateral Joint	513.27	250.15
23 31 16 16-0137 EA 16" Fiber Reinforced Plastic Lateral Joint	564.26	272.05
23 31 16 16-0138 EA 18" Fiber Reinforced Plastic Lateral Joint	611.29	291.58
23 31 16 16-0139 EA 20" Fiber Reinforced Plastic Lateral Joint	667.99	316.91
23 31 16 16-0140 EA 24" Fiber Reinforced Plastic Lateral Joint	739.73	348.40
23 31 16 16-0141 EA 30" Fiber Reinforced Plastic Lateral Joint	818.38	379.71
23 31 16 16-0142 EA 36" Fiber Reinforced Plastic Lateral Joint	924.42	427.39
23 31 16 16-0143 EA 42" Fiber Reinforced Plastic Lateral Joint	1,033.43	475.41
23 31 16 16-0144 EA 48" Fiber Reinforced Plastic Lateral Joint	1,135.98	522.55
23 31 16 16-0145 EA 54" Fiber Reinforced Plastic Lateral Joint	1,354.41	631.88
23 31 16 16-0146 EA 60" Fiber Reinforced Plastic Lateral Joint	1,647.65	793.37
23 31 16 16-0147 EA 66" Fiber Reinforced Plastic Lateral Joint	1,993.97	950.56
23 31 16 16-0148 EA 72" Fiber Reinforced Plastic Lateral Joint	2,228.89	1,077.04
23 31 16 16-0149 Fiber Reinforced Plastic One Piece Reducer (23 31 16 16-0001)		
23 31 16 16-0150 EA 2" Fiber Reinforced Plastic One Piece Reducer	138.69	45.65
23 31 16 16-0151 EA 3" Fiber Reinforced Plastic One Piece Reducer	163.13	54.54
23 31 16 16-0152 EA 4" Fiber Reinforced Plastic One Piece Reducer	192.36	63.33

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 16 16-0153	EA	6" Fiber Reinforced Plastic One Piece Reducer	246.78	84.44
23 31 16 16-0154	EA	8" Fiber Reinforced Plastic One Piece Reducer	296.42	105.55
23 31 16 16-0155	EA	10" Fiber Reinforced Plastic One Piece Reducer	356.55	127.18
23 31 16 16-0156	EA	12" Fiber Reinforced Plastic One Piece Reducer	421.63	157.53
23 31 16 16-0157	EA	14" Fiber Reinforced Plastic One Piece Reducer	451.42	166.76
23 31 16 16-0158	EA	16" Fiber Reinforced Plastic One Piece Reducer	499.36	181.01
23 31 16 16-0159	EA	18" Fiber Reinforced Plastic One Piece Reducer	550.50	194.38
23 31 16 16-0160	EA	20" Fiber Reinforced Plastic One Piece Reducer	616.95	211.10
23 31 16 16-0161	EA	24" Fiber Reinforced Plastic One Piece Reducer	705.63	232.47
23 31 16 16-0162	EA	30" Fiber Reinforced Plastic One Piece Reducer	794.04	253.76
23 31 16 16-0163	EA	36" Fiber Reinforced Plastic One Piece Reducer	899.64	285.24
23 31 16 16-0164	EA	42" Fiber Reinforced Plastic One Piece Reducer	1,005.42	316.91
23 31 16 16-0165	EA	48" Fiber Reinforced Plastic One Piece Reducer	1,135.01	348.40
23 31 16 16-0166	EA	54" Fiber Reinforced Plastic One Piece Reducer	1,342.36	422.19
23 31 16 16-0167	EA	60" Fiber Reinforced Plastic One Piece Reducer	1,595.40	527.74
23 31 16 16-0168	EA	66" Fiber Reinforced Plastic One Piece Reducer	1,776.19	631.88
23 31 16 16-0169	EA	72" Fiber Reinforced Plastic One Piece Reducer	1,992.39	718.17

23 31 16 16-0170 Fiber Reinforced Plastic Two Piece Reducer (23 31 16 16-0001)

23 31 16 16-0171	EA	2" Fiber Reinforced Plastic Two Piece Reducer	167.61	45.65
23 31 16 16-0172	EA	3" Fiber Reinforced Plastic Two Piece Reducer	182.41	54.54
23 31 16 16-0173	EA	4" Fiber Reinforced Plastic Two Piece Reducer	211.64	63.33
23 31 16 16-0174	EA	6" Fiber Reinforced Plastic Two Piece Reducer	273.29	84.44
23 31 16 16-0175	EA	8" Fiber Reinforced Plastic Two Piece Reducer	334.98	105.55
23 31 16 16-0176	EA	10" Fiber Reinforced Plastic Two Piece Reducer	397.53	127.18
23 31 16 16-0177	EA	12" Fiber Reinforced Plastic Two Piece Reducer	474.66	157.53
23 31 16 16-0178	EA	14" Fiber Reinforced Plastic Two Piece Reducer	518.91	166.76
23 31 16 16-0179	EA	16" Fiber Reinforced Plastic Two Piece Reducer	566.84	181.01
23 31 16 16-0180	EA	18" Fiber Reinforced Plastic Two Piece Reducer	642.09	194.38
23 31 16 16-0181	EA	20" Fiber Reinforced Plastic Two Piece Reducer	819.41	211.10
23 31 16 16-0182	EA	24" Fiber Reinforced Plastic Two Piece Reducer	1,002.08	232.47
23 31 16 16-0183	EA	30" Fiber Reinforced Plastic Two Piece Reducer	1,073.62	253.76
23 31 16 16-0184	EA	36" Fiber Reinforced Plastic Two Piece Reducer	1,222.60	285.24
23 31 16 16-0185	EA	42" Fiber Reinforced Plastic Two Piece Reducer	1,323.57	316.91
23 31 16 16-0186	EA	48" Fiber Reinforced Plastic Two Piece Reducer	1,448.33	348.40
23 31 16 16-0187	EA	54" Fiber Reinforced Plastic Two Piece Reducer	1,595.43	422.19
23 31 16 16-0188	EA	60" Fiber Reinforced Plastic Two Piece Reducer	1,834.01	527.74
23 31 16 16-0189	EA	66" Fiber Reinforced Plastic Two Piece Reducer	2,041.31	631.88
23 31 16 16-0190	EA	72" Fiber Reinforced Plastic Two Piece Reducer	2,233.41	718.17

23 31 16 16-0191 Fiber Reinforced Plastic Butterfly Dampers (23 31 16 16-0001)

23 31 16 16-0192	EA	2" Fiber Reinforced Plastic Damper	304.96	45.56
23 31 16 16-0193	EA	3" Fiber Reinforced Plastic Damper	343.84	54.44
23 31 16 16-0194	EA	4" Fiber Reinforced Plastic Damper	382.72	63.33
23 31 16 16-0195	EA	6" Fiber Reinforced Plastic Damper	454.06	84.44
23 31 16 16-0196	EA	8" Fiber Reinforced Plastic Damper	537.44	105.55
23 31 16 16-0197	EA	10" Fiber Reinforced Plastic Damper	608.79	126.66
23 31 16 16-0198	EA	12" Fiber Reinforced Plastic Damper	696.33	157.53
23 31 16 16-0199	EA	14" Fiber Reinforced Plastic Damper	772.05	166.76
23 31 16 16-0200	EA	16" Fiber Reinforced Plastic Damper	856.23	181.10
23 31 16 16-0201	EA	18" Fiber Reinforced Plastic Damper	938.31	194.21
23 31 16 16-0202	EA	20" Fiber Reinforced Plastic Damper	1,002.63	211.10
23 31 16 16-0203	EA	24" Fiber Reinforced Plastic Damper	1,134.23	232.21
23 31 16 16-0204	EA	30" Fiber Reinforced Plastic Damper	1,313.99	253.32
23 31 16 16-0205	EA	36" Fiber Reinforced Plastic Damper	1,511.43	284.98
23 31 16 16-0206	EA	42" Fiber Reinforced Plastic Damper	1,732.93	316.74
23 31 16 16-0207	EA	48" Fiber Reinforced Plastic Damper	1,930.37	348.40
23 31 16 16-0208	EA	54" Fiber Reinforced Plastic Damper	2,270.29	422.19
23 31 16 16-0209	EA	60" Fiber Reinforced Plastic Damper	2,663.12	527.74
23 31 16 16-0210	EA	66" Fiber Reinforced Plastic Damper	3,031.51	633.12
23 31 16 16-0211	EA	72" Fiber Reinforced Plastic Damper	3,485.42	717.47

23 33 Air Duct Accessories (23 30)**23 33 13 Dampers (23 33)****23 33 13 13 Volume-Control Dampers (23 33 13)****23 33 13 13-0001 Radial Opposed Blade Damper Steel Construction (23 33 13 13)**

23 33 13 13-0002	EA	6" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	48.61	8.26
		<i>For Stainless Steel, Add</i>	21.55	
		<i>For Parallel Blade Damper, Add</i>	6.63	
23 33 13 13-0003	EA	7" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	53.98	9.29
		<i>For Stainless Steel, Add</i>	21.87	
		<i>For Parallel Blade Damper, Add</i>	6.73	
23 33 13 13-0004	EA	8" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	60.19	10.32
		<i>For Stainless Steel, Add</i>	22.09	
		<i>For Parallel Blade Damper, Add</i>	6.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0005 EA 10" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	65.69	12.39
For Stainless Steel, Add	23.48	
For Parallel Blade Damper, Add	7.22	
23 33 13 13-0006 EA 12" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	72.19	13.41
For Stainless Steel, Add	24.86	
For Parallel Blade Damper, Add	7.65	
23 33 13 13-0007 EA 14" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	82.48	14.45
For Stainless Steel, Add	31.76	
For Parallel Blade Damper, Add	9.77	
23 33 13 13-0008 EA 15" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	90.61	15.48
For Stainless Steel, Add	34.52	
For Parallel Blade Damper, Add	10.62	
23 33 13 13-0009 EA 16" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	96.41	17.55
For Stainless Steel, Add	35.89	
For Parallel Blade Damper, Add	11.04	
23 33 13 13-0010 EA 18" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	105.10	18.57
For Stainless Steel, Add	40.04	
For Parallel Blade Damper, Add	12.32	
23 33 13 13-0011 EA 20" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	119.01	20.64
For Stainless Steel, Add	49.71	
For Parallel Blade Damper, Add	15.30	
23 33 13 13-0012 EA 24" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	127.98	20.64
For Stainless Steel, Add	56.60	
For Parallel Blade Damper, Add	17.42	
23 33 13 13-0013 EA 30" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	143.87	23.74
For Stainless Steel, Add	66.27	
For Parallel Blade Damper, Add	20.39	
23 33 13 13-0014 EA 36" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	153.32	24.77
For Stainless Steel, Add	72.22	
For Parallel Blade Damper, Add	22.22	
23 33 13 13-0015 Rectangular Opposed Blade Damper <small>(23 33 13 13)</small>		
23 33 13 13-0016 EA 6" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	73.00	11.46
For Stainless Steel, Add	50.22	
For Parallel Blade Damper, Add	15.45	
23 33 13 13-0017 EA 8" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	77.29	11.97
For Stainless Steel, Add	53.78	
For Parallel Blade Damper, Add	16.55	
23 33 13 13-0018 EA 8" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	80.26	12.07
For Stainless Steel, Add	57.37	
For Parallel Blade Damper, Add	17.65	
23 33 13 13-0019 EA 10" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	80.26	12.07
For Stainless Steel, Add	57.37	
For Parallel Blade Damper, Add	17.65	
23 33 13 13-0020 EA 10" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	84.06	12.39
For Stainless Steel, Add	60.97	
For Parallel Blade Damper, Add	18.76	
23 33 13 13-0021 EA 10" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	93.69	13.73
For Stainless Steel, Add	68.12	
For Parallel Blade Damper, Add	20.96	
23 33 13 13-0022 EA 12" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	84.06	12.39
For Stainless Steel, Add	60.97	
For Parallel Blade Damper, Add	18.76	
23 33 13 13-0023 EA 12" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	91.63	13.11
For Stainless Steel, Add	68.12	
For Parallel Blade Damper, Add	20.96	
23 33 13 13-0024 EA 12" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	96.47	13.73
For Stainless Steel, Add	71.73	
For Parallel Blade Damper, Add	22.07	
23 33 13 13-0025 EA 12" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	104.39	15.48
For Stainless Steel, Add	75.32	
For Parallel Blade Damper, Add	23.18	
23 33 13 13-0026 EA 14" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	90.27	13.11
For Stainless Steel, Add	66.35	
For Parallel Blade Damper, Add	20.42	
23 33 13 13-0027 EA 14" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	96.47	13.73
For Stainless Steel, Add	71.73	
For Parallel Blade Damper, Add	22.07	
23 33 13 13-0028 EA 14" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	101.29	14.45
For Stainless Steel, Add	75.32	
For Parallel Blade Damper, Add	23.18	
23 33 13 13-0029 EA 14" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	107.15	15.48
For Stainless Steel, Add	78.91	
For Parallel Blade Damper, Add	24.28	
23 33 13 13-0030 EA 14" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	119.20	17.24
For Stainless Steel, Add	87.87	
For Parallel Blade Damper, Add	27.04	
23 33 13 13-0031 EA 16" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	96.47	13.73
For Stainless Steel, Add	71.73	
For Parallel Blade Damper, Add	22.07	
23 33 13 13-0032 EA 16" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	102.33	14.76
For Stainless Steel, Add	75.32	
For Parallel Blade Damper, Add	23.18	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0033 EA 16" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	109.22	16.21
For Stainless Steel, Add	78.91	
For Parallel Blade Damper, Add	24.28	
23 33 13 13-0034 EA 16" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	115.06	17.24
For Stainless Steel, Add	82.49	
For Parallel Blade Damper, Add	25.38	
23 33 13 13-0035 EA 16" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	127.14	18.89
For Stainless Steel, Add	91.48	
For Parallel Blade Damper, Add	28.15	
23 33 13 13-0036 EA 16" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	139.20	20.65
For Stainless Steel, Add	100.44	
For Parallel Blade Damper, Add	30.90	
23 33 13 13-0037 EA 18" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	101.29	14.45
For Stainless Steel, Add	75.32	
For Parallel Blade Damper, Add	23.18	
23 33 13 13-0038 EA 18" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	108.52	15.48
For Stainless Steel, Add	80.69	
For Parallel Blade Damper, Add	24.83	
23 33 13 13-0039 EA 18" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	117.84	17.24
For Stainless Steel, Add	86.10	
For Parallel Blade Damper, Add	26.49	
23 33 13 13-0040 EA 18" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	129.90	18.89
For Stainless Steel, Add	95.07	
For Parallel Blade Damper, Add	29.25	
23 33 13 13-0041 EA 18" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	140.58	20.65
For Stainless Steel, Add	102.23	
For Parallel Blade Damper, Add	31.46	
23 33 13 13-0042 EA 18" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	152.62	22.30
For Stainless Steel, Add	111.18	
For Parallel Blade Damper, Add	34.21	
23 33 13 13-0043 EA 18" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	161.92	24.05
For Stainless Steel, Add	116.57	
For Parallel Blade Damper, Add	35.87	
23 33 13 13-0044 EA 20" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	107.15	15.48
For Stainless Steel, Add	78.91	
For Parallel Blade Damper, Add	24.28	
23 33 13 13-0045 EA 20" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	117.82	17.24
For Stainless Steel, Add	86.07	
For Parallel Blade Damper, Add	26.48	
23 33 13 13-0046 EA 20" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	128.50	18.89
For Stainless Steel, Add	93.25	
For Parallel Blade Damper, Add	28.69	
23 33 13 13-0047 EA 20" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	144.72	20.65
For Stainless Steel, Add	107.61	
For Parallel Blade Damper, Add	33.11	
23 33 13 13-0048 EA 20" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	154.02	22.30
For Stainless Steel, Add	113.00	
For Parallel Blade Damper, Add	34.77	
23 33 13 13-0049 EA 20" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	163.32	24.05
For Stainless Steel, Add	118.39	
For Parallel Blade Damper, Add	36.43	
23 33 13 13-0050 EA 20" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	173.99	25.81
For Stainless Steel, Add	125.54	
For Parallel Blade Damper, Add	38.63	
23 33 13 13-0051 EA 20" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	184.66	27.46
For Stainless Steel, Add	132.70	
For Parallel Blade Damper, Add	40.83	
23 33 13 13-0052 EA 24" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	120.58	17.24
For Stainless Steel, Add	89.66	
For Parallel Blade Damper, Add	27.59	
23 33 13 13-0053 EA 24" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	134.03	18.89
For Stainless Steel, Add	100.44	
For Parallel Blade Damper, Add	30.90	
23 33 13 13-0054 EA 24" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	144.72	20.65
For Stainless Steel, Add	107.61	
For Parallel Blade Damper, Add	33.11	
23 33 13 13-0055 EA 24" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	158.17	22.30
For Stainless Steel, Add	118.39	
For Parallel Blade Damper, Add	36.43	
23 33 13 13-0056 EA 24" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	167.44	24.05
For Stainless Steel, Add	123.75	
For Parallel Blade Damper, Add	38.08	
23 33 13 13-0057 EA 24" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	176.75	25.81
For Stainless Steel, Add	129.13	
For Parallel Blade Damper, Add	39.73	
23 33 13 13-0058 EA 24" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	190.18	27.46
For Stainless Steel, Add	139.88	
For Parallel Blade Damper, Add	43.04	
23 33 13 13-0059 EA 24" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	208.77	30.96
For Stainless Steel, Add	150.63	
For Parallel Blade Damper, Add	46.35	
23 33 13 13-0060 EA 24" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	230.16	34.37
For Stainless Steel, Add	165.01	
For Parallel Blade Damper, Add	50.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0061 EA 28" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	134.03	18.89
For Stainless Steel, Add	100.44	
For Parallel Blade Damper, Add	30.90	
23 33 13 13-0062 EA 28" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	144.72	20.65
For Stainless Steel, Add	107.61	
For Parallel Blade Damper, Add	33.11	
23 33 13 13-0063 EA 28" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	158.17	22.30
For Stainless Steel, Add	118.39	
For Parallel Blade Damper, Add	36.43	
23 33 13 13-0064 EA 28" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	168.82	24.05
For Stainless Steel, Add	125.54	
For Parallel Blade Damper, Add	38.63	
23 33 13 13-0065 EA 28" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	180.88	25.81
For Stainless Steel, Add	134.50	
For Parallel Blade Damper, Add	41.38	
23 33 13 13-0066 EA 28" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	192.92	27.46
For Stainless Steel, Add	143.44	
For Parallel Blade Damper, Add	44.14	
23 33 13 13-0067 EA 28" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	211.53	30.96
For Stainless Steel, Add	154.22	
For Parallel Blade Damper, Add	47.45	
23 33 13 13-0068 EA 28" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	230.16	34.37
For Stainless Steel, Add	165.01	
For Parallel Blade Damper, Add	50.77	
23 33 13 13-0069 EA 28" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	251.86	36.13
For Stainless Steel, Add	186.51	
For Parallel Blade Damper, Add	57.39	
23 33 13 13-0070 EA 28" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	275.97	39.53
For Stainless Steel, Add	204.44	
For Parallel Blade Damper, Add	62.90	
23 33 13 13-0071 EA 32" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	153.01	20.65
For Stainless Steel, Add	118.39	
For Parallel Blade Damper, Add	36.43	
23 33 13 13-0072 EA 32" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	160.91	22.30
For Stainless Steel, Add	121.95	
For Parallel Blade Damper, Add	37.52	
23 33 13 13-0073 EA 32" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	168.82	24.05
For Stainless Steel, Add	125.54	
For Parallel Blade Damper, Add	38.63	
23 33 13 13-0074 EA 32" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	179.50	25.81
For Stainless Steel, Add	132.70	
For Parallel Blade Damper, Add	40.83	
23 33 13 13-0075 EA 32" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	193.46	27.46
For Stainless Steel, Add	144.14	
For Parallel Blade Damper, Add	44.35	
23 33 13 13-0076 EA 32" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	211.53	30.96
For Stainless Steel, Add	154.22	
For Parallel Blade Damper, Add	47.45	
23 33 13 13-0077 EA 32" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	232.93	34.37
For Stainless Steel, Add	168.61	
For Parallel Blade Damper, Add	51.88	
23 33 13 13-0078 EA 32" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	254.26	37.78
For Stainless Steel, Add	182.94	
For Parallel Blade Damper, Add	56.29	
23 33 13 13-0079 EA 32" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	275.97	39.53
For Stainless Steel, Add	204.44	
For Parallel Blade Damper, Add	62.90	
23 33 13 13-0080 EA 32" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	303.55	42.32
For Stainless Steel, Add	229.57	
For Parallel Blade Damper, Add	70.64	
23 33 13 13-0081 EA 32" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	332.86	44.70
For Stainless Steel, Add	258.27	
For Parallel Blade Damper, Add	79.47	
23 33 13 13-0082 EA 36" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	166.43	22.30
For Stainless Steel, Add	129.13	
For Parallel Blade Damper, Add	39.73	
23 33 13 13-0083 EA 36" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	177.09	24.05
For Stainless Steel, Add	136.29	
For Parallel Blade Damper, Add	41.94	
23 33 13 13-0084 EA 36" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	187.76	25.81
For Stainless Steel, Add	143.44	
For Parallel Blade Damper, Add	44.14	
23 33 13 13-0085 EA 36" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	201.21	27.46
For Stainless Steel, Add	154.22	
For Parallel Blade Damper, Add	47.45	
23 33 13 13-0086 EA 36" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	215.69	30.96
For Stainless Steel, Add	159.63	
For Parallel Blade Damper, Add	49.12	
23 33 13 13-0087 EA 36" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	224.99	32.62
For Stainless Steel, Add	165.01	
For Parallel Blade Damper, Add	50.77	
23 33 13 13-0088 EA 36" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	254.26	37.78
For Stainless Steel, Add	182.94	
For Parallel Blade Damper, Add	56.29	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0089 EA 36" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	278.36	41.29
For Stainless Steel, Add	200.84	
For Parallel Blade Damper, Add	61.80	
23 33 13 13-0090 EA 36" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	299.07	42.64
For Stainless Steel, Add	222.39	
For Parallel Blade Damper, Add	68.43	
23 33 13 13-0091 EA 36" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	330.41	45.73
For Stainless Steel, Add	251.06	
For Parallel Blade Damper, Add	77.25	
23 33 13 13-0092 EA 36" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	356.96	48.11
For Stainless Steel, Add	276.17	
For Parallel Blade Damper, Add	84.98	
23 33 13 13-0093 EA 36" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	384.19	49.85
For Stainless Steel, Add	304.86	
For Parallel Blade Damper, Add	93.80	
23 33 13 13-0094 EA 40" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	174.33	25.81
For Stainless Steel, Add	132.70	
For Parallel Blade Damper, Add	40.83	
23 33 13 13-0095 EA 40" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	190.52	27.46
For Stainless Steel, Add	147.03	
For Parallel Blade Damper, Add	45.24	
23 33 13 13-0096 EA 40" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	198.45	29.22
For Stainless Steel, Add	150.63	
For Parallel Blade Damper, Add	46.35	
23 33 13 13-0097 EA 40" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	206.37	30.96
For Stainless Steel, Add	154.22	
For Parallel Blade Damper, Add	47.45	
23 33 13 13-0098 EA 40" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	226.36	32.62
For Stainless Steel, Add	166.79	
For Parallel Blade Damper, Add	51.32	
23 33 13 13-0099 EA 40" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	241.19	34.37
For Stainless Steel, Add	179.35	
For Parallel Blade Damper, Add	55.18	
23 33 13 13-0100 EA 40" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	267.70	39.53
For Stainless Steel, Add	193.69	
For Parallel Blade Damper, Add	59.60	
23 33 13 13-0101 EA 40" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	289.07	42.94
For Stainless Steel, Add	208.05	
For Parallel Blade Damper, Add	64.02	
23 33 13 13-0102 EA 40" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	313.88	45.73
For Stainless Steel, Add	229.57	
For Parallel Blade Damper, Add	70.64	
23 33 13 13-0103 EA 40" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	351.45	48.11
For Stainless Steel, Add	269.01	
For Parallel Blade Damper, Add	82.77	
23 33 13 13-0104 EA 40" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	376.24	50.89
For Stainless Steel, Add	290.51	
For Parallel Blade Damper, Add	89.39	
23 33 13 13-0105 EA 40" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	410.73	52.23
For Stainless Steel, Add	329.98	
For Parallel Blade Damper, Add	101.53	
23 33 13 13-0106 EA 40" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	446.59	55.02
For Stainless Steel, Add	365.86	
For Parallel Blade Damper, Add	112.57	
23 33 13 13-0107 EA 44" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	185.02	25.81
For Stainless Steel, Add	139.88	
For Parallel Blade Damper, Add	43.04	
23 33 13 13-0108 EA 44" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	201.21	27.46
For Stainless Steel, Add	154.22	
For Parallel Blade Damper, Add	47.45	
23 33 13 13-0109 EA 44" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	214.67	29.22
For Stainless Steel, Add	165.01	
For Parallel Blade Damper, Add	50.77	
23 33 13 13-0110 EA 44" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	222.60	30.96
For Stainless Steel, Add	168.61	
For Parallel Blade Damper, Add	51.88	
23 33 13 13-0111 EA 44" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	238.78	32.62
For Stainless Steel, Add	182.94	
For Parallel Blade Damper, Add	56.29	
23 33 13 13-0112 EA 44" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	254.98	34.37
For Stainless Steel, Add	197.28	
For Parallel Blade Damper, Add	60.70	
23 33 13 13-0113 EA 44" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	289.43	41.29
For Stainless Steel, Add	215.23	
For Parallel Blade Damper, Add	66.22	
23 33 13 13-0114 EA 44" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	313.52	44.70
For Stainless Steel, Add	233.13	
For Parallel Blade Damper, Add	71.73	
23 33 13 13-0115 EA 44" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	351.45	48.11
For Stainless Steel, Add	269.01	
For Parallel Blade Damper, Add	82.77	
23 33 13 13-0116 EA 44" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	386.60	51.61
For Stainless Steel, Add	301.30	
For Parallel Blade Damper, Add	92.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0117 EA 44" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	424.49	55.02
For Stainless Steel, Add	337.13	
For Parallel Blade Damper, Add	103.73	
23 33 13 13-0118 EA 44" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	454.49	56.67
For Stainless Steel, Add	369.42	
For Parallel Blade Damper, Add	113.67	
23 33 13 13-0119 EA 44" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	484.49	58.42
For Stainless Steel, Add	401.71	
For Parallel Blade Damper, Add	123.60	
23 33 13 13-0120 EA 44" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	514.49	60.18
For Stainless Steel, Add	434.01	
For Parallel Blade Damper, Add	133.54	
23 33 13 13-0121 EA 48" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	198.45	27.46
For Stainless Steel, Add	150.63	
For Parallel Blade Damper, Add	46.35	
23 33 13 13-0122 EA 48" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	214.67	29.22
For Stainless Steel, Add	165.01	
For Parallel Blade Damper, Add	50.77	
23 33 13 13-0123 EA 48" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	222.60	30.96
For Stainless Steel, Add	168.61	
For Parallel Blade Damper, Add	51.88	
23 33 13 13-0124 EA 48" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	241.19	34.37
For Stainless Steel, Add	179.35	
For Parallel Blade Damper, Add	55.18	
23 33 13 13-0125 EA 48" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	262.53	37.78
For Stainless Steel, Add	193.69	
For Parallel Blade Damper, Add	59.60	
23 33 13 13-0126 EA 48" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	283.91	41.29
For Stainless Steel, Add	208.05	
For Parallel Blade Damper, Add	64.02	
23 33 13 13-0127 EA 48" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	310.78	44.70
For Stainless Steel, Add	229.57	
For Parallel Blade Damper, Add	70.64	
23 33 13 13-0128 EA 48" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	337.64	48.11
For Stainless Steel, Add	251.06	
For Parallel Blade Damper, Add	77.25	
23 33 13 13-0129 EA 48" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	372.79	51.61
For Stainless Steel, Add	283.35	
For Parallel Blade Damper, Add	87.18	
23 33 13 13-0130 EA 48" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	413.46	55.02
For Stainless Steel, Add	322.79	
For Parallel Blade Damper, Add	99.32	
23 33 13 13-0131 EA 48" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	443.48	56.67
For Stainless Steel, Add	355.11	
For Parallel Blade Damper, Add	109.26	
23 33 13 13-0132 EA 48" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	481.73	58.42
For Stainless Steel, Add	398.13	
For Parallel Blade Damper, Add	122.50	
23 33 13 13-0133 EA 48" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	516.90	61.83
For Stainless Steel, Add	430.42	
For Parallel Blade Damper, Add	132.44	
23 33 13 13-0134 EA 48" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	555.15	63.59
For Stainless Steel, Add	473.45	
For Parallel Blade Damper, Add	145.68	
23 33 13 13-0135 EA 48" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	592.72	68.75
For Stainless Steel, Add	502.15	
For Parallel Blade Damper, Add	154.51	
23 33 13 13-0136 EA 52" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	211.91	29.22
For Stainless Steel, Add	161.42	
For Parallel Blade Damper, Add	49.67	
23 33 13 13-0137 EA 52" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	228.10	30.96
For Stainless Steel, Add	175.76	
For Parallel Blade Damper, Add	54.08	
23 33 13 13-0138 EA 52" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	249.46	34.37
For Stainless Steel, Add	190.10	
For Parallel Blade Damper, Add	58.49	
23 33 13 13-0139 EA 52" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	262.53	37.78
For Stainless Steel, Add	193.69	
For Parallel Blade Damper, Add	59.60	
23 33 13 13-0140 EA 52" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	285.29	41.29
For Stainless Steel, Add	209.85	
For Parallel Blade Damper, Add	64.57	
23 33 13 13-0141 EA 52" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	308.02	44.70
For Stainless Steel, Add	225.98	
For Parallel Blade Damper, Add	69.53	
23 33 13 13-0142 EA 52" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	334.90	48.11
For Stainless Steel, Add	247.49	
For Parallel Blade Damper, Add	76.15	
23 33 13 13-0143 EA 52" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	361.76	51.61
For Stainless Steel, Add	269.01	
For Parallel Blade Damper, Add	82.77	
23 33 13 13-0144 EA 52" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	396.93	55.02
For Stainless Steel, Add	301.30	
For Parallel Blade Damper, Add	92.71	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0145 EA 52" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	440.34	58.42
For Stainless Steel, Add	344.32	
For Parallel Blade Damper, Add	105.94	
23 33 13 13-0146 EA 52" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	473.08	60.18
For Stainless Steel, Add	380.17	
For Parallel Blade Damper, Add	116.98	
23 33 13 13-0147 EA 52" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	514.13	61.83
For Stainless Steel, Add	426.82	
For Parallel Blade Damper, Add	131.33	
23 33 13 13-0148 EA 52" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	557.53	65.34
For Stainless Steel, Add	469.83	
For Parallel Blade Damper, Add	144.56	
23 33 13 13-0149 EA 52" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	592.72	68.75
For Stainless Steel, Add	502.15	
For Parallel Blade Damper, Add	154.51	
23 33 13 13-0150 EA 52" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	641.30	73.91
For Stainless Steel, Add	545.18	
For Parallel Blade Damper, Add	167.75	
23 33 13 13-0151 EA 52" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	679.22	77.31
For Stainless Steel, Add	581.06	
For Parallel Blade Damper, Add	178.79	
23 33 13 13-0152 EA 56" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	222.60	30.96
For Stainless Steel, Add	168.61	
For Parallel Blade Damper, Add	51.88	
23 33 13 13-0153 EA 56" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	246.70	34.37
For Stainless Steel, Add	186.51	
For Parallel Blade Damper, Add	57.39	
23 33 13 13-0154 EA 56" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	265.29	37.78
For Stainless Steel, Add	197.28	
For Parallel Blade Damper, Add	60.70	
23 33 13 13-0155 EA 56" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	278.36	41.29
For Stainless Steel, Add	200.84	
For Parallel Blade Damper, Add	61.80	
23 33 13 13-0156 EA 56" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	303.88	44.70
For Stainless Steel, Add	220.60	
For Parallel Blade Damper, Add	67.88	
23 33 13 13-0157 EA 56" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	329.38	48.11
For Stainless Steel, Add	240.32	
For Parallel Blade Damper, Add	73.94	
23 33 13 13-0158 EA 56" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	354.86	51.61
For Stainless Steel, Add	260.04	
For Parallel Blade Damper, Add	80.01	
23 33 13 13-0159 EA 56" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	380.36	55.02
For Stainless Steel, Add	279.76	
For Parallel Blade Damper, Add	86.08	
23 33 13 13-0160 EA 56" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	423.78	58.42
For Stainless Steel, Add	322.79	
For Parallel Blade Damper, Add	99.32	
23 33 13 13-0161 EA 56" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	462.07	60.18
For Stainless Steel, Add	365.86	
For Parallel Blade Damper, Add	112.57	
23 33 13 13-0162 EA 56" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	497.58	61.83
For Stainless Steel, Add	405.30	
For Parallel Blade Damper, Add	124.71	
23 33 13 13-0163 EA 56" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	546.52	65.34
For Stainless Steel, Add	455.52	
For Parallel Blade Damper, Add	140.16	
23 33 13 13-0164 EA 56" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	589.95	68.75
For Stainless Steel, Add	498.55	
For Parallel Blade Damper, Add	153.40	
23 33 13 13-0165 EA 56" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	636.14	72.15
For Stainless Steel, Add	545.18	
For Parallel Blade Damper, Add	167.75	
23 33 13 13-0166 EA 56" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	674.07	75.66
For Stainless Steel, Add	581.06	
For Parallel Blade Damper, Add	178.79	
23 33 13 13-0167 EA 56" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	720.25	79.07
For Stainless Steel, Add	627.69	
For Parallel Blade Damper, Add	193.14	
23 33 13 13-0168 EA 56" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	766.44	82.48
For Stainless Steel, Add	674.31	
For Parallel Blade Damper, Add	207.48	
23 33 13 13-0169 EA 60" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	241.19	34.37
For Stainless Steel, Add	179.35	
For Parallel Blade Damper, Add	55.18	
23 33 13 13-0170 EA 60" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	265.29	37.78
For Stainless Steel, Add	197.28	
For Parallel Blade Damper, Add	60.70	
23 33 13 13-0171 EA 60" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	281.13	41.29
For Stainless Steel, Add	204.44	
For Parallel Blade Damper, Add	62.90	
23 33 13 13-0172 EA 60" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	294.23	44.70
For Stainless Steel, Add	208.05	
For Parallel Blade Damper, Add	64.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0173 EA 60" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	321.11	48.11
<i>For Stainless Steel, Add</i>	229.57	
<i>For Parallel Blade Damper, Add</i>	70.64	
23 33 13 13-0174 EA 60" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	347.95	51.61
<i>For Stainless Steel, Add</i>	251.06	
<i>For Parallel Blade Damper, Add</i>	77.25	
23 33 13 13-0175 EA 60" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	376.22	55.02
<i>For Stainless Steel, Add</i>	274.38	
<i>For Parallel Blade Damper, Add</i>	84.42	
23 33 13 13-0176 EA 60" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	404.47	58.42
<i>For Stainless Steel, Add</i>	297.69	
<i>For Parallel Blade Damper, Add</i>	91.60	
23 33 13 13-0177 EA 60" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	445.50	60.18
<i>For Stainless Steel, Add</i>	344.32	
<i>For Parallel Blade Damper, Add</i>	105.94	
23 33 13 13-0178 EA 60" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	483.77	61.83
<i>For Stainless Steel, Add</i>	387.35	
<i>For Parallel Blade Damper, Add</i>	119.18	
23 33 13 13-0179 EA 60" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	529.97	65.34
<i>For Stainless Steel, Add</i>	434.01	
<i>For Parallel Blade Damper, Add</i>	133.54	
23 33 13 13-0180 EA 60" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	576.16	68.75
<i>For Stainless Steel, Add</i>	480.62	
<i>For Parallel Blade Damper, Add</i>	147.88	
23 33 13 13-0181 EA 60" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	614.06	72.15
<i>For Stainless Steel, Add</i>	516.48	
<i>For Parallel Blade Damper, Add</i>	158.92	
23 33 13 13-0182 EA 60" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	668.53	75.66
<i>For Stainless Steel, Add</i>	573.86	
<i>For Parallel Blade Damper, Add</i>	176.57	
23 33 13 13-0183 EA 60" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	717.47	79.07
<i>For Stainless Steel, Add</i>	624.08	
<i>For Parallel Blade Damper, Add</i>	192.02	
23 33 13 13-0184 EA 60" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	766.44	82.48
<i>For Stainless Steel, Add</i>	674.31	
<i>For Parallel Blade Damper, Add</i>	207.48	
23 33 13 13-0185 EA 60" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	809.83	85.99
<i>For Stainless Steel, Add</i>	717.30	
<i>For Parallel Blade Damper, Add</i>	220.71	
23 33 13 13-0186 EA 60" x 60" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	853.30	89.39
<i>For Stainless Steel, Add</i>	760.38	
<i>For Parallel Blade Damper, Add</i>	233.96	

23 33 13 16 Fire Dampers (23 33 13)

23 33 13 16-0001 Fire Dampers (23 33 13 16)

23 33 13 16-0002 SF Fire Damper, Vertical Curtain Type	59.02	11.15
<i>For Smoke Damper, Add</i>	21.65	
<i>For Horizontal, Add</i>	3.82	
<i>For Dynamic Damper, Add</i>	5.73	
<i>For 3 Hour Rated, Add</i>	5.09	
23 33 13 16-0003 SF Fire Damper, Vertical Louver Type	72.92	11.15
<i>For Smoke Damper, Add</i>	33.46	
<i>For Horizontal, Add</i>	5.91	
<i>For Dynamic Damper, Add</i>	8.86	
<i>For 3 Hour Rated, Add</i>	7.87	

23 33 13 16-0004 Folding Curtain Fire Dampers (23 33 13 16)

Note: UL Listed. Air stream galvanized steel construction with fusible link 160 F spring actuated for horizontal mount gravity actuated for vertical mount 1-1/2 hour fire rating. Damper blades and damper frame are in the air stream.

23 33 13 16-0005 EA 6" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	50.77	11.46
<i>For Horizontal, Add</i>	2.46	
<i>For Dynamic Damper, Add</i>	3.69	
<i>For 3 Hour Rated, Add</i>	3.28	
<i>For Damper Blades Outside Air Stream, Add</i>	4.92	
23 33 13 16-0006 EA 8" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	53.48	11.97
<i>For Horizontal, Add</i>	2.63	
<i>For Dynamic Damper, Add</i>	3.95	
<i>For 3 Hour Rated, Add</i>	3.51	
<i>For Damper Blades Outside Air Stream, Add</i>	5.27	
23 33 13 16-0007 EA 8" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	54.87	12.07
<i>For Horizontal, Add</i>	2.81	
<i>For Dynamic Damper, Add</i>	4.22	
<i>For 3 Hour Rated, Add</i>	3.75	
<i>For Damper Blades Outside Air Stream, Add</i>	5.62	
23 33 13 16-0008 EA 10" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	54.87	12.07
<i>For Horizontal, Add</i>	2.81	
<i>For Dynamic Damper, Add</i>	4.22	
<i>For 3 Hour Rated, Add</i>	3.75	
<i>For Damper Blades Outside Air Stream, Add</i>	5.62	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0009	EA		10" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	57.07	12.39
			<i>For Horizontal, Add</i>	2.99	
			<i>For Dynamic Damper, Add</i>	4.48	
			<i>For 3 Hour Rated, Add</i>	3.98	
			<i>For Damper Blades Outside Air Stream, Add</i>	5.97	
23 33 13 16-0010	EA		10" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	63.54	13.73
			<i>For Horizontal, Add</i>	3.34	
			<i>For Dynamic Damper, Add</i>	5.01	
			<i>For 3 Hour Rated, Add</i>	4.45	
			<i>For Damper Blades Outside Air Stream, Add</i>	6.68	
23 33 13 16-0011	EA		12" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	57.07	12.39
			<i>For Horizontal, Add</i>	2.99	
			<i>For Dynamic Damper, Add</i>	4.48	
			<i>For 3 Hour Rated, Add</i>	3.98	
			<i>For Damper Blades Outside Air Stream, Add</i>	5.97	
23 33 13 16-0012	EA		12" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	61.48	13.11
			<i>For Horizontal, Add</i>	3.34	
			<i>For Dynamic Damper, Add</i>	5.01	
			<i>For 3 Hour Rated, Add</i>	4.45	
			<i>For Damper Blades Outside Air Stream, Add</i>	6.68	
23 33 13 16-0013	EA		12" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	64.71	13.73
			<i>For Horizontal, Add</i>	3.51	
			<i>For Dynamic Damper, Add</i>	5.27	
			<i>For 3 Hour Rated, Add</i>	4.68	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.03	
23 33 13 16-0014	EA		12" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	71.05	15.48
			<i>For Horizontal, Add</i>	3.69	
			<i>For Dynamic Damper, Add</i>	5.54	
			<i>For 3 Hour Rated, Add</i>	4.92	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.38	
23 33 13 16-0015	EA		14" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	60.90	13.11
			<i>For Horizontal, Add</i>	3.25	
			<i>For Dynamic Damper, Add</i>	4.88	
			<i>For 3 Hour Rated, Add</i>	4.33	
			<i>For Damper Blades Outside Air Stream, Add</i>	6.50	
23 33 13 16-0016	EA		14" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	64.71	13.73
			<i>For Horizontal, Add</i>	3.51	
			<i>For Dynamic Damper, Add</i>	5.27	
			<i>For 3 Hour Rated, Add</i>	4.68	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.03	
23 33 13 16-0017	EA		14" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	67.95	14.45
			<i>For Horizontal, Add</i>	3.69	
			<i>For Dynamic Damper, Add</i>	5.54	
			<i>For 3 Hour Rated, Add</i>	4.92	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.38	
23 33 13 16-0018	EA		14" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	72.22	15.48
			<i>For Horizontal, Add</i>	3.87	
			<i>For Dynamic Damper, Add</i>	5.80	
			<i>For 3 Hour Rated, Add</i>	5.15	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.73	
23 33 13 16-0019	EA		14" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	80.31	17.24
			<i>For Horizontal, Add</i>	4.31	
			<i>For Dynamic Damper, Add</i>	6.46	
			<i>For 3 Hour Rated, Add</i>	5.74	
			<i>For Damper Blades Outside Air Stream, Add</i>	8.61	
23 33 13 16-0020	EA		16" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	64.71	13.73
			<i>For Horizontal, Add</i>	3.51	
			<i>For Dynamic Damper, Add</i>	5.27	
			<i>For 3 Hour Rated, Add</i>	4.68	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.03	
23 33 13 16-0021	EA		16" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	68.99	14.76
			<i>For Horizontal, Add</i>	3.69	
			<i>For Dynamic Damper, Add</i>	5.54	
			<i>For 3 Hour Rated, Add</i>	4.92	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.38	
23 33 13 16-0022	EA		16" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	74.29	16.21
			<i>For Horizontal, Add</i>	3.87	
			<i>For Dynamic Damper, Add</i>	5.80	
			<i>For 3 Hour Rated, Add</i>	5.15	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.73	
23 33 13 16-0023	EA		16" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	78.54	17.24
			<i>For Horizontal, Add</i>	4.04	
			<i>For Dynamic Damper, Add</i>	6.06	
			<i>For 3 Hour Rated, Add</i>	5.39	
			<i>For Damper Blades Outside Air Stream, Add</i>	8.08	
23 33 13 16-0024	EA		16" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	86.64	18.89
			<i>For Horizontal, Add</i>	4.48	
			<i>For Dynamic Damper, Add</i>	6.72	
			<i>For 3 Hour Rated, Add</i>	5.97	
			<i>For Damper Blades Outside Air Stream, Add</i>	8.96	
23 33 13 16-0025	EA		16" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	94.74	20.65
			<i>For Horizontal, Add</i>	4.92	
			<i>For Dynamic Damper, Add</i>	7.38	
			<i>For 3 Hour Rated, Add</i>	6.56	
			<i>For Damper Blades Outside Air Stream, Add</i>	9.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0026 EA 18" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	67.95	14.45
<i>For Horizontal, Add</i>	3.69	
<i>For Dynamic Damper, Add</i>	5.54	
<i>For 3 Hour Rated, Add</i>	4.92	
<i>For Damper Blades Outside Air Stream, Add</i>	7.38	
23 33 13 16-0027 EA 18" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	72.80	15.48
<i>For Horizontal, Add</i>	3.95	
<i>For Dynamic Damper, Add</i>	5.93	
<i>For 3 Hour Rated, Add</i>	5.27	
<i>For Damper Blades Outside Air Stream, Add</i>	7.91	
23 33 13 16-0028 EA 18" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	79.73	17.24
<i>For Horizontal, Add</i>	4.22	
<i>For Dynamic Damper, Add</i>	6.33	
<i>For 3 Hour Rated, Add</i>	5.62	
<i>For Damper Blades Outside Air Stream, Add</i>	8.44	
23 33 13 16-0029 EA 18" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	87.81	18.89
<i>For Horizontal, Add</i>	4.66	
<i>For Dynamic Damper, Add</i>	6.98	
<i>For 3 Hour Rated, Add</i>	6.21	
<i>For Damper Blades Outside Air Stream, Add</i>	9.31	
23 33 13 16-0030 EA 18" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	95.32	20.65
<i>For Horizontal, Add</i>	5.01	
<i>For Dynamic Damper, Add</i>	7.51	
<i>For 3 Hour Rated, Add</i>	6.68	
<i>For Damper Blades Outside Air Stream, Add</i>	10.01	
23 33 13 16-0031 EA 18" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	103.41	22.30
<i>For Horizontal, Add</i>	5.45	
<i>For Dynamic Damper, Add</i>	8.17	
<i>For 3 Hour Rated, Add</i>	7.26	
<i>For Damper Blades Outside Air Stream, Add</i>	10.89	
23 33 13 16-0032 EA 18" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	110.32	24.05
<i>For Horizontal, Add</i>	5.71	
<i>For Dynamic Damper, Add</i>	8.57	
<i>For 3 Hour Rated, Add</i>	7.61	
<i>For Damper Blades Outside Air Stream, Add</i>	11.42	
23 33 13 16-0033 EA 20" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	72.22	15.48
<i>For Horizontal, Add</i>	3.87	
<i>For Dynamic Damper, Add</i>	5.80	
<i>For 3 Hour Rated, Add</i>	5.15	
<i>For Damper Blades Outside Air Stream, Add</i>	7.73	
23 33 13 16-0034 EA 20" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	79.72	17.24
<i>For Horizontal, Add</i>	4.22	
<i>For Dynamic Damper, Add</i>	6.32	
<i>For 3 Hour Rated, Add</i>	5.62	
<i>For Damper Blades Outside Air Stream, Add</i>	8.43	
23 33 13 16-0035 EA 20" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	87.22	18.89
<i>For Horizontal, Add</i>	4.57	
<i>For Dynamic Damper, Add</i>	6.85	
<i>For 3 Hour Rated, Add</i>	6.09	
<i>For Damper Blades Outside Air Stream, Add</i>	9.14	
23 33 13 16-0036 EA 20" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	97.09	20.65
<i>For Horizontal, Add</i>	5.27	
<i>For Dynamic Damper, Add</i>	7.91	
<i>For 3 Hour Rated, Add</i>	7.03	
<i>For Damper Blades Outside Air Stream, Add</i>	10.55	
23 33 13 16-0037 EA 20" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	104.00	22.30
<i>For Horizontal, Add</i>	5.54	
<i>For Dynamic Damper, Add</i>	8.30	
<i>For 3 Hour Rated, Add</i>	7.38	
<i>For Damper Blades Outside Air Stream, Add</i>	11.07	
23 33 13 16-0038 EA 20" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	110.91	24.05
<i>For Horizontal, Add</i>	5.80	
<i>For Dynamic Damper, Add</i>	8.70	
<i>For 3 Hour Rated, Add</i>	7.73	
<i>For Damper Blades Outside Air Stream, Add</i>	11.60	
23 33 13 16-0039 EA 20" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	118.42	25.81
<i>For Horizontal, Add</i>	6.15	
<i>For Dynamic Damper, Add</i>	9.23	
<i>For 3 Hour Rated, Add</i>	8.20	
<i>For Damper Blades Outside Air Stream, Add</i>	12.30	
23 33 13 16-0040 EA 20" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	125.91	27.46
<i>For Horizontal, Add</i>	6.50	
<i>For Dynamic Damper, Add</i>	9.75	
<i>For 3 Hour Rated, Add</i>	8.67	
<i>For Damper Blades Outside Air Stream, Add</i>	13.00	
23 33 13 16-0041 EA 24" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	80.89	17.24
<i>For Horizontal, Add</i>	4.39	
<i>For Dynamic Damper, Add</i>	6.59	
<i>For 3 Hour Rated, Add</i>	5.86	
<i>For Damper Blades Outside Air Stream, Add</i>	8.78	
23 33 13 16-0042 EA 24" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	89.57	18.89
<i>For Horizontal, Add</i>	4.92	
<i>For Dynamic Damper, Add</i>	7.38	
<i>For 3 Hour Rated, Add</i>	6.56	
<i>For Damper Blades Outside Air Stream, Add</i>	9.84	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0043	EA		24" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	97.09	20.65
			<i>For Horizontal, Add</i>	5.27	
			<i>For Dynamic Damper, Add</i>	7.91	
			<i>For 3 Hour Rated, Add</i>	7.03	
			<i>For Damper Blades Outside Air Stream, Add</i>	10.55	
23 33 13 16-0044	EA		24" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	105.76	22.30
			<i>For Horizontal, Add</i>	5.80	
			<i>For Dynamic Damper, Add</i>	8.70	
			<i>For 3 Hour Rated, Add</i>	7.73	
			<i>For Damper Blades Outside Air Stream, Add</i>	11.60	
23 33 13 16-0045	EA		24" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	112.66	24.05
			<i>For Horizontal, Add</i>	6.06	
			<i>For Dynamic Damper, Add</i>	9.09	
			<i>For 3 Hour Rated, Add</i>	8.08	
			<i>For Damper Blades Outside Air Stream, Add</i>	12.12	
23 33 13 16-0046	EA		24" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	119.59	25.81
			<i>For Horizontal, Add</i>	6.33	
			<i>For Dynamic Damper, Add</i>	9.49	
			<i>For 3 Hour Rated, Add</i>	8.43	
			<i>For Damper Blades Outside Air Stream, Add</i>	12.65	
23 33 13 16-0047	EA		24" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	128.26	27.46
			<i>For Horizontal, Add</i>	6.85	
			<i>For Dynamic Damper, Add</i>	10.28	
			<i>For 3 Hour Rated, Add</i>	9.14	
			<i>For Damper Blades Outside Air Stream, Add</i>	13.70	
23 33 13 16-0048	EA		24" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	142.09	30.96
			<i>For Horizontal, Add</i>	7.38	
			<i>For Dynamic Damper, Add</i>	11.07	
			<i>For 3 Hour Rated, Add</i>	9.84	
			<i>For Damper Blades Outside Air Stream, Add</i>	14.76	
23 33 13 16-0049	EA		24" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	157.12	34.37
			<i>For Horizontal, Add</i>	8.08	
			<i>For Dynamic Damper, Add</i>	12.13	
			<i>For 3 Hour Rated, Add</i>	10.78	
			<i>For Damper Blades Outside Air Stream, Add</i>	16.17	
23 33 13 16-0050	EA		28" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	89.57	18.89
			<i>For Horizontal, Add</i>	4.92	
			<i>For Dynamic Damper, Add</i>	7.38	
			<i>For 3 Hour Rated, Add</i>	6.56	
			<i>For Damper Blades Outside Air Stream, Add</i>	9.84	
23 33 13 16-0051	EA		28" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	97.09	20.65
			<i>For Horizontal, Add</i>	5.27	
			<i>For Dynamic Damper, Add</i>	7.91	
			<i>For 3 Hour Rated, Add</i>	7.03	
			<i>For Damper Blades Outside Air Stream, Add</i>	10.55	
23 33 13 16-0052	EA		28" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	105.76	22.30
			<i>For Horizontal, Add</i>	5.80	
			<i>For Dynamic Damper, Add</i>	8.70	
			<i>For 3 Hour Rated, Add</i>	7.73	
			<i>For Damper Blades Outside Air Stream, Add</i>	11.60	
23 33 13 16-0053	EA		28" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	113.25	24.05
			<i>For Horizontal, Add</i>	6.15	
			<i>For Dynamic Damper, Add</i>	9.23	
			<i>For 3 Hour Rated, Add</i>	8.20	
			<i>For Damper Blades Outside Air Stream, Add</i>	12.30	
23 33 13 16-0054	EA		28" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	121.35	25.81
			<i>For Horizontal, Add</i>	6.59	
			<i>For Dynamic Damper, Add</i>	9.88	
			<i>For 3 Hour Rated, Add</i>	8.79	
			<i>For Damper Blades Outside Air Stream, Add</i>	13.18	
23 33 13 16-0055	EA		28" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	129.43	27.46
			<i>For Horizontal, Add</i>	7.03	
			<i>For Dynamic Damper, Add</i>	10.54	
			<i>For 3 Hour Rated, Add</i>	9.37	
			<i>For Damper Blades Outside Air Stream, Add</i>	14.06	
23 33 13 16-0056	EA		28" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	143.27	30.96
			<i>For Horizontal, Add</i>	7.56	
			<i>For Dynamic Damper, Add</i>	11.33	
			<i>For 3 Hour Rated, Add</i>	10.07	
			<i>For Damper Blades Outside Air Stream, Add</i>	15.11	
23 33 13 16-0057	EA		28" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	157.12	34.37
			<i>For Horizontal, Add</i>	8.08	
			<i>For Dynamic Damper, Add</i>	12.13	
			<i>For 3 Hour Rated, Add</i>	10.78	
			<i>For Damper Blades Outside Air Stream, Add</i>	16.17	
23 33 13 16-0058	EA		28" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	169.30	36.13
			<i>For Horizontal, Add</i>	9.14	
			<i>For Dynamic Damper, Add</i>	13.70	
			<i>For 3 Hour Rated, Add</i>	12.18	
			<i>For Damper Blades Outside Air Stream, Add</i>	18.27	
23 33 13 16-0059	EA		28" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	185.48	39.53
			<i>For Horizontal, Add</i>	10.02	
			<i>For Dynamic Damper, Add</i>	15.02	
			<i>For 3 Hour Rated, Add</i>	13.35	
			<i>For Damper Blades Outside Air Stream, Add</i>	20.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0060 EA 32" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	100.60	20.65
<i>For Horizontal, Add</i>	5.80	
<i>For Dynamic Damper, Add</i>	8.70	
<i>For 3 Hour Rated, Add</i>	7.73	
<i>For Damper Blades Outside Air Stream, Add</i>	11.60	
23 33 13 16-0061 EA 32" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	106.92	22.30
<i>For Horizontal, Add</i>	5.97	
<i>For Dynamic Damper, Add</i>	8.96	
<i>For 3 Hour Rated, Add</i>	7.96	
<i>For Damper Blades Outside Air Stream, Add</i>	11.95	
23 33 13 16-0062 EA 32" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	113.25	24.05
<i>For Horizontal, Add</i>	6.15	
<i>For Dynamic Damper, Add</i>	9.23	
<i>For 3 Hour Rated, Add</i>	8.20	
<i>For Damper Blades Outside Air Stream, Add</i>	12.30	
23 33 13 16-0063 EA 32" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	120.75	25.81
<i>For Horizontal, Add</i>	6.50	
<i>For Dynamic Damper, Add</i>	9.75	
<i>For 3 Hour Rated, Add</i>	8.67	
<i>For Damper Blades Outside Air Stream, Add</i>	13.00	
23 33 13 16-0064 EA 32" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	129.65	27.46
<i>For Horizontal, Add</i>	7.06	
<i>For Dynamic Damper, Add</i>	10.59	
<i>For 3 Hour Rated, Add</i>	9.41	
<i>For Damper Blades Outside Air Stream, Add</i>	14.12	
23 33 13 16-0065 EA 32" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	143.27	30.96
<i>For Horizontal, Add</i>	7.56	
<i>For Dynamic Damper, Add</i>	11.33	
<i>For 3 Hour Rated, Add</i>	10.07	
<i>For Damper Blades Outside Air Stream, Add</i>	15.11	
23 33 13 16-0066 EA 32" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	158.29	34.37
<i>For Horizontal, Add</i>	8.26	
<i>For Dynamic Damper, Add</i>	12.39	
<i>For 3 Hour Rated, Add</i>	11.01	
<i>For Damper Blades Outside Air Stream, Add</i>	16.52	
23 33 13 16-0067 EA 32" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	173.28	37.78
<i>For Horizontal, Add</i>	8.96	
<i>For Dynamic Damper, Add</i>	13.44	
<i>For 3 Hour Rated, Add</i>	11.95	
<i>For Damper Blades Outside Air Stream, Add</i>	17.92	
23 33 13 16-0068 EA 32" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	185.48	39.53
<i>For Horizontal, Add</i>	10.02	
<i>For Dynamic Damper, Add</i>	15.02	
<i>For 3 Hour Rated, Add</i>	13.35	
<i>For Damper Blades Outside Air Stream, Add</i>	20.03	
23 33 13 16-0069 EA 32" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	201.93	42.32
<i>For Horizontal, Add</i>	11.25	
<i>For Dynamic Damper, Add</i>	16.87	
<i>For 3 Hour Rated, Add</i>	14.99	
<i>For Damper Blades Outside Air Stream, Add</i>	22.49	
23 33 13 16-0070 EA 32" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	218.53	44.70
<i>For Horizontal, Add</i>	12.65	
<i>For Dynamic Damper, Add</i>	18.98	
<i>For 3 Hour Rated, Add</i>	16.87	
<i>For Damper Blades Outside Air Stream, Add</i>	25.30	
23 33 13 16-0071 EA 36" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	109.27	22.30
<i>For Horizontal, Add</i>	6.33	
<i>For Dynamic Damper, Add</i>	9.49	
<i>For 3 Hour Rated, Add</i>	8.43	
<i>For Damper Blades Outside Air Stream, Add</i>	12.65	
23 33 13 16-0072 EA 36" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	116.76	24.05
<i>For Horizontal, Add</i>	6.68	
<i>For Dynamic Damper, Add</i>	10.01	
<i>For 3 Hour Rated, Add</i>	8.90	
<i>For Damper Blades Outside Air Stream, Add</i>	13.35	
23 33 13 16-0073 EA 36" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	124.27	25.81
<i>For Horizontal, Add</i>	7.03	
<i>For Dynamic Damper, Add</i>	10.54	
<i>For 3 Hour Rated, Add</i>	9.37	
<i>For Damper Blades Outside Air Stream, Add</i>	14.06	
23 33 13 16-0074 EA 36" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	132.95	27.46
<i>For Horizontal, Add</i>	7.56	
<i>For Dynamic Damper, Add</i>	11.33	
<i>For 3 Hour Rated, Add</i>	10.07	
<i>For Damper Blades Outside Air Stream, Add</i>	15.11	
23 33 13 16-0075 EA 36" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	145.03	30.96
<i>For Horizontal, Add</i>	7.82	
<i>For Dynamic Damper, Add</i>	11.73	
<i>For 3 Hour Rated, Add</i>	10.43	
<i>For Damper Blades Outside Air Stream, Add</i>	15.64	
23 33 13 16-0076 EA 36" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	151.95	32.62
<i>For Horizontal, Add</i>	8.08	
<i>For Dynamic Damper, Add</i>	12.13	
<i>For 3 Hour Rated, Add</i>	10.78	
<i>For Damper Blades Outside Air Stream, Add</i>	16.17	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0077	EA		36" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	173.28	37.78
			<i>For Horizontal, Add</i>	8.96	
			<i>For Dynamic Damper, Add</i>	13.44	
			<i>For 3 Hour Rated, Add</i>	11.95	
			<i>For Damper Blades Outside Air Stream, Add</i>	17.92	
23 33 13 16-0078	EA		36" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	189.46	41.29
			<i>For Horizontal, Add</i>	9.84	
			<i>For Dynamic Damper, Add</i>	14.76	
			<i>For 3 Hour Rated, Add</i>	13.12	
			<i>For Damper Blades Outside Air Stream, Add</i>	19.68	
23 33 13 16-0079	EA		36" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	169.50	42.64
			<i>For Horizontal, Add</i>	6.23	
			<i>For Dynamic Damper, Add</i>	9.34	
			<i>For 3 Hour Rated, Add</i>	8.30	
			<i>For Damper Blades Outside Air Stream, Add</i>	12.45	
23 33 13 16-0080	EA		36" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	219.28	45.73
			<i>For Horizontal, Add</i>	12.30	
			<i>For Dynamic Damper, Add</i>	18.45	
			<i>For 3 Hour Rated, Add</i>	16.40	
			<i>For Damper Blades Outside Air Stream, Add</i>	24.60	
23 33 13 16-0081	EA		36" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	234.71	48.11
			<i>For Horizontal, Add</i>	13.53	
			<i>For Dynamic Damper, Add</i>	20.29	
			<i>For 3 Hour Rated, Add</i>	18.04	
			<i>For Damper Blades Outside Air Stream, Add</i>	27.06	
23 33 13 16-0082	EA		36" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	249.24	49.85
			<i>For Horizontal, Add</i>	14.93	
			<i>For Dynamic Damper, Add</i>	22.40	
			<i>For 3 Hour Rated, Add</i>	19.91	
			<i>For Damper Blades Outside Air Stream, Add</i>	29.87	
23 33 13 16-0083	EA		40" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	115.58	25.81
			<i>For Horizontal, Add</i>	6.50	
			<i>For Dynamic Damper, Add</i>	9.75	
			<i>For 3 Hour Rated, Add</i>	8.67	
			<i>For Damper Blades Outside Air Stream, Add</i>	13.00	
23 33 13 16-0084	EA		40" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	125.44	27.46
			<i>For Horizontal, Add</i>	7.20	
			<i>For Dynamic Damper, Add</i>	10.80	
			<i>For 3 Hour Rated, Add</i>	9.60	
			<i>For Damper Blades Outside Air Stream, Add</i>	14.41	
23 33 13 16-0085	EA		40" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	131.77	29.22
			<i>For Horizontal, Add</i>	7.38	
			<i>For Dynamic Damper, Add</i>	11.07	
			<i>For 3 Hour Rated, Add</i>	9.84	
			<i>For Damper Blades Outside Air Stream, Add</i>	14.76	
23 33 13 16-0086	EA		40" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	138.11	30.96
			<i>For Horizontal, Add</i>	7.56	
			<i>For Dynamic Damper, Add</i>	11.33	
			<i>For 3 Hour Rated, Add</i>	10.07	
			<i>For Damper Blades Outside Air Stream, Add</i>	15.11	
23 33 13 16-0087	EA		40" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	152.53	32.62
			<i>For Horizontal, Add</i>	8.17	
			<i>For Dynamic Damper, Add</i>	12.26	
			<i>For 3 Hour Rated, Add</i>	10.89	
			<i>For Damper Blades Outside Air Stream, Add</i>	16.34	
23 33 13 16-0088	EA		40" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	161.80	34.37
			<i>For Horizontal, Add</i>	8.79	
			<i>For Dynamic Damper, Add</i>	13.18	
			<i>For 3 Hour Rated, Add</i>	11.71	
			<i>For Damper Blades Outside Air Stream, Add</i>	17.57	
23 33 13 16-0089	EA		40" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	181.96	39.53
			<i>For Horizontal, Add</i>	9.49	
			<i>For Dynamic Damper, Add</i>	14.23	
			<i>For 3 Hour Rated, Add</i>	12.65	
			<i>For Damper Blades Outside Air Stream, Add</i>	18.98	
23 33 13 16-0090	EA		40" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	196.97	42.94
			<i>For Horizontal, Add</i>	10.19	
			<i>For Dynamic Damper, Add</i>	15.29	
			<i>For 3 Hour Rated, Add</i>	13.59	
			<i>For Damper Blades Outside Air Stream, Add</i>	20.38	
23 33 13 16-0091	EA		40" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	212.26	45.73
			<i>For Horizontal, Add</i>	11.25	
			<i>For Dynamic Damper, Add</i>	16.87	
			<i>For 3 Hour Rated, Add</i>	14.99	
			<i>For Damper Blades Outside Air Stream, Add</i>	22.49	
23 33 13 16-0092	EA		40" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	232.37	48.11
			<i>For Horizontal, Add</i>	13.18	
			<i>For Dynamic Damper, Add</i>	19.77	
			<i>For 3 Hour Rated, Add</i>	17.57	
			<i>For Damper Blades Outside Air Stream, Add</i>	26.36	
23 33 13 16-0093	EA		40" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	247.64	50.89
			<i>For Horizontal, Add</i>	14.23	
			<i>For Dynamic Damper, Add</i>	21.35	
			<i>For 3 Hour Rated, Add</i>	18.97	
			<i>For Damper Blades Outside Air Stream, Add</i>	28.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0094 EA 40" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	264.66	52.23
<i>For Horizontal, Add</i>	16.16	
<i>For Dynamic Damper, Add</i>	24.25	
<i>For 3 Hour Rated, Add</i>	21.55	
<i>For Damper Blades Outside Air Stream, Add</i>	32.33	
23 33 13 16-0095 EA 40" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	284.64	55.02
<i>For Horizontal, Add</i>	17.92	
<i>For Dynamic Damper, Add</i>	26.88	
<i>For 3 Hour Rated, Add</i>	23.90	
<i>For Damper Blades Outside Air Stream, Add</i>	35.84	
23 33 13 16-0096 EA 44" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	123.10	25.81
<i>For Horizontal, Add</i>	6.85	
<i>For Dynamic Damper, Add</i>	10.28	
<i>For 3 Hour Rated, Add</i>	9.14	
<i>For Damper Blades Outside Air Stream, Add</i>	13.70	
23 33 13 16-0097 EA 44" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	132.95	27.46
<i>For Horizontal, Add</i>	7.56	
<i>For Dynamic Damper, Add</i>	11.33	
<i>For 3 Hour Rated, Add</i>	10.07	
<i>For Damper Blades Outside Air Stream, Add</i>	15.11	
23 33 13 16-0098 EA 44" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	141.63	29.22
<i>For Horizontal, Add</i>	8.08	
<i>For Dynamic Damper, Add</i>	12.13	
<i>For 3 Hour Rated, Add</i>	10.78	
<i>For Damper Blades Outside Air Stream, Add</i>	16.17	
23 33 13 16-0099 EA 44" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	147.96	30.96
<i>For Horizontal, Add</i>	8.26	
<i>For Dynamic Damper, Add</i>	12.39	
<i>For 3 Hour Rated, Add</i>	11.01	
<i>For Damper Blades Outside Air Stream, Add</i>	16.52	
23 33 13 16-0100 EA 44" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	157.80	32.62
<i>For Horizontal, Add</i>	8.96	
<i>For Dynamic Damper, Add</i>	13.44	
<i>For 3 Hour Rated, Add</i>	11.95	
<i>For Damper Blades Outside Air Stream, Add</i>	17.92	
23 33 13 16-0101 EA 44" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	167.66	34.37
<i>For Horizontal, Add</i>	9.66	
<i>For Dynamic Damper, Add</i>	14.50	
<i>For 3 Hour Rated, Add</i>	12.89	
<i>For Damper Blades Outside Air Stream, Add</i>	19.33	
23 33 13 16-0102 EA 44" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	194.16	41.29
<i>For Horizontal, Add</i>	10.54	
<i>For Dynamic Damper, Add</i>	15.82	
<i>For 3 Hour Rated, Add</i>	14.06	
<i>For Damper Blades Outside Air Stream, Add</i>	21.09	
23 33 13 16-0103 EA 44" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	210.32	44.70
<i>For Horizontal, Add</i>	11.42	
<i>For Dynamic Damper, Add</i>	17.13	
<i>For 3 Hour Rated, Add</i>	15.23	
<i>For Damper Blades Outside Air Stream, Add</i>	22.84	
23 33 13 16-0104 EA 44" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	232.37	48.11
<i>For Horizontal, Add</i>	13.18	
<i>For Dynamic Damper, Add</i>	19.77	
<i>For 3 Hour Rated, Add</i>	17.57	
<i>For Damper Blades Outside Air Stream, Add</i>	26.36	
23 33 13 16-0105 EA 44" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	253.22	51.61
<i>For Horizontal, Add</i>	14.76	
<i>For Dynamic Damper, Add</i>	22.14	
<i>For 3 Hour Rated, Add</i>	19.68	
<i>For Damper Blades Outside Air Stream, Add</i>	29.52	
23 33 13 16-0106 EA 44" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	275.26	55.02
<i>For Horizontal, Add</i>	16.52	
<i>For Dynamic Damper, Add</i>	24.77	
<i>For 3 Hour Rated, Add</i>	22.02	
<i>For Damper Blades Outside Air Stream, Add</i>	33.03	
23 33 13 16-0107 EA 44" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	290.96	56.67
<i>For Horizontal, Add</i>	18.10	
<i>For Dynamic Damper, Add</i>	27.14	
<i>For 3 Hour Rated, Add</i>	24.13	
<i>For Damper Blades Outside Air Stream, Add</i>	36.19	
23 33 13 16-0108 EA 44" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	306.66	58.42
<i>For Horizontal, Add</i>	19.68	
<i>For Dynamic Damper, Add</i>	29.52	
<i>For 3 Hour Rated, Add</i>	26.24	
<i>For Damper Blades Outside Air Stream, Add</i>	39.35	
23 33 13 16-0109 EA 44" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	322.38	60.18
<i>For Horizontal, Add</i>	21.26	
<i>For Dynamic Damper, Add</i>	31.89	
<i>For 3 Hour Rated, Add</i>	28.35	
<i>For Damper Blades Outside Air Stream, Add</i>	42.52	
23 33 13 16-0110 EA 48" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	131.77	27.46
<i>For Horizontal, Add</i>	7.38	
<i>For Dynamic Damper, Add</i>	11.07	
<i>For 3 Hour Rated, Add</i>	9.84	
<i>For Damper Blades Outside Air Stream, Add</i>	14.76	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0111 EA 48" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	141.63	29.22
For Horizontal, Add	8.08	
For Dynamic Damper, Add	12.13	
For 3 Hour Rated, Add	10.78	
For Damper Blades Outside Air Stream, Add	16.17	
23 33 13 16-0112 EA 48" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	147.96	30.96
For Horizontal, Add	8.26	
For Dynamic Damper, Add	12.39	
For 3 Hour Rated, Add	11.01	
For Damper Blades Outside Air Stream, Add	16.52	
23 33 13 16-0113 EA 48" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	161.80	34.37
For Horizontal, Add	8.79	
For Dynamic Damper, Add	13.18	
For 3 Hour Rated, Add	11.71	
For Damper Blades Outside Air Stream, Add	17.57	
23 33 13 16-0114 EA 48" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	176.79	37.78
For Horizontal, Add	9.49	
For Dynamic Damper, Add	14.23	
For 3 Hour Rated, Add	12.65	
For Damper Blades Outside Air Stream, Add	18.98	
23 33 13 16-0115 EA 48" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	191.81	41.29
For Horizontal, Add	10.19	
For Dynamic Damper, Add	15.29	
For 3 Hour Rated, Add	13.59	
For Damper Blades Outside Air Stream, Add	20.38	
23 33 13 16-0116 EA 48" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	209.16	44.70
For Horizontal, Add	11.25	
For Dynamic Damper, Add	16.87	
For 3 Hour Rated, Add	14.99	
For Damper Blades Outside Air Stream, Add	22.49	
23 33 13 16-0117 EA 48" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	226.51	48.11
For Horizontal, Add	12.30	
For Dynamic Damper, Add	18.45	
For 3 Hour Rated, Add	16.40	
For Damper Blades Outside Air Stream, Add	24.60	
23 33 13 16-0118 EA 48" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	247.36	51.61
For Horizontal, Add	13.88	
For Dynamic Damper, Add	20.82	
For 3 Hour Rated, Add	18.51	
For Damper Blades Outside Air Stream, Add	27.76	
23 33 13 16-0119 EA 48" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	270.57	55.02
For Horizontal, Add	15.81	
For Dynamic Damper, Add	23.72	
For 3 Hour Rated, Add	21.08	
For Damper Blades Outside Air Stream, Add	31.62	
23 33 13 16-0120 EA 48" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	286.29	56.67
For Horizontal, Add	17.40	
For Dynamic Damper, Add	26.09	
For 3 Hour Rated, Add	23.19	
For Damper Blades Outside Air Stream, Add	34.79	
23 33 13 16-0121 EA 48" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	305.49	58.42
For Horizontal, Add	19.50	
For Dynamic Damper, Add	29.25	
For 3 Hour Rated, Add	26.00	
For Damper Blades Outside Air Stream, Add	39.00	
23 33 13 16-0122 EA 48" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	326.37	61.83
For Horizontal, Add	21.08	
For Dynamic Damper, Add	31.63	
For 3 Hour Rated, Add	28.11	
For Damper Blades Outside Air Stream, Add	42.17	
23 33 13 16-0123 EA 48" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	345.58	63.59
For Horizontal, Add	23.19	
For Dynamic Damper, Add	34.79	
For 3 Hour Rated, Add	30.92	
For Damper Blades Outside Air Stream, Add	46.39	
23 33 13 16-0124 EA 48" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	370.43	68.75
For Horizontal, Add	24.60	
For Dynamic Damper, Add	36.90	
For 3 Hour Rated, Add	32.80	
For Damper Blades Outside Air Stream, Add	49.19	
23 33 13 16-0125 EA 52" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	140.45	29.22
For Horizontal, Add	7.91	
For Dynamic Damper, Add	11.86	
For 3 Hour Rated, Add	10.54	
For Damper Blades Outside Air Stream, Add	15.81	
23 33 13 16-0126 EA 52" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	150.30	30.96
For Horizontal, Add	8.61	
For Dynamic Damper, Add	12.92	
For 3 Hour Rated, Add	11.48	
For Damper Blades Outside Air Stream, Add	17.22	
23 33 13 16-0127 EA 52" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	165.31	34.37
For Horizontal, Add	9.31	
For Dynamic Damper, Add	13.97	
For 3 Hour Rated, Add	12.42	
For Damper Blades Outside Air Stream, Add	18.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0128 EA 52" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	176.79	37.78
<i>For Horizontal, Add</i>	9.49	
<i>For Dynamic Damper, Add</i>	14.23	
<i>For 3 Hour Rated, Add</i>	12.65	
<i>For Damper Blades Outside Air Stream, Add</i>	18.98	
23 33 13 16-0129 EA 52" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	192.40	41.29
<i>For Horizontal, Add</i>	10.28	
<i>For Dynamic Damper, Add</i>	15.42	
<i>For 3 Hour Rated, Add</i>	13.71	
<i>For Damper Blades Outside Air Stream, Add</i>	20.56	
23 33 13 16-0130 EA 52" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	207.99	44.70
<i>For Horizontal, Add</i>	11.07	
<i>For Dynamic Damper, Add</i>	16.61	
<i>For 3 Hour Rated, Add</i>	14.76	
<i>For Damper Blades Outside Air Stream, Add</i>	22.14	
23 33 13 16-0131 EA 52" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	225.35	48.11
<i>For Horizontal, Add</i>	12.12	
<i>For Dynamic Damper, Add</i>	18.19	
<i>For 3 Hour Rated, Add</i>	16.17	
<i>For Damper Blades Outside Air Stream, Add</i>	24.25	
23 33 13 16-0132 EA 52" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	242.68	51.61
<i>For Horizontal, Add</i>	13.18	
<i>For Dynamic Damper, Add</i>	19.77	
<i>For 3 Hour Rated, Add</i>	17.57	
<i>For Damper Blades Outside Air Stream, Add</i>	26.36	
23 33 13 16-0133 EA 52" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	263.55	55.02
<i>For Horizontal, Add</i>	14.76	
<i>For Dynamic Damper, Add</i>	22.14	
<i>For 3 Hour Rated, Add</i>	19.68	
<i>For Damper Blades Outside Air Stream, Add</i>	29.52	
23 33 13 16-0134 EA 52" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	287.93	58.42
<i>For Horizontal, Add</i>	16.87	
<i>For Dynamic Damper, Add</i>	25.30	
<i>For 3 Hour Rated, Add</i>	22.49	
<i>For Damper Blades Outside Air Stream, Add</i>	33.74	
23 33 13 16-0135 EA 52" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	304.79	60.18
<i>For Horizontal, Add</i>	18.62	
<i>For Dynamic Damper, Add</i>	27.93	
<i>For 3 Hour Rated, Add</i>	24.83	
<i>For Damper Blades Outside Air Stream, Add</i>	37.25	
23 33 13 16-0136 EA 52" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	325.20	61.83
<i>For Horizontal, Add</i>	20.91	
<i>For Dynamic Damper, Add</i>	31.36	
<i>For 3 Hour Rated, Add</i>	27.88	
<i>For Damper Blades Outside Air Stream, Add</i>	41.82	
23 33 13 16-0137 EA 52" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	349.55	65.34
<i>For Horizontal, Add</i>	23.01	
<i>For Dynamic Damper, Add</i>	34.52	
<i>For 3 Hour Rated, Add</i>	30.69	
<i>For Damper Blades Outside Air Stream, Add</i>	46.03	
23 33 13 16-0138 EA 52" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	370.43	68.75
<i>For Horizontal, Add</i>	24.60	
<i>For Dynamic Damper, Add</i>	36.90	
<i>For 3 Hour Rated, Add</i>	32.80	
<i>For Damper Blades Outside Air Stream, Add</i>	49.19	
23 33 13 16-0139 EA 52" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	399.97	73.91
<i>For Horizontal, Add</i>	26.71	
<i>For Dynamic Damper, Add</i>	40.06	
<i>For 3 Hour Rated, Add</i>	35.61	
<i>For Damper Blades Outside Air Stream, Add</i>	53.41	
23 33 13 16-0140 EA 52" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	422.00	77.31
<i>For Horizontal, Add</i>	28.46	
<i>For Dynamic Damper, Add</i>	42.69	
<i>For 3 Hour Rated, Add</i>	37.95	
<i>For Damper Blades Outside Air Stream, Add</i>	56.93	
23 33 13 16-0141 EA 56" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	147.96	30.96
<i>For Horizontal, Add</i>	8.26	
<i>For Dynamic Damper, Add</i>	12.39	
<i>For 3 Hour Rated, Add</i>	11.01	
<i>For Damper Blades Outside Air Stream, Add</i>	16.52	
23 33 13 16-0142 EA 56" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	164.14	34.37
<i>For Horizontal, Add</i>	9.14	
<i>For Dynamic Damper, Add</i>	13.70	
<i>For 3 Hour Rated, Add</i>	12.18	
<i>For Damper Blades Outside Air Stream, Add</i>	18.27	
23 33 13 16-0143 EA 56" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	177.97	37.78
<i>For Horizontal, Add</i>	9.66	
<i>For Dynamic Damper, Add</i>	14.50	
<i>For 3 Hour Rated, Add</i>	12.89	
<i>For Damper Blades Outside Air Stream, Add</i>	19.33	
23 33 13 16-0144 EA 56" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	189.46	41.29
<i>For Horizontal, Add</i>	9.84	
<i>For Dynamic Damper, Add</i>	14.76	
<i>For 3 Hour Rated, Add</i>	13.12	
<i>For Damper Blades Outside Air Stream, Add</i>	19.68	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0145	EA		56" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	206.23	44.70
			<i>For Horizontal, Add</i>	10.81	
			<i>For Dynamic Damper, Add</i>	16.21	
			<i>For 3 Hour Rated, Add</i>	14.41	
			<i>For Damper Blades Outside Air Stream, Add</i>	21.61	
23 33 13 16-0146	EA		56" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	223.00	48.11
			<i>For Horizontal, Add</i>	11.77	
			<i>For Dynamic Damper, Add</i>	17.66	
			<i>For 3 Hour Rated, Add</i>	15.70	
			<i>For Damper Blades Outside Air Stream, Add</i>	23.54	
23 33 13 16-0147	EA		56" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	239.75	51.61
			<i>For Horizontal, Add</i>	12.74	
			<i>For Dynamic Damper, Add</i>	19.11	
			<i>For 3 Hour Rated, Add</i>	16.98	
			<i>For Damper Blades Outside Air Stream, Add</i>	25.48	
23 33 13 16-0148	EA		56" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	256.52	55.02
			<i>For Horizontal, Add</i>	13.70	
			<i>For Dynamic Damper, Add</i>	20.56	
			<i>For 3 Hour Rated, Add</i>	18.27	
			<i>For Damper Blades Outside Air Stream, Add</i>	27.41	
23 33 13 16-0149	EA		56" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	280.89	58.42
			<i>For Horizontal, Add</i>	15.81	
			<i>For Dynamic Damper, Add</i>	23.72	
			<i>For 3 Hour Rated, Add</i>	21.08	
			<i>For Damper Blades Outside Air Stream, Add</i>	31.62	
23 33 13 16-0150	EA		56" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	300.12	60.18
			<i>For Horizontal, Add</i>	17.92	
			<i>For Dynamic Damper, Add</i>	26.88	
			<i>For 3 Hour Rated, Add</i>	23.90	
			<i>For Damper Blades Outside Air Stream, Add</i>	35.84	
23 33 13 16-0151	EA		56" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	318.17	61.83
			<i>For Horizontal, Add</i>	19.85	
			<i>For Dynamic Damper, Add</i>	29.78	
			<i>For 3 Hour Rated, Add</i>	26.47	
			<i>For Damper Blades Outside Air Stream, Add</i>	39.71	
23 33 13 16-0152	EA		56" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	344.88	65.34
			<i>For Horizontal, Add</i>	22.31	
			<i>For Dynamic Damper, Add</i>	33.47	
			<i>For 3 Hour Rated, Add</i>	29.75	
			<i>For Damper Blades Outside Air Stream, Add</i>	44.63	
23 33 13 16-0153	EA		56" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	369.26	68.75
			<i>For Horizontal, Add</i>	24.42	
			<i>For Dynamic Damper, Add</i>	36.63	
			<i>For 3 Hour Rated, Add</i>	32.56	
			<i>For Damper Blades Outside Air Stream, Add</i>	48.84	
23 33 13 16-0154	EA		56" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	394.81	72.15
			<i>For Horizontal, Add</i>	26.71	
			<i>For Dynamic Damper, Add</i>	40.06	
			<i>For 3 Hour Rated, Add</i>	35.61	
			<i>For Damper Blades Outside Air Stream, Add</i>	53.41	
23 33 13 16-0155	EA		56" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	416.85	75.66
			<i>For Horizontal, Add</i>	28.46	
			<i>For Dynamic Damper, Add</i>	42.69	
			<i>For 3 Hour Rated, Add</i>	37.95	
			<i>For Damper Blades Outside Air Stream, Add</i>	56.93	
23 33 13 16-0156	EA		56" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	442.39	79.07
			<i>For Horizontal, Add</i>	30.75	
			<i>For Dynamic Damper, Add</i>	46.12	
			<i>For 3 Hour Rated, Add</i>	41.00	
			<i>For Damper Blades Outside Air Stream, Add</i>	61.49	
23 33 13 16-0157	EA		56" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	467.95	82.48
			<i>For Horizontal, Add</i>	33.03	
			<i>For Dynamic Damper, Add</i>	49.55	
			<i>For 3 Hour Rated, Add</i>	44.04	
			<i>For Damper Blades Outside Air Stream, Add</i>	66.06	
23 33 13 16-0158	EA		60" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	161.80	34.37
			<i>For Horizontal, Add</i>	8.79	
			<i>For Dynamic Damper, Add</i>	13.18	
			<i>For 3 Hour Rated, Add</i>	11.71	
			<i>For Damper Blades Outside Air Stream, Add</i>	17.57	
23 33 13 16-0159	EA		60" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	177.97	37.78
			<i>For Horizontal, Add</i>	9.66	
			<i>For Dynamic Damper, Add</i>	14.50	
			<i>For 3 Hour Rated, Add</i>	12.89	
			<i>For Damper Blades Outside Air Stream, Add</i>	19.33	
23 33 13 16-0160	EA		60" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	190.64	41.29
			<i>For Horizontal, Add</i>	10.02	
			<i>For Dynamic Damper, Add</i>	15.02	
			<i>For 3 Hour Rated, Add</i>	13.35	
			<i>For Damper Blades Outside Air Stream, Add</i>	20.03	
23 33 13 16-0161	EA		60" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	202.13	44.70
			<i>For Horizontal, Add</i>	10.19	
			<i>For Dynamic Damper, Add</i>	15.29	
			<i>For 3 Hour Rated, Add</i>	13.59	
			<i>For Damper Blades Outside Air Stream, Add</i>	20.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0162 EA 60" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	219.49	48.11
<i>For Horizontal, Add</i>	11.25	
<i>For Dynamic Damper, Add</i>	16.87	
<i>For 3 Hour Rated, Add</i>	14.99	
<i>For Damper Blades Outside Air Stream, Add</i>	22.49	
23 33 13 16-0163 EA 60" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	236.82	51.61
<i>For Horizontal, Add</i>	12.30	
<i>For Dynamic Damper, Add</i>	18.45	
<i>For 3 Hour Rated, Add</i>	16.40	
<i>For Damper Blades Outside Air Stream, Add</i>	24.60	
23 33 13 16-0164 EA 60" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	254.77	55.02
<i>For Horizontal, Add</i>	13.44	
<i>For Dynamic Damper, Add</i>	20.16	
<i>For 3 Hour Rated, Add</i>	17.92	
<i>For Damper Blades Outside Air Stream, Add</i>	26.88	
23 33 13 16-0165 EA 60" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	272.70	58.42
<i>For Horizontal, Add</i>	14.58	
<i>For Dynamic Damper, Add</i>	21.87	
<i>For 3 Hour Rated, Add</i>	19.44	
<i>For Damper Blades Outside Air Stream, Add</i>	29.17	
23 33 13 16-0166 EA 60" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	293.09	60.18
<i>For Horizontal, Add</i>	16.87	
<i>For Dynamic Damper, Add</i>	25.30	
<i>For 3 Hour Rated, Add</i>	22.49	
<i>For Damper Blades Outside Air Stream, Add</i>	33.74	
23 33 13 16-0167 EA 60" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	312.31	61.83
<i>For Horizontal, Add</i>	18.98	
<i>For Dynamic Damper, Add</i>	28.46	
<i>For 3 Hour Rated, Add</i>	25.30	
<i>For Damper Blades Outside Air Stream, Add</i>	37.95	
23 33 13 16-0168 EA 60" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	337.86	65.34
<i>For Horizontal, Add</i>	21.26	
<i>For Dynamic Damper, Add</i>	31.89	
<i>For 3 Hour Rated, Add</i>	28.35	
<i>For Damper Blades Outside Air Stream, Add</i>	42.52	
23 33 13 16-0169 EA 60" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	363.41	68.75
<i>For Horizontal, Add</i>	23.54	
<i>For Dynamic Damper, Add</i>	35.32	
<i>For 3 Hour Rated, Add</i>	31.39	
<i>For Damper Blades Outside Air Stream, Add</i>	47.09	
23 33 13 16-0170 EA 60" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	385.44	72.15
<i>For Horizontal, Add</i>	25.30	
<i>For Dynamic Damper, Add</i>	37.95	
<i>For 3 Hour Rated, Add</i>	33.73	
<i>For Damper Blades Outside Air Stream, Add</i>	50.60	
23 33 13 16-0171 EA 60" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	414.51	75.66
<i>For Horizontal, Add</i>	28.11	
<i>For Dynamic Damper, Add</i>	42.17	
<i>For 3 Hour Rated, Add</i>	37.48	
<i>For Damper Blades Outside Air Stream, Add</i>	56.22	
23 33 13 16-0172 EA 60" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	441.22	79.07
<i>For Horizontal, Add</i>	30.57	
<i>For Dynamic Damper, Add</i>	45.86	
<i>For 3 Hour Rated, Add</i>	40.76	
<i>For Damper Blades Outside Air Stream, Add</i>	61.14	
23 33 13 16-0173 EA 60" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	467.95	82.48
<i>For Horizontal, Add</i>	33.03	
<i>For Dynamic Damper, Add</i>	49.55	
<i>For 3 Hour Rated, Add</i>	44.04	
<i>For Damper Blades Outside Air Stream, Add</i>	66.06	
23 33 13 16-0174 EA 60" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	492.31	85.99
<i>For Horizontal, Add</i>	35.14	
<i>For Dynamic Damper, Add</i>	52.71	
<i>For 3 Hour Rated, Add</i>	46.85	
<i>For Damper Blades Outside Air Stream, Add</i>	70.28	
23 33 13 16-0175 EA 60" x 60" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	516.71	89.39
<i>For Horizontal, Add</i>	37.25	
<i>For Dynamic Damper, Add</i>	55.87	
<i>For 3 Hour Rated, Add</i>	49.66	
<i>For Damper Blades Outside Air Stream, Add</i>	74.50	
23 33 13 16-0176 Parallel Blade Louver Fire Damper <small>(23 33 13 16)</small>		
<i>Note: UL listed. Galvanized steel construction with fusible link 160 F spring actuated 1-1/2 hour fire rating.</i>		
23 33 13 16-0177 EA 6" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	68.31	11.46
<i>For Horizontal, Add</i>	5.09	
<i>For Dynamic Damper, Add</i>	7.64	
<i>For 3 Hour Rated, Add</i>	6.79	
23 33 13 16-0178 EA 8" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	71.31	11.97
<i>For Horizontal, Add</i>	5.31	
<i>For Dynamic Damper, Add</i>	7.96	
<i>For 3 Hour Rated, Add</i>	7.08	
23 33 13 16-0179 EA 8" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	72.99	12.07
<i>For Horizontal, Add</i>	5.53	
<i>For Dynamic Damper, Add</i>	8.29	
<i>For 3 Hour Rated, Add</i>	7.37	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0180	EA		10" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	72.99	12.07
			<i>For Horizontal, Add</i>	5.53	
			<i>For Dynamic Damper, Add</i>	8.29	
			<i>For 3 Hour Rated, Add</i>	7.37	
23 33 13 16-0181	EA		10" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	75.49	12.39
			<i>For Horizontal, Add</i>	5.75	
			<i>For Dynamic Damper, Add</i>	8.62	
			<i>For 3 Hour Rated, Add</i>	7.67	
23 33 13 16-0182	EA		10" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	82.54	13.73
			<i>For Horizontal, Add</i>	6.19	
			<i>For Dynamic Damper, Add</i>	9.28	
			<i>For 3 Hour Rated, Add</i>	8.25	
23 33 13 16-0183	EA		12" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	75.49	12.39
			<i>For Horizontal, Add</i>	5.75	
			<i>For Dynamic Damper, Add</i>	8.62	
			<i>For 3 Hour Rated, Add</i>	7.67	
23 33 13 16-0184	EA		12" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	80.48	13.11
			<i>For Horizontal, Add</i>	6.19	
			<i>For Dynamic Damper, Add</i>	9.28	
			<i>For 3 Hour Rated, Add</i>	8.25	
23 33 13 16-0185	EA		12" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	84.01	13.73
			<i>For Horizontal, Add</i>	6.41	
			<i>For Dynamic Damper, Add</i>	9.61	
			<i>For 3 Hour Rated, Add</i>	8.54	
23 33 13 16-0186	EA		12" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	90.63	15.48
			<i>For Horizontal, Add</i>	6.63	
			<i>For Dynamic Damper, Add</i>	9.94	
			<i>For 3 Hour Rated, Add</i>	8.84	
23 33 13 16-0187	EA		14" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	79.75	13.11
			<i>For Horizontal, Add</i>	6.08	
			<i>For Dynamic Damper, Add</i>	9.12	
			<i>For 3 Hour Rated, Add</i>	8.10	
23 33 13 16-0188	EA		14" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	84.01	13.73
			<i>For Horizontal, Add</i>	6.41	
			<i>For Dynamic Damper, Add</i>	9.61	
			<i>For 3 Hour Rated, Add</i>	8.54	
23 33 13 16-0189	EA		14" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	87.53	14.45
			<i>For Horizontal, Add</i>	6.63	
			<i>For Dynamic Damper, Add</i>	9.94	
			<i>For 3 Hour Rated, Add</i>	8.84	
23 33 13 16-0190	EA		14" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	92.09	15.48
			<i>For Horizontal, Add</i>	6.85	
			<i>For Dynamic Damper, Add</i>	10.27	
			<i>For 3 Hour Rated, Add</i>	9.13	
23 33 13 16-0191	EA		14" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	100.92	17.24
			<i>For Horizontal, Add</i>	7.40	
			<i>For Dynamic Damper, Add</i>	11.09	
			<i>For 3 Hour Rated, Add</i>	9.86	
23 33 13 16-0192	EA		16" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	100.95	13.73
			<i>For Horizontal, Add</i>	8.95	
			<i>For Dynamic Damper, Add</i>	13.42	
			<i>For 3 Hour Rated, Add</i>	11.93	
23 33 13 16-0193	EA		16" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	105.69	14.76
			<i>For Horizontal, Add</i>	9.20	
			<i>For Dynamic Damper, Add</i>	13.79	
			<i>For 3 Hour Rated, Add</i>	12.26	
23 33 13 16-0194	EA		16" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	111.47	16.21
			<i>For Horizontal, Add</i>	9.44	
			<i>For Dynamic Damper, Add</i>	14.16	
			<i>For 3 Hour Rated, Add</i>	12.59	
23 33 13 16-0195	EA		16" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	116.19	17.24
			<i>For Horizontal, Add</i>	9.69	
			<i>For Dynamic Damper, Add</i>	14.53	
			<i>For 3 Hour Rated, Add</i>	12.92	
23 33 13 16-0196	EA		16" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	125.46	18.89
			<i>For Horizontal, Add</i>	10.30	
			<i>For Dynamic Damper, Add</i>	15.46	
			<i>For 3 Hour Rated, Add</i>	13.74	
23 33 13 16-0197	EA		16" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	134.73	20.65
			<i>For Horizontal, Add</i>	10.92	
			<i>For Dynamic Damper, Add</i>	16.38	
			<i>For 3 Hour Rated, Add</i>	14.56	
23 33 13 16-0198	EA		18" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	104.65	14.45
			<i>For Horizontal, Add</i>	9.20	
			<i>For Dynamic Damper, Add</i>	13.79	
			<i>For 3 Hour Rated, Add</i>	12.26	
23 33 13 16-0199	EA		18" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	110.21	15.48
			<i>For Horizontal, Add</i>	9.56	
			<i>For Dynamic Damper, Add</i>	14.35	
			<i>For 3 Hour Rated, Add</i>	12.75	
23 33 13 16-0200	EA		18" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	117.85	17.24
			<i>For Horizontal, Add</i>	9.94	
			<i>For Dynamic Damper, Add</i>	14.90	
			<i>For 3 Hour Rated, Add</i>	13.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0201 EA 18" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	127.10	18.89
<i>For Horizontal, Add</i>	10.55	
<i>For Dynamic Damper, Add</i>	15.82	
<i>For 3 Hour Rated, Add</i>	14.07	
23 33 13 16-0202 EA 18" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	135.55	20.65
<i>For Horizontal, Add</i>	11.04	
<i>For Dynamic Damper, Add</i>	16.56	
<i>For 3 Hour Rated, Add</i>	14.72	
23 33 13 16-0203 EA 18" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	144.81	22.30
<i>For Horizontal, Add</i>	11.66	
<i>For Dynamic Damper, Add</i>	17.48	
<i>For 3 Hour Rated, Add</i>	15.54	
23 33 13 16-0204 EA 18" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	152.42	24.05
<i>For Horizontal, Add</i>	12.03	
<i>For Dynamic Damper, Add</i>	18.04	
<i>For 3 Hour Rated, Add</i>	16.03	
23 33 13 16-0205 EA 20" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	109.40	15.48
<i>For Horizontal, Add</i>	9.44	
<i>For Dynamic Damper, Add</i>	14.16	
<i>For 3 Hour Rated, Add</i>	12.59	
23 33 13 16-0206 EA 20" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	117.83	17.24
<i>For Horizontal, Add</i>	9.93	
<i>For Dynamic Damper, Add</i>	14.90	
<i>For 3 Hour Rated, Add</i>	13.24	
23 33 13 16-0207 EA 20" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	126.28	18.89
<i>For Horizontal, Add</i>	10.43	
<i>For Dynamic Damper, Add</i>	15.64	
<i>For 3 Hour Rated, Add</i>	13.90	
23 33 13 16-0208 EA 20" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	138.02	20.65
<i>For Horizontal, Add</i>	11.41	
<i>For Dynamic Damper, Add</i>	17.12	
<i>For 3 Hour Rated, Add</i>	15.22	
23 33 13 16-0209 EA 20" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	145.64	22.30
<i>For Horizontal, Add</i>	11.78	
<i>For Dynamic Damper, Add</i>	17.67	
<i>For 3 Hour Rated, Add</i>	15.71	
23 33 13 16-0210 EA 20" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	153.24	24.05
<i>For Horizontal, Add</i>	12.15	
<i>For Dynamic Damper, Add</i>	18.22	
<i>For 3 Hour Rated, Add</i>	16.20	
23 33 13 16-0211 EA 20" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	161.69	25.81
<i>For Horizontal, Add</i>	12.64	
<i>For Dynamic Damper, Add</i>	18.96	
<i>For 3 Hour Rated, Add</i>	16.85	
23 33 13 16-0212 EA 20" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	170.12	27.46
<i>For Horizontal, Add</i>	13.13	
<i>For Dynamic Damper, Add</i>	19.70	
<i>For 3 Hour Rated, Add</i>	17.51	
23 33 13 16-0213 EA 24" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	132.91	17.24
<i>For Horizontal, Add</i>	12.20	
<i>For Dynamic Damper, Add</i>	18.29	
<i>For 3 Hour Rated, Add</i>	16.26	
23 33 13 16-0214 EA 24" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	143.00	18.89
<i>For Horizontal, Add</i>	12.93	
<i>For Dynamic Damper, Add</i>	19.40	
<i>For 3 Hour Rated, Add</i>	17.25	
23 33 13 16-0215 EA 24" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	151.46	20.65
<i>For Horizontal, Add</i>	13.43	
<i>For Dynamic Damper, Add</i>	20.14	
<i>For 3 Hour Rated, Add</i>	17.90	
23 33 13 16-0216 EA 24" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	161.52	22.30
<i>For Horizontal, Add</i>	14.16	
<i>For Dynamic Damper, Add</i>	21.24	
<i>For 3 Hour Rated, Add</i>	18.88	
23 33 13 16-0217 EA 24" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	169.14	24.05
<i>For Horizontal, Add</i>	14.53	
<i>For Dynamic Damper, Add</i>	21.80	
<i>For 3 Hour Rated, Add</i>	19.38	
23 33 13 16-0218 EA 24" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	176.76	25.81
<i>For Horizontal, Add</i>	14.90	
<i>For Dynamic Damper, Add</i>	22.35	
<i>For 3 Hour Rated, Add</i>	19.87	
23 33 13 16-0219 EA 24" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	186.84	27.46
<i>For Horizontal, Add</i>	15.64	
<i>For Dynamic Damper, Add</i>	23.46	
<i>For 3 Hour Rated, Add</i>	20.85	
23 33 13 16-0220 EA 24" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	202.08	30.96
<i>For Horizontal, Add</i>	16.38	
<i>For Dynamic Damper, Add</i>	24.57	
<i>For 3 Hour Rated, Add</i>	21.84	
23 33 13 16-0221 EA 24" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	218.97	34.37
<i>For Horizontal, Add</i>	17.36	
<i>For Dynamic Damper, Add</i>	26.04	
<i>For 3 Hour Rated, Add</i>	23.15	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0222	EA		28" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	143.00	18.89
			<i>For Horizontal, Add</i>	12.93	
			<i>For Dynamic Damper, Add</i>	19.40	
			<i>For 3 Hour Rated, Add</i>	17.25	
23 33 13 16-0223	EA		28" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	151.46	20.65
			<i>For Horizontal, Add</i>	13.43	
			<i>For Dynamic Damper, Add</i>	20.14	
			<i>For 3 Hour Rated, Add</i>	17.90	
23 33 13 16-0224	EA		28" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	161.52	22.30
			<i>For Horizontal, Add</i>	14.16	
			<i>For Dynamic Damper, Add</i>	21.24	
			<i>For 3 Hour Rated, Add</i>	18.88	
23 33 13 16-0225	EA		28" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	169.95	24.05
			<i>For Horizontal, Add</i>	14.66	
			<i>For Dynamic Damper, Add</i>	21.98	
			<i>For 3 Hour Rated, Add</i>	19.54	
23 33 13 16-0226	EA		28" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	179.23	25.81
			<i>For Horizontal, Add</i>	15.27	
			<i>For Dynamic Damper, Add</i>	22.91	
			<i>For 3 Hour Rated, Add</i>	20.36	
23 33 13 16-0227	EA		28" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	188.47	27.46
			<i>For Horizontal, Add</i>	15.88	
			<i>For Dynamic Damper, Add</i>	23.83	
			<i>For 3 Hour Rated, Add</i>	21.18	
23 33 13 16-0228	EA		28" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	203.72	30.96
			<i>For Horizontal, Add</i>	16.62	
			<i>For Dynamic Damper, Add</i>	24.93	
			<i>For 3 Hour Rated, Add</i>	22.16	
23 33 13 16-0229	EA		28" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	218.97	34.37
			<i>For Horizontal, Add</i>	17.36	
			<i>For Dynamic Damper, Add</i>	26.04	
			<i>For 3 Hour Rated, Add</i>	23.15	
23 33 13 16-0230	EA		28" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	233.97	36.13
			<i>For Horizontal, Add</i>	18.84	
			<i>For Dynamic Damper, Add</i>	28.26	
			<i>For 3 Hour Rated, Add</i>	25.12	
23 33 13 16-0231	EA		28" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	252.49	39.53
			<i>For Horizontal, Add</i>	20.07	
			<i>For Dynamic Damper, Add</i>	30.10	
			<i>For 3 Hour Rated, Add</i>	26.76	
23 33 13 16-0232	EA		32" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	156.36	20.65
			<i>For Horizontal, Add</i>	14.16	
			<i>For Dynamic Damper, Add</i>	21.24	
			<i>For 3 Hour Rated, Add</i>	18.88	
23 33 13 16-0233	EA		32" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	163.15	22.30
			<i>For Horizontal, Add</i>	14.41	
			<i>For Dynamic Damper, Add</i>	21.61	
			<i>For 3 Hour Rated, Add</i>	19.21	
23 33 13 16-0234	EA		32" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	169.95	24.05
			<i>For Horizontal, Add</i>	14.66	
			<i>For Dynamic Damper, Add</i>	21.98	
			<i>For 3 Hour Rated, Add</i>	19.54	
23 33 13 16-0235	EA		32" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	178.39	25.81
			<i>For Horizontal, Add</i>	15.15	
			<i>For Dynamic Damper, Add</i>	22.72	
			<i>For 3 Hour Rated, Add</i>	20.19	
23 33 13 16-0236	EA		32" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	188.78	27.46
			<i>For Horizontal, Add</i>	15.93	
			<i>For Dynamic Damper, Add</i>	23.90	
			<i>For 3 Hour Rated, Add</i>	21.24	
23 33 13 16-0237	EA		32" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	203.72	30.96
			<i>For Horizontal, Add</i>	16.62	
			<i>For Dynamic Damper, Add</i>	24.93	
			<i>For 3 Hour Rated, Add</i>	22.16	
23 33 13 16-0238	EA		32" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	220.62	34.37
			<i>For Horizontal, Add</i>	17.61	
			<i>For Dynamic Damper, Add</i>	26.41	
			<i>For 3 Hour Rated, Add</i>	23.48	
23 33 13 16-0239	EA		32" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	237.49	37.78
			<i>For Horizontal, Add</i>	18.59	
			<i>For Dynamic Damper, Add</i>	27.89	
			<i>For 3 Hour Rated, Add</i>	24.79	
23 33 13 16-0240	EA		32" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	252.49	39.53
			<i>For Horizontal, Add</i>	20.07	
			<i>For Dynamic Damper, Add</i>	30.10	
			<i>For 3 Hour Rated, Add</i>	26.76	
23 33 13 16-0241	EA		32" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	272.22	42.32
			<i>For Horizontal, Add</i>	21.79	
			<i>For Dynamic Damper, Add</i>	32.68	
			<i>For 3 Hour Rated, Add</i>	29.05	
23 33 13 16-0242	EA		32" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	292.57	44.70
			<i>For Horizontal, Add</i>	23.76	
			<i>For Dynamic Damper, Add</i>	35.64	
			<i>For 3 Hour Rated, Add</i>	31.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0243 EA 36" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	174.88	22.30
<i>For Horizontal, Add</i>	16.17	
<i>For Dynamic Damper, Add</i>	24.25	
<i>For 3 Hour Rated, Add</i>	21.56	
23 33 13 16-0244 EA 36" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	183.76	24.05
<i>For Horizontal, Add</i>	16.73	
<i>For Dynamic Damper, Add</i>	25.09	
<i>For 3 Hour Rated, Add</i>	22.30	
23 33 13 16-0245 EA 36" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	192.68	25.81
<i>For Horizontal, Add</i>	17.29	
<i>For Dynamic Damper, Add</i>	25.93	
<i>For 3 Hour Rated, Add</i>	23.05	
23 33 13 16-0246 EA 36" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	203.47	27.46
<i>For Horizontal, Add</i>	18.13	
<i>For Dynamic Damper, Add</i>	27.20	
<i>For 3 Hour Rated, Add</i>	24.18	
23 33 13 16-0247 EA 36" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	216.61	30.96
<i>For Horizontal, Add</i>	18.56	
<i>For Dynamic Damper, Add</i>	27.83	
<i>For 3 Hour Rated, Add</i>	24.74	
23 33 13 16-0248 EA 36" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	224.59	32.62
<i>For Horizontal, Add</i>	18.98	
<i>For Dynamic Damper, Add</i>	28.47	
<i>For 3 Hour Rated, Add</i>	25.31	
23 33 13 16-0249 EA 36" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	249.44	37.78
<i>For Horizontal, Add</i>	20.39	
<i>For Dynamic Damper, Add</i>	30.58	
<i>For 3 Hour Rated, Add</i>	27.18	
23 33 13 16-0250 EA 36" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	269.13	41.29
<i>For Horizontal, Add</i>	21.79	
<i>For Dynamic Damper, Add</i>	32.68	
<i>For 3 Hour Rated, Add</i>	29.05	
23 33 13 16-0251 EA 36" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	284.51	42.64
<i>For Horizontal, Add</i>	23.48	
<i>For Dynamic Damper, Add</i>	35.21	
<i>For 3 Hour Rated, Add</i>	31.30	
23 33 13 16-0252 EA 36" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	308.78	45.73
<i>For Horizontal, Add</i>	25.72	
<i>For Dynamic Damper, Add</i>	38.59	
<i>For 3 Hour Rated, Add</i>	34.30	
23 33 13 16-0253 EA 36" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	329.12	48.11
<i>For Horizontal, Add</i>	27.69	
<i>For Dynamic Damper, Add</i>	41.54	
<i>For 3 Hour Rated, Add</i>	36.92	
23 33 13 16-0254 EA 36" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	349.28	49.85
<i>For Horizontal, Add</i>	29.94	
<i>For Dynamic Damper, Add</i>	44.91	
<i>For 3 Hour Rated, Add</i>	39.92	
23 33 13 16-0255 EA 40" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	195.33	25.81
<i>For Horizontal, Add</i>	18.46	
<i>For Dynamic Damper, Add</i>	27.69	
<i>For 3 Hour Rated, Add</i>	24.62	
23 33 13 16-0256 EA 40" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	208.00	27.46
<i>For Horizontal, Add</i>	19.59	
<i>For Dynamic Damper, Add</i>	29.38	
<i>For 3 Hour Rated, Add</i>	26.12	
23 33 13 16-0257 EA 40" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	215.03	29.22
<i>For Horizontal, Add</i>	19.87	
<i>For Dynamic Damper, Add</i>	29.80	
<i>For 3 Hour Rated, Add</i>	26.49	
23 33 13 16-0258 EA 40" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	222.07	30.96
<i>For Horizontal, Add</i>	20.15	
<i>For Dynamic Damper, Add</i>	30.22	
<i>For 3 Hour Rated, Add</i>	26.87	
23 33 13 16-0259 EA 40" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	238.95	32.62
<i>For Horizontal, Add</i>	21.13	
<i>For Dynamic Damper, Add</i>	31.70	
<i>For 3 Hour Rated, Add</i>	28.18	
23 33 13 16-0260 EA 40" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	250.68	34.37
<i>For Horizontal, Add</i>	22.12	
<i>For Dynamic Damper, Add</i>	33.18	
<i>For 3 Hour Rated, Add</i>	29.49	
23 33 13 16-0261 EA 40" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	273.66	39.53
<i>For Horizontal, Add</i>	23.24	
<i>For Dynamic Damper, Add</i>	34.86	
<i>For 3 Hour Rated, Add</i>	30.99	
23 33 13 16-0262 EA 40" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	291.47	42.94
<i>For Horizontal, Add</i>	24.37	
<i>For Dynamic Damper, Add</i>	36.55	
<i>For 3 Hour Rated, Add</i>	32.49	
23 33 13 16-0263 EA 40" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	310.98	45.73
<i>For Horizontal, Add</i>	26.05	
<i>For Dynamic Damper, Add</i>	39.08	
<i>For 3 Hour Rated, Add</i>	34.74	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0264	EA		40" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	338.82	48.11
			<i>For Horizontal, Add</i>	29.15	
			<i>For Dynamic Damper, Add</i>	43.72	
			<i>For 3 Hour Rated, Add</i>	38.86	
23 33 13 16-0265	EA		40" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	358.31	50.89
			<i>For Horizontal, Add</i>	30.83	
			<i>For Dynamic Damper, Add</i>	46.25	
			<i>For 3 Hour Rated, Add</i>	41.11	
23 33 13 16-0266	EA		40" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	383.06	52.23
			<i>For Horizontal, Add</i>	33.92	
			<i>For Dynamic Damper, Add</i>	50.89	
			<i>For 3 Hour Rated, Add</i>	45.23	
23 33 13 16-0267	EA		40" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	410.06	55.02
			<i>For Horizontal, Add</i>	36.74	
			<i>For Dynamic Damper, Add</i>	55.10	
			<i>For 3 Hour Rated, Add</i>	48.98	
23 33 13 16-0268	EA		44" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	204.25	25.81
			<i>For Horizontal, Add</i>	19.02	
			<i>For Dynamic Damper, Add</i>	28.54	
			<i>For 3 Hour Rated, Add</i>	25.37	
23 33 13 16-0269	EA		44" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	216.91	27.46
			<i>For Horizontal, Add</i>	20.15	
			<i>For Dynamic Damper, Add</i>	30.22	
			<i>For 3 Hour Rated, Add</i>	26.87	
23 33 13 16-0270	EA		44" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	227.70	29.22
			<i>For Horizontal, Add</i>	20.99	
			<i>For Dynamic Damper, Add</i>	31.49	
			<i>For 3 Hour Rated, Add</i>	27.99	
23 33 13 16-0271	EA		44" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	234.73	30.96
			<i>For Horizontal, Add</i>	21.27	
			<i>For Dynamic Damper, Add</i>	31.91	
			<i>For 3 Hour Rated, Add</i>	28.37	
23 33 13 16-0272	EA		44" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	247.39	32.62
			<i>For Horizontal, Add</i>	22.40	
			<i>For Dynamic Damper, Add</i>	33.60	
			<i>For 3 Hour Rated, Add</i>	29.87	
23 33 13 16-0273	EA		44" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	260.06	34.37
			<i>For Horizontal, Add</i>	23.52	
			<i>For Dynamic Damper, Add</i>	35.29	
			<i>For 3 Hour Rated, Add</i>	31.37	
23 33 13 16-0274	EA		44" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	290.07	41.29
			<i>For Horizontal, Add</i>	24.93	
			<i>For Dynamic Damper, Add</i>	37.40	
			<i>For 3 Hour Rated, Add</i>	33.24	
23 33 13 16-0275	EA		44" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	309.75	44.70
			<i>For Horizontal, Add</i>	26.33	
			<i>For Dynamic Damper, Add</i>	39.50	
			<i>For 3 Hour Rated, Add</i>	35.11	
23 33 13 16-0276	EA		44" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	338.82	48.11
			<i>For Horizontal, Add</i>	29.15	
			<i>For Dynamic Damper, Add</i>	43.72	
			<i>For 3 Hour Rated, Add</i>	38.86	
23 33 13 16-0277	EA		44" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	366.00	51.61
			<i>For Horizontal, Add</i>	31.68	
			<i>For Dynamic Damper, Add</i>	47.51	
			<i>For 3 Hour Rated, Add</i>	42.23	
23 33 13 16-0278	EA		44" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	395.06	55.02
			<i>For Horizontal, Add</i>	34.49	
			<i>For Dynamic Damper, Add</i>	51.73	
			<i>For 3 Hour Rated, Add</i>	45.98	
23 33 13 16-0279	EA		44" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	417.09	56.67
			<i>For Horizontal, Add</i>	37.02	
			<i>For Dynamic Damper, Add</i>	55.52	
			<i>For 3 Hour Rated, Add</i>	49.35	
23 33 13 16-0280	EA		44" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	439.12	58.42
			<i>For Horizontal, Add</i>	39.55	
			<i>For Dynamic Damper, Add</i>	59.32	
			<i>For 3 Hour Rated, Add</i>	52.73	
23 33 13 16-0281	EA		44" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	461.16	60.18
			<i>For Horizontal, Add</i>	42.08	
			<i>For Dynamic Damper, Add</i>	63.12	
			<i>For 3 Hour Rated, Add</i>	56.10	
23 33 13 16-0282	EA		48" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	215.03	27.46
			<i>For Horizontal, Add</i>	19.87	
			<i>For Dynamic Damper, Add</i>	29.80	
			<i>For 3 Hour Rated, Add</i>	26.49	
23 33 13 16-0283	EA		48" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	227.70	29.22
			<i>For Horizontal, Add</i>	20.99	
			<i>For Dynamic Damper, Add</i>	31.49	
			<i>For 3 Hour Rated, Add</i>	27.99	
23 33 13 16-0284	EA		48" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	234.73	30.96
			<i>For Horizontal, Add</i>	21.27	
			<i>For Dynamic Damper, Add</i>	31.91	
			<i>For 3 Hour Rated, Add</i>	28.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0285 EA 48" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	250.68	34.37
<i>For Horizontal, Add</i>	22.12	
<i>For Dynamic Damper, Add</i>	33.18	
<i>For 3 Hour Rated, Add</i>	29.49	
23 33 13 16-0286 EA 48" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	268.49	37.78
<i>For Horizontal, Add</i>	23.24	
<i>For Dynamic Damper, Add</i>	34.86	
<i>For 3 Hour Rated, Add</i>	30.99	
23 33 13 16-0287 EA 48" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	286.31	41.29
<i>For Horizontal, Add</i>	24.37	
<i>For Dynamic Damper, Add</i>	36.55	
<i>For 3 Hour Rated, Add</i>	32.49	
23 33 13 16-0288 EA 48" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	307.88	44.70
<i>For Horizontal, Add</i>	26.05	
<i>For Dynamic Damper, Add</i>	39.08	
<i>For 3 Hour Rated, Add</i>	34.74	
23 33 13 16-0289 EA 48" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	329.45	48.11
<i>For Horizontal, Add</i>	27.74	
<i>For Dynamic Damper, Add</i>	41.61	
<i>For 3 Hour Rated, Add</i>	36.99	
23 33 13 16-0290 EA 48" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	356.63	51.61
<i>For Horizontal, Add</i>	30.27	
<i>For Dynamic Damper, Add</i>	45.41	
<i>For 3 Hour Rated, Add</i>	40.36	
23 33 13 16-0291 EA 48" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	387.56	55.02
<i>For Horizontal, Add</i>	33.36	
<i>For Dynamic Damper, Add</i>	50.04	
<i>For 3 Hour Rated, Add</i>	44.48	
23 33 13 16-0292 EA 48" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	409.61	56.67
<i>For Horizontal, Add</i>	35.89	
<i>For Dynamic Damper, Add</i>	53.84	
<i>For 3 Hour Rated, Add</i>	47.86	
23 33 13 16-0293 EA 48" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	437.24	58.42
<i>For Horizontal, Add</i>	39.26	
<i>For Dynamic Damper, Add</i>	58.90	
<i>For 3 Hour Rated, Add</i>	52.35	
23 33 13 16-0294 EA 48" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	464.45	61.83
<i>For Horizontal, Add</i>	41.80	
<i>For Dynamic Damper, Add</i>	62.69	
<i>For 3 Hour Rated, Add</i>	55.73	
23 33 13 16-0295 EA 48" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	492.09	63.59
<i>For Horizontal, Add</i>	45.17	
<i>For Dynamic Damper, Add</i>	67.75	
<i>For 3 Hour Rated, Add</i>	60.23	
23 33 13 16-0296 EA 48" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	522.57	68.75
<i>For Horizontal, Add</i>	47.42	
<i>For Dynamic Damper, Add</i>	71.13	
<i>For 3 Hour Rated, Add</i>	63.22	
23 33 13 16-0297 EA 52" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	225.82	29.22
<i>For Horizontal, Add</i>	20.71	
<i>For Dynamic Damper, Add</i>	31.07	
<i>For 3 Hour Rated, Add</i>	27.62	
23 33 13 16-0298 EA 52" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	238.48	30.96
<i>For Horizontal, Add</i>	21.84	
<i>For Dynamic Damper, Add</i>	32.76	
<i>For 3 Hour Rated, Add</i>	29.12	
23 33 13 16-0299 EA 52" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	256.31	34.37
<i>For Horizontal, Add</i>	22.96	
<i>For Dynamic Damper, Add</i>	34.44	
<i>For 3 Hour Rated, Add</i>	30.62	
23 33 13 16-0300 EA 52" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	268.49	37.78
<i>For Horizontal, Add</i>	23.24	
<i>For Dynamic Damper, Add</i>	34.86	
<i>For 3 Hour Rated, Add</i>	30.99	
23 33 13 16-0301 EA 52" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	287.26	41.29
<i>For Horizontal, Add</i>	24.51	
<i>For Dynamic Damper, Add</i>	36.76	
<i>For 3 Hour Rated, Add</i>	32.68	
23 33 13 16-0302 EA 52" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	306.00	44.70
<i>For Horizontal, Add</i>	25.77	
<i>For Dynamic Damper, Add</i>	38.66	
<i>For 3 Hour Rated, Add</i>	34.36	
23 33 13 16-0303 EA 52" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	327.58	48.11
<i>For Horizontal, Add</i>	27.46	
<i>For Dynamic Damper, Add</i>	41.19	
<i>For 3 Hour Rated, Add</i>	36.61	
23 33 13 16-0304 EA 52" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	349.13	51.61
<i>For Horizontal, Add</i>	29.15	
<i>For Dynamic Damper, Add</i>	43.72	
<i>For 3 Hour Rated, Add</i>	38.86	
23 33 13 16-0305 EA 52" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	376.33	55.02
<i>For Horizontal, Add</i>	31.68	
<i>For Dynamic Damper, Add</i>	47.51	
<i>For 3 Hour Rated, Add</i>	42.23	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0306	EA		52" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	409.13	58.42
			<i>For Horizontal, Add</i>	35.05	
			<i>For Dynamic Damper, Add</i>	52.57	
			<i>For 3 Hour Rated, Add</i>	46.73	
23 33 13 16-0307	EA		52" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	433.03	60.18
			<i>For Horizontal, Add</i>	37.86	
			<i>For Dynamic Damper, Add</i>	56.79	
			<i>For 3 Hour Rated, Add</i>	50.48	
23 33 13 16-0308	EA		52" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	462.57	61.83
			<i>For Horizontal, Add</i>	41.51	
			<i>For Dynamic Damper, Add</i>	62.27	
			<i>For 3 Hour Rated, Add</i>	55.35	
23 33 13 16-0309	EA		52" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	495.36	65.34
			<i>For Horizontal, Add</i>	44.89	
			<i>For Dynamic Damper, Add</i>	67.33	
			<i>For 3 Hour Rated, Add</i>	59.85	
23 33 13 16-0310	EA		52" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	522.57	68.75
			<i>For Horizontal, Add</i>	47.42	
			<i>For Dynamic Damper, Add</i>	71.13	
			<i>For 3 Hour Rated, Add</i>	63.22	
23 33 13 16-0311	EA		52" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	560.53	73.91
			<i>For Horizontal, Add</i>	50.79	
			<i>For Dynamic Damper, Add</i>	76.19	
			<i>For 3 Hour Rated, Add</i>	67.72	
23 33 13 16-0312	EA		52" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	589.60	77.31
			<i>For Horizontal, Add</i>	53.60	
			<i>For Dynamic Damper, Add</i>	80.40	
			<i>For 3 Hour Rated, Add</i>	71.47	
23 33 13 16-0313	EA		56" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	234.73	30.96
			<i>For Horizontal, Add</i>	21.27	
			<i>For Dynamic Damper, Add</i>	31.91	
			<i>For 3 Hour Rated, Add</i>	28.37	
23 33 13 16-0314	EA		56" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	254.42	34.37
			<i>For Horizontal, Add</i>	22.68	
			<i>For Dynamic Damper, Add</i>	34.02	
			<i>For 3 Hour Rated, Add</i>	30.24	
23 33 13 16-0315	EA		56" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	270.37	37.78
			<i>For Horizontal, Add</i>	23.52	
			<i>For Dynamic Damper, Add</i>	35.29	
			<i>For 3 Hour Rated, Add</i>	31.37	
23 33 13 16-0316	EA		56" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	282.56	41.29
			<i>For Horizontal, Add</i>	23.80	
			<i>For Dynamic Damper, Add</i>	35.71	
			<i>For 3 Hour Rated, Add</i>	31.74	
23 33 13 16-0317	EA		56" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	303.20	44.70
			<i>For Horizontal, Add</i>	25.35	
			<i>For Dynamic Damper, Add</i>	38.03	
			<i>For 3 Hour Rated, Add</i>	33.80	
23 33 13 16-0318	EA		56" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	323.83	48.11
			<i>For Horizontal, Add</i>	26.90	
			<i>For Dynamic Damper, Add</i>	40.34	
			<i>For 3 Hour Rated, Add</i>	35.86	
23 33 13 16-0319	EA		56" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	344.45	51.61
			<i>For Horizontal, Add</i>	28.44	
			<i>For Dynamic Damper, Add</i>	42.66	
			<i>For 3 Hour Rated, Add</i>	37.92	
23 33 13 16-0320	EA		56" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	365.08	55.02
			<i>For Horizontal, Add</i>	29.99	
			<i>For Dynamic Damper, Add</i>	44.98	
			<i>For 3 Hour Rated, Add</i>	39.98	
23 33 13 16-0321	EA		56" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	397.88	58.42
			<i>For Horizontal, Add</i>	33.36	
			<i>For Dynamic Damper, Add</i>	50.04	
			<i>For 3 Hour Rated, Add</i>	44.48	
23 33 13 16-0322	EA		56" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	425.54	60.18
			<i>For Horizontal, Add</i>	36.74	
			<i>For Dynamic Damper, Add</i>	55.10	
			<i>For 3 Hour Rated, Add</i>	48.98	
23 33 13 16-0323	EA		56" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	451.32	61.83
			<i>For Horizontal, Add</i>	39.83	
			<i>For Dynamic Damper, Add</i>	59.74	
			<i>For 3 Hour Rated, Add</i>	53.10	
23 33 13 16-0324	EA		56" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	487.88	65.34
			<i>For Horizontal, Add</i>	43.76	
			<i>For Dynamic Damper, Add</i>	65.65	
			<i>For 3 Hour Rated, Add</i>	58.35	
23 33 13 16-0325	EA		56" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	520.69	68.75
			<i>For Horizontal, Add</i>	47.14	
			<i>For Dynamic Damper, Add</i>	70.70	
			<i>For 3 Hour Rated, Add</i>	62.85	
23 33 13 16-0326	EA		56" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	555.37	72.15
			<i>For Horizontal, Add</i>	50.79	
			<i>For Dynamic Damper, Add</i>	76.19	
			<i>For 3 Hour Rated, Add</i>	67.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0327 EA 56" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	584.45	75.66
<i>For Horizontal, Add</i>	53.60	
<i>For Dynamic Damper, Add</i>	80.40	
<i>For 3 Hour Rated, Add</i>	71.47	
23 33 13 16-0328 EA 56" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	619.12	79.07
<i>For Horizontal, Add</i>	57.26	
<i>For Dynamic Damper, Add</i>	85.88	
<i>For 3 Hour Rated, Add</i>	76.34	
23 33 13 16-0329 EA 56" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	653.81	82.48
<i>For Horizontal, Add</i>	60.91	
<i>For Dynamic Damper, Add</i>	91.37	
<i>For 3 Hour Rated, Add</i>	81.21	
23 33 13 16-0330 EA 60" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	250.68	34.37
<i>For Horizontal, Add</i>	22.12	
<i>For Dynamic Damper, Add</i>	33.18	
<i>For 3 Hour Rated, Add</i>	29.49	
23 33 13 16-0331 EA 60" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	270.37	37.78
<i>For Horizontal, Add</i>	23.52	
<i>For Dynamic Damper, Add</i>	35.29	
<i>For 3 Hour Rated, Add</i>	31.37	
23 33 13 16-0332 EA 60" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	284.43	41.29
<i>For Horizontal, Add</i>	24.08	
<i>For Dynamic Damper, Add</i>	36.13	
<i>For 3 Hour Rated, Add</i>	32.11	
23 33 13 16-0333 EA 60" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	296.63	44.70
<i>For Horizontal, Add</i>	24.37	
<i>For Dynamic Damper, Add</i>	36.55	
<i>For 3 Hour Rated, Add</i>	32.49	
23 33 13 16-0334 EA 60" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	318.21	48.11
<i>For Horizontal, Add</i>	26.05	
<i>For Dynamic Damper, Add</i>	39.08	
<i>For 3 Hour Rated, Add</i>	34.74	
23 33 13 16-0335 EA 60" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	339.76	51.61
<i>For Horizontal, Add</i>	27.74	
<i>For Dynamic Damper, Add</i>	41.61	
<i>For 3 Hour Rated, Add</i>	36.99	
23 33 13 16-0336 EA 60" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	362.27	55.02
<i>For Horizontal, Add</i>	29.57	
<i>For Dynamic Damper, Add</i>	44.35	
<i>For 3 Hour Rated, Add</i>	39.42	
23 33 13 16-0337 EA 60" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	384.77	58.42
<i>For Horizontal, Add</i>	31.39	
<i>For Dynamic Damper, Add</i>	47.09	
<i>For 3 Hour Rated, Add</i>	41.86	
23 33 13 16-0338 EA 60" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	414.29	60.18
<i>For Horizontal, Add</i>	35.05	
<i>For Dynamic Damper, Add</i>	52.57	
<i>For 3 Hour Rated, Add</i>	46.73	
23 33 13 16-0339 EA 60" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	441.95	61.83
<i>For Horizontal, Add</i>	38.42	
<i>For Dynamic Damper, Add</i>	57.63	
<i>For 3 Hour Rated, Add</i>	51.23	
23 33 13 16-0340 EA 60" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	476.64	65.34
<i>For Horizontal, Add</i>	42.08	
<i>For Dynamic Damper, Add</i>	63.12	
<i>For 3 Hour Rated, Add</i>	56.10	
23 33 13 16-0341 EA 60" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	511.33	68.75
<i>For Horizontal, Add</i>	45.73	
<i>For Dynamic Damper, Add</i>	68.60	
<i>For 3 Hour Rated, Add</i>	60.98	
23 33 13 16-0342 EA 60" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	540.39	72.15
<i>For Horizontal, Add</i>	48.54	
<i>For Dynamic Damper, Add</i>	72.81	
<i>For 3 Hour Rated, Add</i>	64.72	
23 33 13 16-0343 EA 60" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	580.70	75.66
<i>For Horizontal, Add</i>	53.04	
<i>For Dynamic Damper, Add</i>	79.56	
<i>For 3 Hour Rated, Add</i>	70.72	
23 33 13 16-0344 EA 60" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	617.24	79.07
<i>For Horizontal, Add</i>	56.97	
<i>For Dynamic Damper, Add</i>	85.46	
<i>For 3 Hour Rated, Add</i>	75.97	
23 33 13 16-0345 EA 60" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	653.81	82.48
<i>For Horizontal, Add</i>	60.91	
<i>For Dynamic Damper, Add</i>	91.37	
<i>For 3 Hour Rated, Add</i>	81.21	
23 33 13 16-0346 EA 60" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	686.61	85.99
<i>For Horizontal, Add</i>	64.28	
<i>For Dynamic Damper, Add</i>	96.42	
<i>For 3 Hour Rated, Add</i>	85.71	
23 33 13 16-0347 EA 60" x 60" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	719.45	89.39
<i>For Horizontal, Add</i>	67.66	
<i>For Dynamic Damper, Add</i>	101.49	
<i>For 3 Hour Rated, Add</i>	90.21	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0348 Round 2 Hour Fire Damper (23 33 13 16)		
23 33 13 16-0349 EA 4" Round 2 Hour Fire Damper	60.29	20.65
23 33 13 16-0350 EA 5" Round 2 Hour Fire Damper	61.65	20.65
23 33 13 16-0351 EA 6" Round 2 Hour Fire Damper	71.37	23.43
23 33 13 16-0352 EA 7" Round 2 Hour Fire Damper	72.84	23.43
23 33 13 16-0353 EA 8" Round 2 Hour Fire Damper	84.20	25.81
23 33 13 16-0354 EA 9" Round 2 Hour Fire Damper	88.27	25.81
23 33 13 16-0355 EA 10" Round 2 Hour Fire Damper	98.08	28.69
23 33 13 16-0356 EA 12" Round 2 Hour Fire Damper	110.24	32.31
23 33 13 16-0357 EA 14" Round 2 Hour Fire Damper	125.58	36.86
23 33 13 16-0358 Round 4 Hour Fire Damper (23 33 13 16)		
23 33 13 16-0359 EA 4" x 6" Louver Type Combination Fire Damper	68.20	23.43
23 33 13 16-0360 EA 5" Round 4 Hour Fire Damper	71.91	23.43
23 33 13 16-0361 EA 6" Round 4 Hour Fire Damper	80.36	25.81
23 33 13 16-0362 EA 7" Round 4 Hour Fire Damper	85.14	25.81
23 33 13 16-0363 EA 8" Round 4 Hour Fire Damper	95.67	28.69
23 33 13 16-0364 EA 9" Round 4 Hour Fire Damper	98.59	28.69
23 33 13 16-0365 EA 10" Round 4 Hour Fire Damper	110.33	32.31
23 33 13 16-0366 EA 12" Round 4 Hour Fire Damper	123.73	36.86
23 33 13 16-0367 EA 14" Round 4 Hour Fire Damper	144.35	43.05
23 33 13 19 Smoke-Control Dampers (23 33 13)		
23 33 13 19-0001 Combination Smoke/Fire Damper (23 33 13 19)		
Note: Leakage class I with Firestat UL 555S air foil blades.		
23 33 13 19-0002 EA 6" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	106.25	17.19
For 3 Hour Rated, Add	10.94	
23 33 13 19-0003 EA 8" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	109.92	17.97
For 3 Hour Rated, Add	11.21	
23 33 13 19-0004 EA 8" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	111.57	18.12
For 3 Hour Rated, Add	11.48	
23 33 13 19-0005 EA 10" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	111.57	18.12
For 3 Hour Rated, Add	11.48	
23 33 13 19-0006 EA 10" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	114.46	18.58
For 3 Hour Rated, Add	11.74	
23 33 13 19-0007 EA 10" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	123.36	20.59
For 3 Hour Rated, Add	12.28	
23 33 13 19-0008 EA 12" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	114.46	18.58
For 3 Hour Rated, Add	11.74	
23 33 13 19-0009 EA 12" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	120.26	19.66
For 3 Hour Rated, Add	12.28	
23 33 13 19-0010 EA 12" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	124.70	20.59
For 3 Hour Rated, Add	12.55	
23 33 13 19-0011 EA 12" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	133.79	23.22
For 3 Hour Rated, Add	12.82	
23 33 13 19-0012 EA 14" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	119.59	19.66
For 3 Hour Rated, Add	12.15	
23 33 13 19-0013 EA 14" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	124.70	20.59
For 3 Hour Rated, Add	12.55	
23 33 13 19-0014 EA 14" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	129.15	21.68
For 3 Hour Rated, Add	12.82	
23 33 13 19-0015 EA 14" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	135.15	23.22
For 3 Hour Rated, Add	13.09	
23 33 13 19-0016 EA 14" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	146.25	25.86
For 3 Hour Rated, Add	13.77	
23 33 13 19-0017 EA 16" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	173.97	20.59
For 3 Hour Rated, Add	22.41	
23 33 13 19-0018 EA 16" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	179.96	22.14
For 3 Hour Rated, Add	22.68	
23 33 13 19-0019 EA 16" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	187.51	24.31
For 3 Hour Rated, Add	22.95	
23 33 13 19-0020 EA 16" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	193.48	25.86
For 3 Hour Rated, Add	23.21	
23 33 13 19-0021 EA 16" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	204.60	28.33
For 3 Hour Rated, Add	23.89	
23 33 13 19-0022 EA 16" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	215.71	30.96
For 3 Hour Rated, Add	24.56	
23 33 13 19-0023 EA 18" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	178.42	21.68
For 3 Hour Rated, Add	22.68	
23 33 13 19-0024 EA 18" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	185.07	23.22
For 3 Hour Rated, Add	23.08	
23 33 13 19-0025 EA 18" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	194.85	25.86
For 3 Hour Rated, Add	23.49	
23 33 13 19-0026 EA 18" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	205.95	28.33
For 3 Hour Rated, Add	24.16	
23 33 13 19-0027 EA 18" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	216.38	30.96
For 3 Hour Rated, Add	24.70	
23 33 13 19-0028 EA 18" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	227.49	33.45
For 3 Hour Rated, Add	25.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0029 EA 18" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	237.26 25.77	36.08
23 33 13 19-0030 EA 20" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	184.41 22.95	23.22
23 33 13 19-0031 EA 20" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	194.84 23.48	25.86
23 33 13 19-0032 EA 20" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	205.27 24.02	28.33
23 33 13 19-0033 EA 20" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	218.41 25.10	30.96
23 33 13 19-0034 EA 20" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	228.17 25.51	33.45
23 33 13 19-0035 EA 20" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	237.94 25.91	36.08
23 33 13 19-0036 EA 20" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	248.37 26.45	38.71
23 33 13 19-0037 EA 20" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	258.80 26.99	41.19
23 33 13 19-0038 EA 24" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	249.92 34.50	25.86
23 33 13 19-0039 EA 24" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	261.71 35.31	28.33
23 33 13 19-0040 EA 24" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	272.16 35.85	30.96
23 33 13 19-0041 EA 24" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	283.93 36.66	33.45
23 33 13 19-0042 EA 24" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	293.70 37.06	36.08
23 33 13 19-0043 EA 24" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	303.46 37.47	38.71
23 33 13 19-0044 EA 24" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	315.24 38.27	41.19
23 33 13 19-0045 EA 24" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	334.76 39.08	46.45
23 33 13 19-0046 EA 24" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	355.63 40.16	51.56
23 33 13 19-0047 EA 28" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	261.71 35.31	28.33
23 33 13 19-0048 EA 28" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	272.16 35.85	30.96
23 33 13 19-0049 EA 28" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	283.93 36.66	33.45
23 33 13 19-0050 EA 28" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	294.37 37.20	36.08
23 33 13 19-0051 EA 28" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	305.48 37.87	38.71
23 33 13 19-0052 EA 28" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	316.58 38.54	41.19
23 33 13 19-0053 EA 28" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	336.10 39.35	46.45
23 33 13 19-0054 EA 28" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	355.63 40.16	51.56
23 33 13 19-0055 EA 28" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	371.45 41.78	54.19
23 33 13 19-0056 EA 28" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	393.68 43.12	59.31
23 33 13 19-0057 EA 32" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	276.19 36.66	30.96
23 33 13 19-0058 EA 32" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	285.27 36.93	33.45
23 33 13 19-0059 EA 32" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	294.37 37.20	36.08
23 33 13 19-0060 EA 32" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	304.80 37.73	38.71
23 33 13 19-0061 EA 32" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	316.83 38.59	41.19
23 33 13 19-0062 EA 32" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	336.10 39.35	46.45
23 33 13 19-0063 EA 32" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	356.98 40.43	51.56
23 33 13 19-0064 EA 32" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	377.86 41.51	56.67
23 33 13 19-0065 EA 32" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	393.68 43.12	59.31
23 33 13 19-0066 EA 32" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	415.50 45.01	63.49
23 33 13 19-0067 EA 32" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	437.11 47.16	67.05
23 33 13 19-0068 EA 36" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	292.19 38.31	33.45
23 33 13 19-0069 EA 36" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	302.86 38.89	36.08
23 33 13 19-0070 EA 36" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	313.52 39.48	38.71

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0071	EA		36" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	325.66 40.36	41.19
23 33 13 19-0072	EA		36" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	343.35 40.80	46.45
23 33 13 19-0073	EA		36" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	353.28 41.24	48.93
23 33 13 19-0074	EA		36" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	383.84 42.70	56.67
23 33 13 19-0075	EA		36" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	406.64 44.17	61.94
23 33 13 19-0076	EA		36" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	421.61 45.92	63.95
23 33 13 19-0077	EA		36" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	447.26 48.27	68.59
23 33 13 19-0078	EA		36" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	468.34 50.31	72.15
23 33 13 19-0079	EA		36" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	487.79 52.66	74.79
23 33 13 19-0080	EA		40" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	350.66 48.45	38.71
23 33 13 19-0081	EA		40" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	364.25 49.62	41.19
23 33 13 19-0082	EA		40" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	373.46 49.92	43.82
23 33 13 19-0083	EA		40" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	382.67 50.21	46.45
23 33 13 19-0084	EA		40" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	403.27 51.24	48.93
23 33 13 19-0085	EA		40" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	416.14 52.26	51.56
23 33 13 19-0086	EA		40" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	445.24 53.43	59.31
23 33 13 19-0087	EA		40" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	466.57 54.60	64.41
23 33 13 19-0088	EA		40" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	487.74 56.36	68.59
23 33 13 19-0089	EA		40" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	514.68 59.58	72.15
23 33 13 19-0090	EA		40" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	535.85 61.34	76.34
23 33 13 19-0091	EA		40" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	558.15 64.56	78.35
23 33 13 19-0092	EA		40" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	585.19 67.49	82.53
23 33 13 19-0093	EA		44" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	361.33 49.04	38.71
23 33 13 19-0094	EA		44" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	374.93 50.21	41.19
23 33 13 19-0095	EA		44" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	387.06 51.09	43.82
23 33 13 19-0096	EA		44" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	396.27 51.38	46.45
23 33 13 19-0097	EA		44" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	409.87 52.56	48.93
23 33 13 19-0098	EA		44" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	423.46 53.73	51.56
23 33 13 19-0099	EA		44" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	461.77 55.19	61.94
23 33 13 19-0100	EA		44" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	484.56 56.65	67.05
23 33 13 19-0101	EA		44" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	514.68 59.58	72.15
23 33 13 19-0102	EA		44" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	543.34 62.22	77.42
23 33 13 19-0103	EA		44" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	573.46 65.14	82.53
23 33 13 19-0104	EA		44" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	594.38 67.78	85.00
23 33 13 19-0105	EA		44" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	615.30 70.42	87.64
23 33 13 19-0106	EA		44" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	636.23 73.05	90.27
23 33 13 19-0107	EA		48" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	373.46 49.92	41.19
23 33 13 19-0108	EA		48" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	387.06 51.09	43.82
23 33 13 19-0109	EA		48" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	396.27 51.38	46.45
23 33 13 19-0110	EA		48" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	416.14 52.26	51.56
23 33 13 19-0111	EA		48" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	437.49 53.43	56.67
23 33 13 19-0112	EA		48" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	458.83 54.60	61.94



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0113 EA 48" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	483.10 56.36	67.05
23 33 13 19-0114 EA 48" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	507.36 58.12	72.15
23 33 13 19-0115 EA 48" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	536.02 60.75	77.42
23 33 13 19-0116 EA 48" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	567.60 63.97	82.53
23 33 13 19-0117 EA 48" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	588.54 66.61	85.00
23 33 13 19-0118 EA 48" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	613.83 70.12	87.64
23 33 13 19-0119 EA 48" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	642.51 72.76	92.74
23 33 13 19-0120 EA 48" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	667.82 76.27	95.38
23 33 13 19-0121 EA 48" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	702.76 78.62	103.12
23 33 13 19-0122 EA 52" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	385.59 50.80	43.82
23 33 13 19-0123 EA 52" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	399.19 51.97	46.45
23 33 13 19-0124 EA 52" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	420.53 53.14	51.56
23 33 13 19-0125 EA 52" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	437.49 53.43	56.67
23 33 13 19-0126 EA 52" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	459.57 54.75	61.94
23 33 13 19-0127 EA 52" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	481.64 56.07	67.05
23 33 13 19-0128 EA 52" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	505.90 57.83	72.15
23 33 13 19-0129 EA 52" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	530.16 59.58	77.42
23 33 13 19-0130 EA 52" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	558.83 62.22	82.53
23 33 13 19-0131 EA 52" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	591.88 65.73	87.64
23 33 13 19-0132 EA 52" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	614.25 68.66	90.27
23 33 13 19-0133 EA 52" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	641.05 72.47	92.74
23 33 13 19-0134 EA 52" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	674.08 75.98	98.01
23 33 13 19-0135 EA 52" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	702.76 78.62	103.12
23 33 13 19-0136 EA 52" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	743.54 82.13	110.86
23 33 13 19-0137 EA 52" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	773.67 85.06	115.98
23 33 13 19-0138 EA 56" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	396.27 51.38	46.45
23 33 13 19-0139 EA 56" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	419.06 52.85	51.56
23 33 13 19-0140 EA 56" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	438.95 53.73	56.67
23 33 13 19-0141 EA 56" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	455.90 54.02	61.94
23 33 13 19-0142 EA 56" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	479.44 55.63	67.05
23 33 13 19-0143 EA 56" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	502.97 57.24	72.15
23 33 13 19-0144 EA 56" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	526.50 58.85	77.42
23 33 13 19-0145 EA 56" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	550.04 60.46	82.53
23 33 13 19-0146 EA 56" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	583.08 63.97	87.64
23 33 13 19-0147 EA 56" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	608.41 67.49	90.27
23 33 13 19-0148 EA 56" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	632.25 70.71	92.74
23 33 13 19-0149 EA 56" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	668.23 74.81	98.01
23 33 13 19-0150 EA 56" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	701.29 78.32	103.12
23 33 13 19-0151 EA 56" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	735.80 82.13	108.24
23 33 13 19-0152 EA 56" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	765.93 85.06	113.49
23 33 13 19-0153 EA 56" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	800.44 88.86	118.60
23 33 13 19-0154 EA 56" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	834.95 92.67	123.72

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0155	EA		60" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	416.14	51.56
			<i>For 3 Hour Rated, Add</i>	52.26	
23 33 13 19-0156	EA		60" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	438.95	56.67
			<i>For 3 Hour Rated, Add</i>	53.73	
23 33 13 19-0157	EA		60" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	457.37	61.94
			<i>For 3 Hour Rated, Add</i>	54.31	
23 33 13 19-0158	EA		60" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	474.31	67.05
			<i>For 3 Hour Rated, Add</i>	54.60	
23 33 13 19-0159	EA		60" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	498.58	72.15
			<i>For 3 Hour Rated, Add</i>	56.36	
23 33 13 19-0160	EA		60" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	522.84	77.42
			<i>For 3 Hour Rated, Add</i>	58.12	
23 33 13 19-0161	EA		60" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	547.84	82.53
			<i>For 3 Hour Rated, Add</i>	60.02	
23 33 13 19-0162	EA		60" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	572.85	87.64
			<i>For 3 Hour Rated, Add</i>	61.93	
23 33 13 19-0163	EA		60" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	599.62	90.27
			<i>For 3 Hour Rated, Add</i>	65.73	
23 33 13 19-0164	EA		60" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	624.93	92.74
			<i>For 3 Hour Rated, Add</i>	69.24	
23 33 13 19-0165	EA		60" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	659.46	98.01
			<i>For 3 Hour Rated, Add</i>	73.05	
23 33 13 19-0166	EA		60" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	693.98	103.12
			<i>For 3 Hour Rated, Add</i>	76.86	
23 33 13 19-0167	EA		60" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	724.10	108.24
			<i>For 3 Hour Rated, Add</i>	79.79	
23 33 13 19-0168	EA		60" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	763.00	113.49
			<i>For 3 Hour Rated, Add</i>	84.47	
23 33 13 19-0169	EA		60" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	798.98	118.60
			<i>For 3 Hour Rated, Add</i>	88.57	
23 33 13 19-0170	EA		60" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	834.95	123.72
			<i>For 3 Hour Rated, Add</i>	92.67	
23 33 13 19-0171	EA		60" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	868.01	128.98
			<i>For 3 Hour Rated, Add</i>	96.18	
23 33 13 19-0172	EA		60" x 60" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	901.08	134.09
			<i>For 3 Hour Rated, Add</i>	99.70	
23 33 13 19-0173			Smoke Damper <small>(23 33 13 19)</small>		
			Note: Leakage class I with Firestat UL 555S air foil blades.		
23 33 13 19-0174	EA		6" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	82.94	11.46
			<i>For Dynamic Damper, Add</i>	10.93	
			<i>For 3 Hour Rated, Add</i>	9.71	
23 33 13 19-0175	EA		8" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	85.71	11.97
			<i>For Dynamic Damper, Add</i>	11.20	
			<i>For 3 Hour Rated, Add</i>	9.96	
23 33 13 19-0176	EA		8" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	87.16	12.07
			<i>For Dynamic Damper, Add</i>	11.48	
			<i>For 3 Hour Rated, Add</i>	10.21	
23 33 13 19-0177	EA		10" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	87.16	12.07
			<i>For Dynamic Damper, Add</i>	11.48	
			<i>For 3 Hour Rated, Add</i>	10.21	
23 33 13 19-0178	EA		10" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	89.42	12.39
			<i>For Dynamic Damper, Add</i>	11.76	
			<i>For 3 Hour Rated, Add</i>	10.45	
23 33 13 19-0179	EA		10" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	96.00	13.73
			<i>For Dynamic Damper, Add</i>	12.31	
			<i>For 3 Hour Rated, Add</i>	10.94	
23 33 13 19-0180	EA		12" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	89.42	12.39
			<i>For Dynamic Damper, Add</i>	11.76	
			<i>For 3 Hour Rated, Add</i>	10.45	
23 33 13 19-0181	EA		12" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	93.94	13.11
			<i>For Dynamic Damper, Add</i>	12.31	
			<i>For 3 Hour Rated, Add</i>	10.94	
23 33 13 19-0182	EA		12" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	97.24	13.73
			<i>For Dynamic Damper, Add</i>	12.59	
			<i>For 3 Hour Rated, Add</i>	11.19	
23 33 13 19-0183	EA		12" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	103.62	15.48
			<i>For Dynamic Damper, Add</i>	12.86	
			<i>For 3 Hour Rated, Add</i>	11.43	
23 33 13 19-0184	EA		14" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	93.33	13.11
			<i>For Dynamic Damper, Add</i>	12.17	
			<i>For 3 Hour Rated, Add</i>	10.82	
23 33 13 19-0185	EA		14" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	97.24	13.73
			<i>For Dynamic Damper, Add</i>	12.59	
			<i>For 3 Hour Rated, Add</i>	11.19	
23 33 13 19-0186	EA		14" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	100.52	14.45
			<i>For Dynamic Damper, Add</i>	12.86	
			<i>For 3 Hour Rated, Add</i>	11.43	
23 33 13 19-0187	EA		14" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	104.86	15.48
			<i>For Dynamic Damper, Add</i>	13.14	
			<i>For 3 Hour Rated, Add</i>	11.68	
23 33 13 19-0188	EA		14" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	113.09	17.24
			<i>For Dynamic Damper, Add</i>	13.83	
			<i>For 3 Hour Rated, Add</i>	12.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0189 EA 16" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	142.02 22.66 20.15	13.73
23 33 13 19-0190 EA 16" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	146.35 22.94 20.39	14.76
23 33 13 19-0191 EA 16" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	151.71 23.22 20.64	16.21
23 33 13 19-0192 EA 16" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	156.02 23.49 20.88	17.24
23 33 13 19-0193 EA 16" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	164.27 24.19 21.50	18.89
23 33 13 19-0194 EA 16" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	172.51 24.88 22.11	20.65
23 33 13 19-0195 EA 18" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	145.31 22.94 20.39	14.45
23 33 13 19-0196 EA 18" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	150.25 23.36 20.76	15.48
23 33 13 19-0197 EA 18" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	157.27 23.77 21.13	17.24
23 33 13 19-0198 EA 18" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	165.50 24.46 21.75	18.89
23 33 13 19-0199 EA 18" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	173.12 25.02 22.24	20.65
23 33 13 19-0200 EA 18" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	181.36 25.71 22.85	22.30
23 33 13 19-0201 EA 18" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	188.36 26.12 23.22	24.05
23 33 13 19-0202 EA 20" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	149.64 23.22 20.64	15.48
23 33 13 19-0203 EA 20" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	157.26 23.77 21.13	17.24
23 33 13 19-0204 EA 20" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	164.88 24.32 21.62	18.89
23 33 13 19-0205 EA 20" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	174.98 25.43 22.61	20.65
23 33 13 19-0206 EA 20" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	181.98 25.85 22.98	22.30
23 33 13 19-0207 EA 20" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	188.98 26.26 23.35	24.05
23 33 13 19-0208 EA 20" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	196.60 26.82 23.84	25.81
23 33 13 19-0209 EA 20" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	204.22 27.37 24.33	27.46
23 33 13 19-0210 EA 24" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	194.31 32.11 28.54	17.24
23 33 13 19-0211 EA 24" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	203.17 32.94 29.28	18.89
23 33 13 19-0212 EA 24" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	210.81 33.50 29.77	20.65
23 33 13 19-0213 EA 24" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	219.66 34.33 30.51	22.30
23 33 13 19-0214 EA 24" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	226.65 34.74 30.88	24.05
23 33 13 19-0215 EA 24" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	233.66 35.15 31.25	25.81
23 33 13 19-0216 EA 24" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	242.51 35.98 31.99	27.46

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0217	EA		24" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	256.52	30.96
			<i>For Dynamic Damper, Add</i>	36.81	
			<i>For 3 Hour Rated, Add</i>	32.72	
23 33 13 19-0218	EA		24" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	271.77	34.37
			<i>For Dynamic Damper, Add</i>	37.92	
			<i>For 3 Hour Rated, Add</i>	33.71	
23 33 13 19-0219	EA		28" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	203.17	18.89
			<i>For Dynamic Damper, Add</i>	32.94	
			<i>For 3 Hour Rated, Add</i>	29.28	
23 33 13 19-0220	EA		28" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	210.81	20.65
			<i>For Dynamic Damper, Add</i>	33.50	
			<i>For 3 Hour Rated, Add</i>	29.77	
23 33 13 19-0221	EA		28" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	219.66	22.30
			<i>For Dynamic Damper, Add</i>	34.33	
			<i>For 3 Hour Rated, Add</i>	30.51	
23 33 13 19-0222	EA		28" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	227.26	24.05
			<i>For Dynamic Damper, Add</i>	34.88	
			<i>For 3 Hour Rated, Add</i>	31.00	
23 33 13 19-0223	EA		28" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	235.50	25.81
			<i>For Dynamic Damper, Add</i>	35.57	
			<i>For 3 Hour Rated, Add</i>	31.62	
23 33 13 19-0224	EA		28" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	243.73	27.46
			<i>For Dynamic Damper, Add</i>	36.26	
			<i>For 3 Hour Rated, Add</i>	32.23	
23 33 13 19-0225	EA		28" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	257.74	30.96
			<i>For Dynamic Damper, Add</i>	37.09	
			<i>For 3 Hour Rated, Add</i>	32.97	
23 33 13 19-0226	EA		28" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	271.77	34.37
			<i>For Dynamic Damper, Add</i>	37.92	
			<i>For 3 Hour Rated, Add</i>	33.71	
23 33 13 19-0227	EA		28" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	284.31	36.13
			<i>For Dynamic Damper, Add</i>	39.58	
			<i>For 3 Hour Rated, Add</i>	35.18	
23 33 13 19-0228	EA		28" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	300.78	39.53
			<i>For Dynamic Damper, Add</i>	40.97	
			<i>For 3 Hour Rated, Add</i>	36.41	
23 33 13 19-0229	EA		32" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	214.50	20.65
			<i>For Dynamic Damper, Add</i>	34.33	
			<i>For 3 Hour Rated, Add</i>	30.51	
23 33 13 19-0230	EA		32" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	220.87	22.30
			<i>For Dynamic Damper, Add</i>	34.60	
			<i>For 3 Hour Rated, Add</i>	30.75	
23 33 13 19-0231	EA		32" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	227.26	24.05
			<i>For Dynamic Damper, Add</i>	34.88	
			<i>For 3 Hour Rated, Add</i>	31.00	
23 33 13 19-0232	EA		32" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	234.88	25.81
			<i>For Dynamic Damper, Add</i>	35.43	
			<i>For 3 Hour Rated, Add</i>	31.49	
23 33 13 19-0233	EA		32" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	243.97	27.46
			<i>For Dynamic Damper, Add</i>	36.31	
			<i>For 3 Hour Rated, Add</i>	32.28	
23 33 13 19-0234	EA		32" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	257.74	30.96
			<i>For Dynamic Damper, Add</i>	37.09	
			<i>For 3 Hour Rated, Add</i>	32.97	
23 33 13 19-0235	EA		32" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	273.00	34.37
			<i>For Dynamic Damper, Add</i>	38.20	
			<i>For 3 Hour Rated, Add</i>	33.95	
23 33 13 19-0236	EA		32" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	288.24	37.78
			<i>For Dynamic Damper, Add</i>	39.31	
			<i>For 3 Hour Rated, Add</i>	34.94	
23 33 13 19-0237	EA		32" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	300.78	39.53
			<i>For Dynamic Damper, Add</i>	40.97	
			<i>For 3 Hour Rated, Add</i>	36.41	
23 33 13 19-0238	EA		32" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	317.65	42.32
			<i>For Dynamic Damper, Add</i>	42.91	
			<i>For 3 Hour Rated, Add</i>	38.14	
23 33 13 19-0239	EA		32" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	334.71	44.70
			<i>For Dynamic Damper, Add</i>	45.12	
			<i>For 3 Hour Rated, Add</i>	40.10	
23 33 13 19-0240	EA		36" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	225.45	22.30
			<i>For Dynamic Damper, Add</i>	35.63	
			<i>For 3 Hour Rated, Add</i>	31.67	
23 33 13 19-0241	EA		36" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	233.17	24.05
			<i>For Dynamic Damper, Add</i>	36.21	
			<i>For 3 Hour Rated, Add</i>	32.18	
23 33 13 19-0242	EA		36" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	240.91	25.81
			<i>For Dynamic Damper, Add</i>	36.79	
			<i>For 3 Hour Rated, Add</i>	32.70	
23 33 13 19-0243	EA		36" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	249.94	27.46
			<i>For Dynamic Damper, Add</i>	37.66	
			<i>For 3 Hour Rated, Add</i>	33.47	
23 33 13 19-0244	EA		36" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	262.21	30.96
			<i>For Dynamic Damper, Add</i>	38.09	
			<i>For 3 Hour Rated, Add</i>	33.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0245 EA 36" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	269.30 38.53 34.25	32.62
23 33 13 19-0246 EA 36" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	291.22 39.98 35.54	37.78
23 33 13 19-0247 EA 36" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	307.98 41.42 36.82	41.29
23 33 13 19-0248 EA 36" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	319.85 43.17 38.37	42.64
23 33 13 19-0249 EA 36" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	339.44 45.48 40.43	45.73
23 33 13 19-0250 EA 36" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	355.69 47.51 42.23	48.11
23 33 13 19-0251 EA 36" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	371.16 49.83 44.30	49.85
23 33 13 19-0252 EA 40" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	258.75 41.96 37.30	25.81
23 33 13 19-0253 EA 40" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	269.07 43.12 38.33	27.46
23 33 13 19-0254 EA 40" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	275.52 43.41 38.59	29.22
23 33 13 19-0255 EA 40" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	281.97 43.70 38.85	30.96
23 33 13 19-0256 EA 40" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	296.81 44.72 39.75	32.62
23 33 13 19-0257 EA 40" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	306.49 45.73 40.65	34.37
23 33 13 19-0258 EA 40" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	327.12 46.89 41.68	39.53
23 33 13 19-0259 EA 40" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	342.60 48.05 42.71	42.94
23 33 13 19-0260 EA 40" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	358.59 49.79 44.26	45.73
23 33 13 19-0261 EA 40" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	379.99 52.98 47.09	48.11
23 33 13 19-0262 EA 40" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	395.96 54.72 48.64	50.89
23 33 13 19-0263 EA 40" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	414.27 57.91 51.47	52.23
23 33 13 19-0264 EA 40" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	435.42 60.81 54.05	55.02
23 33 13 19-0265 EA 44" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	266.50 42.54 37.82	25.81
23 33 13 19-0266 EA 44" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	276.81 43.70 38.85	27.46
23 33 13 19-0267 EA 44" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	285.85 44.57 39.62	29.22
23 33 13 19-0268 EA 44" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	292.30 44.87 39.88	30.96
23 33 13 19-0269 EA 44" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	302.61 46.02 40.91	32.62
23 33 13 19-0270 EA 44" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	312.93 47.18 41.94	34.37
23 33 13 19-0271 EA 44" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	340.02 48.63 43.23	41.29
23 33 13 19-0272 EA 44" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	356.77 50.08 44.52	44.70

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0273	EA		44" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	379.99	48.11
			<i>For Dynamic Damper, Add</i>	52.98	
			<i>For 3 Hour Rated, Add</i>	47.09	
23 33 13 19-0274	EA		44" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	401.90	51.61
			<i>For Dynamic Damper, Add</i>	55.59	
			<i>For 3 Hour Rated, Add</i>	49.41	
23 33 13 19-0275	EA		44" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	425.10	55.02
			<i>For Dynamic Damper, Add</i>	58.49	
			<i>For 3 Hour Rated, Add</i>	51.99	
23 33 13 19-0276	EA		44" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	441.86	56.67
			<i>For Dynamic Damper, Add</i>	61.10	
			<i>For 3 Hour Rated, Add</i>	54.31	
23 33 13 19-0277	EA		44" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	458.62	58.42
			<i>For Dynamic Damper, Add</i>	63.71	
			<i>For 3 Hour Rated, Add</i>	56.63	
23 33 13 19-0278	EA		44" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	475.38	60.18
			<i>For Dynamic Damper, Add</i>	66.32	
			<i>For 3 Hour Rated, Add</i>	58.95	
23 33 13 19-0279	EA		48" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	275.52	27.46
			<i>For Dynamic Damper, Add</i>	43.41	
			<i>For 3 Hour Rated, Add</i>	38.59	
23 33 13 19-0280	EA		48" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	285.85	29.22
			<i>For Dynamic Damper, Add</i>	44.57	
			<i>For 3 Hour Rated, Add</i>	39.62	
23 33 13 19-0281	EA		48" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	292.30	30.96
			<i>For Dynamic Damper, Add</i>	44.87	
			<i>For 3 Hour Rated, Add</i>	39.88	
23 33 13 19-0282	EA		48" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	306.49	34.37
			<i>For Dynamic Damper, Add</i>	45.73	
			<i>For 3 Hour Rated, Add</i>	40.65	
23 33 13 19-0283	EA		48" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	321.95	37.78
			<i>For Dynamic Damper, Add</i>	46.89	
			<i>For 3 Hour Rated, Add</i>	41.68	
23 33 13 19-0284	EA		48" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	337.44	41.29
			<i>For Dynamic Damper, Add</i>	48.05	
			<i>For 3 Hour Rated, Add</i>	42.71	
23 33 13 19-0285	EA		48" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	355.49	44.70
			<i>For Dynamic Damper, Add</i>	49.79	
			<i>For 3 Hour Rated, Add</i>	44.26	
23 33 13 19-0286	EA		48" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	373.54	48.11
			<i>For Dynamic Damper, Add</i>	51.53	
			<i>For 3 Hour Rated, Add</i>	45.80	
23 33 13 19-0287	EA		48" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	395.45	51.61
			<i>For Dynamic Damper, Add</i>	54.14	
			<i>For 3 Hour Rated, Add</i>	48.12	
23 33 13 19-0288	EA		48" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	419.95	55.02
			<i>For Dynamic Damper, Add</i>	57.33	
			<i>For 3 Hour Rated, Add</i>	50.96	
23 33 13 19-0289	EA		48" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	436.72	56.67
			<i>For Dynamic Damper, Add</i>	59.94	
			<i>For 3 Hour Rated, Add</i>	53.28	
23 33 13 19-0290	EA		48" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	457.33	58.42
			<i>For Dynamic Damper, Add</i>	63.42	
			<i>For 3 Hour Rated, Add</i>	56.37	
23 33 13 19-0291	EA		48" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	479.26	61.83
			<i>For Dynamic Damper, Add</i>	66.03	
			<i>For 3 Hour Rated, Add</i>	58.69	
23 33 13 19-0292	EA		48" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	499.87	63.59
			<i>For Dynamic Damper, Add</i>	69.50	
			<i>For 3 Hour Rated, Add</i>	61.78	
23 33 13 19-0293	EA		48" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	525.67	68.75
			<i>For Dynamic Damper, Add</i>	71.82	
			<i>For 3 Hour Rated, Add</i>	63.84	
23 33 13 19-0294	EA		52" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	284.56	29.22
			<i>For Dynamic Damper, Add</i>	44.28	
			<i>For 3 Hour Rated, Add</i>	39.36	
23 33 13 19-0295	EA		52" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	294.87	30.96
			<i>For Dynamic Damper, Add</i>	45.44	
			<i>For 3 Hour Rated, Add</i>	40.39	
23 33 13 19-0296	EA		52" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	310.35	34.37
			<i>For Dynamic Damper, Add</i>	46.60	
			<i>For 3 Hour Rated, Add</i>	41.42	
23 33 13 19-0297	EA		52" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	321.95	37.78
			<i>For Dynamic Damper, Add</i>	46.89	
			<i>For 3 Hour Rated, Add</i>	41.68	
23 33 13 19-0298	EA		52" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	338.09	41.29
			<i>For Dynamic Damper, Add</i>	48.20	
			<i>For 3 Hour Rated, Add</i>	42.84	
23 33 13 19-0299	EA		52" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	354.20	44.70
			<i>For Dynamic Damper, Add</i>	49.50	
			<i>For 3 Hour Rated, Add</i>	44.00	
23 33 13 19-0300	EA		52" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	372.26	48.11
			<i>For Dynamic Damper, Add</i>	51.24	
			<i>For 3 Hour Rated, Add</i>	45.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0301 EA 52" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	390.30 52.98 47.09	51.61
23 33 13 19-0302 EA 52" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	412.23 55.59 49.41	55.02
23 33 13 19-0303 EA 52" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	438.00 59.07 52.50	58.42
23 33 13 19-0304 EA 52" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	456.04 61.97 55.08	60.18
23 33 13 19-0305 EA 52" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	477.97 65.74 58.43	61.83
23 33 13 19-0306 EA 52" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	503.73 69.21 61.52	65.34
23 33 13 19-0307 EA 52" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	525.67 71.82 63.84	68.75
23 33 13 19-0308 EA 52" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	556.61 75.30 66.94	73.91
23 33 13 19-0309 EA 52" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	579.82 78.20 69.51	77.31
23 33 13 19-0310 EA 56" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	292.30 44.87 39.88	30.96
23 33 13 19-0311 EA 56" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	309.06 46.31 41.17	34.37
23 33 13 19-0312 EA 56" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	323.24 47.18 41.94	37.78
23 33 13 19-0313 EA 56" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	334.85 47.47 42.20	41.29
23 33 13 19-0314 EA 56" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	352.27 49.07 43.62	44.70
23 33 13 19-0315 EA 56" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	369.68 50.66 45.03	48.11
23 33 13 19-0316 EA 56" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	387.08 52.26 46.45	51.61
23 33 13 19-0317 EA 56" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	404.49 53.85 47.87	55.02
23 33 13 19-0318 EA 56" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	430.27 57.33 50.96	58.42
23 33 13 19-0319 EA 56" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	450.90 60.81 54.05	60.18
23 33 13 19-0320 EA 56" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	470.24 64.00 56.89	61.83
23 33 13 19-0321 EA 56" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	498.59 68.06 60.49	65.34
23 33 13 19-0322 EA 56" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	524.38 71.53 63.59	68.75
23 33 13 19-0323 EA 56" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	551.45 75.30 66.94	72.15
23 33 13 19-0324 EA 56" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	574.67 78.20 69.51	75.66
23 33 13 19-0325 EA 56" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	601.73 81.97 72.86	79.07
23 33 13 19-0326 EA 56" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	628.81 85.74 76.21	82.48
23 33 13 19-0327 EA 60" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	306.49 45.73 40.65	34.37
23 33 13 19-0328 EA 60" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	323.24 47.18 41.94	37.78

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0329	EA		60" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	336.14 47.76 42.45	41.29
23 33 13 19-0330	EA		60" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	347.76 48.05 42.71	44.70
23 33 13 19-0331	EA		60" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	365.82 49.79 44.26	48.11
23 33 13 19-0332	EA		60" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	383.85 51.53 45.80	51.61
23 33 13 19-0333	EA		60" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	402.56 53.42 47.48	55.02
23 33 13 19-0334	EA		60" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	421.25 55.30 49.15	58.42
23 33 13 19-0335	EA		60" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	443.16 59.07 52.50	60.18
23 33 13 19-0336	EA		60" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	463.79 62.55 55.60	61.83
23 33 13 19-0337	EA		60" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	490.86 66.32 58.95	65.34
23 33 13 19-0338	EA		60" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	517.94 70.09 62.30	68.75
23 33 13 19-0339	EA		60" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	541.14 72.98 64.87	72.15
23 33 13 19-0340	EA		60" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	572.08 77.62 69.00	75.66
23 33 13 19-0341	EA		60" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	600.43 81.68 72.60	79.07
23 33 13 19-0342	EA		60" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	628.81 85.74 76.21	82.48
23 33 13 19-0343	EA		60" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	654.57 89.21 79.30	85.99
23 33 13 19-0344	EA		60" x 60" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	680.38 92.70 82.40	89.39

23 33 13 23 Backdraft Dampers (23 33 13)

23 33 13 23-0001 Horizontally Mounted Backdraft Damper (23 33 13 23)

Note: Galvanized steel frame, aluminum blades. Exclude motor pack.

23 33 13 23-0002	EA		6" x 6" Horizontally Mounted Backdraft Damper <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	56.82 65.84 76.03	11.46 11.97 12.07
23 33 13 23-0003	EA		8" x 6" Horizontally Mounted Backdraft Damper <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	73.54 84.34 68.16	12.07 12.39 12.39
23 33 13 23-0004	EA		8" x 8" Horizontally Mounted Backdraft Damper <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	71.60 84.34 68.16	12.39 13.73 12.39
23 33 13 23-0005	EA		10" x 6" Horizontally Mounted Backdraft Damper <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	73.54 84.34 68.16	12.07 12.39 12.39
23 33 13 23-0006	EA		10" x 8" Horizontally Mounted Backdraft Damper <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	71.60 84.34 68.16	12.39 13.73 12.39
23 33 13 23-0007	EA		10" x 10" Horizontally Mounted Backdraft Damper <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	71.60 84.34 68.16	12.39 13.73 12.39
23 33 13 23-0008	EA		12" x 6" Horizontally Mounted Backdraft Damper <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	82.62 90.35 77.21	13.73 14.45 14.45
23 33 13 23-0009	EA		12" x 8" Horizontally Mounted Backdraft Damper <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	82.62 90.35 77.21	13.73 14.45 14.45
23 33 13 23-0010	EA		12" x 10" Horizontally Mounted Backdraft Damper <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	80.97 90.35 77.21	14.45 14.45 14.45
23 33 13 23-0011	EA		12" x 12" Horizontally Mounted Backdraft Damper <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	91.60 90.35 77.21	15.48 14.45 14.45
23 33 13 23-0012	EA		14" x 6" Horizontally Mounted Backdraft Damper <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	75.39 86.58 73.54	13.11 14.45 14.45
23 33 13 23-0013	EA		14" x 8" Horizontally Mounted Backdraft Damper <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	78.46 90.35 77.21	14.45 14.45 14.45
23 33 13 23-0014	EA		14" x 10" Horizontally Mounted Backdraft Damper <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	90.35 85.38 73.54	14.45 14.45 14.45
23 33 13 23-0015	EA		14" x 12" Horizontally Mounted Backdraft Damper <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	85.38 96.17 82.62	14.45 17.24 13.73
23 33 13 23-0016	EA		14" x 14" Horizontally Mounted Backdraft Damper <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	96.17 86.58 73.54	18.89 15.48 14.45
23 33 13 23-0017	EA		16" x 6" Horizontally Mounted Backdraft Damper <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	82.62 90.35 77.21	13.73 14.45 14.45
23 33 13 23-0018	EA		16" x 8" Horizontally Mounted Backdraft Damper <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	86.58 90.35 77.21	15.48 14.45 14.45
23 33 13 23-0019	EA		16" x 10" Horizontally Mounted Backdraft Damper <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	83.77 90.35 77.21	17.24 14.45 14.45
23 33 13 23-0020	EA		16" x 12" Horizontally Mounted Backdraft Damper <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	90.20 101.79 113.39	17.24 18.89 20.65
23 33 13 23-0021	EA		16" x 14" Horizontally Mounted Backdraft Damper <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	101.79 113.39 77.21	18.89 20.65 14.45
23 33 13 23-0022	EA		16" x 16" Horizontally Mounted Backdraft Damper <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	113.39 77.21 75.39	20.65 14.45 15.48
23 33 13 23-0023	EA		18" x 6" Horizontally Mounted Backdraft Damper <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	77.21 87.78 73.54	14.45 17.24 14.45
23 33 13 23-0024	EA		18" x 8" Horizontally Mounted Backdraft Damper <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	75.39 87.78 73.54	15.48 17.24 14.45
23 33 13 23-0025	EA		18" x 10" Horizontally Mounted Backdraft Damper <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	75.39 100.18 112.58	15.48 18.89 20.65
23 33 13 23-0026	EA		18" x 12" Horizontally Mounted Backdraft Damper <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	75.39 100.18 112.58	15.48 18.89 20.65
23 33 13 23-0027	EA		18" x 14" Horizontally Mounted Backdraft Damper <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	75.39 126.83 144.62	15.48 22.30 25.81
23 33 13 23-0028	EA		18" x 16" Horizontally Mounted Backdraft Damper <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	75.39 126.83 144.62	15.48 22.30 25.81
23 33 13 23-0029	EA		18" x 18" Horizontally Mounted Backdraft Damper <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	75.39 126.83 144.62	15.48 22.30 25.81
23 33 13 23-0030	EA		18" x 20" Horizontally Mounted Backdraft Damper <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	75.39 126.83 144.62	15.48 22.30 25.81
23 33 13 23-0031	EA		18" x 24" Horizontally Mounted Backdraft Damper <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	75.39 126.83 144.62	15.48 22.30 25.81



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0032 EA 20" x 6" Horizontally Mounted Backdraft Damper	84.07	15.48
23 33 13 23-0033 EA 20" x 8" Horizontally Mounted Backdraft Damper	83.77	17.24
23 33 13 23-0034 EA 20" x 10" Horizontally Mounted Backdraft Damper	96.96	18.89
23 33 13 23-0035 EA 20" x 12" Horizontally Mounted Backdraft Damper	110.18	20.65
23 33 13 23-0036 EA 20" x 14" Horizontally Mounted Backdraft Damper	125.18	22.30
23 33 13 23-0037 EA 20" x 16" Horizontally Mounted Backdraft Damper	138.62	24.05
23 33 13 23-0038 EA 20" x 18" Horizontally Mounted Backdraft Damper	127.87	27.46
23 33 13 23-0039 EA 20" x 20" Horizontally Mounted Backdraft Damper	132.90	27.46
23 33 13 23-0040 EA 20" x 24" Horizontally Mounted Backdraft Damper	153.28	30.96
23 33 13 23-0041 EA 20" x 28" Horizontally Mounted Backdraft Damper	173.66	34.37
23 33 13 23-0042 EA 20" x 32" Horizontally Mounted Backdraft Damper	171.04	37.78
23 33 13 23-0043 EA 20" x 36" Horizontally Mounted Backdraft Damper	188.55	41.29
23 33 13 23-0044 EA 24" x 6" Horizontally Mounted Backdraft Damper	80.55	17.24
23 33 13 23-0045 EA 24" x 8" Horizontally Mounted Backdraft Damper	95.36	18.89
23 33 13 23-0046 EA 24" x 10" Horizontally Mounted Backdraft Damper	110.18	20.65
23 33 13 23-0047 EA 24" x 12" Horizontally Mounted Backdraft Damper	126.83	22.30
23 33 13 23-0048 EA 24" x 14" Horizontally Mounted Backdraft Damper	119.68	25.81
23 33 13 23-0049 EA 24" x 16" Horizontally Mounted Backdraft Damper	130.88	27.46
23 33 13 23-0050 EA 24" x 18" Horizontally Mounted Backdraft Damper	147.24	30.96
23 33 13 23-0051 EA 24" x 20" Horizontally Mounted Backdraft Damper	153.28	30.96
23 33 13 23-0052 EA 24" x 24" Horizontally Mounted Backdraft Damper	175.68	34.37
23 33 13 23-0053 EA 24" x 28" Horizontally Mounted Backdraft Damper	173.90	37.78
23 33 13 23-0054 EA 24" x 32" Horizontally Mounted Backdraft Damper	192.87	41.29
23 33 13 23-0055 EA 24" x 36" Horizontally Mounted Backdraft Damper	211.81	44.70
23 33 13 23-0056 EA 24" x 40" Horizontally Mounted Backdraft Damper	213.52	48.11
23 33 13 23-0057 EA 24" x 44" Horizontally Mounted Backdraft Damper	230.72	51.61
23 33 13 23-0058 EA 24" x 48" Horizontally Mounted Backdraft Damper	237.62	51.61
23 33 13 23-0059 EA 28" x 6" Horizontally Mounted Backdraft Damper	85.38	17.24
23 33 13 23-0060 EA 28" x 8" Horizontally Mounted Backdraft Damper	101.79	18.89
23 33 13 23-0061 EA 28" x 10" Horizontally Mounted Backdraft Damper	125.18	22.30
23 33 13 23-0062 EA 28" x 12" Horizontally Mounted Backdraft Damper	119.68	25.81
23 33 13 23-0063 EA 28" x 14" Horizontally Mounted Backdraft Damper	131.89	27.46
23 33 13 23-0064 EA 28" x 16" Horizontally Mounted Backdraft Damper	149.25	30.96
23 33 13 23-0065 EA 28" x 18" Horizontally Mounted Backdraft Damper	166.63	34.37
23 33 13 23-0066 EA 28" x 20" Horizontally Mounted Backdraft Damper	173.66	34.37
23 33 13 23-0067 EA 28" x 24" Horizontally Mounted Backdraft Damper	173.90	37.78
23 33 13 23-0068 EA 28" x 28" Horizontally Mounted Backdraft Damper	194.30	41.29
23 33 13 23-0069 EA 28" x 32" Horizontally Mounted Backdraft Damper	214.68	44.70
23 33 13 23-0070 EA 28" x 36" Horizontally Mounted Backdraft Damper	227.27	51.61
23 33 13 23-0071 EA 28" x 40" Horizontally Mounted Backdraft Damper	235.32	51.61
23 33 13 23-0072 EA 28" x 44" Horizontally Mounted Backdraft Damper	253.70	55.02
23 33 13 23-0073 EA 28" x 48" Horizontally Mounted Backdraft Damper	272.07	58.42
23 33 13 23-0074 EA 28" x 52" Horizontally Mounted Backdraft Damper	280.12	58.42
23 33 13 23-0075 EA 28" x 56" Horizontally Mounted Backdraft Damper	284.42	61.83
23 33 13 23-0076 EA 28" x 60" Horizontally Mounted Backdraft Damper	291.45	61.83
23 33 13 23-0077 EA 32" x 6" Horizontally Mounted Backdraft Damper	95.36	18.89
23 33 13 23-0078 EA 32" x 8" Horizontally Mounted Backdraft Damper	120.20	22.30
23 33 13 23-0079 EA 32" x 10" Horizontally Mounted Backdraft Damper	138.62	24.05
23 33 13 23-0080 EA 32" x 12" Horizontally Mounted Backdraft Damper	130.88	27.46
23 33 13 23-0081 EA 32" x 14" Horizontally Mounted Backdraft Damper	149.25	30.96
23 33 13 23-0082 EA 32" x 16" Horizontally Mounted Backdraft Damper	167.63	34.37
23 33 13 23-0083 EA 32" x 18" Horizontally Mounted Backdraft Damper	154.97	34.37
23 33 13 23-0084 EA 32" x 20" Horizontally Mounted Backdraft Damper	171.04	37.78
23 33 13 23-0085 EA 32" x 24" Horizontally Mounted Backdraft Damper	192.87	41.29
23 33 13 23-0086 EA 32" x 28" Horizontally Mounted Backdraft Damper	214.68	44.70
23 33 13 23-0087 EA 32" x 32" Horizontally Mounted Backdraft Damper	228.42	51.61
23 33 13 23-0088 EA 32" x 36" Horizontally Mounted Backdraft Damper	237.62	51.61
23 33 13 23-0089 EA 32" x 40" Horizontally Mounted Backdraft Damper	257.15	55.02
23 33 13 23-0090 EA 32" x 44" Horizontally Mounted Backdraft Damper	276.67	58.42
23 33 13 23-0091 EA 32" x 48" Horizontally Mounted Backdraft Damper	282.40	61.83
23 33 13 23-0092 EA 32" x 52" Horizontally Mounted Backdraft Damper	290.45	61.83
23 33 13 23-0093 EA 32" x 56" Horizontally Mounted Backdraft Damper	308.81	65.34
23 33 13 23-0094 EA 32" x 60" Horizontally Mounted Backdraft Damper	316.86	65.34
23 33 13 23-0095 EA 32" x 64" Horizontally Mounted Backdraft Damper	316.84	68.75
23 33 13 23-0096 EA 32" x 68" Horizontally Mounted Backdraft Damper	323.73	68.75
23 33 13 23-0097 EA 32" x 72" Horizontally Mounted Backdraft Damper	340.95	72.15
23 33 13 23-0098 EA 36" x 6" Horizontally Mounted Backdraft Damper	100.18	18.89
23 33 13 23-0099 EA 36" x 8" Horizontally Mounted Backdraft Damper	131.98	24.05
23 33 13 23-0100 EA 36" x 10" Horizontally Mounted Backdraft Damper	127.87	27.46
23 33 13 23-0101 EA 36" x 12" Horizontally Mounted Backdraft Damper	147.24	30.96
23 33 13 23-0102 EA 36" x 14" Horizontally Mounted Backdraft Damper	166.63	34.37
23 33 13 23-0103 EA 36" x 16" Horizontally Mounted Backdraft Damper	154.97	34.37
23 33 13 23-0104 EA 36" x 18" Horizontally Mounted Backdraft Damper	171.75	37.78
23 33 13 23-0105 EA 36" x 20" Horizontally Mounted Backdraft Damper	188.55	41.29
23 33 13 23-0106 EA 36" x 24" Horizontally Mounted Backdraft Damper	211.81	44.70
23 33 13 23-0107 EA 36" x 28" Horizontally Mounted Backdraft Damper	227.27	51.61
23 33 13 23-0108 EA 36" x 32" Horizontally Mounted Backdraft Damper	237.62	51.61
23 33 13 23-0109 EA 36" x 36" Horizontally Mounted Backdraft Damper	258.30	55.02
23 33 13 23-0110 EA 36" x 40" Horizontally Mounted Backdraft Damper	278.97	58.42
23 33 13 23-0111 EA 36" x 44" Horizontally Mounted Backdraft Damper	285.41	61.83
23 33 13 23-0112 EA 36" x 48" Horizontally Mounted Backdraft Damper	304.78	65.34



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 33 13 23-0113	EA	36" x 52" Horizontally Mounted Backdraft Damper	313.84	65.34
23 33 13 23-0114	EA	36" x 56" Horizontally Mounted Backdraft Damper	315.11	68.75
23 33 13 23-0115	EA	36" x 60" Horizontally Mounted Backdraft Damper	322.87	68.75
23 33 13 23-0116	EA	36" x 64" Horizontally Mounted Backdraft Damper	340.95	72.15
23 33 13 23-0117	EA	36" x 68" Horizontally Mounted Backdraft Damper	348.71	72.15
23 33 13 23-0118	EA	36" x 72" Horizontally Mounted Backdraft Damper	356.48	72.15
23 33 13 23-0119	EA	40" x 6" Horizontally Mounted Backdraft Damper	110.18	20.65
23 33 13 23-0120	EA	40" x 8" Horizontally Mounted Backdraft Damper	143.79	25.81
23 33 13 23-0121	EA	40" x 10" Horizontally Mounted Backdraft Damper	132.90	27.46
23 33 13 23-0122	EA	40" x 12" Horizontally Mounted Backdraft Damper	153.28	30.96
23 33 13 23-0123	EA	40" x 14" Horizontally Mounted Backdraft Damper	173.66	34.37
23 33 13 23-0124	EA	40" x 16" Horizontally Mounted Backdraft Damper	171.04	37.78
23 33 13 23-0125	EA	40" x 18" Horizontally Mounted Backdraft Damper	188.55	41.29
23 33 13 23-0126	EA	40" x 20" Horizontally Mounted Backdraft Damper	206.05	44.70
23 33 13 23-0127	EA	40" x 24" Horizontally Mounted Backdraft Damper	213.52	48.11
23 33 13 23-0128	EA	40" x 28" Horizontally Mounted Backdraft Damper	235.32	51.61
23 33 13 23-0129	EA	40" x 32" Horizontally Mounted Backdraft Damper	257.15	55.02
23 33 13 23-0130	EA	40" x 36" Horizontally Mounted Backdraft Damper	278.97	58.42
23 33 13 23-0131	EA	40" x 40" Horizontally Mounted Backdraft Damper	286.42	61.83
23 33 13 23-0132	EA	40" x 44" Horizontally Mounted Backdraft Damper	306.79	65.34
23 33 13 23-0133	EA	40" x 48" Horizontally Mounted Backdraft Damper	316.86	65.34
23 33 13 23-0134	EA	40" x 50" Horizontally Mounted Backdraft Damper	314.25	68.75
23 33 13 23-0135	EA	44" x 6" Horizontally Mounted Backdraft Damper	121.86	22.30
23 33 13 23-0136	EA	44" x 8" Horizontally Mounted Backdraft Damper	126.86	27.46
23 33 13 23-0137	EA	44" x 10" Horizontally Mounted Backdraft Damper	148.25	30.96
23 33 13 23-0138	EA	44" x 12" Horizontally Mounted Backdraft Damper	169.64	34.37
23 33 13 23-0139	EA	44" x 14" Horizontally Mounted Backdraft Damper	168.88	37.78
23 33 13 23-0140	EA	44" x 16" Horizontally Mounted Backdraft Damper	187.11	41.29
23 33 13 23-0141	EA	44" x 18" Horizontally Mounted Backdraft Damper	195.02	41.29
23 33 13 23-0142	EA	44" x 20" Horizontally Mounted Backdraft Damper	213.24	44.70
23 33 13 23-0143	EA	44" x 24" Horizontally Mounted Backdraft Damper	230.72	51.61
23 33 13 23-0144	EA	44" x 28" Horizontally Mounted Backdraft Damper	253.70	55.02
23 33 13 23-0145	EA	44" x 32" Horizontally Mounted Backdraft Damper	276.67	58.42
23 33 13 23-0146	EA	44" x 36" Horizontally Mounted Backdraft Damper	285.41	61.83
23 33 13 23-0147	EA	44" x 40" Horizontally Mounted Backdraft Damper	306.79	65.34
23 33 13 23-0148	EA	44" x 44" Horizontally Mounted Backdraft Damper	317.86	65.34
23 33 13 23-0149	EA	44" x 48" Horizontally Mounted Backdraft Damper	320.29	68.75
23 33 13 23-0150	EA	44" x 50" Horizontally Mounted Backdraft Damper	325.03	68.75
23 33 13 23-0151	EA	48" x 6" Horizontally Mounted Backdraft Damper	131.98	24.05
23 33 13 23-0152	EA	48" x 8" Horizontally Mounted Backdraft Damper	130.88	27.46
23 33 13 23-0153	EA	48" x 10" Horizontally Mounted Backdraft Damper	153.28	30.96
23 33 13 23-0154	EA	48" x 12" Horizontally Mounted Backdraft Damper	154.97	34.37
23 33 13 23-0155	EA	48" x 14" Horizontally Mounted Backdraft Damper	173.90	37.78
23 33 13 23-0156	EA	48" x 16" Horizontally Mounted Backdraft Damper	192.87	41.29
23 33 13 23-0157	EA	48" x 18" Horizontally Mounted Backdraft Damper	211.81	44.70
23 33 13 23-0158	EA	48" x 20" Horizontally Mounted Backdraft Damper	213.52	48.11
23 33 13 23-0159	EA	48" x 24" Horizontally Mounted Backdraft Damper	237.62	51.61
23 33 13 23-0160	EA	48" x 28" Horizontally Mounted Backdraft Damper	272.07	58.42
23 33 13 23-0161	EA	48" x 32" Horizontally Mounted Backdraft Damper	282.40	61.83
23 33 13 23-0162	EA	48" x 36" Horizontally Mounted Backdraft Damper	304.78	65.34
23 33 13 23-0163	EA	48" x 40" Horizontally Mounted Backdraft Damper	316.86	65.34
23 33 13 23-0164	EA	48" x 44" Horizontally Mounted Backdraft Damper	320.29	68.75
23 33 13 23-0165	EA	48" x 48" Horizontally Mounted Backdraft Damper	340.95	72.15
23 33 13 23-0166	EA	48" x 50" Horizontally Mounted Backdraft Damper	346.13	72.15
23 33 13 23-0167	EA	50" x 6" Horizontally Mounted Backdraft Damper	134.47	24.05
23 33 13 23-0168	EA	50" x 8" Horizontally Mounted Backdraft Damper	143.22	30.96
23 33 13 23-0169	EA	50" x 10" Horizontally Mounted Backdraft Damper	166.13	34.37
23 33 13 23-0170	EA	50" x 12" Horizontally Mounted Backdraft Damper	167.44	37.78
23 33 13 23-0171	EA	50" x 14" Horizontally Mounted Backdraft Damper	186.75	41.29
23 33 13 23-0172	EA	50" x 16" Horizontally Mounted Backdraft Damper	206.05	44.70
23 33 13 23-0173	EA	50" x 18" Horizontally Mounted Backdraft Damper	225.37	48.11
23 33 13 23-0174	EA	50" x 20" Horizontally Mounted Backdraft Damper	226.69	51.61
23 33 13 23-0175	EA	50" x 24" Horizontally Mounted Backdraft Damper	251.40	55.02
23 33 13 23-0176	EA	50" x 28" Horizontally Mounted Backdraft Damper	276.09	58.42
23 33 13 23-0177	EA	50" x 32" Horizontally Mounted Backdraft Damper	286.42	61.83
23 33 13 23-0178	EA	50" x 36" Horizontally Mounted Backdraft Damper	309.31	65.34
23 33 13 23-0179	EA	50" x 40" Horizontally Mounted Backdraft Damper	314.25	68.75
23 33 13 23-0180	EA	50" x 44" Horizontally Mounted Backdraft Damper	325.03	68.75
23 33 13 23-0181	EA	50" x 48" Horizontally Mounted Backdraft Damper	346.13	72.15
23 33 13 23-0182	EA	50" x 50" Horizontally Mounted Backdraft Damper	351.52	72.15

23 33 13 23-0183 Vertically Mounted Backdraft Damper (23 33 13 23)

Note: Galvanized steel frame, aluminum blades. Excludes motor pack.

23 33 13 23-0184	EA	6" x 6" Vertically Mounted Backdraft Damper	60.22	11.46
23 33 13 23-0185	EA	8" x 6" Vertically Mounted Backdraft Damper	70.39	11.97
23 33 13 23-0186	EA	10" x 6" Vertically Mounted Backdraft Damper	72.04	12.07
23 33 13 23-0187	EA	8" x 8" Vertically Mounted Backdraft Damper	74.43	12.07
23 33 13 23-0188	EA	12" x 6" Vertically Mounted Backdraft Damper	80.25	12.39
23 33 13 23-0189	EA	10" x 8" Vertically Mounted Backdraft Damper	89.17	13.73
23 33 13 23-0190	EA	14" x 6" Vertically Mounted Backdraft Damper	87.43	12.39



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0191 EA 12" x 8" Vertically Mounted Backdraft Damper	98.75	13.73
23 33 13 23-0192 EA 16" x 6" Vertically Mounted Backdraft Damper	100.81	14.45
23 33 13 23-0193 EA 10" x 10" Vertically Mounted Backdraft Damper	106.30	15.48
23 33 13 23-0194 EA 18" x 6" Vertically Mounted Backdraft Damper	86.48	13.11
23 33 13 23-0195 EA 14" x 8" Vertically Mounted Backdraft Damper	92.35	14.45
23 33 13 23-0196 EA 12" x 10" Vertically Mounted Backdraft Damper	98.95	15.48
23 33 13 23-0197 EA 20" x 6" Vertically Mounted Backdraft Damper	104.11	17.24
23 33 13 23-0198 EA 16" x 8" Vertically Mounted Backdraft Damper	112.77	18.89
23 33 13 23-0199 EA 14" x 10" Vertically Mounted Backdraft Damper	102.54	13.73
23 33 13 23-0200 EA 12" x 12" Vertically Mounted Backdraft Damper	109.45	15.48
23 33 13 23-0201 EA 18" x 8" Vertically Mounted Backdraft Damper	101.76	17.24
23 33 13 23-0202 EA 24" x 6" Vertically Mounted Backdraft Damper	101.76	17.24
23 33 13 23-0203 EA 16" x 10" Vertically Mounted Backdraft Damper	112.48	18.89
23 33 13 23-0204 EA 20" x 8" Vertically Mounted Backdraft Damper	117.65	20.65
23 33 13 23-0205 EA 14" x 12" Vertically Mounted Backdraft Damper	101.85	14.45
23 33 13 23-0206 EA 28" x 6" Vertically Mounted Backdraft Damper	104.95	15.48
23 33 13 23-0207 EA 18" x 10" Vertically Mounted Backdraft Damper	114.28	17.24
23 33 13 23-0208 EA 16" x 12" Vertically Mounted Backdraft Damper	123.62	18.89
23 33 13 23-0209 EA 24" x 8" Vertically Mounted Backdraft Damper	128.79	20.65
23 33 13 23-0210 EA 32" x 6" Vertically Mounted Backdraft Damper	133.95	22.30
23 33 13 23-0211 EA 14" x 14" Vertically Mounted Backdraft Damper	145.67	25.81
23 33 13 23-0212 EA 20" x 10" Vertically Mounted Backdraft Damper	147.39	27.46
23 33 13 23-0213 EA 18" x 12" Vertically Mounted Backdraft Damper	162.89	30.96
23 33 13 23-0214 EA 36" x 6" Vertically Mounted Backdraft Damper	116.44	15.48
23 33 13 23-0215 EA 16" x 14" Vertically Mounted Backdraft Damper	124.20	17.24
23 33 13 23-0216 EA 28" x 8" Vertically Mounted Backdraft Damper	129.36	18.89
23 33 13 23-0217 EA 20" x 12" Vertically Mounted Backdraft Damper	139.70	20.65
23 33 13 23-0218 EA 24" x 10" Vertically Mounted Backdraft Damper	144.86	22.30
23 33 13 23-0219 EA 40" x 6" Vertically Mounted Backdraft Damper	150.01	24.05
23 33 13 23-0220 EA 18" x 14" Vertically Mounted Backdraft Damper	164.24	27.46
23 33 13 23-0221 EA 16" x 16" Vertically Mounted Backdraft Damper	165.53	27.46
23 33 13 23-0222 EA 32" x 8" Vertically Mounted Backdraft Damper	175.85	30.96
23 33 13 23-0223 EA 44" x 6" Vertically Mounted Backdraft Damper	188.77	34.37
23 33 13 23-0224 EA 20" x 14" Vertically Mounted Backdraft Damper	204.27	37.78
23 33 13 23-0225 EA 28" x 10" Vertically Mounted Backdraft Damper	214.60	41.29
23 33 13 23-0226 EA 18" x 16" Vertically Mounted Backdraft Damper	144.93	17.24
23 33 13 23-0227 EA 24" x 12" Vertically Mounted Backdraft Damper	150.09	18.89
23 33 13 23-0228 EA 36" x 8" Vertically Mounted Backdraft Damper	155.26	20.65
23 33 13 23-0229 EA 48" x 6" Vertically Mounted Backdraft Damper	160.42	22.30
23 33 13 23-0230 EA 50" x 6" Vertically Mounted Backdraft Damper	174.63	25.81
23 33 13 23-0231 EA 20" x 16" Vertically Mounted Backdraft Damper	186.27	27.46
23 33 13 23-0232 EA 32" x 10" Vertically Mounted Backdraft Damper	196.59	30.96
23 33 13 23-0233 EA 40" x 8" Vertically Mounted Backdraft Damper	196.59	30.96
23 33 13 23-0234 EA 18" x 18" Vertically Mounted Backdraft Damper	186.18	34.37
23 33 13 23-0235 EA 24" x 14" Vertically Mounted Backdraft Damper	184.97	37.78
23 33 13 23-0236 EA 28" x 12" Vertically Mounted Backdraft Damper	195.30	41.29
23 33 13 23-0237 EA 44" x 8" Vertically Mounted Backdraft Damper	209.02	44.70
23 33 13 23-0238 EA 18" x 20" Vertically Mounted Backdraft Damper	221.05	48.11
23 33 13 23-0239 EA 20" x 18" Vertically Mounted Backdraft Damper	231.36	51.61
23 33 13 23-0240 EA 36" x 10" Vertically Mounted Backdraft Damper	231.36	51.61
23 33 13 23-0241 EA 24" x 16" Vertically Mounted Backdraft Damper	133.25	17.24
23 33 13 23-0242 EA 32" x 12" Vertically Mounted Backdraft Damper	138.41	18.89
23 33 13 23-0243 EA 48" x 8" Vertically Mounted Backdraft Damper	148.74	22.30
23 33 13 23-0244 EA 28" x 14" Vertically Mounted Backdraft Damper	160.76	25.81
23 33 13 23-0245 EA 20" x 20" Vertically Mounted Backdraft Damper	167.62	27.46
23 33 13 23-0246 EA 40" x 10" Vertically Mounted Backdraft Damper	177.94	30.96
23 33 13 23-0247 EA 50" x 8" Vertically Mounted Backdraft Damper	188.27	34.37
23 33 13 23-0248 EA 18" x 24" Vertically Mounted Backdraft Damper	195.07	34.37
23 33 13 23-0249 EA 24" x 18" Vertically Mounted Backdraft Damper	205.38	37.78
23 33 13 23-0250 EA 36" x 12" Vertically Mounted Backdraft Damper	215.71	41.29
23 33 13 23-0251 EA 44" x 10" Vertically Mounted Backdraft Damper	227.73	44.70
23 33 13 23-0252 EA 28" x 16" Vertically Mounted Backdraft Damper	250.08	51.61
23 33 13 23-0253 EA 32" x 14" Vertically Mounted Backdraft Damper	250.08	51.61
23 33 13 23-0254 EA 20" x 24" Vertically Mounted Backdraft Damper	268.06	55.02
23 33 13 23-0255 EA 24" x 20" Vertically Mounted Backdraft Damper	262.71	58.42
23 33 13 23-0256 EA 40" x 12" Vertically Mounted Backdraft Damper	262.71	58.42
23 33 13 23-0257 EA 48" x 10" Vertically Mounted Backdraft Damper	273.04	61.83
23 33 13 23-0258 EA 50" x 10" Vertically Mounted Backdraft Damper	276.68	61.83
23 33 13 23-0259 EA 28" x 18" Vertically Mounted Backdraft Damper	148.36	18.89
23 33 13 23-0260 EA 36" x 14" Vertically Mounted Backdraft Damper	158.69	22.30
23 33 13 23-0261 EA 32" x 16" Vertically Mounted Backdraft Damper	165.30	24.05
23 33 13 23-0262 EA 44" x 12" Vertically Mounted Backdraft Damper	178.53	27.46
23 33 13 23-0263 EA 20" x 28" Vertically Mounted Backdraft Damper	194.67	30.96
23 33 13 23-0264 EA 28" x 20" Vertically Mounted Backdraft Damper	205.00	34.37
23 33 13 23-0265 EA 40" x 14" Vertically Mounted Backdraft Damper	205.00	34.37
23 33 13 23-0266 EA 24" x 24" Vertically Mounted Backdraft Damper	218.21	37.78
23 33 13 23-0267 EA 32" x 18" Vertically Mounted Backdraft Damper	228.54	41.29
23 33 13 23-0268 EA 36" x 16" Vertically Mounted Backdraft Damper	238.86	44.70
23 33 13 23-0269 EA 48" x 12" Vertically Mounted Backdraft Damper	259.50	51.61
23 33 13 23-0270 EA 50" x 12" Vertically Mounted Backdraft Damper	263.87	51.61
23 33 13 23-0271 EA 44" x 14" Vertically Mounted Backdraft Damper	277.11	55.02

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33	13 23-0272	EA	20" x 32" Vertically Mounted Backdraft Damper	291.79	58.42
23 33	13 23-0273	EA	32" x 20" Vertically Mounted Backdraft Damper	302.12	61.83
23 33	13 23-0274	EA	40" x 16" Vertically Mounted Backdraft Damper	302.12	61.83
23 33	13 23-0275	EA	36" x 18" Vertically Mounted Backdraft Damper	313.88	65.34
23 33	13 23-0276	EA	24" x 28" Vertically Mounted Backdraft Damper	318.97	65.34
23 33	13 23-0277	EA	28" x 24" Vertically Mounted Backdraft Damper	318.77	68.75
23 33	13 23-0278	EA	48" x 14" Vertically Mounted Backdraft Damper	318.77	68.75
23 33	13 23-0279	EA	50" x 14" Vertically Mounted Backdraft Damper	333.77	72.15
23 33	13 23-0280	EA	44" x 16" Vertically Mounted Backdraft Damper	174.43	18.89
23 33	13 23-0281	EA	20" x 36" Vertically Mounted Backdraft Damper	192.59	24.05
23 33	13 23-0282	EA	36" x 20" Vertically Mounted Backdraft Damper	202.92	27.46
23 33	13 23-0283	EA	40" x 18" Vertically Mounted Backdraft Damper	213.24	30.96
23 33	13 23-0284	EA	24" x 32" Vertically Mounted Backdraft Damper	231.59	34.37
23 33	13 23-0285	EA	32" x 24" Vertically Mounted Backdraft Damper	231.59	34.37
23 33	13 23-0286	EA	48" x 16" Vertically Mounted Backdraft Damper	241.90	37.78
23 33	13 23-0287	EA	28" x 28" Vertically Mounted Backdraft Damper	254.91	41.29
23 33	13 23-0288	EA	44" x 18" Vertically Mounted Backdraft Damper	266.56	44.70
23 33	13 23-0289	EA	40" x 20" Vertically Mounted Backdraft Damper	288.54	51.61
23 33	13 23-0290	EA	50" x 16" Vertically Mounted Backdraft Damper	288.54	51.61
23 33	13 23-0291	EA	24" x 36" Vertically Mounted Backdraft Damper	309.57	55.02
23 33	13 23-0292	EA	36" x 24" Vertically Mounted Backdraft Damper	319.89	58.42
23 33	13 23-0293	EA	48" x 18" Vertically Mounted Backdraft Damper	330.22	61.83
23 33	13 23-0294	EA	44" x 20" Vertically Mounted Backdraft Damper	343.20	65.34
23 33	13 23-0295	EA	28" x 32" Vertically Mounted Backdraft Damper	345.88	65.34
23 33	13 23-0296	EA	32" x 28" Vertically Mounted Backdraft Damper	356.21	68.75
23 33	13 23-0297	EA	50" x 18" Vertically Mounted Backdraft Damper	356.87	68.75
23 33	13 23-0298	EA	24" x 40" Vertically Mounted Backdraft Damper	377.22	72.15
23 33	13 23-0299	EA	40" x 24" Vertically Mounted Backdraft Damper	377.22	72.15
23 33	13 23-0300	EA	48" x 20" Vertically Mounted Backdraft Damper	377.22	72.15
23 33	13 23-0301	EA	50" x 20" Vertically Mounted Backdraft Damper	229.08	20.65
23 33	13 23-0302	EA	28" x 36" Vertically Mounted Backdraft Damper	245.89	25.81
23 33	13 23-0303	EA	36" x 28" Vertically Mounted Backdraft Damper	251.05	27.46
23 33	13 23-0304	EA	32" x 32" Vertically Mounted Backdraft Damper	264.05	30.96
23 33	13 23-0305	EA	24" x 44" Vertically Mounted Backdraft Damper	260.65	34.37
23 33	13 23-0306	EA	44" x 24" Vertically Mounted Backdraft Damper	270.96	37.78
23 33	13 23-0307	EA	28" x 40" Vertically Mounted Backdraft Damper	290.82	41.29
23 33	13 23-0308	EA	40" x 28" Vertically Mounted Backdraft Damper	301.14	44.70
23 33	13 23-0309	EA	24" x 48" Vertically Mounted Backdraft Damper	316.25	48.11
23 33	13 23-0310	EA	32" x 36" Vertically Mounted Backdraft Damper	326.56	51.61
23 33	13 23-0311	EA	36" x 32" Vertically Mounted Backdraft Damper	336.89	55.02
23 33	13 23-0312	EA	48" x 24" Vertically Mounted Backdraft Damper	347.21	58.42
23 33	13 23-0313	EA	50" x 24" Vertically Mounted Backdraft Damper	364.69	61.83
23 33	13 23-0314	EA	28" x 44" Vertically Mounted Backdraft Damper	379.76	65.34
23 33	13 23-0315	EA	44" x 28" Vertically Mounted Backdraft Damper	379.76	65.34
23 33	13 23-0316	EA	32" x 40" Vertically Mounted Backdraft Damper	397.26	68.75
23 33	13 23-0317	EA	40" x 32" Vertically Mounted Backdraft Damper	257.91	22.30
23 33	13 23-0318	EA	36" x 36" Vertically Mounted Backdraft Damper	275.77	27.46
23 33	13 23-0319	EA	28" x 48" Vertically Mounted Backdraft Damper	293.24	30.96
23 33	13 23-0320	EA	48" x 28" Vertically Mounted Backdraft Damper	303.57	34.37
23 33	13 23-0321	EA	50" x 28" Vertically Mounted Backdraft Damper	322.23	37.78
23 33	13 23-0322	EA	32" x 44" Vertically Mounted Backdraft Damper	333.75	41.29
23 33	13 23-0323	EA	44" x 32" Vertically Mounted Backdraft Damper	333.75	41.29
23 33	13 23-0324	EA	36" x 40" Vertically Mounted Backdraft Damper	349.44	44.70
23 33	13 23-0325	EA	40" x 36" Vertically Mounted Backdraft Damper	348.02	51.61
23 33	13 23-0326	EA	28" x 52" Vertically Mounted Backdraft Damper	360.49	55.02
23 33	13 23-0327	EA	32" x 48" Vertically Mounted Backdraft Damper	381.54	58.42
23 33	13 23-0328	EA	48" x 32" Vertically Mounted Backdraft Damper	391.87	61.83
23 33	13 23-0329	EA	28" x 56" Vertically Mounted Backdraft Damper	406.48	65.34
23 33	13 23-0330	EA	36" x 44" Vertically Mounted Backdraft Damper	408.63	65.34
23 33	13 23-0331	EA	44" x 36" Vertically Mounted Backdraft Damper	418.96	68.75
23 33	13 23-0332	EA	40" x 40" Vertically Mounted Backdraft Damper	421.10	68.75
23 33	13 23-0333	EA	50" x 32" Vertically Mounted Backdraft Damper	286.90	24.05
23 33	13 23-0334	EA	32" x 52" Vertically Mounted Backdraft Damper	305.82	27.46
23 33	13 23-0335	EA	28" x 60" Vertically Mounted Backdraft Damper	318.28	30.96
23 33	13 23-0336	EA	36" x 48" Vertically Mounted Backdraft Damper	335.06	34.37
23 33	13 23-0337	EA	48" x 36" Vertically Mounted Backdraft Damper	345.37	37.78
23 33	13 23-0338	EA	40" x 44" Vertically Mounted Backdraft Damper	359.99	41.29
23 33	13 23-0339	EA	44" x 40" Vertically Mounted Backdraft Damper	370.31	44.70
23 33	13 23-0340	EA	32" x 56" Vertically Mounted Backdraft Damper	384.93	48.11
23 33	13 23-0341	EA	50" x 36" Vertically Mounted Backdraft Damper	369.48	51.61
23 33	13 23-0342	EA	36" x 52" Vertically Mounted Backdraft Damper	398.72	58.42
23 33	13 23-0343	EA	32" x 60" Vertically Mounted Backdraft Damper	414.77	61.83
23 33	13 23-0344	EA	40" x 48" Vertically Mounted Backdraft Damper	425.08	65.34
23 33	13 23-0345	EA	48" x 40" Vertically Mounted Backdraft Damper	425.08	65.34
23 33	13 23-0346	EA	44" x 44" Vertically Mounted Backdraft Damper	437.32	68.75
23 33	13 23-0347	EA	40" x 50" Vertically Mounted Backdraft Damper	455.28	72.15
23 33	13 23-0348	EA	50" x 40" Vertically Mounted Backdraft Damper	455.28	72.15
23 33	13 23-0349	EA	36" x 56" Vertically Mounted Backdraft Damper	312.66	24.05
23 33	13 23-0350	EA	32" x 64" Vertically Mounted Backdraft Damper	337.13	30.96
23 33	13 23-0351	EA	44" x 48" Vertically Mounted Backdraft Damper	355.09	34.37
23 33	13 23-0352	EA	48" x 44" Vertically Mounted Backdraft Damper	365.40	37.78



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0353 EA 36" x 60" Vertically Mounted Backdraft Damper	381.46	41.29
23 33 13 23-0354 EA 32" x 68" Vertically Mounted Backdraft Damper	393.69	44.70
23 33 13 23-0355 EA 44" x 50" Vertically Mounted Backdraft Damper	374.08	48.11
23 33 13 23-0356 EA 50" x 44" Vertically Mounted Backdraft Damper	384.39	51.61
23 33 13 23-0357 EA 32" x 72" Vertically Mounted Backdraft Damper	405.57	55.02
23 33 13 23-0358 EA 36" x 64" Vertically Mounted Backdraft Damper	415.89	58.42
23 33 13 23-0359 EA 48" x 48" Vertically Mounted Backdraft Damper	426.22	61.83
23 33 13 23-0360 EA 48" x 50" Vertically Mounted Backdraft Damper	446.54	65.34
23 33 13 23-0361 EA 50" x 48" Vertically Mounted Backdraft Damper	456.87	68.75
23 33 13 23-0362 EA 36" x 68" Vertically Mounted Backdraft Damper	461.88	68.75
23 33 13 23-0363 EA 50" x 50" Vertically Mounted Backdraft Damper	477.63	72.15
23 33 13 23-0364 EA 36" x 72" Vertically Mounted Backdraft Damper	487.23	72.15
23 33 13 23-0365 Backdraft Damper Accessories (23 33 13 23)		
23 33 13 23-0366 EA For Motor Pack For Horizontally Mounted Backdraft Damper.....	124.97	24.16
23 33 13 23-0367 EA For Motor Pack For Vertically Mounted Backdraft Damper.....	195.32	24.16
23 33 13 33 Splitter Damper Hardware (23 33 13)		
23 33 13 33-0001 EA Splitter Damper, Hardware	31.38	7.22
23 33 13 43 Blower Check Valve (23 33 13)		
23 33 13 43-0001 Blower Check Valves With Silicone Seals (23 33 13 43)		
23 33 13 43-0002 EA 2-1/2" Blower Check Valves, Silicone Seals	170.51	26.63
23 33 13 43-0003 EA 3" Blower Check Valves, Silicone Seals	190.72	30.35
23 33 13 43-0004 EA 4" Blower Check Valves, Silicone Seals	245.70	40.25
23 33 13 43-0005 EA 5" Blower Check Valves, Silicone Seals	334.33	46.45
23 33 13 43-0006 EA 6" Blower Check Valves, Silicone Seals	376.68	55.74
23 33 13 43-0007 EA 8" Blower Check Valves, Silicone Seals	554.44	70.61
23 33 13 43-0008 Blower Check Valves With Viton Seats (23 33 13 43)		
23 33 13 43-0009 EA 2-1/2" Blower Check Valves, Viton Seats	230.06	26.63
23 33 13 43-0010 EA 3" Blower Check Valves, Viton Seats	261.50	30.35
23 33 13 43-0011 EA 4" Blower Check Valves, Viton Seats	294.98	40.25
23 33 13 43-0012 EA 5" Blower Check Valves, Viton Seats	408.11	46.45
23 33 13 43-0013 EA 6" Blower Check Valves, Viton Seats	458.12	55.74
23 33 13 43-0014 EA 8" Blower Check Valves, Viton Seats	698.51	70.61
23 33 19 Duct Silencers (23 33)		
23 33 19 00-0001 36" Long Packaged Duct Sound Trap (23 33 19)		
23 33 19 00-0002 EA 12" x 12" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	286.18	42.32
23 33 19 00-0003 EA 12" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	342.70	48.51
23 33 19 00-0004 EA 12" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	439.22	55.73
23 33 19 00-0005 EA 12" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	530.41	62.96
23 33 19 00-0006 EA 24" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	494.17	62.96
23 33 19 00-0007 EA 24" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	621.53	66.05
23 33 19 00-0008 EA 24" x 30" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	684.53	70.18
23 33 19 00-0009 EA 24" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	749.61	74.30
23 33 19 00-0010 EA 24" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	973.30	84.63
23 33 19 00-0011 EA 36" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	620.55	70.18
23 33 19 00-0012 EA 36" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	830.41	84.63
23 33 19 00-0013 EA 36" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,444.78	113.52
23 33 19 00-0014 EA 36" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,593.84	119.72
23 33 19 00-0015 EA 48" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,776.42	129.01
23 33 19 00-0016 EA 48" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,991.81	140.36
23 33 19 00-0017 60" Long Packaged Duct Sound Trap (23 33 19)		
23 33 19 00-0018 EA 12" x 12" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	319.06	92.89
23 33 19 00-0019 EA 12" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	383.23	107.34
23 33 19 00-0020 EA 12" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	492.47	123.85
23 33 19 00-0021 EA 12" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	594.74	139.32
23 33 19 00-0022 EA 24" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	553.54	139.32
23 33 19 00-0023 EA 24" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	699.59	147.58
23 33 19 00-0024 EA 24" x 30" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	767.64	154.81
23 33 19 00-0025 EA 24" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	837.26	163.07
23 33 19 00-0026 EA 24" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,093.72	185.77
23 33 19 00-0027 EA 36" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	694.94	154.81
23 33 19 00-0028 EA 36" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	931.35	185.77
23 33 19 00-0029 EA 36" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,615.78	244.60
23 33 19 00-0030 EA 36" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,800.66	265.23
23 33 19 00-0031 EA 48" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,995.21	281.75
23 33 19 00-0032 EA 48" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	2,242.95	309.61

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 19 00-0033 84" Long Packaged Duct Sound Trap <small>(23 33 19)</small>		
23 33 19 00-0034 EA 6" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	273.56	77.40
23 33 19 00-0035 EA 6" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	462.44	115.59
23 33 19 00-0036 EA 6" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	647.97	169.26
23 33 19 00-0037 EA 12" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	365.11	92.89
23 33 19 00-0038 EA 12" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	451.09	107.34
23 33 19 00-0039 EA 12" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	603.95	123.85
23 33 19 00-0040 EA 12" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	708.87	133.13
23 33 19 00-0041 EA 12" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	772.92	143.46
23 33 19 00-0042 EA 12" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	963.94	154.81
23 33 19 00-0043 EA 12" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,135.09	169.26
23 33 19 00-0044 EA 24" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	671.13	143.46
23 33 19 00-0045 EA 24" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	936.99	149.65
23 33 19 00-0046 EA 24" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,019.68	154.81
23 33 19 00-0047 EA 24" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,108.69	163.07
23 33 19 00-0048 EA 24" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,380.48	175.45
23 33 19 00-0049 EA 24" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,496.02	185.77
23 33 23 Turning Vanes <small>(23 33)</small>		
23 33 23 00-0001 Duct Turning Vane Components <small>(23 33 23)</small>		
23 33 23 00-0002 LF Duct Turning Vane Rail.....	7.12	2.58
<i>For Stainless Steel, Add</i>	2.30	
23 33 23 00-0003 LF Double Thick Factory Fabricated, Duct Turning Vane.....	4.81	1.04
<i>For Stainless Steel, Add</i>	3.47	
23 33 23 00-0004 Duct Turning Vane Sets <small>(23 33 23)</small>		
Note: Measured from inside corner to outside corner of ductwork.		
23 33 23 00-0005 LF 12" High Duct Turning Vanes, Sets.....	17.08	3.87
<i>For Stainless Steel, Add</i>	15.91	
23 33 23 00-0006 LF 14" High Duct Turning Vanes, Sets.....	20.65	4.13
<i>For Stainless Steel, Add</i>	20.14	
23 33 23 00-0007 LF 16" High Duct Turning Vanes, Sets.....	27.14	4.33
<i>For Stainless Steel, Add</i>	28.18	
23 33 23 00-0008 LF 18" High Duct Turning Vanes, Sets.....	33.68	4.65
<i>For Stainless Steel, Add</i>	36.24	
23 33 23 00-0009 LF 20" High Duct Turning Vanes, Sets.....	37.17	4.96
<i>For Stainless Steel, Add</i>	40.27	
23 33 23 00-0010 LF 22" High Duct Turning Vanes, Sets.....	46.06	4.65
<i>For Stainless Steel, Add</i>	52.35	
23 33 23 00-0011 LF 24" High Duct Turning Vanes, Sets.....	56.45	5.47
<i>For Stainless Steel, Add</i>	64.44	
23 33 23 00-0012 LF 26" High Duct Turning Vanes, Sets.....	60.45	5.72
<i>For Stainless Steel, Add</i>	69.29	
23 33 23 00-0013 LF 30" High Duct Turning Vanes, Sets.....	67.12	5.94
<i>For Stainless Steel, Add</i>	77.60	
23 33 33 Duct-Mounting Access Doors <small>(23 33)</small>		
23 33 33 00-0001 Duct Access Doors, Insulated Factory Fabrication <small>(23 33 33)</small>		
23 33 33 00-0002 EA 6" x 6" Duct Access Doors Insulated Factory Fabrication.....	83.65	14.45
<i>For Stainless Steel, Add</i>	51.20	
23 33 33 00-0003 EA 10" x 10" Duct Access Doors Insulated Factory Fabrication.....	89.03	14.45
<i>For Stainless Steel, Add</i>	61.96	
23 33 33 00-0004 EA 12" x 12" Duct Access Doors Insulated Factory Fabrication.....	91.66	14.45
<i>For Stainless Steel, Add</i>	67.22	
23 33 33 00-0005 EA 12" x 18" Duct Access Doors Insulated Factory Fabrication.....	118.84	17.55
<i>For Stainless Steel, Add</i>	94.78	
23 33 33 00-0006 EA 16" x 12" Duct Access Doors Insulated Factory Fabrication.....	119.91	17.55
<i>For Stainless Steel, Add</i>	96.92	
23 33 33 00-0007 EA 18" x 18" Duct Access Doors Insulated Factory Fabrication.....	148.66	23.74
<i>For Stainless Steel, Add</i>	111.54	
23 33 33 00-0008 EA 24" x 18" Duct Access Doors Insulated Factory Fabrication.....	176.16	28.90
<i>For Stainless Steel, Add</i>	120.10	
23 33 33 00-0009 EA 24" x 24" Duct Access Doors Insulated Factory Fabrication.....	228.55	39.22
<i>For Stainless Steel, Add</i>	147.48	
23 33 43 Flexible Connectors <small>(23 33)</small>		
23 33 43 00-0001 LF Flex Duct Connector, Fabric/Sheet Metal.....	11.80	3.10
23 33 43 00-0002 LF Flex Duct Connector, Rubber Vinyl.....	11.73	2.79
23 33 46 Flexible Ducts <small>(23 33)</small>		
23 33 46 00-0001 Flexible Duct, R8.0 Insulated With Metallized Outer Jacket <small>(23 33 46)</small>		
Note: Polyester inner liner encapsulating a corrosion resistant steel wire helix, supporting a blanket of fiberglass insulation over a fiberglass scrim and a bi-directional reinforced metallized outer vapor barrier jacket.		
23 33 46 00-0002 LF 4" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	5.84	1.04



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 46 00-0003 LF 5" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket	6.52	2.06
23 33 46 00-0004 LF 6" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket	7.47	2.06
23 33 46 00-0005 LF 7" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket	8.73	2.06
23 33 46 00-0006 LF 8" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket	10.50	3.10
23 33 46 00-0007 LF 10" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket	13.49	3.10
23 33 46 00-0008 LF 12" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket	18.44	4.13
23 33 46 00-0009 LF 14" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket	23.00	4.13
23 33 46 00-0010 LF 16" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket	30.37	5.16
23 33 46 00-0011 Collars, Sheet Metal Spin-In Type With Damper <small>(23 33 46)</small>		
23 33 46 00-0012 EA Up To 4" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	38.42	6.19
<i>For Stainless Steel, Add</i>	19.76	
23 33 46 00-0013 EA 5" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	41.94	7.22
<i>For Stainless Steel, Add</i>	20.02	
23 33 46 00-0014 EA 6" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	47.94	7.22
<i>For Stainless Steel, Add</i>	22.07	
23 33 46 00-0015 EA 7" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	54.68	9.29
<i>For Stainless Steel, Add</i>	22.78	
23 33 46 00-0016 EA 8" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	66.23	11.35
<i>For Stainless Steel, Add</i>	25.73	
23 33 46 00-0017 EA 10" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	77.47	13.41
<i>For Stainless Steel, Add</i>	31.72	
23 33 46 00-0018 EA 12" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	88.21	15.48
<i>For Stainless Steel, Add</i>	34.18	
23 33 46 00-0019 EA 14" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	104.14	17.55
<i>For Stainless Steel, Add</i>	42.80	
23 33 46 00-0020 EA 16" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	113.42	19.61
<i>For Stainless Steel, Add</i>	46.83	
23 33 53 Duct Liners <small>(23 33)</small>		
23 33 53 00-0001 Fiberglass Duct Liner Board, Rigid, Acoustical Insulation <small>(23 33 53)</small>		
23 33 53 00-0002 SF 1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	10.20	2.77
23 33 53 00-0003 SF 3/4" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	11.15	2.77
23 33 53 00-0004 SF 1" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	12.37	3.69
23 33 53 00-0005 SF 1-1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	15.14	3.69
23 33 53 00-0006 SF 2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	18.28	4.15
23 33 53 00-0007 SF 1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	9.96	3.10
23 33 53 00-0008 SF 3/4" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	10.90	3.10
23 33 53 00-0009 SF 1" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	12.14	4.13
23 33 53 00-0010 SF 1-1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	14.76	4.13
23 33 53 00-0011 SF 2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	17.88	4.65
23 33 53 00-0012 Fiberglass Duct Liner Blanket, Flexible, Acoustical Insulation <small>(23 33 53)</small>		
23 33 53 00-0013 SF 1/2", R2, 2 LB/CF, T200, Fiberglass Duct Liner Blanket	2.01	2.47
23 33 53 00-0014 SF 1", R3.8, 1.5 LB/CF, T150, Fiberglass Duct Liner Blanket	2.04	2.79
23 33 53 00-0015 SF 1", R4.1, 2 LB/CF, T200, Fiberglass Duct Liner Blanket	2.89	2.79
23 33 53 00-0016 SF 1", R4.3, 3 LB/CF, T300, Fiberglass Duct Liner Blanket	3.73	2.79
23 33 53 00-0017 SF 1-1/2", T150, 1.5 LB/CF, Fiberglass Duct Liner Blanket	3.12	3.10
23 33 53 00-0018 SF 2", R7.7, 1.5 LB/CF, T150 Fiberglass Duct Liner Blanket	3.31	3.41
23 33 53 00-0019 SF 2", R8, 2 LB/CF, T200 Fiberglass Duct Liner Blanket	5.12	3.41
23 33 56 Duct Air Extractors <small>(23 33)</small>		
23 33 56 00-0001 EA 12" x 4" Duct Air Extractor	45.45	17.02
<i>For Stainless Steel, Add</i>	14.81	
23 33 56 00-0002 EA 8" x 6" Duct Air Extractor	48.55	18.57
<i>For Stainless Steel, Add</i>	14.81	
23 33 56 00-0003 EA 12" x 6" Duct Air Extractor	54.99	19.61
<i>For Stainless Steel, Add</i>	20.50	
23 33 56 00-0004 EA 16" x 6" Duct Air Extractor	61.28	20.64
<i>For Stainless Steel, Add</i>	26.00	
23 33 56 00-0005 EA 24" x 6" Duct Air Extractor	78.43	22.71
<i>For Stainless Steel, Add</i>	42.93	
23 33 56 00-0006 EA 12" x 8" Duct Air Extractor	58.95	20.64
<i>For Stainless Steel, Add</i>	22.97	
23 33 56 00-0007 EA 20" x 8" Duct Air Extractor	77.18	25.80
<i>For Stainless Steel, Add</i>	33.25	
23 33 56 00-0008 EA 18" x 10" Duct Air Extractor	83.94	29.40
<i>For Stainless Steel, Add</i>	32.64	
23 33 56 00-0009 EA 24" x 10" Duct Air Extractor	101.70	34.56
<i>For Stainless Steel, Add</i>	42.33	
23 33 56 00-0010 EA 24" x 12" Duct Air Extractor	117.45	41.28
<i>For Stainless Steel, Add</i>	45.34	
23 33 56 00-0011 EA 30" x 12" Duct Air Extractor	146.92	51.61
<i>For Stainless Steel, Add</i>	56.84	
23 33 59 Duct Pressure Relief Doors <small>(23 33)</small>		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 59 00-0001 Duct Pressure Relief Doors <small>(23 33 59)</small>		
23 33 59 00-0002 EA 18" x 18" Duct Pressure Relief Door (Ruskin PRD18)	728.61	30.96
23 33 59 00-0003 EA 24" x 10" Duct Pressure Relief Door (Ruskin PRD18)	599.10	25.80
23 33 59 00-0004 EA 24" x 12" Duct Pressure Relief Door (Ruskin PRD18)	597.33	28.38
23 34 HVAC Fans <small>(23 34)</small>		
23 34 13 Axial HVAC Fans <small>(23 34)</small>		
23 34 13 00-0001 Tube-Axial Fans <small>(23 34 13)</small>		
23 34 13 00-0002 Direct Drive Tube-Axial Duct Fans <small>(23 34 13 00-0001)</small>		
23 34 13 00-0003 EA 12" Direct Drive Axial Flow Fan, 1/6 HP 1,060 CFM Constant Speed, 1/8" Static Pressure	1,272.49	316.43
For 1/4" Static Pressure, Add	51.12	
For 3/8" Static Pressure, Add	102.24	
For 1/2" Static Pressure, Add	140.58	
23 34 13 00-0004 EA 12" Direct Drive Axial Flow Fan, 1/2 HP 2,095 CFM Constant Speed, 1/8" Static Pressure	1,318.13	317.39
For 1/4" Static Pressure, Add	54.77	
For 3/8" Static Pressure, Add	109.54	
For 1/2" Static Pressure, Add	150.62	
23 34 13 00-0005 EA 16" Direct Drive Axial Flow Fan, 1/3 HP 2,490 CFM Constant Speed, 1/8" Static Pressure	1,409.41	316.43
For 1/4" Static Pressure, Add	62.07	
For 3/8" Static Pressure, Add	124.14	
For 1/2" Static Pressure, Add	170.70	
23 34 13 00-0006 EA 20" Direct Drive Axial Flow Fan, 3/4 HP 4,130 CFM Constant Speed, 1/8" Static Pressure	1,500.70	317.39
For 1/4" Static Pressure, Add	69.38	
For 3/8" Static Pressure, Add	138.75	
For 1/2" Static Pressure, Add	190.78	
23 34 13 00-0007 EA 22" Direct Drive Axial Flow Fan, 3/4 HP 4,700 CFM Constant Speed, 1/8" Static Pressure	1,764.32	380.11
For 1/4" Static Pressure, Add	80.33	
For 3/8" Static Pressure, Add	160.66	
For 1/2" Static Pressure, Add	220.90	
23 34 13 00-0008 EA 24" Direct Drive Axial Flow Fan, 1 HP 5,850 CFM Constant Speed, 1/8" Static Pressure	2,012.99	413.36
For 1/4" Static Pressure, Add	94.93	
For 3/8" Static Pressure, Add	189.87	
For 1/2" Static Pressure, Add	261.07	
23 34 13 00-0009 EA 24" Direct Drive Axial Flow Fan, 1-1/2 HP 7,925 CFM Constant Speed, 1/8" Static Pressure	2,137.33	452.33
For 1/4" Static Pressure, Add	98.59	
For 3/8" Static Pressure, Add	197.17	
For 1/2" Static Pressure, Add	271.11	
23 34 13 00-0010 EA 30" Direct Drive Axial Flow Fan, 1 HP 10,640 CFM Constant Speed, 1/8" Static Pressure	2,410.78	475.13
For 1/4" Static Pressure, Add	116.84	
For 3/8" Static Pressure, Add	233.68	
For 1/2" Static Pressure, Add	321.31	
23 34 13 00-0011 EA 30" Direct Drive Axial Flow Fan, 2-1/2 HP 14,765 CFM Constant Speed, 1/8" Static Pressure	2,922.20	593.92
For 1/4" Static Pressure, Add	138.75	
For 3/8" Static Pressure, Add	277.50	
For 1/2" Static Pressure, Add	381.56	
23 34 13 00-0012 EA 36" Direct Drive Axial Flow Fan, 2 HP 16,780 CFM Constant Speed, 1/8" Static Pressure	3,275.24	633.82
For 1/4" Static Pressure, Add	160.66	
For 3/8" Static Pressure, Add	321.32	
For 1/2" Static Pressure, Add	441.81	
23 34 13 00-0013 EA 36" Direct Drive Axial Flow Fan, 5 HP 22,920 CFM Constant Speed, 1/8" Static Pressure	3,835.29	730.75
For 1/4" Static Pressure, Add	189.87	
For 3/8" Static Pressure, Add	379.74	
For 1/2" Static Pressure, Add	522.14	
23 34 13 00-0014 Belt Drive Tube-Axial Duct Fans <small>(23 34 13 00-0001)</small>		
23 34 13 00-0015 EA 15" Belt Drive Axial Flow Fan, 1/3 HP 2,800 CFM Constant Speed, 1/8" Static Pressure	1,210.86	306.94
For 1/4" Static Pressure, Add	47.82	
For 3/8" Static Pressure, Add	95.65	
For 1/2" Static Pressure, Add	131.51	
23 34 13 00-0016 EA 15" Belt Drive Axial Flow Fan, 1/2 HP 3,400 CFM Constant Speed, 1/8" Static Pressure	1,278.49	317.39
For 1/4" Static Pressure, Add	51.60	
For 3/8" Static Pressure, Add	103.20	
For 1/2" Static Pressure, Add	141.90	
23 34 13 00-0017 EA 18" Belt Drive Axial Flow Fan, 1/3 HP 3,280 CFM Constant Speed, 1/8" Static Pressure	1,321.32	327.84
For 1/4" Static Pressure, Add	53.28	
For 3/8" Static Pressure, Add	106.55	
For 1/2" Static Pressure, Add	146.51	
23 34 13 00-0018 EA 18" Belt Drive Axial Flow Fan, 1/2 HP 3,900 CFM Constant Speed, 1/8" Static Pressure	1,393.66	339.25
For 1/4" Static Pressure, Add	57.19	
For 3/8" Static Pressure, Add	114.38	
For 1/2" Static Pressure, Add	157.28	
23 34 13 00-0019 EA 18" Belt Drive Axial Flow Fan, 1 HP 5,250 CFM Constant Speed, 1/8" Static Pressure	1,551.64	352.54
For 1/4" Static Pressure, Add	67.82	
For 3/8" Static Pressure, Add	135.64	
For 1/2" Static Pressure, Add	186.50	
23 34 13 00-0020 EA 24" Belt Drive Axial Flow Fan, 1/2 HP 4,800 CFM Constant Speed, 1/8" Static Pressure	1,632.90	365.85
For 1/4" Static Pressure, Add	72.15	
For 3/8" Static Pressure, Add	144.31	
For 1/2" Static Pressure, Add	198.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 13 00-0021 EA 24" Belt Drive Axial Flow Fan, 1 HP 6,430 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	1,808.96 83.90 167.80 230.73	380.11
23 34 13 00-0022 EA 24" Belt Drive Axial Flow Fan, 2 HP 8,860 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	2,008.54 99.96 199.93 274.90	380.11
23 34 13 00-0023 EA 30" Belt Drive Axial Flow Fan, 1 HP 9,250 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	2,310.61 118.86 237.72 326.86	413.36
23 34 13 00-0024 EA 30" Belt Drive Axial Flow Fan, 5 HP 16,900 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	2,746.10 139.83 279.67 384.54	500.79
23 34 13 00-0025 EA 30" Belt Drive Axial Flow Fan, 5 HP 16,150 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	3,084.98 166.61 333.21 458.17	500.79
23 34 13 00-0026 EA 36" Belt Drive Axial Flow Fan, 3/4 HP 8,090 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	3,381.21 186.03 372.06 511.58	528.34
23 34 13 00-0027 EA 36" Belt Drive Axial Flow Fan, 2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	3,681.25 205.27 410.55 564.50	558.75
23 34 13 00-0028 EA 36" Belt Drive Axial Flow Fan, 7-1/2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	4,254.14 223.73 447.47 615.27	730.75
23 34 13 00-0029 EA 36" Belt Drive Axial Flow Fan, 5 HP 20,080 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	4,789.61 266.57 533.14 733.07	731.70
23 34 13 00-0030 EA 42" Belt Drive Axial Flow Fan, 7-1/2 HP 29,000 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	5,434.18 297.02 594.03 816.79	863.60

23 34 16 Centrifugal HVAC Fans (23 34)

23 34 16 00-0001	Centrifugal Fans (23 34 16) Note: All belt fans to be supplied with belt guard.		
23 34 16 00-0002	Utility Backward Inclined Steel Wheel Centrifugal Fans (23 34 16 00-0001) Note: V-belt driven.		
23 34 16 00-0003	Industrial Type Utility Backward Centrifugal Fans (23 34 16 00-0002) Note: Under 30" diameter wheel.		
23 34 16 00-0004	12-1/4" Diameter Wheel 650 To 2,950 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0005	EA 1/6 HP Centrifugal Fan, 12-1/4" Wheel, 450 - 1,750 CFM At 1/8" Static Pressure	1,011.71	208.77
23 34 16 00-0006	EA 1/4 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,440.75	216.66
23 34 16 00-0007	EA 1/3 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,483.17	172.66
23 34 16 00-0008	EA 1/2 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,548.71	236.62
23 34 16 00-0009	EA 3/4 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,587.75	250.87
23 34 16 00-0010	EA 1 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,638.84	261.32
23 34 16 00-0011	EA 1-1/2 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,691.11	278.43
23 34 16 00-0012	13-1/2" Diameter Wheel 734 To 3,343 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0013	EA 1/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,658.48	228.07
23 34 16 00-0014	EA 1/3 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,689.02	236.62
23 34 16 00-0015	EA 1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,745.55	250.87
23 34 16 00-0016	EA 3/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,778.89	261.32
23 34 16 00-0017	EA 1 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,840.31	278.43
23 34 16 00-0018	EA 1-1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,900.80	291.73
23 34 16 00-0019	15" Diameter Wheel 1,258 To 4,146 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0020	EA 1/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,671.52	236.62
23 34 16 00-0021	EA 1/3 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,710.54	250.87
23 34 16 00-0022	EA 1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,761.38	261.32
23 34 16 00-0023	EA 3/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,805.29	278.43
23 34 16 00-0024	EA 1 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,859.96	291.73
23 34 16 00-0025	EA 1-1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,936.85	313.59
23 34 16 00-0026	EA 2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,996.87	329.74
23 34 16 00-0027	16-1/2" Diameter Wheel 977 To 4,711 CFM At 1/8" Static Pressure (23 34 16 00-0003)		

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 34 HVAC Fans



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0028 EA 1/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	1,911.86	250.87
23 34 16 00-0029 EA 1/3 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	1,980.88	261.32
23 34 16 00-0030 EA 1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,058.05	278.43
23 34 16 00-0031 EA 3/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,099.13	291.73
23 34 16 00-0032 EA 1 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,153.69	313.59
23 34 16 00-0033 EA 1-1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,200.12	329.74
23 34 16 00-0034 EA 2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,442.38	358.25
23 34 16 00-0035 18-1/4" Diameter Wheel 2,193 To 6,498 CFM At 1/8" Static Pressure (23 34 16 00-0035)		
23 34 16 00-0036 EA 1/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	1,975.83	261.32
23 34 16 00-0037 EA 1/3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,024.10	278.43
23 34 16 00-0038 EA 1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,087.53	291.73
23 34 16 00-0039 EA 3/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,138.18	313.59
23 34 16 00-0040 EA 1 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,206.94	329.74
23 34 16 00-0041 EA 1-1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,311.09	358.25
23 34 16 00-0042 EA 2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,379.00	380.11
23 34 16 00-0043 EA 3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,480.86	418.12
23 34 16 00-0044 20" Diameter Wheel 2,412 To 7,364 CFM At 1/8" Static Pressure (23 34 16 00-0044)		
23 34 16 00-0045 EA 1/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	1,997.85	278.43
23 34 16 00-0046 EA 1/3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	2,061.26	291.73
23 34 16 00-0047 EA 1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	2,138.18	313.59
23 34 16 00-0048 EA 3/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	2,206.94	329.74
23 34 16 00-0049 EA 1 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	2,337.34	358.25
23 34 16 00-0050 EA 1-1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,517.78	380.11
23 34 16 00-0051 EA 2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	2,646.67	418.12
23 34 16 00-0052 EA 3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	2,779.45	447.57
23 34 16 00-0053 22-1/4" Diameter Wheel 2,265 To 8,483 CFM At 1/8" Static Pressure (23 34 16 00-0053)		
23 34 16 00-0054 EA 1/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,396.79	291.73
23 34 16 00-0055 EA 1/3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,443.33	313.59
23 34 16 00-0056 EA 1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,505.99	329.74
23 34 16 00-0057 EA 3/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,585.34	358.25
23 34 16 00-0058 EA 1 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,688.98	380.11
23 34 16 00-0059 EA 1-1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,726.89	418.12
23 34 16 00-0060 EA 2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,796.96	447.57
23 34 16 00-0061 EA 3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,922.16	501.74
23 34 16 00-0062 24-1/2" Diameter Wheel 3,055 To 11,380 CFM At 1/8" Static Pressure (23 34 16 00-0062)		
23 34 16 00-0063 EA 1/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	2,879.25	313.59
23 34 16 00-0064 EA 1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	2,976.30	358.25
23 34 16 00-0065 EA 3/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,070.47	380.11
23 34 16 00-0066 EA 1 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,171.84	418.12
23 34 16 00-0067 EA 1-1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,260.85	447.57
23 34 16 00-0068 EA 2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,342.30	501.74
23 34 16 00-0069 EA 3 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,452.18	545.45
23 34 16 00-0070 EA 5 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,707.41	627.17
23 34 16 00-0071 27" Diameter Wheel 2,734 To 13,266 CFM At 1/8" Static Pressure (23 34 16 00-0071)		
23 34 16 00-0072 EA 1/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	3,188.72	329.74
23 34 16 00-0073 EA 1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	3,289.30	380.11
23 34 16 00-0074 EA 3/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	3,390.66	418.12
23 34 16 00-0075 EA 1 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	3,479.68	447.57
23 34 16 00-0076 EA 1-1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	3,604.89	501.74
23 34 16 00-0077 EA 2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	3,714.50	545.45
23 34 16 00-0078 EA 3 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	3,988.33	627.17
23 34 16 00-0079 EA 5 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	4,031.83	696.54
23 34 16 00-0080 Large Industrial Type Utility Backward Centrifugal Fans (23 34 16 00-0080) Note: Over 30" diameter wheel.		
23 34 16 00-0081 30" Diameter Wheel 4,926 To 17,456 CFM At 1/8" Static Pressure (23 34 16 00-0081)		
23 34 16 00-0082 EA 1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	4,462.89	418.12
23 34 16 00-0083 EA 3/4 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	4,548.47	447.57
23 34 16 00-0084 EA 1 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	4,681.50	501.74
23 34 16 00-0085 EA 1-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	4,799.85	545.45
23 34 16 00-0086 EA 2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	4,976.58	627.17
23 34 16 00-0087 EA 3 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	5,134.68	696.54
23 34 16 00-0088 EA 5 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	5,398.38	836.24
23 34 16 00-0089 EA 7-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	5,641.34	964.52
23 34 16 00-0090 33" Diameter Wheel 5,734 To 19,799 CFM At 1/8" Static Pressure (23 34 16 00-0090)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0091 EA 1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	5,230.26	447.57
23 34 16 00-0092 EA 3/4 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	5,399.23	501.74
23 34 16 00-0093 EA 1 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	5,552.87	545.45
23 34 16 00-0094 EA 1-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	5,764.35	627.17
23 34 16 00-0095 EA 2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	5,957.47	696.54
23 34 16 00-0096 EA 3 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	6,256.16	836.24
23 34 16 00-0097 EA 5 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	6,586.96	964.52
23 34 16 00-0098 EA 7-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,064.73	1,254.35
23 34 16 00-0099 36-1/2" Diameter Wheel 5,388 To 22,500 CFM At 1/8" Static Pressure (23 34 16 00-0099)		
23 34 16 00-0100 EA 1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	4,346.68	501.74
23 34 16 00-0101 EA 3/4 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	4,412.79	545.45
23 34 16 00-0102 EA 1 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	4,536.73	627.17
23 34 16 00-0103 EA 1-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	4,659.96	696.54
23 34 16 00-0104 EA 2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	5,300.85	836.24
23 34 16 00-0105 EA 3 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	5,570.12	964.52
23 34 16 00-0106 EA 5 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	6,085.59	1,254.35
23 34 16 00-0107 EA 7-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	6,637.59	1,567.93
23 34 16 00-0108 Kitchen System Fans (23 34 16 00-0001)		
23 34 16 00-0109 Upblast Kitchen Exhaust Fans (23 34 16 00-0108)		
23 34 16 00-0110 Direct Drive Kitchen Upblast Exhaust Fans (23 34 16 00-0109)		
Note: Greenheck CUE.		
23 34 16 00-0111 EA Up To 12" Wheel Diameter, 1/6 HP Direct Drive, Kitchen Upblast Exhaust Fan	743.83	123.53
Note: 115V. For roof or wall installations. Includes disconnect switch.		
For Bird Screen, Add	28.15	
For Backdraft Damper, Add	81.01	
For Damper Motor, Add	124.17	
23 34 16 00-0112 EA 14" Wheel Diameter, 1/4 HP Direct Drive, Kitchen Upblast Exhaust Fan	855.66	123.53
Note: 115V. For roof or wall installations. Includes disconnect switch.		
For Bird Screen, Add	28.15	
For Backdraft Damper, Add	81.01	
For Damper Motor, Add	124.17	
23 34 16 00-0113 Belt Drive Kitchen Upblast Exhaust Fans (23 34 16 00-0109)		
Note: Greenheck CUBE.		
23 34 16 00-0114 EA 10" Diameter Wheel, Up To 1/3 HP, 1,458 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	1,209.03	123.53
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	28.15	
For Wall Mounted Fan, Add	48.36	
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	81.77	
For Backdraft Damper, Add	81.01	
For Damper Motor, Add	124.17	
23 34 16 00-0115 EA 12" Diameter Wheel, 1/2 HP, 1,923 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	1,257.57	123.53
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	28.15	
For Wall Mounted Fan, Add	50.30	
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	85.89	
For Backdraft Damper, Add	81.01	
For Damper Motor, Add	124.17	
23 34 16 00-0116 EA 14" Diameter Wheel, 1/3 HP, 2,006 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	1,108.23	142.53
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	32.03	
For Wall Mounted Fan, Add	44.33	
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	69.97	
For Backdraft Damper, Add	91.76	
For Damper Motor, Add	124.17	
23 34 16 00-0117 EA 14" Diameter Wheel, 1 HP, 2,757 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	1,178.12	142.53
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	32.03	
For Wall Mounted Fan, Add	47.12	
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	75.91	
For Backdraft Damper, Add	91.76	
For Damper Motor, Add	124.17	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0118	EA	16" Diameter Wheel, 1/2 HP, 2,940 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	1,485.78	166.29
		<i>For Bird Screen, Add</i>	32.03	
		<i>For Wall Mounted Fan, Add</i>	59.43	
		<i>For 3 Phase Motor, Deduct</i>	-50.00	
		<i>For Totally Enclosed Motor, Add</i>	85.00	
		<i>For Grease Trap Kit, Add</i>	76.41	
		<i>For Hinged Curb Kit, Add</i>	98.02	
		<i>For Backdraft Damper, Add</i>	91.76	
		<i>For Damper Motor, Add</i>	124.17	
23 34 16 00-0119	EA	16" Diameter Wheel, 1 HP, 3,129 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	1,560.53	166.29
		<i>For Bird Screen, Add</i>	32.03	
		<i>For Wall Mounted Fan, Add</i>	62.42	
		<i>For 3 Phase Motor, Deduct</i>	-50.00	
		<i>For Totally Enclosed Motor, Add</i>	85.00	
		<i>For Grease Trap Kit, Add</i>	76.41	
		<i>For Hinged Curb Kit, Add</i>	104.37	
		<i>For Backdraft Damper, Add</i>	91.76	
		<i>For Damper Motor, Add</i>	124.17	
23 34 16 00-0120	EA	18" Diameter Wheel, 1/2 HP, 3,243 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	1,697.86	178.17
		<i>For Bird Screen, Add</i>	53.39	
		<i>For Wall Mounted Fan, Add</i>	67.91	
		<i>For 3 Phase Motor, Deduct</i>	-50.00	
		<i>For Totally Enclosed Motor, Add</i>	85.00	
		<i>For Grease Trap Kit, Add</i>	76.41	
		<i>For Hinged Curb Kit, Add</i>	114.03	
		<i>For Backdraft Damper, Add</i>	111.52	
		<i>For Damper Motor, Add</i>	124.17	
23 34 16 00-0121	EA	18" Diameter Wheel, 1 HP, 4,223 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	1,814.34	178.17
		<i>For Bird Screen, Add</i>	53.39	
		<i>For Wall Mounted Fan, Add</i>	72.57	
		<i>For 3 Phase Motor, Deduct</i>	-50.00	
		<i>For Totally Enclosed Motor, Add</i>	85.00	
		<i>For Grease Trap Kit, Add</i>	76.41	
		<i>For Hinged Curb Kit, Add</i>	123.93	
		<i>For Backdraft Damper, Add</i>	111.52	
		<i>For Damper Motor, Add</i>	124.17	
23 34 16 00-0122	EA	20" Diameter Wheel, 3/4 HP, 4,438 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	1,851.69	190.05
		<i>For Bird Screen, Add</i>	53.39	
		<i>For Wall Mounted Fan, Add</i>	74.07	
		<i>For 3 Phase Motor, Deduct</i>	-50.00	
		<i>For Totally Enclosed Motor, Add</i>	85.00	
		<i>For Grease Trap Kit, Add</i>	76.41	
		<i>For Hinged Curb Kit, Add</i>	125.08	
		<i>For Backdraft Damper, Add</i>	111.52	
		<i>For Damper Motor, Add</i>	124.17	
23 34 16 00-0123	EA	20" Diameter Wheel, 2 HP, 6,450 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,015.74	190.05
		<i>For Bird Screen, Add</i>	53.39	
		<i>For Wall Mounted Fan, Add</i>	80.63	
		<i>For 3 Phase Motor, Deduct</i>	-50.00	
		<i>For Totally Enclosed Motor, Add</i>	85.00	
		<i>For Grease Trap Kit, Add</i>	76.41	
		<i>For Hinged Curb Kit, Add</i>	139.03	
		<i>For Backdraft Damper, Add</i>	111.52	
		<i>For Damper Motor, Add</i>	124.17	
23 34 16 00-0124	EA	24" Diameter Wheel, 3/4 HP, 5,460 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,317.56	213.81
		<i>For Bird Screen, Add</i>	63.10	
		<i>For Wall Mounted Fan, Add</i>	92.70	
		<i>For 3 Phase Motor, Deduct</i>	-50.00	
		<i>For Totally Enclosed Motor, Add</i>	85.00	
		<i>For Grease Trap Kit, Add</i>	76.41	
		<i>For Hinged Curb Kit, Add</i>	160.65	
		<i>For Backdraft Damper, Add</i>	121.27	
		<i>For Damper Motor, Add</i>	124.17	
23 34 16 00-0125	EA	24" Diameter Wheel, 2 HP, 7,985 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,468.02	213.81
		<i>For Bird Screen, Add</i>	63.10	
		<i>For Wall Mounted Fan, Add</i>	98.72	
		<i>For 3 Phase Motor, Deduct</i>	-50.00	
		<i>For Totally Enclosed Motor, Add</i>	85.00	
		<i>For Grease Trap Kit, Add</i>	76.41	
		<i>For Hinged Curb Kit, Add</i>	173.43	
		<i>For Backdraft Damper, Add</i>	121.27	
		<i>For Damper Motor, Add</i>	124.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0126 EA 30" Diameter Wheel, 3/4 HP, 7,771 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....2,912.56		237.56
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	67.95	
<i>For Wall Mounted Fan, Add</i>	116.50	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	207.18	
<i>For Backdraft Damper, Add</i>	134.01	
<i>For Damper Motor, Add</i>	124.17	
23 34 16 00-0127 EA 30" Diameter Wheel, 2 HP, 10,192 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....2,962.06		237.56
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	67.95	
<i>For Wall Mounted Fan, Add</i>	118.48	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	211.39	
<i>For Backdraft Damper, Add</i>	134.01	
<i>For Damper Motor, Add</i>	124.17	
23 34 16 00-0128 EA 30" Diameter Wheel, 3 HP, 11,903 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....3,213.47		237.56
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	67.95	
<i>For Wall Mounted Fan, Add</i>	128.54	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	232.76	
<i>For Backdraft Damper, Add</i>	134.01	
<i>For Damper Motor, Add</i>	124.17	
23 34 16 00-0129 EA 30" Diameter Wheel, 5 HP, 14,266 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....3,334.81		237.56
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	67.95	
<i>For Wall Mounted Fan, Add</i>	133.39	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	243.07	
<i>For Backdraft Damper, Add</i>	134.01	
<i>For Damper Motor, Add</i>	124.17	
23 34 16 00-0130 EA 36" Diameter Wheel, 3 HP , 14,769 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....3,671.74		261.32
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	77.66	
<i>For Wall Mounted Fan, Add</i>	146.87	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	267.67	
<i>For Damper Motor, Add</i>	124.17	
<i>For Backdraft Damper, Add</i>	154.91	
23 34 16 00-0131 EA 36" Diameter Wheel, 5 HP , 17,884 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....3,811.27		261.32
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	77.66	
<i>For Wall Mounted Fan, Add</i>	152.45	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	279.53	
<i>For Damper Motor, Add</i>	124.17	
<i>For Backdraft Damper, Add</i>	154.91	
23 34 16 00-0132 EA 42" Diameter Wheel, 3 HP , 17,316 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....3,862.69		285.08
Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	77.66	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	279.87	
<i>For Damper Motor, Add</i>	124.17	
<i>For Backdraft Damper, Add</i>	177.19	
23 34 16 00-0133 EA 42" Diameter Wheel, 7-1/2 HP , 24,604 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....4,169.04		285.08
Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	77.66	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	305.91	
<i>For Damper Motor, Add</i>	124.17	
<i>For Backdraft Damper, Add</i>	177.19	
23 34 16 00-0134 Untempered Kitchen Make-Up Air Fans (23 34 16 00-0108)		
Note: Roof mounted with downblast discharge, weatherhood and filter.		
23 34 16 00-0135 Direct Drive Kitchen Make-Up Air Fans (23 34 16 00-0134)		
23 34 16 00-0136 EA 7" Diameter Wheel, 1/2 HP Direct Drive, Kitchen Make-Up Air Fan .....847.06		123.53
Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
<i>For Extended Weatherhood, Add</i>	151.74	
23 34 16 00-0137 EA 8" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan .....885.06		123.53
Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
<i>For Extended Weatherhood, Add</i>	157.44	
23 34 16 00-0138 EA 9" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan .....931.68		123.53
Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
<i>For Extended Weatherhood, Add</i>	164.44	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0139 Belt Drive Kitchen Make-Up Air Fans (23 34 16 00-0134)		
23 34 16 00-0140 EA 9" Diameter Wheel, 1/2 HP Belt Drive, Kitchen Make-Up Air Fan.....	949.76	123.53
Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
For Extended Weatherhood, Add	167.15	
23 34 16 00-0141 EA 10" Diameter Wheel, 1-1/2 HP Belt Drive, Kitchen Make-Up Air Fan.....	1,087.19	166.29
Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
For Extended Weatherhood, Add	196.34	
23 34 16 00-0142 EA 12" Diameter Wheel, 2 HP Belt Drive, Kitchen Make-Up Air Fan.....	1,302.27	190.05
Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
For Extended Weatherhood, Add	233.35	
23 34 16 00-0143 EA 15" Diameter Wheel, 3 HP Belt Drive, Kitchen Make-Up Air Fan.....	1,523.49	237.56
Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
For Extended Weatherhood, Add	276.04	
23 34 16 00-0144 EA 18" Diameter Wheel, 5 HP Belt Drive, Kitchen Make-Up Air Fan.....	1,841.73	285.08
Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
For Extended Weatherhood, Add	333.27	
23 34 16 00-0145 Replacement Parts (23 34 16 00-0001)		
23 34 16 00-0146 Replace Belts And Accessories (23 34 16 00-0145)		
23 34 16 00-0147 EA Fan Shaft Bearing, Replacement.....	681.30	314.10
23 34 16 00-0148 EA Fan Belt, Replacement.....	106.52	42.61
23 34 16 00-0149 Corrosive Fume Resistant Plastic (23 34 16 00-0001)		
23 34 16 00-0150 Centrifugal Roof Ventilators, Belt Drive, 1/4" Static Pressure (23 34 16 00-0149)		
23 34 16 00-0151 EA 250 CFM, 1/4 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	3,595.94	171.83
For Explosion Proof Motor, Add	487.84	
23 34 16 00-0152 EA 895 CFM, 1/3 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	3,918.52	206.41
For Explosion Proof Motor, Add	525.86	
23 34 16 00-0153 EA 1,630 CFM, 1/2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	4,655.29	258.01
For Explosion Proof Motor, Add	620.89	
23 34 16 00-0154 EA 2,240 CFM, 1 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	5,038.90	344.19
For Explosion Proof Motor, Add	652.57	
23 34 16 00-0155 EA 3,810 CFM, 2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	5,847.12	516.03
For Explosion Proof Motor, Add	722.26	
23 34 16 00-0156 EA 11,760 CFM, 5 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	10,173.67	1,032.06
For Explosion Proof Motor, Add	1,216.44	
23 34 16 00-0157 EA 18,810 CFM, 10 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	14,819.28	1,475.32
For Explosion Proof Motor, Add	1,780.30	
23 34 16 00-0158 Utility Set, Centrifugal, Belt Drive (23 34 16 00-0149)		
23 34 16 00-0159 EA 1,200 CFM, 1/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....	3,595.94	171.83
For Explosion Proof Motor, Add	487.84	
23 34 16 00-0160 EA 1,520 CFM, 1/3 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....	3,707.33	206.41
For Explosion Proof Motor, Add	494.18	
23 34 16 00-0161 EA 1,850 CFM, 1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....	3,810.54	258.01
For Explosion Proof Motor, Add	494.18	
23 34 16 00-0162 EA 2,180 CFM, 3/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....	3,982.96	344.19
For Explosion Proof Motor, Add	494.18	
23 34 16 00-0163 EA 3,600 CFM, 1 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....	5,509.22	516.03
For Explosion Proof Motor, Add	671.57	
23 34 16 00-0164 EA 4,250 CFM, 1-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....	5,767.22	645.03
For Explosion Proof Motor, Add	671.57	
23 34 16 00-0165 EA 4,800 CFM, 2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....	5,953.39	738.12
For Explosion Proof Motor, Add	671.57	
23 34 16 00-0166 EA 6,920 CFM, 5 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....	6,109.70	774.04
For Explosion Proof Motor, Add	684.24	
23 34 16 00-0167 EA 7,700 CFM, 7-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....	6,323.96	860.01
For Explosion Proof Motor, Add	690.58	
23 34 16 00-0168 In-Line Duct Fans (23 34 16 00-0001)		
23 34 16 00-0169 Direct Drive In-Line Duct Fans (23 34 16 00-0168)		
Note: Greenheck SQ.		
23 34 16 00-0170 EA Up To 10" Wheel Diameter, 1/16 HP Direct Drive, In Line Duct Fan.....	951.45	123.53
Note: 115V. Includes disconnect switch.		
23 34 16 00-0171 EA 13" Wheel Diameter, 1/6 HP Direct Drive, In Line Duct Fan.....	1,200.00	133.04
Note: 115V. Includes disconnect switch.		
23 34 16 00-0172 EA 14" Wheel Diameter, 1/3 HP Direct Drive, In Line Duct Fan.....	1,313.71	142.53
Note: 115V. Includes disconnect switch.		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0173 Belt Drive In-Line Duct Fans <small>(23 34 16 00-0168)</small>						
Note: Greenheck BSQ.						
	23 34 16 00-0174	EA		Up To 12" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan	1,368.50	142.53
Note: 115/208-230/60/1. Includes disconnect switch.						
<i>For 3 Phase Motor, Deduct</i>						
<i>For Totally Enclosed Motor, Add</i>						
	23 34 16 00-0175	EA		13" Or 14" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan	1,574.45	166.29
Note: 115/208-230/60/1. Includes disconnect switch.						
<i>For 3 Phase Motor, Deduct</i>						
<i>For Totally Enclosed Motor, Add</i>						
	23 34 16 00-0176	EA		13" Or 14" Wheel Diameter, 3/4 HP Belt Drive, In Line Duct Fan	1,757.31	166.29
Note: 115/208-230/60/1. Includes disconnect switch.						
<i>For 3 Phase Motor, Deduct</i>						
<i>For Totally Enclosed Motor, Add</i>						
	23 34 16 00-0177	EA		13" Or 14" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan	1,912.76	166.29
Note: 115/208-230/60/1. Includes disconnect switch.						
<i>For 3 Phase Motor, Deduct</i>						
<i>For Totally Enclosed Motor, Add</i>						
	23 34 16 00-0178	EA		16" Or 18" Wheel Diameter, 1/3 HP Belt Drive, In Line Duct Fan	1,881.07	190.05
Note: 115/208-230/60/1. Includes disconnect switch.						
<i>For 3 Phase Motor, Deduct</i>						
<i>For Totally Enclosed Motor, Add</i>						
	23 34 16 00-0179	EA		16" Or 18" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan	2,144.33	190.05
Note: 115/208-230/60/1. Includes disconnect switch.						
<i>For 3 Phase Motor, Deduct</i>						
<i>For Totally Enclosed Motor, Add</i>						
	23 34 16 00-0180	EA		24" Wheel Diameter, 1 HP Belt Drive, In Line Duct Fan	2,725.96	237.56
Note: 115/208-230/60/1. Includes disconnect switch.						
<i>For 3 Phase Motor, Deduct</i>						
<i>For Totally Enclosed Motor, Add</i>						
	23 34 16 00-0181	EA		24" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan	2,871.29	237.56
Note: 230/460/60/3. Includes disconnect switch.						
<i>For Totally Enclosed Motor, Add</i>						
	23 34 16 00-0182	EA		24" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan	2,973.74	237.56
Note: Belt drive. 230/460/60/3. Includes disconnect switch.						
<i>For Totally Enclosed Motor, Add</i>						
	23 34 16 00-0183	EA		30 Or 36" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan	3,445.85	285.08
Note: 230/460/60/3. Includes disconnect switch.						
<i>For Totally Enclosed Motor, Add</i>						
	23 34 16 00-0184	EA		30 Or 36" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan	3,568.12	285.08
Note: 230/460/60/3. Includes disconnect switch.						
<i>For Totally Enclosed Motor, Add</i>						
	23 34 16 00-0185	EA		30 Or 36" Wheel Diameter, 7-1/2 HP Belt Drive, In Line Duct Fan	3,718.39	285.08
Note: 230/460/60/3. Includes disconnect switch.						
<i>For Totally Enclosed Motor, Add</i>						
23 34 16 00-0186 In-Line Cabinet Fans <small>(23 34 16 00-0001)</small>						
	23 34 16 00-0187	EA		950 CFM, 80 Watts, Direct Drive In-Line Cabinet Fan	305.94	83.15
	23 34 16 00-0188	EA		1,050 CFM, 129 Watts, Direct Drive In-Line Cabinet Fan	320.64	83.15
	23 34 16 00-0189	EA		1,100 CFM, 173 Watts, Direct Drive In-Line Cabinet Fan	340.59	83.15
	23 34 16 00-0190	EA		950 CFM, 48.7 Watts, Direct Drive In-Line Cabinet Fan	339.54	83.15
	23 34 16 00-0191	EA		1,100 CFM, 52.5 Watts, Direct Drive In-Line Cabinet Fan	339.54	83.15
	23 34 16 00-0192	EA		1,400 CFM, 100 Watts, Direct Drive In-Line Cabinet Fan	371.04	83.15
	23 34 16 00-0193	EA		900 CFM, 48.2 Watts, Direct Drive In-Line Cabinet Fan	437.25	87.89
	23 34 16 00-0194	EA		1,000 CFM, 82.7 Watts, Direct Drive In-Line Cabinet Fan	381.60	87.89
	23 34 16 00-0195	EA		1,050 CFM, 80.7 Watts, Direct Drive In-Line Cabinet Fan	402.60	87.89
	23 34 16 00-0196	EA		1,350 CFM, 140 Watts, Direct Drive In-Line Cabinet Fan	416.25	87.89
	23 34 16 00-0197	EA		1,000 CFM, 135 Watts, Direct Drive In-Line Cabinet Fan	432.00	87.89
	23 34 16 00-0198	EA		1,070 CFM, 217 Watts, Direct Drive In-Line Cabinet Fan	432.00	87.89
	23 34 16 00-0199	EA		1,100 CFM, 350 Watts, Direct Drive In-Line Cabinet Fan	669.36	92.65
	23 34 16 00-0200	EA		1,080 CFM, 325 Watts, Direct Drive In-Line Cabinet Fan	573.81	92.65
	23 34 16 00-0201	EA		1,600 CFM, 405 Watts, Direct Drive In-Line Cabinet Fan	573.81	92.65
	23 34 16 00-0202	EA		950 CFM, 328 Watts, Direct Drive In-Line Cabinet Fan	753.36	92.65
	23 34 16 00-0203	EA		1,095 CFM, 455 Watts, Direct Drive In-Line Cabinet Fan	753.36	92.65
	23 34 16 00-0204	EA		1,450 CFM, 822 Watts, Direct Drive In-Line Cabinet Fan	753.36	92.65
	23 34 16 00-0205	EA		1,610 CFM, 830 Watts, Direct Drive In-Line Cabinet Fan	813.21	92.65
23 34 16 00-0206 Propeller And Ceiling Fans <small>(23 34 16)</small>						
23 34 16 00-0207 Direct Drive, Sidewall Propeller Exhaust Fan <small>(23 34 16 00-0206)</small>						
Note: Greenheck SE1.						
	23 34 16 00-0208	EA		1/25 HP, 307 CFM At 1/8" Static Pressure, 8" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	424.70	101.68
Note: Includes motor side guard.						
<i>For Backdraft Damper, Add</i>						
<i>For Wall Mount Collar, Add</i>						
	23 34 16 00-0209	EA		1/12 HP, 763 CFM At 1/8" Static Pressure, 10" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	454.30	113.08
Note: Includes motor side guard.						
<i>For Backdraft Damper, Add</i>						
<i>For Wall Mount Collar, Add</i>						

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0210 EA 1/8 HP, 1,149 CFM At 1/8" Static Pressure, 12" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan .....503.27		125.43
Note: Includes motor side guard.		
For Backdraft Damper, Add	103.01	
For Wall Mount Collar, Add	146.04	
23 34 16 00-0211 EA 1/6 HP, 1,350 CFM At 1/8" Static Pressure, 14" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan .....699.72		138.74
For Backdraft Damper, Add	121.76	
For Wall Mount Collar, Add	148.94	
For Motor Side Guard, Add	118.23	
23 34 16 00-0212 EA 1/6 HP, 2,012 CFM At 1/8" Static Pressure, 16" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan .....827.74		153.94
For Backdraft Damper, Add	121.76	
For Wall Mount Collar, Add	152.80	
For Motor Side Guard, Add	125.96	
23 34 16 00-0213 EA 1/4 HP, 2,908 CFM At 1/8" Static Pressure, 18" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan .....929.41		171.05
For Backdraft Damper, Add	145.52	
For Wall Mount Collar, Add	156.66	
For Motor Side Guard, Add	133.72	
23 34 16 00-0214 EA 1/3 HP, 3,974 CFM At 1/8" Static Pressure, 20" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan .....1,058.14		190.05
For Backdraft Damper, Add	145.52	
For Wall Mount Collar, Add	159.55	
For Motor Side Guard, Add	144.37	
23 34 16 00-0215 Belt Drive Propeller Exhaust Fans (23 34 16 00-0206)		
Note: Wall shutter 1/8" static pressure, with birdscreen.		
23 34 16 00-0216 EA 24" Propeller Exhaust Fan, V-Belt Drive, 5,795 CFM, 1/2 HP, With Wall Shutter.....1,558.78		271.77
23 34 16 00-0217 EA 30" Propeller Exhaust Fan, V-Belt Drive, 9,060 CFM, 3/4 HP, With Wall Shutter.....1,788.89		316.43
23 34 16 00-0218 EA 36" Propeller Exhaust Fan, V-Belt Drive, 11,850 CFM, 1 HP, With Wall Shutter.....2,042.26		380.11
23 34 16 00-0219 EA 42" Propeller Exhaust Fan, V-Belt Drive, 17,400 CFM, 1-1/2 HP, With Wall Shutter.....2,809.80		475.13
23 34 16 00-0220 EA 48" Propeller Exhaust Fan, V-Belt Drive, 19,870 CFM, 1-1/2 HP, With Wall Shutter.....3,393.67		633.82
23 34 16 00-0221 EA 54" Propeller Exhaust Fan, V-Belt Drive, 26,000 CFM, 2 HP, With Wall Shutter.....4,757.66		950.26
23 34 16 00-0222 EA 60" Propeller Exhaust Fan, V-Belt Drive, 35,120 CFM, 3 HP, With Wall Shutter.....5,759.11		1,218.23
23 34 16 00-0223 Propeller Exhaust Fan Accessories (23 34 16 00-0206)		
23 34 16 00-0224 SF Hinged Mesh Screen For Wall Propeller Fans, 1" x 1" Frame (SF Of Fan Opening).....81.73		
23 34 16 00-0225 SF Galvanized Weather Hood For Wall Propeller Fan (SF Of Fan Opening).....185.20		
23 34 16 00-0226 Reversible Ceiling Fans (23 34 16 00-0206)		
23 34 16 00-0227 4 Blade Ceiling Fans (23 34 16 00-0226)		
23 34 16 00-0228 EA 42" 4-Blade Ceiling Fan, Three Speed.....369.40		47.84
For Brass Plated Motor, Add	20.25	
For Light Kit, Add	25.80	
23 34 16 00-0229 5 Blade Ceiling Fans (23 34 16 00-0226)		
23 34 16 00-0230 EA 42" 5-Blade Ceiling Fan, Three Speed.....402.79		118.39
For Brass Plated Motor, Add	20.25	
For Light Kit, Add	25.85	
23 34 16 00-0231 EA 52" 5-Blade Ceiling Fan, Three Speed.....458.65		118.39
For Brass Plated Motor, Add	20.25	
For Light Kit, Add	25.94	
23 34 16 00-0232 3 Blade Weatherproof Ceiling Fans (23 34 16 00-0226)		
23 34 16 00-0233 EA 3-Blade Ceiling Fan, Weatherproof, Three Speed.....383.78		47.04
23 34 16 00-0234 Ceiling Fan Down Rod (23 34 16 00-0226)		
23 34 16 00-0235 EA 1' Ceiling Fan Down Rod .....15.73		
23 34 16 00-0236 EA 1-1/2' Ceiling Fan Down Rod .....19.84		
23 34 16 00-0237 EA 2' Ceiling Fan Down Rod .....21.89		
23 34 16 00-0238 EA 3' Ceiling Fan Down Rod .....28.51		
23 34 16 00-0239 EA 4' Ceiling Fan Down Rod .....33.14		
23 34 16 00-0240 EA 5' Ceiling Fan Down Rod .....40.21		
23 34 16 00-0241 EA 6' Ceiling Fan Down Rod .....49.67		
23 34 16 00-0242 Explosion Proof Industrial Blowers (23 34 16 00-0206)		
23 34 16 00-0243 EA 355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, Explosion Proof .....3,186.64		
23 34 16 00-0244 EA 355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, Explosion Proof .....3,489.82		
23 34 16 00-0245 EA 355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, Explosion Proof .....4,610.35		
23 34 16 00-0246 EA 355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, Explosion Proof .....4,819.07		
23 34 16 00-0247 EA 355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, TEFC Motor Enclosure .....2,914.21		
23 34 16 00-0248 EA 355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, TEFC Motor Enclosure .....3,096.16		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0249 EA 355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, TEFC Motor Enclosure.....	4,209.16	
23 34 16 00-0250 EA 355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, TEFC Motor Enclosure.....	4,552.47	
23 34 16 00-0251 Exhaust Fans <small>(23 34 16)</small>		
23 34 16 00-0252 Exhaust Fans <small>(23 34 16 00-0251)</small> Note: Excludes ducting.		
23 34 16 00-0253 Light Duty Exhaust Fans <small>(23 34 16 00-0252)</small>		
23 34 16 00-0254 Light Duty Exhaust Fans <small>(23 34 16 00-0253)</small>		
23 34 16 00-0255 EA 50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 670).....	106.78	38.66
23 34 16 00-0256 EA 70 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 671).....	111.70	38.66
23 34 16 00-0257 EA 180 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 505).....	170.79	38.66
23 34 16 00-0258 EA 350 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 504).....	210.30	38.66
23 34 16 00-0259 EA 160 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 503).....	190.24	38.66
23 34 16 00-0260 EA 270 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 502).....	246.34	38.66
23 34 16 00-0261 Light Duty Exhaust Fans With Lights <small>(23 34 16 00-0253)</small>		
23 34 16 00-0262 EA 50 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 678).....	133.10	38.66
23 34 16 00-0263 EA 70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 679).....	145.43	38.66
23 34 16 00-0264 EA 100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 680).....	253.87	38.66
23 34 16 00-0265 Light Duty Exhaust Fans With Heaters <small>(23 34 16 00-0253)</small>		
23 34 16 00-0266 EA 70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater Bulb (Broan® 162).....	135.78	38.66
23 34 16 00-0267 EA 70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater (Broan® 658).....	203.39	38.66
23 34 16 00-0268 Light Duty Exhaust Fans With Heaters And Lights <small>(23 34 16 00-0253)</small>		
23 34 16 00-0269 EA 70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 655).....	215.11	38.66
23 34 16 00-0270 EA 100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 100HL).....	315.75	38.66
23 34 16 00-0271 Heavy Duty/Continuous Operation Exhaust Fans <small>(23 34 16 00-0271)</small>		
23 34 16 00-0272 Heavy Duty/Continuous Operation Exhaust Fans <small>(23 34 16 00-0271)</small> Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0273 EA 50 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD50).....	154.39	38.66
23 34 16 00-0274 EA 80 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD80).....	168.53	38.66
23 34 16 00-0275 EA 109 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L100MG).....	290.84	38.66
23 34 16 00-0276 EA 157 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L150MG).....	297.39	38.66
23 34 16 00-0277 EA 210 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L200MG).....	317.77	38.66
23 34 16 00-0278 EA 259 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L250MG).....	330.80	38.66
23 34 16 00-0279 EA 308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300MG).....	335.84	38.66
23 34 16 00-0280 EA 434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400).....	381.34	38.66
23 34 16 00-0281 EA 514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500).....	431.53	38.66
23 34 16 00-0282 EA 701 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L700).....	460.12	38.66
23 34 16 00-0283 EA 901 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L900).....	543.63	38.66
23 34 16 00-0284 EA 1,513 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L1500).....	692.39	38.66
23 34 16 00-0285 Heavy Duty/Continuous Operation Kitchen Exhaust Fans <small>(23 34 16 00-0271)</small> Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0286 EA 308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300KMG).....	301.20	38.66
23 34 16 00-0287 EA 434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400K).....	427.78	38.66
23 34 16 00-0288 EA 514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500K).....	451.22	38.66

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0289 Heavy Duty/Continuous Operation Exhaust Fans With Lights (23 34 16 00-0271)		
23 34 16 00-0290 EA 50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD50L)	165.97	38.66
23 34 16 00-0291 EA 80 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD80L)	179.24	38.66
23 34 16 00-0292 Fire Rated, Heavy Duty/Continuous Operation Exhaust Fans (23 34 16 00-0271)		
23 34 16 00-0293 EA 50 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD50RDF)	171.79	38.66
23 34 16 00-0294 EA 80 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD80RDF)	180.58	38.66
23 34 16 00-0295 EA 110 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® 110RDF).....	184.82	38.66
23 34 16 00-0296 Low Sound, Direct Drive, Centrifugal Ceiling Exhaust Fans (23 34 16 00-0252)		
23 34 16 00-0297 EA 900 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A900)	742.42	38.66
23 34 16 00-0298 EA 1050 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1050)	742.42	38.66
23 34 16 00-0299 EA 1410 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1410)	742.42	38.66
23 34 16 00-0300 EA 1550 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1550)	812.67	38.66
23 34 16 00-0301 Room-To-Room Exhaust Fans (23 34 16 00-0252)		
23 34 16 00-0302 EA 90 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 512)	129.78	38.66
23 34 16 00-0303 EA 180 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 511)	201.55	38.66
23 34 16 00-0304 EA 380 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 510)	227.70	38.66
23 34 16 00-0305 Through-Wall Exhaust Fans (23 34 16 00-0252)		
23 34 16 00-0306 EA 250 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 507)	214.03	38.66
23 34 16 00-0307 EA 470 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 506)	250.07	38.66
23 34 16 00-0308 EA 180 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 509)	189.24	38.66
23 34 16 00-0309 EA 270 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 508)	246.34	38.66
23 34 16 00-0310 EA 360 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan With Motorized Door (Broan® 12C)	415.37	38.66
23 34 16 00-0311 Exhaust Fan Accessories (23 34 16 00-0252)		
23 34 16 00-0312 Exhaust Fan Controls (23 34 16 00-0311)		
23 34 16 00-0313 EA Electronic Variable Speed Control Dial, Single Gang, Exhaust Fan Controls (Broan® 57)	119.16	24.16
23 34 16 00-0314 EA 60-Minute Time Control Dial, Single Gang, Exhaust Fan Controls (Broan® 59).....	87.28	24.16
23 34 16 00-0315 EA 60-Minute Time Control Dial With Rocker Switch, Double Gang, Exhaust Fan Controls (Broan® 61)	88.04	24.16
23 34 16 00-0316 Roof And Wall Caps For Exhaust Fans (23 34 16 00-0311)		
23 34 16 00-0317 Wall Caps For Exhaust Fans (23 34 16 00-0316)		
23 34 16 00-0318 EA Aluminum Wall Cap For Up To 12" Duct, Installed On Exterior Walls (Broan® 613)	201.70	51.61
23 34 16 00-0319 EA Aluminum Wall Cap For Up To 18" Duct, Installed On Exterior Walls (Broan® 643)	204.21	51.61
23 34 16 00-0320 Roof Caps For Exhaust Fans (23 34 16 00-0316)		
Note: Includes flashing and built in bird screen.		
23 34 16 00-0321 EA Aluminum Roof Cap For Up To 8" Duct, Installed On Flat Roofs (Broan® 611)	175.80	51.61
23 34 16 00-0322 EA Aluminum Roof Cap For Up To 12" Duct, Installed On Flat Roofs (Broan® 612)	240.98	51.61
23 34 16 00-0323 EA CRCQ Steel Roof Cap For Up To 4" Duct, Installed On Sloped Roofs (Broan® 636)	125.70	51.61
23 34 16 00-0324 EA CRCQ Steel Roof Cap For Up To 8" Duct, Installed On Sloped Roofs (Broan® 634)	145.25	51.61
23 34 16 00-0325 Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan (23 34 16 00-0252)		
Note: Includes storage and cleaning.		
23 34 16 00-0326 EA Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan	71.27	
23 34 23 HVAC Power Ventilators (23 34)		
23 34 23 00-0001 Power Roof Ventilators (23 34 23)		
23 34 23 00-0002 Direct Drive, Aluminum, Centrifugal Roof Exhausters (23 34 23 00-0001)		
Note: Greenheck G.		
23 34 23 00-0003 EA 1/25 HP, 310 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	501.73	135.89
Note: Three speed motor.		
For 12" Roof Curb, Add	143.57	
For Backdraft Damper, Add	74.25	
For Solid State Speed Control, Add	70.04	
For Damper Motor, Add	124.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 23 00-0004 EA 1/8 HP, 863 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster 548.50	548.50	153.94
Note: Three speed motor.		
For 12" Roof Curb, Add	143.57	
For Backdraft Damper, Add	74.25	
For Solid State Speed Control, Add	70.04	
For Damper Motor, Add	124.17	
23 34 23 00-0005 EA 1/6 HP, 1,213 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster 777.96	777.96	179.60
For 12" Roof Curb, Add	146.48	
For Backdraft Damper, Add	81.01	
For Solid State Speed Control, Add	70.04	
For Damper Motor, Add	124.17	
23 34 23 00-0006 EA 1/4 HP, 1,374 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster 802.78	802.78	202.41
For 12" Roof Curb, Add	146.48	
For Backdraft Damper, Add	81.01	
For Solid State Speed Control, Add	70.04	
For Damper Motor, Add	124.17	
23 34 23 00-0007 EA 1/3 HP, 1,905 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster 1,027.94	1,027.94	223.31
For Solid State Speed Control, Add	70.04	
For Damper Motor, Add	124.17	
23 34 23 00-0008 EA 1/2 HP, 3,072 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster 1,165.97	1,165.97	237.56
For 12" Roof Curb, Add	151.33	
For Backdraft Damper, Add	91.76	
For Solid State Speed Control, Add	100.13	
For Damper Motor, Add	124.17	
23 34 23 00-0009 Belt Drive, Aluminum, Centrifugal Roof Exhausters (23 34 23 00-0001)		
Note: Greenheck GB.		
23 34 23 00-0010 EA 1/4 HP, 1,556 CFM At 1/4" Static Pressure, 19" x 19" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster..... 1,161.87	1,161.87	202.41
For 12" Roof Curb, Add	146.48	
For Backdraft Damper, Add	81.01	
For Damper Motor, Add	124.17	
23 34 23 00-0011 EA 1/3 HP, 1,966 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster..... 1,266.12	1,266.12	257.52
For 12" Roof Curb, Add	151.33	
For Backdraft Damper, Add	91.76	
For Damper Motor, Add	124.17	
23 34 23 00-0012 EA 1/2 HP, 2,943 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster..... 1,708.62	1,708.62	306.94
For 12" Roof Curb, Add	151.33	
For Backdraft Damper, Add	91.76	
For Damper Motor, Add	124.17	
23 34 23 00-0013 EA 3/4 HP, 4,289 CFM At 1/4" Static Pressure, 30" x 30" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster..... 2,177.91	2,177.91	380.11
For 12" Roof Curb, Add	174.63	
For Backdraft Damper, Add	111.52	
For Damper Motor, Add	124.17	
23 34 23 00-0014 EA 1 HP, 6,157 CFM At 1/4" Static Pressure, 34" x 34" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster..... 2,869.21	2,869.21	475.13
For 12" Roof Curb, Add	185.31	
For Backdraft Damper, Add	121.27	
For Damper Motor, Add	124.17	
23 34 23 00-0015 EA 1-1/2 HP, 8,906 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster..... 3,246.68	3,246.68	593.92
For 12" Roof Curb, Add	201.81	
For Backdraft Damper, Add	134.01	
For Damper Motor, Add	124.17	
23 34 23 00-0016 EA 2 HP, 10,059 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster..... 3,269.98	3,269.98	593.92
For 12" Roof Curb, Add	201.81	
For Backdraft Damper, Add	134.01	
For Damper Motor, Add	124.17	
23 34 23 00-0017 EA 3 HP, 11,703 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster..... 3,521.39	3,521.39	593.92
For 12" Roof Curb, Add	201.81	
For Backdraft Damper, Add	134.01	
For Damper Motor, Add	124.17	
23 34 23 00-0018 EA 5 HP, 13,897 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster..... 4,129.06	4,129.06	593.92
For 12" Roof Curb, Add	201.81	
For Backdraft Damper, Add	134.01	
For Damper Motor, Add	124.17	
23 34 23 00-0019 Propeller Exhaust Fans, Roof Mounted Upblast (23 34 23 00-0001)		
Note: Includes back draft damper and birdscreen and curb.		
23 34 23 00-0020 EA 30,300 CFM Belt Drive 5 HP Propeller Exhaust Fan, Roof Mounted, 3/8" Static Pressure 5,176.52	5,176.52	730.75
23 34 23 00-0021 EA 36,000 CFM Belt Drive 15 HP Propeller Exhaust Fan, Roof Mounted, 1/2" Static Pressure 8,344.25	8,344.25	949.98
23 34 23 00-0022 Belt Drive Supply Fans (23 34 23 00-0001)		
23 34 23 00-0023 EA 4,500 CFM, 24" x 24" Supply Fan, Roof Mounted 2,096.20	2,096.20	379.44
23 34 23 00-0024 EA 10,000 CFM, 36" x 36" Supply Fan, Roof Mounted 2,811.88	2,811.88	475.04
23 34 23 00-0025 Fan Thermostat (23 34 23 00-0001)		
23 34 23 00-0026 EA 50 To 120 Degree Line Voltage Fan Thermostat..... 95.31	95.31	
23 34 23 00-0027 Power Wall Ventilators (23 34 23)		
23 34 23 00-0028 Centrifugal Sidewall Exhausters (23 34 23 00-0027)		

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 34 HVAC Fans



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 23 00-0029 Direct Drive, Aluminum, Centrifugal Sidewall Exhauster <small>(23 34 23 00-0029)</small> Note: Greenheck CW.		
23 34 23 00-0030 EA 1/25 HP, 297 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	663.58	153.00
For Solid State Speed Control, Add	100.13	
For Backdraft Damper, Add	90.76	
For Damper Motor, Add	194.52	
For Interior Wall Grill, Add	67.75	
23 34 23 00-0031 EA 1/8 HP, 861 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	762.15	179.60
For Solid State Speed Control, Add	100.13	
For Backdraft Damper, Add	101.51	
For Damper Motor, Add	194.52	
For Interior Wall Grill, Add	80.34	
23 34 23 00-0032 EA 1/6 HP, 1,179 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	1,126.59	202.41
For Solid State Speed Control, Add	100.13	
For Backdraft Damper, Add	115.25	
For Damper Motor, Add	194.52	
For Interior Wall Grill, Add	92.95	
23 34 23 00-0033 Belt Drive, Aluminum, Centrifugal Sidewall Exhausters <small>(23 34 23 00-0028)</small> Note: Greenheck CWB.		
23 34 23 00-0034 EA 1/4 HP, 1,633 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	1,292.04	114.56
For Solid State Speed Control, Add	100.13	
For Backdraft Damper, Add	110.60	
For Damper Motor, Add	194.52	
For Interior Wall Grill, Add	139.51	
23 34 23 00-0035 EA 1/2 HP, 2,291 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	1,371.40	129.01
For Solid State Speed Control, Add	100.13	
For Backdraft Damper, Add	110.60	
For Damper Motor, Add	194.52	
For Interior Wall Grill, Add	139.51	
23 34 23 00-0036 EA 3/4 HP, 3,646 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	1,675.51	147.58
For Solid State Speed Control, Add	100.13	
For Backdraft Damper, Add	136.08	
For Damper Motor, Add	194.52	
For Interior Wall Grill, Add	161.83	
23 34 33 Air Curtains <small>(23 34)</small>		
23 34 33 00-0001 Unheated Air Curtains For Entrances <small>(23 34 33)</small>		
23 34 33 00-0002 Unheated Air Curtains, Standard Velocity <small>(23 34 33 00-0001)</small>		
23 34 33 00-0003 EA Air Curtain For 3' x 8' - 10' Personnel Entrance, Unheated.....	1,773.11	696.54
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	111.41	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	303.28	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	225.29	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	346.60	
For Flat Side Extension Plates, Add	102.45	
For Clearance Adjustable-Angle Mounting Bracket, Add	204.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	245.87	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	259.53	
23 34 33 00-0004 EA Air Curtain For 3.5' x 8' - 10' Personnel Entrance, Unheated.....	1,794.21	696.54
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	111.41	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	303.28	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	225.29	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	346.60	
For Flat Side Extension Plates, Add	102.45	
For Clearance Adjustable-Angle Mounting Bracket, Add	204.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	245.87	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	259.53	
23 34 33 00-0005 EA Air Curtain For 4' x 8' - 10' Personnel Entrance, Unheated.....	1,817.06	696.54
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	111.41	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	303.28	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	225.29	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	346.60	
For Flat Side Extension Plates, Add	102.45	
For Clearance Adjustable-Angle Mounting Bracket, Add	204.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	245.87	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	259.53	
23 34 33 00-0006 EA Air Curtain For 5' x 8' - 10' Personnel Entrance, Unheated.....	2,195.03	696.54
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	111.41	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	303.28	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	225.29	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	346.60	
For Flat Side Extension Plates, Add	102.45	
For Clearance Adjustable-Angle Mounting Bracket, Add	204.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	245.87	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	259.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0007 EA Air Curtain For 6' x 8' - 10' Personnel Entrance, Unheated.....	2,508.17	836.24
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	111.41	
<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	303.28	
<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	225.29	
<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	346.60	
<i>For Flat Side Extension Plates, Add</i>	102.45	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	204.89	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	245.87	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	259.53	
23 34 33 00-0008 EA Air Curtain For 7' x 8' - 10' Personnel Entrance, Unheated.....	2,640.02	836.24
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	111.41	
<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	303.28	
<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	225.29	
<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	346.60	
<i>For Flat Side Extension Plates, Add</i>	102.45	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	204.89	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	245.87	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	259.53	
23 34 33 00-0009 EA Air Curtain For 8' x 8' - 10' Personnel Entrance, Unheated.....	2,940.42	964.52
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	111.41	
<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	303.28	
<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	225.29	
<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	346.60	
<i>For Flat Side Extension Plates, Add</i>	102.45	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	204.89	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	245.87	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	259.53	
23 34 33 00-0010 EA Air Curtain For 9' x 8' - 10' Personnel Entrance, Unheated.....	3,466.94	964.52
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	111.41	
<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	303.28	
<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	225.29	
<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	346.60	
<i>For Flat Side Extension Plates, Add</i>	102.45	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	204.89	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	245.87	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	259.53	
23 34 33 00-0011 EA Air Curtain For 10' x 8' - 10' Personnel Entrance, Unheated.....	3,533.74	964.52
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	111.41	
<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	303.28	
<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	225.29	
<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	346.60	
<i>For Flat Side Extension Plates, Add</i>	102.45	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	204.89	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	245.87	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	259.53	
23 34 33 00-0012 EA Air Curtain For 12' x 8' - 10' Personnel Entrance, Unheated.....	3,711.30	964.52
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	111.41	
<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	303.28	
<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	225.29	
<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	346.60	
<i>For Flat Side Extension Plates, Add</i>	102.45	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	204.89	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	245.87	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	259.53	
23 34 33 00-0013 Unheated Air Curtains, High Velocity (23 34 33 00-0001)		
23 34 33 00-0014 EA High Velocity Air Curtain For 3' x 10' - 12' Entrance, Unheated.....	2,122.96	696.54
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	111.41	
<i>For Industrial Floor-Mounted Magnetic Reed Switch Only, Add</i>	204.89	
<i>For Flat Side Extension Plates, Add</i>	102.45	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	204.89	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	245.87	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	259.53	
23 34 33 00-0015 EA High Velocity Air Curtain For 3.5' x 10' - 12' Entrance, Unheated.....	2,150.21	696.54
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	111.41	
<i>For Industrial Floor-Mounted Magnetic Reed Switch Only, Add</i>	204.89	
<i>For Flat Side Extension Plates, Add</i>	102.45	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	204.89	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	245.87	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	259.53	
23 34 33 00-0016 EA High Velocity Air Curtain For 4' x 10' - 12' Entrance, Unheated.....	2,161.63	696.54
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	111.41	
<i>For Industrial Floor-Mounted Magnetic Reed Switch Only, Add</i>	204.89	
<i>For Flat Side Extension Plates, Add</i>	102.45	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	204.89	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	245.87	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	259.53	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0017 EA High Velocity Air Curtain For 5' x 10' - 12' Entrance, Unheated.....	2,183.61	696.54
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	111.41	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	204.89	
For Flat Side Extension Plates, Add	102.45	
For Clearance Adjustable-Angle Mounting Bracket, Add	204.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	245.87	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	259.53	
23 34 33 00-0018 EA High Velocity Air Curtain For 6' x 10' - 12' Entrance, Unheated.....	3,309.82	836.24
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	111.41	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	204.89	
For Flat Side Extension Plates, Add	102.45	
For Clearance Adjustable-Angle Mounting Bracket, Add	204.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	245.87	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	259.53	
23 34 33 00-0019 EA High Velocity Air Curtain For 7' x 10' - 12' Entrance, Unheated.....	3,445.18	836.24
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	111.41	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	204.89	
For Flat Side Extension Plates, Add	102.45	
For Clearance Adjustable-Angle Mounting Bracket, Add	204.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	245.87	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	259.53	
23 34 33 00-0020 EA High Velocity Air Curtain For 8' x 10' - 12' Entrance, Unheated.....	3,695.48	964.52
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	111.41	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	204.89	
For Flat Side Extension Plates, Add	102.45	
For Clearance Adjustable-Angle Mounting Bracket, Add	204.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	245.87	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	259.53	
23 34 33 00-0021 EA High Velocity Air Curtain For 9' x 10' - 12' Entrance, Unheated.....	4,163.99	964.52
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	111.41	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	204.89	
For Flat Side Extension Plates, Add	102.45	
For Clearance Adjustable-Angle Mounting Bracket, Add	204.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	245.87	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	259.53	
23 34 33 00-0022 EA High Velocity Air Curtain For 10' x 10' - 12' Entrance, Unheated.....	4,213.21	964.52
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	111.41	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	204.89	
For Flat Side Extension Plates, Add	102.45	
For Clearance Adjustable-Angle Mounting Bracket, Add	204.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	245.87	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	259.53	
23 34 33 00-0023 EA High Velocity Air Curtain For 12' x 10' - 12' Entrance, Unheated.....	4,404.83	964.52
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	111.41	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	204.89	
For Flat Side Extension Plates, Add	102.45	
For Clearance Adjustable-Angle Mounting Bracket, Add	204.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	245.87	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	259.53	
23 34 33 00-0024 Service Window Unheated Air Curtains <small>(23 34 33 00-0001)</small>		
Note: Normal window sizes.		
23 34 33 00-0025 EA Air Curtain For 2.5' x 5' Service Window, Unheated.....	1,488.15	549.26
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	111.41	
For Flat Side Extension Plates, Add	102.45	
For Clearance Adjustable-Angle Mounting Bracket, Add	204.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	245.87	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	259.53	
23 34 33 00-0026 Heated Air Curtains For Entrances <small>(23 34 33)</small>		
Note: Includes housing, mounting brackets and manual controls.		
23 34 33 00-0027 EA 60" Heated Air Curtain With 1- 300 MBH Heater.....	3,338.45	613.39
For Door Limit Switch, Combination Roller And Plunger, Add	111.41	
For Flat Side Extension Plates, Add	102.45	
For Clearance Adjustable-Angle Mounting Bracket, Add	204.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	245.87	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	259.53	
23 34 33 00-0028 EA 60" Heated Air Curtain With 1- 400 MBH Heater.....	3,619.97	613.39
For Door Limit Switch, Combination Roller And Plunger, Add	111.41	
For Flat Side Extension Plates, Add	102.45	
For Clearance Adjustable-Angle Mounting Bracket, Add	204.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	245.87	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	259.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0029 EA 72" Heated Air Curtain With 1- 350 MBH Heater <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	4,005.53 111.41 102.45 204.89 245.87 259.53	735.98
23 34 33 00-0030 EA 72" Heated Air Curtain With 2- 250 MBH Heaters <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	4,343.35 111.41 102.45 204.89 245.87 259.53	735.98
23 34 33 00-0031 EA 96" Heated Air Curtain With 1- 400 MBH Heater <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	5,339.91 111.41 102.45 204.89 245.87 259.53	981.15
23 34 33 00-0032 EA 96" Heated Air Curtain With 2- 350 MBH Heaters <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	5,790.33 111.41 102.45 204.89 245.87 259.53	981.15
23 34 33 00-0033 EA 117" Heated Air Curtain With 2- 300 MBH Heaters <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	6,507.14 111.41 102.45 204.89 245.87 259.53	1,195.43
23 34 33 00-0034 EA 117" Heated Air Curtain With 2- 400 MBH Heaters <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	7,056.09 111.41 102.45 204.89 245.87 259.53	1,195.43
23 34 33 00-0035 EA 147" Heated Air Curtain With 2- 350 MBH Heaters <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	8,176.19 111.41 102.45 204.89 245.87 259.53	1,501.90
23 34 33 00-0036 EA 147" Heated Air Curtain With 3- 350 MBH Heaters <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	9,541.53 111.41 102.45 204.89 245.87 259.53	1,501.90
23 34 33 00-0037 EA 168" Heated Air Curtain With 2- 400 MBH Heaters <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	9,344.82 111.41 102.45 204.89 245.87 259.53	1,716.65
23 34 33 00-0038 EA 168" Heated Air Curtain With 3- 400 MBH Heaters <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	10,904.88 111.41 102.45 204.89 245.87 259.53	1,716.65
23 34 33 00-0039 EA 192" Heated Air Curtain With 2- 400 MBH Heaters <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	10,676.56 111.41 102.45 204.89 245.87 259.53	1,961.82
23 34 33 00-0040 EA 192" Heated Air Curtain With 4- 350 MBH Heaters <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	12,459.48 111.41 102.45 204.89 245.87 259.53	1,961.82

23 35 Special Exhaust Systems (23 30)

See CSI section 23 31 13 16-0075 for spiral duct/piping.

23 35 13 Dust Collection Systems (23 35)

23 35 13 13 Sawdust Collection Systems (23 35 13)

23 35 13 13-0001 Dust Collector System (23 35 13 13)

23 35 13 13-0002 EA 1.5 HP Dust Collector Central Vacuum Unit	3,061.20	825.64
<i>Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.</i>		
23 35 13 13-0003 EA 2 HP Dust Collector Central Vacuum Unit	3,468.22	980.45
<i>Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.</i>		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 35 Special Exhaust Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 13 13-0004 EA 2-1/2 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	4,138.65	1,135.26
23 35 13 13-0005 EA 3 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	4,751.53	1,341.67
23 35 13 13-0006 EA 5 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.	9,081.67	1,493.05
23 35 13 13-0007 EA 7-1/2 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.	10,973.96	1,741.89
23 35 13 13-0008 EA 10 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.	12,567.38	1,990.73
23 35 13 13-0009 EA 15 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.	14,163.76	2,289.35
23 35 13 13-0010 EA 20 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.	15,825.97	2,587.95
23 35 13 13-0011 Vacuum Tubing And Accessories (23 35 13 13)		
23 35 13 13-0012 Vacuum Tubing (23 35 13 13-0011)		
23 35 13 13-0013 Galvanized Vacuum Tubing (23 35 13 13-0012)		
23 35 13 13-0014 LF 2-1/8" Outside Diameter Vacuum Tubing, Galvanized.....	7.59	1.71
23 35 13 13-0015 LF 2-1/2" Outside Diameter Vacuum Tubing, Galvanized.....	8.45	1.80
23 35 13 13-0016 LF 3" Outside Diameter Vacuum Tubing, Galvanized.....	9.91	1.90
23 35 13 13-0017 LF 3-1/2" Outside Diameter Vacuum Tubing, Galvanized.....	12.66	1.99
23 35 13 13-0018 LF 4" Outside Diameter Vacuum Tubing, Galvanized.....	13.03	2.09
23 35 13 13-0019 LF 5" Outside Diameter Vacuum Tubing, Galvanized.....	21.02	2.37
23 35 13 13-0020 LF 6" Outside Diameter Vacuum Tubing, Galvanized.....	23.70	2.76
23 35 13 13-0021 LF 8" Outside Diameter Vacuum Tubing, Galvanized.....	32.13	3.80
23 35 13 13-0022 LF 10" Outside Diameter Vacuum Tubing, Galvanized.....	37.79	4.75
23 35 13 13-0023 LF 12" Outside Diameter Vacuum Tubing, Galvanized.....	91.27	6.28
23 35 13 13-0024 Flexible Hose (23 35 13 13-0011)		
23 35 13 13-0025 LF 2" Flexible Hose.....	8.25	1.71
23 35 13 13-0026 LF 3" Flexible Hose.....	9.78	1.90
23 35 13 13-0027 LF 4" Flexible Hose.....	10.63	2.09
23 35 13 13-0028 90 Degree Elbow (23 35 13 13-0011)		
23 35 13 13-0029 EA 2-1/8" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	39.34	10.92
23 35 13 13-0030 EA 2-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	47.73	11.69
23 35 13 13-0031 EA 3" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	58.47	12.73
23 35 13 13-0032 EA 3-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	68.36	13.78
23 35 13 13-0033 EA 4" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	80.77	15.21
23 35 13 13-0034 EA 5" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	129.06	16.92
23 35 13 13-0035 EA 6" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	169.46	19.00
23 35 13 13-0036 EA 8" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	299.38	25.37
23 35 13 13-0037 45 Degree Elbow (23 35 13 13-0011)		
23 35 13 13-0038 EA 2-1/8" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	37.23	10.92
23 35 13 13-0039 EA 2-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	45.98	11.69
23 35 13 13-0040 EA 3" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	52.62	12.73
23 35 13 13-0041 EA 3-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	61.76	13.78
23 35 13 13-0042 EA 4" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	74.67	15.21
23 35 13 13-0043 EA 5" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	107.90	16.92
23 35 13 13-0044 EA 6" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	138.33	19.00
23 35 13 13-0045 EA 8" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	247.09	25.37
23 35 13 13-0046 Wye (23 35 13 13-0011)		
23 35 13 13-0047 EA 2-1/8" Wye, Vacuum Tubing, Galvanized.....	70.49	18.06
23 35 13 13-0048 EA 2-1/2" Wye, Vacuum Tubing, Galvanized.....	83.40	19.48
23 35 13 13-0049 EA 3" Wye, Vacuum Tubing, Galvanized.....	100.27	20.90
23 35 13 13-0050 EA 3-1/2" Wye, Vacuum Tubing, Galvanized.....	120.38	23.29
23 35 13 13-0051 EA 4" Wye, Vacuum Tubing, Galvanized.....	157.41	25.18
23 35 13 13-0052 EA 5" Wye, Vacuum Tubing, Galvanized.....	257.83	28.03
23 35 13 13-0053 EA 6" Wye, Vacuum Tubing, Galvanized.....	338.48	31.84
23 35 13 13-0054 EA 8" Wye, Vacuum Tubing, Galvanized.....	653.11	34.68
23 35 13 13-0055 EA 10" Wye, Vacuum Tubing, Galvanized.....	898.94	38.01
23 35 13 13-0056 EA 12" Wye, Vacuum Tubing, Galvanized.....	1,132.71	42.57
23 35 13 13-0057 Reducer (23 35 13 13-0011)		
23 35 13 13-0058 EA 3" Reducer, Vacuum Tubing, Galvanized.....	41.41	12.73
23 35 13 13-0059 EA 4" Reducer, Vacuum Tubing, Galvanized.....	45.88	13.78
23 35 13 13-0060 EA 5" Reducer, Vacuum Tubing, Galvanized.....	56.72	15.21
23 35 13 13-0061 EA 6" Reducer, Vacuum Tubing, Galvanized.....	61.47	16.92
23 35 13 13-0062 EA 8" Reducer, Vacuum Tubing, Galvanized.....	71.49	19.00



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 13 13-0063				Air Gate Valve, Galvanized <small>(23 35 13 13-0011)</small>		
				23 35 13 13-0064 EA 2-1/8" Air Gate Valve, Vacuum Tubing, Galvanized	252.19	25.37
				23 35 13 13-0065 EA 2-1/2" Air Gate Valve, Vacuum Tubing, Galvanized	264.47	27.08
				23 35 13 13-0066 EA 3" Air Gate Valve, Vacuum Tubing, Galvanized	302.91	29.17
				23 35 13 13-0067 EA 3-1/2" Air Gate Valve, Vacuum Tubing, Galvanized	343.60	31.17
				23 35 13 13-0068 EA 4" Air Gate Valve, Vacuum Tubing, Galvanized	386.51	33.07
				23 35 13 13-0069 EA 5" Air Gate Valve, Vacuum Tubing, Galvanized	455.62	37.72
				23 35 13 13-0070 EA 6" Air Gate Valve, Vacuum Tubing, Galvanized	523.93	42.29
23 35 16				Engine Exhaust Systems <small>(23 35)</small>		
23 35 16 16				Mechanical Engine Exhaust Systems <small>(23 35 16)</small>		
23 35 16 16-0001				Tailpipe Exhaust Equipment <small>(23 35 16 16)</small>		
23 35 16 16-0002				Overhead Tailpipe Exhaust System <small>(23 35 16 16-0001)</small>		
23 35 16 16-0003				Overhead Tailpipe Exhaust Blowers <small>(23 35 16 16-0002)</small>		
23 35 16 16-0004				Overhead Direct Drive Tailpipe Exhaust Blowers <small>(23 35 16 16-0003)</small>		
				23 35 16 16-0005 EA 495 CFM 1/3 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System.....	2,197.60	202.41
				23 35 16 16-0006 EA 1,445 CFM 3/4 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System.....	2,651.70	413.36
				23 35 16 16-0007 EA 1,840 CFM 1-1/2 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	3,645.38	500.79
23 35 16 16-0008				Overhead Belt Drive Tailpipe Exhaust Blowers <small>(23 35 16 16-0003)</small>		
				23 35 16 16-0009 EA 1,400 CFM 1 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	2,585.12	413.36
				23 35 16 16-0010 EA 2,023 CFM 1-1/2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	2,790.18	500.79
				23 35 16 16-0011 EA 2,750 CFM 2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	3,456.74	792.52
				23 35 16 16-0012 EA 4,400 CFM 3 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	4,261.94	1,022.49
				23 35 16 16-0013 EA 7,060 CFM 5 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	5,342.33	1,218.23
23 35 16 16-0014				Spiral Exhaust Duct Accessories <small>(23 35 16 16-0002)</small>		
23 35 16 16-0015				Flex Hose x Length <small>(23 35 16 16-0014)</small>		
				Note: Includes duct coupler, damper and tailpipe adapter.		
				23 35 16 16-0016 EA 3" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	132.65	50.36
				23 35 16 16-0017 EA 3" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	117.75	50.36
				23 35 16 16-0018 EA 4" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	204.95	79.82
				23 35 16 16-0019 EA 4" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	180.06	79.82
				23 35 16 16-0020 EA 5" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	299.27	126.38
				23 35 16 16-0021 EA 5" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	290.36	126.38
				23 35 16 16-0022 EA 6" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	461.76	200.50
				23 35 16 16-0023 EA 6" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	443.02	200.50
23 35 16 16-0024				Flex Hose With Duct Coupler, Damper And Diesel Exhaust Adapter <small>(23 35 16 16-0014)</small>		
				23 35 16 16-0025 EA 4" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	144.53	50.36
				23 35 16 16-0026 EA 5" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	213.63	79.82
				23 35 16 16-0027 EA 4" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	127.37	50.36
				23 35 16 16-0028 EA 5" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	188.17	79.82
				23 35 16 16-0029 EA 6" x 25' High Pressure, Stainless Steel Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	940.82	67.85
				23 35 16 16-0030 EA 8" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter.....	861.57	124.49
				23 35 16 16-0031 EA 10" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter.....	942.24	124.49
				23 35 16 16-0032 LF 8" Heat-Resistant Fabric Flex Hose (650 Degree F.).....	46.72	9.70
				23 35 16 16-0033 LF 10" Heat-Resistant Fabric Flex Hose (650 Degree F.).....	51.67	9.70
23 35 16 16-0034				Flexible Hose <small>(23 35 16 16-0014)</small>		
				23 35 16 16-0035 LF 3" Stainless Steel Flexible Tubing.....	25.28	2.37
				23 35 16 16-0036 LF 4" Stainless Steel Flexible Tubing.....	31.97	2.67
				23 35 16 16-0037 LF 5" Stainless Steel Flexible Tubing.....	37.79	2.76
				23 35 16 16-0038 LF 6" Stainless Steel Flexible Tubing.....	44.42	2.95
				23 35 16 16-0039 LF 3" Galvanized Flexible Tubing	14.72	2.37
				23 35 16 16-0040 LF 4" Galvanized Flexible Tubing	17.20	2.67
				23 35 16 16-0041 LF 5" Galvanized Flexible Tubing	19.57	2.76
				23 35 16 16-0042 LF 6" Galvanized Flexible Tubing	21.74	2.95
23 35 16 16-0043				Accessories <small>(23 35 16 16-0002)</small>		
				23 35 16 16-0044 EA 3" Tail Pipe Adapter	38.87	7.13
				23 35 16 16-0045 EA 4" Tail Pipe Adapter	39.86	7.13
				23 35 16 16-0046 EA 5" Tail Pipe Adapter	42.74	8.08
				23 35 16 16-0047 EA 3" Bullnose (Guide).....	22.09	4.75
				23 35 16 16-0048 EA 4" Bullnose (Guide).....	23.58	5.23
				23 35 16 16-0049 EA 5" Bullnose (Guide).....	25.25	5.70
				23 35 16 16-0050 EA Flex-Hose Winch And Associated Hardware	174.02	53.88

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 35 Special Exhaust Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 16 16-0051 LF Flex-Hose Winch Cable, 1/8" Galvanized Wire Rope	0.08	
23 35 16 16-0052 Automatic Exhaust Extraction System <small>(23 35 16 16-0001)</small>		
Note: (Neiderman System) Includes track, hydraulic shock absorber, automatic disconnect box, flexible hose, electromagnetic ergonomic positioner, nozzle, power supply and accessories.		
23 35 16 16-0053 EA Magnatrack System For One Vehicle (30" To 40" Track)	22,383.00	
23 35 16 16-0054 EA Magnatrack System For Two Vehicles (2 Each 30" Tracks)	32,331.00	
23 35 16 16-0055 EA Magnatrack System For Tandem Vehicles (2 Each 30" Tracks).....	32,331.00	
23 35 16 16-0056 EA Magnarail System For One Vehicle (33" Rail).....	26,528.00	
23 35 16 16-0057 EA Magnarail System For Two Vehicles in Tandem (66" Rail)	39,792.00	
23 35 16 16-0058 EA Magnastack For One Vehicle, Vertical Exhaust Stacks (30" Stack).....	20,725.00	
23 35 19 Fume Exhaust Systems <small>(23 35)</small>		
23 35 19 00-0001 EA Fume Exhauster, 1 1/2 HP 630 CFM With Out Hose And Intake Nozzle	1,694.45	379.82
23 35 19 00-0002 EA Hose Extension Kit 5'	317.13	84.38
23 36 Air Terminal Units <small>(23 36)</small>		
23 36 13 Constant-Air-Volume Units <small>(23 36)</small>		
23 36 13 00-0001 Vertical Units, With Electric Heating Coils <small>(23 36 13)</small>		
23 36 13 00-0002 EA 60 CFM Vertical Induction Unit, With Electric Heating Coils	1,480.59	120.39
23 36 13 00-0003 EA 90 CFM Vertical Induction Unit, With Electric Heating Coils	1,785.28	129.65
23 36 13 00-0004 EA 120 CFM Vertical Induction Unit, With Electric Heating Coils	1,905.75	134.28
23 36 13 00-0005 EA 150 CFM Vertical Induction Unit, With Electric Heating Coils	2,035.48	143.54
23 36 13 00-0006 EA 175 CFM Vertical Induction Unit, With Electric Heating Coils	2,299.87	148.17
23 36 13 00-0007 Horizontal Units, With Electric Heating Coils <small>(23 36 13)</small>		
23 36 13 00-0008 EA 60 CFM Horizontal Induction Unit, With Electric Heating Coils	1,251.76	120.39
23 36 13 00-0009 EA 90 CFM Horizontal Induction Unit, With Electric Heating Coils	1,499.12	129.65
23 36 13 00-0010 EA 120 CFM Horizontal Induction Unit, With Electric Heating Coils	1,793.68	136.60
23 36 13 00-0011 Duct Boxes, Constant Volume Control <small>(23 36 13)</small>		
23 36 13 00-0012 Single Duct Boxes, Constant Volume Control <small>(23 36 13 00-0011)</small>		
23 36 13 00-0013 EA 4 - 6" Diameter Inlet, 50 - 240 CFM, Single Duct Boxes, Constant Volume Control	520.98	39.22
For Boxes With Motor, Add	20.00	
23 36 13 00-0014 EA 6 - 8" Diameter Inlet, 100 - 480 CFM, Single Duct Boxes, Constant Volume Control	575.07	42.32
For Boxes With Motor, Add	20.00	
23 36 13 00-0015 EA 7 - 10" Diameter Inlet, 150 - 720 CFM, Single Duct Boxes, Constant Volume Control	603.97	46.44
For Boxes With Motor, Add	20.00	
23 36 13 00-0016 EA 9 - 12" Diameter Inlet, 200 - 960 CFM, Single Duct Boxes, Constant Volume Control	617.71	48.51
For Boxes With Motor, Add	20.00	
23 36 13 00-0017 EA 12" Diameter Inlet, 250 - 1,200 CFM, Single Duct Boxes, Constant Volume Control	637.73	53.67
For Boxes With Motor, Add	20.00	
23 36 13 00-0018 EA 14" Diameter Inlet, 350 - 1,680 CFM, Single Duct Boxes, Constant Volume Control	727.49	59.86
For Boxes With Motor, Add	20.00	
23 36 13 00-0019 EA 16" Diameter Inlet, 450 - 2,160 CFM, Single Duct Boxes, Constant Volume Control	773.47	67.08
For Boxes With Motor, Add	20.00	
23 36 13 00-0020 EA 20" x 16" Inlet, 550 - 2,640 CFM, Single Duct Boxes, Constant Volume Control	842.71	80.50
For Boxes With Motor, Add	20.00	
23 36 13 00-0021 EA 24" x 16" Inlet, 650 - 3,120 CFM, Single Duct Boxes, Constant Volume Control	911.79	92.89
For Boxes With Motor, Add	20.00	
23 36 13 00-0022 Dual Duct Boxes, Constant Volume Control <small>(23 36 13 00-0011)</small>		
23 36 13 00-0023 EA 4 - 6" Diameter Inlet, 50 - 240 CFM, Dual Duct Boxes, Constant Volume Control	693.24	39.22
For Boxes With Motor, Add	20.00	
23 36 13 00-0024 EA 6 - 8" Diameter Inlet, 100 - 480 CFM, Dual Duct Boxes, Constant Volume Control	743.66	42.32
For Boxes With Motor, Add	20.00	
23 36 13 00-0025 EA 7 - 10" Diameter Inlet, 150 - 720 CFM, Dual Duct Boxes, Constant Volume Control	782.14	46.44
For Boxes With Motor, Add	20.00	
23 36 13 00-0026 EA 9 - 12" Diameter Inlet, 200 - 960 CFM, Dual Duct Boxes, Constant Volume Control	814.87	48.51
For Boxes With Motor, Add	20.00	
23 36 13 00-0027 EA 12" Diameter Inlet, 250 - 1,200 CFM, Dual Duct Boxes, Constant Volume Control	834.89	53.67
For Boxes With Motor, Add	20.00	
23 36 13 00-0028 EA 14" Diameter Inlet, 350 - 1,680 CFM, Dual Duct Boxes, Constant Volume Control	956.90	60.89
For Boxes With Motor, Add	20.00	
23 36 13 00-0029 EA 16" Diameter Inlet, 450 - 2,160 CFM, Dual Duct Boxes, Constant Volume Control	1,049.47	67.08
For Boxes With Motor, Add	20.00	
23 36 13 00-0030 EA 20" x 16" Inlet, 550 - 2,640 CFM, Dual Duct Boxes, Constant Volume Control	1,149.52	80.50
For Boxes With Motor, Add	20.00	
23 36 13 00-0031 EA 24" x 16" Inlet, 650 - 3,120 CFM, Dual Duct Boxes, Constant Volume Control	1,223.48	92.89
For Boxes With Motor, Add	20.00	
23 36 16 Variable-Air-Volume Units <small>(23 36)</small>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 36 16 00-0001			Variable Volume Terminal Unit <small>(23 36 16)</small> Note: Includes flow controllers, insulated plenum, system powered box mounted thermostat.		
	23 36 16 00-0002			Single Duct Variable Volume Terminal Unit <small>(23 36 16 00-0001)</small> Note: Enclosure only. For mounting DDC controls.		
	23 36 16 00-0003	EA		6" Diameter Inlet, 80 - 500 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls 462.79 <i>For Filters And Frames, Add</i> 6.30		47.47
	23 36 16 00-0004	EA		8" Diameter Inlet, 145 - 900 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls 518.27 <i>For Filters And Frames, Add</i> 6.30		53.67
	23 36 16 00-0005	EA		10" Diameter Inlet, 230 - 1,400 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls 577.32 <i>For Filters And Frames, Add</i> 6.30		59.86
	23 36 16 00-0006	EA		12" Diameter Inlet, 325 - 2,000 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls 617.47 <i>For Filters And Frames, Add</i> 6.30		67.08
	23 36 16 00-0007	EA		14" Diameter Inlet, 450 - 3,000 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls 850.22 <i>For Filters And Frames, Add</i> 6.30		144.38
	23 36 16 00-0008	EA		16" Diameter Inlet, 580 - 4,000 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls 1,035.13 <i>For Filters And Frames, Add</i> 6.30		171.32
	23 36 16 00-0009			Single Duct Variable Volume Terminal Unit <small>(23 36 16 00-0001)</small> Note: With pneumatic controls.		
	23 36 16 00-0010	EA		6" Diameter Inlet, 80 - 500 CFM, Variable Air Volume Box With pneumatic controller 945.31 <i>For Fan Powered Variable Air Volume Box, Add</i> 980.28 <i>For Hot Water Coils, Add</i> 40.55 <i>For Pressure Independent Actuator, Add</i> 67.57 <i>For Filters And Frames, Add</i> 6.30		47.47
	23 36 16 00-0011	EA		8" Diameter Inlet, 145 - 900 CFM, Variable Air Volume Box With pneumatic controller 1,023.43 <i>For Fan Powered Variable Air Volume Box, Add</i> 1,050.17 <i>For Hot Water Coils, Add</i> 40.55 <i>For Pressure Independent Actuator, Add</i> 67.57 <i>For Filters And Frames, Add</i> 6.30		53.67
	23 36 16 00-0012	EA		10" Diameter Inlet, 230 - 1,400 CFM, Variable Air Volume Box With pneumatic controller 1,073.77 <i>For Fan Powered Variable Air Volume Box, Add</i> 1,083.36 <i>For Hot Water Coils, Add</i> 40.55 <i>For Pressure Independent Actuator, Add</i> 67.57 <i>For Filters And Frames, Add</i> 6.30		59.86
	23 36 16 00-0013	EA		12" Diameter Inlet, 325 - 2,000 CFM, Variable Air Volume Box With pneumatic controller 1,122.63 <i>For Fan Powered Variable Air Volume Box, Add</i> 1,114.43 <i>For Hot Water Coils, Add</i> 40.55 <i>For Pressure Independent Actuator, Add</i> 67.57 <i>For Filters And Frames, Add</i> 6.30		67.08
	23 36 16 00-0014	EA		14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With pneumatic controller 1,308.34 <i>For Fan Powered Variable Air Volume Box, Add</i> 1,251.92 <i>For Hot Water Coils, Add</i> 40.55 <i>For Pressure Independent Actuator, Add</i> 67.57 <i>For Filters And Frames, Add</i> 6.30		144.38
	23 36 16 00-0015	EA		16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With pneumatic controller 1,531.58 <i>For Fan Powered Variable Air Volume Box, Add</i> 1,360.52 <i>For Hot Water Coils, Add</i> 40.55 <i>For Pressure Independent Actuator, Add</i> 67.57 <i>For Filters And Frames, Add</i> 6.30		171.32
	23 36 16 00-0016			Single Duct Variable Volume Terminal Unit <small>(23 36 16 00-0001)</small> Note: With analog electronic controls.		
	23 36 16 00-0017	EA		6" Diameter Inlet, 60 - 500 CFM, Variable Air Volume Box With analog electronic controls 1,546.28 <i>For Hot Water Coils, Add</i> 40.55 <i>For Filters And Frames, Add</i> 6.30		47.47
	23 36 16 00-0018	EA		8" Diameter Inlet, 105 - 900 CFM, Variable Air Volume Box With analog electronic controls 1,610.46 <i>For Hot Water Coils, Add</i> 40.55 <i>For Filters And Frames, Add</i> 6.30		53.67
	23 36 16 00-0019	EA		10" Diameter Inlet, 165 - 1,400 CFM, Variable Air Volume Box With analog electronic controls 1,669.51 <i>For Hot Water Coils, Add</i> 40.55 <i>For Filters And Frames, Add</i> 6.30		59.86
	23 36 16 00-0020	EA		12" Diameter Inlet, 235 - 2,000 CFM, Variable Air Volume Box With analog electronic controls 1,751.46 <i>For Hot Water Coils, Add</i> 40.55 <i>For Filters And Frames, Add</i> 6.30		67.08
	23 36 16 00-0021	EA		14" Diameter Inlet, 320 - 3,000 CFM, Variable Air Volume Box With analog electronic controls 1,938.92 <i>For Hot Water Coils, Add</i> 40.55 <i>For Filters And Frames, Add</i> 6.30		144.38
	23 36 16 00-0022	EA		16" Diameter Inlet, 420 - 4,000 CFM, Variable Air Volume Box With analog electronic controls 1,973.76 <i>For Hot Water Coils, Add</i> 40.55 <i>For Filters And Frames, Add</i> 6.30		144.38
	23 36 16 00-0023			Dual Duct Variable Volume Terminal Unit <small>(23 36 16 00-0001)</small> Note: With flow control installation, plenum system power box, thermostat.		
	23 36 16 00-0024	EA		6" Diameter Inlet, 75 - 500 CFM, Variable Air Volume Box, Dual Duct 1,067.32 <i>For Filters And Frames, Add</i> 6.30		93.81
	23 36 16 00-0025	EA		8" Diameter Inlet, 200 - 700 CFM, Variable Air Volume Box, Dual Duct 1,168.16 <i>For Filters And Frames, Add</i> 6.30		106.81
	23 36 16 00-0026	EA		10" Diameter Inlet, 400 - 1,000 CFM, Variable Air Volume Box, Dual Duct 1,252.04 <i>For Filters And Frames, Add</i> 6.30		120.65
	23 36 16 00-0027	EA		12" Diameter Inlet, 600 - 1,400 CFM, Variable Air Volume Box, Dual Duct 1,373.60 <i>For Filters And Frames, Add</i> 6.30		134.58

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 36 Air Terminal Units



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 16 00-0028	EA		14" Diameter Inlet, 800 - 2,700 CFM, Variable Air Volume Box, Dual Duct <i>For Filters And Frames, Add</i>	1,545.01 6.30	154.81
23 36 16 00-0029	EA		16" Diameter Inlet, 1,000 - 3,500 CFM, Variable Air Volume Box, Dual Duct <i>For Filters And Frames, Add</i>	1,700.52 6.30	185.77
23 36 16 00-0030 Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M) (23 36 16 00-0001)					
23 36 16 00-0031	EA		0 To 200 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-A) <i>For Filters And Frames, Add</i>	426.65 6.30	64.50
23 36 16 00-0032	EA		0 To 300 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-B) <i>For Filters And Frames, Add</i>	464.26 6.30	70.95
23 36 16 00-0033	EA		0 To 400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-C) <i>For Filters And Frames, Add</i>	502.68 6.30	77.40
23 36 16 00-0034	EA		0 To 700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-D) <i>For Filters And Frames, Add</i>	541.99 6.30	83.86
23 36 16 00-0035	EA		0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-E) <i>For Filters And Frames, Add</i>	582.27 6.30	90.30
23 36 16 00-0036	EA		0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-F) <i>For Filters And Frames, Add</i>	623.54 6.30	96.76
23 36 16 00-0037	EA		0 To 1,100 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-G) <i>For Filters And Frames, Add</i>	668.68 6.30	103.20
23 36 16 00-0038	EA		0 To 1,900 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-H) <i>For Filters And Frames, Add</i>	712.39 6.30	109.66
23 36 16 00-0039	EA		0 To 2,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-J) <i>For Filters And Frames, Add</i>	757.36 6.30	116.11
23 36 16 00-0040	EA		0 To 3,800 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-K) <i>For Filters And Frames, Add</i>	803.66 6.30	122.56
23 36 16 00-0041	EA		0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-L) <i>For Filters And Frames, Add</i>	851.42 6.30	129.01
23 36 16 00-0042	EA		0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M) <i>For Filters And Frames, Add</i>	900.69 6.30	135.45
23 36 16 00-0043	EA		0 To 6,700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-N) <i>For Filters And Frames, Add</i>	951.60 6.30	141.91
23 36 16 00-0044	EA		0 To 10,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-P) <i>For Filters And Frames, Add</i>	1,000.48 6.30	148.35
23 36 16 00-0045	EA		0 To 15,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-R) <i>For Filters And Frames, Add</i>	1,054.77 6.30	154.81
23 37 Air Outlets And Inlets (23 30)					
23 37 13 Diffusers, Registers, And Grilles (23 37)					
23 37 13 13 Diffusers, Registers, and Grilles (23 37 13)					
23 37 13 13-0001 Ceiling Diffusers (23 37 13 13)					
23 37 13 13-0002 Ceiling Diffusers With Perforated Face (23 37 13 13-0001)					
Note: Flush mount, aluminum construction, includes damper.					
23 37 13 13-0003	EA		6" x 6" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper <i>For Steel Construction, Deduct</i> <i>For Surface Mount, Deduct</i> <i>For Diffuser Without Damper, Deduct</i> <i>For Stainless Steel, Add</i>	89.39 -5.45 -4.36 -7.26 90.80	13.41
23 37 13 13-0004	EA		8" x 8" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper <i>For Steel Construction, Deduct</i> <i>For Surface Mount, Deduct</i> <i>For Diffuser Without Damper, Deduct</i> <i>For Stainless Steel, Add</i>	97.46 -6.66 -5.33 -8.88 110.98	13.41
23 37 13 13-0005	EA		9" x 9" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper <i>For Steel Construction, Deduct</i> <i>For Surface Mount, Deduct</i> <i>For Diffuser Without Damper, Deduct</i> <i>For Stainless Steel, Add</i>	97.46 -6.66 -5.33 -8.88 110.98	13.41
23 37 13 13-0006	EA		10" x 10" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper <i>For Steel Construction, Deduct</i> <i>For Surface Mount, Deduct</i> <i>For Diffuser Without Damper, Deduct</i> <i>For Stainless Steel, Add</i>	117.20 -7.97 -6.38 -10.63 132.85	16.51
23 37 13 13-0007	EA		12" x 12" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper <i>For Steel Construction, Deduct</i> <i>For Surface Mount, Deduct</i> <i>For Diffuser Without Damper, Deduct</i> <i>For Stainless Steel, Add</i>	117.20 -7.97 -6.38 -10.63 132.85	15.48
23 37 13 13-0008	EA		16" x 16" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper <i>For Steel Construction, Deduct</i> <i>For Surface Mount, Deduct</i> <i>For Diffuser Without Damper, Deduct</i> <i>For Stainless Steel, Add</i>	132.00 -10.19 -8.15 -13.59 169.85	15.48
23 37 13 13-0009	EA		18" x 18" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper <i>For Steel Construction, Deduct</i> <i>For Surface Mount, Deduct</i> <i>For Diffuser Without Damper, Deduct</i> <i>For Stainless Steel, Add</i>	153.47 -10.96 -8.77 -14.61 182.63	20.64



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0010 EA 20" x 20" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	175.65	21.67
For Steel Construction, Deduct	-13.68	
For Surface Mount, Deduct	-10.95	
For Diffuser Without Damper, Deduct	-18.24	
For Stainless Steel, Add	228.03	
23 37 13 13-0011 EA 24" x 24" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	199.73	24.77
For Steel Construction, Deduct	-15.22	
For Surface Mount, Deduct	-12.17	
For Lay-In Mount, Deduct	-12.17	
For Diffuser Without Damper, Deduct	-20.29	
For Stainless Steel, Add	253.60	
23 37 13 13-0012 Ceiling Diffusers With Louver Face <small>(23 37 13 13-0001)</small>		
Note: 1 To 4 way adjustable pattern, surface mount aluminum construction.		
23 37 13 13-0013 EA 6" x 6" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	92.08	13.41
For Steel Construction, Deduct	-5.85	
For Flush Mount, Add	5.85	
For Stainless Steel, Add	97.53	
23 37 13 13-0014 EA 8" x 8" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	102.58	13.41
For Steel Construction, Deduct	-7.43	
For Flush Mount, Add	7.43	
For Stainless Steel, Add	123.78	
23 37 13 13-0015 EA 9" x 9" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	102.58	13.41
For Steel Construction, Deduct	-7.43	
For Flush Mount, Add	7.43	
For Stainless Steel, Add	123.78	
23 37 13 13-0016 EA 10" x 10" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	123.25	15.48
For Steel Construction, Deduct	-8.88	
For Flush Mount, Add	8.88	
For Stainless Steel, Add	147.98	
23 37 13 13-0017 EA 12" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	123.25	16.51
For Steel Construction, Deduct	-8.88	
For Flush Mount, Add	8.88	
For Stainless Steel, Add	147.98	
23 37 13 13-0018 EA 24" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	158.26	20.64
For Steel Construction, Deduct	-11.62	
For Flush Mount, Add	11.62	
For Stainless Steel, Add	193.73	
23 37 13 13-0019 EA 14" x 14" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	144.00	20.64
For Steel Construction, Deduct	-9.48	
For Flush Mount, Add	9.48	
For Stainless Steel, Add	158.08	
23 37 13 13-0020 EA 18" x 18" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	178.89	24.77
For Steel Construction, Deduct	-12.17	
For Flush Mount, Add	12.17	
For Stainless Steel, Add	202.80	
23 37 13 13-0021 EA 21" x 21" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	203.99	27.86
For Steel Construction, Deduct	-15.14	
For Flush Mount, Add	15.14	
For Stainless Steel, Add	252.25	
23 37 13 13-0022 EA 24" x 24" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	221.88	54.59
For Steel Construction, Deduct	-16.89	
For Flush Mount, Add	16.89	
For Lay-In Mount, Add	22.52	
For Stainless Steel, Add	281.50	
23 37 13 13-0023 Round Ceiling Diffusers With Fixed Pattern <small>(23 37 13 13-0001)</small>		
Note: Aluminum construction.		
23 37 13 13-0024 EA 6" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	140.39	13.41
For Steel Construction, Deduct	-26.20	
For Stainless Steel, Add	218.30	
23 37 13 13-0025 EA 8" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	144.87	13.41
For Steel Construction, Deduct	-27.54	
For Stainless Steel, Add	229.50	
23 37 13 13-0026 EA 10" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	164.82	16.51
For Steel Construction, Deduct	-30.23	
For Stainless Steel, Add	251.90	
23 37 13 13-0027 EA 12" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	176.01	15.48
For Steel Construction, Deduct	-33.59	
For Stainless Steel, Add	279.88	
23 37 13 13-0028 EA 14" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	246.71	18.57
For Steel Construction, Deduct	-51.72	
For Stainless Steel, Add	431.03	
23 37 13 13-0029 EA 16" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	259.88	19.61
For Steel Construction, Deduct	-54.74	
For Stainless Steel, Add	456.20	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets And Inlets**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0030	EA		18" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	273.33	20.64
			<i>For Steel Construction, Deduct</i>	-57.77	
			<i>For Stainless Steel, Add</i>	481.40	
23 37 13 13-0031	EA		20" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	313.32	20.64
			<i>For Steel Construction, Deduct</i>	-68.66	
			<i>For Stainless Steel, Add</i>	572.20	
23 37 13 13-0032	EA		24" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	371.53	23.74
			<i>For Steel Construction, Deduct</i>	-83.59	
			<i>For Stainless Steel, Add</i>	696.60	
23 37 13 13-0033	EA		28" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	416.22	24.77
			<i>For Steel Construction, Deduct</i>	-95.54	
			<i>For Stainless Steel, Add</i>	796.13	
23 37 13 13-0034	EA		32" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	494.90	27.86
			<i>For Steel Construction, Deduct</i>	-115.69	
			<i>For Stainless Steel, Add</i>	964.05	
23 37 13 13-0035			Round Ceiling Diffusers With Adjustable Pattern Dropped Style (23 37 13 13-0001)		
			Note: Aluminum construction.		
23 37 13 13-0036	EA		6" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	147.11	13.41
			<i>For Steel Construction, Deduct</i>	-9.40	
			<i>For Flush Mount, Deduct</i>	-4.70	
			<i>For Stainless Steel, Add</i>	235.10	
23 37 13 13-0037	EA		8" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	158.68	13.41
			<i>For Steel Construction, Deduct</i>	-10.56	
			<i>For Flush Mount, Deduct</i>	-5.28	
			<i>For Stainless Steel, Add</i>	264.03	
23 37 13 13-0038	EA		10" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	180.99	16.51
			<i>For Steel Construction, Deduct</i>	-11.69	
			<i>For Flush Mount, Deduct</i>	-5.85	
			<i>For Stainless Steel, Add</i>	292.33	
23 37 13 13-0039	EA		12" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	193.93	16.51
			<i>For Steel Construction, Deduct</i>	-12.99	
			<i>For Flush Mount, Deduct</i>	-6.49	
			<i>For Stainless Steel, Add</i>	324.68	
23 37 13 13-0040	EA		14" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	275.82	18.57
			<i>For Steel Construction, Deduct</i>	-20.15	
			<i>For Flush Mount, Deduct</i>	-10.08	
			<i>For Stainless Steel, Add</i>	503.80	
23 37 13 13-0041	EA		16" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	223.06	19.61
			<i>For Steel Construction, Deduct</i>	-21.53	
			<i>For Flush Mount, Deduct</i>	-10.77	
			<i>For Stainless Steel, Add</i>	538.30	
23 37 13 13-0042	EA		18" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	309.90	20.64
			<i>For Steel Construction, Deduct</i>	-22.91	
			<i>For Flush Mount, Deduct</i>	-11.46	
			<i>For Stainless Steel, Add</i>	572.83	
23 37 13 13-0043	EA		20" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	356.86	21.67
			<i>For Steel Construction, Deduct</i>	-27.24	
			<i>For Flush Mount, Deduct</i>	-13.62	
			<i>For Stainless Steel, Add</i>	681.05	
23 37 13 13-0044	EA		24" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	402.38	23.74
			<i>For Steel Construction, Deduct</i>	-30.95	
			<i>For Flush Mount, Deduct</i>	-15.47	
			<i>For Stainless Steel, Add</i>	773.73	
23 37 13 13-0045	EA		28" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	483.39	24.77
			<i>For Steel Construction, Deduct</i>	-38.56	
			<i>For Flush Mount, Deduct</i>	-19.28	
			<i>For Stainless Steel, Add</i>	964.05	
23 37 13 13-0046	EA		32" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	579.73	27.86
			<i>For Steel Construction, Deduct</i>	-47.05	
			<i>For Flush Mount, Deduct</i>	-23.52	
			<i>For Stainless Steel, Add</i>	1,176.13	
23 37 13 13-0047	EA		36" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	640.81	58.10
			<i>For Stainless Steel, Add</i>	1,311.75	
23 37 13 13-0048			Linear Type Ceiling Diffusers With 2-Way Air Deflection (23 37 13 13-0001)		
23 37 13 13-0049	LF		4" Linear Type Ceiling Diffuser 40-200 CFM/LF, With 2-Way Air Deflection.....	118.43	15.48
			<i>For Stainless Steel, Add</i>	141.28	
23 37 13 13-0050	LF		6-1/4" Linear Type Ceiling Diffuser, 41 - 206 CFM/LF, With 2-Way Air Deflection.....	126.11	15.48
			<i>For Stainless Steel, Add</i>	160.48	
23 37 13 13-0051	LF		9-1/4" Linear Type Ceiling Diffuser, 62 - 312 CFM/LF, With 2-Way Air Deflection.....	135.56	15.48
			<i>For Stainless Steel, Add</i>	184.10	
23 37 13 13-0052	LF		12-1/4" Linear Type Ceiling Diffuser, 131 - 656 CFM/LF, With 2-Way Air Deflection.....	144.77	15.48
			<i>For Stainless Steel, Add</i>	207.13	
23 37 13 13-0053			Wall And Floor Diffusers (23 37 13 13)		
23 37 13 13-0054			Slot Type Linear Diffusers (23 37 13 13-0053)		
			Note: For sidewall sill or ceiling 1/2" 3/4" or 1" slot spacing 1-1/8" border.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0055 LF 1 Slot Linear Diffusers 10 - 70 CFM/LF, Sidewall, Sill, Ceiling.....	40.34	5.16
<i>For 3/4" Border, Add</i>	4.67	
<i>For Floor Mounted Diffusers, Add</i>	5.60	
<i>For Stainless Steel, Add</i>	24.26	
23 37 13 13-0056 LF 2 Slot Linear Diffusers 20 - 140 CFM/LF, Sidewall, Sill, Ceiling.....	48.60	6.19
<i>For 3/4" Border, Add</i>	6.22	
<i>For Floor Mounted Diffusers, Add</i>	7.46	
<i>For Stainless Steel, Add</i>	32.34	
23 37 13 13-0057 LF 3 Slot Linear Diffusers 30 - 210 CFM/LF, Sidewall, Sill, Ceiling.....	66.03	7.22
<i>For 3/4" Border, Add</i>	9.80	
<i>For Floor Mounted Diffusers, Add</i>	11.75	
<i>For Stainless Steel, Add</i>	50.93	
23 37 13 13-0058 LF 4 Slot Linear Diffusers 40 - 280 CFM/LF, Sidewall, Sill, Ceiling.....	85.90	7.22
<i>For 3/4" Border, Add</i>	14.00	
<i>For Floor Mounted Diffusers, Add</i>	16.79	
<i>For Stainless Steel, Add</i>	72.77	
23 37 13 13-0059 LF 5 Slot Linear Diffusers 50 - 350 CFM/LF, Sidewall, Sill, Ceiling.....	106.86	8.26
<i>For 3/4" Border, Add</i>	18.19	
<i>For Floor Mounted Diffusers, Add</i>	21.83	
<i>For Stainless Steel, Add</i>	94.60	
23 37 13 13-0060 LF 6 Slot Linear Diffusers 60 - 420 CFM/LF, Sidewall, Sill, Ceiling.....	125.02	10.32
<i>For 3/4" Border, Add</i>	21.46	
<i>For Floor Mounted Diffusers, Add</i>	25.75	
<i>For Stainless Steel, Add</i>	111.58	
23 37 13 13-0061 Linear Bar Grilles And Registers <small>(23 37 13 13-0053)</small>		
<i>Note: For sidewall sill or ceiling or 15 degree deflection 1/2" bar spacing 1" border aluminum construction.</i>		
23 37 13 13-0062 LF 2" Wide Linear Bar Grilles/Registers 30 - 70 CFM/LF, Sidewall, Sill, Ceiling.....	113.90	6.19
<i>For Floor Mount, Add</i>	9.02	
<i>For Opposed Blade Damper, Add</i>	18.04	
<i>For Stainless Steel, Add</i>	117.23	
23 37 13 13-0063 LF 3" Wide Linear Bar Grilles/Registers 55 - 143 CFM/LF, Sidewall, Sill, Ceiling.....	135.69	7.22
<i>For Floor Mount, Add</i>	10.88	
<i>For Opposed Blade Damper, Add</i>	21.77	
<i>For Stainless Steel, Add</i>	141.49	
23 37 13 13-0064 LF 4" Wide Linear Bar Grilles/Registers 80 - 208 CFM/LF, Sidewall, Sill, Ceiling.....	148.09	7.22
<i>For Floor Mount, Add</i>	11.82	
<i>For Opposed Blade Damper, Add</i>	23.63	
<i>For Stainless Steel, Add</i>	153.62	
23 37 13 13-0065 LF 6" Wide Linear Bar Grilles/Registers 125 - 325 CFM/LF, Sidewall, Sill, Ceiling.....	182.24	10.32
<i>For Floor Mount, Add</i>	14.31	
<i>For Opposed Blade Damper, Add</i>	28.61	
<i>For Stainless Steel, Add</i>	185.97	
23 37 13 13-0066 LF 9" Wide Linear Bar Grilles/Registers 225 - 450 CFM/LF, Sidewall, Sill, Ceiling.....	251.65	13.41
<i>For Floor Mount, Add</i>	19.90	
<i>For Opposed Blade Damper, Add</i>	39.81	
<i>For Stainless Steel, Add</i>	258.74	
23 37 13 13-0067 LF 12" Wide Linear Bar Grilles/Registers 225 - 495 CFM/LF, Sidewall, Sill, Ceiling.....	291.08	15.48
<i>For Floor Mount, Add</i>	22.70	
<i>For Opposed Blade Damper, Add</i>	45.40	
<i>For Stainless Steel, Add</i>	295.13	
23 37 13 13-0068 Security Registers And Grilles <small>(23 37 13 13)</small>		
23 37 13 13-0069 Maximum Security Steel Supply / Return Registers <small>(23 37 13 13-0068)</small>		
<i>Note: Includes damper as manufactured by Titus or equal.</i>		
23 37 13 13-0070 EA 6" x 6" Maximum Security Supply/ Return Register	155.45	11.56
23 37 13 13-0071 EA 9" x 9" Maximum Security Supply/ Return Register	222.15	13.75
23 37 13 13-0072 EA 12" x 6" Maximum Security Supply/ Return Register	208.46	14.43
23 37 13 13-0073 EA 12" x 8" Maximum Security Supply/ Return Register	240.55	16.66
23 37 13 13-0074 EA 10" x 10" Maximum Security Supply/ Return Register	225.04	14.43
23 37 13 13-0075 EA 14" x 12" Maximum Security Supply/ Return Register	311.59	20.31
23 37 13 13-0076 EA 14" x 14" Maximum Security Supply/ Return Register	351.97	21.87
23 37 13 13-0077 EA 18" x 18" Maximum Security Supply/ Return Register	468.79	25.99
23 37 13 13-0078 EA 24" x 24" Maximum Security Supply/ Return Registers	668.89	33.22
23 37 13 13-0079 Staff Security Steel Supply Registers <small>(23 37 13 13-0068)</small>		
<i>Note: Includes damper as manufactured by Titus or equal.</i>		
23 37 13 13-0080 EA 6" x 6" Staff Security Supply Register	118.97	11.56
23 37 13 13-0081 EA 9" x 9" Staff Security Supply Register	152.51	13.75
23 37 13 13-0082 EA 12" x 12" Staff Security Supply Register	193.07	18.76
23 37 13 13-0083 EA 15" x 15" Staff Security Supply Register	271.96	21.66
23 37 13 13-0084 EA 21" x 21" Staff Security Supply Register	384.61	28.90
23 37 13 13-0085 EA 24" x 24" Staff Security Supply Register	461.64	33.22
23 37 13 13-0086 Staff Security Steel Return Registers <small>(23 37 13 13-0068)</small>		
<i>Note: Includes damper as manufactured by Titus or equal.</i>		
23 37 13 13-0087 EA 10" x 4" 12 Gage Flat Steel Plate Staff Security Return Register	150.05	12.50
<i>Note: Perforated with square holes.</i>		

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 37 Air Outlets And Inlets



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0088 EA 6" x 6" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	135.55	11.56
23 37 13 13-0089 EA 10" x 6" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	163.11	13.02
23 37 13 13-0090 EA 12" x 5" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	167.22	14.06
23 37 13 13-0091 EA 12" x 8" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	207.39	16.66
23 37 13 13-0092 EA 16" x 6" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	217.34	16.66
23 37 13 13-0093 EA 16" x 8" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	241.57	17.29
23 37 13 13-0094 EA 12" x 12" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	242.81	18.76
23 37 13 13-0095 EA 30" x 6" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	314.48	21.04
23 37 13 13-0096 EA 14" x 12" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	270.14	20.31
23 37 13 13-0097 EA 28" x 8" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	335.39	21.66
23 37 13 13-0098 EA 18" x 12" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	310.52	21.46
23 37 13 13-0099 Maximum Security Steel Grills (23 37 13 13-0068) Note: Includes damper as manufactured by Titus or equal.		
23 37 13 13-0100 EA 10" x 4" Maximum Security Grill.....	130.15	12.50
23 37 13 13-0101 EA 6" x 6" Maximum Security Grill.....	118.97	11.56
23 37 13 13-0102 EA 10" x 6" Maximum Security Grill.....	139.89	13.02
23 37 13 13-0103 EA 12" x 5" Maximum Security Grill.....	145.66	14.06
23 37 13 13-0104 EA 12" x 8" Maximum Security Grill.....	172.57	16.66
23 37 13 13-0105 EA 16" x 8" Maximum Security Grill.....	198.47	17.29
23 37 13 13-0106 EA 12" x 12" Maximum Security Grill.....	199.70	18.76
23 37 13 13-0107 EA 14" x 12" Maximum Security Grill.....	217.08	20.31
23 37 13 13-0108 EA 30" x 6" Maximum Security Grill.....	264.74	21.04
23 37 13 13-0109 EA 28" x 8" Maximum Security Grill.....	279.02	21.66
23 37 13 13-0110 EA 18" x 12" Maximum Security Grill.....	255.81	21.46
23 37 13 13-0111 Return/Exhaust Registers And Grilles (23 37 13 13)		
23 37 13 13-0112 Return/Exhaust Registers With Frame (23 37 13 13-0111) Note: Single deflection with opposed blade damper aluminum construction wall or ceiling mount.		
23 37 13 13-0113 EA 8" x 4" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	82.10	8.26
For Steel Construction, Deduct	-10.01	
For Grilles (No Damper), Deduct	-20.03	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	5.01	
For Cube Core Lay In, Add	10.01	
For Stainless Steel, Add	125.18	
23 37 13 13-0114 EA 8" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	92.98	8.26
For Steel Construction, Deduct	-12.19	
For Grilles (No Damper), Deduct	-24.38	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	6.10	
For Cube Core Lay In, Add	12.19	
For Stainless Steel, Add	152.38	
23 37 13 13-0115 EA 10" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	104.64	9.29
For Steel Construction, Deduct	-13.50	
For Grilles (No Damper), Deduct	-26.99	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	6.75	
For Cube Core Lay In, Add	13.50	
For Stainless Steel, Add	168.70	
23 37 13 13-0116 EA 10" x 10" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	110.68	10.32
For Steel Construction, Deduct	-13.50	
For Grilles (No Damper), Deduct	-26.99	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	6.75	
For Cube Core Lay In, Add	13.50	
For Stainless Steel, Add	168.70	
23 37 13 13-0117 EA 12" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	106.33	10.32
For Steel Construction, Deduct	-12.63	
For Grilles (No Damper), Deduct	-25.25	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	6.31	
For Cube Core Lay In, Add	12.63	
For Stainless Steel, Add	157.83	
23 37 13 13-0118 EA 12" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	135.79	13.41
For Steel Construction, Deduct	-16.54	
For Grilles (No Damper), Deduct	-33.09	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	8.27	
For Cube Core Lay In, Add	16.54	
For Stainless Steel, Add	206.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0119 EA 16" x 16" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	162.83	15.48
For Steel Construction, Deduct	-19.75	
For Grilles (No Damper), Deduct	-39.51	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	9.88	
For Cube Core Lay In, Add	19.75	
For Stainless Steel, Add	246.93	
23 37 13 13-0120 EA 18" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	198.38	18.57
For Steel Construction, Deduct	-24.82	
For Grilles (No Damper), Deduct	-49.63	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	12.41	
For Cube Core Lay In, Add	24.82	
For Stainless Steel, Add	310.20	
23 37 13 13-0121 EA 20" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	231.03	20.64
For Steel Construction, Deduct	-30.05	
For Grilles (No Damper), Deduct	-60.10	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	15.03	
For Cube Core Lay In, Add	30.05	
For Stainless Steel, Add	375.65	
23 37 13 13-0122 EA 24" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	210.12	20.64
For Steel Construction, Deduct	-25.14	
For Grilles (No Damper), Deduct	-50.27	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	12.57	
For Cube Core Lay In, Add	25.14	
For Stainless Steel, Add	314.20	
23 37 13 13-0123 EA 24" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	236.82	20.64
For Steel Construction, Deduct	-30.48	
For Grilles (No Damper), Deduct	-60.95	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	15.24	
For Cube Core Lay In, Add	30.48	
For Stainless Steel, Add	380.95	
23 37 13 13-0124 EA 24" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	250.82	23.74
For Steel Construction, Deduct	-31.59	
For Grilles (No Damper), Deduct	-63.17	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	15.79	
For Cube Core Lay In, Add	31.59	
For Stainless Steel, Add	394.83	
23 37 13 13-0125 EA 30" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	265.62	24.77
For Steel Construction, Deduct	-33.57	
For Grilles (No Damper), Deduct	-67.14	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	16.79	
For Cube Core Lay In, Add	33.57	
For Stainless Steel, Add	419.63	
23 37 13 13-0126 EA 30" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	305.19	27.86
For Steel Construction, Deduct	-39.18	
For Grilles (No Damper), Deduct	-78.36	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	19.59	
For Cube Core Lay In, Add	39.18	
For Stainless Steel, Add	489.78	
23 37 13 13-0127 EA 30" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	344.70	33.02
For Steel Construction, Deduct	-42.40	
For Grilles (No Damper), Deduct	-84.80	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	21.20	
For Cube Core Lay In, Add	42.40	
For Stainless Steel, Add	530.03	
23 37 13 13-0128 EA 30" x 30" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	436.88	33.02
For Steel Construction, Deduct	-60.84	
For Grilles (No Damper), Deduct	-121.68	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	30.42	
For Cube Core Lay In, Add	60.84	
For Stainless Steel, Add	760.48	
23 37 13 13-0129 EA 36" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	371.94	36.12
For Steel Construction, Deduct	-45.81	
For Grilles (No Damper), Deduct	-91.62	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	22.90	
For Cube Core Lay In, Add	45.81	
For Stainless Steel, Add	572.60	
23 37 13 13-0130 EA 36" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	363.18	35.09
For Steel Construction, Deduct	-44.06	
For Grilles (No Damper), Deduct	-88.11	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	22.03	
For Cube Core Lay In, Add	44.06	
For Stainless Steel, Add	550.70	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 37 Air Outlets And Inlets



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0131	EA		36" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	411.35	39.22
			<i>For Steel Construction, Deduct</i>	-51.31	
			<i>For Grilles (No Damper), Deduct</i>	-102.62	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	25.65	
			<i>For Cube Core Lay In, Add</i>	51.31	
			<i>For Stainless Steel, Add</i>	641.35	
23 37 13 13-0132	EA		36" x 36" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	546.43	42.32
			<i>For Steel Construction, Deduct</i>	-75.51	
			<i>For Grilles (No Damper), Deduct</i>	-151.02	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	37.76	
			<i>For Cube Core Lay In, Add</i>	75.51	
			<i>For Stainless Steel, Add</i>	943.88	
23 37 13 13-0133	EA		24" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	248.01	23.84
			<i>For Steel Construction, Deduct</i>	-30.55	
			<i>For Grilles (No Damper), Deduct</i>	-61.10	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	15.28	
			<i>For Cube Core Lay In, Add</i>	30.55	
			<i>For Stainless Steel, Add</i>	381.90	
23 37 13 13-0134	EA		32" x 40" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	447.92	42.21
			<i>For Steel Construction, Deduct</i>	-55.81	
			<i>For Grilles (No Damper), Deduct</i>	-111.62	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	27.90	
			<i>For Cube Core Lay In, Add</i>	55.81	
			<i>For Stainless Steel, Add</i>	697.60	
23 37 13 13-0135	EA		48" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	475.01	41.28
			<i>For Steel Construction, Deduct</i>	-64.04	
			<i>For Grilles (No Damper), Deduct</i>	-128.08	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	32.02	
			<i>For Cube Core Lay In, Add</i>	64.04	
			<i>For Stainless Steel, Add</i>	800.50	
23 37 13 13-0136 Return/Exhaust Registers Removable-Reversible (23 37 13 13-0111)					
Note: Double deflection core and opposed blade damper radiused frame with boarder aluminum construction.					
23 37 13 13-0137	EA		8" x 4" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	76.44	8.26
			<i>For Steel Construction, Deduct</i>	-4.44	
			<i>For Flat Frame, Deduct</i>	-0.44	
			<i>For Grilles (No Damper), Deduct</i>	-8.88	
			<i>For Stainless Steel, Add</i>	111.03	
23 37 13 13-0138	EA		8" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	76.44	8.26
			<i>For Steel Construction, Deduct</i>	-4.44	
			<i>For Flat Frame, Deduct</i>	-0.44	
			<i>For Grilles (No Damper), Deduct</i>	-8.88	
			<i>For Stainless Steel, Add</i>	111.03	
23 37 13 13-0139	EA		10" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	93.32	9.29
			<i>For Steel Construction, Deduct</i>	-5.62	
			<i>For Flat Frame, Deduct</i>	-0.56	
			<i>For Grilles (No Damper), Deduct</i>	-11.23	
			<i>For Stainless Steel, Add</i>	140.40	
23 37 13 13-0140	EA		10" x 10" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	107.20	11.35
			<i>For Steel Construction, Deduct</i>	-6.40	
			<i>For Flat Frame, Deduct</i>	-0.64	
			<i>For Grilles (No Damper), Deduct</i>	-12.80	
			<i>For Stainless Steel, Add</i>	160.00	
23 37 13 13-0141	EA		12" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	105.89	10.32
			<i>For Steel Construction, Deduct</i>	-6.27	
			<i>For Flat Frame, Deduct</i>	-0.63	
			<i>For Grilles (No Damper), Deduct</i>	-12.54	
			<i>For Stainless Steel, Add</i>	156.73	
23 37 13 13-0142	EA		12" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	136.66	13.41
			<i>For Steel Construction, Deduct</i>	-8.36	
			<i>For Flat Frame, Deduct</i>	-0.84	
			<i>For Grilles (No Damper), Deduct</i>	-16.72	
			<i>For Stainless Steel, Add</i>	208.98	
23 37 13 13-0143	EA		16" x 16" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	215.14	16.51
			<i>For Steel Construction, Deduct</i>	-15.11	
			<i>For Flat Frame, Deduct</i>	-1.51	
			<i>For Grilles (No Damper), Deduct</i>	-30.22	
			<i>For Stainless Steel, Add</i>	377.70	
23 37 13 13-0144	EA		18" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	258.46	18.57
			<i>For Steel Construction, Deduct</i>	-18.42	
			<i>For Flat Frame, Deduct</i>	-1.84	
			<i>For Grilles (No Damper), Deduct</i>	-36.83	
			<i>For Stainless Steel, Add</i>	460.40	
23 37 13 13-0145	EA		20" x 20" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	291.06	20.64
			<i>For Steel Construction, Deduct</i>	-21.03	
			<i>For Flat Frame, Deduct</i>	-2.10	
			<i>For Grilles (No Damper), Deduct</i>	-42.06	
			<i>For Stainless Steel, Add</i>	525.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0146 EA 24" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	246.40	20.64
For Steel Construction, Deduct	-16.20	
For Flat Frame, Deduct	-1.62	
For Grilles (No Damper), Deduct	-32.39	
For Stainless Steel, Add	404.90	
23 37 13 13-0147 EA 24" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	324.77	21.67
For Steel Construction, Deduct	-24.03	
For Flat Frame, Deduct	-2.40	
For Grilles (No Damper), Deduct	-48.07	
For Stainless Steel, Add	600.83	
23 37 13 13-0148 EA 24" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	377.63	23.74
For Steel Construction, Deduct	-28.47	
For Flat Frame, Deduct	-2.85	
For Grilles (No Damper), Deduct	-56.95	
For Stainless Steel, Add	711.85	
23 37 13 13-0149 EA 30" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	296.30	24.77
For Steel Construction, Deduct	-19.85	
For Flat Frame, Deduct	-1.99	
For Grilles (No Damper), Deduct	-39.71	
For Stainless Steel, Add	496.33	
23 37 13 13-0150 EA 30" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	401.85	27.86
For Steel Construction, Deduct	-29.26	
For Flat Frame, Deduct	-2.93	
For Grilles (No Damper), Deduct	-58.51	
For Stainless Steel, Add	731.43	
23 37 13 13-0151 EA 30" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	484.04	33.02
For Steel Construction, Deduct	-35.14	
For Flat Frame, Deduct	-3.51	
For Grilles (No Damper), Deduct	-70.27	
For Stainless Steel, Add	878.38	
23 37 13 13-0152 EA 30" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	550.00	33.02
For Steel Construction, Deduct	-41.73	
For Flat Frame, Deduct	-4.17	
For Grilles (No Damper), Deduct	-83.46	
For Stainless Steel, Add	1,043.28	
23 37 13 13-0153 EA 36" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	387.15	35.09
For Steel Construction, Deduct	-24.43	
For Flat Frame, Deduct	-2.44	
For Grilles (No Damper), Deduct	-48.85	
For Stainless Steel, Add	610.63	
23 37 13 13-0154 EA 36" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	512.53	35.09
For Steel Construction, Deduct	-36.96	
For Flat Frame, Deduct	-3.70	
For Grilles (No Damper), Deduct	-73.93	
For Stainless Steel, Add	924.08	
23 37 13 13-0155 EA 36" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	591.06	39.22
For Steel Construction, Deduct	-43.63	
For Flat Frame, Deduct	-4.36	
For Grilles (No Damper), Deduct	-87.25	
For Stainless Steel, Add	1,090.63	
23 37 13 13-0156 EA 36" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	688.07	42.32
For Steel Construction, Deduct	-51.92	
For Flat Frame, Deduct	-5.19	
For Grilles (No Damper), Deduct	-103.84	
For Stainless Steel, Add	1,297.98	
23 37 13 13-0157 EA 36" x 36" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	724.64	42.32
For Steel Construction, Deduct	-55.58	
For Flat Frame, Deduct	-5.56	
For Grilles (No Damper), Deduct	-111.15	
For Stainless Steel, Add	1,389.40	
23 37 13 13-0158 Aluminum Eggcrate Ceiling Return Air And Exhaust Grilles <small>(23 37 13 13-0111)</small>		
23 37 13 13-0159 EA 6" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	43.20	10.07
23 37 13 13-0160 EA 8" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	43.20	10.07
23 37 13 13-0161 EA 8" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	46.11	10.07
23 37 13 13-0162 EA 8" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	47.27	10.07
23 37 13 13-0163 EA 10" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	46.11	10.07
23 37 13 13-0164 EA 10" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	47.27	10.07
23 37 13 13-0165 EA 10" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	57.94	13.21
23 37 13 13-0166 EA 10" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	59.10	13.21
23 37 13 13-0167 EA 12" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	56.77	13.21
23 37 13 13-0168 EA 12" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	59.10	13.21
23 37 13 13-0169 EA 12" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	60.26	13.21
23 37 13 13-0170 EA 12" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	61.43	13.21
23 37 13 13-0171 EA 14" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	59.68	13.21
23 37 13 13-0172 EA 14" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	62.01	13.21
23 37 13 13-0173 EA 14" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	63.17	13.21
23 37 13 13-0174 EA 14" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	68.40	13.21
23 37 13 13-0175 EA 16" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	62.01	13.21
23 37 13 13-0176 EA 16" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	66.08	13.21
23 37 13 13-0177 EA 16" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	68.40	13.21
23 37 13 13-0178 EA 16" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	90.31	19.48
23 37 13 13-0179 EA 16" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	91.47	19.48
23 37 13 13-0180 EA 18" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	89.15	19.48

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 37 Air Outlets And Inlets



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0181	EA		18" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	107.96	22.61
23 37 13 13-0182	EA		20" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	87.99	19.48
23 37 13 13-0183	EA		20" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	113.78	22.61
23 37 13 13-0184	EA		22" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	60.84	13.21
23 37 13 13-0185	EA		22" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	89.15	19.48
23 37 13 13-0186	EA		22" x 22" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	127.94	25.75
23 37 13 13-0187	EA		24" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	87.99	19.48
23 37 13 13-0188	EA		24" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	90.31	19.48
23 37 13 13-0189	EA		24" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	104.47	22.61
			<i>For Lay-In Installation, Deduct</i>	-47.77	
23 37 13 13-0190	EA		24" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	107.96	22.61
23 37 13 13-0191	EA		24" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	120.96	25.75
23 37 13 13-0192	EA		24" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	124.45	25.75
23 37 13 13-0193	EA		24" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	128.52	25.75
23 37 13 13-0194	EA		24" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	136.08	25.75
			<i>For Lay-In Installation, Deduct</i>	-54.69	
23 37 13 13-0195	EA		30" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	106.22	22.61
23 37 13 13-0196	EA		48" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	164.02	28.23
23 37 13 13-0197	EA		48" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	267.35	34.49
			<i>For Lay-In Installation, Deduct</i>	-78.69	

23 37 13 13-0198 Supply Registers and Grilles (23 37 13 13)

23 37 13 13-0199 Adjustable Curved Blade Register (23 37 13 13-0198)

Note: Ceiling mount aluminum construction four way pattern flush frame.

23 37 13 13-0200	EA		6" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	70.04	8.26
			<i>For Steel Construction, Deduct</i>	-5.71	
			<i>For Lay In Frame, Deduct</i>	-9.52	
			<i>For Three Way Pattern, Deduct</i>	-3.81	
			<i>For Two Way Pattern, Deduct</i>	-3.04	
			<i>For One Way Pattern, Deduct</i>	-3.04	
			<i>For Grille (No Damper), Deduct</i>	-5.71	
			<i>For Stainless Steel, Add</i>	95.15	
23 37 13 13-0201	EA		8" x 8" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	72.28	8.26
			<i>For Steel Construction, Deduct</i>	-6.05	
			<i>For Lay In Frame, Deduct</i>	-10.08	
			<i>For Three Way Pattern, Deduct</i>	-4.03	
			<i>For Two Way Pattern, Deduct</i>	-3.22	
			<i>For One Way Pattern, Deduct</i>	-3.22	
			<i>For Grille (No Damper), Deduct</i>	-6.05	
			<i>For Stainless Steel, Add</i>	100.75	
23 37 13 13-0202	EA		12" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	81.36	11.35
			<i>For Steel Construction, Deduct</i>	-5.71	
			<i>For Lay In Frame, Deduct</i>	-9.52	
			<i>For Three Way Pattern, Deduct</i>	-3.81	
			<i>For Two Way Pattern, Deduct</i>	-3.04	
			<i>For One Way Pattern, Deduct</i>	-3.04	
			<i>For Grille (No Damper), Deduct</i>	-5.71	
			<i>For Stainless Steel, Add</i>	95.15	
23 37 13 13-0203	EA		10" x 10" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	89.57	10.32
			<i>For Steel Construction, Deduct</i>	-6.94	
			<i>For Lay In Frame, Deduct</i>	-11.57	
			<i>For Three Way Pattern, Deduct</i>	-4.63	
			<i>For Two Way Pattern, Deduct</i>	-3.70	
			<i>For One Way Pattern, Deduct</i>	-3.70	
			<i>For Grille (No Damper), Deduct</i>	-6.94	
			<i>For Stainless Steel, Add</i>	115.68	
23 37 13 13-0204	EA		12" x 12" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	107.85	13.41
			<i>For Steel Construction, Deduct</i>	-8.28	
			<i>For Lay In Frame, Deduct</i>	-13.81	
			<i>For Three Way Pattern, Deduct</i>	-5.52	
			<i>For Two Way Pattern, Deduct</i>	-4.42	
			<i>For One Way Pattern, Deduct</i>	-4.42	
			<i>For Grille (No Damper), Deduct</i>	-8.28	
			<i>For Stainless Steel, Add</i>	138.08	
23 37 13 13-0205	EA		14" x 14" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	132.73	15.48
			<i>For Steel Construction, Deduct</i>	-10.30	
			<i>For Lay In Frame, Deduct</i>	-17.17	
			<i>For Three Way Pattern, Deduct</i>	-6.87	
			<i>For Two Way Pattern, Deduct</i>	-5.49	
			<i>For One Way Pattern, Deduct</i>	-5.49	
			<i>For Grille (No Damper), Deduct</i>	-10.30	
			<i>For Stainless Steel, Add</i>	171.68	
23 37 13 13-0206	EA		16" x 16" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	132.73	15.48
			<i>For Steel Construction, Deduct</i>	-10.30	
			<i>For Lay In Frame, Deduct</i>	-17.17	
			<i>For Three Way Pattern, Deduct</i>	-6.87	
			<i>For Two Way Pattern, Deduct</i>	-5.49	
			<i>For One Way Pattern, Deduct</i>	-5.49	
			<i>For Grille (No Damper), Deduct</i>	-10.30	
			<i>For Stainless Steel, Add</i>	171.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0207 EA 18" x 18" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	164.01	20.64
<i>For Steel Construction, Deduct</i>	-12.54	
<i>For Lay In Frame, Deduct</i>	-20.90	
<i>For Three Way Pattern, Deduct</i>	-8.36	
<i>For Two Way Pattern, Deduct</i>	-6.69	
<i>For One Way Pattern, Deduct</i>	-6.69	
<i>For Grille (No Damper), Deduct</i>	-12.54	
<i>For Stainless Steel, Add</i>	208.98	
23 37 13 13-0208 EA 24" x 24" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	210.57	21.67
<i>For Steel Construction, Deduct</i>	-18.92	
<i>For Lay In Frame, Deduct</i>	-31.53	
<i>For Three Way Pattern, Deduct</i>	-12.61	
<i>For Two Way Pattern, Deduct</i>	-10.09	
<i>For One Way Pattern, Deduct</i>	-10.09	
<i>For Grille (No Damper), Deduct</i>	-18.92	
<i>For Stainless Steel, Add</i>	315.33	
23 37 13 13-0209 EA 30" x 30" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	329.72	43.76
<i>For Steel Construction, Deduct</i>	-36.33	
<i>For Lay In Frame, Deduct</i>	-60.55	
<i>For Three Way Pattern, Deduct</i>	-24.22	
<i>For Two Way Pattern, Deduct</i>	-19.38	
<i>For One Way Pattern, Deduct</i>	-19.38	
<i>For Grille (No Damper), Deduct</i>	-36.33	
<i>For Stainless Steel, Add</i>	605.48	
23 37 13 13-0210 Removable-Reversible Core Registers <small>(23 37 13 13-0198)</small>		
Note: Double deflection radiused frame aluminum construction.		
23 37 13 13-0211 EA 6" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	79.75	8.26
<i>For Steel Construction, Deduct</i>	-4.78	
<i>For Flat Frame, Deduct</i>	-4.78	
<i>For Grille (No Damper), Deduct</i>	-14.33	
<i>For Stainless Steel, Add</i>	119.43	
23 37 13 13-0212 EA 8" x 8" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	99.15	8.26
<i>For Steel Construction, Deduct</i>	-6.72	
<i>For Flat Frame, Deduct</i>	-6.72	
<i>For Grille (No Damper), Deduct</i>	-20.15	
<i>For Stainless Steel, Add</i>	167.93	
23 37 13 13-0213 EA 12" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	126.89	11.35
<i>For Steel Construction, Deduct</i>	-8.36	
<i>For Flat Frame, Deduct</i>	-8.36	
<i>For Grille (No Damper), Deduct</i>	-25.08	
<i>For Stainless Steel, Add</i>	208.98	
23 37 13 13-0214 EA 10" x 10" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	128.38	11.35
<i>For Steel Construction, Deduct</i>	-8.51	
<i>For Flat Frame, Deduct</i>	-8.51	
<i>For Grille (No Damper), Deduct</i>	-25.52	
<i>For Stainless Steel, Add</i>	212.70	
23 37 13 13-0215 EA 12" x 12" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	163.08	13.41
<i>For Steel Construction, Deduct</i>	-11.05	
<i>For Flat Frame, Deduct</i>	-11.05	
<i>For Grille (No Damper), Deduct</i>	-33.14	
<i>For Stainless Steel, Add</i>	276.15	
23 37 13 13-0216 EA 14" x 14" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	229.75	16.51
<i>For Steel Construction, Deduct</i>	-16.57	
<i>For Flat Frame, Deduct</i>	-16.57	
<i>For Grille (No Damper), Deduct</i>	-49.71	
<i>For Stainless Steel, Add</i>	414.23	
23 37 13 13-0217 EA 16" x 16" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	256.62	15.48
<i>For Steel Construction, Deduct</i>	-19.26	
<i>For Flat Frame, Deduct</i>	-19.26	
<i>For Grille (No Damper), Deduct</i>	-57.77	
<i>For Stainless Steel, Add</i>	481.40	
23 37 13 13-0218 EA 18" x 18" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	310.30	20.64
<i>For Steel Construction, Deduct</i>	-22.99	
<i>For Flat Frame, Deduct</i>	-22.99	
<i>For Grille (No Damper), Deduct</i>	-68.96	
<i>For Stainless Steel, Add</i>	574.70	
23 37 13 13-0219 EA 24" x 24" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	387.46	20.64
<i>For Steel Construction, Deduct</i>	-30.30	
<i>For Flat Frame, Deduct</i>	-30.30	
<i>For Grille (No Damper), Deduct</i>	-90.91	
<i>For Stainless Steel, Add</i>	757.55	
23 37 13 13-0220 Adjustable Shutter Blade Registers <small>(23 37 13 13-0198)</small>		
Note: Double deflection flat frame aluminum construction.		
23 37 13 13-0221 EA 6" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	119.06	8.26
<i>For Steel Construction, Deduct</i>	-8.71	
<i>For Single Deflection, Deduct</i>	-17.42	
<i>For Grille (No Damper), Deduct</i>	-13.06	
<i>For Stainless Steel, Add</i>	217.70	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets And Inlets**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0222 EA 8" x 8" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	136.47	8.26
For Steel Construction, Deduct	-10.45	
For Single Deflection, Deduct	-20.90	
For Grille (No Damper), Deduct	-15.67	
For Stainless Steel, Add	261.23	
23 37 13 13-0223 EA 12" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	147.79	11.35
For Steel Construction, Deduct	-10.45	
For Single Deflection, Deduct	-20.90	
For Grille (No Damper), Deduct	-15.67	
For Stainless Steel, Add	261.23	
23 37 13 13-0224 EA 10" x 10" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	152.77	10.32
For Steel Construction, Deduct	-10.95	
For Single Deflection, Deduct	-21.89	
For Grille (No Damper), Deduct	-16.42	
For Stainless Steel, Add	273.68	
23 37 13 13-0225 EA 12" x 12" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	186.96	13.41
For Steel Construction, Deduct	-13.43	
For Single Deflection, Deduct	-26.87	
For Grille (No Damper), Deduct	-20.15	
For Stainless Steel, Add	335.85	
23 37 13 13-0226 EA 14" x 14" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	248.16	15.48
For Steel Construction, Deduct	-18.41	
For Single Deflection, Deduct	-36.82	
For Grille (No Damper), Deduct	-27.62	
For Stainless Steel, Add	460.25	
23 37 13 13-0227 EA 16" x 16" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	290.46	16.51
For Steel Construction, Deduct	-22.64	
For Single Deflection, Deduct	-45.28	
For Grille (No Damper), Deduct	-33.96	
For Stainless Steel, Add	566.00	
23 37 13 13-0228 EA 18" x 18" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	359.06	20.64
For Steel Construction, Deduct	-27.86	
For Single Deflection, Deduct	-55.73	
For Grille (No Damper), Deduct	-41.80	
For Stainless Steel, Add	696.60	
23 37 13 13-0229 EA 24" x 24" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	489.96	21.67
For Steel Construction, Deduct	-40.55	
For Single Deflection, Deduct	-81.10	
For Grille (No Damper), Deduct	-60.83	
For Stainless Steel, Add	1,013.80	
23 37 13 13-0230 Air Conditioning And Ventilation (23 37 13 13-0198)		
23 37 13 13-0231 EA 10" x 16" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	69.19	21.67
For Stainless Steel, Add	64.73	
23 37 13 13-0232 EA 18" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	116.27	32.25
For Stainless Steel, Add	129.43	
23 37 13 13-0233 EA 30" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	176.59	45.15
For Stainless Steel, Add	215.73	
23 37 13 13-0234 EA 48" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	408.60	61.92
For Stainless Steel, Add	711.88	
23 37 13 13-0235 Square Wall Return Air And Exhaust Grilles (23 37 13 13-0198)		
Note: Egg crate design aluminum construction.		
23 37 13 13-0236 EA 8" x 8" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	67.17	25.81
23 37 13 13-0237 EA 12" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	71.95	25.81
23 37 13 13-0238 EA 18" x 18" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	107.34	38.71
23 37 13 13-0239 EA 24" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	131.27	38.71
23 37 13 13-0240 EA 28" x 28" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	210.94	51.61
23 37 13 13-0241 EA 36" x 36" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	355.59	51.61
23 37 13 13-0242 Rectangular Four-Way Adjustable Deflection Wall Supply Grilles (23 37 13 13-0198)		
Note: Aluminum construction.		
23 37 13 13-0243 EA 12" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	177.19	18.58
23 37 13 13-0244 EA 14" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	199.58	18.58
23 37 13 13-0245 EA 18" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	239.32	20.65
23 37 13 13-0246 EA 24" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	279.09	20.65
23 37 13 13-0247 EA 36" x 20" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	364.47	64.51
23 37 13 13-0248 Square Ceiling Return Air And Exhaust Grilles (23 37 13 13-0198)		
Note: Egg crate design, plastic construction.		
23 37 13 13-0249 EA 24" x 24" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction.....	36.73	12.35
23 37 13 13-0250 EA 24" x 48" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction.....	51.49	12.45
23 37 13 13-0251 Door Grilles Sight Proof Inverted Vee Cross Section (23 37 13 13-0198)		
Note: Painted steel louvers and frame.		
23 37 13 13-0252 EA 12" x 6" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	100.73	18.58
23 37 13 13-0253 EA 12" x 12" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	129.92	18.58
23 37 13 13-0254 EA 18" x 18" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	157.29	19.61
23 37 13 13-0255 EA 24" x 24" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	209.53	23.43



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0256 EA 24" x 30" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	234.01	43.05
23 37 13 13-0257 Stainless Steel Devices (23 37 13 13-0198)		
23 37 13 13-0258 304 Stainless Steel, Louvered Partition/Door Grilles (23 37 13 13-0257)		
23 37 13 13-0259 SF Up To 4 SF, 304 Stainless Steel, Louvered Partition/Door Grille..... <i>For 316 Stainless Steel, Add</i>	169.17 28.47	16.11
23 37 13 13-0260 SF >4 SF, 304 Stainless Steel, Louvered Partition/Door Grille	143.20	16.11
<i>For 316 Stainless Steel, Add</i>	23.27	
23 37 13 13-0261 304 Stainless Steel, Single Deflection Supply Grilles (23 37 13 13-0257)		
23 37 13 13-0262 SF Up To 4 SF, 304 Stainless Steel, Single Deflection Supply Grille..... <i>For 316 Stainless Steel, Add</i>	128.81 20.39	16.11
23 37 13 13-0263 SF >4 SF, 304 Stainless Steel, Single Deflection Supply Grille	109.92	16.11
<i>For 316 Stainless Steel, Add</i>	16.62	
23 37 13 13-0264 304 Stainless Steel, Double Deflection Supply Grilles (23 37 13 13-0257)		
23 37 13 13-0265 SF Up To 4 SF, 304 Stainless Steel, Double Deflection Supply Grille	187.23	16.11
<i>For 316 Stainless Steel, Add</i>	32.08	
23 37 13 13-0266 SF >4 SF, 304 Stainless Steel, Double Deflection Supply Grille.....	159.97	16.11
<i>For 316 Stainless Steel, Add</i>	26.63	
23 37 13 13-0267 304 Stainless Steel Return Grilles (23 37 13 13-0257)		
23 37 13 13-0268 SF Up To 4 SF, 304 Stainless Steel Return Grille..... <i>For 316 Stainless Steel, Add</i>	128.81 20.39	16.11
23 37 13 13-0269 SF >4 SF, 304 Stainless Steel Return Grille	109.92	16.11
<i>For 316 Stainless Steel, Add</i>	16.62	
23 37 13 13-0270 304 Stainless Steel, Louvered Supply/Return Grilles (23 37 13 13-0257)		
23 37 13 13-0271 SF Up To 4 SF, 304 Stainless Steel, Louvered Supply/Return Grille..... <i>For 316 Stainless Steel, Add</i>	128.81 20.39	16.11
23 37 13 13-0272 SF >4 SF, 304 Stainless Steel, Louvered Supply/Return Grille.....	109.92	16.11
<i>For 316 Stainless Steel, Add</i>	16.62	
23 37 13 13-0273 304 Stainless Steel, Perforated Return Grilles (23 37 13 13-0257)		
23 37 13 13-0274 SF Up To 4 SF, 304 Stainless Steel, Perforated Return Grille..... <i>For 316 Stainless Steel, Add</i>	128.81 20.39	16.11
23 37 13 13-0275 SF >4 SF, 304 Stainless Steel, Perforated Return Grille.....	104.73	16.11
<i>For 316 Stainless Steel, Add</i>	15.58	
23 37 13 13-0276 304 Stainless Steel, Perforated Supply Grilles (23 37 13 13-0257)		
23 37 13 13-0277 SF Up To 4 SF, 304 Stainless Steel, Perforated Supply Grille..... <i>For 316 Stainless Steel, Add</i>	155.36 25.70	16.11
23 37 13 13-0278 SF >4 SF, 304 Stainless Steel, Perforated Supply Grille	107.49	16.11
<i>For 316 Stainless Steel, Add</i>	16.13	
23 37 13 13-0279 304 Stainless Steel, Door Grilles (23 37 13 13-0257)		
23 37 13 13-0280 SF Up To 4 SF, 304 Stainless Steel, Door Grille..... <i>For 316 Stainless Steel, Add</i>	230.78 40.79	16.11
23 37 13 13-0281 SF >4 SF, 304 Stainless Steel, Door Grille	193.02	16.11
<i>For 316 Stainless Steel, Add</i>	33.24	
23 37 13 13-0282 304 Stainless Steel, Linear Bar Grilles (23 37 13 13-0257)		
23 37 13 13-0283 SF Up To 4 SF, 304 Stainless Steel, Linear Bar Grille..... <i>For 316 Stainless Steel, Add</i>	294.16 53.46	16.11
23 37 13 13-0284 SF >4 SF, 304 Stainless Steel, Linear Bar Grille.....	252.25	16.11
<i>For 316 Stainless Steel, Add</i>	45.08	
23 37 13 13-0285 304 Stainless Steel, Hinged Filter Grilles (23 37 13 13-0257)		
23 37 13 13-0286 SF Up To 4 SF, 304 Stainless Steel, Hinged Filter Grille..... <i>For 316 Stainless Steel, Add</i>	216.97 38.03	16.11
23 37 13 13-0287 SF >4 SF, 304 Stainless Steel, Hinged Filter Grille.....	150.88	16.11
<i>For 316 Stainless Steel, Add</i>	24.81	
23 37 13 13-0288 304 Stainless Steel, Opposed Blade Dampers Grilles (23 37 13 13-0257)		
23 37 13 13-0289 SF Up To 4 SF, 304 Stainless Steel, Opposed Blade Dampers Grille	118.19	16.11
<i>For 316 Stainless Steel, Add</i>	18.27	
23 37 13 13-0290 SF Opposed Blade Dampers Grille, Stainless Steel 304, > 4 SF.....	90.69	16.11
<i>For 316 Stainless Steel, Add</i>	12.77	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0291			304 Stainless Steel, Plaster Frames Replacement <small>(23 37 13 13-0257)</small> Note: For frequent replacement.		
23 37 13 13-0292	SF		To 4 SF, 304 Stainless Steel, Plaster Frames Replacement	92.70	16.11
			<i>For 316 Stainless Steel, Add</i>	13.17	
23 37 13 13-0293	SF		>4 SF, 304 Stainless Steel, Plaster Frames Replacement	50.56	16.11
			<i>For 316 Stainless Steel, Add</i>	4.74	
23 37 13 13-0294			304 Stainless Steel, Modular Louvered Ceiling Diffusers <small>(23 37 13 13-0257)</small>		
23 37 13 13-0295	SF		Up To 4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser	213.78	16.11
			<i>For 316 Stainless Steel, Add</i>	37.39	
23 37 13 13-0296	SF		>4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser	167.88	16.11
			<i>For 316 Stainless Steel, Add</i>	28.21	
23 37 13 13-0297			304 Stainless Steel, Latticed Supply/Return Grilles <small>(23 37 13 13-0257)</small>		
23 37 13 13-0298	SF		Up To 4 SF, 304 Stainless Steel, Latticed Supply/Return Grille	76.76	16.11
			<i>For 316 Stainless Steel, Add</i>	9.98	
23 37 13 13-0299	SF		>4 SF, 304 Stainless Steel, Latticed Supply/Return Grille	76.76	16.11
			<i>For 316 Stainless Steel, Add</i>	9.98	
23 37 13 13-0300			Removal And Reinstallation Of Distribution Devices <small>(23 37 13 13)</small> Note: Includes storage and cleaning. Excludes ductwork.		
23 37 13 13-0301	EA		Removal And Reinstallation Of Variable Air Volume Terminal Unit	193.51	
23 37 13 13-0302	EA		Removal And Reinstallation Of Fan Powered Variable Volume Terminal Unit	213.43	
23 37 13 13-0303	EA		Removal And Reinstallation Of Lay-in Diffuser/Register/Grille	31.99	
23 37 13 13-0304	EA		Removal And Reinstallation Of Surface Mounted Diffuser/Register/Grille	43.32	
23 37 13 43			Security Registers and Grilles <small>(23 37 13)</small>		
23 37 13 43-0001			Security Supply Or Return Grille <small>(23 37 13 43)</small> Note: Designed for maximum security applications, 3/16" steel face plate with 2" x 2" square holes, 1/4" steel backer plate, 3/16" welded steel sleeve, 10 gauge x 2 wire mesh between face and backer plates, 1" x 1" x 3/16" angle iron frame, standard finish.		
23 37 13 43-0002	EA		8" x 4" Steel Security Grille	165.62	15.48
			<i>For Anchoring Tabs, Add</i>	13.47	
			<i>For Angle Iron Frame, Add</i>	23.30	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	50.23	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	33.67	
			<i>For Stainless Steel, Add</i>	175.06	
23 37 13 43-0003	EA		8" x 6" Steel Security Grille	182.99	15.99
			<i>For Anchoring Tabs, Add</i>	15.10	
			<i>For Angle Iron Frame, Add</i>	25.85	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	56.05	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	37.75	
			<i>For Stainless Steel, Add</i>	196.29	
23 37 13 43-0004	EA		8" x 8" Steel Security Grille	209.56	18.07
			<i>For Anchoring Tabs, Add</i>	17.34	
			<i>For Angle Iron Frame, Add</i>	29.63	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	64.31	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	43.36	
			<i>For Stainless Steel, Add</i>	225.46	
23 37 13 43-0005	EA		10" x 4" Steel Security Grille	184.05	17.54
			<i>For Anchoring Tabs, Add</i>	14.90	
			<i>For Angle Iron Frame, Add</i>	25.85	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	55.64	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	37.24	
			<i>For Stainless Steel, Add</i>	193.64	
23 37 13 43-0006	EA		10" x 6" Steel Security Grille	196.31	18.58
			<i>For Anchoring Tabs, Add</i>	15.92	
			<i>For Angle Iron Frame, Add</i>	27.59	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	59.42	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	39.79	
			<i>For Stainless Steel, Add</i>	206.90	
23 37 13 43-0007	EA		10" x 8" Steel Security Grille	223.88	20.13
			<i>For Anchoring Tabs, Add</i>	18.36	
			<i>For Angle Iron Frame, Add</i>	31.57	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	68.30	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	45.91	
			<i>For Stainless Steel, Add</i>	238.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0008 EA 10" x 10" Steel Security Grille	249.43	21.68
For Anchoring Tabs, Add	20.61	
For Angle Iron Frame, Add	35.25	
For Rear Operated Opposed Blade Damper, Add	76.46	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	51.52	
For Stainless Steel, Add	267.90	
23 37 13 43-0009 EA 12" x 4" Steel Security Grille	194.30	19.61
For Anchoring Tabs, Add	15.51	
For Angle Iron Frame, Add	27.18	
For Rear Operated Opposed Blade Damper, Add	58.20	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	38.77	
For Stainless Steel, Add	201.59	
23 37 13 43-0010 EA 12" x 6" Steel Security Grille	216.78	21.68
For Anchoring Tabs, Add	17.34	
For Angle Iron Frame, Add	30.35	
For Rear Operated Opposed Blade Damper, Add	65.04	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	43.36	
For Stainless Steel, Add	225.46	
23 37 13 43-0011 EA 12" x 8" Steel Security Grille	246.41	23.22
For Anchoring Tabs, Add	20.00	
For Angle Iron Frame, Add	34.64	
For Rear Operated Opposed Blade Damper, Add	74.63	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	49.99	
For Stainless Steel, Add	259.95	
23 37 13 43-0012 EA 12" x 10" Steel Security Grille	267.86	24.77
For Anchoring Tabs, Add	21.83	
For Angle Iron Frame, Add	37.70	
For Rear Operated Opposed Blade Damper, Add	81.37	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	54.58	
For Stainless Steel, Add	283.82	
23 37 13 43-0013 EA 12" x 12" Steel Security Grille	295.44	26.32
For Anchoring Tabs, Add	24.28	
For Angle Iron Frame, Add	41.68	
For Rear Operated Opposed Blade Damper, Add	90.24	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	60.70	
For Stainless Steel, Add	315.64	
23 37 13 43-0014 EA 14" x 4" Steel Security Grille	207.59	21.16
For Anchoring Tabs, Add	16.53	
For Angle Iron Frame, Add	29.02	
For Rear Operated Opposed Blade Damper, Add	62.08	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	41.32	
For Stainless Steel, Add	214.85	
23 37 13 43-0015 EA 14" x 6" Steel Security Grille	233.13	22.71
For Anchoring Tabs, Add	18.77	
For Angle Iron Frame, Add	32.70	
For Rear Operated Opposed Blade Damper, Add	70.24	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	46.93	
For Stainless Steel, Add	244.02	
23 37 13 43-0016 EA 14" x 8" Steel Security Grille	259.70	24.77
For Anchoring Tabs, Add	21.02	
For Angle Iron Frame, Add	36.48	
For Rear Operated Opposed Blade Damper, Add	78.51	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	52.54	
For Stainless Steel, Add	273.21	
23 37 13 43-0017 EA 14" x 10" Steel Security Grille	292.40	26.84
For Anchoring Tabs, Add	23.87	
For Angle Iron Frame, Add	41.18	
For Rear Operated Opposed Blade Damper, Add	88.92	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	59.68	
For Stainless Steel, Add	310.34	
23 37 13 43-0018 EA 14" x 12" Steel Security Grille	322.04	29.42
For Anchoring Tabs, Add	26.32	
For Angle Iron Frame, Add	45.36	
For Rear Operated Opposed Blade Damper, Add	98.01	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	65.80	
For Stainless Steel, Add	342.17	
23 37 13 43-0019 EA 14" x 14" Steel Security Grille	346.57	31.49
For Anchoring Tabs, Add	28.36	
For Angle Iron Frame, Add	48.84	
For Rear Operated Opposed Blade Damper, Add	105.56	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	70.90	
For Stainless Steel, Add	368.69	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 37 Air Outlets And Inlets



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 37 13 43-0020	EA	16" x 6" Steel Security Grille	249.50	24.77
		For Anchoring Tabs, Add	20.00	
		For Angle Iron Frame, Add	34.95	
		For Rear Operated Opposed Blade Damper, Add	74.94	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	49.99	
		For Stainless Steel, Add	259.95	
23 37 13 43-0021	EA	16" x 8" Steel Security Grille	284.24	26.84
		For Anchoring Tabs, Add	23.06	
		For Angle Iron Frame, Add	39.95	
		For Rear Operated Opposed Blade Damper, Add	86.06	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	57.64	
		For Stainless Steel, Add	299.73	
23 37 13 43-0022	EA	16" x 10" Steel Security Grille	306.72	28.90
		For Anchoring Tabs, Add	24.89	
		For Angle Iron Frame, Add	43.12	
		For Rear Operated Opposed Blade Damper, Add	92.90	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	62.23	
		For Stainless Steel, Add	323.60	
23 37 13 43-0023	EA	16" x 12" Steel Security Grille	344.50	30.45
		For Anchoring Tabs, Add	28.36	
		For Angle Iron Frame, Add	48.63	
		For Rear Operated Opposed Blade Damper, Add	105.35	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	70.90	
		For Stainless Steel, Add	368.69	
23 37 13 43-0024	EA	16" x 14" Steel Security Grille	364.96	32.51
		For Anchoring Tabs, Add	29.99	
		For Angle Iron Frame, Add	51.49	
		For Rear Operated Opposed Blade Damper, Add	111.48	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	74.98	
		For Stainless Steel, Add	389.91	
23 37 13 43-0025	EA	16" x 16" Steel Security Grille	395.62	34.58
		For Anchoring Tabs, Add	32.65	
		For Angle Iron Frame, Add	55.89	
		For Rear Operated Opposed Blade Damper, Add	121.18	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	81.62	
		For Stainless Steel, Add	424.40	
23 37 13 43-0026	EA	18" x 6" Steel Security Grille	265.90	27.87
		For Anchoring Tabs, Add	21.02	
		For Angle Iron Frame, Add	37.10	
		For Rear Operated Opposed Blade Damper, Add	79.13	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	52.54	
		For Stainless Steel, Add	273.21	
23 37 13 43-0027	EA	18" x 8" Steel Security Grille	302.67	29.94
		For Anchoring Tabs, Add	24.28	
		For Angle Iron Frame, Add	42.41	
		For Rear Operated Opposed Blade Damper, Add	90.97	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	60.70	
		For Stainless Steel, Add	315.64	
23 37 13 43-0028	EA	18" x 10" Steel Security Grille	331.29	32.00
		For Anchoring Tabs, Add	26.73	
		For Angle Iron Frame, Add	46.49	
		For Rear Operated Opposed Blade Damper, Add	99.95	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	66.82	
		For Stainless Steel, Add	347.48	
23 37 13 43-0029	EA	18" x 12" Steel Security Grille	363.97	34.06
		For Anchoring Tabs, Add	29.59	
		For Angle Iron Frame, Add	51.19	
		For Rear Operated Opposed Blade Damper, Add	110.36	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	73.96	
		For Stainless Steel, Add	384.61	
23 37 13 43-0030	EA	18" x 14" Steel Security Grille	387.44	33.55
		For Anchoring Tabs, Add	32.03	
		For Angle Iron Frame, Add	54.76	
		For Rear Operated Opposed Blade Damper, Add	118.83	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	80.09	
		For Stainless Steel, Add	416.44	
23 37 13 43-0031	EA	18" x 16" Steel Security Grille	423.17	35.10
		For Anchoring Tabs, Add	35.30	
		For Angle Iron Frame, Add	59.97	
		For Rear Operated Opposed Blade Damper, Add	130.56	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
		For 1" x 1" Square Holes On Face, Add	88.25	
		For Stainless Steel, Add	458.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0032 EA 18" x 18" Steel Security Grille	452.80	36.64
For Anchoring Tabs, Add	37.95	
For Angle Iron Frame, Add	64.26	
For Rear Operated Opposed Blade Damper, Add	140.16	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	94.88	
For Stainless Steel, Add	493.36	
23 37 13 43-0033 EA 20" x 6" Steel Security Grille	285.34	30.45
For Anchoring Tabs, Add	22.44	
For Angle Iron Frame, Add	39.76	
For Rear Operated Opposed Blade Damper, Add	84.64	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	56.11	
For Stainless Steel, Add	291.77	
23 37 13 43-0034 EA 20" x 8" Steel Security Grille	322.15	33.55
For Anchoring Tabs, Add	25.51	
For Angle Iron Frame, Add	44.97	
For Rear Operated Opposed Blade Damper, Add	95.98	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	63.76	
For Stainless Steel, Add	331.57	
23 37 13 43-0035 EA 20" x 10" Steel Security Grille	353.80	35.10
For Anchoring Tabs, Add	28.36	
For Angle Iron Frame, Add	49.56	
For Rear Operated Opposed Blade Damper, Add	106.28	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	70.90	
For Stainless Steel, Add	368.69	
23 37 13 43-0036 EA 20" x 12" Steel Security Grille	388.53	37.16
For Anchoring Tabs, Add	31.42	
For Angle Iron Frame, Add	54.56	
For Rear Operated Opposed Blade Damper, Add	117.41	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	78.56	
For Stainless Steel, Add	408.49	
23 37 13 43-0037 EA 20" x 14" Steel Security Grille	426.31	38.71
For Anchoring Tabs, Add	34.89	
For Angle Iron Frame, Add	60.08	
For Rear Operated Opposed Blade Damper, Add	129.86	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	87.23	
For Stainless Steel, Add	453.57	
23 37 13 43-0038 EA 20" x 16" Steel Security Grille	460.02	40.25
For Anchoring Tabs, Add	37.95	
For Angle Iron Frame, Add	64.98	
For Rear Operated Opposed Blade Damper, Add	140.88	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	94.88	
For Stainless Steel, Add	493.36	
23 37 13 43-0039 EA 20" x 18" Steel Security Grille	491.67	41.80
For Anchoring Tabs, Add	40.81	
For Angle Iron Frame, Add	69.57	
For Rear Operated Opposed Blade Damper, Add	151.18	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	102.02	
For Stainless Steel, Add	530.49	
23 37 13 43-0040 EA 20" x 20" Steel Security Grille	529.46	43.35
For Anchoring Tabs, Add	44.28	
For Angle Iron Frame, Add	75.08	
For Rear Operated Opposed Blade Damper, Add	163.64	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	110.69	
For Stainless Steel, Add	575.59	
23 37 13 43-0041 EA 24" x 6" Steel Security Grille	317.04	34.06
For Anchoring Tabs, Add	24.89	
For Angle Iron Frame, Add	44.15	
For Rear Operated Opposed Blade Damper, Add	93.93	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	62.23	
For Stainless Steel, Add	323.60	
23 37 13 43-0042 EA 24" x 8" Steel Security Grille	357.92	37.16
For Anchoring Tabs, Add	28.36	
For Angle Iron Frame, Add	49.97	
For Rear Operated Opposed Blade Damper, Add	106.69	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	70.90	
For Stainless Steel, Add	368.69	
23 37 13 43-0043 EA 24" x 10" Steel Security Grille	390.60	38.19
For Anchoring Tabs, Add	31.42	
For Angle Iron Frame, Add	54.77	
For Rear Operated Opposed Blade Damper, Add	117.62	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	78.56	
For Stainless Steel, Add	408.49	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 37 Air Outlets And Inlets



Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include items like 23 37 13 43-0044 EA 24" x 12" Steel Security Grille.

23 37 23 HVAC Gravity Ventilators (23 37)

23 37 23 13 HVAC Gravity Dome Ventilators (23 37 23)

23 37 23 13-0001 Rectangular Gravity Intake/Refill Ventilator Hood (23 37 23 13)

Note: Includes flange base and bird screen. Excludes curb.

Table listing various ventilator hood specifications such as 23 37 23 13-0002 EA 8" x 8" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0003 Disposable Fiberglass Air Filters ^(23 41 13)		
23 41 13 00-0004 EA 8" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	11.03	4.96
23 41 13 00-0005 EA 8" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	11.03	4.96
23 41 13 00-0006 EA 8" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	10.81	4.96
23 41 13 00-0007 EA 10" x 10" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	10.75	5.19
23 41 13 00-0008 EA 10" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	10.75	5.19
23 41 13 00-0009 EA 10" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	10.75	5.19
23 41 13 00-0010 EA 10" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	10.75	5.19
23 41 13 00-0011 EA 10" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	10.93	5.19
23 41 13 00-0012 EA 12" x 12" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	11.35	5.42
23 41 13 00-0013 EA 12" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	11.33	5.42
23 41 13 00-0014 EA 12" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	10.82	5.42
23 41 13 00-0015 EA 12" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	10.82	5.42
23 41 13 00-0016 EA 12" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	10.82	5.42
23 41 13 00-0017 EA 12" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	12.83	5.42
23 41 13 00-0018 EA 12" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.13	5.42
23 41 13 00-0019 EA 14" x 14" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	12.21	5.73
23 41 13 00-0020 EA 14" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	14.14	5.73
23 41 13 00-0021 EA 14" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	11.47	5.73
23 41 13 00-0022 EA 14" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	12.21	5.73
23 41 13 00-0023 EA 14" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	11.47	5.73
23 41 13 00-0024 EA 14" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	12.91	5.73
23 41 13 00-0025 EA 15" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	11.61	5.88
23 41 13 00-0026 EA 15" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	11.61	5.88
23 41 13 00-0027 EA 15" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	14.97	5.88
23 41 13 00-0028 EA 16" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	11.74	5.96
23 41 13 00-0029 EA 16" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	12.99	5.96
23 41 13 00-0030 EA 16" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	11.78	5.96
23 41 13 00-0031 EA 16" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	12.52	5.96
23 41 13 00-0032 EA 16" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	11.30	5.96
23 41 13 00-0033 EA 16" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.09	5.96
23 41 13 00-0034 EA 16" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.88	5.96
23 41 13 00-0035 EA 16" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.66	5.96
23 41 13 00-0036 EA 18" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	12.82	6.19
23 41 13 00-0037 EA 18" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	12.53	6.19
23 41 13 00-0038 EA 18" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	12.82	6.19
23 41 13 00-0039 EA 18" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	13.79	6.19
23 41 13 00-0040 EA 18" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.21	6.19
23 41 13 00-0041 EA 18" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.83	6.19
23 41 13 00-0042 EA 19" x 27" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	14.27	6.50
23 41 13 00-0043 EA 20" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	12.01	6.50



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 16 00-0001 Renewable-Media Electrostatic Air Filters With Frame, Element And Busbar <small>(23 41 16)</small>		
23 41 16 00-0002 MF3 Electrostatic Air Filter, 5' Disposable Roll Renewable With Frame, Element And Busbar	95.87	
23 41 19 Washable Air Filters <small>(23 41)</small>		
23 41 19 00-0001 Washable Electrostatic Air Filters With Frame, Element And Busbar <small>(23 41 19)</small>		
23 41 19 00-0002 MF3 Electrostatic Air Filter, Permanent, Washable With Frame, Element And Busbar	36.61	
23 41 33 High-Efficiency Particulate Filtration <small>(23 41)</small>		
23 41 33 00-0001 HEPA Filters <small>(23 41 33)</small>		
Note: Includes particle board and kraft paper frame and separator material. See CSI section 23 41 13 00-0000 for prefilters.		
23 41 33 00-0002 HEPA Filters DOP Efficiency-95% <small>(23 41 33 00-0001)</small>		
23 41 33 00-0003 EA 12" x 12" x 6" HEPA Filter, 95% DOP Efficiency, 150 CFM, Complete.....	101.51	14.45
For Removal And Replacement In Existing Equipment, Add	2.89	
For >10 To 25, Deduct	-2.54	
For >25 To 50, Deduct	-5.08	
For >50 To 100, Deduct	-7.61	
For >100, Deduct	-10.15	
23 41 33 00-0004 EA 24" x 12" x 6" HEPA Filter, 95% DOP Efficiency, 375 CFM, Complete.....	134.39	16.52
For Removal And Replacement In Existing Equipment, Add	3.30	
For >10 To 25, Deduct	-3.36	
For >25 To 50, Deduct	-6.72	
For >50 To 100, Deduct	-10.08	
For >100, Deduct	-13.44	
23 41 33 00-0005 EA 24" x 18" x 6" HEPA Filter, 95% DOP Efficiency, 450 CFM, Complete.....	157.22	19.10
For Removal And Replacement In Existing Equipment, Add	3.82	
For >10 To 25, Deduct	-3.93	
For >25 To 50, Deduct	-7.86	
For >50 To 100, Deduct	-11.79	
For >100, Deduct	-15.72	
23 41 33 00-0006 EA 24" x 24" x 6" HEPA Filter, 95% DOP Efficiency, 700 CFM, Complete.....	180.08	21.68
For Removal And Replacement In Existing Equipment, Add	4.34	
For >10 To 25, Deduct	-4.50	
For >25 To 50, Deduct	-9.00	
For >50 To 100, Deduct	-13.51	
For >100, Deduct	-18.01	
23 41 33 00-0007 EA 12" x 12" x 12" HEPA Filter, 95% DOP Efficiency, 250 CFM, Complete.....	123.21	15.48
For Removal And Replacement In Existing Equipment, Add	3.10	
For >10 To 25, Deduct	-3.08	
For >25 To 50, Deduct	-6.16	
For >50 To 100, Deduct	-9.24	
For >100, Deduct	-12.32	
23 41 33 00-0008 EA 24" x 12" x 12" HEPA Filter, 95% DOP Efficiency, 500 CFM, Complete.....	164.88	18.07
For Removal And Replacement In Existing Equipment, Add	3.61	
For >10 To 25, Deduct	-4.12	
For >25 To 50, Deduct	-8.24	
For >50 To 100, Deduct	-12.37	
For >100, Deduct	-16.49	
23 41 33 00-0009 EA 24" x 18" x 12" HEPA Filter, 95% DOP Efficiency, 875 CFM, Complete.....	196.87	20.65
For Removal And Replacement In Existing Equipment, Add	4.13	
For >10 To 25, Deduct	-4.92	
For >25 To 50, Deduct	-9.84	
For >50 To 100, Deduct	-14.77	
For >100, Deduct	-19.69	
23 41 33 00-0010 EA 24" x 24" x 12" HEPA Filter, 95% DOP Efficiency, 1,000 CFM, Complete.....	234.03	25.81
For Removal And Replacement In Existing Equipment, Add	5.16	
For >10 To 25, Deduct	-5.85	
For >25 To 50, Deduct	-11.70	
For >50 To 100, Deduct	-17.55	
For >100, Deduct	-23.40	
23 41 33 00-0011 HEPA Filters DOP Efficiency-99.99% <small>(23 41 33 00-0001)</small>		
23 41 33 00-0012 EA 12" x 12" x 3" HEPA Filter, 99.99% DOP Efficiency, Complete	87.08	12.90
For Removal And Replacement In Existing Equipment, Add	2.58	
For >10 To 25, Deduct	-2.18	
For >25 To 50, Deduct	-4.35	
For >50 To 100, Deduct	-6.53	
For >100, Deduct	-8.71	
23 41 33 00-0013 EA 24" x 12" x 3" HEPA Filter, 99.99% DOP Efficiency, Complete	120.00	15.48
For Removal And Replacement In Existing Equipment, Add	3.10	
For >10 To 25, Deduct	-3.00	
For >25 To 50, Deduct	-6.00	
For >50 To 100, Deduct	-9.00	
For >100, Deduct	-12.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0006 LF 6" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	32.15	10.17
For Aluminum Liner, Add	0.39	
For Stainless Steel Liner, Add	0.53	
For 2" Wall Instead Of 1", Add	4.63	
For 3" To 4" Wall Instead Of 1", Add	8.20	
23 51 16 00-0007 LF 7" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	37.01	10.83
For Aluminum Liner, Add	0.57	
For Stainless Steel Liner, Add	0.78	
For 2" Wall Instead Of 1", Add	5.79	
For 3" To 4" Wall Instead Of 1", Add	10.01	
23 51 16 00-0008 LF 8" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	41.12	11.69
For Aluminum Liner, Add	0.64	
For Stainless Steel Liner, Add	0.87	
For 2" Wall Instead Of 1", Add	6.44	
For 3" To 4" Wall Instead Of 1", Add	11.13	
23 51 16 00-0009 LF 10" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	56.45	12.54
For Aluminum Liner, Add	1.35	
For Stainless Steel Liner, Add	1.84	
For 2" Wall Instead Of 1", Add	10.56	
For 3" To 4" Wall Instead Of 1", Add	17.43	
23 51 16 00-0010 LF 12" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	67.53	13.87
For Aluminum Liner, Add	1.81	
For Stainless Steel Liner, Add	2.47	
For 2" Wall Instead Of 1", Add	13.34	
For 3" To 4" Wall Instead Of 1", Add	21.74	
23 51 16 00-0011 LF 14" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	91.52	14.44
For Aluminum Liner, Add	3.04	
For Stainless Steel Liner, Add	4.15	
For 2" Wall Instead Of 1", Add	20.22	
For 3" To 4" Wall Instead Of 1", Add	32.13	
23 51 16 00-0012 LF 16" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	112.42	15.21
For Aluminum Liner, Add	4.10	
For Stainless Steel Liner, Add	5.59	
For 2" Wall Instead Of 1", Add	26.16	
For 3" To 4" Wall Instead Of 1", Add	41.13	
23 51 16 00-0013 LF 18" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	136.67	15.96
For Aluminum Liner, Add	5.30	
For Stainless Steel Liner, Add	7.23	
For 2" Wall Instead Of 1", Add	32.94	
For 3" To 4" Wall Instead Of 1", Add	51.42	
23 51 16 00-0014 LF 20" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	176.96	25.37
For Aluminum Liner, Add	6.29	
For Stainless Steel Liner, Add	8.58	
For 2" Wall Instead Of 1", Add	40.57	
For 3" To 4" Wall Instead Of 1", Add	63.98	
23 51 16 00-0015 LF 22" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	211.82	26.80
For Aluminum Liner, Add	7.93	
For Stainless Steel Liner, Add	10.81	
For 2" Wall Instead Of 1", Add	50.02	
For 3" To 4" Wall Instead Of 1", Add	78.41	
23 51 16 00-0016 LF 24" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	249.59	28.51
For Aluminum Liner, Add	9.78	
For Stainless Steel Liner, Add	13.33	
For 2" Wall Instead Of 1", Add	60.51	
For 3" To 4" Wall Instead Of 1", Add	94.36	
23 51 16 00-0017 LF 26" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	287.35	29.46
For Aluminum Liner, Add	11.76	
For Stainless Steel Liner, Add	16.04	
For 2" Wall Instead Of 1", Add	71.50	
For 3" To 4" Wall Instead Of 1", Add	110.92	
23 51 16 00-0018 LF 28" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	300.98	30.41
For Aluminum Liner, Add	12.37	
For Stainless Steel Liner, Add	16.87	
For 2" Wall Instead Of 1", Add	75.10	
For 3" To 4" Wall Instead Of 1", Add	116.44	
23 51 16 00-0019 LF 30" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	320.02	32.59
For Aluminum Liner, Add	13.13	
For Stainless Steel Liner, Add	17.90	
For 2" Wall Instead Of 1", Add	79.73	
For 3" To 4" Wall Instead Of 1", Add	123.67	
23 51 16 00-0020 LF 32" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	360.34	33.83
For Aluminum Liner, Add	15.18	
For Stainless Steel Liner, Add	20.70	
For 2" Wall Instead Of 1", Add	91.22	
For 3" To 4" Wall Instead Of 1", Add	141.06	
23 51 16 00-0021 LF 34" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	402.12	35.07
For Aluminum Liner, Add	17.30	
For Stainless Steel Liner, Add	23.59	
For 2" Wall Instead Of 1", Add	103.11	
For 3" To 4" Wall Instead Of 1", Add	159.05	
23 51 16 00-0022 LF 36" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	423.01	36.49
For Aluminum Liner, Add	18.25	
For Stainless Steel Liner, Add	24.89	
For 2" Wall Instead Of 1", Add	108.68	
For 3" To 4" Wall Instead Of 1", Add	167.57	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51	16 00-0040	EA		18" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe 443.56 <i>For Aluminum Liner, Add</i> 19.99 <i>For Stainless Steel Liner, Add</i> 27.26 <i>For 2" Wall Instead Of 1", Add</i> 117.05 <i>For 3" To 4" Wall Instead Of 1", Add</i> 179.58		32.03
23 51	16 00-0041	EA		20" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe 628.65 <i>For Aluminum Liner, Add</i> 27.60 <i>For Stainless Steel Liner, Add</i> 37.64 <i>For 2" Wall Instead Of 1", Add</i> 163.24 <i>For 3" To 4" Wall Instead Of 1", Add</i> 251.20		50.65
23 51	16 00-0042	EA		22" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe 821.00 <i>For Aluminum Liner, Add</i> 37.77 <i>For Stainless Steel Liner, Add</i> 51.51 <i>For 2" Wall Instead Of 1", Add</i> 219.46 <i>For 3" To 4" Wall Instead Of 1", Add</i> 335.90		53.69
23 51	16 00-0043	EA		24" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe 924.56 <i>For Aluminum Liner, Add</i> 43.00 <i>For Stainless Steel Liner, Add</i> 58.64 <i>For 2" Wall Instead Of 1", Add</i> 248.83 <i>For 3" To 4" Wall Instead Of 1", Add</i> 380.38		57.01
23 51	16 00-0044			45 Degree Elbows (23 51 16 00-0001)		
23 51	16 00-0045	EA		3" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe 53.28 <i>For Aluminum Liner, Add</i> 0.61 <i>For Stainless Steel Liner, Add</i> 0.83 <i>For 2" Wall Instead Of 1", Add</i> 7.55 <i>For 3" To 4" Wall Instead Of 1", Add</i> 13.43		16.92
23 51	16 00-0046	EA		4" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe 57.83 <i>For Aluminum Liner, Add</i> 0.72 <i>For Stainless Steel Liner, Add</i> 0.98 <i>For 2" Wall Instead Of 1", Add</i> 8.40 <i>For 3" To 4" Wall Instead Of 1", Add</i> 14.84		17.86
23 51	16 00-0047	EA		5" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe 62.92 <i>For Aluminum Liner, Add</i> 0.85 <i>For Stainless Steel Liner, Add</i> 1.15 <i>For 2" Wall Instead Of 1", Add</i> 9.37 <i>For 3" To 4" Wall Instead Of 1", Add</i> 16.43		19.00
23 51	16 00-0048	EA		6" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe 69.09 <i>For Aluminum Liner, Add</i> 1.01 <i>For Stainless Steel Liner, Add</i> 1.38 <i>For 2" Wall Instead Of 1", Add</i> 10.59 <i>For 3" To 4" Wall Instead Of 1", Add</i> 18.42		20.24
23 51	16 00-0049	EA		7" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe 80.69 <i>For Aluminum Liner, Add</i> 1.45 <i>For Stainless Steel Liner, Add</i> 1.98 <i>For 2" Wall Instead Of 1", Add</i> 13.35 <i>For 3" To 4" Wall Instead Of 1", Add</i> 22.74		21.67
23 51	16 00-0050	EA		8" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe 88.82 <i>For Aluminum Liner, Add</i> 1.67 <i>For Stainless Steel Liner, Add</i> 2.28 <i>For 2" Wall Instead Of 1", Add</i> 14.96 <i>For 3" To 4" Wall Instead Of 1", Add</i> 25.36		23.38
23 51	16 00-0051	EA		10" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe 139.31 <i>For Aluminum Liner, Add</i> 4.18 <i>For Stainless Steel Liner, Add</i> 5.70 <i>For 2" Wall Instead Of 1", Add</i> 29.12 <i>For 3" To 4" Wall Instead Of 1", Add</i> 46.85		25.37
23 51	16 00-0052	EA		12" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe 164.85 <i>For Aluminum Liner, Add</i> 5.27 <i>For Stainless Steel Liner, Add</i> 7.18 <i>For 2" Wall Instead Of 1", Add</i> 35.64 <i>For 3" To 4" Wall Instead Of 1", Add</i> 56.91		27.65
23 51	16 00-0053	EA		14" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe 207.13 <i>For Aluminum Liner, Add</i> 7.41 <i>For Stainless Steel Liner, Add</i> 10.10 <i>For 2" Wall Instead Of 1", Add</i> 47.66 <i>For 3" To 4" Wall Instead Of 1", Add</i> 75.10		28.98
23 51	16 00-0054	EA		16" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe 245.04 <i>For Aluminum Liner, Add</i> 9.30 <i>For Stainless Steel Liner, Add</i> 12.68 <i>For 2" Wall Instead Of 1", Add</i> 58.31 <i>For 3" To 4" Wall Instead Of 1", Add</i> 91.27		30.41
23 51	16 00-0055	EA		18" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe 307.19 <i>For Aluminum Liner, Add</i> 12.49 <i>For Stainless Steel Liner, Add</i> 17.04 <i>For 2" Wall Instead Of 1", Add</i> 76.15 <i>For 3" To 4" Wall Instead Of 1", Add</i> 118.23		32.03
23 51	16 00-0056	EA		20" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe 382.58 <i>For Aluminum Liner, Add</i> 14.09 <i>For Stainless Steel Liner, Add</i> 19.22 <i>For 2" Wall Instead Of 1", Add</i> 89.50 <i>For 3" To 4" Wall Instead Of 1", Add</i> 140.57		50.56

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 51 Breechings, Chimneys, And Stacks



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0057 EA 22" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	519.87	53.69
For Aluminum Liner, Add	21.21	
For Stainless Steel Liner, Add	28.92	
For 2" Wall Instead Of 1", Add	129.12	
For 3" To 4" Wall Instead Of 1", Add	200.39	
23 51 16 00-0058 EA 24" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	631.12	57.01
For Aluminum Liner, Add	26.88	
For Stainless Steel Liner, Add	36.65	
For 2" Wall Instead Of 1", Add	160.85	
For 3" To 4" Wall Instead Of 1", Add	248.39	
23 51 16 00-0059 EA 26" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,111.33	58.91
For Aluminum Liner, Add	53.03	
For Stainless Steel Liner, Add	72.31	
For 2" Wall Instead Of 1", Add	303.96	
For 3" To 4" Wall Instead Of 1", Add	463.30	
23 51 16 00-0060 EA 28" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,142.50	60.82
For Aluminum Liner, Add	54.48	
For Stainless Steel Liner, Add	74.29	
For 2" Wall Instead Of 1", Add	312.36	
For 3" To 4" Wall Instead Of 1", Add	476.14	
23 51 16 00-0061 EA 30" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,204.83	64.62
For Aluminum Liner, Add	57.39	
For Stainless Steel Liner, Add	78.25	
For 2" Wall Instead Of 1", Add	329.16	
For 3" To 4" Wall Instead Of 1", Add	501.81	
23 51 16 00-0062 EA 32" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,341.64	66.52
For Aluminum Liner, Add	64.65	
For Stainless Steel Liner, Add	88.16	
For 2" Wall Instead Of 1", Add	369.25	
For 3" To 4" Wall Instead Of 1", Add	562.19	
23 51 16 00-0063 EA 34" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,463.40	70.32
For Aluminum Liner, Add	70.82	
For Stainless Steel Liner, Add	96.58	
For 2" Wall Instead Of 1", Add	403.88	
For 3" To 4" Wall Instead Of 1", Add	614.61	
23 51 16 00-0064 EA 36" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,510.66	76.03
For Aluminum Liner, Add	72.64	
For Stainless Steel Liner, Add	99.05	
For 2" Wall Instead Of 1", Add	415.21	
For 3" To 4" Wall Instead Of 1", Add	632.31	
23 51 16 00-0065 EA 38" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,616.36	78.68
For Aluminum Liner, Add	78.09	
For Stainless Steel Liner, Add	106.48	
For 2" Wall Instead Of 1", Add	445.59	
For 3" To 4" Wall Instead Of 1", Add	678.22	
23 51 16 00-0066 EA 40" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,718.28	79.82
For Aluminum Liner, Add	83.54	
For Stainless Steel Liner, Add	113.91	
For 2" Wall Instead Of 1", Add	475.60	
For 3" To 4" Wall Instead Of 1", Add	723.37	
23 51 16 00-0067 EA 42" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,793.79	83.62
For Aluminum Liner, Add	87.17	
For Stainless Steel Liner, Add	118.87	
For 2" Wall Instead Of 1", Add	496.35	
For 3" To 4" Wall Instead Of 1", Add	754.98	
23 51 16 00-0068 EA 44" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,902.34	87.42
For Aluminum Liner, Add	92.62	
For Stainless Steel Liner, Add	126.29	
For 2" Wall Instead Of 1", Add	527.02	
For 3" To 4" Wall Instead Of 1", Add	801.45	
23 51 16 00-0069 EA 46" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,043.90	91.22
For Aluminum Liner, Add	99.88	
For Stainless Steel Liner, Add	136.20	
For 2" Wall Instead Of 1", Add	567.59	
For 3" To 4" Wall Instead Of 1", Add	862.78	
23 51 16 00-0070 EA 48" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,119.44	95.03
For Aluminum Liner, Add	103.51	
For Stainless Steel Liner, Add	141.15	
For 2" Wall Instead Of 1", Add	588.35	
For 3" To 4" Wall Instead Of 1", Add	894.40	
23 51 16 00-0071 Tees <small>(23 51 16 00-0001)</small>		
23 51 16 00-0072 EA 3" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	83.47	22.52
For Aluminum Liner, Add	1.49	
For Stainless Steel Liner, Add	2.03	
For 2" Wall Instead Of 1", Add	13.76	
For 3" To 4" Wall Instead Of 1", Add	23.46	
23 51 16 00-0073 EA 4" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	86.84	23.38
For Aluminum Liner, Add	1.56	
For Stainless Steel Liner, Add	2.13	
For 2" Wall Instead Of 1", Add	14.36	
For 3" To 4" Wall Instead Of 1", Add	24.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0074 EA 5" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	90.54	24.32
For Aluminum Liner, Add	1.63	
For Stainless Steel Liner, Add	2.23	
For 2" Wall Instead Of 1", Add	15.00	
For 3" To 4" Wall Instead Of 1", Add	25.54	
23 51 16 00-0075 EA 6" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	96.40	25.37
For Aluminum Liner, Add	1.82	
For Stainless Steel Liner, Add	2.48	
For 2" Wall Instead Of 1", Add	16.24	
For 3" To 4" Wall Instead Of 1", Add	27.54	
23 51 16 00-0076 EA 7" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	111.71	26.41
For Aluminum Liner, Add	2.51	
For Stainless Steel Liner, Add	3.42	
For 2" Wall Instead Of 1", Add	20.29	
For 3" To 4" Wall Instead Of 1", Add	33.73	
23 51 16 00-0077 EA 8" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	119.27	27.65
For Aluminum Liner, Add	2.76	
For Stainless Steel Liner, Add	3.76	
For 2" Wall Instead Of 1", Add	21.97	
For 3" To 4" Wall Instead Of 1", Add	36.40	
23 51 16 00-0078 EA 10" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	208.44	28.98
For Aluminum Liner, Add	7.48	
For Stainless Steel Liner, Add	10.20	
For 2" Wall Instead Of 1", Add	48.05	
For 3" To 4" Wall Instead Of 1", Add	75.70	
23 51 16 00-0079 EA 12" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	239.76	30.41
For Aluminum Liner, Add	9.01	
For Stainless Steel Liner, Add	12.28	
For 2" Wall Instead Of 1", Add	56.73	
For 3" To 4" Wall Instead Of 1", Add	88.89	
23 51 16 00-0080 EA 14" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	351.24	33.83
For Aluminum Liner, Add	14.67	
For Stainless Steel Liner, Add	20.01	
For 2" Wall Instead Of 1", Add	88.48	
For 3" To 4" Wall Instead Of 1", Add	136.95	
23 51 16 00-0081 EA 16" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	472.72	38.01
For Aluminum Liner, Add	20.78	
For Stainless Steel Liner, Add	28.33	
For 2" Wall Instead Of 1", Add	122.82	
For 3" To 4" Wall Instead Of 1", Add	188.98	
23 51 16 00-0082 EA 18" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	584.04	43.42
For Aluminum Liner, Add	26.15	
For Stainless Steel Liner, Add	35.66	
For 2" Wall Instead Of 1", Add	153.50	
For 3" To 4" Wall Instead Of 1", Add	235.67	
23 51 16 00-0083 EA 20" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	774.62	53.69
For Aluminum Liner, Add	35.23	
For Stainless Steel Liner, Add	48.04	
For 2" Wall Instead Of 1", Add	205.57	
For 3" To 4" Wall Instead Of 1", Add	315.06	
23 51 16 00-0084 EA 22" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	974.37	70.13
For Aluminum Liner, Add	43.95	
For Stainless Steel Liner, Add	59.93	
For 2" Wall Instead Of 1", Add	257.25	
For 3" To 4" Wall Instead Of 1", Add	394.63	
23 51 16 00-0085 EA 24" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,116.42	74.12
For Aluminum Liner, Add	51.21	
For Stainless Steel Liner, Add	69.83	
For 2" Wall Instead Of 1", Add	297.86	
For 3" To 4" Wall Instead Of 1", Add	456.06	
23 51 16 00-0086 EA 26" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,520.37	79.82
For Aluminum Liner, Add	72.64	
For Stainless Steel Liner, Add	99.05	
For 2" Wall Instead Of 1", Add	416.18	
For 3" To 4" Wall Instead Of 1", Add	634.26	
23 51 16 00-0087 EA 28" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,693.12	82.96
For Aluminum Liner, Add	81.72	
For Stainless Steel Liner, Add	111.44	
For 2" Wall Instead Of 1", Add	466.48	
For 3" To 4" Wall Instead Of 1", Add	710.08	
23 51 16 00-0088 EA 30" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,836.44	87.42
For Aluminum Liner, Add	88.98	
For Stainless Steel Liner, Add	121.34	
For 2" Wall Instead Of 1", Add	507.22	
For 3" To 4" Wall Instead Of 1", Add	771.76	
23 51 16 00-0089 EA 32" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,110.04	91.22
For Aluminum Liner, Add	103.51	
For Stainless Steel Liner, Add	141.15	
For 2" Wall Instead Of 1", Add	587.41	
For 3" To 4" Wall Instead Of 1", Add	892.52	
23 51 16 00-0090 EA 34" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,152.62	95.03
For Aluminum Liner, Add	105.33	
For Stainless Steel Liner, Add	143.63	
For 2" Wall Instead Of 1", Add	598.27	
For 3" To 4" Wall Instead Of 1", Add	909.29	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 51 Breechings, Chimneys, And Stacks



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0091	EA		36" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,498.77	101.39
			For Aluminum Liner, Add	123.49	
			For Stainless Steel Liner, Add	168.39	
			For 2" Wall Instead Of 1", Add	698.93	
			For 3" To 4" Wall Instead Of 1", Add	1,061.06	
23 51 16 00-0092	EA		38" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,563.45	114.03
			For Aluminum Liner, Add	125.30	
			For Stainless Steel Liner, Add	170.87	
			For 2" Wall Instead Of 1", Add	712.00	
			For 3" To 4" Wall Instead Of 1", Add	1,082.26	
23 51 16 00-0093	EA		40" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,802.25	130.37
			For Aluminum Liner, Add	136.20	
			For Stainless Steel Liner, Add	185.73	
			For 2" Wall Instead Of 1", Add	775.50	
			For 3" To 4" Wall Instead Of 1", Add	1,179.54	
23 51 16 00-0094	EA		42" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,087.60	152.04
			For Aluminum Liner, Add	148.91	
			For Stainless Steel Liner, Add	203.06	
			For 2" Wall Instead Of 1", Add	850.26	
			For 3" To 4" Wall Instead Of 1", Add	1,294.39	
23 51 16 00-0095	EA		44" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,365.89	171.05
			For Aluminum Liner, Add	161.62	
			For Stainless Steel Liner, Add	220.40	
			For 2" Wall Instead Of 1", Add	924.31	
			For 3" To 4" Wall Instead Of 1", Add	1,407.83	
23 51 16 00-0096	EA		46" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,677.37	176.75
			For Aluminum Liner, Add	177.97	
			For Stainless Steel Liner, Add	242.68	
			For 2" Wall Instead Of 1", Add	1,014.90	
			For 3" To 4" Wall Instead Of 1", Add	1,544.42	
23 51 16 00-0097	EA		48" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,889.88	182.45
			For Aluminum Liner, Add	188.86	
			For Stainless Steel Liner, Add	257.54	
			For 2" Wall Instead Of 1", Add	1,075.77	
			For 3" To 4" Wall Instead Of 1", Add	1,636.45	
23 51 16 00-0098			Vent Top Caps (23 51 16 00-0001)		
23 51 16 00-0099	EA		3" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	43.29	13.21
			For Aluminum Liner, Add	0.56	
			For Stainless Steel Liner, Add	0.77	
			For 2" Wall Instead Of 1", Add	6.38	
			For 3" To 4" Wall Instead Of 1", Add	11.22	
23 51 16 00-0100	EA		4" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	45.34	13.87
			For Aluminum Liner, Add	0.59	
			For Stainless Steel Liner, Add	0.81	
			For 2" Wall Instead Of 1", Add	6.69	
			For 3" To 4" Wall Instead Of 1", Add	11.76	
23 51 16 00-0101	EA		6" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	56.70	15.21
			For Aluminum Liner, Add	1.03	
			For Stainless Steel Liner, Add	1.40	
			For 2" Wall Instead Of 1", Add	9.41	
			For 3" To 4" Wall Instead Of 1", Add	16.01	
23 51 16 00-0102	EA		8" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	60.88	16.92
			For Aluminum Liner, Add	1.03	
			For Stainless Steel Liner, Add	1.40	
			For 2" Wall Instead Of 1", Add	9.83	
			For 3" To 4" Wall Instead Of 1", Add	16.85	
23 51 16 00-0103	EA		10" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	72.20	17.86
			For Aluminum Liner, Add	1.51	
			For Stainless Steel Liner, Add	2.07	
			For 2" Wall Instead Of 1", Add	12.73	
			For 3" To 4" Wall Instead Of 1", Add	21.33	
23 51 16 00-0104	EA		12" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	83.84	19.00
			For Aluminum Liner, Add	2.00	
			For Stainless Steel Liner, Add	2.72	
			For 2" Wall Instead Of 1", Add	15.65	
			For 3" To 4" Wall Instead Of 1", Add	25.85	
23 51 16 00-0105	EA		16" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	181.72	21.67
			For Aluminum Liner, Add	7.01	
			For Stainless Steel Liner, Add	9.56	
			For 2" Wall Instead Of 1", Add	43.66	
			For 3" To 4" Wall Instead Of 1", Add	68.21	
23 51 16 00-0106	EA		18" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	329.36	27.18
			For Aluminum Liner, Add	14.38	
			For Stainless Steel Liner, Add	19.61	
			For 2" Wall Instead Of 1", Add	85.24	
			For 3" To 4" Wall Instead Of 1", Add	131.25	
23 51 16 00-0107	EA		20" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	596.52	32.59
			For Aluminum Liner, Add	28.33	
			For Stainless Steel Liner, Add	38.63	
			For 2" Wall Instead Of 1", Add	162.67	
			For 3" To 4" Wall Instead Of 1", Add	248.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0108 EA 24" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe <i>For Aluminum Liner, Add</i> <i>For Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	985.73 47.94 65.38 272.91 415.07	45.62
23 51 16 00-0109 EA 26" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe <i>For Aluminum Liner, Add</i> <i>For Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	1,440.71 72.64 99.05 408.22 618.32	47.99
23 51 16 00-0110 EA 28" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe <i>For Aluminum Liner, Add</i> <i>For Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	1,612.52 81.72 111.44 458.42 693.96	50.65
23 51 16 00-0111 EA 30" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe <i>For Aluminum Liner, Add</i> <i>For Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	1,818.15 92.62 126.29 518.60 784.61	53.69
23 51 16 00-0112 EA 32" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe <i>For Aluminum Liner, Add</i> <i>For Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	1,925.58 98.06 133.72 549.15 830.86	57.01
23 51 16 00-0113 EA 34" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe <i>For Aluminum Liner, Add</i> <i>For Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	2,034.13 103.51 141.15 579.82 877.34	60.82
23 51 16 00-0114 EA 36" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe <i>For Aluminum Liner, Add</i> <i>For Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	2,176.93 110.78 151.06 620.52 938.91	65.19
23 51 16 00-0115 Wall Thimbles <small>(23 51 16 00-0001)</small>		
23 51 16 00-0116 EA 3" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe <i>For Aluminum Liner, Add</i> <i>For Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	18.93 0.06 0.09 2.13 4.08	7.13
23 51 16 00-0117 EA 4" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe <i>For Aluminum Liner, Add</i> <i>For Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	24.10 0.07 0.09 2.65 5.12	9.12
23 51 16 00-0118 EA 5" Or 6" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe <i>For Aluminum Liner, Add</i> <i>For Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	32.13 0.08 0.11 3.51 6.80	12.26
23 51 16 00-0119 EA 7" Or 8" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe <i>For Aluminum Liner, Add</i> <i>For Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	40.11 0.12 0.16 4.43 8.55	15.21
23 51 16 00-0120 EA 10" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe <i>For Aluminum Liner, Add</i> <i>For Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	56.72 0.30 0.41 6.75 12.70	20.53
23 51 16 00-0121 EA 12" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe <i>For Aluminum Liner, Add</i> <i>For Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	71.33 0.42 0.57 8.67 16.18	25.47
23 51 16 00-0122 EA 14" Or 16" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe <i>For Aluminum Liner, Add</i> <i>For Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	89.01 0.71 0.97 11.50 21.05	30.41
23 51 16 00-0123 EA 18" Or 20" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe <i>For Aluminum Liner, Add</i> <i>For Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	113.52 1.28 1.74 16.00 28.51	36.11
23 51 16 00-0124 EA 22" Or 24" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe <i>For Aluminum Liner, Add</i> <i>For Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	146.49 2.57 3.50 23.99 40.98	39.91

23 51 16 00-0125 Adjustable Roof Flashing (23 51 16 00-0001)

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0126 EA 3" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	49.79	16.92
For Aluminum Liner, Add	0.42	
For Stainless Steel Liner, Add	0.57	
For 2" Wall Instead Of 1", Add	6.50	
For 3" To 4" Wall Instead Of 1", Add	11.86	
23 51 16 00-0127 EA 4" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	54.52	17.86
For Aluminum Liner, Add	0.54	
For Stainless Steel Liner, Add	0.73	
For 2" Wall Instead Of 1", Add	7.41	
For 3" To 4" Wall Instead Of 1", Add	13.35	
23 51 16 00-0128 EA 6" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	67.03	20.24
For Aluminum Liner, Add	0.90	
For Stainless Steel Liner, Add	1.23	
For 2" Wall Instead Of 1", Add	9.98	
For 3" To 4" Wall Instead Of 1", Add	17.50	
23 51 16 00-0129 EA 8" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	80.83	23.38
For Aluminum Liner, Add	1.23	
For Stainless Steel Liner, Add	1.68	
For 2" Wall Instead Of 1", Add	12.56	
For 3" To 4" Wall Instead Of 1", Add	21.76	
23 51 16 00-0130 EA 10" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	124.79	25.37
For Aluminum Liner, Add	3.38	
For Stainless Steel Liner, Add	4.61	
For 2" Wall Instead Of 1", Add	24.76	
For 3" To 4" Wall Instead Of 1", Add	40.31	
23 51 16 00-0131 EA 12" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	147.00	27.65
For Aluminum Liner, Add	4.29	
For Stainless Steel Liner, Add	5.84	
For 2" Wall Instead Of 1", Add	30.28	
For 3" To 4" Wall Instead Of 1", Add	48.88	
23 51 16 00-0132 EA 14" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	171.78	30.41
For Aluminum Liner, Add	5.27	
For Stainless Steel Liner, Add	7.18	
For 2" Wall Instead Of 1", Add	36.33	
For 3" To 4" Wall Instead Of 1", Add	58.29	
23 51 16 00-0133 EA 16" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	203.45	33.83
For Aluminum Liner, Add	6.54	
For Stainless Steel Liner, Add	8.92	
For 2" Wall Instead Of 1", Add	44.12	
For 3" To 4" Wall Instead Of 1", Add	70.41	
23 51 16 00-0134 EA 18" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	299.78	38.01
For Aluminum Liner, Add	11.26	
For Stainless Steel Liner, Add	15.35	
For 2" Wall Instead Of 1", Add	70.92	
For 3" To 4" Wall Instead Of 1", Add	111.13	
23 51 16 00-0135 EA 20" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	335.38	50.65
For Aluminum Liner, Add	11.48	
For Stainless Steel Liner, Add	15.65	
For 2" Wall Instead Of 1", Add	75.27	
For 3" To 4" Wall Instead Of 1", Add	119.25	
23 51 16 00-0136 EA 22" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	427.09	65.19
For Aluminum Liner, Add	14.53	
For Stainless Steel Liner, Add	19.81	
For 2" Wall Instead Of 1", Add	95.54	
For 3" To 4" Wall Instead Of 1", Add	151.46	
23 51 16 00-0137 EA 24" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	507.02	76.03
For Aluminum Liner, Add	17.43	
For Stainless Steel Liner, Add	23.77	
For 2" Wall Instead Of 1", Add	114.10	
For 3" To 4" Wall Instead Of 1", Add	180.65	
23 51 16 00-0138 Galvanized Storm Collars <small>(23 51 16 00-0001)</small>		
23 51 16 00-0139 EA 3" Round Galvanized Storm Collar, Double Wall	19.95	7.13
For Aluminum Liner, Add	0.12	
For Stainless Steel Liner, Add	0.16	
For 2" Wall Instead Of 1", Add	2.43	
For 3" To 4" Wall Instead Of 1", Add	4.54	
23 51 16 00-0140 EA 4" Round Galvanized Storm Collar, Double Wall	25.32	9.12
For Aluminum Liner, Add	0.14	
For Stainless Steel Liner, Add	0.19	
For 2" Wall Instead Of 1", Add	3.04	
For 3" To 4" Wall Instead Of 1", Add	5.69	
23 51 16 00-0141 EA 5" Round Galvanized Storm Collar, Double Wall	29.74	10.64
For Aluminum Liner, Add	0.17	
For Stainless Steel Liner, Add	0.23	
For 2" Wall Instead Of 1", Add	3.60	
For 3" To 4" Wall Instead Of 1", Add	6.73	
23 51 16 00-0142 EA 6" Round Galvanized Storm Collar, Double Wall	34.17	12.16
For Aluminum Liner, Add	0.21	
For Stainless Steel Liner, Add	0.28	
For 2" Wall Instead Of 1", Add	4.17	
For 3" To 4" Wall Instead Of 1", Add	7.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0143 EA 7" Or 8" Round Galvanized Storm Collar, Double Wall.....	43.01	15.21
<i>For Aluminum Liner, Add</i>	0.28	
<i>For Stainless Steel Liner, Add</i>	0.38	
<i>For 2" Wall Instead Of 1", Add</i>	5.30	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	9.85	
23 51 16 00-0144 EA 10" Round Galvanized Storm Collar, Double Wall.....	59.16	20.53
<i>For Aluminum Liner, Add</i>	0.43	
<i>For Stainless Steel Liner, Add</i>	0.59	
<i>For 2" Wall Instead Of 1", Add</i>	7.48	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	13.79	
23 51 16 00-0145 EA 12" Round Galvanized Storm Collar, Double Wall.....	73.09	25.47
<i>For Aluminum Liner, Add</i>	0.52	
<i>For Stainless Steel Liner, Add</i>	0.71	
<i>For 2" Wall Instead Of 1", Add</i>	9.19	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	16.97	
23 51 16 00-0146 EA 14" Or 16" Round Galvanized Storm Collar, Double Wall.....	92.00	30.41
<i>For Aluminum Liner, Add</i>	0.88	
<i>For Stainless Steel Liner, Add</i>	1.20	
<i>For 2" Wall Instead Of 1", Add</i>	12.40	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	22.40	
23 51 16 00-0147 EA 18" Or 20" Round Galvanized Storm Collar, Double Wall.....	119.20	36.11
<i>For Aluminum Liner, Add</i>	1.59	
<i>For Stainless Steel Liner, Add</i>	2.17	
<i>For 2" Wall Instead Of 1", Add</i>	17.71	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	31.07	
23 51 16 00-0148 EA 22" Or 24" Round Galvanized Storm Collar, Double Wall.....	160.73	39.91
<i>For Aluminum Liner, Add</i>	3.35	
<i>For Stainless Steel Liner, Add</i>	4.57	
<i>For 2" Wall Instead Of 1", Add</i>	28.27	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	47.39	
23 51 16 00-0149 Oval Galvanized Double Wall Flue/Vent Pipe And Fittings (23 51 16)		
23 51 16 00-0150 Oval Galvanized Double Wall Flue/Vent Pipe (23 51 16 00-0149)		
23 51 16 00-0151 LF 4" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	31.80	8.93
<i>For 2" Wall Instead Of 1", Add</i>	5.07	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	8.73	
23 51 16 00-0152 LF 5" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	34.82	9.51
<i>For 2" Wall Instead Of 1", Add</i>	5.73	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	9.77	
23 51 16 00-0153 LF 6" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	38.40	10.17
<i>For 2" Wall Instead Of 1", Add</i>	6.45	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	10.94	
23 51 16 00-0154 45 Degree Elbows (23 51 16 00-0149)		
23 51 16 00-0155 EA 4" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	69.04	18.53
<i>For 2" Wall Instead Of 1", Add</i>	11.44	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	19.48	
23 51 16 00-0156 EA 5" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	80.58	21.67
<i>For 2" Wall Instead Of 1", Add</i>	13.34	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	22.72	
23 51 16 00-0157 EA 6" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	95.18	24.51
<i>For 2" Wall Instead Of 1", Add</i>	16.29	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	27.50	
23 51 16 00-0158 EA 4" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	70.17	18.53
<i>For 2" Wall Instead Of 1", Add</i>	11.78	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	19.99	
23 51 16 00-0159 EA 5" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	83.34	21.67
<i>For 2" Wall Instead Of 1", Add</i>	14.17	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	23.96	
23 51 16 00-0160 EA 6" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	96.96	24.51
<i>For 2" Wall Instead Of 1", Add</i>	16.83	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	28.30	
23 51 16 00-0161 Tees (23 51 16 00-0149)		
23 51 16 00-0162 EA 4" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe.....	113.66	28.12
<i>For 2" Wall Instead Of 1", Add</i>	20.02	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	33.55	
23 51 16 00-0163 EA 4" Short Snout Oval Flue/Vent Tee, Galvanized Double Wall Breech/Smoke Pipe.....	115.44	28.12
<i>For 2" Wall Instead Of 1", Add</i>	20.55	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	34.35	
23 51 16 00-0164 EA 5" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe.....	132.63	32.31
<i>For 2" Wall Instead Of 1", Add</i>	23.64	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	39.49	
23 51 16 00-0165 EA 6" Oval Flue/Vent Tee With Round Coupling, Galvanized Double Wall Breech/Smoke Pipe.....	151.27	36.20
<i>For 2" Wall Instead Of 1", Add</i>	27.28	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	45.45	
23 51 16 00-0166 Tops/Caps And Adjustable Flashing (23 51 16 00-0149)		

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 51 Breechings, Chimneys, And Stacks



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51	16 00-0167	EA	4" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	42.50 8.17 13.40	9.12
23 51	16 00-0168	EA	6" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	65.09 13.40 21.63	12.26
23 51	16 00-0169	EA	4" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	35.53 6.08 10.27	9.12
23 51	16 00-0170	EA	6" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	58.52 11.43 18.67	12.26
23 51 16 00-0171 Storm Collars <small>(23 51 16 00-0149)</small>					
23 51	16 00-0172	EA	4" Oval Galvanized Storm Collar, Double Wall <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	25.32 3.04 5.69	9.12
23 51	16 00-0173	EA	5" Oval Galvanized Storm Collar, Double Wall <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	29.74 3.60 6.73	10.64
23 51	16 00-0174	EA	6" Oval Galvanized Storm Collar, Double Wall <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	34.17 4.17 7.77	12.16
23 51 16 00-0175 Round Double Wall Flue/Vent Pipe And Fittings <small>(23 51 16)</small> Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.					
23 51 16 00-0176 Round Double Wall Flue/Vent Pipe <small>(23 51 16 00-0175)</small> Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.					
23 51	16 00-0177	LF	6" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	86.13 9.72 6.08 12.15	10.17
23 51	16 00-0178	LF	8" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	103.42 11.86 7.42 14.83	11.69
23 51	16 00-0179	LF	10" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	114.72 13.29 8.31 16.62	12.63
23 51	16 00-0180	LF	12" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	129.25 15.15 9.47 18.94	13.78
23 51	16 00-0181	LF	14" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	145.21 17.44 10.90 21.80	14.44
23 51	16 00-0182	LF	16" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	153.33 18.44 11.53 23.05	15.21
23 51	16 00-0183	LF	18" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	169.59 20.73 12.95 25.91	16.06
23 51	16 00-0184	LF	20" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	211.69 23.73 14.83 29.66	25.37
23 51	16 00-0185	LF	24" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	262.48 30.59 19.12 38.24	28.51
23 51	16 00-0186	LF	28" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	295.76 35.16 21.98 43.96	30.41
23 51	16 00-0187	LF	32" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	330.96 39.45 24.66 49.32	33.74



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Central Heating Equipment	23 50
Breechings, Chimneys, And Stacks	23 51

23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51	16 00-0188	LF	36" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	368.07	36.49
			<i>For 316 Stainless Steel, Add</i>	44.31	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	27.70	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	55.39	
23 51	16 00-0189	LF	42" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	420.17	41.52
			<i>For 316 Stainless Steel, Add</i>	50.60	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	31.63	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	63.25	
23 51	16 00-0190	LF	48" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	491.87	48.08
			<i>For 316 Stainless Steel, Add</i>	59.47	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	37.17	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	74.33	
23 51 16 00-0191			90 Degree Elbows <small>(23 51 16 00-0175)</small>		
23 51	16 00-0192	EA	6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	397.33	21.00
			<i>For 316 Stainless Steel, Add</i>	68.97	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	34.49	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	68.97	
23 51	16 00-0193	EA	8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	439.02	23.38
			<i>For 316 Stainless Steel, Add</i>	76.12	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	38.06	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	76.12	
23 51	16 00-0194	EA	10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	499.39	25.37
			<i>For 316 Stainless Steel, Add</i>	87.20	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	43.60	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	87.20	
23 51	16 00-0195	EA	12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	564.04	27.65
			<i>For 316 Stainless Steel, Add</i>	98.99	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	49.50	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	98.99	
23 51	16 00-0196	EA	14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	653.13	28.98
			<i>For 316 Stainless Steel, Add</i>	116.14	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	58.07	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	116.14	
23 51	16 00-0197	EA	16" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	719.26	30.41
			<i>For 316 Stainless Steel, Add</i>	128.65	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	64.33	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	128.65	
23 51	16 00-0198	EA	18" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	830.46	32.03
			<i>For 316 Stainless Steel, Add</i>	150.09	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	75.05	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	150.09	
23 51	16 00-0199	EA	20" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	966.51	50.65
			<i>For 316 Stainless Steel, Add</i>	167.96	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	83.98	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	167.96	
23 51	16 00-0200	EA	24" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,187.81	57.01
			<i>For 316 Stainless Steel, Add</i>	209.06	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	104.53	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	209.06	
23 51	16 00-0201	EA	28" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,438.54	60.82
			<i>For 316 Stainless Steel, Add</i>	257.30	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	128.65	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	257.30	
23 51	16 00-0202	EA	32" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,896.05	65.09
			<i>For 316 Stainless Steel, Add</i>	346.64	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	173.32	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	346.64	
23 51	16 00-0203	EA	36" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,155.54	76.03
			<i>For 316 Stainless Steel, Add</i>	393.10	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	196.55	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	393.10	
23 51	16 00-0204	EA	42" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,155.52	82.96
			<i>For 316 Stainless Steel, Add</i>	589.65	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	294.82	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	589.65	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0205	EA		48" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,935.69	91.22
			<i>For 316 Stainless Steel, Add</i>	741.53	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	370.76	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	741.53	
23 51 16 00-0206			45 Degree Elbows <small>(23 51 16 00-0175)</small>		
23 51 16 00-0207	EA		6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	266.85	20.24
			<i>For 316 Stainless Steel, Add</i>	43.24	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	21.62	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	43.24	
23 51 16 00-0208	EA		8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	305.01	23.38
			<i>For 316 Stainless Steel, Add</i>	49.32	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	24.66	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	49.32	
23 51 16 00-0209	EA		10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	338.56	25.37
			<i>For 316 Stainless Steel, Add</i>	55.03	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	27.52	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	55.03	
23 51 16 00-0210	EA		12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	385.36	27.65
			<i>For 316 Stainless Steel, Add</i>	63.25	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	31.63	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	63.25	
23 51 16 00-0211	EA		14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	433.35	28.98
			<i>For 316 Stainless Steel, Add</i>	72.19	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	36.09	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	72.19	
23 51 16 00-0212	EA		16" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	485.19	30.41
			<i>For 316 Stainless Steel, Add</i>	81.84	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	40.92	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	81.84	
23 51 16 00-0213	EA		18" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	542.78	32.03
			<i>For 316 Stainless Steel, Add</i>	92.56	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	46.28	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	92.56	
23 51 16 00-0214	EA		20" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	655.61	50.65
			<i>For 316 Stainless Steel, Add</i>	105.78	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	52.89	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	105.78	
23 51 16 00-0215	EA		24" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	821.53	57.01
			<i>For 316 Stainless Steel, Add</i>	135.80	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	67.90	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	135.80	
23 51 16 00-0216	EA		28" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	920.37	60.82
			<i>For 316 Stainless Steel, Add</i>	153.67	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	76.83	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	153.67	
23 51 16 00-0217	EA		32" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,190.26	65.09
			<i>For 316 Stainless Steel, Add</i>	205.48	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	102.74	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	205.48	
23 51 16 00-0218	EA		36" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,574.83	76.03
			<i>For 316 Stainless Steel, Add</i>	276.96	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	138.48	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	276.96	
23 51 16 00-0219	EA		42" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,083.43	82.96
			<i>For 316 Stainless Steel, Add</i>	375.23	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	187.62	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	375.23	
23 51 16 00-0220	EA		48" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,774.29	91.22
			<i>For 316 Stainless Steel, Add</i>	509.24	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	254.62	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	509.24	

23 51 16 00-0221 Tees (23 51 16 00-0175)



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Central Heating Equipment	23 50
Breechings, Chimneys, And Stacks	23 51

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0222 EA 6" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	290.34	25.37
<i>For 316 Stainless Steel, Add</i>	49.92	
<i>For Tee Cap, Add</i>	67.58	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	22.69	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	45.39	
23 51 16 00-0223 EA 8" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	329.96	27.65
<i>For 316 Stainless Steel, Add</i>	57.39	
<i>For Tee Cap, Add</i>	76.36	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	26.09	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	52.17	
23 51 16 00-0224 EA 10" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	377.93	28.98
<i>For 316 Stainless Steel, Add</i>	67.22	
<i>For Tee Cap, Add</i>	86.44	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	30.55	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	61.11	
23 51 16 00-0225 EA 12" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	433.36	30.41
<i>For 316 Stainless Steel, Add</i>	78.62	
<i>For Tee Cap, Add</i>	98.07	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	35.74	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	71.47	
23 51 16 00-0226 EA 14" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	506.16	33.83
<i>For 316 Stainless Steel, Add</i>	92.77	
<i>For Tee Cap, Add</i>	113.90	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	42.17	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	84.34	
23 51 16 00-0227 EA 16" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	568.48	38.01
<i>For 316 Stainless Steel, Add</i>	104.17	
<i>For Tee Cap, Add</i>	127.94	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	47.35	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	94.70	
23 51 16 00-0228 EA 18" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	662.43	43.42
<i>For 316 Stainless Steel, Add</i>	121.86	
<i>For Tee Cap, Add</i>	148.76	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	55.39	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	110.78	
23 51 16 00-0229 EA 20" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	759.53	53.69
<i>For 316 Stainless Steel, Add</i>	137.58	
<i>For Tee Cap, Add</i>	172.03	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	62.54	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	125.08	
23 51 16 00-0230 EA 24" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	967.31	76.03
<i>For 316 Stainless Steel, Add</i>	171.00	
<i>For Tee Cap, Add</i>	221.97	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	77.73	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	155.45	
23 51 16 00-0231 EA 28" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,172.16	82.96
<i>For 316 Stainless Steel, Add</i>	212.27	
<i>For Tee Cap, Add</i>	265.52	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	96.49	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	192.98	
23 51 16 00-0232 EA 32" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,550.30	91.22
<i>For 316 Stainless Steel, Add</i>	290.89	
<i>For Tee Cap, Add</i>	344.27	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	132.22	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	264.45	
23 51 16 00-0233 EA 36" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,727.65	101.39
<i>For 316 Stainless Steel, Add</i>	324.31	
<i>For Tee Cap, Add</i>	383.56	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	147.41	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	294.82	
23 51 16 00-0234 EA 42" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,747.64	152.04
<i>For 316 Stainless Steel, Add</i>	520.86	
<i>For Tee Cap, Add</i>	606.54	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	236.75	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	473.51	
23 51 16 00-0235 EA 48" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,449.06	182.45
<i>For 316 Stainless Steel, Add</i>	658.44	
<i>For Tee Cap, Add</i>	758.23	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	299.29	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	598.58	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0236			Bellows <small>(23 51 16 00-0175)</small>		
23 51 16 00-0237	EA		6" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	540.24	20.24
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	48.96	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	97.92	
23 51 16 00-0238	EA		8" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	589.11	23.38
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	53.07	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	106.14	
23 51 16 00-0239	EA		10" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	644.12	25.37
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	58.07	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	116.14	
23 51 16 00-0240	EA		12" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	712.34	27.65
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	64.33	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	128.65	
23 51 16 00-0241	EA		14" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	796.07	28.98
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	72.37	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	144.73	
23 51 16 00-0242	EA		16" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	880.08	30.41
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	80.41	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	160.81	
23 51 16 00-0243	EA		18" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	982.34	32.03
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	90.23	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	180.47	
23 51 16 00-0244	EA		20" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,145.17	50.65
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	101.85	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	203.70	
23 51 16 00-0245	EA		24" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,411.19	57.01
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	126.86	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	253.73	
23 51 16 00-0246	EA		28" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,581.51	60.82
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	142.95	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	285.89	
23 51 16 00-0247	EA		32" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,806.81	65.19
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	164.39	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	328.77	
23 51 16 00-0248	EA		36" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,066.22	76.03
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	187.62	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	375.23	
23 51 16 00-0249	EA		42" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,619.50	82.96
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	241.22	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	482.44	
23 51 16 00-0250	EA		48" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,176.32	91.22
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	294.82	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	589.65	
23 51 16 00-0251			Ventilated Roof Thimbles <small>(23 51 16 00-0175)</small>		
23 51 16 00-0252	EA		6" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	362.23	23.38
			<i>For 316 Stainless Steel, Add</i>	30.38	
23 51 16 00-0253	EA		8" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	394.29	27.65
			<i>For 316 Stainless Steel, Add</i>	32.52	
23 51 16 00-0254	EA		10" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	431.57	30.41
			<i>For 316 Stainless Steel, Add</i>	35.56	
23 51 16 00-0255	EA		12" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	466.91	33.83
			<i>For 316 Stainless Steel, Add</i>	38.24	
23 51 16 00-0256	EA		14" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	591.54	35.83
			<i>For 316 Stainless Steel, Add</i>	50.21	
23 51 16 00-0257	EA		16" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	530.99	38.01
			<i>For 316 Stainless Steel, Add</i>	43.60	
23 51 16 00-0258	EA		18" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	571.33	40.58
			<i>For 316 Stainless Steel, Add</i>	46.99	
23 51 16 00-0259	EA		20" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	646.43	57.01
			<i>For 316 Stainless Steel, Add</i>	50.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0260 EA 24" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	725.57	65.09
<i>For 316 Stainless Steel, Add</i>	56.29	
23 51 16 00-0261 EA 28" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	827.52	70.13
<i>For 316 Stainless Steel, Add</i>	65.22	
23 51 16 00-0262 EA 32" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	922.52	75.92
<i>For 316 Stainless Steel, Add</i>	73.26	
23 51 16 00-0263 EA 36" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,031.99	91.13
<i>For 316 Stainless Steel, Add</i>	80.41	
23 51 16 00-0264 EA 42" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,316.44	101.29
<i>For 316 Stainless Steel, Add</i>	106.32	
23 51 16 00-0265 EA 48" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,625.00	113.94
<i>For 316 Stainless Steel, Add</i>	134.01	
23 51 16 00-0266 Exit Cones <small>(23 51 16 00-0175)</small>		
23 51 16 00-0267 EA 6" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	249.29	13.21
23 51 16 00-0268 EA 8" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	263.14	14.44
23 51 16 00-0269 EA 10" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	282.79	15.21
23 51 16 00-0270 EA 12" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	295.51	15.96
23 51 16 00-0271 EA 14" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	325.18	16.44
23 51 16 00-0272 EA 16" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	354.85	16.82
23 51 16 00-0273 EA 18" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	429.35	17.39
23 51 16 00-0274 EA 20" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	540.67	32.59
23 51 16 00-0275 EA 24" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	677.35	35.07
23 51 16 00-0276 EA 28" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	805.95	36.49
23 51 16 00-0277 EA 32" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	988.45	38.01
23 51 16 00-0278 EA 36" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,122.18	41.52
23 51 16 00-0279 EA 42" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,413.01	43.42
23 51 16 00-0280 EA 48" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,802.59	45.62
23 51 16 00-0281 Vent Top Caps <small>(23 51 16 00-0175)</small>		
23 51 16 00-0282 EA 6" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	272.44	13.21
23 51 16 00-0283 EA 8" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	314.95	14.44
23 51 16 00-0284 EA 10" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	364.97	15.21
23 51 16 00-0285 EA 12" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	418.78	15.96
23 51 16 00-0286 EA 14" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	487.74	16.44
23 51 16 00-0287 EA 16" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	553.24	16.92
23 51 16 00-0288 EA 18" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	615.21	17.39
23 51 16 00-0289 EA 20" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	742.50	32.59
23 51 16 00-0290 EA 24" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	882.82	35.07
23 51 16 00-0291 EA 28" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	957.77	36.49
23 51 16 00-0292 EA 32" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,086.66	38.01
23 51 16 00-0293 EA 36" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,265.02	41.43
23 51 16 00-0294 EA 42" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,538.02	43.42
23 51 16 00-0295 EA 48" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,784.65	45.62
23 51 16 00-0296 Roof Support Assemblies <small>(23 51 16 00-0175)</small>		

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 51 Breechings, Chimneys, And Stacks



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0297	EA		6" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	412.74 70.40	24.32
23 51 16 00-0298	EA		8" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	456.57 76.83	28.98
23 51 16 00-0299	EA		10" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	501.65 84.34	32.03
23 51 16 00-0300	EA		12" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	536.07 89.34	35.73
23 51 16 00-0301	EA		14" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	597.12 100.42	38.01
23 51 16 00-0302	EA		16" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	633.84 106.49	40.58
23 51 16 00-0303	EA		18" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	680.48 114.36	43.52
23 51 16 00-0304	EA		20" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	759.56 121.50	60.82
23 51 16 00-0305	EA		24" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	854.45 135.80	70.22
23 51 16 00-0306	EA		28" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	985.18 159.03	76.03
23 51 16 00-0307	EA		32" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	1,172.18 192.98	82.96
23 51 16 00-0308	EA		36" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	1,361.35 221.56	101.39
23 51 16 00-0309	EA		42" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	2,018.27 346.64	114.03
23 51 16 00-0310	EA		48" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	2,468.27 428.83	129.62
23 51 16 00-0311			Round Stainless Steel Double Wall Flue/Vent Pipe And Fittings <small>(23 51 16)</small> Note: With 1" insulation.		
23 51 16 00-0312			Round Stainless Steel Double Wall Flue/Vent Pipe <small>(23 51 16 00-0311)</small> Note: With 1" insulation.		
23 51 16 00-0313	LF		6" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	75.42 5.00 10.01	10.17
23 51 16 00-0314	LF		7" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	91.50 6.43 12.87	10.83
23 51 16 00-0315	LF		8" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	104.32 7.51 15.01	11.69
23 51 16 00-0316	LF		10" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	140.59 10.90 21.80	12.63
23 51 16 00-0317	LF		12" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	181.11 14.65 29.30	13.87
23 51 16 00-0318	LF		14" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	229.27 19.30 38.60	14.54
23 51 16 00-0319			90 Degree Elbows <small>(23 51 16 00-0311)</small>		
23 51 16 00-0320	EA		6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	162.37 11.17 22.34	20.24
23 51 16 00-0321	EA		7" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	179.34 12.51 25.02	21.67
23 51 16 00-0322	EA		8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	201.41 14.29 28.59	23.38
23 51 16 00-0323	EA		10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	249.22 18.58 37.17	25.37
23 51 16 00-0324	EA		12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	296.03 22.69 45.39	27.65



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0325 EA 14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	343.97 27.16 54.32	28.98
23 51 16 00-0326 45 Degree Elbows <small>(23 51 16 00-0311)</small>		
23 51 16 00-0327 EA 6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	134.45 8.38 16.75	20.24
23 51 16 00-0328 EA 7" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	148.06 9.38 18.76	21.67
23 51 16 00-0329 EA 8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	165.69 10.72 21.44	23.38
23 51 16 00-0330 EA 10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	202.75 13.94 27.87	25.37
23 51 16 00-0331 EA 12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	239.27 17.02 34.04	27.65
23 51 16 00-0332 EA 14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	276.11 20.37 40.74	28.98
23 51 16 00-0333 Tees With Tee Caps <small>(23 51 16 00-0311)</small>		
23 51 16 00-0334 EA 6" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	261.48 21.08 42.17	20.24
23 51 16 00-0335 EA 7" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	329.43 27.52 55.03	21.67
23 51 16 00-0336 EA 8" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	369.35 31.09 62.18	23.38
23 51 16 00-0337 EA 10" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	501.09 43.78 87.55	25.37
23 51 16 00-0338 EA 12" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	685.51 61.65 123.29	27.65
23 51 16 00-0339 EA 14" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	876.41 80.41 160.81	28.98
23 51 16 00-0340 Joist Shields <small>(23 51 16 00-0311)</small>		
23 51 16 00-0341 EA 6" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	114.99	20.24
23 51 16 00-0342 EA 7" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	123.95	21.67
23 51 16 00-0343 EA 8" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	144.21	23.38
23 51 16 00-0344 EA 10" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	178.67	25.37
23 51 16 00-0345 EA 12" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	212.92	27.65
23 51 16 00-0346 EA 14" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	251.05	28.98
23 51 16 00-0347 Adjustable Roof Flashing <small>(23 51 16 00-0311)</small>		
23 51 16 00-0348 EA 6" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	135.52	20.24
23 51 16 00-0349 EA 7" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	150.74	21.67
23 51 16 00-0350 EA 8" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	163.85	23.38
23 51 16 00-0351 EA 10" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	198.30	25.37
23 51 16 00-0352 EA 12" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	243.36	27.65
23 51 16 00-0353 EA 14" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	290.32	28.98
23 51 16 00-0354 Vent Top Caps <small>(23 51 16 00-0311)</small>		
23 51 16 00-0355 EA 6" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	122.13	20.24
23 51 16 00-0356 EA 7" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	151.63	21.67
23 51 16 00-0357 EA 8" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	188.88	23.38
23 51 16 00-0358 EA 10" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	297.50	25.37
23 51 16 00-0359 EA 12" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	403.26	27.65
23 51 16 00-0360 EA 14" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	511.94	28.98
23 51 16 00-0361 Roof Support Assemblies <small>(23 51 16 00-0311)</small>		
23 51 16 00-0362 EA 6" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	178.34	20.24
23 51 16 00-0363 EA 7" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	198.09	21.67
23 51 16 00-0364 EA 8" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	214.77	23.38
23 51 16 00-0365 EA 10" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	268.82	25.37
23 51 16 00-0366 EA 12" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	317.46	27.65
23 51 16 00-0367 EA 14" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	386.87	28.98

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0368			Polyvinyl Chloride (PVC) Flue/Vent Accessories (23 51 16)		
23 51 16 00-0369			Concentric Polyvinyl Chloride (PVC) Vent Termination (23 51 16 00-0368)		
23 51 16 00-0370	EA		2" Concentric Polyvinyl Chloride (PVC) Vent Termination.....	158.88	38.71
23 51 16 00-0371	EA		3" Concentric Polyvinyl Chloride (PVC) Vent Termination.....	170.52	38.71
23 51 16 00-0372			Polypropylene (PP) Flue/Vent Pipe And Fittings (23 51 16)		
			Note: Centrotherm InnoFlue® Vent System		
23 51 16 00-0373			Polypropylene Flue/Vent Rigid Pipe Sections (23 51 16 00-0372)		
			Note: Gasketed rigid single wall polypropylene vent lengths with dedicated male and female ends.		
23 51 16 00-0374	EA		2" x 12" Polypropylene Flue/Vent Rigid Pipe Section.....	34.00	11.76
23 51 16 00-0375	EA		2" x 24" Polypropylene Flue/Vent Rigid Pipe Section.....	37.98	12.37
23 51 16 00-0376	EA		2" x 36" Polypropylene Flue/Vent Rigid Pipe Section.....	43.24	13.75
23 51 16 00-0377	EA		2" x 72" Polypropylene Flue/Vent Rigid Pipe Section.....	53.09	16.17
23 51 16 00-0378	EA		3" x 12" Polypropylene Flue/Vent Rigid Pipe Section.....	40.43	13.48
23 51 16 00-0379	EA		3" x 24" Polypropylene Flue/Vent Rigid Pipe Section.....	47.39	14.18
23 51 16 00-0380	EA		3" x 36" Polypropylene Flue/Vent Rigid Pipe Section.....	57.03	15.76
23 51 16 00-0381	EA		3" x 72" Polypropylene Flue/Vent Rigid Pipe Section.....	69.88	18.54
23 51 16 00-0382	EA		4" x 12" Polypropylene Flue/Vent Rigid Pipe Section.....	63.81	17.82
23 51 16 00-0383	EA		4" x 24" Polypropylene Flue/Vent Rigid Pipe Section.....	73.79	18.76
23 51 16 00-0384	EA		4" x 36" Polypropylene Flue/Vent Rigid Pipe Section.....	90.10	20.85
23 51 16 00-0385	EA		4" x 72" Polypropylene Flue/Vent Rigid Pipe Section.....	115.04	24.52
23 51 16 00-0386	EA		5" x 12" Polypropylene Flue/Vent Rigid Pipe Section.....	94.56	26.31
23 51 16 00-0387	EA		5" x 24" Polypropylene Flue/Vent Rigid Pipe Section.....	106.51	27.69
23 51 16 00-0388	EA		5" x 36" Polypropylene Flue/Vent Rigid Pipe Section.....	134.92	30.77
23 51 16 00-0389	EA		5" x 72" Polypropylene Flue/Vent Rigid Pipe Section.....	172.81	36.20
23 51 16 00-0390			Polypropylene Flue/Vent Elbows (23 51 16 00-0372)		
			Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0391	EA		2" Polypropylene Flue/Vent 15 Degree Elbow.....	41.86	14.28
23 51 16 00-0392	EA		3" Polypropylene Flue/Vent 15 Degree Elbow.....	47.83	15.04
23 51 16 00-0393	EA		4" Polypropylene Flue/Vent 15 Degree Elbow.....	57.56	15.58
23 51 16 00-0394	EA		5" Polypropylene Flue/Vent 15 Degree Elbow.....	65.57	16.23
23 51 16 00-0395	EA		2" Polypropylene Flue/Vent 30 Degree Elbow.....	41.86	14.28
23 51 16 00-0396	EA		3" Polypropylene Flue/Vent 30 Degree Elbow.....	47.83	15.04
23 51 16 00-0397	EA		4" Polypropylene Flue/Vent 30 Degree Elbow.....	57.56	15.58
23 51 16 00-0398	EA		5" Polypropylene Flue/Vent 30 Degree Elbow.....	65.57	16.23
23 51 16 00-0399	EA		2" Polypropylene Flue/Vent 45 Degree Elbow.....	41.86	14.28
23 51 16 00-0400	EA		3" Polypropylene Flue/Vent 45 Degree Elbow.....	47.83	15.04
23 51 16 00-0401	EA		4" Polypropylene Flue/Vent 45 Degree Elbow.....	57.56	15.58
23 51 16 00-0402	EA		5" Polypropylene Flue/Vent 45 Degree Elbow.....	65.57	16.23
23 51 16 00-0403	EA		2" Polypropylene Flue/Vent 87 Degree Elbow.....	41.86	14.28
23 51 16 00-0404	EA		3" Polypropylene Flue/Vent 87 Degree Elbow.....	47.83	15.04
23 51 16 00-0405	EA		4" Polypropylene Flue/Vent 87 Degree Elbow.....	56.98	15.58
23 51 16 00-0406	EA		5" Polypropylene Flue/Vent 87 Degree Elbow.....	66.99	16.23
23 51 16 00-0407			Polypropylene Flue/Vent Tees (23 51 16 00-0372)		
			Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0408	EA		2" Polypropylene Flue/Vent Tee.....	114.47	21.43
23 51 16 00-0409	EA		3" Polypropylene Flue/Vent Tee.....	140.85	22.56
23 51 16 00-0410	EA		4" Polypropylene Flue/Vent Tee.....	163.17	23.38
23 51 16 00-0411	EA		5" Polypropylene Flue/Vent Tee.....	177.68	24.32
23 51 16 00-0412			Polypropylene Flue/Vent Adaptors (23 51 16 00-0372)		
			Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0413	EA		2" Polypropylene Flue/Vent Adaptor With Gasket.....	47.50	14.28
23 51 16 00-0414	EA		3" Polypropylene Flue/Vent Adaptor With Gasket.....	64.26	15.04
23 51 16 00-0415	EA		4" Polypropylene Flue/Vent Adaptor With Gasket.....	73.46	15.58
23 51 16 00-0416	EA		5" Polypropylene Flue/Vent Adaptor With Gasket.....	96.66	16.23
23 51 16 00-0417			Polypropylene Flue/Vent Increases (23 51 16 00-0372)		
			Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0418	EA		2" to 3" Polypropylene Flue/Vent Centric Increaser.....	51.82	14.67
23 51 16 00-0419	EA		3" to 4" Polypropylene Flue/Vent Centric Increaser.....	56.23	15.31
23 51 16 00-0420	EA		4" to 5" Polypropylene Flue/Vent Centric Increaser.....	92.97	15.89
23 51 16 00-0421	EA		2" to 3" Polypropylene Flue/Vent Eccentric Increaser.....	66.30	14.67
23 51 16 00-0422	EA		3" to 4" Polypropylene Flue/Vent Eccentric Increaser.....	55.04	15.31
23 51 16 00-0423	EA		4" to 5" Polypropylene Flue/Vent Eccentric Increaser.....	123.89	15.89
23 51 16 00-0424			Polypropylene Flue/Vent Reducers (23 51 16 00-0372)		
			Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0425	EA		3" to 2" Polypropylene Flue/Vent Reducer.....	51.82	14.67
23 51 16 00-0426	EA		4" to 3" Polypropylene Flue/Vent Reducer.....	56.23	15.31



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0427	EA		5" to 4" Polypropylene Flue/Vent Reducer.....	112.25	15.89
23 51 16 00-0428			Polypropylene Flue/Vent Test Ports <small>(23 51 16 00-0372)</small>		
			Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0429	EA		2" Polypropylene Flue/Vent Test Port.....	67.72	21.43
23 51 16 00-0430	EA		3" Polypropylene Flue/Vent Test Port.....	74.93	22.56
23 51 16 00-0431	EA		4" Polypropylene Flue/Vent Test Port.....	106.85	23.38
23 51 16 00-0432	EA		5" Polypropylene Flue/Vent Test Port.....	113.65	24.32
23 51 16 00-0433			Polypropylene Flue/Vent Cascade Components <small>(23 51 16 00-0372)</small>		
			Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0434	EA		4" x 15" Polypropylene Flue/Vent Branch Tee With 4" Feeder.....	165.77	23.38
23 51 16 00-0435	EA		4" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder.....	216.12	29.22
23 51 16 00-0436	EA		5" x 12" Polypropylene Flue/Vent Branch Tee With 4" Feeder.....	139.93	24.32
23 51 16 00-0437	EA		5" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder.....	203.33	30.41
23 51 16 00-0438	EA		3" to 4" Polypropylene Flue/Vent Non-Return Valve.....	201.37	15.31
23 51 16 00-0439	EA		4" to 4" Polypropylene Flue/Vent Non-Return Valve.....	231.85	15.89
23 51 16 00-0440			Polypropylene Flue/Vent Condensate Management <small>(23 51 16 00-0372)</small>		
			Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0441	EA		2" Polypropylene Flue/Vent Horizontal Drain Tee.....	87.26	21.43
23 51 16 00-0442	EA		3" Polypropylene Flue/Vent Horizontal Drain Tee.....	103.12	22.56
23 51 16 00-0443	EA		4" Polypropylene Flue/Vent Horizontal Drain Tee.....	116.38	23.38
23 51 16 00-0444	EA		5" Polypropylene Flue/Vent Horizontal Drain Tee.....	131.14	24.32
23 51 16 00-0445	EA		4" Polypropylene Flue/Vent Horizontal Drain Fittings.....	142.82	23.38
23 51 16 00-0446	EA		5" Polypropylene Flue/Vent Horizontal Drain Fittings.....	156.45	24.32
23 51 16 00-0447	EA		2" Polypropylene Flue/Vent Tee Cap.....	46.62	7.14
23 51 16 00-0448	EA		3" Polypropylene Flue/Vent Tee Cap.....	58.70	7.51
23 51 16 00-0449	EA		4" Polypropylene Flue/Vent Tee Cap.....	68.95	7.80
23 51 16 00-0450	EA		5" Polypropylene Flue/Vent Tee Cap.....	88.60	8.11
23 51 16 00-0451	EA		2" Polypropylene Flue/Vent Tee Cap With Drain.....	95.72	21.43
23 51 16 00-0452	EA		3" Polypropylene Flue/Vent Tee Cap With Drain.....	114.84	22.56
23 51 16 00-0453	EA		4" Polypropylene Flue/Vent Tee Cap With Drain.....	130.93	23.38
23 51 16 00-0454	EA		5" Polypropylene Flue/Vent Tee Cap With Drain.....	155.05	24.32
23 51 16 00-0455			Polypropylene Flue/Vent Terminations <small>(23 51 16 00-0372)</small>		
23 51 16 00-0456	EA		2" Polypropylene-UV Black Flue/Vent Chimney Cover.....	114.87	14.28
23 51 16 00-0457	EA		3" Polypropylene-UV Black Flue/Vent Chimney Cover.....	103.05	15.04
23 51 16 00-0458	EA		4" Polypropylene-UV Black Flue/Vent Chimney Cover.....	126.68	15.58
23 51 16 00-0459	EA		3" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe.....	246.93	15.04
23 51 16 00-0460	EA		4" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe.....	263.33	15.58
23 51 16 00-0461	EA		5" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe.....	306.02	16.23
23 51 16 00-0462	EA		2 1/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	71.95	14.28
23 51 16 00-0463	EA		2 1/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	75.58	14.28
23 51 16 00-0464	EA		2 1/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	79.20	14.28
23 51 16 00-0465	EA		2 1/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	82.83	14.28
23 51 16 00-0466	EA		3 1/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	77.46	15.04
23 51 16 00-0467	EA		3 1/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	81.08	15.04
23 51 16 00-0468	EA		3 1/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	84.71	15.04
23 51 16 00-0469	EA		3 1/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	88.33	15.04
23 51 16 00-0470	EA		4 1/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	86.08	15.58
23 51 16 00-0471	EA		4 1/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	89.70	15.58
23 51 16 00-0472	EA		4 1/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	93.33	15.58
23 51 16 00-0473	EA		2" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination.....	75.54	14.28
23 51 16 00-0474	EA		3" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination.....	94.49	15.04
23 51 16 00-0475	EA		2" Polypropylene-UV Black Flue/Vent Termination Tee.....	91.19	21.43
23 51 16 00-0476	EA		3" Polypropylene-UV Black Flue/Vent Termination Tee.....	116.12	22.56
23 51 16 00-0477	EA		4" Polypropylene-UV Black Flue/Vent Termination Tee.....	134.98	23.38
23 51 16 00-0478	EA		5" Polypropylene-UV Black Flue/Vent Termination Tee.....	147.72	24.32
23 51 16 00-0479	EA		2" x 20" Polypropylene-UV Black Flue/Vent End Pipe.....	35.78	12.37
23 51 16 00-0480	EA		2" x 39" Polypropylene-UV Black Flue/Vent End Pipe.....	42.08	13.75
23 51 16 00-0481	EA		3" x 20" Polypropylene-UV Black Flue/Vent End Pipe.....	42.57	14.18
23 51 16 00-0482	EA		3" x 39" Polypropylene-UV Black Flue/Vent End Pipe.....	51.81	15.76
23 51 16 00-0483	EA		4" x 20" Polypropylene-UV Black Flue/Vent End Pipe.....	62.39	18.76
23 51 16 00-0484	EA		5" x 20" Polypropylene-UV Black Flue/Vent End Pipe.....	87.38	27.69
23 51 16 00-0485	EA		5" x 39" Polypropylene-UV Black Flue/Vent End Pipe.....	103.94	30.77
23 51 16 00-0486	EA		2" x 24" Polypropylene-UV Black Flue/Vent Vent Length.....	38.69	12.37
23 51 16 00-0487	EA		3" x 24" Polypropylene-UV Black Flue/Vent Vent Length.....	48.59	14.18
23 51 16 00-0488	EA		4" x 24" Polypropylene-UV Black Flue/Vent Vent Length.....	76.48	18.76
23 51 16 00-0489	EA		2" Polypropylene-UV Black Flue/Vent 45 Degree Elbow.....	43.02	14.28
23 51 16 00-0490	EA		3" Polypropylene-UV Black Flue/Vent 45 Degree Elbow.....	49.28	15.04
23 51 16 00-0491	EA		4" Polypropylene-UV Black Flue/Vent 45 Degree Elbow.....	59.42	15.58
23 51 16 00-0492	EA		2" Polypropylene-UV Black Flue/Vent 87 Degree Elbow.....	42.47	14.28
23 51 16 00-0493	EA		3" Polypropylene-UV Black Flue/Vent 87 Degree Elbow.....	48.92	15.04
23 51 16 00-0494	EA		4" Polypropylene-UV Black Flue/Vent 87 Degree Elbow.....	58.78	15.58
23 51 16 00-0495	EA		2" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent.....	26.21	7.14
23 51 16 00-0496	EA		3" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent.....	30.00	7.51

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51	16 00-0497	EA	4" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent.....	33.18	7.80
23 51	16 00-0498	EA	3" Stainless Steel Bird Screen For Polypropylene Flue/Vent.....	59.70	7.51
23 51	16 00-0499	EA	5" Stainless Steel Bird Screen For Polypropylene Flue/Vent.....	68.24	8.11
23 51	16 00-0500		Polypropylene Flue/Vent Accessories (23 51 16 00-0372)		
23 51	16 00-0501	EA	2" Spacer For Polypropylene Flue/Vent.....	13.31	3.57
23 51	16 00-0502	EA	3" Spacer For Polypropylene Flue/Vent.....	12.92	3.76
23 51	16 00-0503	EA	4" Spacer For Polypropylene Flue/Vent.....	13.33	3.89
23 51	16 00-0504	EA	5" Spacer For Polypropylene Flue/Vent.....	19.62	4.05
23 51	16 00-0505	EA	2" Flue Clamp For Polypropylene Flue/Vent.....	24.20	5.36
23 51	16 00-0506	EA	3" Flue Clamp For Polypropylene Flue/Vent.....	27.99	5.63
23 51	16 00-0507	EA	4" Flue Clamp For Polypropylene Flue/Vent.....	32.01	5.84
23 51	16 00-0508	EA	2" Support Clamp For Polypropylene Flue/Vent.....	23.19	5.36
23 51	16 00-0509	EA	4" Support Clamp For Polypropylene Flue/Vent.....	23.48	5.84
23 51	16 00-0510	EA	5" Support Clamp For Polypropylene Flue/Vent.....	27.91	6.09
23 51	16 00-0511	EA	3" Plastic Support Clamp For Polypropylene Flue/Vent.....	18.74	5.63
23 51	16 00-0512	EA	2" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent.....	39.36	14.28
23 51	16 00-0513	EA	3" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent.....	42.92	15.04
23 51	16 00-0514	EA	4" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent.....	45.81	15.58
23 51	16 00-0515	EA	5" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent.....	50.37	16.23
23 51	16 00-0516	EA	2" Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	2.33	
23 51	16 00-0517	EA	3" Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	2.60	
23 51	16 00-0518	EA	4" Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	3.52	
23 51	16 00-0519	EA	5" Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	5.82	
23 51	16 00-0520	EA	2" Connector Ring For Polypropylene Flue/Vent.....	11.42	3.57
23 51	16 00-0521	EA	3" Connector Ring For Polypropylene Flue/Vent.....	12.75	3.76
23 51	16 00-0522	EA	4" Connector Ring For Polypropylene Flue/Vent.....	13.63	3.89
23 51	16 00-0523	EA	5" Connector Ring For Polypropylene Flue/Vent.....	14.90	4.05
23 51	16 00-0524	EA	2"/4" Polypropylene Flue/Vent Air Intake, White.....	50.25	7.14
23 51	16 00-0525	EA	3"/5" Polypropylene Flue/Vent Air Intake, White.....	51.66	7.51
23 51	16 00-0526	EA	4"/6" Polypropylene Flue/Vent Air Intake, White.....	39.83	7.80
23 51	16 00-0527	EA	2" Base Support For Polypropylene Flue/Vent.....	43.13	5.36
23 51	16 00-0528	EA	3" Base Support For Polypropylene Flue/Vent.....	44.56	5.63
23 51	16 00-0529	EA	4" Base Support For Polypropylene Flue/Vent.....	58.69	5.84
23 51	16 00-0530	EA	5" Base Support For Polypropylene Flue/Vent.....	96.94	6.09
23 51	16 00-0531		Polypropylene Flue/Vent Flex Pipe (23 51 16 00-0372)		
23 51	16 00-0532	LF	2", Up To 50', Polypropylene Flue/Vent Flex Pipe.....	7.97	1.26
23 51	16 00-0533	LF	2", > 50', Polypropylene Flue/Vent Flex Pipe.....	7.01	1.26
23 51	16 00-0534	LF	3", Up To 50', Polypropylene Flue/Vent Flex Pipe.....	9.75	1.48
23 51	16 00-0535	LF	3", > 50', Polypropylene Flue/Vent Flex Pipe.....	8.54	1.48
23 51	16 00-0536	LF	4", Up To 50', Polypropylene Flue/Vent Flex Pipe.....	13.87	1.82
23 51	16 00-0537	LF	4", > 50', Polypropylene Flue/Vent Flex Pipe.....	12.00	1.82
23 51	16 00-0538		Polypropylene Flue/Vent Couplers (23 51 16 00-0372)		
			Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51	16 00-0539	EA	2" Polypropylene Flue/Vent Coupler, Single Wall to Flex.....	59.73	14.28
23 51	16 00-0540	EA	2" Polypropylene Flue/Vent Coupler, Flex to Single Wall.....	65.78	14.28
23 51	16 00-0541	EA	3" Polypropylene Flue/Vent Coupler, Flex to Single Wall.....	124.76	15.04
23 51	16 00-0542	EA	4" Polypropylene Flue/Vent Coupler, Flex to Single Wall.....	220.18	15.58
23 51	16 00-0543	EA	2" Polypropylene Flue/Vent Coupler, Flex to Flex.....	67.56	14.28
23 51	16 00-0544	EA	3" Polypropylene Flue/Vent Coupler, Flex to Flex.....	146.87	15.04
23 51	16 00-0545	EA	4" Polypropylene Flue/Vent Coupler, Flex to Flex.....	365.16	15.58
23 51	16 00-0546		Polypropylene Flue/Vent Flex End Terminations (23 51 16 00-0372)		
23 51	16 00-0547	EA	2" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination.....	75.59	14.28
23 51	16 00-0548	EA	3" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination.....	71.04	15.04
23 51	16 00-0549	EA	4" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination.....	85.88	15.58
23 51	16 00-0550		Aluminum Flue/Vent Fittings (23 51 16)		
23 51	16 00-0551		Aluminum Vent Top Caps (23 51 16 00-0550)		
23 51	16 00-0552	EA	3" Aluminum Vent Cap (Star-Kap® 3-SK).....	71.91	14.16
23 51	16 00-0553	EA	4" Aluminum Vent Cap (Star-Kap® 4-SK).....	76.34	13.87
23 51	16 00-0554	EA	5" Aluminum Vent Cap (Star-Kap® 5-SK).....	82.49	14.54
23 51	16 00-0555	EA	6" Aluminum Vent Cap (Star-Kap® 6-SK).....	111.96	15.21
23 51	16 00-0556	EA	8" Aluminum Vent Cap (Star-Kap® 8-SK).....	125.14	16.92
23 51	16 00-0557	EA	10" Aluminum Vent Cap (Star-Kap® 10-SK).....	338.61	17.86
23 51	16 00-0558	EA	12" Aluminum Vent Cap (Star-Kap® 12-SK).....	347.47	19.00

23 52 Heating Boilers (23 50)**23 52 13 Electric Boilers (23 52)**



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 52 13 00-0001

Packaged Electric Steam Boiler ^(23 52 13)

Note: Includes burners, standard controls and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Rated by KW and MBH output.

23 52 13 00-0002	EA	12 KW, 42 MBH Electric Steam Boiler With Packaged Standard Controls.....	7,072.94	511.52
23 52 13 00-0003	EA	24 KW, 84 MBH Electric Steam Boiler With Packaged Standard Controls.....	7,701.78	596.77
23 52 13 00-0004	EA	36 KW, 126 MBH Electric Steam Boiler With Packaged Standard Controls.....	8,428.67	639.41
23 52 13 00-0005	EA	48 KW, 168 MBH Electric Steam Boiler With Packaged Standard Controls.....	9,467.25	682.03
23 52 13 00-0006	EA	60 KW, 210 MBH Electric Steam Boiler With Packaged Standard Controls.....	10,478.31	724.66
23 52 13 00-0007	EA	80 KW, 280 MBH Electric Steam Boiler With Packaged Standard Controls.....	12,298.79	809.91
23 52 13 00-0008	EA	100 KW, 350 MBH Electric Steam Boiler With Packaged Standard Controls.....	14,119.26	895.17
23 52 13 00-0009	EA	120 KW, 420 MBH Electric Steam Boiler With Packaged Standard Controls.....	14,552.86	937.79
23 52 13 00-0010	EA	140 KW, 490 MBH Electric Steam Boiler With Packaged Standard Controls.....	14,977.27	980.42
23 52 13 00-0011	EA	160 KW, 560 MBH Electric Steam Boiler With Packaged Standard Controls.....	20,006.03	1,065.67
23 52 13 00-0012	EA	180 KW, 630 MBH Electric Steam Boiler With Packaged Standard Controls.....	20,916.26	1,108.30
23 52 13 00-0013	EA	200 KW, 700 MBH Electric Steam Boiler With Packaged Standard Controls.....	21,939.56	1,207.46
23 52 13 00-0014	EA	220 KW, 770 MBH Electric Steam Boiler With Packaged Standard Controls.....	22,943.44	1,296.90
23 52 13 00-0015	EA	240 KW, 840 MBH Electric Steam Boiler With Packaged Standard Controls.....	24,845.62	1,386.34
23 52 13 00-0016	EA	260 KW, 910 MBH Electric Steam Boiler With Packaged Standard Controls.....	26,873.91	1,520.51
23 52 13 00-0017	EA	280 KW, 980 MBH Electric Steam Boiler With Packaged Standard Controls.....	28,338.33	1,565.23
23 52 13 00-0018	EA	300 KW, 1,050 MBH Electric Steam Boiler With Packaged Standard Controls.....	29,802.74	1,609.95
23 52 13 00-0019	EA	320 KW, 1,120 MBH Electric Steam Boiler With Packaged Standard Controls.....	30,808.83	1,654.67
23 52 13 00-0020	EA	360 KW, 1,260 MBH Electric Steam Boiler With Packaged Standard Controls.....	31,814.93	1,699.39
23 52 13 00-0021	EA	400 KW, 1,400 MBH Electric Steam Boiler With Packaged Standard Controls.....	34,010.45	1,788.83
23 52 13 00-0022	EA	460 KW, 1,610 MBH Electric Steam Boiler With Packaged Standard Controls.....	36,205.96	1,878.27
23 52 13 00-0023	EA	500 KW, 1,750 MBH Electric Steam Boiler With Packaged Standard Controls.....	38,312.03	1,922.99
23 52 13 00-0024	EA	600 KW, 2,100 MBH Electric Steam Boiler With Packaged Standard Controls.....	42,984.72	1,967.71
23 52 13 00-0025	EA	700 KW, 2,450 MBH Electric Steam Boiler With Packaged Standard Controls.....	46,188.55	2,057.15
23 52 13 00-0026	EA	756 KW, 2,646 MBH Electric Steam Boiler With Packaged Standard Controls.....	47,375.74	2,146.60
23 52 13 00-0027	EA	828 KW, 2,898 MBH Electric Steam Boiler With Packaged Standard Controls.....	52,777.31	2,280.76
23 52 13 00-0028	EA	936 KW, 3,276 MBH Electric Steam Boiler With Packaged Standard Controls.....	54,328.95	2,414.92
23 52 13 00-0029	EA	1,008 KW, 3,528 MBH Electric Steam Boiler With Packaged Standard Controls.....	55,880.58	2,549.09
23 52 13 00-0030	EA	1,116 KW, 3,906 MBH Electric Steam Boiler With Packaged Standard Controls.....	59,998.83	2,683.25
23 52 13 00-0031	EA	1,224 KW, 4,284 MBH Electric Steam Boiler With Packaged Standard Controls.....	61,827.69	2,772.69
23 52 13 00-0032	EA	1,368 KW, 4,788 MBH Electric Steam Boiler With Packaged Standard Controls.....	64,385.41	2,951.57
23 52 13 00-0033	EA	1,440 KW, 5,040 MBH Electric Steam Boiler With Packaged Standard Controls.....	66,759.81	3,130.45
23 52 13 00-0034	EA	1,512 KW, 5,292 MBH Electric Steam Boiler With Packaged Standard Controls.....	73,534.13	3,309.33
23 52 13 00-0035	EA	1,620 KW, 5,670 MBH Electric Steam Boiler With Packaged Standard Controls.....	77,741.82	3,488.22

23 52 13 00-0036

Packaged Electric Hot Water Boiler ^(23 52 13)

Note: Flush jacketed steel shell. Includes burners, and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.). Rated by KW and MBH output.

23 52 13 00-0037	EA	9 KW, 31 MBH, Electric Hot Boiler With Packaged Standard Controls.....	5,520.94	468.89
23 52 13 00-0038	EA	12 KW, 41 MBH, Electric Hot Boiler With Packaged Standard Controls.....	5,939.52	511.52
23 52 13 00-0039	EA	18 KW, 61 MBH, Electric Hot Boiler With Packaged Standard Controls.....	6,358.09	554.14
23 52 13 00-0040	EA	24 KW, 82 MBH, Electric Hot Boiler With Packaged Standard Controls.....	6,718.34	596.77
23 52 13 00-0041	EA	36 KW, 123 MBH, Electric Hot Boiler With Packaged Standard Controls.....	7,086.90	639.41
23 52 13 00-0042	EA	48 KW, 164 MBH, Electric Hot Boiler With Packaged Standard Controls.....	7,447.15	682.03
23 52 13 00-0043	EA	60 KW, 205 MBH Electric Hot Boiler With Packaged Standard Controls.....	7,865.72	724.66
23 52 13 00-0044	EA	72 KW, 246 MBH Electric Hot Boiler With Packaged Standard Controls.....	8,450.95	767.29
23 52 13 00-0045	EA	84 KW, 287 MBH Electric Hot Boiler With Packaged Standard Controls.....	8,811.20	809.91
23 52 13 00-0046	EA	90 KW, 307 MBH Electric Hot Boiler With Packaged Standard Controls.....	9,163.11	852.54
23 52 13 00-0047	EA	105 KW, 358 MBH Electric Hot Boiler With Packaged Standard Controls.....	9,748.34	895.17
23 52 13 00-0048	EA	120 KW, 409 MBH Electric Hot Boiler With Packaged Standard Controls.....	10,250.25	937.79
23 52 13 00-0049	EA	135 KW, 461 MBH Electric Hot Boiler With Packaged Standard Controls.....	11,043.81	980.42
23 52 13 00-0050	EA	150 KW, 512 MBH Electric Hot Boiler With Packaged Standard Controls.....	11,462.38	1,023.05
23 52 13 00-0051	EA	165 KW, 563 MBH Electric Hot Boiler With Packaged Standard Controls.....	11,922.63	1,065.67
23 52 13 00-0052	EA	180 KW, 614 MBH Electric Hot Boiler With Packaged Standard Controls.....	13,107.83	1,108.30
23 52 13 00-0053	EA	195 KW, 665 MBH Electric Hot Boiler With Packaged Standard Controls.....	14,414.44	1,207.46
23 52 13 00-0054	EA	225 KW, 768 MBH Electric Hot Boiler With Packaged Standard Controls.....	15,693.29	1,296.90
23 52 13 00-0055	EA	240 KW, 819 MBH Electric Hot Boiler With Packaged Standard Controls.....	16,980.45	1,386.34
23 52 13 00-0056	EA	270 KW, 921 MBH Electric Hot Boiler With Packaged Standard Controls.....	18,348.73	1,520.51
23 52 13 00-0057	EA	300 KW, 1,024 MBH Electric Hot Boiler With Packaged Standard Controls.....	19,635.90	1,609.95
23 52 13 00-0058	EA	330 KW, 1,126 MBH Electric Hot Boiler With Packaged Standard Controls.....	20,689.76	1,699.39
23 52 13 00-0059	EA	360 KW, 1,228 MBH Electric Hot Boiler With Packaged Standard Controls.....	21,654.15	1,744.11
23 52 13 00-0060	EA	390 KW, 1,331 MBH Electric Hot Boiler With Packaged Standard Controls.....	23,026.89	1,788.83
23 52 13 00-0061	EA	420 KW, 1,433 MBH Electric Hot Boiler With Packaged Standard Controls.....	24,422.39	1,878.27
23 52 13 00-0062	EA	450 KW, 1,535 MBH Electric Hot Boiler With Packaged Standard Controls.....	25,755.67	1,878.27
23 52 13 00-0063	EA	504 KW, 1,720 MBH Electric Hot Boiler With Packaged Standard Controls.....	28,178.35	1,922.99
23 52 13 00-0064	EA	612 KW, 2,088 MBH Electric Hot Boiler With Packaged Standard Controls.....	29,559.41	1,967.71
23 52 13 00-0065	EA	684 KW, 2,334 MBH Electric Hot Boiler With Packaged Standard Controls.....	31,029.90	2,057.15
23 52 13 00-0066	EA	720 KW, 2,457 MBH Electric Hot Boiler With Packaged Standard Controls.....	32,410.95	2,101.88
23 52 13 00-0067	EA	750 KW, 2,559 MBH Electric Hot Boiler With Packaged Standard Controls.....	33,792.01	2,146.60
23 52 13 00-0068	EA	810 KW, 2,764 MBH Electric Hot Boiler With Packaged Standard Controls.....	34,893.64	2,280.76
23 52 13 00-0069	EA	900 KW, 3,071 MBH Electric Hot Boiler With Packaged Standard Controls.....	36,828.57	2,414.92
23 52 13 00-0070	EA	1,020 KW, 3,480 MBH Electric Hot Boiler With Packaged Standard Controls.....	43,263.31	2,549.09
23 52 13 00-0071	EA	1,110 KW, 3,787 MBH Electric Hot Boiler With Packaged Standard Controls.....	47,531.47	2,683.25
23 52 13 00-0072	EA	1,200 KW, 4,094 MBH Electric Hot Boiler With Packaged Standard Controls.....	49,710.28	2,772.69
23 52 13 00-0073	EA	1,350 KW, 4,606 MBH Electric Hot Boiler With Packaged Standard Controls.....	52,151.29	2,951.57
23 52 13 00-0074	EA	1,440 KW, 4,913 MBH Electric Hot Boiler With Packaged Standard Controls.....	54,592.31	3,130.45
23 52 13 00-0075	EA	1,560 KW, 5,323 MBH Electric Hot Boiler With Packaged Standard Controls.....	60,949.84	3,309.33

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 13 00-0076 EA 1,680 KW, 5,732 MBH Electric Hot Boiler With Packaged Standard Controls	64,974.12	3,488.22
23 52 13 00-0077 EA 1,740 KW, 5,937 MBH Electric Hot Boiler With Packaged Standard Controls	66,736.27	3,577.67
23 52 13 00-0078 EA 1,800 KW, 6,142 MBH Electric Hot Boiler With Packaged Standard Controls	68,498.42	3,667.11
23 52 13 00-0079 EA 1,980 KW, 6,756 MBH Electric Hot Boiler With Packaged Standard Controls	68,766.75	3,801.27
23 52 13 00-0080 EA 2,100 KW, 7,165 MBH Electric Hot Boiler With Packaged Standard Controls	73,778.78	3,890.71
23 52 13 00-0081 EA 2,220 KW, 7,575 MBH Electric Hot Boiler With Packaged Standard Controls	77,213.64	4,024.87
23 52 13 00-0082 EA 2,600 KW, 8,871 MBH Electric Hot Boiler With Packaged Standard Controls	82,750.09	4,293.19
23 52 13 00-0083 EA 2,960 KW, 10,100 MBH Electric Hot Boiler With Packaged Standard Controls	88,560.93	4,740.40
23 52 13 00-0084 EA 3,240 KW, 11,055 MBH Electric Hot Boiler With Packaged Standard Controls	94,884.06	5,277.05
23 52 13 00-0085 EA 3,360 KW, 11,464 MBH Electric Hot Boiler With Packaged Standard Controls	100,957.16	5,813.70

23 52 16 Condensing Boilers (23 52)**23 52 16 13 Stainless-Steel Condensing Boilers (23 52 16 13)**

23 52 16 13-0001 Hamilton Evo Series Stainless Steel Condensing Boilers (23 52 16 13) Note: Includes circulating pump, mounting rack, disconnect panel, plumbing and gas manifold, manual reset high limit and LWCO (Cal Code).		
23 52 16 13-0002 EA 75 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW79)	10,808.53	341.01
23 52 16 13-0003 EA 127 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW129)	10,140.82	450.14
23 52 16 13-0004 EA 168 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW179)	10,815.68	506.41
23 52 16 13-0005 EA 187 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW199.1)	11,550.38	562.67
23 52 16 13-0006 EA 281 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW299)	14,958.75	562.67
23 52 16 13-0007 EA 374 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW399)	17,510.15	682.03
23 52 16 13-0008 EA 589 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW599)	23,478.91	731.47
23 52 16 13-0009 EA 785 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW798)	32,867.34	900.28
Note: Includes vent manifold.		
23 52 16 13-0010 EA 980 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW998)	40,188.96	984.68
Note: Includes vent manifold.		
23 52 16 13-0011 EA 1,425 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1499)	58,012.21	1,153.49
23 52 16 13-0012 EA 1,900 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1999)	63,928.23	1,237.88

23 52 16 13-0013 Buderus SB615 Stainless Steel Condensing Boilers (23 52 16 13)

Note: Includes Riello burners. Capacity given is IBR rating.

23 52 16 13-0014 EA 484 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/145)	28,795.81	731.47
23 52 16 13-0015 EA 612 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/185)	30,059.75	731.47
23 52 16 13-0016 EA 791 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/240)	33,592.06	900.28
23 52 16 13-0017 EA 1,022 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/310)	36,460.95	1,012.82
23 52 16 13-0018 EA 1,317 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/400)	40,563.73	1,069.08
23 52 16 13-0019 EA 1,459 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/510)	46,428.09	1,153.49
23 52 16 13-0020 EA 2,104 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/640)	55,273.62	1,237.88

23 52 16 13-0021 Buderus SB735 Stainless Steel Condensing Boilers (23 52 16 13)

Note: Includes Riello burners.

23 52 16 13-0022 EA 2,650 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/790)	59,778.18	1,350.42
23 52 16 13-0023 EA 3,251 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/970)	69,229.68	1,406.69
23 52 16 13-0024 EA 4,079 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/1200)	80,232.85	1,491.09

23 52 16 13-0025 Lochinvar Knight Stainless Steel Condensing Boilers (23 52 16 13)

23 52 16 13-0026 EA 165 MBH 95.7% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN211)	8,891.51	506.41
23 52 16 13-0027 EA 226 MBH 96% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN286)	11,648.34	562.67

23 52 16 13-0028 Lochinvar Knight XL Stainless Steel Condensing Boilers (23 52 16 13)

23 52 16 13-0029 EA 324 MBH 93.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN400)	13,959.00	675.21
23 52 16 13-0030 EA 406 MBH 93.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN501)	17,256.31	682.03
23 52 16 13-0031 EA 493 MBH 94.6% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN601)	20,269.74	731.47
23 52 16 13-0032 EA 574 MBH 94.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN701)	23,236.74	731.47
23 52 16 13-0033 EA 654 MBH 94% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN801)	26,750.35	815.88

23 52 16 13-0034 Lochinvar SYNC Stainless Steel Condensing Boilers (23 52 16 13)

23 52 16 13-0035 EA 941 MBH 94.1% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1000)	36,639.34	984.68
23 52 16 13-0036 EA 1,240 MBH 95.4% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1300)	41,724.30	1,069.08
23 52 16 13-0037 EA 1,443 MBH 96.2% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1500)	44,811.06	1,153.49

23 52 16 13-0038 Lochinvar Crest Stainless Steel Condensing Boilers (23 52 16 13)



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 13-0039	EA			1,380 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1500).....	44,434.21	1,069.08
23 52 16 13-0040	EA			1,840 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2000).....	53,212.65	1,181.62
23 52 16 13-0041	EA			2,300 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2500).....	69,435.91	1,294.15
23 52 16 13-0042	EA			2,760 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3000).....	76,554.92	1,362.36
23 52 16 13-0043	EA			3,220 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3500).....	91,118.68	1,419.48
23 52 16 13-0044	Laars Neotherm Stainless Steel Condensing Boiler (23 52 16 13)					
Note: Compliant with SCAQMD.						
23 52 16 13-0045	EA			80 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH080).....	6,471.71	337.61
23 52 16 13-0046	EA			105 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH105).....	7,314.07	365.74
23 52 16 13-0047	EA			150 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH150).....	8,383.47	506.41
23 52 16 13-0048	EA			210 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH210).....	9,336.68	562.67
23 52 16 13-0049	EA			285 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH285).....	11,812.70	562.67
23 52 16 13-0050	EA			399 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH399).....	14,886.77	675.21
23 52 16 13-0051	EA			500 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH500).....	19,140.58	731.47
23 52 16 13-0052	EA			600 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH600).....	20,394.29	731.47
23 52 16 13-0053	EA			750 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH750).....	22,218.13	844.01
23 52 16 13-0054	EA			850 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH850).....	24,003.58	956.55
23 52 16 13-0055	EA			1,000 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1000).....	34,478.27	1,012.82
23 52 16 13-0056	EA			1,700 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1700).....	45,848.73	1,181.62
23 52 16 13-0057	EA			150 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV150).....	8,987.06	506.41
23 52 16 13-0058	EA			199 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV199).....	10,595.04	562.67
23 52 16 13-0059	EA			285 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV285).....	13,454.86	562.67
23 52 16 13-0060	EA			399 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV399).....	16,404.49	675.21
23 52 16 13-0061	EA			500 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV500).....	20,487.33	731.47
23 52 16 13-0062	EA			600 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV600).....	21,185.13	731.47
23 52 16 13-0063	EA			750 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV750).....	23,410.20	844.01
23 52 16 13-0064	EA			800 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV800).....	25,119.36	900.28
23 52 16 13-0065	EA			1,000 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV1000).....	34,478.27	1,012.82
23 52 16 13-0066	EA			1,700 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV1700).....	45,848.73	1,181.62
23 52 16 13-0067	AERCO Benchmark Stainless-Steel Condensing Boilers (23 52 16 13)					
23 52 16 13-0068	EA			1,500 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK1.5LN).....	37,196.88	1,153.49
Note: Includes gas PRV and pump delay relay.						
23 52 16 13-0069	EA			2,000 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK2.0LN).....	44,136.16	1,237.88
Note: Includes gas PRV and pump delay relay.						
23 52 16 13-0070	EA			3,000 MBH Water, 220 Volt, 1 Phase, 230 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000).....	63,361.10	1,362.36
Note: Includes gas PRV and pump delay relay.						
23 52 16 13-0071	EA			3,000 MBH Water, 480 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000).....	67,512.10	1,362.36
Note: Includes gas PRV and pump delay relay.						
23 52 16 16	Aluminum Condensing Boilers (23 52 16)					
23 52 16 16-0001	Weil McLain Aluminum Condensing Boilers (23 52 16 16)					
23 52 16 16-0002	EA			80 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80).....	5,218.24	341.01
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.						
23 52 16 16-0003	EA			105 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80).....	5,685.45	365.74
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.						
23 52 16 16-0004	EA			155 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80).....	6,620.99	506.41
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.						
23 52 16 16-0005	EA			230 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80).....	7,428.10	562.67
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.						
23 52 16 16-0006	EA			310 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80).....	9,508.42	675.21
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.						
23 52 16 16-0007	Patterson Kelly Mach Series Aluminum Condensing Boilers (23 52 16 16)					
23 52 16 16-0008	EA			300 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C300).....	14,997.00	562.67
23 52 16 16-0009	EA			450 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C450).....	17,063.91	682.03
23 52 16 16-0010	EA			750 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C750).....	19,324.58	852.54
23 52 16 16-0011	EA			900 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C900).....	28,640.46	956.55
23 52 16 16-0012	EA			1,050 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C1050).....	29,918.15	1,012.82
23 52 16 16-0013	EA			1,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C1500).....	46,432.20	1,153.49
23 52 16 16-0014	EA			2,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C2000).....	50,280.46	1,237.88
23 52 16 16-0015	EA			2,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C2500).....	58,208.90	1,350.42
23 52 16 16-0016	EA			3,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C3000).....	71,993.94	1,350.42
23 52 16 16-0017	EA			4,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C4000).....	88,081.16	1,491.09
23 52 16 16-0018	Buderus GB142 Wall Hung Aluminum Condensing Boilers (23 52 16 16)					
Note: Includes standard controls.						
23 52 16 16-0019	EA			75 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/24).....	6,306.33	341.01
Note: Includes an aluminum heat exchanger and three speed circulating pump.						
23 52 16 16-0020	EA			95 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/30).....	7,237.01	365.74
Note: Includes an aluminum heat exchanger and three speed circulating pump.						
23 52 16 16-0021	EA			143 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/45).....	8,335.40	450.14
Note: Includes an aluminum heat exchanger and three speed circulating pump.						

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 16-0022 EA 193 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/60) Note: Includes an aluminum heat exchanger and three speed circulating pump.	9,292.94	562.67
23 52 16 16-0023 EA Optional Vertical Or Horizontal 3" Concentric Termination Kit For GB142 (Buderus 60L46).....	273.30	85.25
23 52 16 16-0024 EA Optional Stainless Steel Concentric Hood For GB142 (Buderus SJT3).....	358.75	85.25
23 52 16 16-0025 EA Optional GB Floor Stand For GB142 (Buderus 7098265).....	769.91	85.25
23 52 16 16-0026 Buderus GB162 Wall Hung Aluminum Condensing Boilers (23 52 16 16)		
Note: Includes standard controls.		
23 52 16 16-0027 EA 290 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/80) Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.	8,520.78	562.67
23 52 16 16-0028 EA 333 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/100) Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.	10,649.83	675.21
23 52 16 16-0029 EA 580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/80-TL2) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	20,911.40	801.81
23 52 16 16-0030 EA 580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/80-TR2)..... Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	19,545.03	801.81
23 52 16 16-0031 EA 666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/100-TL2) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	24,871.10	815.88
23 52 16 16-0032 EA 666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/100-TR2) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	23,504.73	815.88
23 52 16 16-0033 EA 870 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/80-TL3) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	28,914.89	956.55
23 52 16 16-0034 EA 999 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/100-TL3) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	34,961.01	1,012.82
23 52 16 16-0035 EA 1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/80-TL4) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	35,932.23	1,069.08
23 52 16 16-0036 EA 1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/80-TR4) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	36,479.46	1,069.08
23 52 16 16-0037 EA 1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/100-TL4) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	43,766.37	1,069.08
23 52 16 16-0038 EA 1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/100-TR4) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	44,313.61	1,069.08
23 52 16 16-0039 EA EMS Control Module For Condensing Boiler (Buderus RC35)	585.25	85.25
23 52 16 16-0040 Buderus GB312 Aluminum Condensing Boilers (23 52 16 16)		
Note: Includes standard controls.		
23 52 16 16-0041 EA 305 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/90)..... Note: Includes an aluminum heat exchanger.	15,055.40	562.67
23 52 16 16-0042 EA 409 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/120)..... Note: Includes an aluminum heat exchanger.	16,746.31	682.03
23 52 16 16-0043 EA 544 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/160)..... Note: Includes an aluminum heat exchanger.	19,827.15	731.47
23 52 16 16-0044 EA 676 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/200)..... Note: Includes an aluminum heat exchanger.	22,857.00	815.88
23 52 16 16-0045 EA 810 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/240)..... Note: Includes an aluminum heat exchanger.	27,372.98	900.28
23 52 16 16-0046 EA 944 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/280)..... Note: Includes an aluminum heat exchanger.	30,229.45	984.68
23 52 16 16-0047 EA Optional CSD-1 Kit Consisting Of High And Low Gas Pressure Switches For GB312 (Buderus 7747019985).....	456.78	42.63
23 52 16 16-0048 EA Optional L4006E1125 Manual Reset Aquastat For GB312 (Buderus L4006E1125).....	221.48	42.63
23 52 16 16-0049 EA Optional Hydrolevel 550 low Water Cut-Off For GB312 (Buderus 550).....	316.84	42.63



				MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 16-0050	EA			Optional Condensate Neutralization Tank For GB312 (Buderus 63035899)	671.03	42.63
23 52 16 19 Copper Water-Tube Condensing Boilers (23 52 16)						
23 52 16 19-0001 Laars Rheos+ Copper Fin Tube Condensing Boilers (23 52 16 19)						
23 52 16 19-0002	EA			1,200 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	34,974.97	1,069.08
23 52 16 19-0003	EA			1,600 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	39,435.09	1,181.62
23 52 16 19-0004	EA			2,000 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	43,153.18	1,237.88
23 52 16 19-0005	EA			2,400 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	46,738.93	1,350.42
23 52 16 23 Cast Iron Condensing Boilers (23 52 16)						
23 52 16 23-0001 Hydrotherm KN Cast Iron Condensing Boilers (23 52 16 23)						
23 52 16 23-0002	EA			199 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-2)	11,887.13	562.67
23 52 16 23-0003	EA			399 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-4)	17,259.29	682.03
23 52 16 23-0004	EA			600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-6)	28,156.15	731.47
23 52 16 23-0005	EA			1,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-10)	37,178.76	1,012.82
23 52 16 23-0006	EA			1,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-16)	49,536.60	1,181.62
23 52 16 23-0007	EA			1,999 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-20)	54,027.65	1,237.88
23 52 16 23-0008	EA			2,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-26)	68,728.23	1,350.42
23 52 16 23-0009	EA			3,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-30)	75,022.39	1,350.42
23 52 23 Cast-Iron Boilers (23 52)						
23 52 23 00-0001 Weil-McLain Model 80 Cast Iron Boiler (23 52 23)						
Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.						
23 52 23 00-0002 Gas Fired Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)						
Note: Field assembled boilers can only be used in situations where package units cannot be installed.						
23 52 23 00-0003	EA			209 MBH Steam, 242 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 380)	14,289.29	3,033.63
Note: Includes field assembly of individual sections and testing.						
23 52 23 00-0004	EA			297 MBH Steam, 344 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 480)	15,529.47	3,235.88
Note: Includes field assembly of individual sections and testing.						
23 52 23 00-0005	EA			386 MBH Steam, 448 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 580)	16,879.07	3,438.12
Note: Includes field assembly of individual sections and testing.						
23 52 23 00-0006	EA			476 MBH Steam, 551 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 680)	18,139.95	3,640.36
Note: Includes field assembly of individual sections and testing.						
23 52 23 00-0007	EA			565 MBH Steam, 655 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 780)	19,310.70	3,842.60
Note: Includes field assembly of individual sections and testing.						
23 52 23 00-0008	EA			654 MBH Steam, 758 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 880)	20,882.78	4,044.85
Note: Includes field assembly of individual sections and testing.						
23 52 23 00-0009	EA			743 MBH Steam, 862 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 980)	22,116.56	4,247.10
Note: Includes field assembly of individual sections and testing.						
23 52 23 00-0010	EA			833 MBH Steam, 965 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1080)	23,113.29	4,449.34
Note: Includes field assembly of individual sections and testing.						
23 52 23 00-0011	EA			922 MBH Steam, 1,069 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1180)	24,106.58	4,651.58
Note: Includes field assembly of individual sections and testing.						
23 52 23 00-0012	EA			1,018 MBH Steam, 1,172 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1280)	25,240.71	4,853.83
Note: Includes field assembly of individual sections and testing.						
23 52 23 00-0013 Gas Fired Package Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)						
23 52 23 00-0014	EA			209 MBH Steam, 242 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 380)	8,931.74	357.76
Note: Fire tested factory assembled package unit.						
23 52 23 00-0015	EA			297 MBH Steam, 344 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 480)	9,918.56	357.76
Note: Fire tested factory assembled package unit.						
23 52 23 00-0016	EA			386 MBH Steam, 448 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 580)	11,374.39	447.20
Note: Fire tested factory assembled package unit.						
23 52 23 00-0017	EA			476 MBH Steam, 551 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 680)	12,380.60	447.20
Note: Fire tested factory assembled package unit.						
23 52 23 00-0018	EA			565 MBH Steam, 655 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 780)	13,657.84	536.65
Note: Fire tested factory assembled package unit.						
23 52 23 00-0019	EA			654 MBH Steam, 758 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 880)	14,988.57	536.65
Note: Fire tested factory assembled package unit.						
23 52 23 00-0020	EA			743 MBH Steam, 862 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 980)	16,327.04	626.09
Note: Fire tested factory assembled package unit.						
23 52 23 00-0021	EA			833 MBH Steam, 965 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1080)	17,428.75	715.54
Note: Fire tested factory assembled package unit.						
23 52 23 00-0022	EA			922 MBH Steam, 1,069 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1180)	18,170.65	715.54
Note: Fire tested factory assembled package unit.						
23 52 23 00-0023	EA			1018 MBH Steam, 1172 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1280)	19,408.08	804.98
Note: Fire tested factory assembled package unit.						
23 52 23 00-0024 Gas/Oil Fired Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)						
Note: Field assembled boilers can only be used in situations where package units cannot be installed.						
23 52 23 00-0025	EA			209 MBH Steam, 242 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 380)	14,865.88	3,033.63
Note: Includes field assembly of individual sections and testing.						
23 52 23 00-0026	EA			297 MBH Steam, 344 MBH Water Gas/Oil Fired Cast Iron Boiler	16,209.13	3,235.88
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.						

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0027 EA 386 MBH Steam, 448 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	17,496.47	3,438.12
23 52 23 00-0028 EA 476 MBH Steam, 551 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	18,924.71	3,640.36
23 52 23 00-0029 EA 565 MBH Steam, 655 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	20,116.90	3,842.60
23 52 23 00-0030 EA 654 MBH Steam, 758 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	21,819.60	4,044.85
23 52 23 00-0031 EA 743 MBH Steam, 862 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	22,920.71	4,247.10
23 52 23 00-0032 EA 833 MBH Steam, 965 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	23,993.98	4,449.34
23 52 23 00-0033 EA 922 MBH Steam, 1069 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	24,988.29	4,651.58
23 52 23 00-0034 EA 1,018 MBH Steam, 1172 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	26,149.98	4,853.83
23 52 23 00-0035 Gas/Oil Fired Package Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)		
23 52 23 00-0036 EA 209 MBH Steam, 242 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 380)..... Note: Fire tested factory assembled package cast iron unit.	9,508.32	357.76
23 52 23 00-0037 EA 297 MBH Steam, 344 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 480)..... Note: Fire tested factory assembled package cast iron unit.	10,598.21	357.76
23 52 23 00-0038 EA 386 MBH Steam, 448 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 580)..... Note: Fire tested factory assembled package cast iron unit.	11,991.79	447.20
23 52 23 00-0039 EA 476 MBH Steam, 551 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 680)..... Note: Fire tested factory assembled package cast iron unit.	13,165.36	447.20
23 52 23 00-0040 EA 565 MBH Steam, 655 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 780)..... Note: Fire tested factory assembled package cast iron unit.	14,464.04	536.65
23 52 23 00-0041 EA 654 MBH Steam, 758 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 880)..... Note: Fire tested factory assembled package cast iron unit.	15,925.39	536.65
23 52 23 00-0042 EA 743 MBH Steam, 862 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 980)..... Note: Fire tested factory assembled package cast iron unit.	17,131.20	626.09
23 52 23 00-0043 EA 833 MBH Steam, 965 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1080)..... Note: Fire tested factory assembled package cast iron unit.	18,309.44	715.54
23 52 23 00-0044 EA 922 MBH Steam, 1,069 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1180)..... Note: Fire tested factory assembled package cast iron unit.	19,052.36	715.54
23 52 23 00-0045 EA 1,018 MBH Steam, 1,172 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1280)..... Note: Fire tested factory assembled package cast iron unit.	20,317.35	804.98
23 52 23 00-0046 Weil-McLain Model 88 Cast Iron Boiler (23 52 23) Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0047 Gas Fired Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0046) Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0048 EA 629 MBH Steam, 730 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 488)..... Note: Includes field assembly of individual sections and testing.	22,676.39	4,550.46
23 52 23 00-0049 EA 845 MBH Steam, 979 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 588)..... Note: Includes field assembly of individual sections and testing.	24,894.96	4,828.54
23 52 23 00-0050 EA 1072 MBH Steam, 1229 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 688)..... Note: Includes field assembly of individual sections and testing.	27,613.67	5,106.63
23 52 23 00-0051 EA 1,311 MBH Steam, 1,478 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 788)..... Note: Includes field assembly of individual sections and testing.	30,022.72	5,384.71
23 52 23 00-0052 EA 1,543 MBH Steam, 1,728 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 888)..... Note: Includes field assembly of individual sections and testing.	32,132.53	5,662.79
23 52 23 00-0053 EA 1,766 MBH Steam, 1,977 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 988)..... Note: Includes field assembly of individual sections and testing.	35,138.17	5,940.87
23 52 23 00-0054 EA 1,988 MBH Steam, 2,227 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1088)..... Note: Includes field assembly of individual sections and testing.	37,266.58	6,218.95
23 52 23 00-0055 EA 2,211 MBH Steam, 2,477 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1188)..... Note: Includes field assembly of individual sections and testing.	39,162.99	6,497.04
23 52 23 00-0056 EA 2,434 MBH Steam, 2,726 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1288)..... Note: Includes field assembly of individual sections and testing.	41,655.98	6,775.12
23 52 23 00-0057 EA 2,657 MBH Steam, 2,976 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1388)..... Note: Includes field assembly of individual sections and testing.	43,683.76	7,053.21
23 52 23 00-0058 EA 2,880 MBH Steam, 3,225 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1488)..... Note: Includes field assembly of individual sections and testing.	47,267.42	7,331.29
23 52 23 00-0059 EA 3,102 MBH Steam, 3,475 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1588)..... Note: Includes field assembly of individual sections and testing.	49,202.45	7,609.38
23 52 23 00-0060 EA 3,325 MBH Steam, 3,724 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1688)..... Note: Includes field assembly of individual sections and testing.	51,247.66	7,887.46
23 52 23 00-0061 EA 3,548 MBH Steam, 3,974 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1788)..... Note: Includes field assembly of individual sections and testing.	53,513.64	8,165.54
23 52 23 00-0062 EA 3,771 MBH Steam, 4,223 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1888)..... Note: Includes field assembly of individual sections and testing.	55,378.62	8,443.63
23 52 23 00-0063 Gas Fired Package Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0046)		
23 52 23 00-0064 EA 629 MBH Steam, 730 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 488)..... Note: Fire tested factory assembled package unit.	16,341.33	626.09
23 52 23 00-0065 EA 845 MBH Steam, 979 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 588)..... Note: Fire tested factory assembled package unit.	18,535.99	715.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0066 EA 1,072 MBH Steam, 1,229 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 688).....	21,242.94	804.98
Note: Fire tested factory assembled package unit.		
23 52 23 00-0067 EA 1,311 MBH Steam, 1,478 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 788).....	23,618.25	894.42
Note: Fire tested factory assembled package unit.		
23 52 23 00-0068 EA 1,543 MBH Steam, 1,728 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 888).....	25,344.93	894.42
Note: Fire tested factory assembled package unit.		
23 52 23 00-0069 EA 1,766 MBH Steam, 1,977 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 988).....	28,329.45	983.86
Note: Fire tested factory assembled package unit.		
23 52 23 00-0070 EA 1,988 MBH Steam, 2,227 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1088).....	30,077.57	983.86
Note: Fire tested factory assembled package unit.		
23 52 23 00-0071 EA 2,211 MBH Steam, 2,477 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1188).....	31,949.76	1,073.30
Note: Fire tested factory assembled package unit.		
23 52 23 00-0072 EA 2,434 MBH Steam, 2,726 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1288).....	34,063.22	1,073.30
Note: Fire tested factory assembled package unit.		
23 52 23 00-0073 EA 2,657 MBH Steam, 2,976 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1388).....	36,067.08	1,162.74
Note: Fire tested factory assembled package unit.		
23 52 23 00-0074 EA 2,880 MBH Steam, 3,225 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1488).....	38,008.64	1,252.18
Note: Fire tested factory assembled package unit.		
23 52 23 00-0075 EA 3,102 MBH Steam, 3,475 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1588).....	39,563.88	1,252.18
Note: Fire tested factory assembled package unit.		
23 52 23 00-0076 EA 3,325 MBH Steam, 3,724 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1688).....	41,586.08	1,341.62
Note: Fire tested factory assembled package unit.		
23 52 23 00-0077 EA 3,548 MBH Steam, 3,974 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1788).....	43,470.94	1,341.62
Note: Fire tested factory assembled package unit.		
23 52 23 00-0078 EA 3,771 MBH Steam, 4,223 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1888).....	45,333.90	1,431.06
Note: Fire tested factory assembled package unit.		
23 52 23 00-0079 Gas/Oil Fired Weil-McLain Model 88 Cast Iron Boiler <small>(23 52 23 00-0046)</small>		
Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0080 EA 629 MBH Steam, 730 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 488).....	23,386.65	4,550.46
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0081 EA 845 MBH Steam, 979 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 588).....	25,601.15	4,828.54
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0082 EA 1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 688).....	28,503.55	5,106.63
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0083 EA 1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 788).....	31,002.40	5,384.71
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0084 EA 1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 888).....	33,012.20	5,662.79
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0085 EA 1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 988).....	35,962.73	5,940.87
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0086 EA 1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1088).....	38,504.45	6,218.95
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0087 EA 2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1188).....	40,400.85	6,497.04
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0088 EA 2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1288).....	42,869.36	6,775.12
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0089 EA 2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1388).....	45,418.61	7,053.21
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0090 EA 2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1488).....	49,090.03	7,331.29
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0091 EA 3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1588).....	51,638.39	7,609.38
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0092 EA 3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1688).....	53,069.25	7,887.46
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0093 EA 3,548 MBH Steam, 3,974 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1788).....	55,280.12	8,165.54
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0094 EA 3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1888).....	57,164.50	8,443.63
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0095 Gas/Oil Fired Package Weil-McLain Model 88 Cast Iron Boiler <small>(23 52 23 00-0046)</small>		
23 52 23 00-0096 EA 629 MBH Steam, 730 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 488).....	17,051.60	626.09
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0097 EA 845 MBH Steam, 979 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 588).....	19,242.18	715.54
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0098 EA 1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 688).....	22,122.61	804.98
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0099 EA 1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 788).....	24,597.93	894.42
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0100 EA 1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 888).....	26,226.65	894.42
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0101 EA 1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 988).....	29,154.02	983.86
Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.		
23 52 23 00-0102 EA 1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1088).....	31,315.44	983.86
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0103 EA 2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1188).....	33,187.63	1,073.30
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0104 EA 2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1288).....	35,276.59	1,073.30
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0105 EA 2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1388).....	37,807.03	1,162.74
Note: Fire tested factory assembled package cast iron unit.		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0106 EA 2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1488).....	39,831.25	1,252.18
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0107 EA 3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1588).....	40,979.31	1,252.18
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0108 EA 3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1688).....	43,407.67	1,341.62
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0109 EA 3,548 MBH Steam, 3,974 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1788)	45,237.43	1,341.62
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0110 EA 3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1888).....	47,099.36	1,431.06
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0111 Weil-McLain Model 94 Cast Iron Boiler ^(23 52 23)		
Note: Capacities are the net AHRJ ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0112 Gas Fired Weil-McLain Model 94 Cast Iron Boiler ^(23 52 23 00-0111)		
Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0113 EA 1,584 MBH Steam, 1,784 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-894)	59,346.28	8,848.11
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0114 EA 1,800 MBH Steam, 2,050 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-994)	64,195.59	9,353.71
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0115 EA 2,024 MBH Steam, 2,310 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1094)	68,641.74	9,859.33
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0116 EA 2,249 MBH Steam, 2,571 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1194)	72,998.66	10,364.93
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0117 EA 2,474 MBH Steam, 2,834 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1294)	77,395.05	10,870.54
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0118 EA 2,703 MBH Steam, 3,098 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1394)	83,272.91	11,376.15
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0119 EA 2,928 MBH Steam, 3,362 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1494)	87,426.44	11,881.75
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0120 EA 3,154 MBH Steam, 3,628 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1594)	91,451.89	12,387.36
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0121 EA 3,378 MBH Steam, 3,894 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1694)	97,879.84	12,892.96
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0122 EA 3,604 MBH Steam, 4,162 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1794)	101,903.05	13,398.57
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0123 EA 3,834 MBH Steam, 4,430 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1894)	105,381.72	13,904.17
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0124 EA 4,059 MBH Steam, 4,700 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1994)	111,592.48	14,409.78
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0125 EA 4,285 MBH Steam, 4,970 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2094)	115,647.26	14,915.39
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0126 EA 4,510 MBH Steam, 5,241 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2194)	121,997.20	15,420.99
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0127 EA 4,781 MBH Steam, 5,568 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2294)	126,255.16	15,926.61
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0128 EA 4,961 MBH Steam, 5,787 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2394)	130,896.29	16,432.21
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0129 EA 5,232 MBH Steam, 6,117 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2494)	134,909.95	16,937.82
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0130 EA 5,413 MBH Steam, 6,338 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2594)	139,033.25	17,443.42
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0131 Gas Fired Package Weil-McLain Model 94 Cast Iron Boiler ^(23 52 23 00-0111)		
23 52 23 00-0132 EA 1,584 MBH Steam, 1,784 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-894)	49,874.45	1,162.74
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0133 EA 1,800 MBH Steam, 2,050 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-994)	54,392.77	1,252.18
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0134 EA 2,024 MBH Steam, 2,310 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1094)	58,504.95	1,341.62
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0135 EA 2,249 MBH Steam, 2,571 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1194)	62,531.36	1,431.06
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0136 EA 2,474 MBH Steam, 2,834 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1294)	66,235.78	1,431.06
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0137 EA 2,703 MBH Steam, 3,098 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1394)	70,166.40	1,520.51
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0138 EA 2,928 MBH Steam, 3,362 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1494)	73,628.96	1,520.51
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0139 EA 3,154 MBH Steam, 3,628 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1594)	77,321.68	1,609.95
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0140 EA 3,378 MBH Steam, 3,894 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1694)	83,059.95	1,609.95
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0141 EA 3,604 MBH Steam, 4,162 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1794)	86,751.63	1,699.39
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0142 EA 3,834 MBH Steam, 4,430 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1894)	89,539.64	1,699.39
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0143 EA 4,059 MBH Steam, 4,700 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1994)	95,420.41	1,788.83
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0144 EA 4,285 MBH Steam, 4,970 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2094)	98,783.97	1,788.83
Note: Fire tested factory assembled package cast iron unit.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52	23 00-0145	EA	4,510 MBH Steam, 5,241 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	104,819.87	1,878.27
23 52	23 00-0146	EA	4,781 MBH Steam, 5,568 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	108,368.14	1,878.27
23 52	23 00-0147	EA	4,961 MBH Steam, 5,787 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	112,675.24	1,967.71
23 52	23 00-0148	EA	5,232 MBH Steam, 6,117 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	115,999.01	1,967.71
23 52	23 00-0149	EA	5,413 MBH Steam, 6,338 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	119,789.69	2,057.15
23 52 23 00-0150 Oil Fired Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small>					
Note: Field assembled boilers can only be used in situations where package units cannot be installed.					
23 52	23 00-0151	EA	1,584 MBH Steam, 1,784 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-894) Note: Includes field assembly of individual sections and testing.	56,301.11	8,848.11
23 52	23 00-0152	EA	1,800 MBH Steam, 2,050 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-994) Note: Includes field assembly of individual sections and testing.	61,150.42	9,353.71
23 52	23 00-0153	EA	2,024 MBH Steam, 2,310 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1094) Note: Includes field assembly of individual sections and testing.	67,006.90	9,859.33
23 52	23 00-0154	EA	2,249 MBH Steam, 2,571 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	70,995.42	10,364.93
23 52	23 00-0155	EA	2,474 MBH Steam, 2,834 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1294) Note: Includes field assembly of individual sections and testing.	75,140.77	10,870.54
23 52	23 00-0156	EA	2,703 MBH Steam, 3,098 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1394) Note: Includes field assembly of individual sections and testing.	80,737.98	11,376.15
23 52	23 00-0157	EA	2,928 MBH Steam, 3,362 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1494) Note: Includes field assembly of individual sections and testing.	85,081.33	11,881.75
23 52	23 00-0158	EA	3,154 MBH Steam, 3,628 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1594) Note: Includes field assembly of individual sections and testing.	89,108.82	12,387.36
23 52	23 00-0159	EA	3,378 MBH Steam, 3,894 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1694) Note: Includes field assembly of individual sections and testing.	96,265.41	12,892.96
23 52	23 00-0160	EA	3,604 MBH Steam, 4,162 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1794) Note: Includes field assembly of individual sections and testing.	100,289.64	13,398.57
23 52	23 00-0161	EA	3,834 MBH Steam, 4,430 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1894) Note: Includes field assembly of individual sections and testing.	104,312.24	13,904.17
23 52	23 00-0162	EA	4,059 MBH Steam, 4,700 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	111,599.62	14,409.78
23 52	23 00-0163	EA	4,285 MBH Steam, 4,970 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	115,654.40	14,915.39
23 52	23 00-0164	EA	4,510 MBH Steam, 5,241 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	122,168.65	15,420.99
23 52	23 00-0165	EA	4,781 MBH Steam, 5,568 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	126,425.59	15,926.61
23 52	23 00-0166	EA	4,961 MBH Steam, 5,787 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	130,978.95	16,432.21
23 52	23 00-0167	EA	5,232 MBH Steam, 6,117 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	134,992.61	16,937.82
23 52	23 00-0168	EA	5,413 MBH Steam, 6,338 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	139,122.03	17,443.42
23 52 23 00-0169 Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small>					
23 52	23 00-0170	EA	1,584 MBH Steam, 1,784 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	46,663.95	1,162.74
23 52	23 00-0171	EA	1,800 MBH Steam, 2,050 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	51,182.27	1,252.18
23 52	23 00-0172	EA	2,024 MBH Steam, 2,310 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	56,704.78	1,341.62
23 52	23 00-0173	EA	2,249 MBH Steam, 2,571 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	60,362.80	1,431.06
23 52	23 00-0174	EA	2,474 MBH Steam, 2,834 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	63,816.17	1,431.06
23 52	23 00-0175	EA	2,703 MBH Steam, 3,098 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	67,466.16	1,520.51
23 52	23 00-0176	EA	2,928 MBH Steam, 3,362 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	71,118.52	1,520.51
23 52	23 00-0177	EA	3,154 MBH Steam, 3,628 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	74,811.25	1,609.95
23 52	23 00-0178	EA	3,378 MBH Steam, 3,894 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	81,280.20	1,609.95
23 52	23 00-0179	EA	3,604 MBH Steam, 4,162 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	84,970.86	1,699.39
23 52	23 00-0180	EA	3,834 MBH Steam, 4,430 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	88,304.84	1,699.39
23 52	23 00-0181	EA	4,059 MBH Steam, 4,700 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	95,262.23	1,788.83
23 52	23 00-0182	EA	4,285 MBH Steam, 4,970 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	98,625.80	1,788.83
23 52	23 00-0183	EA	4,510 MBH Steam, 5,241 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	104,805.58	1,878.27
23 52	23 00-0184	EA	4,781 MBH Steam, 5,568 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	108,373.25	1,878.27

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 52 Heating Boilers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0185 EA 4,961 MBH Steam, 5,787 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	112,592.58	1,967.71
23 52 23 00-0186 EA 5,232 MBH Steam, 6,117 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	115,916.35	1,967.71
23 52 23 00-0187 EA 5,413 MBH Steam, 6,338 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	119,713.15	2,057.15
23 52 23 00-0188 Gas/Oil Fired Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small> Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0189 EA 1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-894) Note: Includes field assembly of individual sections and testing.	60,303.51	8,848.11
23 52 23 00-0190 EA 1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-994) Note: Includes field assembly of individual sections and testing.	65,153.84	9,353.71
23 52 23 00-0191 EA 2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1094) Note: Includes field assembly of individual sections and testing.	69,861.24	9,859.33
23 52 23 00-0192 EA 2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	74,321.23	10,364.93
23 52 23 00-0193 EA 2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1294) Note: Includes field assembly of individual sections and testing.	78,694.15	10,870.54
23 52 23 00-0194 EA 2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1394) Note: Includes field assembly of individual sections and testing.	83,752.54	11,376.15
23 52 23 00-0195 EA 2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1494) Note: Includes field assembly of individual sections and testing.	89,019.44	11,881.75
23 52 23 00-0196 EA 3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1594) Note: Includes field assembly of individual sections and testing.	93,295.93	12,387.36
23 52 23 00-0197 EA 3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1694) Note: Includes field assembly of individual sections and testing.	99,884.11	12,892.96
23 52 23 00-0198 EA 3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1794) Note: Includes field assembly of individual sections and testing.	103,907.31	13,398.57
23 52 23 00-0199 EA 3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1894) Note: Includes field assembly of individual sections and testing.	107,457.42	13,904.17
23 52 23 00-0200 EA 4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	113,737.57	14,409.78
23 52 23 00-0201 EA 4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	118,812.85	14,915.39
23 52 23 00-0202 EA 4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	125,709.78	15,420.99
23 52 23 00-0203 EA 4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	129,937.13	15,926.61
23 52 23 00-0204 EA 4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	134,768.07	16,432.21
23 52 23 00-0205 EA 5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	138,782.75	16,937.82
23 52 23 00-0206 EA 5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	142,909.11	17,443.42
23 52 23 00-0207 Gas/Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small>		
23 52 23 00-0208 EA 1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	50,906.17	1,162.74
23 52 23 00-0209 EA 1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	55,425.51	1,252.18
23 52 23 00-0210 EA 2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	59,802.00	1,341.62
23 52 23 00-0211 EA 2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	63,929.45	1,431.06
23 52 23 00-0212 EA 2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	67,610.39	1,431.06
23 52 23 00-0213 EA 2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	70,720.53	1,520.51
23 52 23 00-0214 EA 2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	75,296.45	1,520.51
23 52 23 00-0215 EA 3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	79,239.20	1,609.95
23 52 23 00-0216 EA 3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	85,139.73	1,609.95
23 52 23 00-0217 EA 3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	88,829.37	1,699.39
23 52 23 00-0218 EA 3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	91,689.83	1,699.39
23 52 23 00-0219 EA 4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	97,639.99	1,788.83
23 52 23 00-0220 EA 4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	102,025.08	1,788.83
23 52 23 00-0221 EA 4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	108,587.55	1,878.27
23 52 23 00-0222 EA 4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	112,125.63	1,878.27
23 52 23 00-0223 EA 4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	116,621.51	1,967.71
23 52 23 00-0224 EA 5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	119,946.30	1,967.71



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0225 EA 5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594).....	123,741.07	2,057.15
<i>Note: Fire tested factory assembled package cast iron unit.</i>		
23 52 33 Water-Tube Boilers (23 52)		
23 52 33 13 Finned Water-Tube Boilers (23 52 33)		
23 52 33 13-0001 Laars Pennant 85% Efficient Water, Gas Fired, Copper Fin Tube LoNox Boiler (23 52 33 13)		
23 52 33 13-0002 EA 200 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	6,924.94	506.41
23 52 33 13-0003 EA 300 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	7,621.78	562.67
23 52 33 13-0004 EA 400 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	8,761.47	675.21
23 52 33 13-0005 EA 500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	11,159.68	703.34
23 52 33 13-0006 EA 750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	13,113.66	844.01
23 52 33 13-0007 EA 1,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	16,109.10	1,012.82
23 52 33 13-0008 EA 1,250 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	18,283.61	1,069.08
23 52 33 13-0009 EA 1,500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	20,246.60	1,153.49
23 52 33 13-0010 EA 1,750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	22,068.17	1,209.75
23 52 33 13-0011 EA 2,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	23,668.93	1,237.88
23 52 33 13-0012 Patterson Kelly Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (23 52 33 13)		
23 52 33 13-0013 EA 1,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	24,023.70	1,012.82
23 52 33 13-0014 EA 1,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	29,983.23	1,153.49
23 52 33 13-0015 EA 2,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	31,951.11	1,237.88
23 52 33 13-0016 EA 2,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	45,141.13	1,406.69
23 52 33 13-0017 EA 3,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	47,367.22	1,575.49
23 52 33 13-0018 Lochinvar Copper-Fin II Finned Tube Boiler (23 52 33 13)		
23 52 33 13-0019 EA 340 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0402).....	8,104.62	454.41
<i>For High And Low Gas Pressure Switch With Manual Reset, Add 287.50</i>		
<i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add 254.68</i>		
23 52 33 13-0020 EA 425 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0502).....	9,747.18	567.79
<i>For High And Low Gas Pressure Switch With Manual Reset, Add 287.50</i>		
<i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add 254.68</i>		
23 52 33 13-0021 EA 552.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0652).....	10,516.32	682.03
<i>For High And Low Gas Pressure Switch With Manual Reset, Add 287.50</i>		
<i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add 254.68</i>		
23 52 33 13-0022 EA 637.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0752).....	10,790.53	682.03
<i>For High And Low Gas Pressure Switch With Manual Reset, Add 287.50</i>		
<i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add 254.68</i>		
23 52 33 13-0023 EA 841.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0992).....	13,390.31	852.54
<i>For High And Low Gas Pressure Switch With Manual Reset, Add 287.50</i>		
<i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add 254.68</i>		
23 52 33 13-0024 EA 1,071 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1262).....	15,402.79	852.54
<i>For High And Low Gas Pressure Switch With Manual Reset, Add 287.50</i>		
<i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add 254.68</i>		
23 52 33 13-0025 EA 1,224 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1442).....	16,734.03	852.54
<i>For High And Low Gas Pressure Switch With Manual Reset, Add 287.50</i>		
<i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add 254.68</i>		
23 52 33 13-0026 EA 1,530 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1802).....	18,118.98	1,023.05
<i>For High And Low Gas Pressure Switch With Manual Reset, Add 287.50</i>		
<i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add 254.68</i>		
23 52 33 13-0027 EA 1,759.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN2072).....	21,417.20	1,193.55
<i>For High And Low Gas Pressure Switch With Manual Reset, Add 287.50</i>		
<i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add 254.68</i>		
23 52 33 13-0028 Raypak Cupro-Nickel Finned-Tube Boiler With Pump (23 52 33 13)		
23 52 33 13-0029 EA 385 MBH Water, Gas Fired, On/Off, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H4-399B).....	7,957.44	624.56
23 52 33 13-0030 EA 420 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-499B).....	8,574.20	562.67
23 52 33 13-0031 EA 546 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-649B).....	9,499.88	675.21
23 52 33 13-0032 EA 630 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-749B).....	10,092.96	766.52
23 52 33 13-0033 EA 756 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-899B).....	11,211.64	844.01
23 52 33 13-0034 EA 832 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-989B).....	12,053.31	908.47
23 52 33 13-0035 EA 1,058 MBH Water, Gas Fired, Three Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H8-1259B).....	13,760.31	1,012.82
23 52 33 13-0036 EA 1,285 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1529B).....	15,913.53	1,069.08
23 52 33 13-0037 EA 1,512 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1799B).....	16,898.44	1,153.49
23 52 33 13-0038 EA 1,679 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1999B).....	20,062.50	1,181.62
23 52 33 13-0039 EA 1,739 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2069B).....	20,147.75	1,209.75
23 52 33 13-0040 EA 1,966 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2339B).....	23,450.30	1,237.88
23 52 33 16 Steel Water-Tube Boilers (23 52 33)		
23 52 33 16-0001 Unilux 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (23 52 33 16)		
<i>Note: Compliant with BAAQMD.</i>		

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 52 Heating Boilers



Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Includes sections for Unilux 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler and Unilux 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler. Includes a Fire-Box Boiler section at the bottom.



Heating, Ventilating, And Air-Conditioning (HVAC)

23

Central Heating Equipment

23 50

Heating Boilers

23 52

23

Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include various boiler specifications like 46 HP, 53 HP, 61 HP, etc.

23 52 39 Fire-Tube Boilers (23 52)

23 52 39 13 Scotch Marine Boilers (23 52 39)

23 52 39 13-0001 15 PSI Steam Scotch Marine Boilers (23 52 39 13)

Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH output.

23 52 39 13-0002 15 PSI Gas Fired Steam Scotch Marine Boilers (23 52 39 13-0001)

Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include 30 HP, 40 HP, 50 HP, 60 HP, 70 HP, 80 HP, 90 HP, 100 HP, 125 HP, 150 HP, 175 HP, 200 HP, 250 HP, 300 HP, 350 HP, 400 HP, 500 HP, 600 HP, 700 HP, 800 HP, 900 HP, 1,000 HP boiler specifications.

23 52 39 13-0025 15 PSI Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0001)

Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include 30 HP, 40 HP, 50 HP, 60 HP, 70 HP boiler specifications.

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 52 Heating Boilers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0031	EA		80 HP, 2,678 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	71,886.65	1,520.51
23 52 39 13-0032	EA		90 HP, 3,013 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	74,563.57	1,565.23
23 52 39 13-0033	EA		100 HP, 3,348 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	79,918.59	1,609.95
23 52 39 13-0034	EA		125 HP, 4,184 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	92,534.83	1,788.83
23 52 39 13-0035	EA		150 HP, 5,021 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	105,166.81	1,967.71
23 52 39 13-0036	EA		175 HP, 5,858 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	115,351.27	2,168.96
23 52 39 13-0037	EA		200 HP, 6,695 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	125,533.89	2,370.20
23 52 39 13-0038	EA		250 HP, 8,369 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	132,315.86	2,772.69
23 52 39 13-0039	EA		300 HP, 10,043 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	160,987.95	3,175.17
23 52 39 13-0040	EA		350 HP, 11,716 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	174,230.72	3,577.67
23 52 39 13-0041	EA		400 HP, 13,390 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	205,227.00	3,980.15
23 52 39 13-0042	EA		500 HP, 16,738 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	249,415.54	4,382.63
23 52 39 13-0043	EA		600 HP, 20,085 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	291,898.27	4,785.12
23 52 39 13-0044	EA		700 HP, 23,433 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	332,570.19	5,187.61
23 52 39 13-0045	EA		800 HP, 26,780 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	371,604.18	5,590.10
23 52 39 13-0046	EA		900 HP, 30,128 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	408,997.21	5,992.58
23 52 39 13-0047	EA		1,000 HP, 33,476 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	444,901.15	6,395.07
23 52 39 13-0048			15 PSI Gas/Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0001)		
23 52 39 13-0049	EA		30 HP, 1,033 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	57,916.98	983.86
23 52 39 13-0050	EA		40 HP, 1,339 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	62,335.59	1,073.30
23 52 39 13-0051	EA		50 HP, 1,674 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	67,702.53	1,162.74
23 52 39 13-0052	EA		60 HP, 2,009 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	71,114.07	1,341.62
23 52 39 13-0053	EA		70 HP, 2,343 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	74,170.94	1,431.06
23 52 39 13-0054	EA		80 HP, 2,678 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	77,223.59	1,520.51
23 52 39 13-0055	EA		90 HP, 3,013 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	80,101.32	1,565.23
23 52 39 13-0056	EA		100 HP, 3,348 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	82,979.67	1,609.95
23 52 39 13-0057	EA		125 HP, 4,184 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	96,092.79	1,788.83
23 52 39 13-0058	EA		150 HP, 5,021 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	109,221.64	1,967.71
23 52 39 13-0059	EA		175 HP, 5,858 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	119,797.43	2,168.96
23 52 39 13-0060	EA		200 HP, 6,695 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	130,368.80	2,370.20
23 52 39 13-0061	EA		250 HP, 8,369 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	137,367.02	2,772.69
23 52 39 13-0062	EA		300 HP, 10,043 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	167,166.75	3,175.17
23 52 39 13-0063	EA		350 HP, 11,716 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	180,893.53	3,577.67
23 52 39 13-0064	EA		400 HP, 13,390 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	213,115.27	3,980.15
23 52 39 13-0065	EA		500 HP, 16,738 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	259,077.64	4,382.63
23 52 39 13-0066	EA		600 HP, 20,085 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	303,262.12	4,785.12
23 52 39 13-0067	EA		700 HP, 23,433 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	345,563.69	5,187.61
23 52 39 13-0068	EA		800 HP, 26,780 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	386,155.25	5,590.10
23 52 39 13-0069	EA		900 HP, 30,128 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	425,041.49	5,992.58
23 52 39 13-0070	EA		1,000 HP, 33,476 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	462,371.71	6,395.07



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0071				150 PSI Steam Scotch Marine Boilers <small>(23 52 39 13)</small> Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH output.		
23 52 39 13-0072				150 PSI Gas Fired Steam Scotch Marine Boilers <small>(23 52 39 13-0071)</small>		
23 52 39 13-0073	EA			40 HP, 1,339 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler 77,221.35 Note: Burnham Series 3. Fire tested factory assembled unit.	1,073.30	
23 52 39 13-0074	EA			50 HP, 1,674 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler 83,875.54 Note: Burnham Series 3. Fire tested factory assembled unit.	1,162.74	
23 52 39 13-0075	EA			60 HP, 2,009 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler 87,431.25 Note: Burnham Series 3. Fire tested factory assembled unit.	1,341.62	
23 52 39 13-0076	EA			70 HP, 2,343 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler 91,571.98 Note: Burnham Series 3. Fire tested factory assembled unit.	1,431.06	
23 52 39 13-0077	EA			80 HP, 2,678 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler 95,821.78 Note: Burnham Series 3. Fire tested factory assembled unit.	1,520.51	
23 52 39 13-0078	EA			90 HP, 3,013 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler 98,784.47 Note: Burnham Series 3. Fire tested factory assembled unit.	1,565.23	
23 52 39 13-0079	EA			100 HP, 3,348 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler 104,350.60 Note: Burnham Series 3. Fire tested factory assembled unit.	1,609.95	
23 52 39 13-0080	EA			125 HP, 4,184 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler 118,037.82 Note: Burnham Series 3. Fire tested factory assembled unit.	1,788.83	
23 52 39 13-0081	EA			150 HP, 5,021 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler 134,230.34 Note: Burnham Series 3. Fire tested factory assembled unit.	1,967.71	
23 52 39 13-0082	EA			175 HP, 5,858 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler 147,215.86 Note: Burnham Series 3. Fire tested factory assembled unit.	2,168.96	
23 52 39 13-0083	EA			200 HP, 6,695 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler 160,199.53 Note: Burnham Series 3. Fire tested factory assembled unit.	2,370.20	
23 52 39 13-0084	EA			250 HP, 8,369 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler 168,526.20 Note: Burnham Series 3. Fire tested factory assembled unit.	2,772.69	
23 52 39 13-0085	EA			300 HP, 10,043 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler 205,282.22 Note: Burnham Series 3. Fire tested factory assembled unit.	3,175.17	
23 52 39 13-0086	EA			350 HP, 11,716 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler 221,982.68 Note: Burnham Series 3. Fire tested factory assembled unit.	3,577.67	
23 52 39 13-0087	EA			400 HP, 13,390 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler 261,775.89 Note: Burnham Series 3. Fire tested factory assembled unit.	3,980.15	
23 52 39 13-0088	EA			500 HP, 16,738 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler 318,687.61 Note: Burnham Series 3. Fire tested factory assembled unit.	4,382.63	
23 52 39 13-0089	EA			600 HP, 20,085 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler 373,363.18 Note: Burnham Series 3. Fire tested factory assembled unit.	4,785.12	
23 52 39 13-0090	EA			700 HP, 23,433 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler 425,713.03 Note: Burnham Series 3. Fire tested factory assembled unit.	5,187.61	
23 52 39 13-0091	EA			800 HP, 26,780 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler 475,922.92 Note: Burnham Series 3. Fire tested factory assembled unit.	5,590.10	
23 52 39 13-0092	EA			900 HP, 30,128 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler 524,010.42 Note: Burnham Series 3. Fire tested factory assembled unit.	5,992.58	
23 52 39 13-0093	EA			1,000 HP, 33,476 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler 570,135.13 Note: Burnham Series 3. Fire tested factory assembled unit.	6,395.07	
23 52 39 13-0094				150 PSI Oil Fired Steam Scotch Marine Boilers <small>(23 52 39 13-0071)</small>		
23 52 39 13-0095	EA			40 HP, 1,339 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler 71,446.74 Note: Burnham Series 3. Fire tested factory assembled unit.	1,073.30	
23 52 39 13-0096	EA			50 HP, 1,674 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler 77,601.49 Note: Burnham Series 3. Fire tested factory assembled unit.	1,162.74	
23 52 39 13-0097	EA			60 HP, 2,009 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler 84,426.81 Note: Burnham Series 3. Fire tested factory assembled unit.	1,341.62	
23 52 39 13-0098	EA			70 HP, 2,343 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler 88,032.04 Note: Burnham Series 3. Fire tested factory assembled unit.	1,431.06	
23 52 39 13-0099	EA			80 HP, 2,678 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler 91,630.50 Note: Burnham Series 3. Fire tested factory assembled unit.	1,520.51	
23 52 39 13-0100	EA			90 HP, 3,013 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler 95,054.01 Note: Burnham Series 3. Fire tested factory assembled unit.	1,565.23	
23 52 39 13-0101	EA			100 HP, 3,348 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler 101,961.46 Note: Burnham Series 3. Fire tested factory assembled unit.	1,609.95	
23 52 39 13-0102	EA			125 HP, 4,184 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler 118,148.53 Note: Burnham Series 3. Fire tested factory assembled unit.	1,788.83	
23 52 39 13-0103	EA			150 HP, 5,021 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler 134,356.49 Note: Burnham Series 3. Fire tested factory assembled unit.	1,967.71	
23 52 39 13-0104	EA			175 HP, 5,858 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler 147,354.88 Note: Burnham Series 3. Fire tested factory assembled unit.	2,168.96	
23 52 39 13-0105	EA			200 HP, 6,695 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler 160,351.43 Note: Burnham Series 3. Fire tested factory assembled unit.	2,370.20	
23 52 39 13-0106	EA			250 HP, 8,369 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler 168,683.24 Note: Burnham Series 3. Fire tested factory assembled unit.	2,772.69	
23 52 39 13-0107	EA			300 HP, 10,043 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler 205,475.31 Note: Burnham Series 3. Fire tested factory assembled unit.	3,175.17	
23 52 39 13-0108	EA			350 HP, 11,716 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler 222,191.22 Note: Burnham Series 3. Fire tested factory assembled unit.	3,577.67	
23 52 39 13-0109	EA			400 HP, 13,390 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler 262,023.05 Note: Burnham Series 3. Fire tested factory assembled unit.	3,980.15	
23 52 39 13-0110	EA			500 HP, 16,738 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler 318,988.83 Note: Burnham Series 3. Fire tested factory assembled unit.	4,382.63	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0111 EA 600 HP, 20,085 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	373,718.46	4,785.12
23 52 39 13-0112 EA 700 HP, 23,433 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	426,117.22	5,187.61
23 52 39 13-0113 EA 800 HP, 26,780 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	476,376.03	5,590.10
23 52 39 13-0114 EA 900 HP, 30,128 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	524,509.87	5,992.58
23 52 39 13-0115 EA 1,000 HP, 33,476 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	570,680.92	6,395.07
23 52 39 13-0116 150 PSI Gas/Oil Fired Steam Scotch Marine Boilers <small>(23 52 39 13-0071)</small>		
23 52 39 13-0117 EA 40 HP, 1,339 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	79,746.93	1,073.30
23 52 39 13-0118 EA 50 HP, 1,674 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	86,617.39	1,162.74
23 52 39 13-0119 EA 60 HP, 2,009 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	90,837.32	1,341.62
23 52 39 13-0120 EA 70 HP, 2,343 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	94,705.15	1,431.06
23 52 39 13-0121 EA 80 HP, 2,678 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	98,566.20	1,520.51
23 52 39 13-0122 EA 90 HP, 3,013 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	102,254.89	1,565.23
23 52 39 13-0123 EA 100 HP, 3,348 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	105,941.64	1,609.95
23 52 39 13-0124 EA 125 HP, 4,184 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	122,774.90	1,788.83
23 52 39 13-0125 EA 150 HP, 5,021 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	139,626.49	1,967.71
23 52 39 13-0126 EA 175 HP, 5,858 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	153,132.06	2,168.96
23 52 39 13-0127 EA 200 HP, 6,695 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	166,638.36	2,370.20
23 52 39 13-0128 EA 250 HP, 8,369 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	175,250.79	2,772.69
23 52 39 13-0129 EA 300 HP, 10,043 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	213,507.75	3,175.17
23 52 39 13-0130 EA 350 HP, 11,716 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	230,851.84	3,577.67
23 52 39 13-0131 EA 400 HP, 13,390 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	272,277.28	3,980.15
23 52 39 13-0132 EA 500 HP, 16,738 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	331,552.39	4,382.63
23 52 39 13-0133 EA 600 HP, 20,085 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	388,490.94	4,785.12
23 52 39 13-0134 EA 700 HP, 23,433 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	443,008.52	5,187.61
23 52 39 13-0135 EA 800 HP, 26,780 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	495,293.46	5,590.10
23 52 39 13-0136 EA 900 HP, 30,128 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	545,365.90	5,992.58
23 52 39 13-0137 EA 1,000 HP, 33,476 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	593,390.58	6,395.07
23 52 39 13-0138 125 PSI Water Scotch Marine Boilers <small>(23 52 39 13)</small>		
Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH output.		
23 52 39 13-0139 125 PSI Gas Fired Water Scotch Marine Boilers <small>(23 52 39 13-0138)</small>		
23 52 39 13-0140 EA 40 HP, 1,339 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	66,454.79	1,073.30
23 52 39 13-0141 EA 50 HP, 1,674 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	74,589.32	1,162.74
23 52 39 13-0142 EA 60 HP, 2,009 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	80,101.65	1,341.62
23 52 39 13-0143 EA 70 HP, 2,343 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	86,108.89	1,431.06
23 52 39 13-0144 EA 80 HP, 2,678 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	92,243.23	1,520.51
23 52 39 13-0145 EA 90 HP, 3,013 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	97,131.64	1,565.23
23 52 39 13-0146 EA 100 HP, 3,348 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	104,605.47	1,609.95
23 52 39 13-0147 EA 125 HP, 4,184 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	112,206.58	1,788.83
23 52 39 13-0148 EA 150 HP, 5,021 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	122,318.12	1,967.71
23 52 39 13-0149 EA 175 HP, 5,858 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	130,090.28	2,168.96



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0150 EA 200 HP, 6,695 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	134,650.19	2,370.20
23 52 39 13-0151 EA 250 HP, 8,369 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	163,032.22	2,772.69
23 52 39 13-0152 EA 300 HP, 10,043 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	189,837.80	3,175.17
23 52 39 13-0153 EA 350 HP, 11,716 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	204,563.48	3,577.67
23 52 39 13-0154 EA 400 HP, 13,390 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	228,245.61	3,980.15
23 52 39 13-0155 EA 500 HP, 16,738 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	276,720.69	4,382.63
23 52 39 13-0156 EA 600 HP, 20,085 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	324,010.01	4,785.12
23 52 39 13-0157 EA 700 HP, 23,433 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	369,285.13	5,187.61
23 52 39 13-0158 EA 800 HP, 26,780 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	412,724.09	5,590.10
23 52 39 13-0159 EA 900 HP, 30,128 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	454,334.15	5,992.58
23 52 39 13-0160 EA 1,000 HP, 33,476 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	494,269.76	6,395.07
23 52 39 13-0161 125 PSI Oil Fired Water Scotch Marine Boilers (23 52 39 13-0138)		
23 52 39 13-0162 EA 40 HP, 1,339 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	61,532.34	1,073.30
23 52 39 13-0163 EA 50 HP, 1,674 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	69,049.00	1,162.74
23 52 39 13-0164 EA 60 HP, 2,009 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	77,364.96	1,341.62
23 52 39 13-0165 EA 70 HP, 2,343 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	82,795.51	1,431.06
23 52 39 13-0166 EA 80 HP, 2,678 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	88,219.28	1,520.51
23 52 39 13-0167 EA 90 HP, 3,013 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	93,468.12	1,565.23
23 52 39 13-0168 EA 100 HP, 3,348 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	102,211.19	1,609.95
23 52 39 13-0169 EA 125 HP, 4,184 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	112,312.14	1,788.83
23 52 39 13-0170 EA 150 HP, 5,021 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	122,431.40	1,967.71
23 52 39 13-0171 EA 175 HP, 5,858 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	130,211.29	2,168.96
23 52 39 13-0172 EA 200 HP, 6,695 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	134,776.34	2,370.20
23 52 39 13-0173 EA 250 HP, 8,369 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	163,184.11	2,772.69
23 52 39 13-0174 EA 300 HP, 10,043 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	190,015.44	3,175.17
23 52 39 13-0175 EA 350 HP, 11,716 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	204,754.00	3,577.67
23 52 39 13-0176 EA 400 HP, 13,390 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	228,459.29	3,980.15
23 52 39 13-0177 EA 500 HP, 16,738 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	276,980.71	4,382.63
23 52 39 13-0178 EA 600 HP, 20,085 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	324,316.38	4,785.12
23 52 39 13-0179 EA 700 HP, 23,433 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	369,635.27	5,187.61
23 52 39 13-0180 EA 800 HP, 26,780 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	413,115.42	5,590.10
23 52 39 13-0181 EA 900 HP, 30,128 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	454,764.09	5,992.58
23 52 39 13-0182 EA 1,000 HP, 33,476 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	494,738.32	6,395.07
23 52 39 13-0183 125 PSI Gas/Oil Fired Water Scotch Marine Boilers (23 52 39 13-0138)		
23 52 39 13-0184 EA 40 HP, 1,339 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	68,607.07	1,073.30
23 52 39 13-0185 EA 50 HP, 1,674 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	77,009.35	1,162.74
23 52 39 13-0186 EA 60 HP, 2,009 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	83,203.92	1,341.62
23 52 39 13-0187 EA 70 HP, 2,343 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	89,043.82	1,431.06
23 52 39 13-0188 EA 80 HP, 2,678 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	94,879.51	1,520.51
23 52 39 13-0189 EA 90 HP, 3,013 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	100,540.27	1,565.23
23 52 39 13-0190 EA 100 HP, 3,348 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	106,201.67	1,609.95

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 52 Heating Boilers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0191	EA		125 HP, 4,184 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	116,693.94	1,788.83
23 52 39 13-0192	EA		150 HP, 5,021 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	127,204.53	1,967.71
23 52 39 13-0193	EA		175 HP, 5,858 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	135,275.33	2,168.96
23 52 39 13-0194	EA		200 HP, 6,695 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	139,997.43	2,370.20
23 52 39 13-0195	EA		250 HP, 8,369 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	169,522.53	2,772.69
23 52 39 13-0196	EA		300 HP, 10,043 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	197,404.25	3,175.17
23 52 39 13-0197	EA		350 HP, 11,716 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	212,688.60	3,577.67
23 52 39 13-0198	EA		400 HP, 13,390 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	237,315.57	3,980.15
23 52 39 13-0199	EA		500 HP, 16,738 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	287,793.61	4,382.63
23 52 39 13-0200	EA		600 HP, 20,085 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	337,031.83	4,785.12
23 52 39 13-0201	EA		700 HP, 23,433 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	384,173.47	5,187.61
23 52 39 13-0202	EA		800 HP, 26,780 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	429,396.55	5,590.10
23 52 39 13-0203	EA		900 HP, 30,128 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	472,716.08	5,992.58
23 52 39 13-0204	EA		1,000 HP, 33,476 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	514,283.92	6,395.07

23 53 Heating Boiler Feedwater Equipment (23 50)

23 53 13 Boiler Feedwater Pumps (23 53)

See CSI section 23 53 16 00-0001 for boiler feedwater units.

23 53 16 Deaerators (23 53)

23 53 16 00-0001 Boiler Feed System (23 53 16)

23 53 16 00-0002 Low Pressure Boiler Feed System (23 53 16 00-0001)

Note: With deaerator includes pumps and accessories.

23 53 16 00-0003	EA		20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	4,450.36	1,065.91
23 53 16 00-0004	EA		34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	4,871.72	1,255.76
23 53 16 00-0005	EA		54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	5,201.46	1,299.75
23 53 16 00-0006	EA		67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	5,372.03	1,347.45
23 53 16 00-0007	EA		78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	5,693.42	1,440.05
23 53 16 00-0008	EA		104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	8,631.92	1,560.44
23 53 16 00-0009	EA		158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	9,680.28	1,666.94
23 53 16 00-0010	EA		219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	11,088.15	1,898.46
23 53 16 00-0011	EA		254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	12,169.73	2,037.38
23 53 16 00-0012	EA		305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	13,098.95	2,176.29

23 53 16 00-0013 High Pressure Boiler Feed System (23 53 16 00-0001)

Note: With deaerator includes pumps and accessories.

23 53 16 00-0014	EA		10 HP, 100 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	5,811.40	908.76
23 53 16 00-0015	EA		20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	6,128.72	1,065.91
23 53 16 00-0016	EA		34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	6,868.98	1,255.76
23 53 16 00-0017	EA		54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	7,385.88	1,299.75
23 53 16 00-0018	EA		67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	7,529.33	1,347.45
23 53 16 00-0019	EA		78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	8,974.80	1,440.05
23 53 16 00-0020	EA		104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	11,475.25	1,560.44
23 53 16 00-0021	EA		158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	11,817.89	1,666.94
23 53 16 00-0022	EA		183 HP, 1,800 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	12,962.76	1,785.11
23 53 16 00-0023	EA		219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	13,933.58	1,898.46
23 53 16 00-0024	EA		254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	14,906.01	2,037.38
23 53 16 00-0025	EA		305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	16,076.73	2,176.29

23 53 16 00-0026 Boiler Feedwater System (23 53 16)

Note: With deaerator includes pumps and accessories.

23 53 16 00-0027	EA		1,380 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories.....	7,337.76	1,255.76
23 53 16 00-0028	EA		2,600 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories.....	9,441.59	1,438.66
23 53 16 00-0029	EA		4,300 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories.....	12,303.85	1,646.56
23 53 16 00-0030	EA		6,900 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories.....	14,751.29	1,899.39
23 53 16 00-0031	EA		8,500 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories.....	15,668.55	2,037.38
23 53 16 00-0032	EA		11,000 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories.....	16,550.97	2,176.29
23 53 16 00-0033	EA		13,800 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories.....	18,468.80	2,500.51
23 53 16 00-0034	EA		17,250 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories.....	23,660.59	2,871.03
23 53 16 00-0035	EA		20,700 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories.....	30,461.67	3,317.40
23 53 16 00-0036	EA		27,600 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories.....	38,353.15	3,808.04
23 53 16 00-0037	EA		34,500 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories.....	48,805.98	4,381.28



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 53 16 00-0038 Duplex Vacuum Condensate Pumps <small>(23 53 16)</small>						
23 53 16 00-0039	EA			7 CFM, 15 GPM, 45 Gallon Duplex Vacuum Condensate Pump..... Note: Two 3/4 HP vacuum pumps rated for 7 CFM, two 3/4 HP condensate pumps rated for 15 GPM at 20 PSI and 45 GAL cast iron receiver. Skidmore JVC-7-45-102.	18,686.19	740.87
23 53 16 00-0040	EA			9 CFM, 30 GPM, 45 Gallon Duplex Vacuum Condensate Pump..... Note: Two 1 HP vacuum pumps rated for 9 CFM, two 3/4 HP condensate pumps rated for 30 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-9-45-201.5.	19,124.13	787.17
23 53 16 00-0041	EA			12 CFM, 45 GPM, 45 Gallon Duplex Vacuum Condensate Pump..... Note: Two 1-1/2 HP vacuum pumps rated for 12 CFM, two 1 HP condensate pumps rated for 45 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-12-45-301.5.	19,624.88	833.47
23 53 16 00-0042	EA			18 CFM, 37.5 GPM, 65 Gallon Duplex Vacuum Condensate Pump..... Note: Two 2 HP vacuum pumps rated for 18 CFM, two 1 HP condensate pumps rated for 37.5 GPM at 20 PSI and 65 GAL cast iron receiver. Skidmore JVC-18-65-252.	21,538.40	879.78
23 53 16 00-0043	EA			28 CFM, 60 GPM, 110 Gallon Duplex Vacuum Condensate Pump..... Note: Two 3 HP vacuum pumps rated for 28 CFM, two 1-1/2 HP condensate pumps rated for 60 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-28-110-402.	25,649.56	926.08
23 53 16 00-0044	EA			42 CFM, 75 GPM, 110 Gallon Duplex Vacuum Condensate Pump..... Note: Two 5 HP vacuum pumps rated for 42 CFM, two 2 HP condensate pumps rated for 75 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-42-110-502.	26,997.97	972.39
23 54 Furnaces <small>(23 50)</small>						
Note: All units based on output. See CSI section 23 84 13 00-0000 for humidifiers.						
23 54 13 Electric-Resistance Furnaces <small>(23 54)</small>						
23 54 13 00-0001 Down Flow Multi-Speed Air Handler/Electric Furnace <small>(23 54 13)</small>						
23 54 13 00-0002	EA			Up To 2 Ton Down Flow Multi-Speed Air Handler/Electric Furnace..... Note: Excludes cooling equipment.	1,060.61	95.03
23 54 13 00-0003	EA			>2 To 3.5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace..... Note: Excludes cooling equipment.	1,403.22	118.79
23 54 13 00-0004	EA			>3.5 To 5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace..... Note: Excludes cooling equipment.	1,818.76	142.53
23 54 13 00-0005 Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace <small>(23 54 13)</small>						
23 54 13 00-0006	EA			Up To 2 Ton Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace..... Note: Excludes cooling equipment.	1,060.61	95.03
23 54 13 00-0007	EA			>2 To 2.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace..... Note: Excludes cooling equipment.	1,270.64	106.91
23 54 13 00-0008	EA			>2.5 To 3 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace..... Note: Excludes cooling equipment.	1,388.03	118.79
23 54 13 00-0009	EA			>3 To 3.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace..... Note: Excludes cooling equipment.	1,450.74	130.67
23 54 13 00-0010	EA			>3.5 To 5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace..... Note: Excludes cooling equipment.	1,818.76	142.53
23 54 13 00-0011 Heating Coil For Air Handler/Electric Furnace <small>(23 54 13)</small>						
23 54 13 00-0012	EA			5 KW Heating Coil For Air Handler/Electric Furnace.....	180.17	24.16
23 54 13 00-0013	EA			7 KW Heating Coil For Air Handler/Electric Furnace.....	206.54	26.58
23 54 13 00-0014	EA			10 KW Heating Coil For Air Handler/Electric Furnace.....	223.80	28.99
23 54 13 00-0015	EA			15 KW Heating Coil For Air Handler/Electric Furnace.....	309.41	31.40
23 54 13 00-0016	EA			20 KW Heating Coil For Air Handler/Electric Furnace.....	334.26	33.82
23 54 16 Fuel-Fired Furnaces <small>(23 54)</small>						
23 54 16 13 Gas-Fired Furnaces <small>(23 54 16)</small>						
23 54 16 13-0001 Natural Gas Fired Forced Air Furnaces <small>(23 54 16 13)</small>						
Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.						
23 54 16 13-0002 Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace <small>(23 54 16 13-0001)</small>						
23 54 16 13-0003	EA			40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,687.54	83.15
23 54 16 13-0004	EA			60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,795.80	95.03
23 54 16 13-0005	EA			80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	2,072.67	106.91
23 54 16 13-0006	EA			100 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	2,421.38	130.67
23 54 16 13-0007	EA			120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	2,582.82	142.53
23 54 16 13-0008 Up/Horizontal Flow Variable Speed, Two Stage 95% AFUE Gas Furnace <small>(23 54 16 13-0001)</small>						
23 54 16 13-0009	EA			40 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,881.95	83.15
23 54 16 13-0010	EA			60 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	2,060.11	95.03

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 54 Furnaces



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 13-0011 EA 80 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,183.21	106.91
23 54 16 13-0012 EA 80 MBH, 1,600 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3.5 tons.	1,851.96	118.79
23 54 16 13-0013 EA 100 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,574.80	130.67
23 54 16 13-0014 EA 120 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,713.45	142.53
23 54 16 13-0015 Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0016 EA 45 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,654.04	83.15
23 54 16 13-0017 EA 70 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,899.03	95.03
23 54 16 13-0018 EA 90 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,054.81	118.79
23 54 16 13-0019 EA 90 MBH, 2,000 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,193.47	130.67
23 54 16 13-0020 Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0021 EA 40 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,179.68	83.15
23 54 16 13-0022 EA 60 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,294.03	95.03
23 54 16 13-0023 EA 80 MBH, 1,600 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,554.19	106.91
23 54 16 13-0024 EA 100 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,785.94	130.67
23 54 16 13-0025 EA 120 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,985.35	142.53
23 54 16 13-0026 Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0027 EA 40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,502.20	83.15
23 54 16 13-0028 EA 60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,581.62	95.03
23 54 16 13-0029 EA 80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,764.31	106.91
23 54 16 13-0030 EA 80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,779.50	106.91
23 54 16 13-0031 EA 80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,940.95	118.79
23 54 16 13-0032 EA 100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,044.67	130.67
23 54 16 13-0033 EA 120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,166.61	142.53
23 54 16 13-0034 Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0035 EA 40 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,035.87	83.15
23 54 16 13-0036 EA 60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,132.00	95.03
23 54 16 13-0037 EA 60 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,294.94	106.91
23 54 16 13-0038 EA 80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,296.46	106.91
23 54 16 13-0039 EA 80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,422.97	118.79
23 54 16 13-0040 EA 100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,458.34	130.67
23 54 16 13-0041 EA 120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,621.29	142.53
23 54 16 13-0042 Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0043 EA 40 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,051.06	83.15
23 54 16 13-0044 EA 60 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,136.56	95.03
23 54 16 13-0045 EA 80 MBH, 1,600 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,363.30	106.91
23 54 16 13-0046 EA 100 MBH, 2,000 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,500.44	118.79
23 54 16 13-0047 75% AFUE Gas Wall/Recessed Furnace (23 54 16 13-0001)		
23 54 16 13-0048 EA 35 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace.....	1,805.52	71.27



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 13-0049 EA 55 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace	2,081.86	89.13
23 54 16 13-0050 EA 35 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,630.84	71.27
23 54 16 13-0051 EA 40 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,742.70	77.25
23 54 16 13-0052 EA 50 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,725.44	83.15
23 54 16 13-0053 EA 65 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,776.61	89.13
23 54 16 13-0054 EA 75 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,840.53	89.13
23 54 16 13-0055 Gas Fired Indoor Duct Furnace (23 54 16 13-0001) Note: Includes burner, controls and electronic ignition.		
23 54 16 13-0056 Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace (23 54 16 13-0055)		
23 54 16 13-0057 EA 100 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	2,034.39	185.31
23 54 16 13-0058 EA 150 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	2,266.10	228.07
23 54 16 13-0059 EA 200 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	2,572.12	327.84
23 54 16 13-0060 EA 250 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	2,901.06	370.60
23 54 16 13-0061 EA 300 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,381.35	427.61
23 54 16 13-0062 EA 350 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,715.75	513.14
23 54 16 13-0063 EA 400 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	4,238.72	684.19
23 54 16 13-0064 Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace (23 54 16 13-0055) Note: Includes burner, controls and electronic ignition.		
23 54 16 13-0065 EA 100 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	2,278.65	185.31
23 54 16 13-0066 EA 150 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	2,506.71	228.07
23 54 16 13-0067 EA 200 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	2,902.65	327.84
23 54 16 13-0068 EA 250 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,291.14	370.60
23 54 16 13-0069 EA 300 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	4,054.57	427.61
23 54 16 13-0070 EA 350 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	4,446.09	513.14
23 54 16 13-0071 EA 400 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	4,928.95	684.19
23 54 16 16 Oil-Fired Furnaces (23 54 16)		
23 54 16 16-0001 Oil Fired Forced Air Furnaces (23 54 16 16) Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		
23 54 16 16-0002 Up Flow Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)		
23 54 16 16-0003 EA 72 MBH, 1,220 CFM Up Flow Single Speed, One Stage 84% AFUE Oil Furnace.....	2,919.86	95.03
23 54 16 16-0004 EA 95 MBH, 1,590 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace.....	3,095.82	130.67
23 54 16 16-0005 EA 126 MBH, 1,835 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace.....	3,572.12	154.41
23 54 16 16-0006 Down/Horizontal Flow Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)		
23 54 16 16-0007 EA 95 MBH, 1,210 CFM Down/Horizontal Flow Single Speed, One Stage 83% AFUE Oil Furnace.....	3,378.35	130.67
23 54 16 16-0008 EA 126 MBH, 2,005 CFM Down/Horizontal Flow Single Speed, One Stage 84% AFUE Oil Furnace.....	3,400.47	154.41
23 54 16 16-0009 Up Flow Lowboy Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)		
23 54 16 16-0010 EA 95 MBH, 1,550 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace	2,916.58	130.67
23 54 16 16-0011 EA 127 MBH, 2,130 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace	3,462.75	154.41
23 54 19 Furnace Accessories (23 54)		
23 54 19 00-0001 EA LP Gas Furnace Conversion Kit	144.78	23.76
23 54 19 00-0002 EA 1" Furnace External Filter Rack.....	42.55	
23 54 19 00-0003 EA Removal And Reinstallation Of Forced Air Furnace	439.94	
Note: Includes storage and cleaning. Excludes ductwork.		
23 55 Fuel-Fired Heaters (23 50)		
23 55 23 Gas-Fired Radiant Heaters (23 55)		
23 55 23 13 Low-Intensity Gas-Fired Radiant Heaters (23 55 23)		
23 55 23 13-0001 Infrared Heaters-Radiant Energy (23 55 23 13) Note: For spot localized or total heating, ceiling hung units, no fan required.		
23 55 23 13-0002 Gas Fired Electric Ignition Infrared Gas Heater (23 55 23 13-0001) Note: Ceramic combustion, surface chromized wire screen aluminized steel housing and polished aluminum reflector.		
23 55 23 13-0003 EA 15,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	798.50	92.61
23 55 23 13-0004 EA 37,500 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	881.03	101.87
23 55 23 13-0005 EA 50,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	942.97	101.87

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 55 Fuel-Fired Heaters**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 23 13-0006 EA 75,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	1,183.17	122.25
23 55 23 13-0007 EA 100,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	1,193.61	122.25
23 55 23 13-0008 Rolled Steel Or Aluminum Housing Infrared Electric Heater <small>(23 55 23 13-0001)</small>		
Note: Anodized aluminum reflector and quartz/tungsten tubular element with an inner heavy-duty coiled element.		
23 55 23 13-0009 EA 1,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	907.83	104.53
<i>For Stainless Steel Housing, Add</i>		
	147.77	
23 55 23 13-0010 EA 3,200 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	971.48	104.53
<i>For Stainless Steel Housing, Add</i>		
	163.68	
23 55 23 13-0011 EA 5,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	1,044.23	104.53
<i>For Stainless Steel Housing, Add</i>		
	181.87	
23 55 23 13-0012 EA 7,300 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	1,131.69	104.53
<i>For Stainless Steel Housing, Add</i>		
	203.74	
23 55 23 13-0013 EA 10,950 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	1,235.94	114.03
<i>For Stainless Steel Housing, Add</i>		
	227.02	
23 55 23 13-0014 EA 13,500 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	1,320.35	123.53
<i>For Stainless Steel Housing, Add</i>		
	244.48	
23 55 23 13-0015 EA 24,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	2,126.77	133.04
<i>For Stainless Steel Housing, Add</i>		
	436.58	
23 55 23 13-0016 Gas Fired Tubular Infrared Heater <small>(23 55 23 13-0001)</small>		
Note: Includes controls and supports.		
23 55 23 13-0017 "U" Package <small>(23 55 23 13-0016)</small>		
23 55 23 13-0018 LF Up To 75 MBH Input Radiant Heater	66.12	4.63
23 55 23 13-0019 LF 76 To 105 MBH Input Radiant Heater.....	76.35	5.55
23 55 23 13-0020 LF 106 To 130 MBH Input Radiant Heater.....	93.14	6.48
23 55 23 13-0021 "S" Straight Package <small>(23 55 23 13-0016)</small>		
23 55 23 13-0022 LF Up To 75 MBH Input Radiant Heater	53.82	3.70
23 55 23 13-0023 LF 76 To 105 MBH Input Radiant Heater.....	68.36	4.63
23 55 23 13-0024 LF 106 To 130 MBH Input Radiant Heater.....	82.89	5.55
23 55 33 Fuel-Fired Unit Heaters <small>(23 55)</small>		
23 55 33 13 Oil-Fired Unit Heaters <small>(23 55 33)</small>		
23 55 33 13-0001 Oil Fired Unit Heater <small>(23 55 33 13)</small>		
23 55 33 13-0002 Horizontal Fan Propelled Oil Fired Unit Heater, 115 Volt <small>(23 55 33 13-0001)</small>		
23 55 33 13-0003 EA 97 MBH Output, 2,000 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	5,774.90	426.27
23 55 33 13-0004 EA 142 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	6,197.60	468.89
23 55 33 13-0005 EA 188 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	6,658.84	511.52
23 55 33 16 Gas-Fired Unit Heaters <small>(23 55 33)</small>		
23 55 33 16-0001 Gas Fired Unit Heaters <small>(23 55 33 16)</small>		
23 55 33 16-0002 Horizontal Fan Propelled Gas Fired Unit Heaters, 115 Volt <small>(23 55 33 16-0001)</small>		
23 55 33 16-0003 EA 24.3 MBH Output, 30 MBH Input, 500 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,457.32	159.85
23 55 33 16-0004 EA 36.5 MBH Output, 45 MBH Input, 750 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,599.43	191.82
23 55 33 16-0005 EA 48.6 MBH Output, 60 MBH Input, 1,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,623.26	191.82
23 55 33 16-0006 EA 60.8 MBH Output, 75 MBH Input, 1,250 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,776.85	223.79
23 55 33 16-0007 EA 72.9 MBH Output, 90 MBH Input, 1,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,957.10	255.76
23 55 33 16-0008 EA 81 MBH Output, 100 MBH Input, 1,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,099.67	271.75
23 55 33 16-0009 EA 101.3 MBH Output, 125 MBH Input, 2,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,159.75	271.75
23 55 33 16-0010 EA 121.5 MBH Output, 150 MBH Input, 2,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,108.26	271.75
23 55 33 16-0011 EA 141.8 MBH Output, 175 MBH Input, 2,850 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,497.83	287.73
23 55 33 16-0012 EA 162 MBH Output, 200 MBH Input, 3,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,732.41	287.73
23 55 33 16-0013 EA 202.5 MBH Output, 250 MBH Input, 3,450 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,926.94	287.73
23 55 33 16-0014 EA 243 MBH Output, 300 MBH Input, 5,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	3,492.57	319.70
23 55 33 16-0015 EA 283.5 MBH Output, 350 MBH Input, 5,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	3,933.12	319.70
23 55 33 16-0016 EA 324 MBH Output, 400 MBH Input, 5,800 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	4,222.03	351.68
23 55 33 16-0017 Removal And Reinstallation Of Unit Heaters <small>(23 55 33 16)</small>		
Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 55 33 16-0018 EA Removal And Reinstallation Of Up To 101.3 MBH Output Gas or Oil Unit Heater.....	532.50	
23 55 33 16-0019 EA Removal And Reinstallation Of >101.3 MBH Output Gas or Oil Unit Heater	717.71	
23 57 Heat Exchangers for HVAC <small>(23 50)</small>		
23 57 13 Steam-To-Steam Heat Exchangers <small>(23 57)</small>		
23 57 13 00-0001 Steam Generator Heat Exchanger <small>(23 57 13)</small>		
Note: 35 PSI generated steam using 180 degree feed water; 400 degree F water to valve.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 57 13 00-0002	EA	75 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	12,978.37	1,481.73
23 57 13 00-0003	EA	300 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	17,288.80	1,574.33
23 57 13 00-0004	EA	525 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	23,217.63	1,941.14

23 57 16 Steam-To-Water Heat Exchangers (23 57)

23 57 16 00-0001 Heat Exchanger, Hot Water 40 To 180 Degree By Steam 10 PSI (23 57 16)

Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes. Excludes controls expansion tank and accessories.

23 57 16 00-0002	EA	8 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	1,501.45	231.52
		<i>For Bronze Head And Tube Sheet, Add</i>	536.74	
		<i>For Copper Nickel Tubes, Add</i>	119.28	
		<i>For Double Wall Tube Bundles, Add</i>	178.91	
23 57 16 00-0003	EA	10 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	2,176.60	231.52
		<i>For Bronze Head And Tube Sheet, Add</i>	812.78	
		<i>For Copper Nickel Tubes, Add</i>	180.62	
		<i>For Double Wall Tube Bundles, Add</i>	270.93	
23 57 16 00-0004	EA	40 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	3,257.49	324.13
		<i>For Bronze Head And Tube Sheet, Add</i>	1,257.50	
		<i>For Copper Nickel Tubes, Add</i>	279.45	
		<i>For Double Wall Tube Bundles, Add</i>	419.17	
23 57 16 00-0005	EA	64 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	5,185.91	324.13
		<i>For Bronze Head And Tube Sheet, Add</i>	1,916.92	
		<i>For Copper Nickel Tubes, Add</i>	425.98	
		<i>For Double Wall Tube Bundles, Add</i>	638.97	
23 57 16 00-0006	EA	96 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	6,814.65	381.54
		<i>For Bronze Head And Tube Sheet, Add</i>	2,545.67	
		<i>For Copper Nickel Tubes, Add</i>	565.71	
		<i>For Double Wall Tube Bundles, Add</i>	848.56	
23 57 16 00-0007	EA	120 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	8,957.05	481.22
		<i>For Bronze Head And Tube Sheet, Add</i>	3,343.11	
		<i>For Copper Nickel Tubes, Add</i>	742.91	
		<i>For Double Wall Tube Bundles, Add</i>	1,114.37	
23 57 16 00-0008	EA	168 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	11,085.28	722.29
		<i>For Bronze Head And Tube Sheet, Add</i>	4,094.55	
		<i>For Copper Nickel Tubes, Add</i>	909.90	
		<i>For Double Wall Tube Bundles, Add</i>	1,364.85	
23 57 16 00-0009	EA	240 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	16,659.57	722.29
		<i>For Bronze Head And Tube Sheet, Add</i>	6,379.52	
		<i>For Copper Nickel Tubes, Add</i>	1,417.67	
		<i>For Double Wall Tube Bundles, Add</i>	2,126.51	

23 57 19 Liquid-To-Liquid Heat Exchangers (23 57)

23 57 19 13 Plate-Type, Liquid-To-Liquid Heat Exchangers (23 57 19)

23 57 19 13-0001 Plate And Frame Heat Exchanger (23 57 19 13)

23 57 19 13-0002	EA	8" W x 18-7/8"H Plate And Frame Heat Exchanger.....	2,361.62	231.52
23 57 19 13-0003	EA	8" W x 24-9/16"H Plate And Frame Heat Exchanger.....	3,102.53	231.52
23 57 19 13-0004	EA	11-3/16" W x 34-11/16"H Plate And Frame Heat Exchanger.....	4,121.23	277.82
23 57 19 13-0005	EA	16-3/4" W x 46-1/4"H Plate And Frame Heat Exchanger.....	5,556.80	300.98
23 57 19 13-0006	EA	16-1/2" W x 49-5/8"H Plate And Frame Heat Exchanger.....	6,066.18	300.98
23 57 19 13-0007	EA	24" W x 57-11/16"H Plate And Frame Heat Exchanger.....	7,872.21	324.13
23 57 19 13-0008	EA	26-5/16" W x 56-5/8"H Plate And Frame Heat Exchanger.....	8,288.97	324.13
23 57 19 13-0009	EA	24-1/4" W x 68-3/8"H Plate And Frame Heat Exchanger.....	10,233.77	370.43
23 57 19 13-0010	EA	24" W x 69-11/16"H Plate And Frame Heat Exchanger.....	12,502.73	416.73
23 57 19 13-0011	EA	26-5/16" W x 68-3/4"H Plate And Frame Heat Exchanger.....	12,965.80	416.73
23 57 19 13-0012	EA	24" W x 89-13/16"H Plate And Frame Heat Exchanger.....	16,042.86	487.54
23 57 19 13-0013	EA	26-5/16" W x 88-9/16"H Plate And Frame Heat Exchanger.....	19,337.22	536.21
23 57 19 13-0014	EA	40-13/16" W x 89-1/4"H Plate And Frame Heat Exchanger.....	22,307.31	584.88

23 57 19 19 Copper Tube, Water-To-Water Heat Exchanger (23 57 19)

23 57 19 19-0001 Heat Exchanger Hot Water 40-140 Degree By Water At 200 Degree F (23 57 19)

Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes.

23 57 19 19-0002	EA	7 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	1,774.08	231.52
		<i>For Copper Nickel Tubes, Add</i>	146.54	
		<i>For Double Wall Tube Bundles, Add</i>	219.81	
23 57 19 19-0003	EA	16 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	2,449.23	231.52
		<i>For Copper Nickel Tubes, Add</i>	207.88	
		<i>For Double Wall Tube Bundles, Add</i>	311.82	
23 57 19 19-0004	EA	34 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	3,632.35	324.13
		<i>For Copper Nickel Tubes, Add</i>	316.93	
		<i>For Double Wall Tube Bundles, Add</i>	475.40	
23 57 19 19-0005	EA	55 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	5,183.92	324.13
		<i>For Copper Nickel Tubes, Add</i>	456.65	
		<i>For Double Wall Tube Bundles, Add</i>	684.98	
23 57 19 19-0006	EA	74 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	6,428.26	370.43
		<i>For Copper Nickel Tubes, Add</i>	562.30	
		<i>For Double Wall Tube Bundles, Add</i>	843.45	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 57 Heat Exchangers for HVAC



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 57 19 19-0007 EA 86 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	8,540.27 756.55 1,134.82	370.43
23 57 19 19-0008 EA 112 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	10,574.11 940.57 1,410.86	361.15
23 57 19 19-0009 EA 126 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	13,141.83 1,172.31 1,758.46	361.15
23 57 19 19-0010 EA 152 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	16,800.32 1,499.46 2,249.19	361.15

23 57 19 23 Refrigerant-To-Water Heat Exchanger (23 57 19)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 57 19 23-0001 Heat Exchanger Refrigerant To Water (23 57 19 23)		
23 57 19 23-0002 EA 10 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	2,010.76 164.03 246.05	185.21
23 57 19 23-0003 EA 53 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	5,256.52 463.91 695.87	308.67
23 57 19 23-0004 EA 70 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	7,075.39 627.15 940.73	402.65
23 57 19 23-0005 EA 87 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	7,620.12 664.74 997.10	487.40
23 57 19 23-0006 EA 105 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	9,185.89 802.02 1,203.03	573.58

23 60 Central Cooling Equipment (23)

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 00-0001 for disconnect.

23 61 Refrigerant Compressors (23 60)

23 61 16 Reciprocating Refrigerant Compressors (23 61)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 61 16 00-0001 Reciprocating Open Type Refrigerant Compressors (23 61 16) Note: Includes manual reversible oil pump and automatic pressure regulator. Excludes muffler, vibration isolators, crank case oil heaters, couplings and flywheel.		
23 61 16 00-0002 EA 1/4 Ton Refrigerant Compressor, Reciprocating Open Type	435.89	86.71
23 61 16 00-0003 EA 1/3 Ton Refrigerant Compressor, Reciprocating Open Type	508.29	86.71
23 61 16 00-0004 EA 1/2 Ton Refrigerant Compressor, Reciprocating Open Type	684.38	108.35
23 61 16 00-0005 EA 3/4 Ton Refrigerant Compressor, Reciprocating Open Type	833.72	108.35
23 61 16 00-0006 EA 1 Ton Refrigerant Compressor, Reciprocating Open Type	924.22	108.35
23 61 16 00-0007 EA 1-1/4 Ton Refrigerant Compressor, Reciprocating Open Type	938.18	112.72
23 61 16 00-0008 EA 1-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	943.46	112.72
23 61 16 00-0009 EA 1-3/4 Ton Refrigerant Compressor, Reciprocating Open Type	1,034.72	121.39
23 61 16 00-0010 EA 2 Ton Refrigerant Compressor, Reciprocating Open Type	1,112.40	130.07
23 61 16 00-0011 EA 2-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	1,211.19	138.74
23 61 16 00-0012 EA 3 Ton Refrigerant Compressor, Reciprocating Open Type	1,366.56	138.74
23 61 16 00-0013 EA 3-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	1,528.70	147.41
23 61 16 00-0014 EA 4 Ton Refrigerant Compressor, Reciprocating Open Type	1,564.16	156.08
23 61 16 00-0015 EA 4-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	1,590.92	160.37
23 61 16 00-0016 EA 5 Ton Refrigerant Compressor, Reciprocating Open Type	2,580.46	839.55
23 61 16 00-0017 EA 7.5 Ton Refrigerant Compressor, Reciprocating Open Type	3,765.85	959.44
23 61 16 00-0018 EA 10 Ton Refrigerant Compressor, Reciprocating Open Type	4,951.36	1,079.42
23 61 16 00-0019 EA 12.5 Ton Refrigerant Compressor, Reciprocating Open Type	6,437.85	1,169.29
23 61 16 00-0020 EA 15 Ton Refrigerant Compressor, Reciprocating Open Type	7,924.60	1,259.32
23 61 16 00-0021 EA 20 Ton Refrigerant Compressor, Reciprocating Open Type	9,509.51	1,511.19
23 61 16 00-0022 EA 25 Ton Refrigerant Compressor, Reciprocating Open Type	11,364.17	1,624.24
23 61 16 00-0023 EA 30 Ton Refrigerant Compressor, Reciprocating Open Type	13,137.48	1,717.27
23 61 16 00-0024 EA 50 Ton Refrigerant Compressor, Reciprocating Open Type	17,088.28	1,937.45
23 61 16 00-0025 EA 60 Ton Refrigerant Compressor, Reciprocating Open Type	20,030.85	1,988.25
23 61 16 00-0026 EA 70 Ton Refrigerant Compressor, Reciprocating Open Type	24,883.92	2,038.98
23 61 16 00-0027 EA 75 Ton Refrigerant Compressor, Reciprocating Open Type	26,101.85	2,064.43
23 61 16 00-0028 EA 80 Ton Refrigerant Compressor, Reciprocating Open Type	27,269.37	2,089.80
23 61 16 00-0029 EA 90 Ton Refrigerant Compressor, Reciprocating Open Type	29,455.80	2,140.53
23 61 16 00-0030 EA 100 Ton Refrigerant Compressor, Reciprocating Open Type	31,443.72	2,191.41
23 61 16 00-0031 EA 110 Ton Refrigerant Compressor, Reciprocating Open Type	33,751.15	2,473.86
23 61 16 00-0032 EA 120 Ton Refrigerant Compressor, Reciprocating Open Type	35,342.53	2,529.23
23 61 16 00-0033 EA 130 Ton Refrigerant Compressor, Reciprocating Open Type	36,700.48	2,561.42
23 61 16 00-0034 EA 140 Ton Refrigerant Compressor, Reciprocating Open Type	37,929.13	2,640.67
23 61 16 00-0035 EA 150 Ton Refrigerant Compressor, Reciprocating Open Type	38,921.54	2,696.04
23 61 16 00-0036 EA 175 Ton Refrigerant Compressor, Reciprocating Open Type	39,941.11	2,769.92
23 61 16 00-0037 EA 185 Ton Refrigerant Compressor, Reciprocating Open Type	40,893.72	2,799.70
23 61 16 00-0038 EA 200 Ton Refrigerant Compressor, Reciprocating Open Type	41,872.08	2,846.03
23 61 16 00-0039 EA 225 Ton Refrigerant Compressor, Reciprocating Open Type	43,079.53	3,037.97



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 61 16 00-0040 EA 250 Ton Refrigerant Compressor, Reciprocating Open Type.....	44,241.22	3,201.73
23 61 16 00-0041 Reciprocating Hermetic Type Refrigerant Compressors ^(23 61 16)		
Note: Includes automatic reversible oil pump, suction and discharge shut-off valves, device for loading and unloading compressor cylinders and crank case oil heater. Excludes mufflers and vibration isolators.		
23 61 16 00-0042 Reciprocating Hermetic Type Refrigerant Compressors <5 Tons ^(23 61 16 00-0041)		
23 61 16 00-0043 EA 1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,227.03	86.71
23 61 16 00-0044 EA 1/3 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,271.88	86.71
23 61 16 00-0045 EA 1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,360.07	108.35
23 61 16 00-0046 EA 3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,404.88	108.35
23 61 16 00-0047 EA 1 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,427.30	108.35
23 61 16 00-0048 EA 1-1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,471.85	112.72
23 61 16 00-0049 EA 1-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,521.18	112.72
23 61 16 00-0050 EA 1-3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,632.65	121.39
23 61 16 00-0051 EA 2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,739.68	130.07
23 61 16 00-0052 EA 2-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,891.51	138.74
23 61 16 00-0053 EA 3 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,981.19	138.74
23 61 16 00-0054 EA 3-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,133.01	147.41
23 61 16 00-0055 EA 4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,553.88	156.08
23 61 16 00-0056 EA 4-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,809.14	160.37
23 61 16 00-0057 Reciprocating Hermetic Type Refrigerant Compressors ^(23 61 16 00-0041)		
23 61 16 00-0058 EA 5 Ton Refrigerant Compressor, Reciprocating Hermetic Type	3,397.47	431.76
23 61 16 00-0059 EA 10 Ton Refrigerant Compressor, Reciprocating Hermetic Type	6,701.47	539.71
23 61 16 00-0060 EA 15 Ton Refrigerant Compressor, Reciprocating Hermetic Type	11,395.40	657.05
23 61 16 00-0061 EA 20 Ton Refrigerant Compressor, Reciprocating Hermetic Type	14,584.25	755.59
23 61 16 00-0062 EA 25 Ton Refrigerant Compressor, Reciprocating Hermetic Type	16,102.63	839.55
23 61 16 00-0063 EA 30 Ton Refrigerant Compressor, Reciprocating Hermetic Type	17,841.62	944.50
23 61 16 00-0064 EA 35 Ton Refrigerant Compressor, Reciprocating Hermetic Type	23,196.16	1,079.42
23 61 16 00-0065 EA 40 Ton Refrigerant Compressor, Reciprocating Hermetic Type	30,093.18	1,079.42
23 61 16 00-0066 EA 50 Ton Refrigerant Compressor, Reciprocating Hermetic Type	37,229.96	1,259.32
23 61 16 00-0067 EA 60 Ton Refrigerant Compressor, Reciprocating Hermetic Type	41,971.82	1,349.28
23 61 16 00-0068 EA 70 Ton Refrigerant Compressor, Reciprocating Hermetic Type	44,356.52	1,414.03
23 61 16 00-0069 EA 75 Ton Refrigerant Compressor, Reciprocating Hermetic Type	45,574.42	1,483.88
23 61 16 00-0070 EA 80 Ton Refrigerant Compressor, Reciprocating Hermetic Type	46,898.82	1,489.64
23 61 16 00-0071 EA 90 Ton Refrigerant Compressor, Reciprocating Hermetic Type	49,268.28	1,559.73
23 61 16 00-0072 EA 100 Ton Refrigerant Compressor, Reciprocating Hermetic Type	51,666.97	1,624.24
23 61 19 Scroll Refrigerant Compressors ^(23 61)		
23 61 19 00-0001 Scroll Refrigerant Compressors ^(23 61 19)		
23 61 19 00-0002 EA Up To 3 Ton Scroll Refrigerant Compressor.....	1,076.47	138.57
23 61 19 00-0003 EA 3.5 Ton Scroll Refrigerant Compressor	1,128.89	147.49
23 61 19 00-0004 EA 4 Ton Scroll Refrigerant Compressor	1,156.98	156.00
23 61 19 00-0005 EA 4.5 Ton Scroll Refrigerant Compressor	1,179.74	160.46
23 61 19 00-0006 EA 5 Ton Scroll Refrigerant Compressor	1,461.94	202.60
23 61 19 00-0007 EA 7.5 Ton Scroll Refrigerant Compressor	2,776.24	303.89
23 61 19 00-0008 EA 8.75 Ton Scroll Refrigerant Compressor	3,177.11	354.54
23 61 19 00-0009 EA 10 Ton Scroll Refrigerant Compressor	3,560.34	405.18
23 61 19 00-0010 EA 12 Ton Scroll Refrigerant Compressor	4,302.51	486.22
23 61 19 00-0011 EA 13.5 Ton Scroll Refrigerant Compressor	5,070.63	547.00
23 61 19 00-0012 EA 15 Ton Scroll Refrigerant Compressor	5,944.34	607.78
23 61 19 00-0013 EA 20 Ton Scroll Refrigerant Compressor	8,373.30	810.38
23 61 19 00-0014 EA 25 Ton Scroll Refrigerant Compressor	9,449.09	1,012.97
23 61 19 00-0015 EA 30 Ton Scroll Refrigerant Compressor	10,115.29	1,215.56
23 61 23 Rotary-Screw Refrigerant Compressors ^(23 61)		
23 61 23 00-0001 Rotary Screw Type Refrigerant Compressors ^(23 61 23)		
23 61 23 00-0002 EA 75 Ton Refrigerant Compressor, Rotary Screw Type	52,975.61	2,064.43
23 61 23 00-0003 EA 80 Ton Refrigerant Compressor, Rotary Screw Type	54,622.19	2,089.80
23 61 23 00-0004 EA 90 Ton Refrigerant Compressor, Rotary Screw Type	58,196.16	2,140.53
23 61 23 00-0005 EA 100 Ton Refrigerant Compressor, Rotary Screw Type	61,730.13	2,191.41
23 61 23 00-0006 EA 110 Ton Refrigerant Compressor, Rotary Screw Type	66,394.40	2,473.86
23 61 23 00-0007 EA 120 Ton Refrigerant Compressor, Rotary Screw Type	70,541.32	2,529.23
23 61 23 00-0008 EA 130 Ton Refrigerant Compressor, Rotary Screw Type	74,615.20	2,561.42
23 61 23 00-0009 EA 140 Ton Refrigerant Compressor, Rotary Screw Type	78,792.87	2,640.67
23 61 23 00-0010 EA 150 Ton Refrigerant Compressor, Rotary Screw Type	82,941.85	2,696.04
23 61 23 00-0011 EA 170 Ton Refrigerant Compressor, Rotary Screw Type	88,794.88	2,769.92
23 61 23 00-0012 EA 185 Ton Refrigerant Compressor, Rotary Screw Type	92,888.08	2,799.70
23 61 23 00-0013 EA 200 Ton Refrigerant Compressor, Rotary Screw Type	94,770.91	2,846.03
23 61 23 00-0014 EA 215 Ton Refrigerant Compressor, Rotary Screw Type	106,514.01	3,037.97
23 61 23 00-0015 EA 225 Ton Refrigerant Compressor, Rotary Screw Type	118,140.27	3,201.73

23 62 Packaged Compressor and Condenser Units ^(23 60)

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 62 Packaged Compressor and Condenser Units**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**23 62 13 Packaged Air-Cooled Refrigerant Compressor and Condenser Units (23 62)****23 62 13 00-0001****Combination Direct-Expansion Liquid Cooler And Compressors (23 62 13)**

Note: Shell and tube type. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.

23 62 13 00-0002	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	5,762.27	748.78
23 62 13 00-0003	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	12,828.17	802.28
23 62 13 00-0004	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	22,559.12	855.76
23 62 13 00-0005	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	26,729.11	909.24
23 62 13 00-0006	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	31,716.87	962.72
23 62 13 00-0007	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	35,150.11	1,069.69
23 62 13 00-0008	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	36,177.27	1,207.88
23 62 13 00-0009	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	38,968.16	1,416.54
23 62 13 00-0010	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	41,579.02	1,534.58
23 62 13 00-0011	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	47,659.55	1,652.63
23 62 13 00-0012	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	53,884.10	1,829.70
23 62 13 00-0013	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	56,950.69	1,900.74
23 62 13 00-0014	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	64,307.03	2,019.54
23 62 13 00-0015	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	70,292.98	2,138.34

23 62 13 00-0016**Direct-Expansion Liquid Cooler Shell And Tube Type (23 62 13)**

Note: For built-up systems. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Excludes compressors. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.

23 62 13 00-0017	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	5,498.17	748.78
23 62 13 00-0018	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	11,325.00	802.28
23 62 13 00-0019	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	17,696.15	855.76
23 62 13 00-0020	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	19,113.45	909.24
23 62 13 00-0021	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	20,530.74	962.72
23 62 13 00-0022	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	24,337.17	1,069.69
23 62 13 00-0023	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	27,583.49	1,207.88
23 62 13 00-0024	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	35,431.30	1,416.54
23 62 13 00-0025	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	39,740.41	1,534.58
23 62 13 00-0026	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	43,020.32	1,652.63
23 62 13 00-0027	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	49,466.85	1,829.70
23 62 13 00-0028	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	52,393.33	1,900.74
23 62 13 00-0029	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	57,476.69	2,019.54
23 62 13 00-0030	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	65,552.76	2,138.34

23 62 13 00-0031**Packaged Chiller With Remote Air Cooled Condenser (23 62 13)**

Note: With remote air cooled condenser rated by cooling capacity. Units are factory assembled package type and include hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, vibration eliminators, phase monitoring for 3 phase units, start-up and equipment rigging. Units include dual compressors. Excludes piping and power wiring.

23 62 13 00-0032	EA	15 Ton Packaged Chiller With Remote Air Cooled Condensers.....	40,159.42	6,882.57
		<i>For Gas Fired Engine Driven, Add</i>	7,000.02	
23 62 13 00-0033	EA	20 Ton Packaged Chiller With Remote Air Cooled Condensers.....	45,474.41	7,254.59
		<i>For Gas Fired Engine Driven, Add</i>	8,007.24	
23 62 13 00-0034	EA	25 Ton Packaged Chiller With Remote Air Cooled Condensers.....	52,921.21	7,894.62
		<i>For Gas Fired Engine Driven, Add</i>	9,400.64	
23 62 13 00-0035	EA	30 Ton Packaged Chiller With Remote Air Cooled Condensers.....	59,283.15	8,388.09
		<i>For Gas Fired Engine Driven, Add</i>	10,599.05	
23 62 13 00-0036	EA	40 Ton Packaged Chiller With Remote Air Cooled Condensers.....	74,423.30	9,255.81
		<i>For Gas Fired Engine Driven, Add</i>	13,496.98	
23 62 13 00-0037	EA	50 Ton Packaged Chiller With Remote Air Cooled Condensers.....	82,270.98	9,586.34
		<i>For Gas Fired Engine Driven, Add</i>	15,016.96	
23 62 13 00-0038	EA	60 Ton Packaged Chiller With Remote Air Cooled Condensers.....	89,431.20	10,323.76
		<i>For Gas Fired Engine Driven, Add</i>	16,338.45	
23 62 13 00-0039	EA	70 Ton Packaged Chiller With Remote Air Cooled Condensers.....	109,101.23	11,046.07
		<i>For Gas Fired Engine Driven, Add</i>	20,143.47	
23 62 13 00-0040	EA	75 Ton Packaged Chiller With Remote Air Cooled Condensers.....	110,397.26	11,255.25
		<i>For Gas Fired Engine Driven, Add</i>	20,392.00	
23 62 13 00-0041	EA	80 Ton Packaged Chiller With Remote Air Cooled Condensers.....	112,320.25	11,744.65
		<i>For Gas Fired Engine Driven, Add</i>	20,703.23	
23 62 13 00-0042	EA	90 Ton Packaged Chiller With Remote Air Cooled Condensers.....	124,845.49	12,278.51
		<i>For Gas Fired Engine Driven, Add</i>	23,128.24	
23 62 13 00-0043	EA	100 Ton Packaged Chiller With Remote Air Cooled Condensers.....	138,335.95	12,863.23
		<i>For Gas Fired Engine Driven, Add</i>	25,738.68	
23 62 13 00-0044	EA	110 Ton Packaged Chiller With Remote Air Cooled Condensers.....	153,595.92	13,506.35
		<i>For Gas Fired Engine Driven, Add</i>	28,694.24	
23 62 13 00-0045	EA	120 Ton Packaged Chiller With Remote Air Cooled Condensers.....	166,194.35	14,217.23
		<i>For Gas Fired Engine Driven, Add</i>	31,107.35	
23 62 13 00-0046	EA	140 Ton Packaged Chiller With Remote Air Cooled Condensers.....	183,596.34	15,007.06
		<i>For Gas Fired Engine Driven, Add</i>	34,469.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 62 23 Packaged Water-Cooled Refrigerant Compressor and Condenser Units (23 62)

23 62 23 00-0001 Water Cooled Condensing Units (23 62 23)		
Note: Includes compressor, condenser and motor, and equipment rigging. Excludes piping and power wiring.		
23 62 23 00-0002 EA 5 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	4,749.72	592.52
23 62 23 00-0003 EA 10 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	7,191.43	865.32
23 62 23 00-0004 EA 15 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	8,213.13	937.79
23 62 23 00-0005 EA 20 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	10,170.01	1,125.34
23 62 23 00-0006 EA 30 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	11,027.54	1,323.99
23 62 23 00-0007 EA 60 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	23,046.38	1,954.59
23 62 23 00-0008 EA 80 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	28,576.66	2,359.01
23 62 23 00-0009 EA 120 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	39,257.27	2,581.12

23 63 Refrigerant Condensers (23 60)

23 63 13 Air-Cooled Refrigerant Condensers (23 63)

23 63 13 00-0001 Air Cooled Condensing Units (23 63 13)		
Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers and phase monitoring for 3 phase units and equipment rigging. Meets minimum ASHRAE EER requirements. Excludes piping and power wiring.		
23 63 13 00-0002 EA 6 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	3,141.75	592.52
<i>For >10 To 25, Deduct</i>		
	-67.33	
<i>For >25 To 50, Deduct</i>		
	-112.22	
<i>For >50, Deduct</i>		
	-179.55	
<i>For Low Ambient Protection, 0 Degree F, Add</i>		
	516.12	
<i>For Winter Start Control, Add</i>		
	179.51	
23 63 13 00-0003 EA 7.5 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	3,758.87	703.34
<i>For >10 To 25, Deduct</i>		
	-80.80	
<i>For >25 To 50, Deduct</i>		
	-134.66	
<i>For >50, Deduct</i>		
	-215.46	
<i>For Low Ambient Protection, 0 Degree F, Add</i>		
	481.87	
<i>For Winter Start Control, Add</i>		
	160.43	
23 63 13 00-0004 EA 10 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	4,854.33	865.32
<i>For >10 To 25, Deduct</i>		
	-106.28	
<i>For >25 To 50, Deduct</i>		
	-177.14	
<i>For >50, Deduct</i>		
	-283.42	
<i>For Low Ambient Protection, 0 Degree F, Add</i>		
	575.89	
<i>For Winter Start Control, Add</i>		
	202.01	
23 63 13 00-0005 EA 12.5 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	5,891.90	900.28
<i>For >10 To 25, Deduct</i>		
	-135.84	
<i>For >25 To 50, Deduct</i>		
	-226.39	
<i>For >50, Deduct</i>		
	-362.23	
<i>For Low Ambient Protection, 0 Degree F, Add</i>		
	657.96	
<i>For Winter Start Control, Add</i>		
	226.96	
23 63 13 00-0006 EA 15 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	6,933.84	937.79
<i>For >10 To 25, Deduct</i>		
	-165.39	
<i>For >25 To 50, Deduct</i>		
	-275.65	
<i>For >50, Deduct</i>		
	-441.04	
<i>For Low Ambient Protection, 0 Degree F, Add</i>		
	686.00	
<i>For Winter Start Control, Add</i>		
	197.22	
23 63 13 00-0007 EA 20 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	8,880.92	1,125.34
<i>For >10 To 25, Deduct</i>		
	-215.28	
<i>For >25 To 50, Deduct</i>		
	-358.79	
<i>For >50, Deduct</i>		
	-574.07	
<i>For Low Ambient Protection, 0 Degree F, Add</i>		
	856.82	
<i>For Winter Start Control, Add</i>		
	242.27	
23 63 13 00-0008 EA 25 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	10,056.84	1,210.61
<i>For >10 To 25, Deduct</i>		
	-246.73	
<i>For >25 To 50, Deduct</i>		
	-411.21	
<i>For >50, Deduct</i>		
	-657.94	
<i>For Low Ambient Protection, 0 Degree F, Add</i>		
	910.49	
<i>For Winter Start Control, Add</i>		
	265.50	
23 63 13 00-0009 EA 30 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	11,488.87	1,321.43
<i>For >10 To 25, Deduct</i>		
	-284.68	
<i>For >25 To 50, Deduct</i>		
	-474.47	
<i>For >50, Deduct</i>		
	-759.16	
<i>For Low Ambient Protection, 0 Degree F, Add</i>		
	974.32	
<i>For Winter Start Control, Add</i>		
	294.83	
23 63 13 00-0010 EA 40 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	15,637.88	1,554.78
<i>For >10 To 25, Deduct</i>		
	-397.20	
<i>For >25 To 50, Deduct</i>		
	-662.00	
<i>For >50, Deduct</i>		
	-1,059.21	
<i>For Low Ambient Protection, 0 Degree F, Add</i>		
	1,261.45	
<i>For Winter Start Control, Add</i>		
	372.18	
23 63 13 00-0011 EA 50 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	19,033.53	1,954.59
<i>For >10 To 25, Deduct</i>		
	-480.57	
<i>For >25 To 50, Deduct</i>		
	-800.96	
<i>For >50, Deduct</i>		
	-1,281.53	
<i>For Low Ambient Protection, 0 Degree F, Add</i>		
	1,394.36	
<i>For Winter Start Control, Add</i>		
	381.53	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 60 Central Cooling Equipment

23 63 Refrigerant Condensers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63	13 00-0012	EA	60 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	21,827.65	2,157.26
			<i>For >10 To 25, Deduct</i>	-557.66	
			<i>For >25 To 50, Deduct</i>	-929.43	
			<i>For >50, Deduct</i>	-1,487.08	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,553.32	
			<i>For Winter Start Control, Add</i>	416.85	
23 63	13 00-0013	EA	80 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	28,039.56	2,359.01
			<i>For >10 To 25, Deduct</i>	-732.05	
			<i>For >25 To 50, Deduct</i>	-1,220.08	
			<i>For >50, Deduct</i>	-1,952.12	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,885.57	
			<i>For Winter Start Control, Add</i>	485.81	
23 63	13 00-0014	EA	100 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	38,395.66	2,124.04
			<i>For >10 To 25, Deduct</i>	-1,022.15	
			<i>For >25 To 50, Deduct</i>	-1,703.59	
			<i>For >50, Deduct</i>	-2,725.74	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	2,103.13	
			<i>For Winter Start Control, Add</i>	602.75	
23 63	13 00-0015	EA	120 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	46,947.19	2,196.04
			<i>For >10 To 25, Deduct</i>	-1,274.30	
			<i>For >25 To 50, Deduct</i>	-2,123.84	
			<i>For >50, Deduct</i>	-3,398.14	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	2,391.92	

23 63 13 00-0016 Air Cooled Condensing Units (23 63 13)

Note: Include compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers, 14 SEER, 1 or 3 phase and equipment rigging. Higher SEER ratings can be obtained by oversizing evaporators. Excludes piping and power wiring.

23 63	13 00-0017	EA	1.5 Ton, 14 SEER, Air Cooled Condensing Unit.....	1,301.30	309.61
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For >10 To 25, Deduct</i>	-25.11	
			<i>For >25 To 50, Deduct</i>	-41.84	
			<i>For >50, Deduct</i>	-66.95	
			<i>For 16 SEER, Add</i>	343.12	
			<i>For 18 SEER, Add</i>	719.72	
23 63	13 00-0018	EA	2 Ton, 14 SEER, Air Cooled Condensing Unit.....	1,406.23	344.19
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For >10 To 25, Deduct</i>	-26.71	
			<i>For >25 To 50, Deduct</i>	-44.51	
			<i>For >50, Deduct</i>	-71.22	
			<i>For 16 SEER, Add</i>	364.98	
			<i>For 18 SEER, Add</i>	765.57	
23 63	13 00-0019	EA	2.5 Ton, 14 SEER, Air Cooled Condensing Unit.....	1,500.30	378.60
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For >10 To 25, Deduct</i>	-27.98	
			<i>For >25 To 50, Deduct</i>	-46.63	
			<i>For >50, Deduct</i>	-74.61	
			<i>For 16 SEER, Add</i>	382.40	
			<i>For 18 SEER, Add</i>	802.10	
23 63	13 00-0020	EA	3 Ton, 14 SEER, Air Cooled Condensing Unit.....	1,710.07	412.82
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For >10 To 25, Deduct</i>	-32.73	
			<i>For >25 To 50, Deduct</i>	-54.54	
			<i>For >50, Deduct</i>	-87.27	
			<i>For 16 SEER, Add</i>	447.24	
			<i>For 18 SEER, Add</i>	938.12	
23 63	13 00-0021	EA	3.5 Ton, 14 SEER, Air Cooled Condensing Unit.....	1,816.80	447.45
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For >10 To 25, Deduct</i>	-34.38	
			<i>For >25 To 50, Deduct</i>	-57.30	
			<i>For >50, Deduct</i>	-91.68	
			<i>For 16 SEER, Add</i>	469.85	
			<i>For 18 SEER, Add</i>	985.53	
23 63	13 00-0022	EA	4 Ton, 14 SEER, Air Cooled Condensing Unit.....	2,014.81	481.87
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For >10 To 25, Deduct</i>	-38.77	
			<i>For >25 To 50, Deduct</i>	-64.62	
			<i>For >50, Deduct</i>	-103.39	
			<i>For 16 SEER, Add</i>	529.88	
			<i>For 18 SEER, Add</i>	1,111.45	
23 63	13 00-0023	EA	5 Ton, 14 SEER, Air Cooled Condensing Unit.....	2,257.52	516.03
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For >10 To 25, Deduct</i>	-44.50	
			<i>For >25 To 50, Deduct</i>	-74.17	
			<i>For >50, Deduct</i>	-118.68	
			<i>For 15 SEER, Add</i>	356.04	
			<i>For 16 SEER, Add</i>	608.23	
			<i>For 18 SEER, Add</i>	1,275.79	

23 63 13 00-0024 Removal And Reinstallation Of AC Condensing Unit (23 63 13)

Note: Includes storage and cleaning.

23 63	13 00-0025	EA	Removal And Reinstallation Of Up To 5 Tons Air Cooled Condensing Unit.....	316.75	
23 63	13 00-0026	EA	Removal And Reinstallation Of 7.5 To 15 Tons Air Cooled Condensing Unit.....	1,187.83	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 63 13 00-0027 EA Removal And Reinstallation Of 20 To 40 Tons Air Cooled Condensing Unit.....1,791.05

23 64 Packaged Water Chillers (23 60)

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

23 64 13 Absorption Water Chillers (23 64)

23 64 13 16 Indirect-Fired Absorption Water Chillers (23 64 13)

23 64 13 16-0001 Packaged, Steam Driven, Water Cooled Absorption Chillers (23 64 13 16)

Note: Includes refrigerant monitor with scanner, audible alarm, and lights, 460 V motor, and all accessories, controls (water temperature controller with PE switches, flow switch, etc.) factory wired and installed control panel, and also includes start-up. Price includes closed transition starter. (rated by cooling capacity in tons). Units are factory assembled package type consisting of motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, controls, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Exclude piping and power wiring.

23 64 13 16-0002	EA	50 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller		99,675.35	5,493.92
		<i>For Two Stage Unit, Add</i>		66,273.39	
23 64 13 16-0003	EA	100 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller		126,626.98	6,548.57
		<i>For Two Stage Unit, Add</i>		84,431.22	
23 64 13 16-0004	EA	150 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller		160,571.15	6,723.16
		<i>For Two Stage Unit, Add</i>		108,079.93	
23 64 13 16-0005	EA	200 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller		177,952.20	6,851.04
		<i>For Two Stage Unit, Add</i>		120,164.50	
23 64 13 16-0006	EA	250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller		199,067.86	7,022.76
		<i>For Two Stage Unit, Add</i>		134,835.10	
23 64 13 16-0007	EA	300 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller		224,924.31	7,437.11
		<i>For Two Stage Unit, Add</i>		152,668.40	
23 64 13 16-0008	EA	350 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller		241,243.65	7,616.84
		<i>For Two Stage Unit, Add</i>		163,976.44	
23 64 13 16-0009	EA	400 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller		287,545.50	7,928.23
		<i>For Two Stage Unit, Add</i>		196,187.66	
23 64 13 16-0010	EA	500 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller		322,267.70	8,159.16
		<i>For Two Stage Unit, Add</i>		220,344.83	
23 64 13 16-0011	EA	650 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller		396,356.40	11,512.28
		<i>For Two Stage Unit, Add</i>		270,052.44	
23 64 13 16-0012	EA	750 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller		431,466.88	13,410.59
		<i>For Two Stage Unit, Add</i>		293,410.05	
23 64 13 16-0013	EA	850 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller		462,195.38	14,006.56
		<i>For Two Stage Unit, Add</i>		314,537.03	
23 64 13 16-0014	EA	950 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller		494,514.07	14,319.60
		<i>For Two Stage Unit, Add</i>		337,057.11	
23 64 13 16-0015	EA	1,125 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller		566,295.26	14,815.86
		<i>For Two Stage Unit, Add</i>		386,988.50	
23 64 13 16-0016	EA	1,250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller		619,687.96	15,269.40
		<i>For Two Stage Unit, Add</i>		424,075.08	
23 64 13 16-0017	EA	1,450 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller		728,388.58	18,822.62
		<i>For Two Stage Unit, Add</i>		497,906.77	
23 64 13 16-0018	EA	1,700 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller		851,576.82	19,819.90
		<i>For Two Stage Unit, Add</i>		583,504.62	

23 64 16 Centrifugal Water Chillers (23 64)

23 64 16 16 Water-Cooled Centrifugal Water Chillers (23 64 16)

23 64 16 16-0001 Packaged Water-Cooled Centrifugal Water Chillers (23 64 16 16)

Note: Includes integral heat exchanger, refrigerant monitor with scanner, audible alarm, and lights, 460 V motor, controls (water temperature controller with PE switches, flow switch, etc.), start-up, and closed transition starter. Rated by cooling capacity in tons. Units are factory assembled package type consisting of compressor, motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, factory wired and installed control panel, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 16 16-0002	EA	180 Ton Packaged Water-Cooled Centrifugal Water Chiller		140,982.01	5,134.80
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.			
		<i>For 208/230 Volt Motor, Add</i>		5,309.35	
23 64 16 16-0003	EA	200 Ton Packaged Water-Cooled Centrifugal Water Chiller		154,205.23	5,264.85
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.			
		<i>For 208/230 Volt Motor, Add</i>		5,829.82	
23 64 16 16-0004	EA	225 Ton Packaged Water-Cooled Centrifugal Water Chiller		170,194.23	5,398.67
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.			
		<i>For 208/230 Volt Motor, Add</i>		6,460.88	
23 64 16 16-0005	EA	250 Ton Packaged Water-Cooled Centrifugal Water Chiller		185,776.16	5,615.12
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.			
		<i>For 208/230 Volt Motor, Add</i>		7,070.26	
23 64 16 16-0006	EA	275 Ton Packaged Water-Cooled Centrifugal Water Chiller		200,977.37	5,932.18
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.			
		<i>For 208/230 Volt Motor, Add</i>		7,657.93	
23 64 16 16-0007	EA	300 Ton Packaged Water-Cooled Centrifugal Water Chiller		215,622.12	6,240.59
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.			
		<i>For 208/230 Volt Motor, Add</i>		8,223.91	
23 64 16 16-0008	EA	325 Ton Packaged Water-Cooled Centrifugal Water Chiller		229,777.18	6,582.77
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.			
		<i>For 208/230 Volt Motor, Add</i>		8,768.12	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 64 Packaged Water Chillers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16-0009 EA 350 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	243,363.25 9,290.71	6,907.38
23 64 16 16-0010 EA 375 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	256,359.33 9,791.53	7,203.39
23 64 16 16-0011 EA 400 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	268,712.94 10,270.66	7,437.11
23 64 16 16-0012 EA 425 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	280,740.46 10,728.09	7,805.56
23 64 16 16-0013 EA 450 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	292,117.57 11,163.82	8,106.69
23 64 16 16-0014 EA 475 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	302,945.94 11,577.85	8,403.95
23 64 16 16-0015 EA 500 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	313,124.28 11,970.19	8,634.17
23 64 16 16-0016 EA 550 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	331,604.18 12,689.72	8,940.33
23 64 16 16-0017 EA 600 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	347,734.80 13,322.45	9,134.73
23 64 16 16-0018 EA 650 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	362,107.24 13,868.34	9,586.25
23 64 16 16-0019 EA 700 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	374,320.90 14,327.44	10,044.60
23 64 16 16-0020 EA 750 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	384,442.02 14,699.88	10,548.85
23 64 16 16-0021 EA 800 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	408,386.18 15,624.94	11,057.79
23 64 16 16-0022 EA 850 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	432,160.70 16,543.33	11,565.11
23 64 16 16-0023 EA 900 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	455,843.47 17,454.92	12,121.12
23 64 16 16-0024 EA 950 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	479,444.74 18,359.63	12,733.28
23 64 16 16-0025 EA 1,000 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	502,575.58 19,257.48	13,301.33
23 64 16 16-0026 EA 1,100 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	545,027.88 20,825.49	15,347.74
23 64 16 16-0027 EA 1,200 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	585,865.57 22,328.53	17,399.99
23 64 16 16-0028 EA 1,300 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	624,456.40 23,766.49	19,062.41
23 64 16 16-0029 EA 1,400 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	660,404.58 25,139.36	20,085.97
23 64 16 16-0030 EA 1,500 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	694,667.71 26,446.94	21,076.07
23 64 16 16-0031 EA 1,600 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	726,716.91 27,690.07	21,687.01
23 64 16 16-0032 EA 1,700 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	758,567.74 28,867.93	23,200.02
23 64 16 16-0033 EA 1,800 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	788,185.30 29,980.69	24,331.72
23 64 16 16-0034 EA 1,900 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	816,710.51 31,028.36	25,800.03
23 64 16 16-0035 EA 2,000 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	842,742.58 32,011.07	26,721.48
23 64 16 16-0036 EA 2,250 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	897,819.17 34,183.25	28,234.03



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 64 16 16-0037	EA	2,500 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	946,284.32	29,928.04
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		For 208/230 Volt Motor, Add	35,948.90	

23 64 23 Scroll Water Chillers (23 64)

23 64 23 13 Air-Cooled Scroll Water Chillers (23 64 23)

23 64 23 13-0001 Packaged Air Cooled Scroll Water Chillers (23 64 23 13)

Note: With integral heat exchanger. Rated by cooling capacity, tons. Units are factory assembled package type and include scroll compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, factory charge of refrigerant, start-up and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-0788 for crane lifting equipment.

23 64 23 13-0002	EA	10 Ton Packaged Air Cooled Scroll Water Chiller	18,278.10	1,345.82
23 64 23 13-0003	EA	15 Ton Packaged Air Cooled Scroll Water Chiller	26,670.91	1,363.07
23 64 23 13-0004	EA	18 Ton Packaged Air Cooled Scroll Water Chiller	29,100.72	1,457.96
23 64 23 13-0005	EA	22 Ton Packaged Air Cooled Scroll Water Chiller	32,003.97	1,561.49
23 64 23 13-0006	EA	25 Ton Packaged Air Cooled Scroll Water Chiller	32,545.52	1,665.02
23 64 23 13-0007	EA	30 Ton Packaged Air Cooled Scroll Water Chiller	34,350.32	1,785.79
23 64 23 13-0008	EA	40 Ton Packaged Air Cooled Scroll Water Chiller	39,248.51	1,932.46
23 64 23 13-0009	EA	45 Ton Packaged Air Cooled Scroll Water Chiller	42,153.78	2,096.36
23 64 23 13-0010	EA	50 Ton Packaged Air Cooled Scroll Water Chiller	44,499.87	2,156.76
23 64 23 13-0011	EA	55 Ton Packaged Air Cooled Scroll Water Chiller	46,476.60	2,251.66
23 64 23 13-0012	EA	60 Ton Packaged Air Cooled Scroll Water Chiller	48,038.17	2,329.30
23 64 23 13-0013	EA	70 Ton Packaged Air Cooled Scroll Water Chiller	55,404.58	2,622.62
23 64 23 13-0014	EA	80 Ton Packaged Air Cooled Scroll Water Chiller	59,652.33	2,872.80
23 64 23 13-0015	EA	90 Ton Packaged Air Cooled Scroll Water Chiller	60,726.51	2,881.43
23 64 23 13-0016	EA	100 Ton Packaged Air Cooled Scroll Water Chiller	64,211.17	2,890.06
23 64 23 13-0017	EA	110 Ton Packaged Air Cooled Scroll Water Chiller	67,602.38	2,898.68
23 64 23 13-0018	EA	120 Ton Packaged Air Cooled Scroll Water Chiller	71,035.74	2,907.31
23 64 23 13-0019	EA	130 Ton Packaged Air Cooled Scroll Water Chiller	74,646.73	2,915.94

23 64 23 16 Water-Cooled Scroll Water Chillers (23 64 23)

23 64 23 16-0001 Packaged Water Cooled Scroll Water Chillers (23 64 23 16)

Note: Integral heat exchanger. Rated by cooling capacity in tons. Units are factory assembled package type and include hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 23 16-0002	EA	20 Ton Packaged Water Cooled Scroll Water Chiller	39,168.84	1,668.73
23 64 23 16-0003	EA	25 Ton Packaged Water Cooled Scroll Water Chiller	45,228.26	1,719.15
23 64 23 16-0004	EA	30 Ton Packaged Water Cooled Scroll Water Chiller	50,191.14	1,887.27
23 64 23 16-0005	EA	40 Ton Packaged Water Cooled Scroll Water Chiller	61,649.12	2,396.58
23 64 23 16-0006	EA	50 Ton Packaged Water Cooled Scroll Water Chiller	68,219.40	2,626.42
23 64 23 16-0007	EA	60 Ton Packaged Water Cooled Scroll Water Chiller	71,573.32	2,901.85

23 64 26 Rotary-Screw Water Chillers (23 64)

23 64 26 13 Air-Cooled, Rotary-Screw Water Chillers (23 64 26)

23 64 26 13-0001 Packaged Air Cooled Rotary-Screw Water Chillers (23 64 26 13)

Note: Includes hermetic direct-drive compressors start-up, coil guards, copper fins, copper tubes, factory wired and installed control panel, refrigerant monitor with scanner, audible alarm, and lights, phase monitoring for 3 phase units, 440/460 V motor, motor starters, factory charge of refrigerant and equipment rigging. Units greater than 20 tons include dual compressors. Excludes crane and associated personnel. See CSI section 01 22 23 00-0788 for crane lifting equipment.

23 64 26 13-0002	EA	70 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	94,941.81	3,304.15
		For Aluminum Fins Instead Of Copper, Deduct	-1,349.85	
		For 208/230 Volt Motor, Add	3,599.60	
23 64 26 13-0003	EA	80 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	102,027.95	3,588.85
		For Aluminum Fins Instead Of Copper, Deduct	-1,449.80	
		For 208/230 Volt Motor, Add	3,866.13	
23 64 26 13-0004	EA	90 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	107,332.47	3,744.13
		For Aluminum Fins Instead Of Copper, Deduct	-1,525.74	
		For 208/230 Volt Motor, Add	4,068.65	
23 64 26 13-0005	EA	100 Ton Packaged Air Cooled Rotary-Screw Water Chiller	111,257.88	4,028.82
		For Aluminum Fins Instead Of Copper, Deduct	-1,578.28	
		For 208/230 Volt Motor, Add	4,208.76	
23 64 26 13-0006	EA	110 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	119,332.93	4,227.24
		For Aluminum Fins Instead Of Copper, Deduct	-1,696.51	
		For 208/230 Volt Motor, Add	4,524.03	
23 64 26 13-0007	EA	120 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	126,968.13	4,313.51
		For Aluminum Fins Instead Of Copper, Deduct	-1,807.47	
		For 208/230 Volt Motor, Add	4,819.91	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 60 Central Cooling Equipment

23 64 Packaged Water Chillers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 26 13-0008 EA 130 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	134,056.27 -1,910.55 5,094.81	4,460.18
23 64 26 13-0009 EA 140 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	138,356.30 -1,972.86 5,260.95	4,555.07
23 64 26 13-0010 EA 160 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	146,141.73 -2,087.44 5,566.50	4,649.97
23 64 26 13-0011 EA 170 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	152,563.24 -2,180.52 5,814.73	4,796.63
23 64 26 13-0012 EA 180 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	160,898.56 -2,301.28 6,136.76	4,986.42
23 64 26 13-0013 EA 200 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	168,223.66 -2,408.96 6,423.89	5,089.95
23 64 26 13-0014 EA 215 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	180,406.48 -2,589.63 6,905.69	5,176.21
23 64 26 13-0015 EA 225 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	188,505.37 -2,710.08 7,226.88	5,227.98
23 64 26 13-0016 EA 240 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	196,604.26 -2,830.53 7,548.08	5,271.11
23 64 26 13-0017 EA 260 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	220,849.14 -3,191.87 8,511.66	5,374.64
23 64 26 13-0018 EA 280 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	233,040.61 -3,372.54 8,993.45	5,478.16
23 64 26 13-0019 EA 300 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	249,238.37 -3,613.44 9,635.84	5,564.43
23 64 26 13-0020 EA 325 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	273,466.01 -3,974.78 10,599.43	5,659.33
23 64 26 13-0021 EA 350 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	298,251.77 -4,344.89 11,586.37	5,728.35

23 64 26 16 Water-Cooled, Rotary-Screw Water Chillers (23 64 26)

23 64 26 16-0001 Packaged Water Cooled Helical Rotary Water Chillers (23 64 26 16)

Note: Integral heat exchanger. Rated by cooling capacity in tons. Factory assembled package type includes semi-hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gages, lead-lag switch, compressor unloaders, removable core filter dryer, 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, full factory refrigerant charge, vibration eliminators, NEMA 1 flow switches, wye-delta starter, extended warranty on compressor(s), start-up costs and equipment rigging. Excludes piping and power wiring.

23 64 26 16-0002 EA 70 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	76,398.20	4,049.88
23 64 26 16-0003 EA 80 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	83,066.65	4,207.38
23 64 26 16-0004 EA 90 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	88,849.08	4,319.87
23 64 26 16-0005 EA 100 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	93,833.83	4,502.12
23 64 26 16-0006 EA 110 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	98,823.25	4,625.86
23 64 26 16-0007 EA 125 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	104,908.64	4,755.73
23 64 26 16-0008 EA 130 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	107,599.16	4,888.66
23 64 26 16-0009 EA 150 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	116,671.44	5,020.96
23 64 26 16-0010 EA 175 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	125,492.92	5,145.24
23 64 26 16-0011 EA 190 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	129,748.51	5,402.54
23 64 26 16-0012 EA 200 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	167,035.82	5,663.09
23 64 26 16-0013 EA 210 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	169,266.16	5,784.31
23 64 26 16-0014 EA 235 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	184,251.93	5,910.85
23 64 26 16-0015 EA 255 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	195,832.37	6,181.38
23 64 26 16-0016 EA 275 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	206,792.86	6,431.57
23 64 26 16-0017 EA 300 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	219,579.49	6,686.35
23 64 26 16-0018 EA 350 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	241,037.18	7,278.98
23 64 26 16-0019 EA 400 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	258,458.28	8,006.17
23 64 26 16-0020 EA 450 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	271,858.00	8,807.14

23 65 Cooling Towers (23 60)

23 65 13 Forced-Draft Cooling Towers (23 65)

23 65 13 16 Closed-Circuit, Forced-Draft Cooling Towers (23 65 13)

23 65 13 16-0001 Closed-Circuit, Forced-Draft Cooling Towers (23 65 13 16)

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 65 Cooling Towers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 14-0038 EA 1,500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i>	190,557.67 24,427.15	17,659.51
23 65 14 14-0039 EA 1,600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i>	199,358.43 25,462.57	18,875.94
23 65 14 14-0040 EA 1,700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i>	207,947.58 26,423.55	20,264.88
23 65 14 14-0041 EA 1,800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i>	216,408.08 27,313.47	21,869.52
23 65 14 14-0042 EA 1,900 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i>	224,341.17 28,125.56	23,474.14
23 65 14 14-0043 EA 2,000 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i>	232,714.98 28,866.60	25,665.41
23 65 14 14-0044 Induced Draft Crossflow Stainless Steel Propeller Type Cooling Towers^(23 65) ^{14 14)} Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0788 for crane lifting equipment.		
23 65 14 14-0045 EA 100 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	65,879.48 3,117.12	2,199.89
23 65 14 14-0046 EA 125 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	74,669.00 3,535.89	2,441.45
23 65 14 14-0047 EA 150 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	81,605.98 3,857.72	2,769.27
23 65 14 14-0048 EA 200 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	90,723.35 4,258.38	3,459.44
23 65 14 14-0049 EA 250 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	102,766.95 4,790.25	4,330.77
23 65 14 14-0050 EA 300 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	117,998.12 5,443.54	5,676.59
23 65 14 14-0051 EA 350 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	128,558.89 5,914.21	6,392.63
23 65 14 14-0052 EA 400 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	138,964.37 6,384.87	7,013.78
23 65 14 14-0053 EA 500 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	160,398.32 7,342.69	8,428.60
23 65 14 14-0054 EA 600 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	181,168.84 8,325.14	9,127.40
23 65 14 14-0055 EA 750 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	224,351.44 10,398.00	9,921.08
23 65 14 14-0056 EA 1,000 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	291,193.60 13,566.28	12,664.47
23 65 43 Cooling Tower Basins And Accessories^(23 65)		
23 65 43 00-0001 Fiberglass Cooling Tower Sump Basins^(23 65 43) Note: Includes one inlet sleeve. Excludes cover, excavation, backfill, concrete cut and concrete patch. Excludes crane and associated personnel. See CSI section 01 22 23 00-0788 for crane lifting equipment.		
23 65 43 00-0002 EA 30" Diameter x 30" Depth, 92 Gallon Capacity, Fiberglass Cooling Tower Sump Basin <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	908.59 115.00 80.00	
23 65 43 00-0003 EA 30" Diameter x 36" Depth, 110 Gallon Capacity, Fiberglass Cooling Tower Sump Basin <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	1,030.14 115.00 80.00	
23 65 43 00-0004 EA 36" Diameter x 30" Depth, 132 Gallon Capacity, Fiberglass Cooling Tower Sump Basin <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	1,003.05 253.00 80.00	
23 65 43 00-0005 EA 36" Diameter x 36" Depth, 159 Gallon Capacity, Fiberglass Cooling Tower Sump Basin <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	1,180.57 253.00 80.00	
23 65 43 00-0006 EA 42" Diameter x 30" Depth, 180 Gallon Capacity, Fiberglass Cooling Tower Sump Basin <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	1,286.08 276.00 100.00	
23 65 43 00-0007 EA 42" Diameter x 36" Depth, 216 Gallon Capacity, Fiberglass Cooling Tower Sump Basin <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	1,425.27 276.00 100.00	
23 65 43 00-0008 EA 42" Diameter x 42" Depth, 252 Gallon Capacity, Fiberglass Cooling Tower Sump Basin <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	1,564.47 276.00 100.00	
23 65 43 00-0009 EA 48" Diameter x 36" Depth, 282 Gallon Capacity, Fiberglass Cooling Tower Sump Basin <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	1,567.84 294.00 140.00	
23 65 43 00-0010 EA 48" Diameter x 42" Depth, 329 Gallon Capacity, Fiberglass Cooling Tower Sump Basin <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	1,727.88 294.00 140.00	
23 65 43 00-0011 EA 48" Diameter x 48" Depth, 376 Gallon Capacity, Fiberglass Cooling Tower Sump Basin <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	1,975.79 294.00 140.00	
23 65 43 00-0012 EA 48" Diameter x 54" Depth, 423 Gallon Capacity, Fiberglass Cooling Tower Sump Basin <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	2,225.31 294.00 140.00	
23 65 43 00-0013 EA 48" Diameter x 60" Depth, 470 Gallon Capacity, Fiberglass Cooling Tower Sump Basin <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	2,382.14 294.00 140.00	



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Central HVAC Equipment	23 70
Indoor Central-Station Air-Handling Units	23 73



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0007 EA 1,400 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	5,269.01 469.24 903.88 1,350.05 2,378.98 2,584.77 1,144.26 1,967.41 1,967.41 1,761.62 1,555.84 1,292.39 2,378.98 2,173.20 1,555.84 576.20 1,447.29 609.22	807.31
23 73 13 00-0008 EA 1,600 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	5,767.33 514.87 992.62 1,482.75 2,615.27 2,841.77 1,256.25 2,162.26 2,162.26 1,935.76 1,709.25 1,420.89 2,615.27 2,388.77 1,709.25 634.21 1,506.08 667.33	867.90
23 73 13 00-0009 EA 1,800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	6,307.97 564.00 1,087.92 1,625.21 2,868.22 3,116.82 1,376.60 2,371.01 2,371.01 2,122.41 1,873.81 1,558.41 2,868.22 2,619.61 1,873.81 696.09 1,484.76 730.24	935.35
23 73 13 00-0010 EA 2,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	6,901.87 618.56 1,194.13 1,784.04 3,151.35 3,424.81 1,510.57 2,604.42 2,604.42 2,330.96 2,057.50 1,712.40 3,151.35 2,877.88 2,057.50 765.69 1,537.95 799.57	1,002.79

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0011 EA 2,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	7,451.02	1,077.88
For Flat Filter Box And Throwaway Filters, Add	668.11	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,290.03	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,927.34	
For Manual Roll Filter, Add	3,405.14	
For Automatic Roll Filter, Add	3,700.70	
For Hot Water Heating Coil, Aluminum Fins, Add	1,631.78	
For Electric Heating Coil, Add	2,814.02	
For Chilled Water Cooling Coil, Aluminum Fins, Add	2,814.02	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,518.46	
For Steam Heating Coil, Aluminum Fins, Add	2,222.90	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,850.35	
For Chilled Water Cooling Coil, Copper Fins, Add	3,405.14	
For Direct Expansion Cooling Coil, Copper Fins, Add	3,109.58	
For Hot Water Heating Coil, Copper Fins, Add	2,222.90	
For Variable Air Volume, Add	827.57	
For Economizer, Panel, Controls And Damper(s), Add	1,596.90	
For 2 Coils, Independent Circuits, Add	863.33	
23 73 13 00-0012 EA 2,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	8,037.48	1,159.82
For Flat Filter Box And Throwaway Filters, Add	720.91	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,392.13	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,079.90	
For Manual Roll Filter, Add	3,675.10	
For Automatic Roll Filter, Add	3,994.14	
For Hot Water Heating Coil, Aluminum Fins, Add	1,760.87	
For Electric Heating Coil, Add	3,037.02	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,037.02	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,717.98	
For Steam Heating Coil, Aluminum Fins, Add	2,398.94	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,997.07	
For Chilled Water Cooling Coil, Copper Fins, Add	3,675.10	
For Direct Expansion Cooling Coil, Copper Fins, Add	3,356.06	
For Hot Water Heating Coil, Copper Fins, Add	2,398.94	
For Variable Air Volume, Add	893.31	
For Economizer, Panel, Controls And Damper(s), Add	1,661.19	
For 2 Coils, Independent Circuits, Add	931.36	
23 73 13 00-0013 EA 3,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	9,348.24	1,342.51
For Flat Filter Box And Throwaway Filters, Add	838.93	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,620.33	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,420.91	
For Manual Roll Filter, Add	4,278.52	
For Automatic Roll Filter, Add	4,650.04	
For Hot Water Heating Coil, Aluminum Fins, Add	2,049.39	
For Electric Heating Coil, Add	3,535.47	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,535.47	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,163.95	
For Steam Heating Coil, Aluminum Fins, Add	2,792.43	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,325.02	
For Chilled Water Cooling Coil, Copper Fins, Add	4,278.52	
For Direct Expansion Cooling Coil, Copper Fins, Add	3,907.00	
For Hot Water Heating Coil, Copper Fins, Add	2,792.43	
For Variable Air Volume, Add	1,040.26	
For Economizer, Panel, Controls And Damper(s), Add	1,804.80	
For 2 Coils, Independent Circuits, Add	1,083.43	
23 73 13 00-0014 EA 3,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	9,795.90	1,442.73
For Flat Filter Box And Throwaway Filters, Add	876.51	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,691.17	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,526.45	
For Manual Roll Filter, Add	4,460.02	
For Automatic Roll Filter, Add	4,846.73	
For Hot Water Heating Coil, Aluminum Fins, Add	2,139.73	
For Electric Heating Coil, Add	3,686.59	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,686.59	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,299.87	
For Steam Heating Coil, Aluminum Fins, Add	2,913.16	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,423.37	
For Chilled Water Cooling Coil, Copper Fins, Add	4,460.02	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,073.30	
For Hot Water Heating Coil, Copper Fins, Add	2,913.16	
For Variable Air Volume, Add	1,082.80	
For Economizer, Panel, Controls And Damper(s), Add	1,883.89	
For 2 Coils, Independent Circuits, Add	1,134.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0015 EA 3,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	10,253.17	1,550.51
For Flat Filter Box And Throwaway Filters, Add	914.57	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,762.68	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,632.94	
For Manual Roll Filter, Add	4,642.48	
For Automatic Roll Filter, Add	5,044.38	
For Hot Water Heating Coil, Aluminum Fins, Add	2,231.04	
For Electric Heating Coil, Add	3,838.66	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,838.66	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,436.76	
For Steam Heating Coil, Aluminum Fins, Add	3,034.85	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,522.19	
For Chilled Water Cooling Coil, Copper Fins, Add	4,642.48	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,240.57	
For Hot Water Heating Coil, Copper Fins, Add	3,034.85	
For Variable Air Volume, Add	1,125.34	
For Economizer, Panel, Controls And Damper(s), Add	1,968.27	
For 2 Coils, Independent Circuits, Add	1,186.08	
23 73 13 00-0016 EA 4,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	11,259.05	1,790.03
For Flat Filter Box And Throwaway Filters, Add	998.01	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,919.27	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,866.12	
For Manual Roll Filter, Add	5,041.38	
For Automatic Roll Filter, Add	5,476.44	
For Hot Water Heating Coil, Aluminum Fins, Add	2,431.06	
For Electric Heating Coil, Add	4,171.28	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,171.28	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,736.22	
For Steam Heating Coil, Aluminum Fins, Add	3,301.17	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,738.22	
For Chilled Water Cooling Coil, Copper Fins, Add	5,041.38	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,606.33	
For Hot Water Heating Coil, Copper Fins, Add	3,301.17	
For Variable Air Volume, Add	1,218.15	
For Economizer, Panel, Controls And Damper(s), Add	1,963.20	
For 2 Coils, Independent Circuits, Add	1,299.93	
23 73 13 00-0017 EA 4,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	11,259.05	1,790.03
For Flat Filter Box And Throwaway Filters, Add	998.01	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,919.27	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,866.12	
For Manual Roll Filter, Add	5,041.38	
For Automatic Roll Filter, Add	5,476.44	
For Hot Water Heating Coil, Aluminum Fins, Add	2,431.06	
For Electric Heating Coil, Add	4,171.28	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,171.28	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,736.22	
For Steam Heating Coil, Aluminum Fins, Add	3,301.17	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,738.22	
For Chilled Water Cooling Coil, Copper Fins, Add	5,041.38	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,606.33	
For Hot Water Heating Coil, Copper Fins, Add	3,301.17	
For Variable Air Volume, Add	1,218.15	
For Economizer, Panel, Controls And Damper(s), Add	1,963.20	
For 2 Coils, Independent Circuits, Add	1,299.93	
23 73 13 00-0018 EA 5,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	12,356.97	2,056.01
For Flat Filter Box And Throwaway Filters, Add	1,088.81	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,089.49	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,119.55	
For Manual Roll Filter, Add	5,474.36	
For Automatic Roll Filter, Add	5,945.32	
For Hot Water Heating Coil, Aluminum Fins, Add	2,648.58	
For Electric Heating Coil, Add	4,532.43	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,532.43	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,061.47	
For Steam Heating Coil, Aluminum Fins, Add	3,590.51	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,972.66	
For Chilled Water Cooling Coil, Copper Fins, Add	5,474.36	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,003.40	
For Hot Water Heating Coil, Copper Fins, Add	3,590.51	
For Variable Air Volume, Add	1,318.70	
For Economizer, Panel, Controls And Damper(s), Add	2,115.09	
For 2 Coils, Independent Circuits, Add	1,424.08	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0019 EA 5,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	12,993.26	2,230.60
For Flat Filter Box And Throwaway Filters, Add	1,139.96	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,184.30	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,260.52	
For Manual Roll Filter, Add	5,712.01	
For Automatic Roll Filter, Add	6,202.31	
For Hot Water Heating Coil, Aluminum Fins, Add	2,770.22	
For Electric Heating Coil, Add	4,731.41	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,731.41	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,241.11	
For Steam Heating Coil, Aluminum Fins, Add	3,750.82	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,101.15	
For Chilled Water Cooling Coil, Copper Fins, Add	5,712.01	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,221.71	
For Hot Water Heating Coil, Copper Fins, Add	3,750.82	
For Variable Air Volume, Add	1,372.83	
For Economizer, Panel, Controls And Damper(s), Add	2,214.92	
For 2 Coils, Independent Circuits, Add	1,495.45	
23 73 13 00-0020 EA 6,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	13,616.30	2,396.36
For Flat Filter Box And Throwaway Filters, Add	1,190.45	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,278.19	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,400.17	
For Manual Roll Filter, Add	5,948.34	
For Automatic Roll Filter, Add	6,457.97	
For Hot Water Heating Coil, Aluminum Fins, Add	2,890.53	
For Electric Heating Coil, Add	4,929.07	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,929.07	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,419.43	
For Steam Heating Coil, Aluminum Fins, Add	3,909.80	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,228.99	
For Chilled Water Cooling Coil, Copper Fins, Add	5,948.34	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,438.70	
For Hot Water Heating Coil, Copper Fins, Add	3,909.80	
For Variable Air Volume, Add	1,426.98	
For Economizer, Panel, Controls And Damper(s), Add	2,309.45	
For 2 Coils, Independent Circuits, Add	1,565.48	
23 73 13 00-0021 EA 6,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	14,243.33	2,565.28
For Flat Filter Box And Throwaway Filters, Add	1,241.14	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,372.35	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,540.21	
For Manual Roll Filter, Add	6,185.06	
For Automatic Roll Filter, Add	6,714.03	
For Hot Water Heating Coil, Aluminum Fins, Add	3,011.24	
For Electric Heating Coil, Add	5,127.12	
For Chilled Water Cooling Coil, Aluminum Fins, Add	5,127.12	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,598.15	
For Steam Heating Coil, Aluminum Fins, Add	4,069.18	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,357.01	
For Chilled Water Cooling Coil, Copper Fins, Add	6,185.06	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,656.09	
For Hot Water Heating Coil, Copper Fins, Add	4,069.18	
For Variable Air Volume, Add	1,481.11	
For Economizer, Panel, Controls And Damper(s), Add	2,405.58	
For 2 Coils, Independent Circuits, Add	1,635.92	
23 73 13 00-0022 EA 7,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	14,966.21	2,761.30
For Flat Filter Box And Throwaway Filters, Add	1,299.38	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,480.41	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,700.89	
For Manual Roll Filter, Add	6,456.23	
For Automatic Roll Filter, Add	7,007.30	
For Hot Water Heating Coil, Aluminum Fins, Add	3,149.82	
For Electric Heating Coil, Add	5,354.09	
For Chilled Water Cooling Coil, Aluminum Fins, Add	5,354.09	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,803.03	
For Steam Heating Coil, Aluminum Fins, Add	4,251.96	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,503.65	
For Chilled Water Cooling Coil, Copper Fins, Add	6,456.23	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,905.16	
For Hot Water Heating Coil, Copper Fins, Add	4,251.96	
For Variable Air Volume, Add	1,542.99	
For Economizer, Panel, Controls And Damper(s), Add	2,517.94	
For 2 Coils, Independent Circuits, Add	1,717.05	



Heating, Ventilating, And Air-Conditioning (HVAC)		23
Central HVAC Equipment		23 70
Indoor Central-Station Air-Handling Units		23 73

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73	13 00-0023	EA	7,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	15,700.55 1,358.19 2,589.27 3,862.72 6,728.54 7,301.71 3,289.55 5,582.21 5,582.21 5,009.05 4,435.88 3,650.86 6,728.54 6,155.38 4,435.88 1,604.86 2,451.17 1,799.32	2,958.57
23 73	13 00-0024	EA	8,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	16,458.56 1,418.19 2,699.78 4,026.91 7,003.23 7,598.49 3,431.65 5,812.70 5,812.70 5,217.44 4,622.17 3,799.25 7,003.23 6,407.96 4,622.17 1,666.74 2,545.99 1,883.96	3,186.02
23 73	13 00-0025	EA	9,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	17,322.76 1,486.26 2,824.91 4,212.77 7,313.39 7,933.51 3,592.65 6,073.14 6,073.14 5,453.02 4,832.89 3,966.76 7,313.39 6,693.26 4,832.89 1,736.35 2,656.09 1,980.33	3,451.46
23 73	13 00-0026	EA	10,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	18,165.24 1,553.25 2,948.52 4,396.46 7,621.38 8,266.36 3,751.47 6,331.41 6,331.41 5,686.43 5,041.44 4,133.18 7,621.38 6,976.39 5,041.44 1,805.95 2,759.67 2,074.52	3,685.03

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0027 EA 11,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	18,228.17 1,568.82 2,985.25 4,452.47 7,739.54 8,396.95 3,795.06 6,424.71 6,424.71 5,767.30 5,109.88 4,198.48 7,739.54 7,082.13 5,109.88 1,840.76 2,703.97 2,085.78	3,568.06
23 73 13 00-0028 EA 12,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	19,050.96 1,622.39 3,075.16 4,584.47 7,933.69 8,603.54 3,914.63 6,594.00 6,594.00 5,924.16 5,254.32 4,301.77 7,933.69 7,263.85 5,254.32 1,875.56 2,876.22 2,173.03	3,958.67
23 73 13 00-0029 EA 13,700 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	20,054.27 1,712.61 3,249.53 4,845.01 8,394.50 9,104.39 4,135.12 6,974.70 6,974.70 6,264.81 5,554.91 4,552.20 8,394.50 7,684.60 5,554.91 1,987.71 2,571.27 2,289.39	4,117.67
23 73 13 00-0030 EA 15,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	21,113.84 1,805.64 3,427.84 5,111.18 8,860.93 9,610.87 4,361.23 7,361.03 7,361.03 6,611.08 5,861.13 4,805.44 8,860.93 8,110.98 5,861.13 2,099.86 2,622.97 2,411.36	4,277.14



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0031 EA 16,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....22,231.67 For Flat Filter Box And Throwaway Filters, Add 1,907.11 For Medium Capacity Filter Box And Throwaway Filters, Add 3,624.58 For Combination Filter Mixing Box And Throwaway Filters, Add 5,405.27 For Manual Roll Filter, Add 9,382.90 For Automatic Roll Filter, Add 10,178.43 For Hot Water Heating Coil, Aluminum Fins, Add 4,609.75 For Electric Heating Coil, Add 7,791.85 For Chilled Water Cooling Coil, Aluminum Fins, Add 7,791.85 For Direct Expansion Cooling Coil, Aluminum Fins, Add 6,996.32 For Steam Heating Coil, Aluminum Fins, Add 6,200.80 For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add 5,089.21 For Chilled Water Cooling Coil, Copper Fins, Add 9,382.90 For Direct Expansion Cooling Coil, Copper Fins, Add 8,587.38 For Hot Water Heating Coil, Copper Fins, Add 6,200.80 For Variable Air Volume, Add 2,227.47 For Economizer, Panel, Controls And Damper(s), Add 2,664.23 For 2 Coils, Independent Circuits, Add 2,541.38	22,231.67 1,907.11 3,624.58 5,405.27 9,382.90 10,178.43 4,609.75 7,791.85 7,791.85 6,996.32 6,200.80 5,089.21 9,382.90 8,587.38 6,200.80 2,227.47 2,664.23 2,541.38	4,441.65
23 73 13 00-0032 EA 17,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....23,399.75 For Flat Filter Box And Throwaway Filters, Add 2,011.09 For Medium Capacity Filter Box And Throwaway Filters, Add 3,824.85 For Combination Filter Mixing Box And Throwaway Filters, Add 5,704.39 For Manual Roll Filter, Add 9,909.90 For Automatic Roll Filter, Add 10,751.01 For Hot Water Heating Coil, Aluminum Fins, Add 4,863.28 For Electric Heating Coil, Add 8,227.70 For Chilled Water Cooling Coil, Aluminum Fins, Add 8,227.70 For Direct Expansion Cooling Coil, Aluminum Fins, Add 7,386.59 For Steam Heating Coil, Aluminum Fins, Add 6,545.49 For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add 5,375.50 For Chilled Water Cooling Coil, Copper Fins, Add 9,909.90 For Direct Expansion Cooling Coil, Copper Fins, Add 9,068.80 For Hot Water Heating Coil, Copper Fins, Add 6,545.49 For Variable Air Volume, Add 2,355.09 For Economizer, Panel, Controls And Damper(s), Add 2,715.54 For 2 Coils, Independent Circuits, Add 2,676.42	23,399.75 2,011.09 3,824.85 5,704.39 9,909.90 10,751.01 4,863.28 8,227.70 8,227.70 7,386.59 6,545.49 5,375.50 9,909.90 9,068.80 6,545.49 2,355.09 2,715.54 2,676.42	4,606.34
23 73 13 00-0033 EA 20,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....26,063.21 For Flat Filter Box And Throwaway Filters, Add 2,253.37 For Medium Capacity Filter Box And Throwaway Filters, Add 4,294.97 For Combination Filter Mixing Box And Throwaway Filters, Add 7,357.38 For Manual Roll Filter, Add 10,588.10 For Automatic Roll Filter, Add 11,158.22 For Hot Water Heating Coil, Aluminum Fins, Add 4,506.74 For Electric Heating Coil, Add 4,886.83 For Chilled Water Cooling Coil, Aluminum Fins, Add 8,307.59 For Direct Expansion Cooling Coil, Aluminum Fins, Add 7,357.38 For Steam Heating Coil, Aluminum Fins, Add 6,407.17 For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add 5,104.01 For Chilled Water Cooling Coil, Copper Fins, Add 10,208.01 For Direct Expansion Cooling Coil, Copper Fins, Add 9,257.80 For Hot Water Heating Coil, Copper Fins, Add 7,357.38 For Variable Air Volume, Add 2,660.59 For Economizer, Panel, Controls And Damper(s), Add 2,970.32 For 2 Coils, Independent Circuits, Add 2,986.41	26,063.21 2,253.37 4,294.97 7,357.38 10,588.10 11,158.22 4,506.74 4,886.83 8,307.59 7,357.38 6,407.17 5,104.01 10,208.01 9,257.80 7,357.38 2,660.59 2,970.32 2,986.41	4,938.31
23 73 13 00-0034 EA 22,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....28,899.89 For Flat Filter Box And Throwaway Filters, Add 2,508.46 For Medium Capacity Filter Box And Throwaway Filters, Add 4,788.00 For Combination Filter Mixing Box And Throwaway Filters, Add 8,207.31 For Manual Roll Filter, Add 11,823.08 For Automatic Roll Filter, Add 12,461.16 For Hot Water Heating Coil, Aluminum Fins, Add 5,016.92 For Electric Heating Coil, Add 5,442.30 For Chilled Water Cooling Coil, Aluminum Fins, Add 9,270.77 For Direct Expansion Cooling Coil, Aluminum Fins, Add 8,207.31 For Steam Heating Coil, Aluminum Fins, Add 7,143.84 For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add 5,698.85 For Chilled Water Cooling Coil, Copper Fins, Add 11,397.70 For Direct Expansion Cooling Coil, Copper Fins, Add 10,334.23 For Hot Water Heating Coil, Copper Fins, Add 8,207.31 For Variable Air Volume, Add 2,977.70 For Economizer, Panel, Controls And Damper(s), Add 3,070.36 For 2 Coils, Independent Circuits, Add 3,315.37	28,899.89 2,508.46 4,788.00 8,207.31 11,823.08 12,461.16 5,016.92 5,442.30 9,270.77 8,207.31 7,143.84 5,698.85 11,397.70 10,334.23 8,207.31 2,977.70 3,070.36 3,315.37	5,322.15

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0035 EA 25,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	31,990.78 2,791.45 5,338.31 9,158.62 13,211.10 13,926.25 5,582.89 6,059.66 10,350.52 9,158.62 7,966.71 6,367.17 12,734.34 11,542.43 9,158.62 3,337.34 3,161.71 3,675.84	5,702.58
23 73 13 00-0036 EA 27,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	39,265.42 3,488.03 6,712.95 11,550.33 16,734.51 17,649.36 6,976.06 7,585.96 13,075.09 11,550.33 10,025.57 8,062.30 16,124.61 14,599.85 11,550.33 4,269.32 3,269.80 4,536.45	6,141.53
23 73 13 00-0037 EA 30,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	43,830.41 3,915.16 7,549.59 13,001.24 18,861.61 19,895.80 7,830.32 8,519.78 14,724.88 13,001.24 11,277.60 9,086.08 18,172.16 16,448.52 13,001.24 4,826.19 3,168.64 5,072.50	6,555.19
23 73 13 00-0038 EA 32,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	48,004.81 4,296.52 8,290.66 14,281.88 20,729.23 21,867.00 8,593.04 9,351.55 16,178.16 14,281.88 12,385.60 9,985.36 19,970.72 18,074.44 14,281.88 5,309.58 3,276.88 5,558.99	7,058.97



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Central HVAC Equipment	23 70
Indoor Central-Station Air-Handling Units	23 73

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0039 EA 35,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	52,660.86 4,718.54 9,108.54 15,693.55 22,784.23 24,035.52 9,437.07 10,271.27 17,779.04 15,693.55 13,608.06 10,975.02 21,950.03 19,864.54 15,693.55 5,839.38 3,407.65 6,100.28	7,577.59
23 73 13 00-0040 EA 37,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	56,662.10 5,085.71 9,823.13 16,929.26 24,588.13 25,939.69 10,171.43 11,072.47 19,181.86 16,929.26 14,676.65 11,843.54 23,687.08 21,434.47 16,929.26 6,307.31 3,506.49 6,567.25	8,130.82
23 73 13 00-0041 EA 40,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	61,110.39 5,487.67 10,601.33 18,271.81 26,541.14 28,000.43 10,975.35 11,948.21 20,703.97 18,271.81 15,839.66 12,784.14 25,568.28 23,136.12 18,271.81 6,810.03 3,388.41 7,083.90	8,697.99
23 73 13 00-0042 EA 45,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	65,954.63 5,924.62 11,446.74 19,729.93 28,661.36 30,237.50 11,849.25 12,900.01 22,356.82 19,729.93 17,103.03 13,805.30 27,610.60 24,983.71 19,729.93 7,355.30 3,507.10 7,646.22	9,391.39

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 70 Central HVAC Equipment

23 73 Indoor Central-Station Air-Handling Units



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0043	EA		47,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	68,712.63	9,832.51
			For Flat Filter Box And Throwaway Filters, Add	6,170.25	
			For Medium Capacity Filter Box And Throwaway Filters, Add	11,919.90	
			For Combination Filter Mixing Box And Throwaway Filters, Add	20,544.36	
			For Manual Roll Filter, Add	29,842.07	
			For Automatic Roll Filter, Add	31,482.84	
			For Hot Water Heating Coil, Aluminum Fins, Add	12,340.50	
			For Electric Heating Coil, Add	13,434.35	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	23,278.98	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	20,544.36	
			For Steam Heating Coil, Aluminum Fins, Add	17,809.74	
			For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	14,374.11	
			For Chilled Water Cooling Coil, Copper Fins, Add	28,748.22	
			For Direct Expansion Cooling Coil, Copper Fins, Add	26,013.60	
			For Hot Water Heating Coil, Copper Fins, Add	20,544.36	
			For Variable Air Volume, Add	7,656.94	
			For Economizer, Panel, Controls And Damper(s), Add	3,582.53	
			For 2 Coils, Independent Circuits, Add	7,965.11	
23 73 13 00-0044	EA		50,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	71,311.53	10,210.68
			For Flat Filter Box And Throwaway Filters, Add	6,402.40	
			For Medium Capacity Filter Box And Throwaway Filters, Add	12,367.55	
			For Combination Filter Mixing Box And Throwaway Filters, Add	21,315.27	
			For Manual Roll Filter, Add	30,960.47	
			For Automatic Roll Filter, Add	32,662.56	
			For Hot Water Heating Coil, Aluminum Fins, Add	12,804.80	
			For Electric Heating Coil, Add	13,939.53	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	24,152.09	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	21,315.27	
			For Steam Heating Coil, Aluminum Fins, Add	18,478.45	
			For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	14,912.87	
			For Chilled Water Cooling Coil, Copper Fins, Add	29,825.74	
			For Direct Expansion Cooling Coil, Copper Fins, Add	26,988.91	
			For Hot Water Heating Coil, Copper Fins, Add	21,315.27	
			For Variable Air Volume, Add	7,943.10	
			For Economizer, Panel, Controls And Damper(s), Add	3,651.88	
			For 2 Coils, Independent Circuits, Add	8,265.88	
23 73 13 00-0045	EA		55,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	76,878.23	10,904.00
			For Flat Filter Box And Throwaway Filters, Add	6,908.62	
			For Medium Capacity Filter Box And Throwaway Filters, Add	13,349.72	
			For Combination Filter Mixing Box And Throwaway Filters, Add	23,011.36	
			For Manual Roll Filter, Add	33,431.37	
			For Automatic Roll Filter, Add	35,270.20	
			For Hot Water Heating Coil, Aluminum Fins, Add	13,817.24	
			For Electric Heating Coil, Add	15,043.12	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	26,076.07	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	23,011.36	
			For Steam Heating Coil, Aluminum Fins, Add	19,946.66	
			For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	16,102.74	
			For Chilled Water Cooling Coil, Copper Fins, Add	32,205.49	
			For Direct Expansion Cooling Coil, Copper Fins, Add	29,140.78	
			For Hot Water Heating Coil, Copper Fins, Add	23,011.36	
			For Variable Air Volume, Add	8,581.18	
			For Economizer, Panel, Controls And Damper(s), Add	3,778.01	
			For 2 Coils, Independent Circuits, Add	8,913.71	
23 73 13 00-0046	EA		60,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	84,073.01	11,660.35
			For Flat Filter Box And Throwaway Filters, Add	7,573.59	
			For Medium Capacity Filter Box And Throwaway Filters, Add	14,646.94	
			For Combination Filter Mixing Box And Throwaway Filters, Add	25,256.98	
			For Manual Roll Filter, Add	36,714.76	
			For Automatic Roll Filter, Add	38,736.73	
			For Hot Water Heating Coil, Aluminum Fins, Add	15,147.17	
			For Electric Heating Coil, Add	16,495.15	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	28,626.92	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	25,256.98	
			For Steam Heating Coil, Aluminum Fins, Add	21,887.05	
			For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	17,683.39	
			For Chilled Water Cooling Coil, Copper Fins, Add	35,366.79	
			For Direct Expansion Cooling Coil, Copper Fins, Add	31,996.85	
			For Hot Water Heating Coil, Copper Fins, Add	25,256.98	
			For Variable Air Volume, Add	9,435.82	
			For Economizer, Panel, Controls And Damper(s), Add	3,567.43	
			For 2 Coils, Independent Circuits, Add	9,755.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0047 EA 65,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	92,146.84	12,605.78
<i>For Flat Filter Box And Throwaway Filters, Add</i>	8,314.27	
<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	16,088.30	
<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	27,749.33	
<i>For Manual Roll Filter, Add</i>	40,352.89	
<i>For Automatic Roll Filter, Add</i>	42,577.05	
<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	16,628.54	
<i>For Electric Heating Coil, Add</i>	18,111.31	
<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	31,456.26	
<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	27,749.33	
<i>For Steam Heating Coil, Aluminum Fins, Add</i>	24,042.40	
<i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i>	19,435.06	
<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	38,870.12	
<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	35,163.19	
<i>For Hot Water Heating Coil, Copper Fins, Add</i>	27,749.33	
<i>For Variable Air Volume, Add</i>	10,379.40	
<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,700.83	
<i>For 2 Coils, Independent Circuits, Add</i>	10,697.46	
23 73 13 00-0048 EA 70,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	101,143.18	13,677.27
<i>For Flat Filter Box And Throwaway Filters, Add</i>	9,135.61	
<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	17,684.00	
<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	30,506.57	
<i>For Manual Roll Filter, Add</i>	44,373.31	
<i>For Automatic Roll Filter, Add</i>	46,820.38	
<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	18,271.22	
<i>For Electric Heating Coil, Add</i>	19,902.60	
<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	34,585.02	
<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	30,506.57	
<i>For Steam Heating Coil, Aluminum Fins, Add</i>	26,428.12	
<i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i>	21,370.96	
<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	42,741.93	
<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	38,663.48	
<i>For Hot Water Heating Coil, Copper Fins, Add</i>	30,506.57	
<i>For Variable Air Volume, Add</i>	11,419.66	
<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,857.42	
<i>For 2 Coils, Independent Circuits, Add</i>	11,745.70	
23 73 13 00-0049 Multi-Zone Units <small>(23 73 13)</small>		
Note: Horizontal/vertical blow-thru fan, motor and cabinet.		
23 73 13 00-0050 EA 1,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	6,039.77	1,134.34
<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,774.13	
<i>For Flat Filter Box And Throwaway Filters, Add</i>	522.97	
<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	997.33	
<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	1,266.92	
<i>For Manual Roll Filter, Add</i>	2,592.79	
<i>For Automatic Roll Filter, Add</i>	2,592.79	
<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	603.98	
<i>For Electric Heating Coil, Add</i>	692.37	
<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	2,150.83	
<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	2,150.83	
<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	2,592.79	
<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	2,592.79	
<i>For 2 Coils, Independent Circuits, Add</i>	692.37	
23 73 13 00-0051 EA 1,200 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	7,527.11	1,421.12
<i>For Economizer, Panel, Controls And Damper(s), Add</i>	2,061.18	
<i>For Flat Filter Box And Throwaway Filters, Add</i>	651.20	
<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,241.49	
<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	1,577.24	
<i>For Manual Roll Filter, Add</i>	3,226.30	
<i>For Automatic Roll Filter, Add</i>	3,226.30	
<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	752.71	
<i>For Electric Heating Coil, Add</i>	862.65	
<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	2,676.61	
<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	2,676.61	
<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	3,226.30	
<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	3,226.30	
<i>For 2 Coils, Independent Circuits, Add</i>	862.65	
23 73 13 00-0052 EA 1,600 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	9,287.15	1,512.51
<i>For Economizer, Panel, Controls And Damper(s), Add</i>	2,152.39	
<i>For Flat Filter Box And Throwaway Filters, Add</i>	820.69	
<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,576.56	
<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	1,997.70	
<i>For Manual Roll Filter, Add</i>	4,135.68	
<i>For Automatic Roll Filter, Add</i>	4,135.68	
<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	928.72	
<i>For Electric Heating Coil, Add</i>	1,071.25	
<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	3,423.02	
<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	3,423.02	
<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	4,135.68	
<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	4,135.68	
<i>For 2 Coils, Independent Circuits, Add</i>	1,071.25	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0053 EA 2,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	9,660.77	1,619.67
For Economizer, Panel, Controls And Damper(s), Add	2,259.24	
For Flat Filter Box And Throwaway Filters, Add	850.42	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,631.44	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,068.21	
For Manual Roll Filter, Add	4,272.48	
For Automatic Roll Filter, Add	4,272.48	
For Hot Water Heating Coil, Aluminum Fins, Add	966.08	
For Electric Heating Coil, Add	1,113.03	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,537.73	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,537.73	
For Chilled Water Cooling Coil, Copper Fins, Add	4,272.48	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,272.48	
For 2 Coils, Independent Circuits, Add	1,113.03	
23 73 13 00-0054 EA 2,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	11,292.03	1,736.26
For Economizer, Panel, Controls And Damper(s), Add	2,376.34	
For Flat Filter Box And Throwaway Filters, Add	1,005.18	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,935.94	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,450.94	
For Manual Roll Filter, Add	5,094.40	
For Automatic Roll Filter, Add	5,094.40	
For Hot Water Heating Coil, Aluminum Fins, Add	1,129.20	
For Electric Heating Coil, Add	1,305.43	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,213.25	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,213.25	
For Chilled Water Cooling Coil, Copper Fins, Add	5,094.40	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,094.40	
For 2 Coils, Independent Circuits, Add	1,305.43	
23 73 13 00-0055 EA 3,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	11,909.60	1,859.35
For Economizer, Panel, Controls And Damper(s), Add	2,499.26	
For Flat Filter Box And Throwaway Filters, Add	1,058.16	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,036.63	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,578.99	
For Manual Roll Filter, Add	5,355.04	
For Automatic Roll Filter, Add	5,355.04	
For Hot Water Heating Coil, Aluminum Fins, Add	1,190.96	
For Electric Heating Coil, Add	1,376.03	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,429.69	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,429.69	
For Chilled Water Cooling Coil, Copper Fins, Add	5,355.04	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,355.04	
For 2 Coils, Independent Circuits, Add	1,376.03	
23 73 13 00-0056 EA 3,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	12,559.03	1,985.32
For Economizer, Panel, Controls And Damper(s), Add	2,625.16	
For Flat Filter Box And Throwaway Filters, Add	1,114.11	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,143.13	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,714.37	
For Manual Roll Filter, Add	5,631.29	
For Automatic Roll Filter, Add	5,631.29	
For Hot Water Heating Coil, Aluminum Fins, Add	1,255.90	
For Electric Heating Coil, Add	1,450.36	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,658.98	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,658.98	
For Chilled Water Cooling Coil, Copper Fins, Add	5,631.29	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,631.29	
For 2 Coils, Independent Circuits, Add	1,450.36	
23 73 13 00-0057 EA 4,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	14,002.91	2,130.38
For Economizer, Panel, Controls And Damper(s), Add	2,420.25	
For Flat Filter Box And Throwaway Filters, Add	1,248.45	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,405.80	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,045.21	
For Manual Roll Filter, Add	6,335.04	
For Automatic Roll Filter, Add	6,335.04	
For Hot Water Heating Coil, Aluminum Fins, Add	1,400.29	
For Electric Heating Coil, Add	1,619.61	
For Chilled Water Cooling Coil, Aluminum Fins, Add	5,238.43	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,238.43	
For Chilled Water Cooling Coil, Copper Fins, Add	6,335.04	
For Direct Expansion Cooling Coil, Copper Fins, Add	6,335.04	
For 2 Coils, Independent Circuits, Add	1,619.61	
23 73 13 00-0058 EA 4,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	15,302.79	2,281.47
For Economizer, Panel, Controls And Damper(s), Add	2,542.68	
For Flat Filter Box And Throwaway Filters, Add	1,367.31	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,636.83	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,336.79	
For Manual Roll Filter, Add	6,949.80	
For Automatic Roll Filter, Add	6,949.80	
For Hot Water Heating Coil, Aluminum Fins, Add	1,530.28	
For Electric Heating Coil, Add	1,771.15	
For Chilled Water Cooling Coil, Aluminum Fins, Add	5,745.46	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,745.46	
For Chilled Water Cooling Coil, Copper Fins, Add	6,949.80	
For Direct Expansion Cooling Coil, Copper Fins, Add	6,949.80	
For 2 Coils, Independent Circuits, Add	1,771.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0059 EA 5,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	16,179.47	2,436.70
For Economizer, Panel, Controls And Damper(s), Add	2,660.23	
For Flat Filter Box And Throwaway Filters, Add	1,444.29	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,784.38	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,523.90	
For Manual Roll Filter, Add	7,335.79	
For Automatic Roll Filter, Add	7,335.79	
For Hot Water Heating Coil, Aluminum Fins, Add	1,617.95	
For Electric Heating Coil, Add	1,872.07	
For Chilled Water Cooling Coil, Aluminum Fins, Add	6,065.16	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,065.16	
For Chilled Water Cooling Coil, Copper Fins, Add	7,335.79	
For Direct Expansion Cooling Coil, Copper Fins, Add	7,335.79	
For 2 Coils, Independent Circuits, Add	1,872.07	
23 73 13 00-0060 EA 5,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	17,835.77	2,603.27
For Economizer, Panel, Controls And Damper(s), Add	2,796.39	
For Flat Filter Box And Throwaway Filters, Add	1,597.54	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,083.46	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,900.84	
For Manual Roll Filter, Add	8,135.35	
For Automatic Roll Filter, Add	8,135.35	
For Hot Water Heating Coil, Aluminum Fins, Add	1,783.58	
For Electric Heating Coil, Add	2,065.88	
For Chilled Water Cooling Coil, Aluminum Fins, Add	6,723.85	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,723.85	
For Chilled Water Cooling Coil, Copper Fins, Add	8,135.35	
For Direct Expansion Cooling Coil, Copper Fins, Add	8,135.35	
For 2 Coils, Independent Circuits, Add	2,065.88	
23 73 13 00-0061 EA 6,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	18,978.70	2,786.06
For Economizer, Panel, Controls And Damper(s), Add	2,938.85	
For Flat Filter Box And Throwaway Filters, Add	1,698.88	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,278.38	
For Combination Filter Mixing Box And Throwaway Filters, Add	4,147.72	
For Manual Roll Filter, Add	8,647.41	
For Automatic Roll Filter, Add	8,647.41	
For Hot Water Heating Coil, Aluminum Fins, Add	1,897.87	
For Electric Heating Coil, Add	2,197.85	
For Chilled Water Cooling Coil, Aluminum Fins, Add	7,147.51	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,147.51	
For Chilled Water Cooling Coil, Copper Fins, Add	8,647.41	
For Direct Expansion Cooling Coil, Copper Fins, Add	8,647.41	
For 2 Coils, Independent Circuits, Add	2,197.85	
23 73 13 00-0062 EA 6,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	20,809.12	3,025.38
For Economizer, Panel, Controls And Damper(s), Add	3,125.19	
For Flat Filter Box And Throwaway Filters, Add	1,864.99	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,600.42	
For Combination Filter Mixing Box And Throwaway Filters, Add	4,554.50	
For Manual Roll Filter, Add	9,501.68	
For Automatic Roll Filter, Add	9,501.68	
For Hot Water Heating Coil, Aluminum Fins, Add	2,080.91	
For Electric Heating Coil, Add	2,410.72	
For Chilled Water Cooling Coil, Aluminum Fins, Add	7,852.62	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,852.62	
For Chilled Water Cooling Coil, Copper Fins, Add	9,501.68	
For Direct Expansion Cooling Coil, Copper Fins, Add	9,501.68	
For 2 Coils, Independent Circuits, Add	2,410.72	
23 73 13 00-0063 EA 7,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	22,359.27	3,258.68
For Economizer, Panel, Controls And Damper(s), Add	3,309.32	
For Flat Filter Box And Throwaway Filters, Add	2,003.26	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,866.93	
For Combination Filter Mixing Box And Throwaway Filters, Add	4,891.82	
For Manual Roll Filter, Add	10,203.61	
For Automatic Roll Filter, Add	10,203.61	
For Hot Water Heating Coil, Aluminum Fins, Add	2,235.93	
For Electric Heating Coil, Add	2,590.05	
For Chilled Water Cooling Coil, Aluminum Fins, Add	8,433.02	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,433.02	
For Chilled Water Cooling Coil, Copper Fins, Add	10,203.61	
For Direct Expansion Cooling Coil, Copper Fins, Add	10,203.61	
For 2 Coils, Independent Circuits, Add	2,590.05	
23 73 13 00-0064 EA 7,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	23,475.00	3,523.31
For Economizer, Panel, Controls And Damper(s), Add	2,949.29	
For Flat Filter Box And Throwaway Filters, Add	2,096.34	
For Medium Capacity Filter Box And Throwaway Filters, Add	4,041.98	
For Combination Filter Mixing Box And Throwaway Filters, Add	5,115.27	
For Manual Roll Filter, Add	10,650.80	
For Automatic Roll Filter, Add	10,650.80	
For Hot Water Heating Coil, Aluminum Fins, Add	2,347.50	
For Electric Heating Coil, Add	2,716.54	
For Chilled Water Cooling Coil, Aluminum Fins, Add	8,805.62	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,805.62	
For Chilled Water Cooling Coil, Copper Fins, Add	10,650.80	
For Direct Expansion Cooling Coil, Copper Fins, Add	10,650.80	
For 2 Coils, Independent Circuits, Add	2,716.54	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0065 EA 8,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	26,038.68	3,800.47
For Economizer, Panel, Controls And Damper(s), Add	3,112.94	
For Flat Filter Box And Throwaway Filters, Add	2,332.25	
For Medium Capacity Filter Box And Throwaway Filters, Add	4,501.53	
For Combination Filter Mixing Box And Throwaway Filters, Add	5,694.82	
For Manual Roll Filter, Add	11,876.72	
For Automatic Roll Filter, Add	11,876.72	
For Hot Water Heating Coil, Aluminum Fins, Add	2,603.87	
For Electric Heating Coil, Add	3,015.99	
For Chilled Water Cooling Coil, Aluminum Fins, Add	9,816.08	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	9,816.08	
For Chilled Water Cooling Coil, Copper Fins, Add	11,876.72	
For Direct Expansion Cooling Coil, Copper Fins, Add	11,876.72	
For 2 Coils, Independent Circuits, Add	3,015.99	
23 73 13 00-0066 EA 8,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	27,429.45	4,096.70
For Economizer, Panel, Controls And Damper(s), Add	3,282.54	
For Flat Filter Box And Throwaway Filters, Add	2,450.13	
For Medium Capacity Filter Box And Throwaway Filters, Add	4,724.57	
For Combination Filter Mixing Box And Throwaway Filters, Add	5,978.91	
For Manual Roll Filter, Add	12,450.84	
For Automatic Roll Filter, Add	12,450.84	
For Hot Water Heating Coil, Aluminum Fins, Add	2,742.95	
For Electric Heating Coil, Add	3,174.41	
For Chilled Water Cooling Coil, Aluminum Fins, Add	10,293.53	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	10,293.53	
For Chilled Water Cooling Coil, Copper Fins, Add	12,450.84	
For Direct Expansion Cooling Coil, Copper Fins, Add	12,450.84	
For 2 Coils, Independent Circuits, Add	3,174.41	
23 73 13 00-0067 EA 9,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	28,969.07	4,437.24
For Economizer, Panel, Controls And Damper(s), Add	3,467.47	
For Flat Filter Box And Throwaway Filters, Add	2,580.97	
For Medium Capacity Filter Box And Throwaway Filters, Add	4,972.39	
For Combination Filter Mixing Box And Throwaway Filters, Add	6,294.47	
For Manual Roll Filter, Add	13,089.58	
For Automatic Roll Filter, Add	13,089.58	
For Hot Water Heating Coil, Aluminum Fins, Add	2,896.91	
For Electric Heating Coil, Add	3,349.91	
For Chilled Water Cooling Coil, Aluminum Fins, Add	10,824.54	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	10,824.54	
For Chilled Water Cooling Coil, Copper Fins, Add	13,089.58	
For Direct Expansion Cooling Coil, Copper Fins, Add	13,089.58	
For 2 Coils, Independent Circuits, Add	3,349.91	
23 73 13 00-0068 EA 10,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	30,630.16	4,789.92
For Economizer, Panel, Controls And Damper(s), Add	3,234.18	
For Flat Filter Box And Throwaway Filters, Add	2,720.65	
For Medium Capacity Filter Box And Throwaway Filters, Add	5,235.89	
For Combination Filter Mixing Box And Throwaway Filters, Add	6,630.45	
For Manual Roll Filter, Add	13,765.33	
For Automatic Roll Filter, Add	13,765.33	
For Hot Water Heating Coil, Aluminum Fins, Add	3,063.02	
For Electric Heating Coil, Add	3,538.67	
For Chilled Water Cooling Coil, Aluminum Fins, Add	11,387.03	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	11,387.03	
For Chilled Water Cooling Coil, Copper Fins, Add	13,765.33	
For Direct Expansion Cooling Coil, Copper Fins, Add	13,765.33	
For 2 Coils, Independent Circuits, Add	3,538.67	
23 73 13 00-0069 EA 11,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	31,497.80	4,972.98
For Economizer, Panel, Controls And Damper(s), Add	3,316.30	
For Flat Filter Box And Throwaway Filters, Add	2,793.73	
For Medium Capacity Filter Box And Throwaway Filters, Add	5,373.83	
For Combination Filter Mixing Box And Throwaway Filters, Add	6,806.30	
For Manual Roll Filter, Add	14,119.34	
For Automatic Roll Filter, Add	14,119.34	
For Hot Water Heating Coil, Aluminum Fins, Add	3,149.78	
For Electric Heating Coil, Add	3,637.32	
For Chilled Water Cooling Coil, Aluminum Fins, Add	11,681.66	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	11,681.66	
For Chilled Water Cooling Coil, Copper Fins, Add	14,119.34	
For Direct Expansion Cooling Coil, Copper Fins, Add	14,119.34	
For 2 Coils, Independent Circuits, Add	3,637.32	
23 73 13 00-0070 EA 12,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	32,324.31	5,150.46
For Economizer, Panel, Controls And Damper(s), Add	3,386.09	
For Flat Filter Box And Throwaway Filters, Add	2,864.75	
For Medium Capacity Filter Box And Throwaway Filters, Add	5,508.89	
For Combination Filter Mixing Box And Throwaway Filters, Add	6,978.03	
For Manual Roll Filter, Add	14,469.23	
For Automatic Roll Filter, Add	14,469.23	
For Hot Water Heating Coil, Aluminum Fins, Add	3,232.43	
For Electric Heating Coil, Add	3,731.84	
For Chilled Water Cooling Coil, Aluminum Fins, Add	11,972.17	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	11,972.17	
For Chilled Water Cooling Coil, Copper Fins, Add	14,469.23	
For Direct Expansion Cooling Coil, Copper Fins, Add	14,469.23	
For 2 Coils, Independent Circuits, Add	3,731.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0071 EA 13,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	36,511.79	5,357.45
For Economizer, Panel, Controls And Damper(s), Add	2,934.80	
For Flat Filter Box And Throwaway Filters, Add	3,267.48	
For Medium Capacity Filter Box And Throwaway Filters, Add	6,304.74	
For Combination Filter Mixing Box And Throwaway Filters, Add	7,976.85	
For Manual Roll Filter, Add	16,628.19	
For Automatic Roll Filter, Add	16,628.19	
For Hot Water Heating Coil, Aluminum Fins, Add	3,651.18	
For Electric Heating Coil, Add	4,227.94	
For Chilled Water Cooling Coil, Aluminum Fins, Add	13,744.41	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	13,744.41	
For Chilled Water Cooling Coil, Copper Fins, Add	16,628.19	
For Direct Expansion Cooling Coil, Copper Fins, Add	16,628.19	
For 2 Coils, Independent Circuits, Add	4,227.94	
23 73 13 00-0072 EA 15,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	40,665.37	5,569.68
For Economizer, Panel, Controls And Damper(s), Add	3,128.07	
For Flat Filter Box And Throwaway Filters, Add	3,668.52	
For Medium Capacity Filter Box And Throwaway Filters, Add	7,098.22	
For Combination Filter Mixing Box And Throwaway Filters, Add	8,972.28	
For Manual Roll Filter, Add	18,783.76	
For Automatic Roll Filter, Add	18,783.76	
For Hot Water Heating Coil, Aluminum Fins, Add	4,066.54	
For Electric Heating Coil, Add	4,720.64	
For Chilled Water Cooling Coil, Aluminum Fins, Add	15,513.27	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	15,513.27	
For Chilled Water Cooling Coil, Copper Fins, Add	18,783.76	
For Direct Expansion Cooling Coil, Copper Fins, Add	18,783.76	
For 2 Coils, Independent Circuits, Add	4,720.64	
23 73 13 00-0073 EA 16,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	46,716.49	5,779.75
For Economizer, Panel, Controls And Damper(s), Add	3,179.15	
For Flat Filter Box And Throwaway Filters, Add	4,259.04	
For Medium Capacity Filter Box And Throwaway Filters, Add	8,270.50	
For Combination Filter Mixing Box And Throwaway Filters, Add	10,441.28	
For Manual Roll Filter, Add	21,980.55	
For Automatic Roll Filter, Add	21,980.55	
For Hot Water Heating Coil, Aluminum Fins, Add	4,671.65	
For Electric Heating Coil, Add	5,440.93	
For Chilled Water Cooling Coil, Aluminum Fins, Add	18,134.13	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	18,134.13	
For Chilled Water Cooling Coil, Copper Fins, Add	21,980.55	
For Direct Expansion Cooling Coil, Copper Fins, Add	21,980.55	
For 2 Coils, Independent Circuits, Add	5,440.93	
23 73 13 00-0074 EA 17,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	52,771.72	5,987.74
For Economizer, Panel, Controls And Damper(s), Add	3,230.94	
For Flat Filter Box And Throwaway Filters, Add	4,849.76	
For Medium Capacity Filter Box And Throwaway Filters, Add	9,443.08	
For Combination Filter Mixing Box And Throwaway Filters, Add	11,910.70	
For Manual Roll Filter, Add	25,177.75	
For Automatic Roll Filter, Add	25,177.75	
For Hot Water Heating Coil, Aluminum Fins, Add	5,277.17	
For Electric Heating Coil, Add	6,161.64	
For Chilled Water Cooling Coil, Aluminum Fins, Add	20,755.40	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	20,755.40	
For Chilled Water Cooling Coil, Copper Fins, Add	25,177.75	
For Direct Expansion Cooling Coil, Copper Fins, Add	25,177.75	
For 2 Coils, Independent Circuits, Add	6,161.64	
23 73 13 00-0075 EA 20,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	59,240.97	6,491.97
For Economizer, Panel, Controls And Damper(s), Add	3,357.60	
For Flat Filter Box And Throwaway Filters, Add	5,460.50	
For Medium Capacity Filter Box And Throwaway Filters, Add	8,144.39	
For Combination Filter Mixing Box And Throwaway Filters, Add	13,419.44	
For Manual Roll Filter, Add	20,914.79	
For Automatic Roll Filter, Add	25,911.69	
For Hot Water Heating Coil, Aluminum Fins, Add	5,924.10	
For Electric Heating Coil, Add	6,923.48	
For Chilled Water Cooling Coil, Aluminum Fins, Add	20,914.79	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	20,914.79	
For Steam Heating Coil, Aluminum Fins, Add	10,920.99	
For Chilled Water Cooling Coil, Copper Fins, Add	25,911.69	
For Direct Expansion Cooling Coil, Copper Fins, Add	25,911.69	
For 2 Coils, Independent Circuits, Add	6,923.48	
23 73 13 00-0076 EA 22,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	63,893.07	7,059.23
For Economizer, Panel, Controls And Damper(s), Add	3,269.40	
For Flat Filter Box And Throwaway Filters, Add	5,887.84	
For Medium Capacity Filter Box And Throwaway Filters, Add	8,781.61	
For Combination Filter Mixing Box And Throwaway Filters, Add	14,468.87	
For Manual Roll Filter, Add	22,548.43	
For Automatic Roll Filter, Add	27,934.80	
For Hot Water Heating Coil, Aluminum Fins, Add	6,389.31	
For Electric Heating Coil, Add	7,466.58	
For Chilled Water Cooling Coil, Aluminum Fins, Add	22,548.43	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	22,548.43	
For Steam Heating Coil, Aluminum Fins, Add	11,775.68	
For Chilled Water Cooling Coil, Copper Fins, Add	27,934.80	
For Direct Expansion Cooling Coil, Copper Fins, Add	27,934.80	
For 2 Coils, Independent Circuits, Add	7,466.58	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0077 EA 25,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	76,191.53	7,626.23
For Economizer, Panel, Controls And Damper(s), Add	3,398.82	
For Flat Filter Box And Throwaway Filters, Add	7,074.55	
For Medium Capacity Filter Box And Throwaway Filters, Add	10,557.36	
For Combination Filter Mixing Box And Throwaway Filters, Add	17,414.06	
For Manual Roll Filter, Add	27,208.98	
For Automatic Roll Filter, Add	33,738.92	
For Hot Water Heating Coil, Aluminum Fins, Add	7,619.15	
For Electric Heating Coil, Add	8,925.14	
For Chilled Water Cooling Coil, Aluminum Fins, Add	27,208.98	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	27,208.98	
For Steam Heating Coil, Aluminum Fins, Add	14,149.09	
For Chilled Water Cooling Coil, Copper Fins, Add	33,738.92	
For Direct Expansion Cooling Coil, Copper Fins, Add	33,738.92	
For 2 Coils, Independent Circuits, Add	8,925.14	
23 73 13 00-0078 EA 27,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	86,110.61	8,256.78
For Economizer, Panel, Controls And Damper(s), Add	3,531.80	
For Flat Filter Box And Throwaway Filters, Add	8,022.13	
For Medium Capacity Filter Box And Throwaway Filters, Add	11,974.30	
For Combination Filter Mixing Box And Throwaway Filters, Add	19,760.85	
For Manual Roll Filter, Add	30,910.65	
For Automatic Roll Filter, Add	38,343.84	
For Hot Water Heating Coil, Aluminum Fins, Add	8,611.06	
For Electric Heating Coil, Add	10,097.70	
For Chilled Water Cooling Coil, Aluminum Fins, Add	30,910.65	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	30,910.65	
For Steam Heating Coil, Aluminum Fins, Add	16,044.26	
For Chilled Water Cooling Coil, Copper Fins, Add	38,343.84	
For Direct Expansion Cooling Coil, Copper Fins, Add	38,343.84	
For 2 Coils, Independent Circuits, Add	10,097.70	
23 73 13 00-0079 EA 30,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	93,331.63	8,887.35
For Economizer, Panel, Controls And Damper(s), Add	3,670.27	
For Flat Filter Box And Throwaway Filters, Add	8,698.07	
For Medium Capacity Filter Box And Throwaway Filters, Add	12,983.60	
For Combination Filter Mixing Box And Throwaway Filters, Add	21,427.64	
For Manual Roll Filter, Add	33,522.12	
For Automatic Roll Filter, Add	41,585.11	
For Hot Water Heating Coil, Aluminum Fins, Add	9,333.16	
For Electric Heating Coil, Add	10,945.76	
For Chilled Water Cooling Coil, Aluminum Fins, Add	33,522.12	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	33,522.12	
For Steam Heating Coil, Aluminum Fins, Add	17,396.15	
For Chilled Water Cooling Coil, Copper Fins, Add	41,585.11	
For Direct Expansion Cooling Coil, Copper Fins, Add	41,585.11	
For 2 Coils, Independent Circuits, Add	10,945.76	
23 73 13 00-0080 EA 32,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	104,338.62	10,399.49
For Economizer, Panel, Controls And Damper(s), Add	3,685.25	
For Flat Filter Box And Throwaway Filters, Add	9,691.76	
For Medium Capacity Filter Box And Throwaway Filters, Add	14,463.44	
For Combination Filter Mixing Box And Throwaway Filters, Add	23,858.36	
For Manual Roll Filter, Add	37,282.86	
For Automatic Roll Filter, Add	46,232.53	
For Hot Water Heating Coil, Aluminum Fins, Add	10,433.86	
For Electric Heating Coil, Add	12,223.80	
For Chilled Water Cooling Coil, Aluminum Fins, Add	37,282.86	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	37,282.86	
For Steam Heating Coil, Aluminum Fins, Add	19,383.53	
For Chilled Water Cooling Coil, Copper Fins, Add	46,232.53	
For Direct Expansion Cooling Coil, Copper Fins, Add	46,232.53	
For 2 Coils, Independent Circuits, Add	12,223.80	
23 73 13 00-0081 EA 35,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	104,893.72	10,777.94
For Economizer, Panel, Controls And Damper(s), Add	3,754.63	
For Flat Filter Box And Throwaway Filters, Add	9,719.52	
For Medium Capacity Filter Box And Throwaway Filters, Add	14,502.29	
For Combination Filter Mixing Box And Throwaway Filters, Add	23,913.87	
For Manual Roll Filter, Add	37,338.37	
For Automatic Roll Filter, Add	46,288.04	
For Hot Water Heating Coil, Aluminum Fins, Add	10,489.37	
For Electric Heating Coil, Add	12,279.31	
For Chilled Water Cooling Coil, Aluminum Fins, Add	37,338.37	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	37,338.37	
For Steam Heating Coil, Aluminum Fins, Add	19,439.04	
For Chilled Water Cooling Coil, Copper Fins, Add	46,288.04	
For Direct Expansion Cooling Coil, Copper Fins, Add	46,288.04	
For 2 Coils, Independent Circuits, Add	12,279.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0082 EA 37,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	109,702.68	11,155.76
For Economizer, Panel, Controls And Damper(s), Add	3,824.02	
For Flat Filter Box And Throwaway Filters, Add	10,172.66	
For Medium Capacity Filter Box And Throwaway Filters, Add	15,179.23	
For Combination Filter Mixing Box And Throwaway Filters, Add	25,032.84	
For Manual Roll Filter, Add	39,095.42	
For Automatic Roll Filter, Add	48,470.47	
For Hot Water Heating Coil, Aluminum Fins, Add	10,970.27	
For Electric Heating Coil, Add	12,845.28	
For Chilled Water Cooling Coil, Aluminum Fins, Add	39,095.42	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	39,095.42	
For Steam Heating Coil, Aluminum Fins, Add	20,345.32	
For Chilled Water Cooling Coil, Copper Fins, Add	48,470.47	
For Direct Expansion Cooling Coil, Copper Fins, Add	48,470.47	
For 2 Coils, Independent Circuits, Add	12,845.28	
23 73 13 00-0083 EA 40,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	114,796.93	11,975.49
For Economizer, Panel, Controls And Damper(s), Add	3,967.05	
For Flat Filter Box And Throwaway Filters, Add	10,624.87	
For Medium Capacity Filter Box And Throwaway Filters, Add	15,851.83	
For Combination Filter Mixing Box And Throwaway Filters, Add	26,134.77	
For Manual Roll Filter, Add	40,789.85	
For Automatic Roll Filter, Add	50,559.90	
For Hot Water Heating Coil, Aluminum Fins, Add	11,479.69	
For Electric Heating Coil, Add	13,433.70	
For Chilled Water Cooling Coil, Aluminum Fins, Add	40,789.85	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	40,789.85	
For Steam Heating Coil, Aluminum Fins, Add	21,249.75	
For Chilled Water Cooling Coil, Copper Fins, Add	50,559.90	
For Direct Expansion Cooling Coil, Copper Fins, Add	50,559.90	
For 2 Coils, Independent Circuits, Add	13,433.70	
23 73 13 00-0084 EA 45,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	123,694.84	12,605.78
For Economizer, Panel, Controls And Damper(s), Add	4,071.07	
For Flat Filter Box And Throwaway Filters, Add	11,473.06	
For Medium Capacity Filter Box And Throwaway Filters, Add	17,119.94	
For Combination Filter Mixing Box And Throwaway Filters, Add	28,234.42	
For Manual Roll Filter, Add	44,099.37	
For Automatic Roll Filter, Add	54,675.99	
For Hot Water Heating Coil, Aluminum Fins, Add	12,369.48	
For Electric Heating Coil, Add	14,484.81	
For Chilled Water Cooling Coil, Aluminum Fins, Add	44,099.37	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	44,099.37	
For Steam Heating Coil, Aluminum Fins, Add	22,946.11	
For Chilled Water Cooling Coil, Copper Fins, Add	54,675.99	
For Direct Expansion Cooling Coil, Copper Fins, Add	54,675.99	
For 2 Coils, Independent Circuits, Add	14,484.81	
23 73 13 00-0085 EA 50,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	132,965.34	13,299.10
For Economizer, Panel, Controls And Damper(s), Add	3,802.28	
For Flat Filter Box And Throwaway Filters, Add	12,345.39	
For Medium Capacity Filter Box And Throwaway Filters, Add	18,422.97	
For Combination Filter Mixing Box And Throwaway Filters, Add	30,387.91	
For Manual Roll Filter, Add	47,479.29	
For Automatic Roll Filter, Add	58,873.54	
For Hot Water Heating Coil, Aluminum Fins, Add	13,296.53	
For Electric Heating Coil, Add	15,575.38	
For Chilled Water Cooling Coil, Aluminum Fins, Add	47,479.29	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	47,479.29	
For Steam Heating Coil, Aluminum Fins, Add	24,690.79	
For Chilled Water Cooling Coil, Copper Fins, Add	58,873.54	
For Direct Expansion Cooling Coil, Copper Fins, Add	58,873.54	
For 2 Coils, Independent Circuits, Add	15,575.38	
23 73 13 00-0086 EA 55,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	143,216.43	14,118.47
For Economizer, Panel, Controls And Damper(s), Add	3,915.85	
For Flat Filter Box And Throwaway Filters, Add	13,313.72	
For Medium Capacity Filter Box And Throwaway Filters, Add	19,869.78	
For Combination Filter Mixing Box And Throwaway Filters, Add	32,780.33	
For Manual Roll Filter, Add	51,239.02	
For Automatic Roll Filter, Add	63,544.81	
For Hot Water Heating Coil, Aluminum Fins, Add	14,321.64	
For Electric Heating Coil, Add	16,782.80	
For Chilled Water Cooling Coil, Aluminum Fins, Add	51,239.02	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	51,239.02	
For Steam Heating Coil, Aluminum Fins, Add	26,627.43	
For Chilled Water Cooling Coil, Copper Fins, Add	63,544.81	
For Direct Expansion Cooling Coil, Copper Fins, Add	63,544.81	
For 2 Coils, Independent Circuits, Add	16,782.80	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 70 Central HVAC Equipment

23 73 Indoor Central-Station Air-Handling Units



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0087 EA 60,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	153,591.86	14,496.65
For Economizer, Panel, Controls And Damper(s), Add	3,967.28	
For Flat Filter Box And Throwaway Filters, Add	14,325.55	
For Medium Capacity Filter Box And Throwaway Filters, Add	21,384.96	
For Combination Filter Mixing Box And Throwaway Filters, Add	35,297.05	
For Manual Roll Filter, Add	55,234.92	
For Automatic Roll Filter, Add	68,526.83	
For Hot Water Heating Coil, Aluminum Fins, Add	15,359.19	
For Electric Heating Coil, Add	18,017.57	
For Chilled Water Cooling Coil, Aluminum Fins, Add	55,234.92	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	55,234.92	
For Steam Heating Coil, Aluminum Fins, Add	28,651.10	
For Chilled Water Cooling Coil, Copper Fins, Add	68,526.83	
For Direct Expansion Cooling Coil, Copper Fins, Add	68,526.83	
For 2 Coils, Independent Circuits, Add	18,017.57	
23 73 13 00-0088 Return/Supply Air Fan (23 73 13)		
Note: Includes vibration mounts.		
23 73 13 00-0089 EA 300 CFM Return Air Fan.....	2,611.70	504.14
23 73 13 00-0090 EA 500 CFM Return Air Fan.....	3,384.42	604.99
23 73 13 00-0091 EA 750 CFM Return Air Fan.....	3,535.06	630.20
23 73 13 00-0092 EA 1,000 CFM Return Air Fan.....	4,032.70	668.02
23 73 13 00-0093 EA 1,250 CFM Return Air Fan.....	4,155.98	699.53
23 73 13 00-0094 EA 1,500 CFM Return Air Fan.....	4,253.07	731.04
23 73 13 00-0095 EA 1,750 CFM Return Air Fan.....	4,463.73	768.86
23 73 13 00-0096 EA 2,000 CFM Return Air Fan.....	4,961.36	806.68
23 73 13 00-0097 EA 2,250 CFM Return Air Fan.....	5,198.03	844.49
23 73 13 00-0098 EA 2,500 CFM Return Air Fan.....	5,330.34	882.31
23 73 13 00-0099 EA 3,000 CFM Return Air Fan.....	5,647.77	976.86
23 73 13 00-0100 EA 3,500 CFM Return Air Fan.....	5,798.24	1,027.28
23 73 13 00-0101 EA 4,000 CFM Return Air Fan.....	5,939.51	1,071.41
23 73 13 00-0102 EA 4,500 CFM Return Air Fan.....	6,116.07	1,121.92
23 73 13 00-0103 EA 5,000 CFM Return Air Fan.....	6,275.26	1,178.64
23 73 13 00-0104 EA 5,500 CFM Return Air Fan.....	6,577.55	1,317.30
23 73 13 00-0105 EA 6,000 CFM Return Air Fan.....	7,476.55	1,563.12
23 73 13 00-0106 EA 6,500 CFM Return Air Fan.....	7,669.65	1,588.33
23 73 13 00-0107 EA 7,000 CFM Return Air Fan.....	7,756.53	1,594.63
23 73 13 00-0108 EA 8,000 CFM Return Air Fan.....	8,158.36	1,619.85
23 73 13 00-0109 EA 9,000 CFM Return Air Fan.....	8,338.94	1,638.76
23 73 13 00-0110 EA 10,000 CFM Return Air Fan.....	8,771.25	1,702.05
23 73 13 00-0111 EA 12,500 CFM Return Air Fan.....	9,336.46	1,733.21
23 73 13 00-0112 EA 15,000 CFM Return Air Fan.....	10,530.02	1,782.46
23 73 13 00-0113 EA 17,500 CFM Return Air Fan.....	11,475.39	1,878.17
23 73 13 00-0114 EA 20,000 CFM Return Air Fan.....	13,627.13	1,959.93
23 73 13 00-0115 EA 22,500 CFM Return Air Fan.....	14,278.86	2,028.27
23 73 13 00-0116 EA 25,000 CFM Return Air Fan.....	14,924.81	2,086.26
23 73 13 00-0117 EA 27,500 CFM Return Air Fan.....	15,825.46	2,294.25
23 73 13 00-0118 EA 30,000 CFM Return Air Fan.....	16,917.80	2,420.13
23 73 13 00-0119 EA 35,000 CFM Return Air Fan.....	19,071.74	2,520.88
23 73 13 00-0120 EA 40,000 CFM Return Air Fan.....	22,458.49	2,773.00
23 73 13 00-0121 EA 45,000 CFM Return Air Fan.....	27,615.89	3,151.18
23 73 13 00-0122 EA 50,000 CFM Return Air Fan.....	33,570.68	3,264.90
23 73 13 00-0123 EA 55,000 CFM Return Air Fan.....	35,135.98	3,359.17
23 73 13 00-0124 EA 60,000 CFM Return Air Fan.....	35,945.47	3,447.41
23 73 13 00-0125 EA 65,000 CFM Return Air Fan.....	37,695.50	3,598.59
23 73 13 00-0126 EA 70,000 CFM Return Air Fan.....	39,592.86	3,775.79
23 73 13 00-0127 EA 75,000 CFM Return Air Fan.....	42,577.27	3,961.00
23 73 13 00-0128 EA 80,000 CFM Return Air Fan.....	44,468.65	4,170.98
23 73 13 00-0129 EA 90,000 CFM Return Air Fan.....	45,924.03	4,408.52
23 73 13 00-0130 EA 100,000 CFM Return Air Fan.....	49,368.44	4,610.29
23 73 13 00-0131 EA 115,000 CFM Return Air Fan.....	53,101.29	4,830.80
23 73 13 00-0132 EA 130,000 CFM Return Air Fan.....	57,152.84	5,074.19
23 73 13 00-0133 EA 150,000 CFM Return Air Fan.....	62,519.45	5,344.49
23 73 13 00-0134 Removal And Reinstallation Of Air Handling Unit (23 73 13)		
Note: Air handling units with filter and coils. Includes storage and cleaning. Excludes ductwork.		
23 73 13 00-0135 EA Removal And Reinstallation Of Up To 11,500 CFM Air Handling Unit.....	2,308.75	
23 73 13 00-0136 EA Removal And Reinstallation Of >11,500 To 16,500 CFM Air Handling Unit.....	3,131.87	
23 73 13 00-0137 EA Removal And Reinstallation Of >16,500 To 22,000 CFM Air Handling Unit.....	3,896.02	
23 73 13 00-0138 EA Removal And Reinstallation Of >22,000 CFM Air Handling Unit.....	7,108.52	

23 74 Packaged Outdoor HVAC Equipment (23 70)

23 74 16 Packaged Rooftop Air-Conditioning Units (23 74)

23 74 16 13 Packaged, Large-Capacity, Rooftop Air-Conditioning Units (23 74 16)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
23 74	16	13-0001	Electric Cooling, Electric Heat, Self Contained Packaged Rooftop Air-Conditioning Units <small>(23 74 16 13)</small>			
			<small>Note: Units up to 5 tons have 13 SEER. Units >5 to 11 tons have 11.7 EER, >11 to 20 tons have 11.7 EER, >20 to 63 tons have 10.5 EER and >63 tons have 9.2 EER. Excludes crane and associated personnel. See CSI section 01 22 23 00-0788 for crane lifting equipment, 26 28 16 00-0001 for disconnects.</small>			
	23 74	16	13-0002	EA 2 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	3,083.42	239.83
			<small>Note: Electric load approximately 1/2 the cooling capacity.</small>			
			<i>For Unit Without Heat, Deduct</i>	-414.63		
			<i>For Unit Economizer, Add</i>	418.91		
			<i>For Equipment Base Roof Curb, Add</i>	377.45		
	23 74	16	13-0003	EA 3 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	4,508.66	271.75
			<small>Note: Electric load approximately 1/2 the cooling capacity.</small>			
			<i>For Unit Without Heat, Deduct</i>	-621.95		
			<i>For Unit Economizer, Add</i>	616.72		
			<i>For Equipment Base Roof Curb, Add</i>	554.52		
	23 74	16	13-0004	EA 4 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	5,595.63	278.65
			<small>Note: Electric load approximately 1/2 the cooling capacity.</small>			
			<i>For Unit Without Heat, Deduct</i>	-783.70		
			<i>For Unit Economizer, Add</i>	768.55		
			<i>For Equipment Base Roof Curb, Add</i>	690.18		
	23 74	16	13-0005	EA 5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	6,996.70	349.40
			<small>Note: Electric load approximately 1/2 the cooling capacity.</small>			
			<i>For Unit Without Heat, Deduct</i>	-979.63		
			<i>For Unit Economizer, Add</i>	960.90		
			<i>For Equipment Base Roof Curb, Add</i>	862.94		
	23 74	16	13-0006	EA 6 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	8,379.14	375.28
			<small>Note: Electric load approximately 1/2 the cooling capacity.</small>			
			<i>For Unit Without Heat, Deduct</i>	-1,181.82		
			<i>For Unit Economizer, Add</i>	1,153.07		
			<i>For Equipment Base Roof Curb, Add</i>	1,034.88		
	23 74	16	13-0007	EA 7.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	9,761.58	401.16
			<small>Note: Electric load approximately 1/2 the cooling capacity.</small>			
			<i>For Unit Without Heat, Deduct</i>	-1,384.01		
			<i>For Unit Economizer, Add</i>	1,345.23		
			<i>For Equipment Base Roof Curb, Add</i>	1,206.83		
	23 74	16	13-0008	EA 8.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	11,317.38	414.10
			<small>Note: Electric load approximately 1/2 the cooling capacity.</small>			
			<i>For Unit Without Heat, Deduct</i>	-1,614.79		
			<i>For Unit Economizer, Add</i>	1,562.35		
			<i>For Equipment Base Roof Curb, Add</i>	1,400.87		
	23 74	16	13-0009	EA 10 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	12,863.03	420.99
			<small>Note: Electric load approximately 1/2 the cooling capacity.</small>			
			<i>For Unit Without Heat, Deduct</i>	-1,845.34		
			<i>For Unit Economizer, Add</i>	1,778.39		
			<i>For Equipment Base Roof Curb, Add</i>	1,593.86		
	23 74	16	13-0010	EA 12.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	16,085.27	530.56
			<small>Note: Electric load approximately 1/2 the cooling capacity.</small>			
			<i>For Unit Without Heat, Deduct</i>	-2,306.68		
			<i>For Unit Economizer, Add</i>	2,223.64		
			<i>For Equipment Base Roof Curb, Add</i>	1,992.97		
	23 74	16	13-0011	EA 15 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	19,298.87	634.09
			<small>Note: Electric load approximately 1/2 the cooling capacity.</small>			
			<i>For Unit Without Heat, Deduct</i>	-2,768.01		
			<i>For Unit Economizer, Add</i>	2,668.02		
			<i>For Equipment Base Roof Curb, Add</i>	2,391.22		
	23 74	16	13-0012	EA 17.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	21,744.45	731.57
			<small>Note: Electric load approximately 1/2 the cooling capacity.</small>			
			<i>For Unit Without Heat, Deduct</i>	-3,115.44		
			<i>For Unit Economizer, Add</i>	3,005.23		
			<i>For Equipment Base Roof Curb, Add</i>	2,693.68		
	23 74	16	13-0013	EA 20 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	24,198.64	835.10
			<small>Note: Electric load approximately 1/2 the cooling capacity.</small>			
			<i>For Unit Without Heat, Deduct</i>	-3,462.86		
			<i>For Unit Economizer, Add</i>	3,343.29		
			<i>For Equipment Base Roof Curb, Add</i>	2,997.01		
	23 74	16	13-0014	EA 22.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	27,084.36	835.10
			<small>Note: Electric load approximately 1/2 the cooling capacity.</small>			
			<i>For Unit Without Heat, Deduct</i>	-3,895.72		
			<i>For Unit Economizer, Add</i>	3,747.30		
			<i>For Equipment Base Roof Curb, Add</i>	3,357.72		
	23 74	16	13-0015	EA 25 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	30,272.03	1,061.13
			<small>Note: Electric load approximately 1/2 the cooling capacity.</small>			
			<i>For Unit Without Heat, Deduct</i>	-4,328.58		
			<i>For Unit Economizer, Add</i>	4,181.49		
			<i>For Equipment Base Roof Curb, Add</i>	3,748.63		
	23 74	16	13-0016	EA 27.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	33,313.04	1,177.59
			<small>Note: Electric load approximately 1/2 the cooling capacity.</small>			
			<i>For Unit Without Heat, Deduct</i>	-4,761.44		
			<i>For Unit Economizer, Add</i>	4,601.02		
			<i>For Equipment Base Roof Curb, Add</i>	4,124.88		
	23 74	16	13-0017	EA 30 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	36,354.04	1,294.06
			<small>Note: Electric load approximately 1/2 the cooling capacity.</small>			
			<i>For Unit Without Heat, Deduct</i>	-5,194.30		
			<i>For Unit Economizer, Add</i>	5,020.55		
			<i>For Equipment Base Roof Curb, Add</i>	4,501.12		

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 70 Central HVAC Equipment

23 74 Packaged Outdoor HVAC Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0018	EA		35 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	42,298.03	1,423.46
			<i>For Unit Without Heat, Deduct</i>	-6,060.01	
			<i>For Unit Economizer, Add</i>	5,845.81	
			<i>For Equipment Base Roof Curb, Add</i>	5,239.81	
23 74 16 13-0019	EA		40 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	45,195.78	1,546.83
			<i>For Unit Without Heat, Deduct</i>	-6,470.09	
			<i>For Unit Economizer, Add</i>	6,244.93	
			<i>For Equipment Base Roof Curb, Add</i>	5,597.93	
23 74 16 13-0020	EA		45 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	50,854.96	1,746.97
			<i>For Unit Without Heat, Deduct</i>	-7,278.85	
			<i>For Unit Economizer, Add</i>	7,026.52	
			<i>For Equipment Base Roof Curb, Add</i>	6,298.64	
23 74 16 13-0021	EA		50 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	56,505.51	1,941.08
			<i>For Unit Without Heat, Deduct</i>	-8,087.61	
			<i>For Unit Economizer, Add</i>	7,807.25	
			<i>For Equipment Base Roof Curb, Add</i>	6,998.49	
23 74 16 13-0022	EA		55 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	60,204.09	2,038.56
			<i>For Unit Without Heat, Deduct</i>	-8,622.99	
			<i>For Unit Economizer, Add</i>	8,319.87	
			<i>For Equipment Base Roof Curb, Add</i>	7,457.57	
23 74 16 13-0023	EA		60 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	63,868.17	2,109.31
			<i>For Unit Without Heat, Deduct</i>	-9,158.36	
			<i>For Unit Economizer, Add</i>	8,829.05	
			<i>For Equipment Base Roof Curb, Add</i>	7,913.21	
23 74 16 13-0024	EA		65 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	69,094.19	2,212.83
			<i>For Unit Without Heat, Deduct</i>	-9,921.56	
			<i>For Unit Economizer, Add</i>	9,555.17	
			<i>For Equipment Base Roof Curb, Add</i>	8,563.01	
23 74 16 13-0025	EA		70 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	74,320.19	2,316.36
			<i>For Unit Without Heat, Deduct</i>	-10,684.76	
			<i>For Unit Economizer, Add</i>	10,281.29	
			<i>For Equipment Base Roof Curb, Add</i>	9,212.81	
23 74 16 13-0026	EA		75 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	79,166.51	2,419.88
			<i>For Unit Without Heat, Deduct</i>	-11,391.00	
			<i>For Unit Economizer, Add</i>	10,954.25	
			<i>For Equipment Base Roof Curb, Add</i>	9,815.15	
23 74 16 13-0027			Electric Cooling, Gas Heat, Self Contained Packaged Rooftop Air-Conditioning Units <small>(23 74 16 13)</small> Note: Units up to 5 tons have 13 SEER. Units >5 to 11 tons have 11.2 EER, >11 to 20 tons have 11 EER, >20 to 63 tons have 10 EER and >63 tons have 9.7 EER. Excludes crane and associated personnel. See CSI section 01 22 23 00-0788 for crane lifting equipment.		
23 74 16 13-0028	EA		2 Ton Electric Cooling, 50 MBH Gas Heating, Self Contained Package Rooftop Unit <i>For Hot Water Heating Coil Instead Of Gas, Deduct</i> <i>For Steam Heating Coil Instead Of Gas, Deduct</i> <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	4,306.99 -199.39 -79.76 590.21 530.39	239.83
23 74 16 13-0029	EA		3 Ton Electric Cooling, 60 MBH Gas Heating, Self Contained Package Rooftop Unit <i>For Hot Water Heating Coil Instead Of Gas, Deduct</i> <i>For Steam Heating Coil Instead Of Gas, Deduct</i> <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	4,396.31 -201.70 -80.68 600.99 540.48	271.75
23 74 16 13-0030	EA		4 Ton Electric Cooling, 80 MBH Gas Heating, Self Contained Package Rooftop Unit <i>For Hot Water Heating Coil Instead Of Gas, Deduct</i> <i>For Steam Heating Coil Instead Of Gas, Deduct</i> <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	5,151.66 -239.04 -95.61 706.39 634.68	278.65
23 74 16 13-0031	EA		5 Ton Electric Cooling, 100 MBH Gas Heating, Self Contained Package Rooftop Unit <i>For Hot Water Heating Coil Instead Of Gas, Deduct</i> <i>For Steam Heating Coil Instead Of Gas, Deduct</i> <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	5,804.27 -266.92 -106.77 793.96 713.89	349.40
23 74 16 13-0032	EA		6 Ton Electric Cooling, 140 MBH Gas Heating, Self Contained Package Rooftop Unit <i>For Hot Water Heating Coil Instead Of Gas, Deduct</i> <i>For Steam Heating Coil Instead Of Gas, Deduct</i> <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	6,702.14 -310.09 -124.04 918.29 825.26	375.28
23 74 16 13-0033	EA		7.5 Ton Electric Cooling, 150 MBH Gas Heating, Self Contained Package Rooftop Unit <i>For Hot Water Heating Coil Instead Of Gas, Deduct</i> <i>For Steam Heating Coil Instead Of Gas, Deduct</i> <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	8,559.92 -401.25 -160.50 1,176.99 1,056.62	401.16



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Central HVAC Equipment	23 70
Packaged Outdoor HVAC Equipment	23 74

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0034 EA 8.5 Ton Electric Cooling, 170 MBH Gas Heating, Self Contained Package Rooftop Unit.....	9,539.75	414.10
For Hot Water Heating Coil Instead Of Gas, Deduct	-449.38	
For Steam Heating Coil Instead Of Gas, Deduct	-179.75	
For Unit Economizer, Add	1,313.48	
For Equipment Base Roof Curb, Add	1,178.67	
23 74 16 13-0035 EA 10 Ton Electric Cooling, 200 MBH Gas Heating, Self Contained Package Rooftop Unit.....	11,218.73	420.99
For Hot Water Heating Coil Instead Of Gas, Deduct	-532.90	
For Steam Heating Coil Instead Of Gas, Deduct	-213.16	
For Unit Economizer, Add	1,548.19	
For Equipment Base Roof Curb, Add	1,388.32	
23 74 16 13-0036 EA 12.5 Ton Electric Cooling, 250 MBH Gas Heating, Self Contained Package Rooftop Unit.....	13,485.98	530.56
For Hot Water Heating Coil Instead Of Gas, Deduct	-638.93	
For Steam Heating Coil Instead Of Gas, Deduct	-255.57	
For Unit Economizer, Add	1,859.74	
For Equipment Base Roof Curb, Add	1,668.06	
23 74 16 13-0037 EA 15 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit.....	16,763.57	634.09
For Hot Water Heating Coil Instead Of Gas, Deduct	-795.91	
For Steam Heating Coil Instead Of Gas, Deduct	-318.36	
For Unit Economizer, Add	2,313.08	
For Equipment Base Roof Curb, Add	2,074.31	
23 74 16 13-0038 EA 17.5 Ton Electric Cooling, 330 MBH Gas Heating, Self Contained Package Rooftop Unit.....	19,977.46	731.57
For Hot Water Heating Coil Instead Of Gas, Deduct	-950.13	
For Steam Heating Coil Instead Of Gas, Deduct	-380.05	
For Unit Economizer, Add	2,757.85	
For Equipment Base Roof Curb, Add	2,472.81	
23 74 16 13-0039 EA 20 Ton Electric Cooling, 350 MBH Gas Heating, Self Contained Package Rooftop Unit.....	23,210.98	835.10
For Hot Water Heating Coil Instead Of Gas, Deduct	-1,104.91	
For Steam Heating Coil Instead Of Gas, Deduct	-441.96	
For Unit Economizer, Add	3,205.02	
For Equipment Base Roof Curb, Add	2,873.55	
23 74 16 13-0040 EA 22.5 Ton Electric Cooling, 380 MBH Gas Heating, Self Contained Package Rooftop Unit.....	26,066.38	948.11
For Hot Water Heating Coil Instead Of Gas, Deduct	-1,240.13	
For Steam Heating Coil Instead Of Gas, Deduct	-496.05	
For Unit Economizer, Add	3,598.74	
For Equipment Base Roof Curb, Add	3,226.70	
23 74 16 13-0041 EA 25 Ton Electric Cooling, 400 MBH Gas Heating, Self Contained Package Rooftop Unit.....	23,793.83	1,061.13
For Hot Water Heating Coil Instead Of Gas, Deduct	-1,118.95	
For Steam Heating Coil Instead Of Gas, Deduct	-447.58	
For Unit Economizer, Add	3,274.54	
For Equipment Base Roof Curb, Add	2,938.86	
23 74 16 13-0042 EA 27.5 Ton Electric Cooling, 450 MBH Gas Heating, Self Contained Package Rooftop Unit.....	26,895.77	1,177.59
For Hot Water Heating Coil Instead Of Gas, Deduct	-1,266.28	
For Steam Heating Coil Instead Of Gas, Deduct	-506.51	
For Unit Economizer, Add	3,702.60	
For Equipment Base Roof Curb, Add	3,322.72	
23 74 16 13-0043 EA 30 Ton Electric Cooling, 500 MBH Gas Heating, Self Contained Package Rooftop Unit.....	24,759.86	1,294.06
For Hot Water Heating Coil Instead Of Gas, Deduct	-1,151.72	
For Steam Heating Coil Instead Of Gas, Deduct	-460.69	
For Unit Economizer, Add	3,397.36	
For Equipment Base Roof Curb, Add	3,051.85	
23 74 16 13-0044 EA 35 Ton Electric Cooling, 550 MBH Gas Heating, Self Contained Package Rooftop Unit.....	32,549.97	1,423.46
For Hot Water Heating Coil Instead Of Gas, Deduct	-1,532.60	
For Steam Heating Coil Instead Of Gas, Deduct	-613.04	
For Unit Economizer, Add	4,481.08	
For Equipment Base Roof Curb, Add	4,021.30	
23 74 16 13-0045 EA 40 Ton Electric Cooling, 600 MBH Gas Heating, Self Contained Package Rooftop Unit.....	33,991.74	1,546.83
For Hot Water Heating Coil Instead Of Gas, Deduct	-1,596.49	
For Steam Heating Coil Instead Of Gas, Deduct	-638.60	
For Unit Economizer, Add	4,676.37	
For Equipment Base Roof Curb, Add	4,197.42	
23 74 16 13-0046 EA 45 Ton Electric Cooling, 650 MBH Gas Heating, Self Contained Package Rooftop Unit.....	42,014.44	1,746.97
For Hot Water Heating Coil Instead Of Gas, Deduct	-1,984.26	
For Steam Heating Coil Instead Of Gas, Deduct	-793.70	
For Unit Economizer, Add	5,788.85	
For Equipment Base Roof Curb, Add	5,193.57	
23 74 16 13-0047 EA 50 Ton Electric Cooling, 750 MBH Gas Heating, Self Contained Package Rooftop Unit.....	41,821.59	1,941.08
For Hot Water Heating Coil Instead Of Gas, Deduct	-1,961.67	
For Steam Heating Coil Instead Of Gas, Deduct	-784.67	
For Unit Economizer, Add	5,751.50	
For Equipment Base Roof Curb, Add	5,163.00	
23 74 16 13-0048 EA 55 Ton Electric Cooling, 800 MBH Gas Heating, Self Contained Package Rooftop Unit.....	52,950.47	2,038.56
For Hot Water Heating Coil Instead Of Gas, Deduct	-2,511.65	
For Steam Heating Coil Instead Of Gas, Deduct	-1,004.66	
For Unit Economizer, Add	7,304.37	
For Equipment Base Roof Curb, Add	6,550.87	
23 74 16 13-0049 EA 60 Ton Electric Cooling, 850 MBH Gas Heating, Self Contained Package Rooftop Unit.....	53,651.25	2,109.31
For Hot Water Heating Coil Instead Of Gas, Deduct	-2,541.94	
For Steam Heating Coil Instead Of Gas, Deduct	-1,016.78	
For Unit Economizer, Add	7,398.68	
For Equipment Base Roof Curb, Add	6,636.10	
23 74 16 13-0050 EA 65 Ton Electric Cooling, 900 MBH Gas Heating, Self Contained Package Rooftop Unit.....	62,888.51	2,212.83
For Hot Water Heating Coil Instead Of Gas, Deduct	-2,996.90	
For Steam Heating Coil Instead Of Gas, Deduct	-1,198.76	
For Unit Economizer, Add	8,686.37	
For Equipment Base Roof Curb, Add	7,787.30	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 70 Central HVAC Equipment

23 74 Packaged Outdoor HVAC Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0051 EA 70 Ton Electric Cooling, 950 MBH Gas Heating, Self Contained Package Rooftop Unit.....	68,424.37	2,316.36
<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-3,266.80	
<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-1,306.72	
<i>For Unit Economizer, Add</i>	9,455.87	
<i>For Equipment Base Roof Curb, Add</i>	8,475.83	
23 74 16 13-0052 EA 75 Ton Electric Cooling, 1,000 MBH Gas Heating, Self Contained Package Rooftop Unit.....	72,875.17	2,419.88
<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-3,482.43	
<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-1,392.97	
<i>For Unit Economizer, Add</i>	10,073.46	
<i>For Equipment Base Roof Curb, Add</i>	9,028.73	
23 74 16 13-0053 EA 80 Ton Electric Cooling, 1,100 MBH Gas Heating, Self Contained Package Rooftop Unit.....	69,688.17	2,530.31
<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-3,315.75	
<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-1,326.30	
<i>For Unit Economizer, Add</i>	9,621.42	
<i>For Equipment Base Roof Curb, Add</i>	8,626.69	
23 74 16 13-0054 EA 90 Ton Electric Cooling, 1,200 MBH Gas Heating, Self Contained Package Rooftop Unit.....	81,810.07	2,646.77
<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-3,914.08	
<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-1,565.63	
<i>For Unit Economizer, Add</i>	11,312.27	
<i>For Equipment Base Roof Curb, Add</i>	10,138.05	
23 74 16 13-0055 EA 100 Ton Electric Cooling, 1,350 MBH Gas Heating, Self Contained Package Rooftop Unit.....	88,047.37	2,911.63
<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-4,208.26	
<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-1,683.30	
<i>For Unit Economizer, Add</i>	12,171.35	
<i>For Equipment Base Roof Curb, Add</i>	10,908.87	
23 74 16 13-0056 Gas Cooling, Gas Heat, Self Contained Packaged Rooftop Air-Conditioning Units		
<small>(23 74 16 13)</small>		
<small>Note: Units up to 5 tons have 13 SEER. Units > 5 to 11 tons have 10.1 EER, >11 to 19 tons have 9.5 EER, >19 to 63 tons have 9.3 EER and >63 tons have 9.0 EER. Excludes crane and associated personnel. See CSI section 01 22 23 00-0788 for crane lifting equipment.</small>		
23 74 16 13-0057 EA 2 Ton Gas Cooling, 80 MBH Gas Heating, Self Contained Package Rooftop Unit.....	4,537.26	239.83
<i>For Unit Economizer, Add</i>	622.45	
<i>For Equipment Base Roof Curb, Add</i>	559.18	
23 74 16 13-0058 EA 3 Ton Gas Cooling, 90 MBH Gas Heating, Self Contained Package Rooftop Unit.....	5,016.02	271.75
<i>For Unit Economizer, Add</i>	687.75	
<i>For Equipment Base Roof Curb, Add</i>	617.94	
23 74 16 13-0059 EA 4 Ton Gas Cooling, 110 MBH Gas Heating, Self Contained Package Rooftop Unit.....	5,860.10	278.65
<i>For Unit Economizer, Add</i>	805.58	
<i>For Equipment Base Roof Curb, Add</i>	723.24	
23 74 16 13-0060 EA 5 Ton Gas Cooling, 112 MBH Gas Heating, Self Contained Package Rooftop Unit.....	6,714.53	349.40
<i>For Unit Economizer, Add</i>	921.40	
<i>For Equipment Base Roof Curb, Add</i>	827.67	
23 74 16 13-0061 EA 6 Ton Gas Cooling, 150 MBH Gas Heating, Self Contained Package Rooftop Unit.....	7,806.55	375.28
<i>For Unit Economizer, Add</i>	1,072.90	
<i>For Equipment Base Roof Curb, Add</i>	963.31	
23 74 16 13-0062 EA 7.5 Ton Gas Cooling, 200 MBH Gas Heating, Self Contained Package Rooftop Unit.....	10,112.84	401.16
<i>For Unit Economizer, Add</i>	1,394.40	
<i>For Equipment Base Roof Curb, Add</i>	1,250.73	
23 74 16 13-0063 EA 8.5 Ton Gas Cooling, 240 MBH Gas Heating, Self Contained Package Rooftop Unit.....	12,781.95	414.10
<i>For Unit Economizer, Add</i>	1,767.39	
<i>For Equipment Base Roof Curb, Add</i>	1,583.94	
23 74 16 13-0064 EA 10 Ton Gas Cooling, 270 MBH Gas Heating, Self Contained Package Rooftop Unit.....	14,146.86	420.99
<i>For Unit Economizer, Add</i>	1,958.13	
<i>For Equipment Base Roof Curb, Add</i>	1,754.34	
23 74 16 13-0065 EA 12.5 Ton Gas Cooling, 335 MBH Gas Heating, Self Contained Package Rooftop Unit.....	16,249.92	530.56
<i>For Unit Economizer, Add</i>	2,246.69	
<i>For Equipment Base Roof Curb, Add</i>	2,013.55	
23 74 16 13-0066 EA 15 Ton Gas Cooling, 375 MBH Gas Heating, Self Contained Package Rooftop Unit.....	18,341.39	634.09
<i>For Unit Economizer, Add</i>	2,533.98	
<i>For Equipment Base Roof Curb, Add</i>	2,271.54	
23 74 16 13-0067 EA 17.5 Ton Gas Cooling, 400 MBH Gas Heating, Self Contained Package Rooftop Unit.....	23,911.78	731.57
<i>For Unit Economizer, Add</i>	3,308.65	
<i>For Equipment Base Roof Curb, Add</i>	2,964.60	
23 74 16 13-0068 EA 20 Ton Gas Cooling, 450 MBH Gas Heating, Self Contained Package Rooftop Unit.....	29,487.10	835.10
<i>For Unit Economizer, Add</i>	4,083.68	
<i>For Equipment Base Roof Curb, Add</i>	3,658.07	
23 74 16 13-0069 EA 22.5 Ton Gas Cooling, 490 MBH Gas Heating, Self Contained Package Rooftop Unit.....	34,078.77	948.11
<i>For Unit Economizer, Add</i>	4,720.47	
<i>For Equipment Base Roof Curb, Add</i>	4,228.25	
23 74 16 13-0070 EA 25 Ton Gas Cooling, 525 MBH Gas Heating, Self Contained Package Rooftop Unit.....	35,195.79	1,061.13
<i>For Unit Economizer, Add</i>	4,870.82	
<i>For Equipment Base Roof Curb, Add</i>	4,364.10	
23 74 16 13-0071 EA 30 Ton Gas Cooling, 650 MBH Gas Heating, Self Contained Package Rooftop Unit.....	41,672.72	1,294.06
<i>For Unit Economizer, Add</i>	5,765.16	
<i>For Equipment Base Roof Curb, Add</i>	5,165.96	
23 74 16 13-0072 EA 35 Ton Gas Cooling, 725 MBH Gas Heating, Self Contained Package Rooftop Unit.....	50,448.36	1,423.46
<i>For Unit Economizer, Add</i>	6,986.85	
<i>For Equipment Base Roof Curb, Add</i>	6,258.60	
23 74 16 13-0073 EA 40 Ton Gas Cooling, 800 MBH Gas Heating, Self Contained Package Rooftop Unit.....	54,073.81	1,546.83
<i>For Unit Economizer, Add</i>	7,487.86	
<i>For Equipment Base Roof Curb, Add</i>	6,707.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0074 EA 45 Ton Gas Cooling, 900 MBH Gas Heating, Self Contained Package Rooftop Unit.....	63,146.42	1,746.97
For Unit Economizer, Add	8,747.33	
For Equipment Base Roof Curb, Add	7,835.07	
23 74 16 13-0075 EA 50 Ton Gas Cooling, 1,000 MBH Gas Heating, Self Contained Package Rooftop Unit.....	65,771.01	1,941.08
For Unit Economizer, Add	9,104.42	
For Equipment Base Roof Curb, Add	8,156.67	
23 74 16 13-0076 EA 55 Ton Gas Cooling, 1,100 MBH Gas Heating, Self Contained Package Rooftop Unit.....	73,820.76	2,038.56
For Unit Economizer, Add	10,226.21	
For Equipment Base Roof Curb, Add	9,159.66	
23 74 16 13-0077 EA 60 Ton Gas Cooling, 1,200 MBH Gas Heating, Self Contained Package Rooftop Unit.....	74,306.50	2,109.31
For Unit Economizer, Add	10,290.41	
For Equipment Base Roof Curb, Add	9,218.00	
23 74 16 13-0078 EA 65 Ton Gas Cooling, 1,250 MBH Gas Heating, Self Contained Package Rooftop Unit.....	86,934.62	2,212.83
For Unit Economizer, Add	12,052.83	
For Equipment Base Roof Curb, Add	10,793.07	
23 74 16 13-0079 EA 70 Ton Gas Cooling, 1,300 MBH Gas Heating, Self Contained Package Rooftop Unit.....	95,565.83	2,316.36
For Unit Economizer, Add	13,255.68	
For Equipment Base Roof Curb, Add	11,868.52	
23 74 16 13-0080 EA 75 Ton Gas Cooling, 1,350 MBH Gas Heating, Self Contained Package Rooftop Unit.....	104,203.48	2,419.88
For Unit Economizer, Add	14,459.43	
For Equipment Base Roof Curb, Add	12,944.77	
23 74 16 13-0081 EA 80 Ton Gas Cooling, 1,400 MBH Gas Heating, Self Contained Package Rooftop Unit.....	107,044.09	2,530.31
For Unit Economizer, Add	14,851.25	
For Equipment Base Roof Curb, Add	13,296.18	
23 74 16 13-0082 EA 90 Ton Gas Cooling, 1,500 MBH Gas Heating, Self Contained Package Rooftop Unit.....	124,091.20	2,646.77
For Unit Economizer, Add	17,231.63	
For Equipment Base Roof Curb, Add	15,423.19	
23 74 16 13-0083 EA 100 Ton Gas Cooling, 1,700 MBH Gas Heating, Self Contained Package Rooftop Unit.....	139,546.69	2,911.63
For Unit Economizer, Add	19,381.25	
For Equipment Base Roof Curb, Add	17,346.28	

23 74 16 13-0084

AAON Rooftop Units (23 74 16 13)

Note: The minimum EER for units 5 to 10 tons is 11.2, >10 to 20 tons is 11.0, and >20 is 10.0. Excludes crane and associated personnel. See CSI section 01 22 23 00-0788 for crane lifting equipment, 26 28 16 00-0001 for disconnects.

23 74 16 13-0085

AAON RQ Rooftop Units (23 74 16 13-0084)

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD (or ECM motor), single stage on/off scroll compressor, terminal strip for field supplied thermostat, gas heat, manually adjustable OSA damper, microchannel condenser coils. Excludes economizer, controls, disconnect, freight, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0788 for crane lifting equipment.

23 74 16 13-0086 EA 2 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-002)	5,982.47	172.54
For Factory Installed And Wired Dry Bulb Economizer, Add	712.73	
For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	773.27	
For Factory Authorized Start Up, 4 Hour, One Trip, Add	608.79	
For Factory Installed Non-Fused Disconnect, Add	696.74	
For Factory Installed Exhaust Fan, Add	3,552.24	
For Hot Water Coil In Lieu Of Gas Heat, Add	829.24	
23 74 16 13-0087 EA 3 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-003)	6,445.18	181.16
For Factory Installed And Wired Dry Bulb Economizer, Add	764.13	
For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	829.24	
For Factory Authorized Start Up, 4 Hour, One Trip, Add	652.20	
For Factory Installed Non-Fused Disconnect, Add	747.00	
For Factory Installed Exhaust Fan, Add	3,552.24	
For Hot Water Coil In Lieu Of Gas Heat, Add	829.24	
23 74 16 13-0088 EA 4 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-004)	6,564.10	189.79
For Factory Installed And Wired Dry Bulb Economizer, Add	764.13	
For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	829.24	
For Factory Authorized Start Up, 4 Hour, One Trip, Add	652.20	
For Factory Installed Non-Fused Disconnect, Add	747.00	
For Factory Installed Exhaust Fan, Add	3,552.24	
For Hot Water Coil In Lieu Of Gas Heat, Add	829.24	
23 74 16 13-0089 EA 5 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-005)	6,671.58	207.05
For Factory Installed And Wired Dry Bulb Economizer, Add	764.13	
For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	829.24	
For Factory Authorized Start Up, 4 Hour, One Trip, Add	652.20	
For Factory Installed Non-Fused Disconnect, Add	747.00	
For Factory Installed Exhaust Fan, Add	3,552.24	
For Hot Water Coil In Lieu Of Gas Heat, Add	829.24	
23 74 16 13-0090 EA 6 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-006)	7,299.92	215.67
For Factory Installed And Wired Dry Bulb Economizer, Add	764.13	
For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	829.24	
For Factory Authorized Start Up, 4 Hour, One Trip, Add	652.20	
For Factory Installed Non-Fused Disconnect, Add	747.00	
For Factory Installed Exhaust Fan, Add	3,552.24	
For Hot Water Coil In Lieu Of Gas Heat, Add	829.24	

23 74 16 13-0091

AAON RNA Rooftop Units (23 74 16 13-0084)

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, single stage on/off compressor, terminal strip for field provided thermostat, gas heat, manually adjustable OSA damper. Excludes economizer, controls, disconnect, freight, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0788 for crane lifting equipment.

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0092 EA 6 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-006)	9,100.14	224.30
<i>For Factory Installed And Wired Dry Bulb Economizer, Add</i>	743.57	
<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	1,142.20	
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	761.85	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	703.60	
<i>For Factory Installed Exhaust Fan, Add</i>	1,897.19	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	646.49	
23 74 16 13-0093 EA 7 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-007)	9,750.29	241.55
<i>For Factory Installed And Wired Dry Bulb Economizer, Add</i>	743.57	
<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	1,142.20	
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	761.85	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	703.60	
<i>For Factory Installed Exhaust Fan, Add</i>	1,897.19	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	646.49	
23 74 16 13-0094 EA 8 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-008)	11,278.79	258.81
<i>For Factory Installed And Wired Dry Bulb Economizer, Add</i>	743.57	
<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	1,142.20	
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	761.85	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	703.60	
<i>For Factory Installed Exhaust Fan, Add</i>	1,897.19	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	646.49	
23 74 16 13-0095 EA 10 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-010)	11,391.09	284.69
<i>For Factory Installed And Wired Dry Bulb Economizer, Add</i>	743.57	
<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	1,142.20	
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	761.85	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	703.60	
<i>For Factory Installed Exhaust Fan, Add</i>	1,897.19	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	646.49	
23 74 16 13-0096 AAON RNB Rooftop Units <small>(23 74 16 13-0084)</small>		
Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, freight, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0788 for crane lifting equipment.		
23 74 16 13-0097 EA 9 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-009)	13,761.16	284.69
<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	1,095.37	
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	856.65	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	679.61	
<i>For Factory Installed Exhaust Fan, Add</i>	1,809.24	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	649.91	
23 74 16 13-0098 EA 11 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-011)	14,006.71	319.20
<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	1,095.37	
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	856.65	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	679.61	
<i>For Factory Installed Exhaust Fan, Add</i>	1,809.24	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	649.91	
23 74 16 13-0099 EA 13 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-013)	15,238.49	353.71
<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	1,095.37	
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	856.65	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	679.61	
<i>For Factory Installed Exhaust Fan, Add</i>	1,809.24	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	649.91	
23 74 16 13-0100 EA 15 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-015)	15,572.50	388.22
<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	1,095.37	
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	856.65	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	679.61	
<i>For Factory Installed Exhaust Fan, Add</i>	1,809.24	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	649.91	
23 74 16 13-0101 AAON RNC Rooftop Units <small>(23 74 16 13-0084)</small>		
Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, freight, roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 16 13-0102 EA 16 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-016)	20,543.83	422.73
<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	1,617.36	
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,142.20	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	679.61	
<i>For Factory Installed Exhaust Fan, Add</i>	3,318.09	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	295.83	
23 74 16 13-0103 EA 18 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-018)	22,214.21	457.24
<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	1,617.36	
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,142.20	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	679.61	
<i>For Factory Installed Exhaust Fan, Add</i>	3,318.09	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	295.83	
23 74 16 13-0104 EA 20 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-020)	23,544.85	491.74
<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	1,617.36	
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,142.20	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	679.61	
<i>For Factory Installed Exhaust Fan, Add</i>	3,318.09	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	295.83	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0105	EA		25 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-025)..... <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	25,210.00 1,617.36 1,142.20 679.61 3,318.09 295.83	560.75
23 74 16 13-0106	EA		30 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-030)..... <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	28,460.53 1,617.36 1,142.20 679.61 3,318.09 295.83	638.40
23 74 16 13-0107			AAON RND Rooftop Units <small>(23 74 16 13-0084)</small> Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) variable capacity digital scroll compressor and (2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), factory installed non-fused disconnect, freight and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 16 13-0108	EA		26 Ton, Air Cooled Packaged Rooftop Units (AAON RND-026)..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	39,574.59 1,427.75 1,546.54 2,170.18	707.42
23 74 16 13-0109	EA		31 Ton, Air Cooled Packaged Rooftop Units (AAON RND-031)..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	44,933.62 1,427.75 1,546.54 2,170.18	776.44
23 74 16 13-0110	EA		40 Ton, Air Cooled Packaged Rooftop Units (AAON RND-040)..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	52,309.75 1,427.75 1,546.54 2,170.18	879.95
23 74 16 13-0111	EA		50 Ton, Air Cooled Packaged Rooftop Units (AAON RND-050)..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	60,866.28 1,427.75 1,546.54 2,170.18	992.11
23 74 16 13-0112	EA		60 Ton, Air Cooled Packaged Rooftop Units (AAON RND-060)..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	66,261.84 1,427.75 1,546.54 2,170.18	1,095.63
23 74 16 13-0113	EA		70 Ton, Air Cooled Packaged Rooftop Units (AAON RND-070)..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	69,606.50 1,427.75 1,546.54 2,170.18	1,199.16
23 74 16 13-0114			AAON RNE Rooftop Units <small>(23 74 16 13-0084)</small> Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1 or 2) variable speed VFD controlled scroll compressor and (1 or 2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), Microchannel condenser coils with VFD controlled condenser fans, factory installed non fused disconnect, freight and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 16 13-0115	EA		55 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-055)..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	65,341.81 1,612.79 2,316.38 3,083.94	1,337.19
23 74 16 13-0116	EA		65 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-065)..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	71,754.41 1,612.79 2,316.38 3,083.94	1,483.85
23 74 16 13-0117	EA		75 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-075)..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	76,266.90 1,612.79 2,316.38 3,083.94	1,621.88
23 74 16 13-0118	EA		95 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-090)..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	90,753.71 1,612.79 2,316.38 3,083.94	1,768.54
23 74 16 13-0119	EA		105 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-105)..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	97,728.75 1,612.79 2,316.38 3,083.94	1,941.08
23 74 16 13-0120	EA		120 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-120)..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	114,477.59 1,612.79 2,316.38 3,083.94	2,113.62
23 74 16 13-0121	EA		130 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-130)..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	117,032.32 1,612.79 2,316.38 3,083.94	2,294.79
23 74 16 13-0122	EA		140 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-140)..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	121,770.92 1,612.79 2,316.38 3,083.94	2,467.33

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 70 Central HVAC Equipment

23 74 Packaged Outdoor HVAC Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0123			Heating Only Packaged Rooftop Units <small>(23 74 16 13)</small> Note: Includes throwaway filters and filter rack. Manual outside air damper, roof curbs and electric heat. Units are shipped fully factory assembled in one piece, prewired and include start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0788 for crane lifting equipment.		
23 74 16 13-0124	EA		24 MBH Electric Heating Only Self Contained Package Rooftop Unit 3,040.89	267.44	
			<i>For Gas Heat, Add</i> 202.16		
23 74 16 13-0125	EA		32 MBH Electric Heating Only Self Contained Package Rooftop Unit 3,590.40	310.57	
			<i>For Gas Heat, Add</i> 238.91		
23 74 16 13-0126	EA		45 MBH Electric Heating Only Self Contained Package Rooftop Unit 4,951.79	319.20	
			<i>For Gas Heat, Add</i> 333.86		
23 74 16 13-0127	EA		60 MBH Electric Heating Only Self Contained Package Rooftop Unit 5,738.41	405.47	
			<i>For Gas Heat, Add</i> 385.64		
23 74 16 13-0128	EA		95 MBH Electric Heating Only Self Contained Package Rooftop Unit 6,794.29	465.86	
			<i>For Gas Heat, Add</i> 456.97		
23 74 16 13-0129	EA		112 MBH Electric Heating Only Self Contained Package Rooftop Unit 7,692.08	500.36	
			<i>For Gas Heat, Add</i> 518.26		
23 74 16 13-0130	EA		140 MBH Electric Heating Only Self Contained Package Rooftop Unit 9,226.20	543.50	
			<i>For Gas Heat, Add</i> 624.61		
23 74 16 13-0131	EA		170 MBH Electric Heating Only Self Contained Package Rooftop Unit 11,974.37	560.75	
			<i>For Gas Heat, Add</i> 815.60		
23 74 16 13-0132	EA		200 MBH Electric Heating Only Self Contained Package Rooftop Unit 16,114.44	638.40	
			<i>For Gas Heat, Add</i> 1,102.65		
23 74 16 13-0133	EA		230 MBH Electric Heating Only Self Contained Package Rooftop Unit 18,972.16	707.42	
			<i>For Gas Heat, Add</i> 1,299.75		
23 74 16 13-0134	EA		270 MBH Electric Heating Only Self Contained Package Rooftop Unit 25,026.83	862.70	
			<i>For Gas Heat, Add</i> 1,717.37		
23 74 16 13-0135	EA		330 MBH Electric Heating Only Self Contained Package Rooftop Unit 31,367.11	1,035.25	
			<i>For Gas Heat, Add</i> 2,154.46		
23 74 16 13-0136	EA		360 MBH Electric Heating Only Self Contained Package Rooftop Unit 39,122.84	1,294.06	
			<i>For Gas Heat, Add</i> 2,686.84		
23 74 16 13-0137	EA		450 MBH Electric Heating Only Self Contained Package Rooftop Unit 47,480.32	1,414.83	
			<i>For Gas Heat, Add</i> 3,267.37		
23 74 16 13-0138	EA		540 MBH Electric Heating Only Self Contained Package Rooftop Unit 61,338.17	1,690.90	
			<i>For Gas Heat, Add</i> 4,226.21		
23 74 16 13-0139			Heat Pump, Packaged Rooftop Heat Pump Units <small>(23 74 16 13)</small> Note: Includes evaporator and condenser coils, electric heat, thermostatic expansion valve, compressor, evaporator and condenser fans, refrigerant charge, filter section with filter, operation and safety controls, motors, condensate drain pan, condenser coil guards, manual outside air damper, and roof curb. Excludes crane and associated personnel. See CSI section 01 22 23 00-0788 for crane lifting equipment.		
23 74 16 13-0140			Packaged Rooftop Heat Pump Units <small>(23 74 16 13-0139)</small> Note: Includes evaporator and condenser coils, electric heat, thermostatic expansion valve, compressor, evaporator and condenser fans, refrigerant charge, filter section with filter, operation and safety controls, motors, condensate drain pan, condenser coil guards, manual outside air damper, and roof curb. Excludes crane and associated personnel.		
23 74 16 13-0141	EA		2 Ton Packaged Rooftop Heat Pump 5,562.64	353.71	
			<i>For Economizer With Outside Air Control, Add</i> 1,373.31		
			<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> 242.76		
23 74 16 13-0142	EA		2.5 Ton Packaged Rooftop Heat Pump 5,819.19	370.96	
			<i>For Economizer With Outside Air Control, Add</i> 1,439.69		
			<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> 253.43		
23 74 16 13-0143	EA		3 Ton Packaged Rooftop Heat Pump 6,137.71	405.47	
			<i>For Economizer With Outside Air Control, Add</i> 1,521.59		
			<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> 266.77		
23 74 16 13-0144	EA		3.5 Ton Packaged Rooftop Heat Pump 6,590.12	431.36	
			<i>For Economizer With Outside Air Control, Add</i> 1,407.86		
			<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> 285.94		
23 74 16 13-0145	EA		4 Ton Packaged Rooftop Heat Pump 7,033.90	465.86	
			<i>For Economizer With Outside Air Control, Add</i> 1,503.23		
			<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> 305.11		
23 74 16 13-0146	EA		5 Ton Packaged Rooftop Heat Pump 7,540.12	500.36	
			<i>For Economizer With Outside Air Control, Add</i> 1,614.91		
			<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> 261.23		
23 74 16 13-0147	EA		6 Ton Packaged Rooftop Heat Pump 8,546.68	534.87	
			<i>For Economizer With Outside Air Control, Add</i> 1,805.96		
			<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> 1,357.34		
			<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> 224.31		
23 74 16 13-0148	EA		7.5 Ton Packaged Rooftop Heat Pump 11,462.99	560.75	
			<i>For Economizer With Outside Air Control, Add</i> 1,805.01		
			<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> 1,701.68		
			<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> 309.99		
23 74 16 13-0149	EA		8.5 Ton Packaged Rooftop Heat Pump 12,886.88	603.89	
			<i>For Economizer With Outside Air Control, Add</i> 1,885.23		
			<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> 350.63		
23 74 16 13-0150	EA		10 Ton Packaged Rooftop Heat Pump 13,968.90	638.40	
			<i>For Economizer With Outside Air Control, Add</i> 1,904.16		
			<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> 254.01		
23 74 16 13-0151	EA		12.5 Ton Packaged Rooftop Heat Pump 16,420.65	707.42	
			<i>For Economizer With Outside Air Control, Add</i> 2,208.00		
			<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> 300.12		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0152 EA 15 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i>	18,863.76 2,507.52	776.44
23 74 16 13-0153 EA 17.5 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i>	21,141.51 2,735.30	810.94
23 74 16 13-0154 EA 20 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i>	23,557.30 3,032.09	845.45

23 74 23 Packaged, Outdoor, Heating-Only Makeup-Air Units (23 74)

23 74 23 13 Packaged, Direct-Fired, Outdoor, Heating-Only Makeup-Air Units (23 74 23)

23 74 23 13-0001 Make-Up Air Units (23 74 23 13)

Note: Including throwaway filters. Units are shipped fully factory assembled in one piece, prewired, prepiped, charged with refrigerant, and include start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0788 for crane lifting equipment.

23 74 23 13-0002 Gas-Fired Electric Spark Make-Up Air Units (23 74 23 13-0001)

Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-0789 for crane lifting equipment.

23 74 23 13-0003 EA 100,000 BTU 1/2 HP, 1,200 CFM, Make-up Air Unit, Gas Fired, Electric Spark..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	4,368.90 1,116.56 526.70	388.22
23 74 23 13-0004 EA 300,000 BTU 1-1/2 HP, 3,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	5,615.00 1,462.36 679.66	439.98
23 74 23 13-0005 EA 500,000 BTU 2 HP, 4,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	7,757.30 2,068.38 943.78	517.62
23 74 23 13-0006 EA 670,000 BTU 3 HP, 6,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	7,840.44 2,073.91 952.23	552.13
23 74 23 13-0007 EA 800,000 BTU 5 HP, 7,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	10,637.46 2,880.67 1,298.63	621.15
23 74 23 13-0008 EA 1,200,000 BTU 10 HP, 10,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	16,037.57 4,423.06 1,965.87	776.44

23 74 23 13-0009 Electric Make-Up Air Units (23 74 23 13-0001)

Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-0789 for crane lifting equipment.

23 74 23 13-0010 EA 33 KW, 1/2 HP, 1,200 CFM Make-up Air Unit, Electric..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	8,792.45 2,443.63 1,079.65	388.22
23 74 23 13-0011 EA 100 KW, 1-1/2 HP, 3,500 CFM Make-up Air Unit, Electric..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	12,518.68 3,533.46 1,542.62	439.98
23 74 23 13-0012 EA 150 KW, 2 HP, 4,000 CFM Make-up Air Unit, Electric..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	15,494.28 4,389.47 1,910.90	517.62
23 74 23 13-0013 EA 250 KW, 5 HP, 7,500 CFM Make-up Air Unit, Electric..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	20,021.26 5,695.81 2,471.60	621.15
23 74 23 13-0014 EA 400 KW, 10 HP, 10,000 CFM Make-up Air Unit, Electric..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	32,262.34 9,290.49 3,993.97	776.44

23 76 Evaporative Air-Cooling Equipment (23 70)

23 76 13 Direct Evaporative Air Coolers (23 76)

23 76 13 00-0001 Residential Side Or Down Draft Evaporative Cooling Unit (23 76 13)

Note: Includes motor, belt and pads.

23 76 13 00-0002 EA 3,000 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	1,141.66	285.08
23 76 13 00-0003 EA 4,300 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	1,347.81	332.59
23 76 13 00-0004 EA 4,400 CFM, 1/2 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	1,735.91	380.11
23 76 13 00-0005 EA 5,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	1,892.00	427.61
23 76 13 00-0006 EA 6,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	2,170.19	475.13
23 76 13 00-0007 EA 7,000 CFM, 1 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	2,338.49	522.64

23 76 13 00-0008 Industrial Side Draft/Side Discharge Evaporative Coolers (23 76 13)

Note: Excludes motor starter, piping, power wiring and equipment rigging.

23 76 13 00-0009 EA 7,500 CFM, 3/4 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	2,088.91	258.07
23 76 13 00-0010 EA 8,500 CFM, 1 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	2,155.75	266.41
23 76 13 00-0011 EA 9,500 CFM, 1 1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	2,570.55	370.00
23 76 13 00-0012 EA 11,375 CFM, 2 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	5,478.46	436.75
23 76 13 00-0013 EA 13,020 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	5,939.93	639.41
23 76 13 00-0014 EA 16,267 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	6,801.84	682.03

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 76 Evaporative Air-Cooling Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 76 13 00-0015 EA 15,438 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit	6,256.75	767.29
23 76 13 00-0016 EA 19,286 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit	7,424.39	959.10
23 76 13 00-0017 EA 17,672 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	7,471.43	1,253.74
23 76 13 00-0018 EA 22,077 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	8,309.23	1,278.81
23 76 13 00-0019 EA 24,301 CFM, 10 HP Industrial Side Or Down Draft Evaporative Cooling Unit	8,755.82	1,420.93
23 76 13 00-0020 EA 30,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit	11,767.19	2,220.18
23 76 13 00-0021 EA 35,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit	13,181.41	2,316.69
23 76 13 00-0022 EA 40,000 CFM, 30 HP Industrial Side Or Down Draft Evaporative Cooling Unit	14,613.16	2,421.98

23 80 Decentralized Unitary HVAC Equipment (23)

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 23 05 29 00-0000 for hangers and supports, 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 00-0001 for disconnect.

23 81 Decentralized Unitary HVAC Equipment (23 80)**23 81 13 Packaged Terminal Air-Conditioners (23 81)**

Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.

23 81 13 11 Packaged Terminal Air-Conditioners, Through-Wall Units (23 81 13)**23 81 13 11-0001 Packaged Terminal Air-Conditioners (23 81 13 11)****23 81 13 11-0002 Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioners (23 81 13 11-0001)**

23 81 13 11-0003 EA 7,200 BTU, 13 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	1,242.33	178.17
For >35 To 70, Deduct	-26.58	
For >70 To 100, Deduct	-44.30	
For >100, Deduct	-62.02	
23 81 13 11-0004 EA 9,400 BTU, 12.1 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	1,295.16	197.26
For >35 To 70, Deduct	-27.03	
For >70 To 100, Deduct	-45.05	
For >100, Deduct	-63.08	
23 81 13 11-0005 EA 11,800 BTU, 11.6 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	1,371.96	210.22
For >35 To 70, Deduct	-28.53	
For >70 To 100, Deduct	-47.55	
For >100, Deduct	-66.57	
23 81 13 11-0006 EA 14,500 BTU, 10.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	1,481.71	225.97
For >35 To 70, Deduct	-30.90	
For >70 To 100, Deduct	-51.50	
For >100, Deduct	-72.10	

23 81 13 11-0007 Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioners (23 81 13 11-0001)

23 81 13 11-0008 EA 7,200 BTU, 13 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	1,296.88	175.03
For >35 To 70, Deduct	-28.42	
For >70 To 100, Deduct	-47.37	
For >100, Deduct	-66.32	
23 81 13 11-0009 EA 9,400 BTU, 12.1 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	1,375.28	197.26
For >35 To 70, Deduct	-29.44	
For >70 To 100, Deduct	-49.06	
For >100, Deduct	-68.68	
23 81 13 11-0010 EA 11,800 BTU, 11.6 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	1,430.02	210.22
For >35 To 70, Deduct	-30.27	
For >70 To 100, Deduct	-50.45	
For >100, Deduct	-70.63	
23 81 13 11-0011 EA 14,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	1,558.35	225.97
For >35 To 70, Deduct	-33.20	
For >70 To 100, Deduct	-55.33	
For >100, Deduct	-77.46	

23 81 13 11-0012 Packaged Terminal Air-Conditioners, Through-Wall Unit Sleeve (23 81 13 11)

Note: Includes wall case, exterior grille, weather panel and steel closure panels. Includes bolts, nuts, washers, caulking and lintel supports. Not for use with new A/C units where wall sleeve is provided. Excludes cutting opening for unit or patching masonry or concrete.

23 81 13 11-0013 EA Up To 10,000 BTU Unit, Thru Wall A/C Sleeve	76.39	
23 81 13 11-0014 EA >10,000 To 20,000 BTU Unit, Thru Wall A/C Sleeve	85.95	
23 81 13 11-0015 EA >20,000 To 30,000 BTU Unit, Thru Wall A/C Sleeve	95.50	

23 81 13 11-0016 Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units (23 81 13 11)

Note: Includes storage and cleaning.

23 81 13 11-0017 EA Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units	190.05	
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23 81 13 13 Packaged Terminal Air-Conditioners, Outdoor, Wall-Mounted Units (23 81 13)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 81 13 13-0001	Single Package Vertical Wall Cooling Unit <small>(23 81 13 13)</small>		
	<small>Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-0789 for crane lifting equipment.</small>		
23 81 13 13-0002	EA 1/2 Ton Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	2,920.46	216.73
23 81 13 13-0003	EA 1 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	5,691.86	227.05
23 81 13 13-0004	EA 1-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	7,430.27	237.37
23 81 13 13-0005	EA 2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	8,541.63	258.01
23 81 13 13-0006	EA 2-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	10,708.03	299.29
23 81 13 13-0007	EA 3 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	11,500.20	371.53
23 81 13 13-0008	EA 3-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	12,733.57	412.82
23 81 13 13-0009	EA 4 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	14,023.24	464.42
23 81 13 13-0010	EA 5 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	15,785.97	557.31
23 81 13 13-0011	EA 7-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	20,401.27	691.47
23 81 13 13-0012	EA 10 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	24,357.53	928.84
23 81 13 13-0013	EA 15 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	34,115.71	1,135.26
23 81 13 13-0014	EA 20 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	39,311.98	1,351.98
23 81 13 13-0015	EA 25 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	46,963.83	1,517.11

23 81 16	Room Air-Conditioners <small>(23 81)</small>		
	<small>Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.</small>		

23 81 16 00-0001	Window Unit, Room Air-Conditioners <small>(23 81 16)</small>		
23 81 16 00-0002	Cooling Only, Window Unit, Room Air-Conditioners <small>(23 81 16 00-0001)</small>		
23 81 16 00-0003	Cooling Only, Window Unit, Room Air-Conditioners (Frigidaire) <small>(23 81 16 00-0002)</small>		
23 81 16 00-0004	EA 5,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0533Q1)	402.18	99.77
	<i>For >10 To 50, Deduct</i>	-10.13	
	<i>For >50 To 75, Deduct</i>	-14.18	
	<i>For >75 To 100, Deduct</i>	-20.26	
	<i>For >100, Deduct</i>	-24.31	
23 81 16 00-0005	EA 6,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0633Q1)	422.55	99.77
	<i>For >10 To 50, Deduct</i>	-11.15	
	<i>For >50 To 75, Deduct</i>	-15.61	
	<i>For >75 To 100, Deduct</i>	-22.30	
	<i>For >100, Deduct</i>	-26.76	
23 81 16 00-0006	EA 8,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0833U1)	473.46	99.77
	<i>For >10 To 50, Deduct</i>	-13.70	
	<i>For >50 To 75, Deduct</i>	-19.17	
	<i>For >75 To 100, Deduct</i>	-27.39	
	<i>For >100, Deduct</i>	-32.87	
23 81 16 00-0007	EA 10,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1033U1)	544.73	99.77
	<i>For >10 To 50, Deduct</i>	-17.26	
	<i>For >50 To 75, Deduct</i>	-24.16	
	<i>For >75 To 100, Deduct</i>	-34.52	
	<i>For >100, Deduct</i>	-41.42	
23 81 16 00-0008	EA 12,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1233Q1)	636.37	99.77
	<i>For >10 To 50, Deduct</i>	-21.84	
	<i>For >50 To 75, Deduct</i>	-30.58	
	<i>For >75 To 100, Deduct</i>	-43.68	
	<i>For >100, Deduct</i>	-52.42	
23 81 16 00-0009	EA 15,100 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1533Q1)	738.19	99.77
	<i>For >10 To 50, Deduct</i>	-26.93	
	<i>For >50 To 75, Deduct</i>	-37.70	
	<i>For >75 To 100, Deduct</i>	-53.86	
	<i>For >100, Deduct</i>	-64.64	
23 81 16 00-0010	EA 8,000 BTU, 10.9 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS0833Q1)	697.46	99.77
	<i>For >10 To 50, Deduct</i>	-24.90	
	<i>For >50 To 75, Deduct</i>	-34.85	
	<i>For >75 To 100, Deduct</i>	-49.79	
	<i>For >100, Deduct</i>	-59.75	
23 81 16 00-0011	EA 10,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1022Q1)	748.37	99.77
	<i>For >10 To 50, Deduct</i>	-27.44	
	<i>For >50 To 75, Deduct</i>	-38.42	
	<i>For >75 To 100, Deduct</i>	-54.88	
	<i>For >100, Deduct</i>	-65.86	
23 81 16 00-0012	EA 12,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1222Q1)	789.10	99.77
	<i>For >10 To 50, Deduct</i>	-29.48	
	<i>For >50 To 75, Deduct</i>	-41.27	
	<i>For >75 To 100, Deduct</i>	-58.95	
	<i>For >100, Deduct</i>	-70.74	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 81 Decentralized Unitary HVAC Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0013	EA		18,500 BTU, 11.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1833Q2)	829.83	99.77
			For >10 To 50, Deduct	-31.51	
			For >50 To 75, Deduct	-44.12	
			For >75 To 100, Deduct	-63.03	
			For >100, Deduct	-75.63	
23 81 16 00-0014	EA		22,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2233S2).....	911.28	99.77
			For >10 To 50, Deduct	-35.59	
			For >50 To 75, Deduct	-49.82	
			For >75 To 100, Deduct	-71.17	
			For >100, Deduct	-85.41	
23 81 16 00-0015	EA		25,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2533S2).....	921.46	99.77
			For >10 To 50, Deduct	-36.10	
			For >50 To 75, Deduct	-50.53	
			For >75 To 100, Deduct	-72.19	
			For >100, Deduct	-86.63	
23 81 16 00-0016	EA		28,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRA2822R2)	1,124.06	99.77
			For >10 To 50, Deduct	-46.23	
			For >50 To 75, Deduct	-64.72	
			For >75 To 100, Deduct	-92.45	
			For >100, Deduct	-110.94	
23 81 16 00-0017			Cooling Only, Window Unit, Room Air-Conditioners (Friedrich Kuhl) (23 81 16 00-0002)		
23 81 16 00-0018	EA		8,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS08N10C)	1,188.56	99.77
23 81 16 00-0019	EA		10,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS10N10C)	1,298.56	99.77
23 81 16 00-0020	EA		11,900 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N10C)	1,348.56	99.77
23 81 16 00-0021	EA		12,000 BTU, 12.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N30C)	1,368.56	99.77
23 81 16 00-0022	EA		20,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SM18N30C).....	1,548.56	99.77
23 81 16 00-0023	EA		24,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL24N30C).....	1,998.56	99.77
23 81 16 00-0024	EA		28,000 BTU, 10.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL28N30C).....	2,148.56	99.77
23 81 16 00-0025	EA		36,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL36N30B).....	2,348.56	99.77
23 81 16 00-0026			Heating And Cooling, Window Unit, Room Air-Conditioners (23 81 16 00-0001)		
23 81 16 00-0027			Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Frigidaire) (23 81 16 00-0026)		
23 81 16 00-0028	EA		8,000 BTU, 9.8 EER, 115 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH0822R1)	789.10	99.77
			For >10 To 50, Deduct	-29.48	
			For >50 To 75, Deduct	-41.27	
			For >75 To 100, Deduct	-58.95	
			For >100, Deduct	-70.74	
23 81 16 00-0029	EA		12,000 BTU, 10.9 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1222R2)	901.10	99.77
			For >10 To 50, Deduct	-35.08	
			For >50 To 75, Deduct	-49.11	
			For >75 To 100, Deduct	-70.15	
			For >100, Deduct	-84.18	
23 81 16 00-0030	EA		18,500 BTU, 10.7 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1822R2)	962.19	99.77
			For >10 To 50, Deduct	-38.13	
			For >50 To 75, Deduct	-53.38	
			For >75 To 100, Deduct	-76.26	
			For >100, Deduct	-91.52	
23 81 16 00-0031	EA		25,000 BTU, 9.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH2522R2)	1,186.20	99.77
			For >10 To 50, Deduct	-49.33	
			For >50 To 75, Deduct	-69.06	
			For >75 To 100, Deduct	-98.66	
			For >100, Deduct	-118.40	
23 81 16 00-0032			Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Friedrich) (23 81 16 00-0026)		
23 81 16 00-0033	EA		12,000 BTU, 11.3 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich ES12N33B).....	1,418.56	99.77
23 81 16 00-0034			Accessories (23 81 16 00-0001)		
23 81 16 00-0035	SET		Aluminum Air Conditioner Unit Frame And Bracket Assembly.....	365.13	50.94
23 81 16 00-0036			Removal And Reinstallation Of Room Air-Conditioners (23 81 16)		
			Note: Includes storage and cleaning.		
23 81 16 00-0037	EA		Removal And Reinstallation Of Room Air-Conditioning Unit In Window Lower Sash	118.79	
23 81 16 00-0038	EA		Removal And Reinstallation Of Room Air-Conditioning Unit In Window Upper Sash	253.69	
23 81 16 00-0039			Through-The-Wall, Room Air-Conditioners (23 81 16)		
			Note: Base unit excludes wall sleeve.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0040 Cooling Only, Through-The-Wall, Room Air-Conditioners <small>(23 81 16 00-0039)</small>		
23 81 16 00-0041 Cooling Only, Through-The-Wall, Room Air-Conditioners (Friedrich) <small>(23 81 16 00-0040)</small>		
23 81 16 00-0042 EA 8,000 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS08D10A).....	891.53	71.27
<i>For >10 To 50, Deduct</i>	-37.45	
<i>For >50 To 75, Deduct</i>	-52.43	
<i>For >75 To 100, Deduct</i>	-74.90	
<i>For >100, Deduct</i>	-89.88	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	219.25	
23 81 16 00-0043 EA 9,800 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D10B).....	961.53	71.27
<i>For >10 To 50, Deduct</i>	-40.95	
<i>For >50 To 75, Deduct</i>	-57.33	
<i>For >75 To 100, Deduct</i>	-81.90	
<i>For >100, Deduct</i>	-98.28	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	219.25	
23 81 16 00-0044 EA 12,000 BTU, 9.8 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D10A).....	1,091.53	71.27
<i>For >10 To 50, Deduct</i>	-47.45	
<i>For >50 To 75, Deduct</i>	-66.43	
<i>For >75 To 100, Deduct</i>	-94.90	
<i>For >100, Deduct</i>	-113.88	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	219.25	
23 81 16 00-0045 EA 10,000 BTU, 10.7 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D30A).....	961.53	71.27
<i>For >10 To 50, Deduct</i>	-40.95	
<i>For >50 To 75, Deduct</i>	-57.33	
<i>For >75 To 100, Deduct</i>	-81.90	
<i>For >100, Deduct</i>	-98.28	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	219.25	
23 81 16 00-0046 EA 12,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D30A).....	1,091.53	71.27
<i>For >10 To 50, Deduct</i>	-47.45	
<i>For >50 To 75, Deduct</i>	-66.43	
<i>For >75 To 100, Deduct</i>	-94.90	
<i>For >100, Deduct</i>	-113.88	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	219.25	
23 81 16 00-0047 Heating And Cooling, Through-The-Wall, Room Air-Conditioners <small>(23 81 16 00-0039)</small>		
23 81 16 00-0048 Electric Heat, Heating And Cooling, Through-The-Wall, Room Air-Conditioners (Friedrich) <small>(23 81 16 00-0047)</small>		
23 81 16 00-0049 EA 10,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE10D33).....	1,121.53	71.27
<i>For >10 To 50, Deduct</i>	-48.95	
<i>For >50 To 75, Deduct</i>	-68.53	
<i>For >75 To 100, Deduct</i>	-97.90	
<i>For >100, Deduct</i>	-117.48	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	219.25	
23 81 16 00-0050 EA 12,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE12D33).....	1,201.53	71.27
<i>For >10 To 50, Deduct</i>	-52.95	
<i>For >50 To 75, Deduct</i>	-74.13	
<i>For >75 To 100, Deduct</i>	-105.90	
<i>For >100, Deduct</i>	-127.08	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	219.25	
23 81 23 Computer-Room Air-Conditioners <small>(23 81)</small>		
Note: Includes equipment rigging. Indoor units include filters.		
23 81 23 12 Large-Capacity, Computer-Room Air-Conditioners, Floor Mounted Units <small>(23 81)</small>		
23 81 23 12-0001 Floor Mounted Air Cooled Direct Expansion Type <small>(23 81 23 12)</small>		
Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquid sensors, floor stand, and outdoor air cooled condenser complete with fan speed control. Excludes precharged copper pipe.		
23 81 23 12-0002 EA 3 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	29,644.78	2,028.25
Note: Includes interior unit and remote condenser. Excludes piping.		
<i>For Liebert Unit, Add</i>	3,324.88	
23 81 23 12-0003 EA 5 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	32,719.08	2,218.39
Note: Includes interior unit and remote condenser. Excludes piping.		
<i>For Liebert Unit, Add</i>	3,671.64	
23 81 23 12-0004 EA 6 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	45,284.70	2,535.31
Note: Includes interior unit and remote condenser. Excludes piping.		
<i>For Liebert Unit, Add</i>	5,189.23	
23 81 23 12-0005 EA 8 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	49,567.35	2,693.76
Note: Includes interior unit and remote condenser. Excludes piping.		
<i>For Liebert Unit, Add</i>	5,695.10	
23 81 23 12-0006 EA 10 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	53,850.01	2,852.21
Note: Includes interior unit and remote condenser. Excludes piping.		
<i>For Liebert Unit, Add</i>	6,200.97	
23 81 23 12-0007 EA 16 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	60,336.56	3,422.66
Note: Includes interior unit and remote condenser. Excludes piping.		
<i>For Liebert Unit, Add</i>	6,896.51	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 81 Decentralized Unitary HVAC Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 12-0008 EA 20 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping. <i>For Liebert Unit, Add</i>	68,171.88 7,814.44	3,802.96
23 81 23 12-0009 EA 22 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping. <i>For Liebert Unit, Add</i>	71,324.64 8,181.50	3,928.39
23 81 23 12-0010 EA 24 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping. <i>For Liebert Unit, Add</i>	77,653.00 8,945.20	4,056.49
23 81 23 12-0011 EA 30 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping. <i>For Liebert Unit, Add</i>	83,990.07 9,650.31	4,563.54
23 81 23 12-0012 Floor Mounted Chilled Water Type ^(23 81 23 12) Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 12-0020 for chilled water source.		
23 81 23 12-0013 EA 3 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source <i>For Liebert Unit, Add</i>	20,033.14 2,272.52	1,389.76
23 81 23 12-0014 EA 5 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source <i>For Liebert Unit, Add</i>	21,527.31 2,434.34	1,539.43
23 81 23 12-0015 EA 12 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source <i>For Liebert Unit, Add</i>	26,618.75 2,936.55	2,344.78
23 81 23 12-0016 EA 16 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source <i>For Liebert Unit, Add</i>	27,831.24 3,083.00	2,375.66
23 81 23 12-0017 EA 20 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source <i>For Liebert Unit, Add</i>	28,900.84 3,199.24	2,470.69
23 81 23 12-0018 EA 22 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source <i>For Liebert Unit, Add</i>	29,576.87 3,245.73	2,708.25
23 81 23 12-0019 EA 31 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source <i>For Liebert Unit, Add</i>	31,373.48 3,431.71	2,945.82
23 81 23 12-0020 Floor Mounted Water Source ^(23 81 23 12) Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes water source.		
23 81 23 12-0021 EA 3 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit <i>For Liebert Unit, Add</i>	15,508.00 1,701.69	1,267.65
23 81 23 12-0022 EA 5 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit <i>For Liebert Unit, Add</i>	17,069.27 1,884.95	1,331.03
23 81 23 12-0023 EA 6 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit <i>For Liebert Unit, Add</i>	22,137.69 2,506.72	1,394.42
23 81 23 12-0024 EA 8 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit <i>For Liebert Unit, Add</i>	23,856.51 2,696.53	1,521.18
23 81 23 12-0025 EA 10 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit <i>For Liebert Unit, Add</i>	26,350.69 2,984.51	1,647.95
23 81 23 12-0026 EA 12 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit <i>For Liebert Unit, Add</i>	27,383.08 3,089.23	1,774.71
23 81 23 12-0027 EA 15 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit <i>For Liebert Unit, Add</i>	28,589.16 3,220.13	1,901.48
23 81 23 12-0028 EA 20 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit <i>For Liebert Unit, Add</i>	29,396.47 3,298.66	2,028.25
23 81 23 12-0029 EA 25 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit <i>For Liebert Unit, Add</i>	33,619.08 3,752.45	2,408.53
23 81 23 12-0030 Floor Mounted Glycol System Type ^(23 81 23 12) Note: Includes drycoolers, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 12-0020 for water source.		
23 81 23 12-0031 EA 3 Ton Computer Room Air Conditioner, Glycol System Type <i>For Liebert Unit, Add</i>	28,905.56 3,381.57	1,389.76
23 81 23 12-0032 EA 5 Ton Computer Room Air Conditioner, Glycol System Type <i>For Liebert Unit, Add</i>	31,118.05 3,633.19	1,539.43
23 81 23 12-0033 EA 6 Ton Computer Room Air Conditioner, Glycol System Type <i>For Liebert Unit, Add</i>	47,957.34 5,707.21	1,724.73
23 81 23 12-0034 EA 9 Ton Computer Room Air Conditioner, Glycol System Type <i>For Liebert Unit, Add</i>	49,495.93 5,868.66	1,910.04
23 81 23 12-0035 EA 10 Ton Computer Room Air Conditioner, Glycol System Type <i>For Liebert Unit, Add</i>	52,977.69 6,272.99	2,095.33
23 81 23 12-0036 EA 16 Ton Computer Room Air Conditioner, Glycol System Type <i>For Liebert Unit, Add</i>	63,397.09 7,526.71	2,375.66
23 81 23 12-0037 EA 20 Ton Computer Room Air Conditioner, Glycol System Type <i>For Liebert Unit, Add</i>	69,501.29 8,274.30	2,470.69
23 81 23 12-0038 EA 22 Ton Computer Room Air Conditioner, Glycol System Type <i>For Liebert Unit, Add</i>	72,085.95 8,559.37	2,708.25
23 81 23 12-0039 EA 30 Ton Computer Room Air Conditioner, Glycol System Type <i>For Liebert Unit, Add</i>	87,776.89 10,482.13	2,945.82
23 81 23 12-0040 Removal And Reinstallation Of Computer Room Unit ^(23 81 23 12) Note: Includes storage and cleaning. Excludes main mechanical piping. Reconnection of existing valves are included.		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
23 81 23 12-0041	EA			Removal And Reinstallation Up To 6 Ton, Floor Mounted Chilled Water Computer Room Unit.....	1,900.53		
23 81 23 12-0042	EA			Removal And Reinstallation Up To 6 Ton Direct Expansion Computer Room Unit	1,583.77		
23 81 23 13	Computer-Room Air-Conditioners, Ceiling Mounted Units <small>(23 81 23)</small>						
23 81 23 13-0001	Ceiling Mounted Packaged Computer Room Air Conditioner <small>(23 81 23 13)</small>						
				Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquid sensors, floor stand, and outdoor air cooled condenser complete with fan speed control.			
23 81 23 13-0002	EA			1 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	11,741.01	602.47	
				<i>For Liebert Unit, Add</i>	1,354.72		
23 81 23 13-0003	EA			1.5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	12,987.35	723.53	
				<i>For Liebert Unit, Add</i>	1,487.82		
23 81 23 13-0004	EA			2 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	14,841.03	905.50	
				<i>For Liebert Unit, Add</i>	1,685.44		
23 81 23 13-0005	EA			3 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	18,229.18	1,056.41	
				<i>For Liebert Unit, Add</i>	2,060.68		
23 81 23 13-0006	EA			5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	24,690.68	1,148.20	
				<i>For Liebert Unit, Add</i>	2,871.15		
23 81 26	Split-System Air-Conditioners <small>(23 81)</small>						
23 81 26 13	Small-Capacity Split-System Air-Conditioners <small>(23 81 26)</small>						
23 81 26 13-0001	Split System A/C Unit <small>(23 81 26 13)</small>						
				See CSI section 22 07 19 00-0492 for insulation, 23 23 16 00-0001 for piping, 23 54 00 00-0000 for furnaces.			
23 81 26 13-0002	Ductless Split System Air Conditioners <small>(23 81 26 13-0001)</small>						
				Note: Excludes refrigerant piping, electrical, and pad. Panasonic units or equal. See CSI section 23 81 49 00-0024 for ductless heat pumps.			
23 81 26 13-0003	Wall Mounted Ductless Split System Air Conditioners <small>(23 81 26 13-0002)</small>						
23 81 26 13-0004	EA			9,000 BTU, 16 SEER, Wall Mounted Ductless Split System Air Conditioners	2,074.21	313.59	
				Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.			
23 81 26 13-0005	EA			11,900 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioner	2,243.32	342.09	
				Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.			
23 81 26 13-0006	EA			17,500 BTU, 20 SEER, Wall Mounted Ductless Split System Air Conditioners	2,815.05	380.11	
				Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.			
23 81 26 13-0007	EA			24,200 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioners	3,126.43	418.12	
				Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.			
23 81 26 13-0008	EA			25,200 BTU, 14.9 SEER, Wall Mounted Ductless Split System Air Conditioners	4,866.70	456.13	
				Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.			
23 81 26 13-0009	EA			29,800 BTU, 15 SEER, Wall Mounted Ductless Split System Air Conditioners	5,681.18	475.13	
				Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.			
23 81 26 13-0010	EA			31,400 BTU, 15.9 SEER, Wall Mounted Ductless Split System Air Conditioners	6,237.23	506.49	
				Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.			
23 81 26 13-0011	Dual and Tri Zone Wall Mounted Ductless Split System Air Conditioners <small>(23 81 26 13-0002)</small>						
				Note: Use this section only when matching indoor and outdoor capacity units are not used.			
23 81 26 13-0012	EA			7,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners	889.67	152.04	
				Note: Includes indoor unit and wireless thermostat.			
23 81 26 13-0013	EA			9,000 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners	939.46	161.55	
				Note: Includes indoor unit and wireless thermostat.			
23 81 26 13-0014	EA			11,900 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners	990.15	171.05	
				Note: Includes indoor unit and wireless thermostat.			
23 81 26 13-0015	EA			17,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners	1,122.54	180.55	
				Note: Includes indoor unit and wireless thermostat.			
23 81 26 13-0016	EA			24,200 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners	1,201.05	190.05	
				Note: Includes indoor unit and wireless thermostat.			
23 81 26 13-0017	EA			19,700 BTU, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners	2,509.81	228.07	
				Note: Includes outdoor unit and refrigerant charge.			
23 81 26 13-0018	EA			25,400 BTU, 16.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners	2,777.27	247.07	
				Note: Includes outdoor unit and refrigerant charge.			
23 81 26 13-0019	EA			30,600 BTU, 17.6 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners	4,427.24	266.08	
				Note: Includes outdoor unit and refrigerant charge.			
23 81 26 13-0020	Suspended Ceiling Mounted Ductless Split System Air Conditioners <small>(23 81 26 13-0002)</small>						
				Note: Excludes hangers.			
23 81 26 13-0021	EA			24,400 BTU, 14.5 SEER, Ceiling Suspended Ductless Split System Air Conditioners	5,219.81	456.13	
				Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.			
23 81 26 13-0022	EA			31,200 BTU, 15.1 SEER, Ceiling Suspended Ductless Split System Air Conditioners	6,360.93	544.50	
				Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.			
23 81 26 13-0023	EA			39,000 BTU, 15.6 SEER, Ceiling Suspended Ductless Split System Air Conditioners	7,789.62	570.16	
				Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.			
23 81 26 13-0024	Recessed Ceiling Mounted Ductless Split System Air Conditioners <small>(23 81 26 13-0002)</small>						
				Note: Excludes hangers.			
23 81 26 13-0025	EA			11,900 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners	3,178.63	380.11	
				Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.			

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 13-0026	EA		17,500 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,710.86	418.12
23 81 26 13-0027	EA		24,800 BTU, 14.1 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,180.18	494.13
23 81 26 13-0028	EA		32,600 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,001.84	544.50
23 81 26 13-0029	EA		39,500 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,610.07	570.16
23 81 26 13-0030 Ductless Split System Accessories (23 81 26 13-0002)					
23 81 26 13-0031	LF		3" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	9.10	1.37
23 81 26 13-0032	LF		4" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	11.50	1.50
23 81 26 13-0033	LF		6" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	14.15	1.65
23 81 26 13-0034	EA		3" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	15.49	2.55
23 81 26 13-0035	EA		4" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	25.32	2.81
23 81 26 13-0036	EA		6" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	28.76	3.09
23 81 26 13-0037	EA		3" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	37.45	5.11
23 81 26 13-0038	EA		4" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	59.69	5.62
23 81 26 13-0039	EA		6" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	66.58	6.18
23 81 26 13-0040	EA		3" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	48.84	5.45
23 81 26 13-0041	EA		4" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	56.95	5.99
23 81 26 13-0042	EA		6" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	85.93	6.60
23 81 26 13-0043	EA		3" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	37.45	5.11
23 81 26 13-0044	EA		4" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	59.69	5.62
23 81 26 13-0045	EA		6" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	66.58	6.18
23 81 26 13-0046	EA		3" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	50.37	8.52
23 81 26 13-0047	EA		4" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	71.05	9.37
23 81 26 13-0048	EA		6" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	84.24	10.30
23 81 26 13-0049	EA		2-1/2" Wall Sleeve, Rigid Polyvinyl Chloride (PVC) Line Set Covers	25.84	1.70
23 81 26 13-0050	EA		3" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	30.99	5.11
23 81 26 13-0051	EA		4" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	48.05	5.62
23 81 26 13-0052	EA		3" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	28.40	5.11
23 81 26 13-0053	EA		4" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	37.71	5.62
23 81 26 13-0054	EA		6" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	40.71	6.18
23 81 26 13-0055	EA		4" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	122.80	6.82
23 81 26 13-0056	EA		6" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	139.09	7.49
23 81 26 13-0057	EA		14" Condensing Unit Mounting Blocks With End Caps	95.51	25.55
23 81 26 13-0058	EA		17" Condensing Unit Mounting Blocks With End Caps	104.55	27.25
23 81 26 13-0059	EA		36" Condensing Unit Mounting Blocks With End Caps	135.58	28.95
23 81 26 13-0060	EA		End Cap, Set of 4	12.92	
23 81 26 13-0061	EA		18" Condensing Unit Type 2 Wall Bracket, 165 LB Capacity	200.16	51.09
23 81 26 13-0062	EA		21" Condensing Unit Type 2 Wall Bracket, 220 LB Capacity	212.70	54.50
23 81 26 13-0063	LF		5/8" ID Condensate Drain Line	1.85	0.14
23 81 26 13-0064	LF		3/4" ID Condensate Drain Line	1.91	0.14
23 81 26 13-0065 Cased A/C Evaporator Coils (23 81 26 13-0001)					
23 81 26 13-0066 Vertical Cased A/C Evaporator Coils (23 81 26 13-0065)					
23 81 26 13-0067	EA		1-1/2 Ton Vertical Cased A/C Evaporator Coil	445.65	92.61
23 81 26 13-0068	EA		2 Ton Vertical Cased A/C Evaporator Coil	466.84	99.55
23 81 26 13-0069	EA		2-1/2 Ton Vertical Cased A/C Evaporator Coil	547.40	106.50
23 81 26 13-0070	EA		3 Ton Vertical Cased A/C Evaporator Coil	618.60	113.44
23 81 26 13-0071	EA		3-1/2 Ton Vertical Cased A/C Evaporator Coil	707.03	118.07
23 81 26 13-0072	EA		4 Ton Vertical Cased A/C Evaporator Coil	782.97	122.71
23 81 26 13-0073	EA		4-1/2 Ton Vertical Cased A/C Evaporator Coil	841.08	131.97
23 81 26 13-0074	EA		5 Ton Vertical Cased A/C Evaporator Coil	850.81	138.91
23 81 26 13-0075 "A" Style Horizontal Cased A/C Evaporator Coils (23 81 26 13-0065)					
23 81 26 13-0076	EA		2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	533.63	94.93
23 81 26 13-0077	EA		2-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	607.78	100.25
23 81 26 13-0078	EA		3 Ton "A" Style Horizontal Cased A/C Evaporator Coil	690.25	106.50
23 81 26 13-0079	EA		3-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	715.52	110.34
23 81 26 13-0080	EA		4 Ton "A" Style Horizontal Cased A/C Evaporator Coil	749.28	115.76
23 81 26 13-0081	EA		4-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	761.44	121.78
23 81 26 13-0082	EA		5 Ton "A" Style Horizontal Cased A/C Evaporator Coil	773.35	127.79
23 81 26 13-0083 Slab Style Horizontal Cased A/C Evaporator Coils (23 81 26 13-0065)					
23 81 26 13-0084	EA		2 Ton Slab Style Horizontal Cased A/C Evaporator Coil	474.25	94.93
23 81 26 13-0085	EA		3 Ton Slab Style Horizontal Cased A/C Evaporator Coil	564.19	106.50
23 81 26 13-0086	EA		4 Ton Slab Style Horizontal Cased A/C Evaporator Coil	647.19	115.76
23 81 26 13-0087	EA		5 Ton Slab Style Horizontal Cased A/C Evaporator Coil	772.31	127.79
23 81 26 16 Large-Capacity Split-System Air-Conditioners (23 81 26)					
23 81 26 16-0001			Split System Air Conditioners, Variable Refrigerant Flow (Mitsubishi City Multi) (23 81 26 16)		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 16-0002				Outdoor Units <small>(23 81 26 16-0001)</small>		
			EA	6 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P72YKMU-A)	11,114.00	498.89
			EA	8 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P96YKMU-A)	12,072.13	593.92
			EA	10 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P120YKMU-A)	13,609.52	712.69
			EA	12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YKMU-A)	16,696.49	736.45
			EA	12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YKMU-A)	22,120.50	760.21
			EA	14 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P168YKMU-A)	22,936.09	783.97
			EA	16 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P192YKMU-A)	23,751.68	807.72
			EA	18 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P216YKMU-A)	25,146.52	855.24
			EA	20 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P240YKMU-A)	26,541.36	902.75
			EA	22 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P264YKMU-A)	29,675.85	950.26
			EA	24 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P288YKMU-A)	32,810.34	997.77
23 81 26 16-0014				Indoor Units <small>(23 81 26 16-0001)</small>		
			EA	6 MBH Cooling, 6.7 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P06NBMU-E2)	1,195.08	154.41
			EA	8 MBH Cooling, 9 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P08NHMU-E2)	1,258.22	166.29
			EA	12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P12NHMU-E2)	1,314.80	178.17
			EA	15 MBH Cooling, 17 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P15NHMU-E2)	1,381.23	190.05
			EA	18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P18NHMU-E2)	1,505.01	225.69
			EA	24 MBH Cooling, 27 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P24NKMU-E2)	1,689.97	273.20
			EA	30 MBH Cooling, 34 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P30NKMU-E2)	1,831.37	296.96
			EA	6 MBH Cooling, 6.7 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P06NMAU-E3)	1,708.46	169.85
			EA	8 MBH Cooling, 9 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P08NMAU-E3)	1,770.70	182.92
			EA	12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P12NMAU-E3)	1,869.05	195.99
			EA	15 MBH Cooling, 17 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P15NMAU-E3)	2,026.48	209.05
			EA	18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P18NMAU-E3)	2,150.83	248.25
			EA	24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P24NMAU-E3)	2,373.51	300.52
			EA	27 MBH Cooling, 30 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P27NMAU-E3)	2,494.83	313.59
			EA	30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P30NMAU-E3)	2,629.29	326.65
			EA	36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P36NMAU-E3)	2,914.54	359.31
			EA	48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P48NMAU-E3)	3,229.29	395.25
			EA	54 MBH Cooling, 60 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P54NMAU-E3)	3,498.72	434.78
			EA	72 MBH Cooling, 80 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P72NMHSU-E)	4,402.99	478.25
			EA	96 MBH Cooling, 108 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P96NMHSU-E)	4,990.99	526.07
			EA	12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP12NEMU-E)	1,943.23	195.99
			EA	15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP15NEMU-E)	2,050.11	209.05
			EA	18 MBH Cooling, 20 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP18NEMU-E)	2,176.43	248.25
			EA	24 MBH Cooling, 27 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP24NEMU-E)	2,449.66	300.52
			EA	30 MBH Cooling, 34 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP30NEMU-E)	2,640.45	326.65
			EA	36 MBH Cooling, 40 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP36NEMU-E)	3,213.23	359.32
			EA	6 MBH Cooling, 6.7 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P06NBMU-ER5)	1,744.57	169.85
			EA	8 MBH Cooling, 9 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P08NBMU-ER5)	1,836.35	182.92
			EA	12 MBH Cooling, 13.5 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P12NBMU-ER5)	1,974.09	195.99
			EA	15 MBH Cooling, 17 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P15NBMU-ER5)	2,078.99	209.05
			EA	8 MBH Cooling, 9 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P08NCMU-ER4)	1,626.28	182.92
			EA	12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P12NCMU-ER4)	1,711.50	195.99
			EA	15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P15NCMU-ER4)	1,799.99	209.05
23 81 26 16-0048				Controllers For Outdoor Units <small>(23 81 26 16-0001)</small>		
			EA	8 Branch (Main BC) (Mitsubishi CMB-P108NU-HA1)	5,963.56	142.53
			EA	10 Branch (Main BC) (Mitsubishi CMB-P1010NU-HA1)	6,897.31	166.29
			EA	13 Branch (Main BC) (Mitsubishi CMB-P1013NU-GA)	7,624.28	190.05
			EA	16 Branch (Main BC) (Mitsubishi CMB-P1016NU-HA)	9,043.80	213.81
			EA	4 Branch (Sub BC) (Mitsubishi CMB-P104NU-GB)	3,331.27	95.03
			EA	8 Branch (Sub BC) (Mitsubishi CMB-P108NU-GB)	5,129.84	142.53
			EA	16 Branch (Sub BC) (Mitsubishi CMB-P1016NU-HB)	7,839.18	213.81
23 81 26 16-0056				Energy Recovery Units <small>(23 81 26 16-0001)</small>		
			EA	36.2 MBH Cooling, 39.9 MBH Heating Hydronic Heat Exchanger Auxiliary Unit (Mitsubishi PWFY-P36NMMU-E2-AU)	4,237.04	142.53
			EA	39.9 MBH Hydronic Heat Exchanger Booster Unit (Mitsubishi PWFY-P36NMMU-E-BU)	7,965.80	142.53
			EA	112 MBH Cooling, 61.4 MBH Heating Reheat Unit (Mitsubishi PEFY-AF1200CFMR)	8,088.80	166.29
			EA	Lossnay Energy Recovery Ventilator ERV, 300 CFM (Mitsubishi LGH-F300RX5-E)	1,714.62	118.79
			EA	Lossnay Energy Recovery Ventilator ERV, 470 CFM (Mitsubishi LGH-F470RX5-E)	2,173.81	123.53
			EA	Lossnay Energy Recovery Ventilator ERV, 600 CFM (Mitsubishi LGH-F600RX5-E)	2,583.76	128.28

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 16-0063 EA Lossnay Energy Recovery Ventilator ERV, 1,200 CFM (Mitsubishi LGH-F1200RX5-E1).....	4,673.59	142.53
23 81 26 16-0064 Piping Specialties (23 81 26 16-0001)		
23 81 26 16-0065 EA Maintenance Tool Interface (Mitsubishi CMS-MNG-E)	584.26	
23 81 26 16-0066 EA Branch Joint (Mitsubishi CMY-Y102SS-G2)	170.14	36.31
23 81 26 16-0067 EA Branch Joint (Mitsubishi CMY-Y102LS-G2)	170.14	36.31
23 81 26 16-0068 EA Branch Joint (Mitsubishi CMY-Y202S-G2).....	188.05	38.22
23 81 26 16-0069 EA Branch Joint (Mitsubishi CMY-Y302S-G2).....	233.71	43.00
23 81 26 16-0070 EA Header - 4 Branch (Mitsubishi CMY-Y64-G-E)	308.03	62.12
23 81 26 16-0071 EA Header - 8 Branch (Mitsubishi CMY-Y68-G-E)	530.74	124.22
23 81 26 16-0072 EA Refrigeration Ball Valve-Flare/Schrader/Insulated - 3/8" (Mitsubishi BV38FFSI).....	92.94	15.29
23 81 26 16-0073 EA Refrigeration Ball Valve-Flare/Schrader/Insulated - 5/8" (Mitsubishi BV58FFSI).....	106.37	21.02
23 81 26 16-0074 Split System Air Conditioners (Daikin VRV) (23 81 26 16)		
23 81 26 16-0075 Heat Pump Outdoor Units (23 81 26 16-0074)		
23 81 26 16-0076 EA 6 Ton Heat Pump Outdoor Unit (Daikin RXYQ72PBTJ)	14,348.78	498.89
23 81 26 16-0077 EA 8 Ton Heat Pump Outdoor Unit (Daikin RXYQ96PBTJ)	16,061.32	593.92
23 81 26 16-0078 EA 10 Ton Heat Pump Outdoor Unit (Daikin RXYQ120PBTJ)	17,938.49	712.69
23 81 26 16-0079 EA 12 Ton Heat Pump Outdoor Unit (Daikin RXYQ144PBTJ)	22,319.22	736.45
23 81 26 16-0080 EA 14 Ton Heat Pump Outdoor Unit (Daikin RXYQ168PBTJ)	29,792.43	783.97
23 81 26 16-0081 EA 16 Ton Heat Pump Outdoor Unit (Daikin RXYQ192PBTJ)	31,479.55	807.72
23 81 26 16-0082 EA 18 Ton Heat Pump Outdoor Unit (Daikin RXYQ216PBTJ)	33,097.06	855.24
23 81 26 16-0083 EA 20 Ton Heat Pump Outdoor Unit (Daikin RXYQ240PBTJ)	34,831.68	902.75
23 81 26 16-0084 EA 22 Ton Heat Pump Outdoor Unit (Daikin RXYQ264PBTJ)	44,998.52	950.26
23 81 26 16-0085 EA 24 Ton Heat Pump Outdoor Unit (Daikin RXYQ288PBTJ)	46,733.15	997.77
23 81 26 16-0086 EA 26 Ton Heat Pump Outdoor Unit (Daikin RXYQ312PBTJ)	48,467.76	1,045.29
23 81 26 16-0087 EA 28 Ton Heat Pump Outdoor Unit (Daikin RXYQ336PBTJ)	50,085.28	1,092.80
23 81 26 16-0088 EA 30 Ton Heat Pump Outdoor Unit (Daikin RXYQ360PBTJ)	51,819.90	1,140.32
23 81 26 16-0089 Heat Recovery Heat Pump Outdoor Units (23 81 26 16-0074)		
23 81 26 16-0090 EA 6 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ72PBTJ).....	18,381.41	648.56
23 81 26 16-0091 EA 8 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ96PBTJ)	20,085.77	772.09
23 81 26 16-0092 EA 10 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ120PBTJ).....	22,113.75	926.51
23 81 26 16-0093 EA 12 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ144PBTJ).....	27,679.88	957.39
23 81 26 16-0094 EA 14 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ168PBTJ).....	37,289.66	1,019.16
23 81 26 16-0095 EA 16 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ192PBTJ).....	40,162.17	1,050.04
23 81 26 16-0096 EA 18 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ216PBTJ).....	41,691.07	1,111.81
23 81 26 16-0097 EA 20 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ240PBTJ).....	43,219.98	1,173.57
23 81 26 16-0098 EA 22 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ264PBTJ).....	56,753.08	1,235.34
23 81 26 16-0099 EA 24 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ288PBTJ).....	58,281.97	1,297.11
23 81 26 16-0100 EA 26 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ312PBTJ).....	61,216.25	1,358.88
23 81 26 16-0101 EA 28 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ336PBTJ).....	62,745.15	1,420.65
23 81 26 16-0102 Indoor Units (23 81 26 16-0074)		
23 81 26 16-0103 EA 7.5 MBH Cooling, 8.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ07PVJU).....	1,702.60	166.29
23 81 26 16-0104 EA 9.5 MBH Cooling, 10.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ09PVJU)	1,777.29	171.05
23 81 26 16-0105 EA 12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ12PVJU)	2,002.58	178.17
23 81 26 16-0106 EA 18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ18PVJU)	2,258.90	225.69
23 81 26 16-0107 EA 24 MBH Cooling, 26.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ24PVJU).....	2,493.15	273.20
23 81 26 16-0108 EA 7.5 MBH Cooling, 8.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ07PVJU).....	2,460.65	182.92
23 81 26 16-0109 EA 9.5 MBH Cooling, 10.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ09PVJU).....	2,542.91	188.15
23 81 26 16-0110 EA 12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ12PVJU).....	2,670.19	104.53
23 81 26 16-0111 EA 18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ18PVJU).....	2,857.58	248.25
23 81 26 16-0112 EA 24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ24PVJU).....	3,389.68	300.52
23 81 26 16-0113 EA 30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ30PVJU).....	3,867.32	326.65
23 81 26 16-0114 EA 36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ36PVJU).....	4,138.15	359.31
23 81 26 16-0115 EA 48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ48PVJU).....	4,292.87	395.25
23 81 26 16-0116 EA 7.5 MBH Cooling, 8.7 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ07M7VJU).....	2,741.28	182.92
23 81 26 16-0117 EA 9.5 MBH Cooling, 11.1 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ09M7VJU).....	2,806.97	188.15
23 81 26 16-0118 EA 12 MBH Cooling, 14 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ12M7VJU).....	2,982.86	195.99
23 81 26 16-0119 EA 18 MBH Cooling, 21 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ18M7VJU).....	3,203.40	248.25
23 81 26 16-0120 Branch Selector Boxes (23 81 26 16-0074)		
23 81 26 16-0121 EA 144 MBH, 4 Branch, Multi Port Branch Selector Box (Daikin BSV4Q36PVJU).....	8,157.14	213.81
23 81 26 16-0122 EA 216 MBH, 6 Branch, Multi Port Branch Selector Box (Daikin BSV6Q36PVJU).....	12,047.34	285.08
23 81 26 16-0123 EA 36 MBH, 4 Branch, Single Port Branch Selector Box (Daikin BSVQ36PVJU)	1,637.40	95.03
23 81 26 16-0124 EA 60 MBH, 8 Branch, Single Port Branch Selector Box (Daikin BSVQ60PVJU)	2,215.25	142.53
23 81 26 16-0125 EA 96 MBH, 8 Branch, Single Port Branch Selector Box (Daikin BSVQ96PVJU)	2,769.89	213.81
23 81 26 16-0126 Controllers (23 81 26 16-0074)		
23 81 26 16-0127 EA Up To 16 Units, Navigation Controller (Daikin BRC1E71)	549.13	19.00
23 81 26 16-0128 EA Individual Zone Controller (Daikin BRC2A71).....	412.12	19.00
23 81 26 16-0129 EA Up To 16 Groups, Unified ON/OFF Controller (Daikin DCS301C71).....	746.89	19.00



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 16-0130 EA Up To 64 Units, Multizone Controller (Daikin DCS302C71).....	1,024.21	19.00
23 81 26 16-0131 EA I-Touch Manager Replaced Both Daikin IMP-128 thru 1024 and DCS601C71 (Daikin DCM601A71).....	9,683.14	228.07
23 81 26 16-0132 EA I-Touch Manager D3net Plus Adapter (Daikin DCM601A72).....	1,736.84	19.00
23 81 26 16-0133 EA 24 Volt AC, Wired Thermostat For Split A/C Systems (Daikin DACA-TS-1).....	389.89	33.55
23 81 26 16-0134 Energy Recovery Units <small>(23 81 26 16-0074)</small>		
23 81 26 16-0135 EA 300 CFM Energy Recovery Unit (Daikin VAM300GVJU).....	2,843.90	118.79
23 81 26 16-0136 EA 470 CFM Energy Recovery Unit (Daikin VAM470GVJU).....	3,673.21	123.53
23 81 26 16-0137 EA 600 CFM Energy Recovery Unit (Daikin VAM600GVJU).....	4,385.39	128.28
23 81 26 16-0138 EA 1,200 CFM Energy Recovery Unit (Daikin VAM1200GVJU).....	8,131.72	142.53
23 81 43 Air-Source Unitary Heat Pumps <small>(23 81)</small>		
23 81 43 00-0001 Single Package Thru-Wall Heat Pumps <small>(23 81 43)</small>		
<small>Note: Air-to-air type with electric heat. Includes throwaway filters. Through the wall units are wired for 230/208 V, 1 phase, 60 HZ. With electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepped and charged with refrigerant, complete with push button controls all mounted in a steel cabinet, wall sleeve and outdoor grille. Excludes crane and associated personnel. See CSI section 01 22 23 00-0789 for crane lifting equipment.</small>		
23 81 43 00-0002 EA 1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	1,769.56	154.81
<i>For Unit Economizer, Add</i>	235.77	
<i>For >35 To 70, Deduct</i>	-44.11	
<i>For >70 To 100, Deduct</i>	-73.51	
<i>For >100, Deduct</i>	-102.92	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	207.15	
23 81 43 00-0003 EA 1 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	1,953.57	165.13
<i>For Unit Economizer, Add</i>	260.70	
<i>For >35 To 70, Deduct</i>	-49.01	
<i>For >70 To 100, Deduct</i>	-81.68	
<i>For >100, Deduct</i>	-114.35	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	227.01	
23 81 43 00-0004 EA 1-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	3,325.82	165.13
<i>For Unit Economizer, Add</i>	452.82	
<i>For >35 To 70, Deduct</i>	-90.18	
<i>For >70 To 100, Deduct</i>	-150.29	
<i>For >100, Deduct</i>	-210.41	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	350.51	
23 81 43 00-0005 EA 2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	3,640.50	165.13
<i>For Unit Economizer, Add</i>	496.05	
<i>For >35 To 70, Deduct</i>	-99.00	
<i>For >70 To 100, Deduct</i>	-165.00	
<i>For >100, Deduct</i>	-231.00	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	184.14	
23 81 43 00-0006 EA 2-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	4,118.57	175.45
<i>For Unit Economizer, Add</i>	562.15	
<i>For >35 To 70, Deduct</i>	-112.72	
<i>For >70 To 100, Deduct</i>	-187.87	
<i>For >100, Deduct</i>	-263.01	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	203.03	
23 81 43 00-0007 EA 3 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	4,314.61	185.77
<i>For Unit Economizer, Add</i>	589.60	
<i>For >35 To 70, Deduct</i>	-118.60	
<i>For >70 To 100, Deduct</i>	-197.67	
<i>For >100, Deduct</i>	-276.74	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	604.25	
23 81 43 00-0008 EA 3-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	4,858.01	185.77
<i>For Unit Economizer, Add</i>	664.85	
<i>For >35 To 70, Deduct</i>	-134.28	
<i>For >70 To 100, Deduct</i>	-223.81	
<i>For >100, Deduct</i>	-313.33	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	677.36	
23 81 43 00-0009 EA 4 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	5,358.42	196.09
<i>For Unit Economizer, Add</i>	734.49	
<i>For >35 To 70, Deduct</i>	-148.99	
<i>For >70 To 100, Deduct</i>	-248.31	
<i>For >100, Deduct</i>	-347.64	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	743.66	
23 81 43 00-0010 EA 5 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	6,171.81	227.05
<i>For Unit Economizer, Add</i>	845.89	
<i>For >35 To 70, Deduct</i>	-171.53	
<i>For >70 To 100, Deduct</i>	-285.89	
<i>For >100, Deduct</i>	-400.24	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	856.83	
23 81 43 00-0011 EA 7-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	11,296.28	268.33
<i>For Unit Economizer, Add</i>	1,559.60	
<i>For >35 To 70, Deduct</i>	-322.48	
<i>For >70 To 100, Deduct</i>	-537.46	
<i>For >100, Deduct</i>	-752.45	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,534.16	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 81 Decentralized Unitary HVAC Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0012	EA		10 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	14,544.65	340.57
			<i>For Unit Economizer, Add</i>	2,008.59	
			<i>For >35 To 70, Deduct</i>	-415.60	
			<i>For >70 To 100, Deduct</i>	-692.66	
			<i>For >100, Deduct</i>	-969.72	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	311.40	
23 81 43 00-0013	EA		12-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	17,753.46	381.86
			<i>For Unit Economizer, Add</i>	2,454.94	
			<i>For >35 To 70, Deduct</i>	-509.69	
			<i>For >70 To 100, Deduct</i>	-849.49	
			<i>For >100, Deduct</i>	-1,189.28	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	360.83	
23 81 43 00-0014	EA		15 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	21,897.76	433.46
			<i>For Unit Economizer, Add</i>	3,031.42	
			<i>For >35 To 70, Deduct</i>	-631.23	
			<i>For >70 To 100, Deduct</i>	-1,052.06	
			<i>For >100, Deduct</i>	-1,472.88	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	424.56	
23 81 43 00-0015	EA		20 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	29,157.97	464.42
			<i>For Unit Economizer, Add</i>	4,044.96	
			<i>For >35 To 70, Deduct</i>	-846.87	
			<i>For >70 To 100, Deduct</i>	-1,411.46	
			<i>For >100, Deduct</i>	-1,976.04	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	514.50	
23 81 43 00-0016	EA		25 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	35,121.61	505.70
			<i>For Unit Economizer, Add</i>	4,876.57	
			<i>For >35 To 70, Deduct</i>	-1,023.31	
			<i>For >70 To 100, Deduct</i>	-1,705.51	
			<i>For >100, Deduct</i>	-2,387.71	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	593.95	
23 81 43 00-0017			Single Package Vertical Wall Heat Pumps <small>(23 81 43)</small>		
			Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 V, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-0789 for crane lifting equipment.		
23 81 43 00-0018	EA		1/2 Ton Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	2,717.67	206.41
23 81 43 00-0019	EA		1 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	3,293.93	227.05
23 81 43 00-0020	EA		1-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	4,252.96	237.37
23 81 43 00-0021	EA		2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	4,874.56	258.01
23 81 43 00-0022	EA		2-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	6,093.05	299.29
23 81 43 00-0023	EA		3 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	6,511.02	340.57
23 81 43 00-0024	EA		3-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	7,073.08	381.86
23 81 43 00-0025	EA		4 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	7,958.21	423.14
23 81 43 00-0026	EA		5 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	8,975.29	505.70
23 81 43 00-0027			Heat Pump, Room Air-Conditioners <small>(23 81 43)</small>		
			Note: Includes throwaway filters and supplemental heat.		
23 81 43 00-0028			Heat Pump, Window Unit, Room Air-Conditioners <small>(23 81 43 00-0027)</small>		
23 81 43 00-0029			Heat Pump, Window Unit, Room Air-Conditioners (Friedrich) <small>(23 81 43 00-0028)</small>		
23 81 43 00-0030	EA		10,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS10N10C)	1,448.56	99.77
			<i>For >10 To 50, Deduct</i>	-62.45	
			<i>For >50 To 75, Deduct</i>	-87.43	
			<i>For >75 To 100, Deduct</i>	-124.90	
			<i>For >100, Deduct</i>	-149.88	
23 81 43 00-0031	EA		12,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS12N33C)	1,628.56	99.77
			<i>For >10 To 50, Deduct</i>	-71.45	
			<i>For >50 To 75, Deduct</i>	-100.03	
			<i>For >75 To 100, Deduct</i>	-142.90	
			<i>For >100, Deduct</i>	-171.48	
23 81 43 00-0032	EA		18,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YM18N34C)	1,848.56	99.77
			<i>For >10 To 50, Deduct</i>	-82.45	
			<i>For >50 To 75, Deduct</i>	-115.43	
			<i>For >75 To 100, Deduct</i>	-164.90	
			<i>For >100, Deduct</i>	-197.88	
23 81 43 00-0033	EA		24,000 BTU, 10.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YL24N35D)	2,198.56	99.77
			<i>For >10 To 50, Deduct</i>	-99.95	
			<i>For >50 To 75, Deduct</i>	-139.93	
			<i>For >75 To 100, Deduct</i>	-199.90	
			<i>For >100, Deduct</i>	-239.88	
23 81 43 00-0034			Heat Pump, Through-The-Wall, Room Air-Conditioners <small>(23 81 43 00-0027)</small>		
			Note: Base unit excludes wall sleeve.		
23 81 43 00-0035			Heat Pump, Through-The-Wall, Room Air-Conditioners (Friedrich) <small>(23 81 43 00-0034)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0036 EA 9,300 BTU, 9.8 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY09C33D)	1,441.53	71.27
<i>For >10 To 50, Deduct</i>	-64.95	
<i>For >50 To 75, Deduct</i>	-90.93	
<i>For >75 To 100, Deduct</i>	-129.90	
<i>For >100, Deduct</i>	-155.88	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	219.25	
23 81 43 00-0037 EA 11,300 BTU, 9.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY12D33A).....	1,441.53	71.27
<i>For >10 To 50, Deduct</i>	-64.95	
<i>For >50 To 75, Deduct</i>	-90.93	
<i>For >75 To 100, Deduct</i>	-129.90	
<i>For >100, Deduct</i>	-155.88	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	219.25	

23 81 46 Water-Source Unitary Heat Pumps (23 81)

23 81 46 00-0001	Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pumps (23 81 46)		
	Note: R410a. Includes rubber isolator hanger brackets, McQuay CCW Series.		
23 81 46 00-0002 EA	7 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	2,016.00	185.21
23 81 46 00-0003 EA	9 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	2,076.45	185.21
23 81 46 00-0004 EA	12 MBH, 400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	2,394.25	203.74
23 81 46 00-0005 EA	19 MBH, 630 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	2,526.67	222.26
23 81 46 00-0006 EA	24 MBH, 800 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	2,711.47	240.78
23 81 46 00-0007 EA	30 MBH, 1,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	3,178.37	259.31
23 81 46 00-0008 EA	36 MBH, 1,200 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	3,255.71	277.82
23 81 46 00-0009 EA	42 MBH, 1,400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	3,547.99	296.35
23 81 46 00-0010 EA	48 MBH, 1,600 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	3,786.53	314.86
23 81 46 00-0011 EA	60 MBH, 2,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	3,857.16	333.39

23 81 49 Split System Heat Pumps (23 81)

23 81 49 00-0001	Air Cooled, Outdoor Section (23 81 49)		
23 81 49 00-0002 EA	1.5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	3,573.43	306.52
	Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
	<i>For Low Ambient Protection, 0 Degree F, Add</i>	644.64	
	<i>For Winterstart Control, Add</i>	170.80	
	<i>For 16 SEER, Add</i>	901.61	
	<i>For 18 SEER, Add</i>	1,367.96	
23 81 49 00-0003 EA	2 Ton, 14 SEER, Outdoor Heat Pump Unit.....	3,685.63	340.57
	Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
	<i>For Low Ambient Protection, 0 Degree F, Add</i>	667.84	
	<i>For Winterstart Control, Add</i>	178.39	
	<i>For 16 SEER, Add</i>	919.18	
	<i>For 18 SEER, Add</i>	1,394.62	
23 81 49 00-0004 EA	2.5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	4,027.27	395.28
	Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
	<i>For Low Ambient Protection, 0 Degree F, Add</i>	732.52	
	<i>For Winterstart Control, Add</i>	197.01	
	<i>For 16 SEER, Add</i>	994.32	
	<i>For 18 SEER, Add</i>	1,508.62	
23 81 49 00-0005 EA	3 Ton, 14 SEER, Outdoor Heat Pump Unit.....	4,396.72	454.10
	Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
	<i>For Low Ambient Protection, 0 Degree F, Add</i>	617.05	
	<i>For Winterstart Control, Add</i>	217.15	
	<i>For 16 SEER, Add</i>	1,075.51	
	<i>For 18 SEER, Add</i>	1,631.81	
23 81 49 00-0006 EA	3.5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	4,535.97	471.65
	Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
	<i>For Low Ambient Protection, 0 Degree F, Add</i>	637.20	
	<i>For Winterstart Control, Add</i>	224.31	
	<i>For 16 SEER, Add</i>	1,108.23	
	<i>For 18 SEER, Add</i>	1,681.46	
23 81 49 00-0007 EA	4 Ton, 14 SEER, Outdoor Heat Pump Unit.....	5,038.48	541.83
	Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
	<i>For Low Ambient Protection, 0 Degree F, Add</i>	705.24	
	<i>For Winterstart Control, Add</i>	247.98	
	<i>For 16 SEER, Add</i>	1,236.69	
	<i>For 18 SEER, Add</i>	1,876.35	
23 81 49 00-0008 EA	5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	5,736.44	596.01
	Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
	<i>For Low Ambient Protection, 0 Degree F, Add</i>	457.11	
	<i>For Winterstart Control, Add</i>	133.99	
	<i>For 16 SEER, Add</i>	1,416.65	
	<i>For 18 SEER, Add</i>	2,149.40	
23 81 49 00-0009 EA	7.5 Ton, 11.5 EER, Outdoor Heat Pump Unit.....	6,006.66	665.19
	Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
	<i>For Low Ambient Protection, 0 Degree F, Add</i>	490.39	
	<i>For Winterstart Control, Add</i>	145.59	
23 81 49 00-0010 EA	10 Ton, 11.1 EER, Outdoor Heat Pump Unit.....	8,300.29	798.22
	Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
	<i>For Low Ambient Protection, 0 Degree F, Add</i>	366.14	
	<i>For Winterstart Control, Add</i>	185.80	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81	49 00-0011	EA	15 Ton, 10.9 EER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. <i>For Low Ambient Protection, 0 Degree F, Add</i> <i>For Winterstart Control, Add</i>	10,908.76 412.40 228.53	931.26
23 81	49 00-0012	EA	20 Ton, 10.3 EER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. <i>For Low Ambient Protection, 0 Degree F, Add</i> <i>For Winterstart Control, Add</i>	15,027.07 436.88 278.53	997.77
23 81	49 00-0013		Indoor Section, Horizontal Upflow <small>(23 81 49)</small> Note: Electric heat. Includes throwaway filters.		
23 81	49 00-0014	EA	2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat <i>For Additional 5 KW Electric Heat, Add</i>	1,041.10 93.89	101.68
23 81	49 00-0015	EA	2-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat <i>For Additional 5 KW Electric Heat, Add</i>	1,149.28 102.26	126.67
23 81	49 00-0016	EA	3 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat <i>For Additional 5 KW Electric Heat, Add</i>	1,202.42 104.92	153.00
23 81	49 00-0017	EA	3-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat <i>For Additional 5 KW Electric Heat, Add</i>	1,617.49 143.82	179.13
23 81	49 00-0018	EA	4 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat <i>For Additional 5 KW Electric Heat, Add</i>	1,663.27 146.11	201.93
23 81	49 00-0019	EA	5 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat <i>For Additional 5 KW Electric Heat, Add</i>	1,845.82 161.41	231.87
23 81	49 00-0020	EA	7-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat <i>For Additional 5 KW Electric Heat, Add</i>	3,925.38 354.53	380.11
23 81	49 00-0021	EA	10 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 kW Electric Heat <i>For Additional 5 KW Electric Heat, Add</i>	5,771.87 534.43	427.61
23 81	49 00-0022	EA	15 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15KW Electric Heat <i>For Additional 5 KW Electric Heat, Add</i>	8,082.81 760.77	475.13
23 81	49 00-0023	EA	20 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 KW Electric Heat <i>For Additional 5 KW Electric Heat, Add</i>	9,190.19 861.99	570.16
23 81	49 00-0024		Ductless Split System Heat Pumps <small>(23 81 49)</small> Note: Excludes refrigerant piping, electrical, and pad. Sanyo units or equal. See CSI section 23 81 26 13-0030 for accessories.		
23 81	49 00-0025		Wall Mounted Ductless Split System Heat Pumps <small>(23 81 49 00-0024)</small>		
23 81	49 00-0026	EA	9,000 BTU Cooling, 12,200 BTU Heating, 16 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,253.76	313.59
23 81	49 00-0027	EA	11,900 BTU Cooling, 13,300 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,489.30	342.09
23 81	49 00-0028	EA	17,500 BTU Cooling, 20,400 BTU Heating, 20 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,044.87	380.11
23 81	49 00-0029	EA	24,200 BTU Cooling, 29,000 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,507.97	418.12
23 81	49 00-0030	EA	25,200 BTU Cooling, 29,200 BTU Heating, 14.9 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,009.74	456.13
23 81	49 00-0031	EA	29,800 BTU Cooling, 34,800 BTU Heating, 15 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,817.64	475.13
23 81	49 00-0032	EA	31,400 BTU Cooling, 36,400 BTU Heating, 15.9 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,385.36	506.49
23 81	49 00-0033		Dual and Tri Zone Wall Mounted Ductless Split System Heat Pumps <small>(23 81 49 00-0024)</small> Note: Use this section only when matching indoor and outdoor capacity units are not used.		
23 81	49 00-0034	EA	7,500 BTU Cooling, 8,500 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	929.17	152.04
23 81	49 00-0035	EA	9,000 BTU Cooling, 12,200 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	979.86	161.55
23 81	49 00-0036	EA	11,900 BTU Cooling, 14,300 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,031.45	171.05
23 81	49 00-0037	EA	17,500 BTU Cooling, 20,400 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,177.30	180.55
23 81	49 00-0038	EA	24,200 BTU Cooling, 29,000 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,254.91	190.05
23 81	49 00-0039	EA	19,700 BTU Cooling, 24,800 BTU Heating, 16.4 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	2,841.97	228.07
23 81	49 00-0040	EA	23,200 BTU Cooling, 29,200 BTU Heating, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	3,374.26	247.07
23 81	49 00-0041	EA	30,600 BTU Cooling, 32,000 BTU Heating, 17.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	5,510.80	266.08
23 81	49 00-0042		Suspended Ceiling Mounted Ductless Split System Heat Pumps <small>(23 81 49 00-0024)</small> Note: Excludes hangers.		
23 81	49 00-0043	EA	24,400 BTU Cooling, 30,800 BTU Heating, 14.5 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,363.45	456.13
23 81	49 00-0044	EA	31,200 BTU Cooling, 37,400 BTU Heating, 15.1 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,509.06	544.50



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0045	EA			39,000 BTU Cooling, 44,500 BTU Heating, 15.6 SEER, Ceiling Suspended Ductless Split System Heat Pumps 7,879.39 Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,879.39	570.16
23 81 49 00-0046 Recessed Ceiling Mounted Ductless Split System Heat Pumps <small>(23 81 49 00-0024)</small>						
Note: Excludes hangers.						
23 81 49 00-0047	EA			11,900 BTU Cooling, 13,600 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps 3,537.73 Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,537.73	380.11
23 81 49 00-0048	EA			17,500 BTU Cooling, 20,400 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps 4,013.39 Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,013.39	418.12
23 81 49 00-0049	EA			24,800 BTU Cooling, 29,800 BTU Heating, 14.1 SEER, Ceiling Recessed Ductless Split System Heat Pumps 5,323.82 Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,323.82	494.13
23 81 49 00-0050	EA			32,600 BTU Cooling, 37,600 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps 6,149.97 Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,149.97	544.50
23 81 49 00-0051	EA			39,500 BTU Cooling, 48,000 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps 7,699.85 Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,699.85	570.16
23 82 Convection Heating And Cooling Units <small>(23 80)</small>						
23 82 16 Air Coils <small>(23 82)</small>						
23 82 16 11 Hydronic Air Coils <small>(23 82 16)</small>						
23 82 16 11-0001 Chilled Water Cooling Coils <small>(23 82 16 11)</small>						
Note: Flanged construction, 16 gauge galvanized steel casing.						
23 82 16 11-0002 2 Row Chilled Water Cooling Coils <small>(23 82 16 11-0001)</small>						
23 82 16 11-0003	EA			12" x 12" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted 612.26	612.26	46.30
23 82 16 11-0004	EA			12" x 24" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted 992.15	992.15	62.97
23 82 16 11-0005	EA			24" x 30" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted 1,360.56	1,360.56	99.09
23 82 16 11-0006	EA			24" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted 1,685.62	1,685.62	141.69
23 82 16 11-0007	EA			30" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted 1,832.48	1,832.48	174.10
23 82 16 11-0008	EA			30" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted 2,078.73	2,078.73	211.14
23 82 16 11-0009	EA			30" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted 2,261.37	2,261.37	244.48
23 82 16 11-0010	EA			30" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted 2,484.14	2,484.14	431.92
23 82 16 11-0011	EA			34" x 32" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted 1,412.41	1,412.41	164.19
23 82 16 11-0012	EA			34" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted 1,897.68	1,897.68	279.58
23 82 16 11-0013	EA			34" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted 2,136.66	2,136.66	347.28
23 82 16 11-0014	EA			34" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted 2,422.48	2,422.48	419.42
23 82 16 11-0015	EA			34" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted 2,682.76	2,682.76	488.41
23 82 16 11-0016 4 Row Chilled Water Cooling Coils <small>(23 82 16 11-0001)</small>						
23 82 16 11-0017	EA			12" x 12" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted 772.11	772.11	96.31
23 82 16 11-0018	EA			12" x 24" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted 1,222.44	1,222.44	138.91
23 82 16 11-0019	EA			24" x 30" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted 1,717.93	1,717.93	231.52
23 82 16 11-0020	EA			24" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted 2,172.55	2,172.55	343.57
23 82 16 11-0021	EA			30" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted 2,540.82	2,540.82	421.36
23 82 16 11-0022	EA			30" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted 3,036.80	3,036.80	514.90
23 82 16 11-0023	EA			30" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted 3,435.66	3,435.66	617.69
23 82 16 11-0024	EA			30" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted 3,496.64	3,496.64	719.01
23 82 16 11-0025	EA			34" x 32" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted 2,029.91	2,029.91	310.33
23 82 16 11-0026	EA			34" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted 2,673.54	2,673.54	466.75
23 82 16 11-0027	EA			34" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted 3,010.09	3,010.09	578.80
23 82 16 11-0028	EA			34" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted 3,453.44	3,453.44	697.33
23 82 16 11-0029	EA			34" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted 3,848.06	3,848.06	815.23

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0030		6 Row Chilled Water Cooling Coils <small>(23 82 16 11-0001)</small>		
23 82 16 11-0031	EA	12" x 12" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,073.87	122.25
23 82 16 11-0032	EA	12" x 24" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,309.17	181.51
23 82 16 11-0033	EA	24" x 30" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,852.97	309.31
23 82 16 11-0034	EA	24" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,567.09	463.04
23 82 16 11-0035	EA	30" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,339.18	578.80
23 82 16 11-0036	EA	30" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,857.29	712.16
23 82 16 11-0037	EA	30" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,502.46	841.81
23 82 16 11-0038	EA	30" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,495.74	980.99
23 82 16 11-0039	EA	34" x 32" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,582.48	424.05
23 82 16 11-0040	EA	34" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,413.61	636.03
23 82 16 11-0041	EA	34" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,938.89	796.42
23 82 16 11-0042	EA	34" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,447.21	956.73
23 82 16 11-0043	EA	34" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,955.54	1,113.05
23 82 16 11-0044		8 Row Chilled Water Cooling Coils <small>(23 82 16 11-0001)</small>		
23 82 16 11-0045	EA	12" x 12" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,336.52	147.24
23 82 16 11-0046	EA	12" x 24" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,687.33	225.97
23 82 16 11-0047	EA	24" x 30" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,591.10	402.85
23 82 16 11-0048	EA	24" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,532.19	617.69
23 82 16 11-0049	EA	30" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,275.28	772.35
23 82 16 11-0050	EA	30" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,999.04	926.08
23 82 16 11-0051	EA	30" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,706.79	1,028.87
23 82 16 11-0052	EA	30" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,237.23	1,193.43
23 82 16 11-0053	EA	34" x 32" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,984.80	516.75
23 82 16 11-0054	EA	34" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,963.03	776.89
23 82 16 11-0055	EA	34" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,574.55	967.75
23 82 16 11-0056	EA	34" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,165.75	1,157.60
23 82 16 11-0057	EA	34" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,794.35	1,361.89
23 82 16 11-0058		Hot Water Heating Coils <small>(23 82 16 11)</small>		
		Note: Flanged construction.		
23 82 16 11-0059		1 Row Hot Water Heating Coils <small>(23 82 16 11-0059)</small>		
23 82 16 11-0060	EA	12" x 12" Hot Water Heating Coil, 1 Row Flanged Construction.....	675.02	125.02
		For 10 Fins Per Inch, Add	8.49	
		For 12 Fins Per Inch, Add	21.24	
		For 230 PSIG Heavy Duty, Add	160.03	
23 82 16 11-0061	EA	12" x 24" Hot Water Heating Coil, 1 Row Flanged Construction.....	975.75	160.21
		For 10 Fins Per Inch, Add	13.13	
		For 12 Fins Per Inch, Add	32.82	
		For 230 PSIG Heavy Duty, Add	227.08	
23 82 16 11-0062	EA	24" x 30" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,213.23	220.40
		For 10 Fins Per Inch, Add	15.44	
		For 12 Fins Per Inch, Add	38.61	
		For 230 PSIG Heavy Duty, Add	286.75	
23 82 16 11-0063	EA	24" x 48" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,486.15	309.31
		For 10 Fins Per Inch, Add	17.38	
		For 12 Fins Per Inch, Add	43.44	
		For 230 PSIG Heavy Duty, Add	358.97	
23 82 16 11-0064	EA	30" x 48" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,706.17	370.43
		For 10 Fins Per Inch, Add	19.31	
		For 12 Fins Per Inch, Add	48.27	
		For 230 PSIG Heavy Duty, Add	415.32	



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Decentralized Unitary HVAC Equipment	23 80
Convection Heating And Cooling Units	23 82

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0065 EA 30" x 60" Hot Water Heating Coil, 1 Row Flanged Construction.....	2,026.52	463.04
<i>For 10 Fins Per Inch, Add</i>	22.01	
<i>For 12 Fins Per Inch, Add</i>	55.02	
<i>For 230 PSIG Heavy Duty, Add</i>	497.91	
23 82 16 11-0066 EA 30" x 72" Hot Water Heating Coil, 1 Row Flanged Construction.....	2,264.56	513.97
<i>For 10 Fins Per Inch, Add</i>	24.71	
<i>For 12 Fins Per Inch, Add</i>	61.78	
<i>For 230 PSIG Heavy Duty, Add</i>	555.81	
23 82 16 11-0067 EA 30" x 84" Hot Water Heating Coil, 1 Row Flanged Construction.....	2,765.74	597.60
<i>For 10 Fins Per Inch, Add</i>	31.32	
<i>For 12 Fins Per Inch, Add</i>	78.31	
<i>For 230 PSIG Heavy Duty, Add</i>	673.11	
23 82 16 11-0068 EA 34" x 32" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,194.13	258.93
<i>For 10 Fins Per Inch, Add</i>	13.52	
<i>For 12 Fins Per Inch, Add</i>	33.81	
<i>For 230 PSIG Heavy Duty, Add</i>	290.62	
23 82 16 11-0069 EA 34" x 48" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,791.19	388.49
<i>For 10 Fins Per Inch, Add</i>	20.29	
<i>For 12 Fins Per Inch, Add</i>	50.71	
<i>For 230 PSIG Heavy Duty, Add</i>	435.93	
23 82 16 11-0070 EA 34" x 72" Hot Water Heating Coil, 1 Row Flanged Construction.....	2,696.66	587.59
<i>For 10 Fins Per Inch, Add</i>	30.43	
<i>For 12 Fins Per Inch, Add</i>	76.07	
<i>For 230 PSIG Heavy Duty, Add</i>	656.86	
23 82 16 11-0071 EA 34" x 84" Hot Water Heating Coil, 1 Row Flanged Construction.....	3,136.86	680.95
<i>For 10 Fins Per Inch, Add</i>	35.50	
<i>For 12 Fins Per Inch, Add</i>	88.75	
<i>For 230 PSIG Heavy Duty, Add</i>	763.56	
23 82 16 11-0072 SF >15 SF Hot Water Heating Coil, 1 Row, Flanged Construction	146.27	34.26
<i>For 10 Fins Per Inch, Add</i>	1.55	
<i>For 12 Fins Per Inch, Add</i>	3.89	
<i>For 230 PSIG Heavy Duty, Add</i>	36.11	
23 82 16 11-0073 2 Row Hot Water Heating Coils (23 82 16 11-0058)		
23 82 16 11-0074 EA 12" x 12" Hot Water Heating Coil, 2 Row Flanged Construction.....	1,042.33	154.66
<i>For 10 Fins Per Inch, Add</i>	14.67	
<i>For 12 Fins Per Inch, Add</i>	36.68	
<i>For 230 PSIG Heavy Duty, Add</i>	239.34	
23 82 16 11-0075 EA 12" x 24" Hot Water Heating Coil, 2 Row Flanged Construction.....	1,164.53	205.59
<i>For 10 Fins Per Inch, Add</i>	15.06	
<i>For 12 Fins Per Inch, Add</i>	37.65	
<i>For 230 PSIG Heavy Duty, Add</i>	274.07	
23 82 16 11-0076 EA 24" x 30" Hot Water Heating Coil, 2 Row Flanged Construction.....	1,601.99	309.31
<i>For 10 Fins Per Inch, Add</i>	19.69	
<i>For 12 Fins Per Inch, Add</i>	49.23	
<i>For 230 PSIG Heavy Duty, Add</i>	382.14	
23 82 16 11-0077 EA 24" x 48" Hot Water Heating Coil, 2 Row Flanged Construction.....	2,001.73	440.81
<i>For 10 Fins Per Inch, Add</i>	22.40	
<i>For 12 Fins Per Inch, Add</i>	55.99	
<i>For 230 PSIG Heavy Duty, Add</i>	488.54	
23 82 16 11-0078 EA 30" x 48" Hot Water Heating Coil, 2 Row Flanged Construction.....	2,344.39	544.53
<i>For 10 Fins Per Inch, Add</i>	25.10	
<i>For 12 Fins Per Inch, Add</i>	62.74	
<i>For 230 PSIG Heavy Duty, Add</i>	577.83	
23 82 16 11-0079 EA 30" x 60" Hot Water Heating Coil, 2 Row Flanged Construction.....	2,577.86	661.22
<i>For 10 Fins Per Inch, Add</i>	25.10	
<i>For 12 Fins Per Inch, Add</i>	62.74	
<i>For 230 PSIG Heavy Duty, Add</i>	647.87	
23 82 16 11-0080 EA 30" x 72" Hot Water Heating Coil, 2 Row Flanged Construction.....	2,933.51	772.35
<i>For 10 Fins Per Inch, Add</i>	27.80	
<i>For 12 Fins Per Inch, Add</i>	69.50	
<i>For 230 PSIG Heavy Duty, Add</i>	741.05	
23 82 16 11-0081 EA 30" x 84" Hot Water Heating Coil, 2 Row Flanged Construction.....	3,556.66	897.37
<i>For 10 Fins Per Inch, Add</i>	35.24	
<i>For 12 Fins Per Inch, Add</i>	88.10	
<i>For 230 PSIG Heavy Duty, Add</i>	890.80	
23 82 16 11-0082 EA 34" x 32" Hot Water Heating Coil, 2 Row Flanged Construction.....	1,535.02	387.20
<i>For 10 Fins Per Inch, Add</i>	15.21	
<i>For 12 Fins Per Inch, Add</i>	38.04	
<i>For 230 PSIG Heavy Duty, Add</i>	384.44	
23 82 16 11-0083 EA 34" x 48" Hot Water Heating Coil, 2 Row Flanged Construction.....	2,304.48	581.67
<i>For 10 Fins Per Inch, Add</i>	22.82	
<i>For 12 Fins Per Inch, Add</i>	57.05	
<i>For 230 PSIG Heavy Duty, Add</i>	577.24	
23 82 16 11-0084 EA 34" x 72" Hot Water Heating Coil, 2 Row Flanged Construction.....	3,465.53	877.00
<i>For 10 Fins Per Inch, Add</i>	34.23	
<i>For 12 Fins Per Inch, Add</i>	85.58	
<i>For 230 PSIG Heavy Duty, Add</i>	868.50	
23 82 16 11-0085 EA 34" x 84" Hot Water Heating Coil, 2 Row Flanged Construction.....	4,045.72	1,024.42
<i>For 10 Fins Per Inch, Add</i>	39.94	
<i>For 12 Fins Per Inch, Add</i>	99.84	
<i>For 230 PSIG Heavy Duty, Add</i>	1,014.03	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 82 Convection Heating And Cooling Units



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 82 16 11-0086 Hot Water Preheat Coils For Multi-Zone Air Handling Units (23 82 16 11)

Note: 2 Row coils. Coils are sized by air handling unit capacity.

23 82 16 11-0087	EA		3,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	838.73	117.61
23 82 16 11-0088	EA		4,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	1,039.51	116.68
23 82 16 11-0089	EA		5,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	1,256.14	125.02
23 82 16 11-0090	EA		6,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	1,450.05	136.13
23 82 16 11-0091	EA		7,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	1,462.62	142.61
23 82 16 11-0092	EA		9,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	1,746.68	150.02
23 82 16 11-0093	EA		11,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	1,823.32	168.55
23 82 16 11-0094	EA		13,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	2,019.00	188.92
23 82 16 11-0095	EA		16,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	2,285.82	225.97
23 82 16 11-0096	EA		19,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	2,482.74	237.08
23 82 16 11-0097	EA		22,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	3,126.20	250.96
23 82 16 11-0098	EA		27,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	4,006.62	343.57
23 82 16 11-0099	EA		34,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	5,023.58	421.36
23 82 16 11-0100	EA		40,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	5,800.64	440.81
23 82 16 11-0101	EA		47,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	6,811.13	513.97

23 82 16 12 Steam Air Coils (23 82 16)

23 82 16 12-0001 Steam Heating Coils (23 82 16 12)

Note: Flanged construction.

23 82 16 12-0002	EA		12" x 12" Steam Heating Coils, 1 Row Flanged Construction.....	713.67	87.06
			For 2 Row Coil, Add	248.72	
			For 4 Row Coil, Add	645.37	
23 82 16 12-0003	EA		12" x 24" Steam Heating Coils, 1 Row Flanged Construction.....	819.72	120.39
			For 2 Row Coil, Add	294.02	
			For 4 Row Coil, Add	759.21	
23 82 16 12-0004	EA		24" x 30" Steam Heating Coils, 1 Row Flanged Construction.....	1,145.05	215.77
			For 2 Row Coil, Add	429.66	
			For 4 Row Coil, Add	1,101.25	
23 82 16 12-0005	EA		24" x 48" Steam Heating Coils, 1 Row Flanged Construction.....	1,486.15	309.31
			For 2 Row Coil, Add	569.32	
			For 4 Row Coil, Add	1,454.39	
23 82 16 12-0006	EA		30" x 48" Steam Heating Coils, 1 Row Flanged Construction.....	1,686.87	370.43
			For 2 Row Coil, Add	654.24	
			For 4 Row Coil, Add	1,668.07	
23 82 16 12-0007	EA		30" x 60" Steam Heating Coils, 1 Row Flanged Construction.....	1,949.30	463.04
			For 2 Row Coil, Add	770.01	
			For 4 Row Coil, Add	1,957.65	
23 82 16 12-0008	EA		30" x 72" Steam Heating Coils, 1 Row Flanged Construction.....	2,148.72	513.97
			For 2 Row Coil, Add	850.41	
			For 4 Row Coil, Add	2,161.43	
23 82 16 12-0009	EA		30" x 84" Steam Heating Coils, 1 Row Flanged Construction.....	2,618.91	599.82
			For 2 Row Coil, Add	1,025.59	
			For 4 Row Coil, Add	2,610.95	
23 82 16 12-0010	EA		34" x 32" Steam Heating Coils, 1 Row Flanged Construction.....	1,130.73	258.93
			For 2 Row Coil, Add	442.81	
			For 4 Row Coil, Add	1,127.30	
23 82 16 12-0011	EA		34" x 48" Steam Heating Coils, 1 Row Flanged Construction.....	1,696.10	388.49
			For 2 Row Coil, Add	664.21	
			For 4 Row Coil, Add	1,690.95	
23 82 16 12-0012	EA		34" x 72" Steam Heating Coils, 1 Row Flanged Construction.....	2,542.20	581.67
			For 2 Row Coil, Add	995.34	
			For 4 Row Coil, Add	2,534.03	
23 82 16 12-0013	EA		34" x 84" Steam Heating Coils, 1 Row Flanged Construction.....	2,970.46	680.95
			For 2 Row Coil, Add	1,163.51	
			For 4 Row Coil, Add	2,961.98	

23 82 16 13 Refrigerant Air Coils (23 82 16)

23 82 16 13-0001 Direct Expansion Cooling Coils (23 82 16 13)

Note: Flanged construction 16 gauge galvanized steel casing.

23 82 16 13-0002 2 Row Direct Expansion Cooling Coils (23 82 16 13-0001)

23 82 16 13-0003	EA		12" x 12" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	529.24	69.46
			For 10 Fins Per Inch, Add	7.80	
			For 12 Fins Per Inch, Add	19.50	
23 82 16 13-0004	EA		12" x 24" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	970.91	95.39
			For 10 Fins Per Inch, Add	15.60	
			For 12 Fins Per Inch, Add	39.00	
23 82 16 13-0005	EA		24" x 30" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,360.56	150.02
			For 10 Fins Per Inch, Add	21.24	
			For 12 Fins Per Inch, Add	53.09	
23 82 16 13-0006	EA		24" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,685.62	215.77
			For 10 Fins Per Inch, Add	25.10	
			For 12 Fins Per Inch, Add	62.74	
23 82 16 13-0007	EA		30" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,977.14	263.93
			For 10 Fins Per Inch, Add	28.96	
			For 12 Fins Per Inch, Add	72.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 13-0008 EA 30" x 60" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,241.07	319.49
<i>For 10 Fins Per Inch, Add</i>	32.05	
<i>For 12 Fins Per Inch, Add</i>	80.12	
23 82 16 13-0009 EA 30" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,574.95	370.43
<i>For 10 Fins Per Inch, Add</i>	36.68	
<i>For 12 Fins Per Inch, Add</i>	91.70	
23 82 16 13-0010 EA 30" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,188.66	431.92
<i>For 10 Fins Per Inch, Add</i>	46.50	
<i>For 12 Fins Per Inch, Add</i>	116.24	
23 82 16 13-0011 EA 34" x 32" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,222.18	164.19
<i>For 10 Fins Per Inch, Add</i>	17.88	
<i>For 12 Fins Per Inch, Add</i>	44.69	
23 82 16 13-0012 EA 34" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,662.79	279.58
<i>For 10 Fins Per Inch, Add</i>	22.07	
<i>For 12 Fins Per Inch, Add</i>	55.18	
23 82 16 13-0013 EA 34" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,144.57	419.42
<i>For 10 Fins Per Inch, Add</i>	26.11	
<i>For 12 Fins Per Inch, Add</i>	65.29	
23 82 16 13-0014 EA 34" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,383.35	488.41
<i>For 10 Fins Per Inch, Add</i>	28.13	
<i>For 12 Fins Per Inch, Add</i>	70.32	
23 82 16 13-0015 4 Row Direct Expansion Cooling Coils <small>(23 82 16 13-0001)</small>		
23 82 16 13-0016 EA 12" x 12" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	855.13	96.31
<i>For 10 Fins Per Inch, Add</i>	13.24	
<i>For 12 Fins Per Inch, Add</i>	33.11	
23 82 16 13-0017 EA 12" x 24" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,222.44	138.91
<i>For 10 Fins Per Inch, Add</i>	18.92	
<i>For 12 Fins Per Inch, Add</i>	47.30	
23 82 16 13-0018 EA 24" x 30" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,717.93	231.52
<i>For 10 Fins Per Inch, Add</i>	25.10	
<i>For 12 Fins Per Inch, Add</i>	62.74	
23 82 16 13-0019 EA 24" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,172.55	343.57
<i>For 10 Fins Per Inch, Add</i>	29.73	
<i>For 12 Fins Per Inch, Add</i>	74.33	
23 82 16 13-0020 EA 30" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,540.82	421.36
<i>For 10 Fins Per Inch, Add</i>	33.98	
<i>For 12 Fins Per Inch, Add</i>	84.95	
23 82 16 13-0021 EA 30" x 60" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,036.80	514.90
<i>For 10 Fins Per Inch, Add</i>	40.16	
<i>For 12 Fins Per Inch, Add</i>	100.39	
23 82 16 13-0022 EA 30" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,435.66	617.69
<i>For 10 Fins Per Inch, Add</i>	44.02	
<i>For 12 Fins Per Inch, Add</i>	110.04	
23 82 16 13-0023 EA 30" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,496.64	719.01
<i>For 10 Fins Per Inch, Add</i>	41.17	
<i>For 12 Fins Per Inch, Add</i>	102.93	
23 82 16 13-0024 EA 34" x 32" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,029.91	310.33
<i>For 10 Fins Per Inch, Add</i>	28.18	
<i>For 12 Fins Per Inch, Add</i>	70.46	
23 82 16 13-0025 EA 34" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,673.54	466.75
<i>For 10 Fins Per Inch, Add</i>	34.80	
<i>For 12 Fins Per Inch, Add</i>	87.00	
23 82 16 13-0026 EA 34" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,177.51	820.97
<i>For 10 Fins Per Inch, Add</i>	50.71	
<i>For 12 Fins Per Inch, Add</i>	126.78	
23 82 16 13-0027 EA 34" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,803.25	956.73
<i>For 10 Fins Per Inch, Add</i>	57.80	
<i>For 12 Fins Per Inch, Add</i>	144.49	
23 82 16 13-0028 6 Row Direct Expansion Cooling Coils <small>(23 82 16 13-0001)</small>		
23 82 16 13-0029 EA 12" x 12" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,093.18	121.32
<i>For 10 Fins Per Inch, Add</i>	16.99	
<i>For 12 Fins Per Inch, Add</i>	42.47	
23 82 16 13-0030 EA 12" x 24" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,309.17	181.51
<i>For 10 Fins Per Inch, Add</i>	18.92	
<i>For 12 Fins Per Inch, Add</i>	47.30	
23 82 16 13-0031 EA 24" x 30" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,949.50	309.31
<i>For 10 Fins Per Inch, Add</i>	26.64	
<i>For 12 Fins Per Inch, Add</i>	66.61	
23 82 16 13-0032 EA 24" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,567.09	463.04
<i>For 10 Fins Per Inch, Add</i>	32.82	
<i>For 12 Fins Per Inch, Add</i>	82.05	
23 82 16 13-0033 EA 30" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,339.18	578.80
<i>For 10 Fins Per Inch, Add</i>	43.63	
<i>For 12 Fins Per Inch, Add</i>	109.08	
23 82 16 13-0034 EA 30" x 60" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,857.29	712.16
<i>For 10 Fins Per Inch, Add</i>	48.65	
<i>For 12 Fins Per Inch, Add</i>	121.63	
23 82 16 13-0035 EA 30" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,502.46	841.81
<i>For 10 Fins Per Inch, Add</i>	56.37	
<i>For 12 Fins Per Inch, Add</i>	140.93	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 82 Convection Heating And Cooling Units



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 13-0036	EA		30" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,495.74	980.99
			For 10 Fins Per Inch, Add	50.67	
			For 12 Fins Per Inch, Add	126.69	
23 82 16 13-0037	EA		34" x 32" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,582.48	424.05
			For 10 Fins Per Inch, Add	34.69	
			For 12 Fins Per Inch, Add	86.72	
23 82 16 13-0038	EA		34" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,413.61	636.03
			For 10 Fins Per Inch, Add	42.83	
			For 12 Fins Per Inch, Add	107.08	
23 82 16 13-0039	EA		34" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,431.52	948.86
			For 10 Fins Per Inch, Add	50.68	
			For 12 Fins Per Inch, Add	126.69	
23 82 16 13-0040	EA		34" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,955.54	1,113.05
			For 10 Fins Per Inch, Add	54.59	
			For 12 Fins Per Inch, Add	136.47	
23 82 16 13-0041			8 Row Direct Expansion Cooling Coils (23 82 16 13-0001)		
23 82 16 13-0042	EA		12" x 12" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,355.82	146.32
			For 10 Fins Per Inch, Add	21.24	
			For 12 Fins Per Inch, Add	53.09	
23 82 16 13-0043	EA		12" x 24" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,687.33	225.97
			For 10 Fins Per Inch, Add	24.71	
			For 12 Fins Per Inch, Add	61.78	
23 82 16 13-0044	EA		24" x 30" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,591.10	402.85
			For 10 Fins Per Inch, Add	35.72	
			For 12 Fins Per Inch, Add	89.29	
23 82 16 13-0045	EA		24" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,532.19	617.69
			For 10 Fins Per Inch, Add	45.95	
			For 12 Fins Per Inch, Add	114.87	
23 82 16 13-0046	EA		30" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,275.28	772.35
			For 10 Fins Per Inch, Add	54.64	
			For 12 Fins Per Inch, Add	136.59	
23 82 16 13-0047	EA		30" x 60" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,999.04	926.08
			For 10 Fins Per Inch, Add	62.94	
			For 12 Fins Per Inch, Add	157.34	
23 82 16 13-0048	EA		30" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,706.79	1,028.87
			For 10 Fins Per Inch, Add	72.98	
			For 12 Fins Per Inch, Add	182.44	
23 82 16 13-0049	EA		30" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,237.23	1,193.43
			For 10 Fins Per Inch, Add	57.01	
			For 12 Fins Per Inch, Add	142.52	
23 82 16 13-0050	EA		34" x 32" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,984.80	516.75
			For 10 Fins Per Inch, Add	39.02	
			For 12 Fins Per Inch, Add	97.56	
23 82 16 13-0051	EA		34" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,963.03	776.89
			For 10 Fins Per Inch, Add	48.18	
			For 12 Fins Per Inch, Add	120.46	
23 82 16 13-0052	EA		34" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,189.13	1,169.27
			For 10 Fins Per Inch, Add	57.01	
			For 12 Fins Per Inch, Add	142.53	
23 82 16 13-0053	EA		34" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,794.35	1,361.89
			For 10 Fins Per Inch, Add	61.41	
			For 12 Fins Per Inch, Add	153.53	
23 82 16 14			Electric-Resistance Air Coils (23 82 16)		
23 82 16 14-0001			Standard Electric Slip-In Blast Coil Heater (23 82 16 14)		
23 82 16 14-0002			Electric Slip-In Blast Coil Heater With Open Coil Element (23 82 16 14-0001)		
23 82 16 14-0003	EA		1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	341.26	73.17
23 82 16 14-0004	EA		1 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	353.44	78.87
23 82 16 14-0005	EA		2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	367.83	86.48
23 82 16 14-0006	EA		3 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	372.68	89.32
23 82 16 14-0007	EA		4 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	385.11	95.03
23 82 16 14-0008	EA		5 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	399.42	102.63
23 82 16 14-0009	EA		6 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	457.88	114.98
23 82 16 14-0010	EA		7 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	469.47	120.69
23 82 16 14-0011	EA		8 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	478.97	124.49
23 82 16 14-0012	EA		9 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	492.87	132.08
23 82 16 14-0013	EA		10 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	536.26	139.69
23 82 16 14-0014	EA		12-1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	563.31	153.00
23 82 16 14-0015	EA		15 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	590.19	166.29
23 82 16 14-0016	EA		20 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	617.35	179.60
23 82 16 14-0017	EA		30 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	810.04	250.87
23 82 16 14-0018	EA		40 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,357.79	267.02
23 82 16 14-0019	EA		50 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,498.56	305.98
23 82 16 14-0020	EA		60 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,759.67	339.25
23 82 16 14-0021	EA		70 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,852.76	368.70
23 82 16 14-0022	EA		80 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	2,030.26	404.81
23 82 16 14-0023	EA		90 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	2,462.67	432.37
23 82 16 14-0024	EA		100 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	2,700.30	464.68
23 82 16 14-0025	EA		125 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	3,248.25	501.74



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 14-0026 EA 150 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	3,648.75	545.45
23 82 16 14-0027 Electric Slip-In Blast Coil Heater With Finned Tubular Element <small>(23 82 16 14-0001)</small>		
23 82 16 14-0028 EA 1 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	851.05	104.53
23 82 16 14-0029 EA 2 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	889.32	114.03
23 82 16 14-0030 EA 3 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	909.23	114.03
23 82 16 14-0031 EA 4 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	950.39	125.43
23 82 16 14-0032 EA 5 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,282.80	125.43
23 82 16 14-0033 EA 6 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,314.64	125.43
23 82 16 14-0034 EA 8 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,335.76	139.69
23 82 16 14-0035 EA 9 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,362.15	156.80
23 82 16 14-0036 EA 10 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,380.07	156.80
23 82 16 14-0037 EA 15 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,603.10	179.60
23 82 16 14-0038 EA 20 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,913.60	179.60
23 82 16 14-0039 EA 30 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	2,084.25	209.05
23 82 16 14-0040 EA 40 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	2,818.72	209.05
23 82 19 Fan Coil Units <small>(23 82)</small>		
23 82 19 00-0001 Ceiling Suspended Horizontal Fan Coil Units <small>(23 82 19)</small>		
Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds. Excludes supports.		
23 82 19 00-0002 Horizontal Fan Coil Units With Electric Heating Coil <small>(23 82 19 00-0001)</small>		
23 82 19 00-0003 EA 200 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,684.98	150.02
For 2-Way Valve Instead Of 3-Way, Deduct	-49.94	
23 82 19 00-0004 EA 300 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,853.24	175.03
For 2-Way Valve Instead Of 3-Way, Deduct	-52.47	
23 82 19 00-0005 EA 400 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,051.56	197.26
For 2-Way Valve Instead Of 3-Way, Deduct	-54.70	
23 82 19 00-0006 EA 600 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,380.44	225.97
For 2-Way Valve Instead Of 3-Way, Deduct	-57.59	
23 82 19 00-0007 EA 800 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,674.83	237.08
For 2-Way Valve Instead Of 3-Way, Deduct	-100.62	
23 82 19 00-0008 EA 1,000 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	3,664.85	250.96
For 2-Way Valve Instead Of 3-Way, Deduct	-102.54	
23 82 19 00-0009 EA 1,200 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	4,462.43	272.27
For 2-Way Valve Instead Of 3-Way, Deduct	-105.86	
23 82 19 00-0010 Horizontal Fan Coil Units With Hot Water Heating Coil <small>(23 82 19 00-0001)</small>		
23 82 19 00-0011 EA 200 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	908.98	150.02
For 2-Way Valve Instead Of 3-Way, Deduct	-49.94	
23 82 19 00-0012 EA 300 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,108.89	175.03
For 2-Way Valve Instead Of 3-Way, Deduct	-52.47	
23 82 19 00-0013 EA 400 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,319.25	197.26
For 2-Way Valve Instead Of 3-Way, Deduct	-54.70	
23 82 19 00-0014 EA 600 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,561.25	225.97
For 2-Way Valve Instead Of 3-Way, Deduct	-57.59	
23 82 19 00-0015 EA 800 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,885.78	238.00
For 2-Way Valve Instead Of 3-Way, Deduct	-100.62	
23 82 19 00-0016 EA 1,000 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	3,966.21	250.96
For 2-Way Valve Instead Of 3-Way, Deduct	-102.54	
23 82 19 00-0017 EA 1,200 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	5,035.01	272.27
For 2-Way Valve Instead Of 3-Way, Deduct	-105.86	
23 82 19 00-0018 Floor Mounted Vertical Fan Coil Units <small>(23 82 19)</small>		
Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds.		
23 82 19 00-0019 Vertical Fan Coil Units With Electric Heating Coil <small>(23 82 19 00-0018)</small>		
23 82 19 00-0020 EA 200 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	1,624.71	149.09
For Fan Coil Units Without Cabinet, Deduct	-213.83	
For Thru-Wall Sleeve, Add	114.75	
For 2-Way Valve Instead Of 3-Way, Deduct	-49.94	
23 82 19 00-0021 EA 300 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	1,856.26	175.03
For Fan Coil Units Without Cabinet, Deduct	-243.49	
For Thru-Wall Sleeve, Add	124.89	
For 2-Way Valve Instead Of 3-Way, Deduct	-52.47	
23 82 19 00-0022 EA 400 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	2,202.24	197.26
For Fan Coil Units Without Cabinet, Deduct	-290.93	
For Thru-Wall Sleeve, Add	133.82	
For 2-Way Valve Instead Of 3-Way, Deduct	-54.70	
23 82 19 00-0023 EA 600 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	2,531.12	225.97
For Fan Coil Units Without Cabinet, Deduct	-334.49	
For Thru-Wall Sleeve, Add	145.35	
For 2-Way Valve Instead Of 3-Way, Deduct	-57.59	
23 82 19 00-0024 EA 800 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	2,855.65	238.00
For Fan Coil Units Without Cabinet, Deduct	-380.86	
For Thru-Wall Sleeve, Add	149.98	
For 2-Way Valve Instead Of 3-Way, Deduct	-100.62	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 82 Convection Heating And Cooling Units



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 19 00-0025	EA		1,000 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	3,664.85 -499.67 155.12 -102.54	250.96
23 82 19 00-0026	EA		1,200 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	4,311.75 -592.29 163.95 -105.86	272.27
23 82 19 00-0027			Vertical Fan Coil Units With Hot Water Heating Coil <small>(23 82 19 00-0018)</small>		
23 82 19 00-0028	EA		200 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	1,805.53 -240.96 114.75 -49.94	149.09
23 82 19 00-0029	EA		300 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	2,037.07 -270.61 124.89 -52.47	175.03
23 82 19 00-0030	EA		400 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	2,503.59 -336.13 133.82 -54.70	197.26
23 82 19 00-0031	EA		600 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	2,862.61 -384.22 145.35 -57.59	225.97
23 82 19 00-0032	EA		800 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	3,187.14 -430.58 149.98 -100.62	238.00
23 82 19 00-0033	EA		1,000 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	3,815.53 -522.27 155.12 -102.54	250.96
23 82 19 00-0034	EA		1,200 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	4,462.43 -614.89 163.95 -105.86	272.27
23 82 19 00-0035			Removal And Reinstallation Of Fan Coil Units <small>(23 82 19)</small>		
			Note: Includes storage and cleaning. Excludes supports.		
23 82 19 00-0036	EA		Removal And Reinstallation Of Fan Coil Unit Horizontal Or Vertical.....	393.74	
23 82 29			Radiators <small>(23 82)</small>		
23 82 29 00-0001			Demolish Cast Iron Radiators <small>(23 82 29)</small>		
23 82 29 00-0002	LF		Demolish Cast Iron Radiator.....	28.66	
23 82 29 00-0003	EA		Cap Radiator.....	38.92	
23 82 29 00-0004			Cast Iron Radiator <small>(23 82 29)</small>		
23 82 29 00-0005	EA		19" High Cast Iron Radiator Section, Free Standing..... <i>For Wall Support Bracket, Add</i>	45.94 26.21	
23 82 29 00-0006	EA		25" High Cast Iron Radiator Section, Free Standing..... <i>For Wall Support Bracket, Add</i>	65.77 27.41	
23 82 29 00-0007	EA		30" High Cast Iron Radiator Section, Free Standing.....	76.74	
23 82 29 00-0008	EA		36" High Cast Iron Radiator Section, Free Standing.....	97.05	
23 82 29 00-0009	EA		20" High Cast Iron Radiator Section, Recessed With Grille.....	63.33	
23 82 29 00-0010			Radiator Covers <small>(23 82 29)</small>		
			Note: Includes field cutouts, vent grilles, and insulation backing. To calculate quantity, measure the surface area of front, top and sides.		
23 82 29 00-0011	SF		14 Gauge Stainless Steel Radiator Cover.....	76.67	5.16
23 82 29 00-0012	SF		Primed And Painted, Galvanized Steel Radiator Cover.....	49.03	5.16
23 82 29 00-0013			Radiator Shields <small>(23 82 29)</small>		
23 82 29 00-0014	SF		Stainless Steel Radiator Shield.....	49.33	5.16
23 82 29 00-0015	SF		Primed And Painted, Galvanized Steel Radiator Shield.....	30.02	5.16
23 82 29 00-0016			Remove And Reinstall Radiator <small>(23 82 29)</small>		
			Note: Includes storage and cleaning.		
23 82 29 00-0017	LF		Removal And Reinstallation Of Cast Iron Radiator.....	69.46	
23 82 29 00-0018	LF		Removal And Reinstallation Of Electric Radiator.....	46.30	

23 82 33 Convectors (23 82)



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Decentralized Unitary HVAC Equipment	23 80
Convection Heating And Cooling Units	23 82

23

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0001				Multi-Fin Convectors For Two-Pipe System <small>(23 82 33)</small>		
				Note: Complete with 6-1/4" deep cabinet enclosure.		
23 82 33 00-0002				20" High Multi-Fin Convectors For Two-Pipe System <small>(23 82 33 00-0001)</small>		
23 82 33 00-0003	EA			20" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	422.97	101.87
				For Knob Operated Damper, Add	15.00	
				For Metal Trim Strips, Add	52.31	
				For Snap-On Inlet Grille, Add	40.87	
				For Access Doors Hinged, Add	15.00	
				For Air Chamber, Auto-vent, Add	18.00	
				For 3 Tubes System, Add	94.02	
23 82 33 00-0004	EA			20" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	496.69	111.13
				For Knob Operated Damper, Add	15.00	
				For Metal Trim Strips, Add	56.51	
				For Snap-On Inlet Grille, Add	43.68	
				For Access Doors Hinged, Add	15.00	
				For Air Chamber, Auto-vent, Add	18.00	
				For 3 Tubes System, Add	114.91	
23 82 33 00-0005	EA			20" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	572.15	131.50
				For Knob Operated Damper, Add	15.00	
				For Metal Trim Strips, Add	65.72	
				For Snap-On Inlet Grille, Add	49.81	
				For Access Doors Hinged, Add	15.00	
				For Air Chamber, Auto-vent, Add	18.00	
				For 3 Tubes System, Add	130.58	
23 82 33 00-0006	EA			20" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	684.24	152.80
				For Knob Operated Damper, Add	15.00	
				For Metal Trim Strips, Add	75.45	
				For Snap-On Inlet Grille, Add	56.30	
				For Access Doors Hinged, Add	15.00	
				For Air Chamber, Auto-vent, Add	18.00	
				For 3 Tubes System, Add	158.46	
23 82 33 00-0007	EA			20" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	816.18	183.36
				For Knob Operated Damper, Add	15.00	
				For Metal Trim Strips, Add	89.33	
				For Snap-On Inlet Grille, Add	65.55	
				For Access Doors Hinged, Add	15.00	
				For Air Chamber, Auto-vent, Add	18.00	
				For 3 Tubes System, Add	188.44	
23 82 33 00-0008	EA			20" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	917.35	201.70
				For Knob Operated Damper, Add	15.00	
				For Metal Trim Strips, Add	97.66	
				For Snap-On Inlet Grille, Add	71.10	
				For Access Doors Hinged, Add	15.00	
				For Air Chamber, Auto-vent, Add	18.00	
				For 3 Tubes System, Add	214.14	
23 82 33 00-0009	EA			20" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,067.80	244.48
				For Knob Operated Damper, Add	15.00	
				For Metal Trim Strips, Add	117.09	
				For Snap-On Inlet Grille, Add	84.06	
				For Access Doors Hinged, Add	15.00	
				For Air Chamber, Auto-vent, Add	18.00	
				For 3 Tubes System, Add	244.12	
23 82 33 00-0010	EA			20" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,164.39	259.77
				For Knob Operated Damper, Add	15.00	
				For Metal Trim Strips, Add	124.04	
				For Snap-On Inlet Grille, Add	88.70	
				For Access Doors Hinged, Add	15.00	
				For Air Chamber, Auto-vent, Add	18.00	
				For 3 Tubes System, Add	269.82	
23 82 33 00-0011	EA			20" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,271.83	290.33
				For Knob Operated Damper, Add	15.00	
				For Metal Trim Strips, Add	137.92	
				For Snap-On Inlet Grille, Add	97.95	
				For Access Doors Hinged, Add	15.00	
				For Air Chamber, Auto-vent, Add	18.00	
				For 3 Tubes System, Add	291.23	
23 82 33 00-0012	EA			20" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,403.82	320.88
				For Knob Operated Damper, Add	15.00	
				For Metal Trim Strips, Add	151.82	
				For Snap-On Inlet Grille, Add	107.22	
				For Access Doors Hinged, Add	15.00	
				For Air Chamber, Auto-vent, Add	18.00	
				For 3 Tubes System, Add	321.21	
23 82 33 00-0013	EA			20" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,511.28	351.44
				For Knob Operated Damper, Add	15.00	
				For Metal Trim Strips, Add	165.71	
				For Snap-On Inlet Grille, Add	116.47	
				For Access Doors Hinged, Add	15.00	
				For Air Chamber, Auto-vent, Add	18.00	
				For 3 Tubes System, Add	342.63	
23 82 33 00-0014				26" High Multi-Fin Convectors For Two-Pipe System <small>(23 82 33 00-0001)</small>		

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 82 Convection Heating And Cooling Units



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0015	EA		26" High x 2' Long Multi-Fin Convactor, 2-Pipe System With 6-1/4" Deep Cabinet	499.44	134.00
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	66.29	
			<i>For Snap-On Inlet Grille, Add</i>	50.19	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	104.46	
23 82 33 00-0016	EA		26" High x 3' Long Multi-Fin Convactor, 2-Pipe System With 6-1/4" Deep Cabinet	586.12	155.68
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	76.01	
			<i>For Snap-On Inlet Grille, Add</i>	56.68	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	123.46	
23 82 33 00-0017	EA		26" High x 4' Long Multi-Fin Convactor, 2-Pipe System With 6-1/4" Deep Cabinet	708.13	182.81
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	88.20	
			<i>For Snap-On Inlet Grille, Add</i>	64.80	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	151.95	
23 82 33 00-0018	EA		26" High x 6' Long Multi-Fin Convactor, 2-Pipe System With 6-1/4" Deep Cabinet	828.17	203.83
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	97.63	
			<i>For Snap-On Inlet Grille, Add</i>	71.09	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	182.96	
23 82 33 00-0019	EA		26" High x 8' Long Multi-Fin Convactor, 2-Pipe System With 6-1/4" Deep Cabinet	965.13	229.21
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	109.05	
			<i>For Snap-On Inlet Grille, Add</i>	78.70	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	217.57	
23 82 33 00-0020	EA		26" High x 10' Long Multi-Fin Convactor, 2-Pipe System With 6-1/4" Deep Cabinet	1,078.60	248.28
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	117.66	
			<i>For Snap-On Inlet Grille, Add</i>	84.44	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	247.24	
23 82 33 00-0021	EA		26" High x 12' Long Multi-Fin Convactor, 2-Pipe System With 6-1/4" Deep Cabinet	1,230.09	282.91
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	133.44	
			<i>For Snap-On Inlet Grille, Add</i>	94.96	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	281.85	
23 82 33 00-0022	EA		26" High x 14' Long Multi-Fin Convactor, 2-Pipe System With 6-1/4" Deep Cabinet	1,340.47	300.23
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	141.13	
			<i>For Snap-On Inlet Grille, Add</i>	100.08	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	311.52	
23 82 33 00-0023	EA		26" High x 16' Long Multi-Fin Convactor, 2-Pipe System With 6-1/4" Deep Cabinet	1,451.20	327.37
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	153.15	
			<i>For Snap-On Inlet Grille, Add</i>	108.10	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	336.24	
23 82 33 00-0024	EA		26" High x 18' Long Multi-Fin Convactor, 2-Pipe System With 6-1/4" Deep Cabinet	1,590.60	353.95
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	165.30	
			<i>For Snap-On Inlet Grille, Add</i>	116.20	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	370.86	
23 82 33 00-0025	EA		26" High x 20' Long Multi-Fin Convactor, 2-Pipe System With 6-1/4" Deep Cabinet	1,697.68	378.30
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	176.24	
			<i>For Snap-On Inlet Grille, Add</i>	123.49	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	395.58	

23 82 33 00-0026 32" High Multi-Fin Convectors For Two-Pipe System (23 82 33 00-0001)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0027 EA 32" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	575.14	162.99
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Metal Trim Strips, Add</i>	80.05	
<i>For Snap-On Inlet Grille, Add</i>	59.37	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For 3 Tubes System, Add</i>	114.91	
23 82 33 00-0028 EA 32" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	686.74	197.26
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Metal Trim Strips, Add</i>	95.62	
<i>For Snap-On Inlet Grille, Add</i>	69.75	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For 3 Tubes System, Add</i>	135.80	
23 82 33 00-0029 EA 32" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	826.75	230.60
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Metal Trim Strips, Add</i>	110.76	
<i>For Snap-On Inlet Grille, Add</i>	79.84	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For 3 Tubes System, Add</i>	167.14	
23 82 33 00-0030 EA 32" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	954.66	250.60
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Metal Trim Strips, Add</i>	119.90	
<i>For Snap-On Inlet Grille, Add</i>	85.93	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For 3 Tubes System, Add</i>	201.25	
23 82 33 00-0031 EA 32" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,093.69	270.79
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Metal Trim Strips, Add</i>	128.97	
<i>For Snap-On Inlet Grille, Add</i>	91.98	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For 3 Tubes System, Add</i>	239.32	
23 82 33 00-0032 EA 32" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,216.76	290.33
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Metal Trim Strips, Add</i>	137.92	
<i>For Snap-On Inlet Grille, Add</i>	97.95	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For 3 Tubes System, Add</i>	271.96	
23 82 33 00-0033 EA 32" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,362.78	314.77
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Metal Trim Strips, Add</i>	149.09	
<i>For Snap-On Inlet Grille, Add</i>	105.39	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For 3 Tubes System, Add</i>	310.03	
23 82 33 00-0034 EA 32" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,486.77	334.96
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Metal Trim Strips, Add</i>	158.32	
<i>For Snap-On Inlet Grille, Add</i>	111.54	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For 3 Tubes System, Add</i>	342.67	
23 82 33 00-0035 EA 32" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,597.81	357.56
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Metal Trim Strips, Add</i>	168.32	
<i>For Snap-On Inlet Grille, Add</i>	118.21	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For 3 Tubes System, Add</i>	369.86	
23 82 33 00-0036 EA 32" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,739.89	378.96
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Metal Trim Strips, Add</i>	178.31	
<i>For Snap-On Inlet Grille, Add</i>	124.87	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For 3 Tubes System, Add</i>	407.94	
23 82 33 00-0037 EA 32" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,844.90	397.29
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Metal Trim Strips, Add</i>	186.50	
<i>For Snap-On Inlet Grille, Add</i>	130.33	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For 3 Tubes System, Add</i>	435.13	
23 82 33 00-0038 Electric Convectors, Floor Standing Units <small>(23 82 33)</small>		
23 82 33 00-0039 4" Deep Electric Convectors <small>(23 82 33 00-0038)</small>		
23 82 33 00-0040 EA 38" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units	522.85	102.18
23 82 33 00-0041 EA 50" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units	578.48	102.18

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0042 6" Deep Electric Convector (23 82 33 00-0038)		
23 82 33 00-0043 EA 38" Long x 14" High x 6" Deep Electric Convector, Floor Standing Units.....	604.16	102.18
23 82 33 00-0044 EA 50" Long x 14" High x 6" Deep Electric Convector, Floor Standing Units.....	689.75	102.18
23 82 33 00-0045 EA 62" Long x 20" High x 6" Deep Electric Convector, Floor Standing Units.....	764.64	102.18
23 82 33 00-0046 EA 74" Long x 20" High x 6" Deep Electric Convector, Floor Standing Units.....	882.32	102.18
23 82 36 Finned-Tube Radiation Heaters (23 82)		
23 82 36 00-0001 Electric Baseboard Heating (23 82 36)		
Note: Includes 24 gauge steel enclosure and heating element		
23 82 36 00-0002 Electric Wall Heating 10" Enclosure (23 82 36 00-0001)		
23 82 36 00-0003 LF Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element <250 Watts/FT.....	121.77	56.77
23 82 36 00-0004 LF Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element >= 250 Watts/FT.....	124.34	56.77
23 82 36 00-0005 Electric Wall Heating 16" Enclosure (23 82 36 00-0001)		
23 82 36 00-0006 LF Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element <350 Watts/FT.....	147.45	56.77
23 82 36 00-0007 LF Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element >= 350 Watts/FT.....	153.87	56.77
23 82 36 00-0008 Finned Tube Baseboard Units (23 82 36)		
Note: Complete with steel enclosure. Single heating element.		
23 82 36 00-0009 3/4" IPS Steel Tube With Steel Fins (23 82 36 00-0008)		
23 82 36 00-0010 EA 4' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	279.20	36.12
For 90 Degree Corner, Add	44.95	
For Valve Enclosure, Add	44.95	
For Filler Piece, Add	37.95	
For End Cap, Add	30.72	
For Copper Tube With Aluminum Fins, Add	5.75	
23 82 36 00-0011 EA 6' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	367.16	54.64
For 90 Degree Corner, Add	52.09	
For Valve Enclosure, Add	52.09	
For Filler Piece, Add	45.09	
For End Cap, Add	35.36	
For Copper Tube With Aluminum Fins, Add	8.62	
23 82 36 00-0012 EA 8' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	440.44	72.23
For 90 Degree Corner, Add	56.30	
For Valve Enclosure, Add	56.30	
For Filler Piece, Add	49.30	
For End Cap, Add	38.10	
For Copper Tube With Aluminum Fins, Add	11.49	
23 82 36 00-0013 EA 10' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	548.71	101.12
For 90 Degree Corner, Add	67.79	
For Valve Enclosure, Add	67.79	
For Filler Piece, Add	60.79	
For End Cap, Add	45.56	
For Copper Tube With Aluminum Fins, Add	14.29	
23 82 36 00-0014 EA 12' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	656.52	121.50
For 90 Degree Corner, Add	79.45	
For Valve Enclosure, Add	79.45	
For Filler Piece, Add	72.45	
For End Cap, Add	53.14	
For Copper Tube With Aluminum Fins, Add	17.01	
23 82 36 00-0015 EA 14' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	741.54	129.65
For 90 Degree Corner, Add	84.09	
For Valve Enclosure, Add	84.09	
For Filler Piece, Add	77.09	
For End Cap, Add	56.16	
For Copper Tube With Aluminum Fins, Add	20.41	
23 82 36 00-0016 EA 16' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	817.56	143.27
For 90 Degree Corner, Add	91.87	
For Valve Enclosure, Add	91.87	
For Filler Piece, Add	84.87	
For End Cap, Add	61.21	
For Copper Tube With Aluminum Fins, Add	22.45	
23 82 36 00-0017 EA 18' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	933.11	162.07
For 90 Degree Corner, Add	102.61	
For Valve Enclosure, Add	102.61	
For Filler Piece, Add	95.61	
For End Cap, Add	68.20	
For Copper Tube With Aluminum Fins, Add	25.85	
23 82 36 00-0018 EA 20' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,028.94	178.27
For 90 Degree Corner, Add	111.88	
For Valve Enclosure, Add	111.88	
For Filler Piece, Add	104.88	
For End Cap, Add	74.22	
For Copper Tube With Aluminum Fins, Add	28.58	
23 82 36 00-0019 1" IPS Steel Tube With Steel Fins (23 82 36 00-0008)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0020 EA 4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	323.97	36.12
<i>For 90 Degree Corner, Add</i>	44.95	
<i>For Valve Enclosure, Add</i>	44.95	
<i>For Filler Piece, Add</i>	37.95	
<i>For End Cap, Add</i>	30.72	
<i>For Copper Tube With Aluminum Fins, Add</i>	8.21	
23 82 36 00-0021 EA 6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	434.32	54.64
<i>For 90 Degree Corner, Add</i>	52.09	
<i>For Valve Enclosure, Add</i>	52.09	
<i>For Filler Piece, Add</i>	45.09	
<i>For End Cap, Add</i>	35.36	
<i>For Copper Tube With Aluminum Fins, Add</i>	12.31	
23 82 36 00-0022 EA 8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	529.99	72.23
<i>For 90 Degree Corner, Add</i>	56.30	
<i>For Valve Enclosure, Add</i>	56.30	
<i>For Filler Piece, Add</i>	49.30	
<i>For End Cap, Add</i>	38.10	
<i>For Copper Tube With Aluminum Fins, Add</i>	16.42	
23 82 36 00-0023 EA 10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	660.16	101.12
<i>For 90 Degree Corner, Add</i>	67.81	
<i>For Valve Enclosure, Add</i>	67.81	
<i>For Filler Piece, Add</i>	60.81	
<i>For End Cap, Add</i>	45.58	
<i>For Copper Tube With Aluminum Fins, Add</i>	20.41	
23 82 36 00-0024 EA 12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	788.92	121.50
<i>For 90 Degree Corner, Add</i>	79.42	
<i>For Valve Enclosure, Add</i>	79.42	
<i>For Filler Piece, Add</i>	72.42	
<i>For End Cap, Add</i>	53.12	
<i>For Copper Tube With Aluminum Fins, Add</i>	24.30	
23 82 36 00-0025 EA 14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	900.60	129.65
<i>For 90 Degree Corner, Add</i>	84.09	
<i>For Valve Enclosure, Add</i>	84.09	
<i>For Filler Piece, Add</i>	77.09	
<i>For End Cap, Add</i>	56.16	
<i>For Copper Tube With Aluminum Fins, Add</i>	29.16	
23 82 36 00-0026 EA 16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	992.22	143.27
<i>For 90 Degree Corner, Add</i>	91.81	
<i>For Valve Enclosure, Add</i>	91.81	
<i>For Filler Piece, Add</i>	84.81	
<i>For End Cap, Add</i>	61.18	
<i>For Copper Tube With Aluminum Fins, Add</i>	32.07	
23 82 36 00-0027 EA 18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,134.59	162.07
<i>For 90 Degree Corner, Add</i>	102.61	
<i>For Valve Enclosure, Add</i>	102.61	
<i>For Filler Piece, Add</i>	95.61	
<i>For End Cap, Add</i>	68.20	
<i>For Copper Tube With Aluminum Fins, Add</i>	36.94	
23 82 36 00-0028 EA 20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,251.06	178.27
<i>For 90 Degree Corner, Add</i>	111.77	
<i>For Valve Enclosure, Add</i>	111.77	
<i>For Filler Piece, Add</i>	104.77	
<i>For End Cap, Add</i>	74.15	
<i>For Copper Tube With Aluminum Fins, Add</i>	40.82	
23 82 36 00-0029 1-1/4" IPS Steel Tube With Steel Fins <small>(23 82 36 00-0008)</small>		
23 82 36 00-0030 EA 4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	368.74	36.12
<i>For 90 Degree Corner, Add</i>	44.95	
<i>For Valve Enclosure, Add</i>	44.95	
<i>For Filler Piece, Add</i>	37.95	
<i>For End Cap, Add</i>	30.72	
<i>For Copper Tube With Aluminum Fins, Add</i>	10.67	
23 82 36 00-0031 EA 6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	501.47	54.64
<i>For 90 Degree Corner, Add</i>	52.09	
<i>For Valve Enclosure, Add</i>	52.09	
<i>For Filler Piece, Add</i>	45.09	
<i>For End Cap, Add</i>	35.36	
<i>For Copper Tube With Aluminum Fins, Add</i>	16.01	
23 82 36 00-0032 EA 8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	619.52	72.23
<i>For 90 Degree Corner, Add</i>	56.30	
<i>For Valve Enclosure, Add</i>	56.30	
<i>For Filler Piece, Add</i>	49.30	
<i>For End Cap, Add</i>	38.10	
<i>For Copper Tube With Aluminum Fins, Add</i>	21.34	
23 82 36 00-0033 EA 10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	771.49	101.12
<i>For 90 Degree Corner, Add</i>	67.81	
<i>For Valve Enclosure, Add</i>	67.81	
<i>For Filler Piece, Add</i>	60.81	
<i>For End Cap, Add</i>	45.58	
<i>For Copper Tube With Aluminum Fins, Add</i>	26.53	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 82 Convection Heating And Cooling Units



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0034	EA		12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	921.46	121.50
			<i>For 90 Degree Corner, Add</i>	79.42	
			<i>For Valve Enclosure, Add</i>	79.42	
			<i>For Filler Piece, Add</i>	72.42	
			<i>For End Cap, Add</i>	53.12	
			<i>For Copper Tube With Aluminum Fins, Add</i>	31.59	
23 82 36 00-0035	EA		14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	1,059.65	129.65
			<i>For 90 Degree Corner, Add</i>	84.09	
			<i>For Valve Enclosure, Add</i>	84.09	
			<i>For Filler Piece, Add</i>	77.09	
			<i>For End Cap, Add</i>	56.16	
			<i>For Copper Tube With Aluminum Fins, Add</i>	37.91	
23 82 36 00-0036	EA		16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	1,167.18	143.27
			<i>For 90 Degree Corner, Add</i>	91.81	
			<i>For Valve Enclosure, Add</i>	91.81	
			<i>For Filler Piece, Add</i>	84.81	
			<i>For End Cap, Add</i>	61.18	
			<i>For Copper Tube With Aluminum Fins, Add</i>	41.70	
23 82 36 00-0037	EA		18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	1,336.05	162.07
			<i>For 90 Degree Corner, Add</i>	102.61	
			<i>For Valve Enclosure, Add</i>	102.61	
			<i>For Filler Piece, Add</i>	95.61	
			<i>For End Cap, Add</i>	68.20	
			<i>For Copper Tube With Aluminum Fins, Add</i>	48.02	
23 82 36 00-0038	EA		20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	1,473.73	178.27
			<i>For 90 Degree Corner, Add</i>	111.77	
			<i>For Valve Enclosure, Add</i>	111.77	
			<i>For Filler Piece, Add</i>	104.77	
			<i>For End Cap, Add</i>	74.15	
			<i>For Copper Tube With Aluminum Fins, Add</i>	53.07	

23 82 39 Unit Heaters (23 82)

23 82 39 13 Cabinet Unit Heaters (23 82 39)

23 82 39 13-0001 Electric Cabinet Unit Heaters (23 82 39 13)

Note: Can be mounted on the ceiling, floor or wall. Includes built-in thermostat. 208, 240/208, 277, or 480 Volt.

23 82 39 13-0002 Electric Cabinet Unit Heaters, 35" Cabinet Length (23 82 39 13-0001)

23 82 39 13-0003	EA		2 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	2,596.84	129.01
			Note: Wall or floor mounted.		
23 82 39 13-0004	EA		3 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	2,617.36	129.01
			Note: Wall or floor mounted.		
23 82 39 13-0005	EA		4 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	2,637.89	129.01
			Note: Wall or floor mounted.		
23 82 39 13-0006	EA		5 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	2,658.40	129.01
			Note: Wall or floor mounted.		
23 82 39 13-0007	EA		6 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	2,678.93	129.01
			Note: Wall or floor mounted.		
23 82 39 13-0008	EA		7 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	2,699.46	129.01
			Note: Wall or floor mounted.		
23 82 39 13-0009	EA		8 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	2,720.80	129.01
23 82 39 13-0010	EA		For Ceiling Installation of 35" Cabinet Unit Heater, Add.....	172.36	85.66

23 82 39 13-0011 Electric Cabinet Unit Heaters, 45" Cabinet Length (23 82 39 13-0001)

23 82 39 13-0012	EA		4 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	2,759.26	154.81
			Note: Wall or floor mounted.		
23 82 39 13-0013	EA		6 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	2,800.31	154.81
			Note: Wall or floor mounted.		
23 82 39 13-0014	EA		8 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	2,841.35	154.81
			Note: Wall or floor mounted.		
23 82 39 13-0015	EA		10 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	2,882.41	154.81
			Note: Wall or floor mounted.		
23 82 39 13-0016	EA		12 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	2,923.44	154.81
			Note: Wall or floor mounted.		
23 82 39 13-0017	EA		14 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	2,964.50	154.81
			Note: Wall or floor mounted.		
23 82 39 13-0018	EA		16 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	3,005.54	154.81
			Note: Wall or floor mounted.		
23 82 39 13-0019	EA		For Ceiling Installation of 45" Cabinet Unit Heater, Add.....	206.41	103.20

23 82 39 13-0020 Electric Cabinet Unit Heaters, 58" Cabinet Length (23 82 39 13-0001)

23 82 39 13-0021	EA		6 KW, 750 CFM, 58" Electric Cabinet Unit Heater.....	3,464.22	206.41
			Note: Wall or floor mounted.		
23 82 39 13-0022	EA		8 KW, 750 CFM, 58" Electric Cabinet Unit Heater.....	3,505.26	206.41
			Note: Wall or floor mounted.		
23 82 39 13-0023	EA		10 KW, 750 CFM, 58" Electric Cabinet Unit Heater.....	3,546.31	206.41
			Note: Wall or floor mounted.		
23 82 39 13-0024	EA		12 KW, 750 CFM, 58" Electric Cabinet Unit Heater.....	3,587.35	206.41
			Note: Wall or floor mounted.		
23 82 39 13-0025	EA		14 KW, 750 CFM, 58" Electric Cabinet Unit Heater.....	3,628.40	206.41
			Note: Wall or floor mounted.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 13-0026 EA 16 KW, 750 CFM, 58" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,669.44	206.41
23 82 39 13-0027 EA For Ceiling Installation of 58" Cabinet Unit Heater, Add	258.01	129.01
23 82 39 13-0028 Electric Cabinet Unit Heaters, 68" Cabinet Length (23 82 39 13-0001)		
23 82 39 13-0029 EA 6 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,087.08	258.01
23 82 39 13-0030 EA 9 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,148.65	258.01
23 82 39 13-0031 EA 12 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,210.22	258.01
23 82 39 13-0032 EA 15 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,271.78	258.01
23 82 39 13-0033 EA 18 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,333.36	258.01
23 82 39 13-0034 EA 21 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,394.93	258.01
23 82 39 13-0035 EA 24 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,456.49	258.01
23 82 39 13-0036 EA For Ceiling Installation of 68" Cabinet Unit Heater, Add	344.71	172.35
23 82 39 13-0037 Electric Cabinet Unit Heaters, 78" Cabinet Length (23 82 39 13-0001)		
23 82 39 13-0038 EA 8 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,792.02	309.61
23 82 39 13-0039 EA 12 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,874.11	309.61
23 82 39 13-0040 EA 16 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,956.20	309.61
23 82 39 13-0041 EA 20 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	5,038.30	309.61
23 82 39 13-0042 EA 24 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	5,120.39	309.61
23 82 39 13-0043 EA 28 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	5,202.48	309.61
23 82 39 13-0044 EA 32 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	5,284.58	309.61
23 82 39 13-0045 EA For Ceiling Installation of 78" Cabinet Unit Heater, Add	412.82	206.41
23 82 39 13-0046 Removal and Reinstallation of Cabinet Unit Heaters (23 82 39 13)		
Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 13-0047 EA Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Floor or Wall	254.67	
23 82 39 13-0048 EA Removal And Reinstallation Of >58" Cabinet Unit Heater, Floor or Wall.....	439.90	
23 82 39 13-0049 EA Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Ceiling.....	525.08	
23 82 39 13-0050 EA Removal And Reinstallation Of >58" Cabinet Unit Heater, Ceiling	710.30	
23 82 39 16 Propeller Unit Heaters (23 82 39)		
23 82 39 16-0001 Hydronic Unit Heaters Using Steam Or Hot Water (23 82 39 16)		
Note: For use with either steam or heating hot water. Heating output capacities for both are listed.		
23 82 39 16-0002 Horizontal Hydronic Unit Heaters, Fan Propelled, 115 Volt (23 82 39 16-0001)		
23 82 39 16-0003 EA 18 MBH Steam, 13 MBH Hot Water, 395 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	708.25	92.61
23 82 39 16-0004 EA 24 MBH Steam, 17.4 MBH Hot Water, 450 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	709.68	92.61
23 82 39 16-0005 EA 36 MBH Steam, 26.1 MBH Hot Water, 550 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	791.68	92.61
23 82 39 16-0006 EA 48 MBH Steam, 34.8 MBH Hot Water, 750 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	969.64	138.91
23 82 39 16-0007 EA 60 MBH Steam, 43.6 MBH Hot Water, 900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,011.60	138.91
23 82 39 16-0008 EA 72 MBH Steam, 52.3 MBH Hot Water, 1,100 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,074.08	138.91
23 82 39 16-0009 EA 84 MBH Steam, 61 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,289.68	185.21
23 82 39 16-0010 EA 96 MBH Steam, 69.7 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,415.55	185.21
23 82 39 16-0011 EA 108 MBH Steam, 78.4 MBH Hot Water, 2,800 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,495.65	185.21
23 82 39 16-0012 EA 120 MBH Steam, 87.1 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,560.49	185.21
23 82 39 16-0013 EA 132 MBH Steam, 95.8 MBH Hot Water, 2,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,761.81	231.52
23 82 39 16-0014 EA 144 MBH Steam, 104 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,783.75	231.52
23 82 39 16-0015 EA 156 MBH Steam, 113 MBH Hot Water, 2,600 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,804.73	231.52
23 82 39 16-0016 EA 180 MBH Steam, 118 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,923.03	277.82
23 82 39 16-0017 EA 204 MBH Steam, 148 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,087.04	277.82
23 82 39 16-0018 EA 240 MBH Steam, 174 MBH Hot Water, 3,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,381.00	324.13
23 82 39 16-0019 EA 280 MBH Steam, 209.1 MBH Hot Water, 4,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,975.06	324.13
23 82 39 16-0020 EA 300 MBH Steam, 230 MBH Hot Water, 5,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,164.86	370.43
23 82 39 16-0021 EA 360 MBH Steam, 261.3 MBH Hot Water, 5,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,775.15	370.43
23 82 39 16-0022 EA Fan Guard For Fan Propelled Steam Unit Heater, Horizontal..... Note: Required only for unit heaters located within 7' of a working surface.	191.71	23.16
23 82 39 16-0023 Vertical Hydronic Unit Heaters, Fan Propelled, 115 Volt (23 82 39 16-0001)		
23 82 39 16-0024 EA 41.3 MBH Steam, 22.7 MBH Hot Water, 595 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,025.91	92.61
23 82 39 16-0025 EA 65.5 MBH Steam, 39.6 MBH Hot Water, 989 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,071.20	138.91

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 82 Convection Heating And Cooling Units



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 82 39 16-0026	EA		80.6 MBH Steam, 48.4 MBH Hot Water, 1,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,153.69	138.91
23 82 39 16-0027	EA		101.8 MBH Steam, 68.3 MBH Hot Water, 1,490 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,418.42	185.21
23 82 39 16-0028	EA		124.4 MBH Steam, 83.7 MBH Hot Water, 1,790 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,499.46	185.21
23 82 39 16-0029	EA		152 MBH Steam, 105.2 MBH Hot Water, 2,220 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,776.18	277.82
23 82 39 16-0030	EA		173 MBH Steam, 118.6 MBH Hot Water, 2,620 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,900.14	277.82
23 82 39 16-0031	EA		210.2 MBH Steam, 139.7 MBH Hot Water, 3,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,004.09	277.82
23 82 39 16-0032	EA		249.8 MBH Steam, 180.1 MBH Hot Water, 4,180 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,238.90	324.13
23 82 39 16-0033	EA		283.8 MBH Steam, 205.4 MBH Hot Water, 4,430 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,361.92	324.13
23 82 39 16-0034	EA		333.4 MBH Steam, 242.9 MBH Hot Water, 5,210 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,610.80	324.13
23 82 39 16-0035	EA		386 MBH Steam, 280.8 MBH Hot Water, 6,140 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	3,022.88	416.73
23 82 39 16-0036	EA		496 MBH Steam, 368.1 MBH Hot Water, 8,020 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	3,850.58	416.73
23 82 39 16-0037	EA		585 MBH Steam, 431.1 MBH Hot Water, 9,450 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	4,104.23	416.73
23 82 39 16-0038	EA		705 MBH Steam, 519.4 MBH Hot Water, 11,000 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	4,671.72	463.04
23 82 39 16-0039	EA		Fan Guard For Fan Propelled Steam Unit Heater, Vertical.....	262.27	23.16

Note: Required only for unit heaters located within 7' of a working surface.

23 82 39 16-0040 Removal and Reinstallation of Propeller Unit Heaters (23 82 39 16)

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 82 39 16-0041	EA		Removal And Reinstallation Of Up To 120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical.....	555.64	
23 82 39 16-0042	EA		Removal And Reinstallation Of >120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical.....	740.87	

23 82 39 19 Wall and Ceiling Unit Heaters (23 82 39)

23 82 39 19-0001 Electric Unit Heaters (23 82 39 19)

Note: May be mounted both vertically and horizontally.

23 82 39 19-0002	EA		3 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	754.27	103.20
23 82 39 19-0003	EA		5 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	754.27	103.20
23 82 39 19-0004	EA		7.5 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,012.12	129.01
23 82 39 19-0005	EA		10 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,160.57	154.81
23 82 39 19-0006	EA		15 KW, 910 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,694.22	206.41
23 82 39 19-0007	EA		20 KW, 1,320 CFM Electric Unit Heater, 208, 240/208, 277, or 480 Volt.....	2,469.59	258.01
23 82 39 19-0008	EA		30 KW, 2,100 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt	3,410.51	309.61
23 82 39 19-0009	EA		50 KW, 3,000 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt	4,988.88	361.22
23 82 39 19-0010	EA		3 KW, 350 CFM Electric Unit Heater - 480 Volt	932.37	103.20
23 82 39 19-0011	EA		5 KW, 350 CFM Electric Unit Heater - 480 Volt	897.61	103.20
23 82 39 19-0012	EA		7.5 KW, 650 CFM Electric Unit Heater - 480 Volt	1,063.02	129.01
23 82 39 19-0013	EA		10 KW, 650 CFM Electric Unit Heater - 480 Volt	1,226.79	154.81
23 82 39 19-0014	EA		15 KW, 910 CFM Electric Unit Heater - 480 Volt	1,826.67	206.41

23 82 39 19-0015 Electric Ceiling and Wall Heaters (23 82 39 19)

Note: The "r" between wattages indicates two or three speed operation. 120, 240/208 or 277 Volt.

23 82 39 19-0016	EA		1,000, 1,500 Or 2,000 Watt Recessed Electric Wall Heater	315.84	64.50
23 82 39 19-0017	EA		1,500/750 Or 2,000/1,000 Watt Recessed Electric Wall Heater	368.76	72.24
23 82 39 19-0018	EA		3,000, 3,600, 4,000 Or 4,800 Watt Recessed Electric Wall Heater.....	566.90	72.24
23 82 39 19-0019	EA		1,000, 1,500 Or 2,000 Watt Surface Mounted Electric Wall Heater	356.53	64.50
23 82 39 19-0020	EA		1,500/750 Or 2,000/1,000 Watt Surface Mounted Electric Wall Heater	432.98	72.24
23 82 39 19-0021	EA		3,000, 3,600, 4,000 Or 4,800 Watt Surface Mounted Electric Wall Heater	642.34	72.24
23 82 39 19-0022	EA		1,000, 1,500 Or 2,000/1,500 Watt Recessed Electric Ceiling Heater	468.98	85.14
23 82 39 19-0023	EA		3,000, 4,000 Or 4,000/3,000 Watt Recessed Electric Ceiling Heater.....	857.69	90.30
23 82 39 19-0024	EA		4,800/3,600 Watt Recessed Electric Ceiling Heater	962.41	90.30
23 82 39 19-0025	EA		4,000/3,000/2,000 Watt Recessed Or Surface Mounted Electric Ceiling Heater	1,114.89	95.46
23 82 39 19-0026	EA		5,000/3,800/2,500 Watt Recessed Or Surface Mounted Electric Ceiling Heater	1,206.83	95.46
23 82 39 19-0027	EA		1,000, 1,500 Or 2,000/1,500 Watt Surface Mounted Electric Ceiling Heater	523.37	85.14
23 82 39 19-0028	EA		3,000, 4,000 Or 4,000/3,000 Watt Surface Mounted Electric Ceiling Heater	943.37	90.30
23 82 39 19-0029	EA		4,800/3,600 Watt Surface Mounted Electric Ceiling Heater.....	1,048.08	90.30
23 82 39 19-0030	EA		Selectable Wattage (500 Or 750 Or 1000 Or 1,250 Or 1,500 Or 1,750 Or 2,250 Watt), 240 Volt, Surface Mounted, Electric Wall Heater (Markel Series 305 - Model H30522T2DWB)	407.37	64.50

23 82 39 19-0031 Removal And Reinstallation Of Electric Unit Heaters (23 82 39 19)

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 82 39 19-0032	EA		Removal And Reinstallation Of Up To 15KW Electric Unit Heater	333.41	
23 82 39 19-0033	EA		Removal And Reinstallation Of >15 KW Electric Unit Heater.....	685.38	

23 83 Radiant Heating Units (23 80)

23 83 13 Radiant-Heating Electric Cables (23 83)

23 83 13 13 Radiant-Heating Electric Cables (23 83 13)

23 83 13 13-0001 Self Regulating Heating Cable (23 83 13 13)

23 83 13 13-0002	LF		3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable.....	5.39	0.67
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Note: Tinned copper braid, @ 50° F.
For TPE Covering, Add

1.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 83 13 13-0003 LF 5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, @ 50° F. <i>For TPE Covering, Add</i>	5.88 1.13	0.67
23 83 13 13-0004 LF 8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, @ 50° F. <i>For TPE Covering, Add</i>	6.32 1.24	0.67
23 83 13 13-0005 LF 3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, @ 50° F. <i>For TPE Covering, Add</i>	5.54 1.05	0.67
23 83 13 13-0006 LF 5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, @ 50° F. <i>For TPE Covering, Add</i>	6.02 1.17	0.67
23 83 13 13-0007 LF 8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, @ 50° F. <i>For TPE Covering, Add</i>	6.51 1.29	0.67
23 83 13 13-0008 EA Power Connection Kit With Pre-set Thermostat For Self Regulating Low Temperature Heating Cable	211.50	53.15
23 83 13 13-0009 EA Splice And Tee Kit For Self Regulating Low Temperature Heating Cable	211.50	53.15
23 83 13 13-0010 EA End Seal Kit For Self Regulating Low Temperature Heating Cable.....	124.52	9.66
23 83 13 13-0011 EA Ambient Air Sensing Thermostat For Self Regulating Low Temperature Heating Cable	336.47	24.16
23 83 13 13-0012 EA Mechanical Or Electrical Line Sensing Thermostat For Self Regulating Low Temperature Heating Cable	369.20	24.16

23 84 Humidity Control Equipment (23 80)

23 84 13 Humidifiers (23 84)

23 84 13 16 Wetted-Element Humidifiers (23 84 13)

23 84 13 16-0001 Electric Steam Humidifiers, Self-Steam Producing (23 84 13 16) Note: Electronic modulating duct or air handling unit installation 208V-108V with 12"-72" manifolds included.		
23 84 13 16-0002 EA 1-96 LB/Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold.....	7,343.27	381.54
23 84 13 16-0003 EA 20-168 LB/Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold.....	9,268.65	382.47

23 84 13 23 Direct-Steam-Injection Humidifiers (23 84 13)

23 84 13 23-0001 Steam Type Pneumatically Controlled (23 84 13 23) Note: For duct or air handling installation standard unit with integral operator distribution manifold strainer trap and pneumatic modulating valve. Excludes humidistat and piping.		
23 84 13 23-0002 EA 3-191 LB/Hour Steam Humidifier, 24" Manifold, Pneumatic Controls	1,261.44	244.48
<i>For Electrically Controlled Unit, Add</i>	700.00	
<i>For Each Additional Manifold, Add</i>	390.78	
23 84 13 23-0003 EA 3-191 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls	1,261.44	244.48
<i>For Electrically Controlled Unit, Add</i>	700.00	
<i>For Each Additional Manifold, Add</i>	390.78	
23 84 13 23-0004 EA 65-334 LB/Hour Steam Humidifier, 36" Manifold, Pneumatic Controls	1,768.01	244.48
<i>For Electrically Controlled Unit, Add</i>	700.00	
<i>For Each Additional Manifold, Add</i>	542.75	
23 84 13 23-0005 EA 65-334 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls	1,860.62	305.61
<i>For Electrically Controlled Unit, Add</i>	700.00	
<i>For Each Additional Manifold, Add</i>	573.62	
23 84 13 23-0006 EA 100-690 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls	2,600.96	244.48
<i>For Electrically Controlled Unit, Add</i>	700.00	
<i>For Each Additional Manifold, Add</i>	792.64	
23 84 13 23-0007 EA 100-690 LB/Hour Steam Humidifier, 84" Manifold, Pneumatic Controls	2,693.57	305.61
<i>For Electrically Controlled Unit, Add</i>	700.00	
<i>For Each Additional Manifold, Add</i>	823.51	
23 84 13 23-0008 EA 220-2,000 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls	3,995.04	305.61
<i>For Electrically Controlled Unit, Add</i>	700.00	
<i>For Each Additional Manifold, Add</i>	1,213.95	
23 84 13 23-0009 EA 220-2,000 LB/Hour Steam Humidifier, 144" Manifold, Pneumatic Controls	4,110.80	382.47
<i>For Electrically Controlled Unit, Add</i>	700.00	
<i>For Each Additional Manifold, Add</i>	1,252.53	

23 84 13 29 Self-Contained Steam Humidifiers (23 84 13)

23 84 13 29-0001 Residential Humidifiers (23 84 13 29) Note: Includes solenoid valve and flow through water supply.		
23 84 13 29-0002 EA Duct Or Furnace Mounted Humidifier, Residential Type.....	385.44	46.30

23 84 16 Mechanical Dehumidification Units (23 84)

23 84 16 16 Indoor, Mechanical Dehumidification Units (23 84 16)

23 84 16 16-0001 Mechanical Dehumidification Units (23 84 16 16) Note: Sized by moisture removal per 24 hours.		
23 84 16 16-0002 EA 65 Pint Per Day, 160 CFM, 8" Duct Connection, Refrigerant Dehumidifier.....	1,328.98	51.61
23 84 16 16-0003 EA 90 Pint Per Day, 235 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier	1,667.74	60.19
23 84 16 16-0004 EA 120 Pint Per Day, 350 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier	2,224.67	68.80

23 84 16 33 Portable Dehumidifiers (23 84 16)

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 84 Humidity Control Equipment**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 84 16 33-0001		Self Contained Free Standing Unit <small>(23 84 16 33)</small>			
		Note: Sized by moisture removal per 24 hours.			
23 84 16 33-0002	EA	30 Pint/24 Hour Dehumidifier.....	345.54		111.48
23 84 16 33-0003	EA	50 Pint/24 Hour Dehumidifier.....	404.71		111.48
23 84 16 33-0004	EA	70 Pint/24 Hour Dehumidifier.....	440.21		111.48

END OF SECTION 23



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 Electrical

Note: Termination costs are included with all electrical equipment, panel boards, fixtures and devices. Terminations are not included with patch panels.

26 01 Operation and Maintenance of Electrical Systems ⁽²⁶⁾

26 01 10 Operation And Maintenance Of Medium-Voltage Electrical Distribution ^(26 01)

26 01 10 91 Medium-Voltage Electrical Distribution Restoration ^(26 01 10)

See CSI section 26 01 20 00-0000 for test.

26 01 10 91-0001	Retrofit Distribution Enclosures ^(26 01 10 91) Note: Includes removal of equipment housing, punch or drill hole for window, touch-up area, and reinstallation of equipment housing.		
26 01 10 91-0002	EA 2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-2C)	318.92	
	Note: 2mm thick, aluminum frame, hinged cover.		
	For Up To 20, Add	64.90	
	For >20 To 50, Add	51.92	
	For >50 To 100, Add	25.96	
26 01 10 91-0003	EA 3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-3C)	411.96	
	Note: 2mm thick, aluminum frame, hinged cover.		
	For Up To 20, Add	88.16	
	For >20 To 50, Add	70.52	
	For >50 To 100, Add	35.26	
26 01 10 91-0004	EA 4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-4C)	616.65	
	Note: 4mm thick, aluminum frame, hinged cover.		
	For Up To 20, Add	139.33	
	For >20 To 50, Add	111.46	
	For >50 To 100, Add	55.73	
26 01 10 91-0005	EA 3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 1 Rated (Fluke CLKTO)	317.27	
	Note: 2mm thick, aluminum frame, twist cover.		
	For Up To 20, Add	64.23	
	For >20 To 50, Add	51.39	
	For >50 To 100, Add	25.69	
26 01 10 91-0006	EA 2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-2)	317.91	
	Note: 2mm thick, aluminum frame, twist cover.		
	For Up To 20, Add	64.64	
	For >20 To 50, Add	51.71	
	For >50 To 100, Add	25.86	
26 01 10 91-0007	EA 3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-3)	404.38	
	Note: 2mm thick, aluminum frame, twist cover.		
	For Up To 20, Add	86.26	
	For >20 To 50, Add	69.01	
	For >50 To 100, Add	34.50	
26 01 10 91-0008	EA 4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-4)	599.82	
	Note: 4mm thick, aluminum frame, twist cover.		
	For Up To 20, Add	135.12	
	For >20 To 50, Add	108.10	
	For >50 To 100, Add	54.05	
26 01 10 91-0009	EA 2" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VEFR)	251.93	
	Note: 0.25mm thick, composite frame, metal grille reinforced polymer.		
	For Up To 20, Add	48.15	
	For >20 To 50, Add	38.52	
	For >50 To 100, Add	19.26	
26 01 10 91-0010	EA 3" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VEFR)	352.42	
	Note: 0.25mm thick, composite frame, metal grille reinforced polymer.		
	For Up To 20, Add	73.27	
	For >20 To 50, Add	58.62	
	For >50 To 100, Add	29.31	
26 01 10 91-0011	EA 4" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VEFR)	498.95	
	Note: 0.25mm thick, composite frame, metal grille reinforced polymer.		
	For Up To 20, Add	109.90	
	For >20 To 50, Add	87.92	
	For >50 To 100, Add	43.96	
26 01 10 91-0012	EA 2" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	455.47	
	Note: 4mm thick, aluminum frame, magnetic cover.		
	For Up To 20, Add	99.03	
	For >20 To 50, Add	79.23	
	For >50 To 100, Add	39.61	
26 01 10 91-0013	EA 3" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	623.59	
	Note: 4mm thick, aluminum frame, magnetic cover.		
	For Up To 20, Add	141.06	
	For >20 To 50, Add	112.85	
	For >50 To 100, Add	56.43	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 10 Operation And Maintenance Of Medium-Voltage Electrical Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01	10 91-0014	EA	4" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	1,137.06	
			Note: 4mm thick, aluminum frame, magnetic cover.		
			For Up To 20, Add	269.43	
			For >20 To 50, Add	215.54	
			For >50 To 100, Add	107.77	
26 01	10 91-0015	EA	3" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	522.30	
			Note: 4mm thick, aluminum frame, magnetic cover.		
			For Up To 20, Add	115.74	
			For >20 To 50, Add	92.59	
			For >50 To 100, Add	46.30	
26 01	10 91-0016	EA	4" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	765.72	
			Note: 4mm thick, aluminum frame, magnetic cover.		
			For Up To 20, Add	176.60	
			For >20 To 50, Add	141.28	
			For >50 To 100, Add	70.64	

26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution (26 01)

26 01 20 91 Low-Voltage Electrical Distribution Restoration (26 01 20)

26 01 20 91-0001	EA	Lock Out/Tag Out Devices <small>(26 01 20 91)</small> Note: Includes the installation and removal of device lock, pad lock and identifying markers. Includes following OSHA procedures and completing Owner's paperwork. Excludes circuit tracing.	
26 01 20 91-0002	EA	Lock Out/Tag Out Local Disconnect	24.16
26 01 20 91-0003	EA	Lock Out/Tag Out Breaker Or Motor Starter	24.16
26 01 20 91-0004	EA	Lock Out/Tag Out Tags.....	4.17
26 01 20 91-0005	EA	Existing Circuit Tracing <small>(26 01 20 91)</small>	
26 01 20 91-0006	EA	Motors, Disconnects And Other Single Source Devices, Existing Circuit Tracing Per Device	20.11
26 01 20 91-0007	EA	Lighting, Existing Circuit Tracing Per Circuit.....	20.11

26 01 30 Operation And Maintenance Of Facility Electrical Power Generating And Storing Equipment (26 01)

26 01 30 91 Facility Electrical Power Generating And Storing Equipment Restoration (26 01 30)

26 01 30 91-0001	EA	Emergency Generator Permits <small>(26 01 30 91)</small>	
26 01 30 91-0002	EA	Air Pollution Control Board <small>(26 01 30 91-0001)</small>	
26 01 30 91-0003	EA	APCD Permit To Construct And Operate Emergency Generator.....	2,702.54

26 01 50 Operation and Maintenance of Lighting (26 01)

26 01 50 51 Luminaire Relamping (26 01 50)

26 01 50 51-0001	EA	Replace Lamps In Existing Fixtures <small>(26 01 50 51)</small> Note: Includes removal of existing lamp from fixture and installation of new lamp. Excludes disposal of hazardous lamps. See CSI section 26 01 50 51-0367 for disposal of hazardous lamps.	
26 01 50 51-0002	EA	Halogen Lamps <small>(26 01 50 51-0001)</small>	
26 01 50 51-0003	EA	300 Watt, T3, Tungsten Halogen Lamp	37.44
26 01 50 51-0004	EA	500 Watt, T3, Tungsten Halogen Lamp	47.80
26 01 50 51-0005	EA	1,000 Watt, T3, Tungsten Halogen Lamp	70.70
26 01 50 51-0006	EA	60 Watt, PAR38, Halogen Lamp	19.44
26 01 50 51-0007	EA	75 Watt, PAR38, Halogen Lamp	19.44
26 01 50 51-0008	EA	90 Watt, PAR38, Halogen Lamp	18.52
26 01 50 51-0009	EA	100 Watt, PAR38, Halogen Lamp	18.52
26 01 50 51-0010	EA	60 Watt, PAR38, Halogen IR Reflective Lamp	21.02
26 01 50 51-0011	EA	67 Watt, PAR38, Halogen IR Reflective Lamp	22.57
26 01 50 51-0012	EA	70 Watt, PAR38, Halogen IR Reflective Lamp	22.17
26 01 50 51-0013	EA	90 Watt, PAR38, Halogen IR Reflective Lamp	23.35
26 01 50 51-0014	EA	100 Watt, PAR38, Halogen IR Reflective Lamp	23.60
26 01 50 51-0015	EA	12 Watt, 10 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-65-B01-12-830-10)	24.41
26 01 50 51-0016	EA	12 Watt, 20 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-20)	24.41
26 01 50 51-0017	EA	12 Watt, 25 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-25)	27.28
26 01 50 51-0018	EA	12 Watt, 36 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-36)	27.28
26 01 50 51-0019	EA	Incandescent Lamps <small>(26 01 50 51-0001)</small>	
26 01 50 51-0020	EA	100 Watt, Frosted, Interior Incandescent Lamp	5.41
		For Multiple Lamps In Fixture, Deduct	-1.60
26 01 50 51-0021	EA	150 Watt, Frosted, Interior Incandescent Lamp	6.57
		For Multiple Lamps In Fixture, Deduct	-1.60



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0022 EA 200 Watt, Frosted, Interior Incandescent Lamp	7.89	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.60	
26 01 50 51-0023 EA 300 Watt, PS25, Interior Incandescent Lamp	9.54	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.60	
26 01 50 51-0024 EA 60 Watt, G25, Clear, Interior Incandescent Lamp	7.31	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.60	
26 01 50 51-0025 EA 75 Watt, R20, Interior Incandescent Lamp	11.33	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.91	
26 01 50 51-0026 EA 75 Watt, PAR38, Exterior Incandescent Lamp	13.64	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.91	
26 01 50 51-0027 EA 100 Watt, PAR38, Exterior Incandescent Lamp	12.72	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.91	
26 01 50 51-0028 EA 150 Watt, PAR38, Exterior Incandescent Lamp	21.49	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.91	
26 01 50 51-0029 EA 250 Watt, PAR38, Exterior Incandescent Lamp	43.71	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.23	
26 01 50 51-0030 EA 300 Watt, PAR56, Exterior Incandescent Lamp	50.15	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.23	
26 01 50 51-0031 Exit Light Lamps <small>(26 01 50 51-0001)</small>		
26 01 50 51-0032 EA Convert Exit Light Lamps To Red LED Lamps	89.06	
<i>For Green LED Lamps, Add</i>	25.00	
26 01 50 51-0033 EA Fluorescent Lamp For Exit Light	25.13	
<i>For Multiple Lamps In Fixture, Deduct</i>	-6.38	
26 01 50 51-0034 EA Lamp Replacement For Emergency Lights On Exit Sign	30.66	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.19	
26 01 50 51-0035 Fluorescent Lamps <small>(26 01 50 51-0001)</small>		
26 01 50 51-0036 EA 18", 15 Watt, T8 Fluorescent Lamp	9.43	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
26 01 50 51-0037 EA 2', 17 Watt, T8 Fluorescent Lamp	10.89	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
26 01 50 51-0038 EA 3', 25 Watt, T8 Fluorescent Lamp	12.45	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0039 EA 4', 32 Watt, T8 Fluorescent Lamp	12.19	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0040 EA 4', 30 Watt, T8 Fluorescent Lamp	14.97	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0041 EA 4', 28 Watt, T8 Fluorescent Lamp	13.44	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0042 EA 4', 25 Watt, T8 Fluorescent Lamp	13.38	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0043 EA 4', 44 Watt, T8HO Fluorescent Lamp	19.99	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0044 EA 8', 59 Watt, T8 Fluorescent Lamp	15.84	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0045 EA 18", 15 Watt, T12 Fluorescent Lamp	13.11	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
26 01 50 51-0046 EA 2', 20 Watt, T12 Fluorescent Lamp	10.47	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
26 01 50 51-0047 EA 3', 30 Watt, T12 Fluorescent Lamp	11.76	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0048 EA 4', 34 Watt, T12 Fluorescent Lamp	11.81	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0049 EA 4', 40 Watt, T12 Fluorescent Lamp	11.61	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0050 EA 8', 60 Watt, T12 Fluorescent Lamp	16.17	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0051 EA 8', 75 Watt, T12 Fluorescent Lamp	14.05	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0052 EA 8', 95 Watt, Instant Start T12 Fluorescent Lamp	21.43	
26 01 50 51-0053 EA 6" Diameter, 20 Watt, Circular T9 Fluorescent Lamp	13.24	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
26 01 50 51-0054 EA 8" Diameter, 22 Watt, Circular T9 Fluorescent Lamp	11.29	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
26 01 50 51-0055 EA 12" Diameter, 32 Watt, Circular T9 Fluorescent Lamp	10.99	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
26 01 50 51-0056 EA 16" Diameter, 40 Watt, Circular T9 Fluorescent Lamp	11.93	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
26 01 50 51-0057 EA 32 Watt, Rapid Start, U-Shaped T8 Fluorescent Lamp	18.80	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.19	
26 01 50 51-0058 EA 40 Watt, Rapid Start, U-Shaped T12 Fluorescent Lamp	18.22	
<i>For Multiple Lamps In Fixture, Deduct</i>	-3.19	
26 01 50 51-0059 EA 6", 4 Watt, T5 Fluorescent Lamp	10.22	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
26 01 50 51-0060 EA 9", 6 Watt, T5 Fluorescent Lamp	10.09	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
26 01 50 51-0061 EA 12", 8 Watt, T5 Fluorescent Lamp	10.34	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
26 01 50 51-0062 EA 21", 13 Watt, T5 Fluorescent Lamp	10.71	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0063 EA 24", 14 Watt, T5 Fluorescent Lamp	12.01	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
26 01 50 51-0064 EA 34", 21 Watt, T5 Fluorescent Lamp	13.14	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0065 EA 46", 28 Watt, T5 Fluorescent Lamp	12.80	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0066 EA 46", 54 Watt T5HO Fluorescent Lamp	13.77	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.87	
26 01 50 51-0067 EA 46", 54 Watt T5 Fluorescent Lamp	13.29	
26 01 50 51-0068 EA 5-13 Watt, 2-Pin Compact Fluorescent Lamp	7.72	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.60	
26 01 50 51-0069 EA 9-26 Watt, 4-Pin Compact Fluorescent Lamp	8.39	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.60	
26 01 50 51-0070 EA 27-55 Watt, 4-Pin Compact Fluorescent Lamp	15.79	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.60	
26 01 50 51-0071 EA Compact Fluorescent 13 Watt, 4-Pin Lamps CF13DD/E/827, Dulux	20.99	
26 01 50 51-0072 EA Compact Fluorescent 18 Watt, 4-Pin Lamps CF18DD/E/827, Dulux	20.99	
26 01 50 51-0073 EA 32 Watt 2D (DoubleD) Fluorescent Lamp, 4-Pin	36.78	
26 01 50 51-0074 EA 26 Watt (1,600 Lumens) 4-pin Quad Tube PL Lamp	14.22	
26 01 50 51-0075 EA <9 Watt Spiral Compact Fluorescent Lamps, Screw-In	7.78	
26 01 50 51-0076 EA 9-27 Watt Spiral Compact Fluorescent Lamps, Screw-In	6.93	
26 01 50 51-0077 EA 29-32 Watt Spiral Compact Fluorescent Lamps, Screw-In	6.93	
26 01 50 51-0078 EA 33-42 Watt Spiral Compact Fluorescent Lamps, Screw-In	24.79	
26 01 50 51-0079 EA 43-65 Watt Spiral Compact Fluorescent Lamps, Screw-In	26.90	
26 01 50 51-0080 EA 85 Watt Spiral Compact Fluorescent Lamps, Screw-In	49.83	
26 01 50 51-0081 EA 105 Watt Spiral Compact Fluorescent Lamps, Screw-In	59.38	
26 01 50 51-0082 EA 200 Watt Spiral Compact Fluorescent Lamps, Screw-In	61.32	
26 01 50 51-0083 EA 11 Watt Compact Fluorescent Reflector Lamps, Screw-In	23.53	
26 01 50 51-0084 EA 15 Watt Compact Fluorescent Reflector Lamps, Screw-In	24.47	
26 01 50 51-0085 EA 20-28 Watt Compact Fluorescent Reflector Lamps, Screw-In	27.97	
26 01 50 51-0086 Metal Halide Lamps <small>(26 01 50 51-0001)</small>		
26 01 50 51-0087 EA 50 Watt, Pulse Start Metal Halide Lamp	32.45	
26 01 50 51-0088 EA 70 Watt, Pulse Start Metal Halide Lamp	31.25	
26 01 50 51-0089 EA 100 Watt, Pulse Start Metal Halide Lamp	35.04	
26 01 50 51-0090 EA 150 Watt, Pulse Start Metal Halide Lamp	34.18	
26 01 50 51-0091 EA 175 Watt, Pulse Start Metal Halide Lamp	33.93	
26 01 50 51-0092 EA 250 Watt, Pulse Start Metal Halide Lamp	34.10	
26 01 50 51-0093 EA 400 Watt, Pulse Start Metal Halide Lamp	40.13	
26 01 50 51-0094 EA 1,000 Watt, Pulse Start Metal Halide Lamp	45.92	
26 01 50 51-0095 EA 1,500 Watt, Pulse Start Metal Halide Lamp	45.67	
26 01 50 51-0096 High Pressure Sodium Lamps <small>(26 01 50 51-0001)</small>		
26 01 50 51-0097 EA 35 Watt, High Pressure Sodium Lamp	27.57	
<i>For Enclosed And Gasket Light Fixtures, Add</i>	2.46	
26 01 50 51-0098 EA 50 Watt, High Pressure Sodium Lamp	27.57	
<i>For Enclosed And Gasket Light Fixtures, Add</i>	2.46	
26 01 50 51-0099 EA 70 Watt, High Pressure Sodium Lamp	28.09	
<i>For Enclosed And Gasket Light Fixtures, Add</i>	2.46	
26 01 50 51-0100 EA 100 Watt, High Pressure Sodium Lamp	29.07	
<i>For Enclosed And Gasket Light Fixtures, Add</i>	2.46	
26 01 50 51-0101 EA 150 Watt, High Pressure Sodium Lamp	28.09	
<i>For Enclosed And Gasket Light Fixtures, Add</i>	2.46	
26 01 50 51-0102 EA 250 Watt, High Pressure Sodium Lamp	28.09	
<i>For Enclosed And Gasket Light Fixtures, Add</i>	2.46	
26 01 50 51-0103 EA 400 Watt, High Pressure Sodium Lamp	26.62	
<i>For Enclosed And Gasket Light Fixtures, Add</i>	2.46	
26 01 50 51-0104 EA 1,000 Watt, High Pressure Sodium Lamp	56.54	
26 01 50 51-0105 Low Pressure Sodium Lamps <small>(26 01 50 51-0001)</small>		
26 01 50 51-0106 EA 35 Watt, Low Pressure Sodium Lamp	63.05	
26 01 50 51-0107 EA 55 Watt, Low Pressure Sodium Lamp	69.83	
26 01 50 51-0108 EA 70 Watt, Low Pressure Sodium Lamp	71.35	
26 01 50 51-0109 EA 90 Watt, Low Pressure Sodium Lamp	72.88	
26 01 50 51-0110 EA 135 Watt, Low Pressure Sodium Lamp	78.98	
26 01 50 51-0111 EA 180 Watt, Low Pressure Sodium Lamp	106.46	
26 01 50 51-0112 LED Lamps <small>(26 01 50 51-0001)</small>		
26 01 50 51-0113 LED Lamps, Candelabra Base, CA10 <small>(26 01 50 51-0112)</small>		
26 01 50 51-0114 EA 3 Watt (25 Watt Incandescent Equivalent), Candelabra Base, CA10, Dimmable LED Lamp (Energy Star)	10.14	
26 01 50 51-0115 LED Lamps, Medium Base, A19 Or A21 <small>(26 01 50 51-0112)</small>		
26 01 50 51-0116 EA 6 Watt (40 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	12.74	
26 01 50 51-0117 EA 11 Watt (60 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	12.74	
26 01 50 51-0118 EA 14 Watt (75 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	19.70	



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 01 50 51-0119	EA 17 Watt (75 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star)	14.50	
	26 01 50 51-0120	EA 18 Watt (100 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star)	24.05	
26 01 50 51-0121		LED Lamps, Medium Base, BR30 Or BR40 <small>(26 01 50 51-0112)</small>		
	26 01 50 51-0122	EA 9.5 Watt (65 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star)	17.56	
	26 01 50 51-0123	EA 14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star)	16.09	
	26 01 50 51-0124	EA 11 Watt (65 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	20.00	
	26 01 50 51-0125	EA 14.5 Watt (75 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	17.40	
	26 01 50 51-0126	EA 14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	21.74	
	26 01 50 51-0127	EA 18 Watt (90 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	17.40	
26 01 50 51-0128		LED Lamps, Medium Base, PAR <small>(26 01 50 51-0112)</small>		
	26 01 50 51-0129	EA 7 Watt (45 Watt Halogen Equivalent), Medium Base, PAR20, Dimmable LED Lamp (Energy Star)	18.95	
	26 01 50 51-0130	EA 12 Watt (60 Watt Halogen Equivalent), Medium Base, Short Neck Par30, Dimmable LED Lamp (Energy Star)	24.36	
	26 01 50 51-0131	EA 16.3 Watt (65 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	24.36	
	26 01 50 51-0132	EA 15.6 Watt (70 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	23.49	
	26 01 50 51-0133	EA 12 Watt (50 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	22.62	
	26 01 50 51-0134	EA 15 Watt (75 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	22.62	
	26 01 50 51-0135	EA 18 Watt (90 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	40.20	
	26 01 50 51-0136	EA 15 Watt (75 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	24.36	
	26 01 50 51-0137	EA 18 Watt (90 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	23.49	
	26 01 50 51-0138	EA 19 Watt (120 Watt Halogen Equivalent), Medium Base, Par38, Dimmable LED Lamp (Energy Star)	24.36	
	26 01 50 51-0139	EA 24 Watt (120 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	24.36	
26 01 50 51-0140		LED Lamps, GU Base, MR16 <small>(26 01 50 51-0112)</small>		
	26 01 50 51-0141	EA 4 Watt (20 Watt Halogen Equivalent), GU5.3 Base, MR16, LED Lamp (Energy Star)	14.35	
	26 01 50 51-0142	EA 6 Watt (30 Watt Halogen Equivalent), GU10 Base, MR16, Dimmable LED Lamp (Energy Star)	17.56	
	26 01 50 51-0143	EA 8 Watt (50 Watt Halogen Equivalent), GU5.3 Base, MR16, Dimmable LED Lamp (Energy Star)	18.95	
26 01 50 51-0144		LED Lamps, PL Series <small>(26 01 50 51-0112)</small>		
	26 01 50 51-0145	EA 3.5 Watt, 2-Pin CFL G23 Base , Hybrid Lamp (GreenCreative PLS 3.5 HYB G23)	18.37	
	26 01 50 51-0146	EA 26 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/827/DIR)	23.74	
	26 01 50 51-0147	EA 26 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/830/DIR)	19.44	
	26 01 50 51-0148	EA 26 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/835/DIR)	22.13	
	26 01 50 51-0149	EA 26 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/840/DIR)	22.13	
	26 01 50 51-0150	EA 26 Watt, 3000K CCT, High CRI, PL EDGE DIRect Series (Green Creative 10.5PLH/930/DIR)	26.97	
	26 01 50 51-0151	EA 13-18 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/827/DIR)	22.13	
	26 01 50 51-0152	EA 13-18 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/830/DIR)	22.13	
	26 01 50 51-0153	EA 13-18 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/835/DIR)	22.13	
	26 01 50 51-0154	EA 13-18 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/840/DIR)	22.13	
	26 01 50 51-0155	EA 26 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 10PLV/827/DIR)	25.35	
	26 01 50 51-0156	EA 26 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 10PLV/830/DIR)	25.35	
	26 01 50 51-0157	EA 26 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 10PLV/835/DIR)	25.35	
	26 01 50 51-0158	EA 26 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 10PLV/840/DIR)	25.35	
	26 01 50 51-0159	EA 26 Watt, 3000K CCT, High CRI, PL EDGE DIRect Series (Green Creative 11PLV/930/DIR)	23.74	
	26 01 50 51-0160	EA 13-18 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/827/DIR)	23.74	
	26 01 50 51-0161	EA 13-18 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/830/DIR)	23.74	
	26 01 50 51-0162	EA 13-18 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/835/DIR)	24.82	
	26 01 50 51-0163	EA 13-18 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/840/DIR)	24.82	
	26 01 50 51-0164	EA 26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/827/BYP)	25.05	
	26 01 50 51-0165	EA 26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/830/BYP)	25.05	
	26 01 50 51-0166	EA 26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/835/BYP)	25.05	
	26 01 50 51-0167	EA 26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/840/BYP)	25.05	
	26 01 50 51-0168	EA 13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP)	25.89	
	26 01 50 51-0169	EA 13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP)	25.89	
	26 01 50 51-0170	EA 13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/E26)	25.89	
	26 01 50 51-0171	EA 13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/E26)	25.89	
	26 01 50 51-0172	EA 13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/E26)	25.89	
	26 01 50 51-0173	EA 13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/GU24)	25.89	
	26 01 50 51-0174	EA 13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/GU24)	25.89	
	26 01 50 51-0175	EA 13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/GU24)	25.89	
	26 01 50 51-0176	EA 26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/827/BYP)	34.29	
	26 01 50 51-0177	EA 26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/830/BYP)	34.29	
	26 01 50 51-0178	EA 26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/835/BYP)	34.29	
	26 01 50 51-0179	EA 26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/840/BYP)	32.36	
	26 01 50 51-0180	EA 13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 7PLV/835/BYP)	32.36	
	26 01 50 51-0181	EA 13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 7PLV/840/BYP)	32.36	
26 01 50 51-0182		HID LED Lamps, Medium Base E26 <small>(26 01 50 51-0112)</small>		
	26 01 50 51-0183	EA 27 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/840/277V/E26)	69.47	
	26 01 50 51-0184	EA 27 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/850/277V/E26)	69.47	
	26 01 50 51-0185	EA 45 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/840/277V/E26)	89.36	
	26 01 50 51-0186	EA 45 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/850/277V/E26)	89.36	
	26 01 50 51-0187	EA 10 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-3026)	56.34	
	26 01 50 51-0188	EA 10 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-4026)	56.34	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 01 50 51-0189	EA	10 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-5026)	56.34
26 01 50 51-0190	EA	10 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-6026)	56.34
26 01 50 51-0191	EA	15 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-3026)	58.49
26 01 50 51-0192	EA	15 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-4026)	58.49
26 01 50 51-0193	EA	15 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-5026)	58.49
26 01 50 51-0194	EA	15 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-6026)	58.49
26 01 50 51-0195	EA	20 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-3026)	67.10
26 01 50 51-0196	EA	20 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-4026)	67.10
26 01 50 51-0197	EA	20 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-5026)	67.10
26 01 50 51-0198	EA	20 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-6026)	67.10
26 01 50 51-0199	EA	25 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-3026)	77.86
26 01 50 51-0200	EA	25 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-4026)	77.86
26 01 50 51-0201	EA	25 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-5026)	77.86
26 01 50 51-0202	EA	25 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-6026)	77.86
26 01 50 51-0203	EA	30 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-3026)	101.52
26 01 50 51-0204	EA	30 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-4026)	101.52
26 01 50 51-0205	EA	30 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-5026)	101.52
26 01 50 51-0206	EA	30 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-6026)	101.52
26 01 50 51-0207	EA	40 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-3026)	121.96
26 01 50 51-0208	EA	40 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-4026)	121.96
26 01 50 51-0209	EA	40 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-5026)	121.96
26 01 50 51-0210	EA	40 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-6026)	121.96
26 01 50 51-0211	EA	60 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-3026)	135.95
26 01 50 51-0212	EA	60 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-4026)	135.95
26 01 50 51-0213	EA	60 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-5026)	135.95
26 01 50 51-0214	EA	60 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-6026)	135.95
26 01 50 51-0215	EA	80 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-3026)	186.51
26 01 50 51-0216	EA	80 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-4026)	186.51
26 01 50 51-0217	EA	80 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-5026)	186.51
26 01 50 51-0218	EA	80 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-6026)	186.51
26 01 50 51-0219	EA	100 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-3026)	192.97
26 01 50 51-0220	EA	100 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-4026)	192.97
26 01 50 51-0221	EA	100 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-5026)	192.97
26 01 50 51-0222	EA	100 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-6026)	192.97
26 01 50 51-0223	EA	120 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-3026)	230.62
26 01 50 51-0224	EA	120 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-4026)	230.62
26 01 50 51-0225	EA	120 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-5026)	230.62
26 01 50 51-0226	EA	120 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-6026)	230.62
26 01 50 51-0227	EA	150 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-3026)	275.80
26 01 50 51-0228	EA	150 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-4026)	275.80
26 01 50 51-0229	EA	150 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-5026)	275.80
26 01 50 51-0230	EA	150 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-6026)	275.80
26 01 50 51-0231	EA	20 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED20WPT40KMED-G6)	87.18
26 01 50 51-0232	EA	20 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED20WPT50KMED-G6)	94.71
26 01 50 51-0233	EA	27 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED27WPT40KMED-G5)	94.71
26 01 50 51-0234	EA	27 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED27WPT50KMED-G5)	87.18
26 01 50 51-0235	EA	36 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED36WPT40KMED-G5)	110.85
26 01 50 51-0236	EA	36 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED36WPT50KMED-G5)	101.16
26 01 50 51-0237	EA	45 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED45WPT40KMED-G5)	122.68
26 01 50 51-0238	EA	45 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED45WPT50KMED-G5)	121.41
26 01 50 51-0239	EA	54 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED54WPT40KMED-G5)	124.29
26 01 50 51-0240	EA	54 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED54WPT50KMED-G5)	124.29
26 01 50 51-0241	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (EIKO industries LED27WPT40KMED-G7)	73.23
26 01 50 51-0242	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (EIKO industries LED27WPT50KMED-G7)	73.23
26 01 50 51-0243	EA	36 Watt, 4000K CCT, Medium Base E26, LED Lamp (EIKO industries LED36WPT40KMED-G7)	83.18
26 01 50 51-0244	EA	36 Watt, 5000K CCT, Medium Base E26, LED Lamp (EIKO industries LED36WPT50KMED-G7)	83.18
26 01 50 51-0245	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (EIKO industries LED45WPT40KMED-G7)	89.79
26 01 50 51-0246	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (EIKO industries LED45WPT50KMED-G7)	89.79
26 01 50 51-0247	EA	54 Watt, 4000K CCT, Medium Base E26, LED Lamp (EIKO industries LED54WPT40KMED-G7)	99.73
26 01 50 51-0248	EA	54 Watt, 5000K CCT, Medium Base E26, LED Lamp (EIKO industries LED54WPT50KMED-G7)	99.73
26 01 50 51-0249	EA	20 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-20W8-55K-E26)	100.25
26 01 50 51-0250	EA	30 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-30W8-55K-E26)	109.07
26 01 50 51-0251	EA	40 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-40W8-55K-E26)	136.94
26 01 50 51-0252	EA	50 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-50W8-55K-E26)	151.35
26 01 50 51-0253	EA	10 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-10W12-55K-E26)	56.36
26 01 50 51-0254	EA	15 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-15W12-55K-E26)	64.10
26 01 50 51-0255	EA	20 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-20W12-55K-E26)	67.98
26 01 50 51-0256	EA	25 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-25W12-55K-E26)	75.18
26 01 50 51-0257	EA	15 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148015-UNV)	91.45
26 01 50 51-0258	EA	20 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148020-UNV)	108.01
26 01 50 51-0259	EA	25 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148025-UNV)	149.38
26 01 50 51-0260	EA	30 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148030-UNV)	157.66
26 01 50 51-0261	EA	35 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148035-UNV)	170.90
26 01 50 51-0262	EA	40 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148040-UNV)	179.17
26 01 50 51-0263	EA	60 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148060-UNV)	260.28
26 01 50 51-0264	EA	20 Watts, 5000K CCT, 120-277 Volts, E26 (Medium) Base, LED Retrofit Omni-Directional Lamp (HYLITE HL-IOD-20W-E26-50K)	62.16

26 01 50 51-0265 HID LED Lamps, Mogul Base E39 Or EX39 (26 01 50 51-0112)

26 01 50 51-0266	EA	120 Watt, 2700K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/827/277V/EX39)	246.93
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	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0267	EA			120 Watt, 5000K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/850/277V/EX39)	246.93	
26 01 50 51-0268	EA			120 Watt, 5700 CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/857/277V/EX39)	246.93	
26 01 50 51-0269	EA			27 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/830/277V/EX39)	69.47	
26 01 50 51-0270	EA			27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/840/277V/EX39/R)	69.47	
26 01 50 51-0271	EA			27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/850/277V/EX39)	69.47	
26 01 50 51-0272	EA			45 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/830/277V/EX39)	89.36	
26 01 50 51-0273	EA			45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/840/277V/EX39/R)	89.36	
26 01 50 51-0274	EA			45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/850/277V/EX39)	89.36	
26 01 50 51-0275	EA			80 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 80HID/850/277V/EX39)	170.05	
26 01 50 51-0276	EA			80 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-3039)	186.51	
26 01 50 51-0277	EA			80 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-4039)	186.51	
26 01 50 51-0278	EA			80 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-5039)	186.51	
26 01 50 51-0279	EA			80 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-6039)	186.51	
26 01 50 51-0280	EA			100 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-3039)	192.97	
26 01 50 51-0281	EA			100 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-4039)	192.97	
26 01 50 51-0282	EA			100 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-5039)	192.97	
26 01 50 51-0283	EA			100 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-6039)	192.97	
26 01 50 51-0284	EA			120 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-3039)	230.62	
26 01 50 51-0285	EA			120 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-4039)	230.62	
26 01 50 51-0286	EA			120 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-5039)	230.62	
26 01 50 51-0287	EA			120 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-6039)	230.62	
26 01 50 51-0288	EA			150 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-3039)	275.80	
26 01 50 51-0289	EA			150 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-4039)	275.80	
26 01 50 51-0290	EA			150 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-5039)	275.80	
26 01 50 51-0291	EA			150 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-6039)	275.80	
26 01 50 51-0292	EA			27 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT40KMOG-G5)	94.71	
26 01 50 51-0293	EA			27 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT50KMOG-G5)	94.71	
26 01 50 51-0294	EA			36 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT40KMOG-G5)	110.85	
26 01 50 51-0295	EA			36 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT50KMOG-G5)	109.36	
26 01 50 51-0296	EA			45 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT40KMOG-G5)	122.68	
26 01 50 51-0297	EA			45 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT50KMOG-G5)	121.41	
26 01 50 51-0298	EA			54 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT40KMOG-G5)	124.29	
26 01 50 51-0299	EA			54 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT50KMOG-G5)	120.55	
26 01 50 51-0300	EA			100 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED100WPT40KMOG-G5)	266.84	
26 01 50 51-0301	EA			20 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT180/40KMOG-G7)	94.68	
26 01 50 51-0302	EA			20 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT180/50KMOG-G7)	94.68	
26 01 50 51-0303	EA			30 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT180/40KMOG-G7)	108.06	
26 01 50 51-0304	EA			30 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT180/50KMOG-G7)	108.06	
26 01 50 51-0305	EA			40 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT180/40KMOG-G7)	116.11	
26 01 50 51-0306	EA			40 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT180/50KMOG-G7)	116.11	
26 01 50 51-0307	EA			27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT40KMOG-G7)	73.10	
26 01 50 51-0308	EA			27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT50KMOG-G7)	73.10	
26 01 50 51-0309	EA			36 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT40KMOG-G7)	83.18	
26 01 50 51-0310	EA			36 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT50KMOG-G7)	83.18	
26 01 50 51-0311	EA			45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT40KMOG-G7)	89.79	
26 01 50 51-0312	EA			45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT50KMOG-G7)	89.79	
26 01 50 51-0313	EA			54 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT40KMOG-G7)	99.73	
26 01 50 51-0314	EA			54 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT50KMOG-G7)	99.73	
26 01 50 51-0315	EA			65 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-65W8-55K-E39)	183.52	
26 01 50 51-0316	EA			80 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-80W8-55K-E39)	212.99	
26 01 50 51-0317	EA			100 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-100W8-55K-E39)	254.95	
26 01 50 51-0318	EA			120 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-120W8-55K-E39)	502.02	
26 01 50 51-0319	EA			150 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-150W8-55K-E39)	473.80	
26 01 50 51-0320	EA			200 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-200W8-55K-E39)	502.02	
26 01 50 51-0321	EA			250 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-250W8-55K-E39)	504.21	
26 01 50 51-0322	EA			24 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M30-A)	72.60	
26 01 50 51-0323	EA			24 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M40-A)	72.60	
26 01 50 51-0324	EA			24 Watt, 5700K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M57-A)	72.60	
26 01 50 51-0325	EA			100 Watt, Mogul Base E39, LED Area Lamp (MaxLite AR100LED50)	219.75	
26 01 50 51-0326	EA			115 Watt, 4000K CCT, Mogul Base EX39, HID LED Lamp (Keystone KT-LED115HID-V-EX39-840-D)	230.01	
26 01 50 51-0327	EA			40 Watts, 120-277 Volts, 5000K CCT, E39 Base, LED Arc-Cob Lamp (HYLITE HL-AC-40W-E39-50K)	171.13	
26 01 50 51-0328	EA			100 Watts, 480 Volts, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-100W-E39-50K)	202.28	
26 01 50 51-0329	EA			45 Watts, 120-277 Volts, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-45W-E39-50K)	87.06	
26 01 50 51-0330	EA			40 Watt, 5680 Lumens, Mogul Base E39, LED Directional Flood Lamp (HYLITE HL-IDL-40W-E39-50K)	162.41	
26 01 50 51-0331				LED Lamps, 2G11 Base <small>(26 01 50 51-0112)</small>		
26 01 50 51-0332	EA			19 Watt, 1550 Lumens, 3500K, 2G11 Base, Dimmable LED Lamp (Green Creative 14.5PLL/835/DIR)	28.28	
26 01 50 51-0333				LED Lamps, GX23 Base <small>(26 01 50 51-0112)</small>		
26 01 50 51-0334	EA			5 Watt, 580 Lumens, 2 Pin GX23 Base, Dimmable LED Lamp (Lunera HN-H-GX23-U-5W-840-G4)	14.79	
26 01 50 51-0335				LED Lamps, G24 Base <small>(26 01 50 51-0112)</small>		
26 01 50 51-0336	EA			5.5 Watt, 500 Lumens, G24 Base, LED Lamp (Green Creative 5.5PLH/835/DIR/R)	18.70	
26 01 50 51-0337				LED Tubes (Fluorescent Lamp Replacement) <small>(26 01 50 51-0112)</small>		

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0338 EA 2', 1,250 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24IN-4000K)	25.60	
For Multiple Lamps In Fixture, Deduct	-2.55	
26 01 50 51-0339 EA 2', 1,900 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24INU-4000K)	32.62	
For Multiple Lamps In Fixture, Deduct	-2.55	
26 01 50 51-0340 EA 3', 1,900 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-36IN-4000K)	27.54	
For Multiple Lamps In Fixture, Deduct	-2.71	
26 01 50 51-0341 EA 4', 1,900 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-48IN-4000K)	30.07	
For Multiple Lamps In Fixture, Deduct	-2.87	
26 01 50 51-0342 EA 4', 2,200 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2HO-T8-48IN-4000K)	32.70	
For Multiple Lamps In Fixture, Deduct	-2.87	
26 01 50 51-0343 EA 4', 2,539 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02018TBN)	21.51	
For Multiple Lamps In Fixture, Deduct	-2.87	
26 01 50 51-0344 EA 2', 1,348 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02010TBN)	20.55	
For Multiple Lamps In Fixture, Deduct	-2.55	
26 01 50 51-0345 EA 2', 1,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED9T8/L24/FG/835/BF)	18.92	
For Multiple Lamps In Fixture, Deduct	-2.55	
26 01 50 51-0346 EA 3', 1,650 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED12T8/L36/FG/835/BF)	19.35	
For Multiple Lamps In Fixture, Deduct	-2.71	
26 01 50 51-0347 EA 4', 1,700 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED14T8/L48/FG/835/BF)	19.48	
For Multiple Lamps In Fixture, Deduct	-2.87	
26 01 50 51-0348 EA 4', 2,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED17T8/L48/FG/835/BF)	20.11	
For Multiple Lamps In Fixture, Deduct	-2.87	
26 01 50 51-0349 Filament LED Lamps (26 01 50 51-0112)		
26 01 50 51-0350 EA 7.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 7.5FA19DIM/827)	20.85	
26 01 50 51-0351 EA 4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5A19DIM/827/R)	20.85	
26 01 50 51-0352 EA 4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5FA19DIM/827)	19.77	
26 01 50 51-0353 EA 4.5 Watt, 2400 CCT, Amber A19 Filament LED Lamp (Green Creative 4.5FA19DIM/824/A)	19.77	
26 01 50 51-0354 EA 4.5 Watt, 2700K CCT, Clear G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/827)	21.50	
26 01 50 51-0355 EA 4.5 Watt, 2400 CCT, Amber G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/824/A)	21.50	
26 01 50 51-0356 EA 3.5 Watt, 2700K CCT, Clear B10 Candle Filament LED Lamp (Green Creative 3.5FB10DIM/827)	17.62	
26 01 50 51-0357 EA 3.5 Watt, 2700K CCT, Clear B11 Candle Filament LED Lamp (Green Creative 3.5FB11DIM/827/E26)	17.62	
26 01 50 51-0358 EA 3.5 Watt, 2400 CCT, Amber B10 Candle Filament LED Lamp (Green Creative 3.5FBA10DIM/824/FT/A)	18.27	
26 01 50 51-0359 EA 3.5 Watt, 2400 CCT, Amber ST19 Filament LED Lamp (Green Creative 5FST19DIM/824/A)	23.00	
26 01 50 51-0360 Other Lamps (26 01 50 51-0112)		
26 01 50 51-0361 EA 8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 8A19/END/2700 DIM 6/1)	19.60	
26 01 50 51-0362 EA 8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 7A19/2700 DIM)	19.60	
26 01 50 51-0363 EA 11 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 11A19/2700 DIM)	19.60	
26 01 50 51-0364 EA 12 Watt, Medium Base, Dimmable BR40 LED Lamp (Philips 12BR40/F90 2700 DIM AF 6/1)	20.68	
26 01 50 51-0365 EA 13 Watt, Medium Base, Dimmable PAR38 LED Single Optic Lamp (Philips 13PAR38/S15 4000 DIM AF SO 6/1)	20.68	
26 01 50 51-0366 EA 8 Watt, Medium Base, Dimmable PAR20 LED Lamp (Philips 8PAR20/END/F36 3000 DIM 6/1)	20.68	
26 01 50 51-0367 Recycle Hazardous Lamps (26 01 50 51)		
Note: Includes containers, shipping costs and recycling fees. Excludes lamp removal. See CSI section 01 22 23 00-0001 for work over 14' to add appropriate aerial lift.		
26 01 50 51-0368 EA Recycle 2' Length Linear Fluorescent Lamps	0.26	
26 01 50 51-0369 EA Recycle 3' Length Linear Fluorescent Lamps	0.39	
26 01 50 51-0370 EA Recycle 4' Length Linear Fluorescent Lamps	0.52	
26 01 50 51-0371 EA Recycle 6' Length Linear Fluorescent Lamps	0.78	
26 01 50 51-0372 EA Recycle 8' Length Linear Fluorescent Lamps	1.03	
26 01 50 51-0373 EA Recycle Compact Fluorescent Lamps	0.47	
26 01 50 51-0374 EA Recycle U-Shaped Or Circular Fluorescent Lamps	0.47	
26 01 50 51-0375 EA Recycle High Intensity Discharge (HID) Lamps	1.62	
26 01 50 52 Ballasts Replacement (26 01 50)		
26 01 50 52-0001 Owner Supplied Ballasts (26 01 50 52)		
26 01 50 52-0002 EA Install Owner Supplied, 1 Lamp Fluorescent Ballast	19.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.80	
26 01 50 52-0003 EA Install Owner Supplied, 2 Lamp Fluorescent Ballast	24.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.25	
26 01 50 52-0004 EA Install Owner Supplied, 3 Lamp Fluorescent Ballast	28.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.41	
26 01 50 52-0005 EA Install Owner Supplied, 4 Lamp Fluorescent Ballast	29.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.99	
26 01 50 52-0006 EA Install Owner Supplied, 1 Lamp High Intensity Discharge (HID) Ballast	33.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.15	
26 01 50 52-0007 EA Install Owner Supplied, 2 Lamp High Intensity Discharge (HID) Ballast	35.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.73	
26 01 50 52-0008 High Intensity Discharge (HID) Ballasts (26 01 50 52)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0009 Magnetic High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0008)</small>		
26 01 50 52-0010 Core And Coil High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0009)</small>		
26 01 50 52-0011 Metal Halide, Core And Coil High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0010)</small>		
26 01 50 52-0012 EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast 123.89	123.89	24.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.15	
26 01 50 52-0013 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast 126.80	126.80	24.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.15	
26 01 50 52-0014 EA 1 Lamp, 250 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast 126.80	126.80	24.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.15	
26 01 50 52-0015 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast 113.71	113.71	24.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.15	
26 01 50 52-0016 EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast 113.71	113.71	24.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.15	
26 01 50 52-0017 EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast 174.08	174.08	24.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.15	
26 01 50 52-0018 EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast 174.08	174.08	24.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.15	
26 01 50 52-0019 EA 1 Lamp, 1,500 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast 223.03	223.03	24.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.15	
26 01 50 52-0020 EA 1 Lamp, 1,500 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast 247.99	247.99	24.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.15	
26 01 50 52-0021 High Pressure Sodium, Core And Coil High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0010)</small>		
26 01 50 52-0022 EA 1 Lamp, 50 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast 112.38	112.38	24.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.15	
26 01 50 52-0023 EA 1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast 118.89	118.89	24.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.15	
26 01 50 52-0024 EA 1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast 116.08	116.08	24.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.15	
26 01 50 52-0025 EA 1 Lamp, 150 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast 135.65	135.65	24.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.15	
26 01 50 52-0026 EA 1 Lamp, 150 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast 132.86	132.86	24.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.15	
26 01 50 52-0027 EA 1 Lamp, 250 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast 151.02	151.02	24.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.15	
26 01 50 52-0028 EA 1 Lamp, 250 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast 151.02	151.02	24.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.15	
26 01 50 52-0029 EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast 181.23	181.23	24.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.15	
26 01 50 52-0030 EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast 181.23	181.23	24.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.15	
26 01 50 52-0031 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast 287.23	287.23	24.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.15	
26 01 50 52-0032 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast 287.23	287.23	24.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.15	
26 01 50 52-0033 Mounting Brackets For Core And Coil High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0010)</small>		
26 01 50 52-0034 EA Single Mounting Bracket For Core And Coil Type 11.74	11.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.90	
26 01 50 52-0035 EA Double Mounting Bracket For Core And Coil Type 18.68	18.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.35	
26 01 50 52-0036 F-Can High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0009)</small>		
26 01 50 52-0037 Metal Halide, F-Can High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0036)</small>		
26 01 50 52-0038 EA 1 Lamp, 70 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast 155.97	155.97	24.16
For Pulse Start Ballast, Add	12.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.15	
26 01 50 52-0039 EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast 164.04	164.04	24.16
For Pulse Start Ballast, Add	13.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.15	
26 01 50 52-0040 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast 149.85	149.85	24.16
For Pulse Start Ballast, Add	11.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.15	
26 01 50 52-0041 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast 173.18	173.18	24.16
For Pulse Start Ballast, Add	13.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.15	
26 01 50 52-0042 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast 238.56	238.56	24.16
For Pulse Start Ballast, Add	20.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.15	
26 01 50 52-0043 High Pressure Sodium, F-Can High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0036)</small>		
26 01 50 52-0044 EA 1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast 186.58	186.58	24.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.15	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0045 EA 1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	199.18 10.15	24.16
26 01 50 52-0046 Postline High Intensity Discharge (HID) Ballasts (26 01 50 52-0009)		
26 01 50 52-0047 Metal Halide, Postline High Intensity Discharge (HID) Ballasts (26 01 50 52-0046)		
26 01 50 52-0048 EA 1 Lamp, 50 Watt Metal Halide, 120 Volt, Postline High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	307.32 10.15	24.16
26 01 50 52-0049 High Pressure Sodium, Postline High Intensity Discharge (HID) Ballasts (26 01 50 52-0046)		
26 01 50 52-0050 EA 1 Lamp, 70 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	470.89 10.15	24.16
26 01 50 52-0051 EA 1 Lamp, 100 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	524.58 10.15	24.16
26 01 50 52-0052 EA 1 Lamp, 150 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	506.01 10.15	24.16
26 01 50 52-0053 Indoor Enclosed High Intensity Discharge (HID) Ballasts (26 01 50 52-0009)		
26 01 50 52-0054 Metal Halide, Indoor Enclosed High Intensity Discharge (HID) Ballasts (26 01 50 52-0053)		
26 01 50 52-0055 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	377.25 10.15	24.16
26 01 50 52-0056 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	427.52 10.15	24.16
26 01 50 52-0057 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	563.10 10.15	24.16
26 01 50 52-0058 EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	560.19 10.15	24.16
26 01 50 52-0059 EA 2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	783.19 10.73	26.10
26 01 50 52-0060 EA 2 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	783.19 10.73	26.10
26 01 50 52-0061 EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	540.24 10.15	24.16
26 01 50 52-0062 EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	634.73 10.15	24.16
26 01 50 52-0063 High Pressure Sodium, Indoor Enclosed High Intensity Discharge (HID) Ballasts (26 01 50 52-0053)		
26 01 50 52-0064 EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	699.70 10.15	24.16
26 01 50 52-0065 EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	666.40 10.15	24.16
26 01 50 52-0066 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	855.21 10.15	24.16
26 01 50 52-0067 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	855.21 10.15	24.16
26 01 50 52-0068 Outdoor Weatherproof High Intensity Discharge (HID) Ballasts (26 01 50 52-0009)		
26 01 50 52-0069 Metal Halide, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts (26 01 50 52-0068)		
26 01 50 52-0070 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	423.32 10.15	24.16
26 01 50 52-0071 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	456.87 10.15	24.16
26 01 50 52-0072 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	453.57 10.15	24.16
26 01 50 52-0073 EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	476.05 10.15	24.16
26 01 50 52-0074 EA 2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	753.88 10.73	26.10
26 01 50 52-0075 EA 2 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	925.54 10.73	26.10
26 01 50 52-0076 EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	703.61 10.15	24.16
26 01 50 52-0077 EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	641.02 10.15	24.16
26 01 50 52-0078 High Pressure Sodium, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts (26 01 50 52-0068)		
26 01 50 52-0079 EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	545.08 10.15	24.16



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0080 EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	587.40 10.15	24.16
26 01 50 52-0081 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	874.75 10.15	24.16
26 01 50 52-0082 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	753.34 10.15	24.16
26 01 50 52-0083 Electronic High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0008)</small>		
26 01 50 52-0084 Electronic Low Frequency High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0083)</small>		
26 01 50 52-0085 EA 1 Lamp, 70 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	172.06 10.15	24.16
26 01 50 52-0086 EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	172.06 10.15	24.16
26 01 50 52-0087 EA 1 Lamp, 150 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	193.27 10.15	24.16
26 01 50 52-0088 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	490.52 10.15	24.16
26 01 50 52-0089 EA 1 Lamp, 300 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	490.52 10.15	24.16
26 01 50 52-0090 EA 1 Lamp, 320 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	490.52 10.15	24.16
26 01 50 52-0091 EA 1 Lamp, 350 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	490.52 10.15	24.16
26 01 50 52-0092 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	490.52 10.15	24.16
26 01 50 52-0093 Retrofit Lighting Fixtures <small>(26 01 50 52)</small>		
26 01 50 52-0094 Retrofit Existing Fixtures <small>(26 01 50 52-0093)</small>		
26 01 50 52-0095 LED Lighting Retrofits For Existing Downlight Fixtures (GreenCreative) <small>(26 01 50 52-0094)</small>		
<small>Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0367 for disposal of hazardous lamps.</small>		
26 01 50 52-0096 EA 15 Watt, 7" Round Downlight, 2700K CCT, LED Retrofit (GreenCreative 15SMR7DIM/927)	101.53	
26 01 50 52-0097 EA 15 Watt, 7" Round Downlight, 3000K CCT, LED Retrofit (GreenCreative 15SMR7DIM/930)	101.53	
26 01 50 52-0098 EA 15 Watt, 7" Round Downlight, 4000K CCT, LED Retrofit (GreenCreative 15SMR7DIM/940)	101.53	
26 01 50 52-0099 EA 8.5 Watt, 4" Diameter, 2700K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/827)	81.09	
26 01 50 52-0100 EA 8.5 Watt, 4" Diameter, 3000K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/830)	81.09	
26 01 50 52-0101 EA 8.5 Watt, 4" Diameter, 4000K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/840)	81.09	
26 01 50 52-0102 EA 11.6 Watt, 6" Diameter, 2700K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/827)	89.70	
26 01 50 52-0103 EA 11.6 Watt, 6" Diameter, 3000K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/830)	89.70	
26 01 50 52-0104 EA 11.6 Watt, 6" Diameter, 4000K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/840)	89.70	
26 01 50 52-0105 LED Lighting Retrofits For Existing Site Fixtures (Daylight Technology) <small>(26 01 50 52-0094)</small>		
<small>Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0367 for disposal of hazardous lamps.</small>		
26 01 50 52-0106 EA 23 Watt, 2,300 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-20w)	313.24	
26 01 50 52-0107 EA 33 Watt, 3,300 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-30w)	326.15	
26 01 50 52-0108 EA 44 Watt, 4,400 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-40w)	339.06	
26 01 50 52-0109 EA 54 Watt, 5,400 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-50w)	353.90	
26 01 50 52-0110 EA 65 Watt, 6,500 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-60w)	391.55	
26 01 50 52-0111 EA 75 Watt, 7,600 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-70w)	406.40	
26 01 50 52-0112 EA 86 Watt, 8,600 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-80w)	441.90	
26 01 50 52-0113 EA 96 Watt, 9,600 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-90w)	454.81	
26 01 50 52-0114 EA 107 Watt, 10,700 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-100w)	469.65	
26 01 50 52-0115 EA 117 Watt, 11,700 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-110w)	493.32	
26 01 50 52-0116 EA 128 Watt, 12,800 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-120w)	517.84	
26 01 50 52-0117 EA 138 Watt, 13,800 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-130w)	542.58	
26 01 50 52-0118 EA 149 Watt, 14,900 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-140w)	555.49	
26 01 50 52-0119 EA 161 Watt, 16,100 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-150w)	577.01	
26 01 50 52-0120 EA 172 Watt, 17,200 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-160w)	601.42	
26 01 50 52-0121 EA 182 Watt, 18,200 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-170w)	628.32	
26 01 50 52-0122 EA 193 Watt, 19,300 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-180w)	669.20	
26 01 50 52-0123 EA 203 Watt, 20,300 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-190w)	687.49	
26 01 50 52-0124 EA 214 Watt, 21,400 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-200w)	718.46	
26 01 50 52-0125 EA 224 Watt, 22,400 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-210w)	760.42	
26 01 50 52-0126 EA 235 Watt, 23,500 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-220w)	781.94	
26 01 50 52-0127 EA 245 Watt, 24,500 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-230w)	832.17	
26 01 50 52-0128 EA 256 Watt, 25,600 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-240w)	879.51	
26 01 50 52-0129 EA 266 Watt, 26,600 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-250w)	911.57	
26 01 50 52-0130 EA 277 Watt, 27,700 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-260w)	957.83	
26 01 50 52-0131 EA 287 Watt, 28,700 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-270w)	1,046.90	
26 01 50 52-0132 EA 298 Watt, 29,800 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-280w)	1,057.66	
26 01 50 52-0133 EA 319 Watt, 31,900 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-300w)	1,084.22	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0134			LED Lighting Retrofits For Existing Fixtures (Optilumen) <small>(26 01 50 52-0094)</small> Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0367 for disposal of hazardous lamps.		
26 01 50 52-0135	EA		20 Watt, 1 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT1418M-35)..... Note: Fits 1' x 4" Troffer/Strip	127.93	
26 01 50 52-0136	EA		20 Watt, 1 x 42", 4000L CCT, LED Retrofit Kit (Optilumen RKT1418M-40)..... Note: Fits 1' x 4" Troffer/Strip	127.93	
26 01 50 52-0137	EA		20 Watt, 1 x 42", 5000L CCT, LED Retrofit Kit (Optilumen RKT1418M-50)..... Note: Fits 1' x 4" Troffer/Strip	127.93	
26 01 50 52-0138	EA		30 Watt, 2 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT2415M-35)..... Note: Fits 2' x 4" Troffer/Strip	133.31	
26 01 50 52-0139	EA		30 Watt, 2 x 42", 4000L CCT, LED Retrofit Kit (Optilumen RKT2415M-40)..... Note: Fits 2' x 4" Troffer/Strip	133.31	
26 01 50 52-0140	EA		30 Watt, 2 x 42", 5000L CCT, LED Retrofit Kit (Optilumen RKT2415M-50)..... Note: Fits 2' x 4" Troffer/Strip	133.31	
26 01 50 52-0141	EA		40 Watt, 2 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT2418M-35)..... Note: Fits 2' x 4" Troffer/Strip	144.07	
26 01 50 52-0142	EA		40 Watt, 2 x 42", 4000L CCT, LED Retrofit Kit (Optilumen RKT2418M-40)..... Note: Fits 2' x 4" Troffer/Strip	144.07	
26 01 50 52-0143	EA		40 Watt, 2 x 42", 5000L CCT, LED Retrofit Kit (Optilumen RKT2418M-50)..... Note: Fits 2' x 4" Troffer/Strip	144.07	
26 01 50 52-0144	EA		30 Watt, 3 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT3415M-35)..... Note: Fits 2' x 4" Troffer/Strip	133.31	
26 01 50 52-0145	EA		30 Watt, 3 x 42", 4000L CCT, LED Retrofit Kit (Optilumen RKT3415M-40)..... Note: Fits 2' x 4" Troffer/Strip	133.31	
26 01 50 52-0146	EA		30 Watt, 3 x 42", 5000L CCT, LED Retrofit Kit (Optilumen RKT3415M-50)..... Note: Fits 2' x 4" Troffer/Strip	133.31	
26 01 50 52-0147	EA		40 Watt, 3 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT3418M-35)..... Note: Fits 2' x 4" Troffer/Strip	144.07	
26 01 50 52-0148	EA		40 Watt, 3 x 42", 4000L CCT, LED Retrofit Kit (Optilumen RKT3418M-40)..... Note: Fits 2' x 4" Troffer/Strip	144.07	
26 01 50 52-0149	EA		40 Watt, 3 x 42", 5000L CCT, LED Retrofit Kit (Optilumen RKT3418M-50)..... Note: Fits 2' x 4" Troffer/Strip	144.07	
26 01 50 52-0150	EA		50 Watt, 3 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT3424M-35)..... Note: Fits 2' x 4" Troffer/Strip	165.58	
26 01 50 52-0151	EA		50 Watt, 3 x 42", 4000L CCT, LED Retrofit Kit (Optilumen RKT3424M-40)..... Note: Fits 2' x 4" Troffer/Strip	165.58	
26 01 50 52-0152	EA		50 Watt, 3 x 42", 5000L CCT, LED Retrofit Kit (Optilumen RKT3424M-50)..... Note: Fits 2' x 4" Troffer/Strip	165.58	
26 01 50 52-0153	EA		10 Watt, 1 x 21", 3500L CCT, LED Retrofit Kit (Optilumen RKT1209M-35)..... Note: Fits 1' x 2" Troffer/Strip	127.93	
26 01 50 52-0154	EA		10 Watt, 1 x 21", 4000L CCT, LED Retrofit Kit (Optilumen RKT1209M-40)..... Note: Fits 1' x 2" Troffer/Strip	127.93	
26 01 50 52-0155	EA		10 Watt, 1 x 21", 5000L CCT, LED Retrofit Kit (Optilumen RKT1209M-50)..... Note: Fits 1' x 2" Troffer/Strip	127.93	
26 01 50 52-0156	EA		22 Watt, 2 x 21", 3500L CCT, LED Retrofit Kit (Optilumen RKT2209M-35)..... Note: Fits 2' x 2" Troffer/Strip	127.93	
26 01 50 52-0157	EA		22 Watt, 2 x 21", 4000L CCT, LED Retrofit Kit (Optilumen RKT2209M-40)..... Note: Fits 2' x 2" Troffer/Strip	127.93	
26 01 50 52-0158	EA		22 Watt, 2 x 21", 5000L CCT, LED Retrofit Kit (Optilumen RKT2209M-50)..... Note: Fits 2' x 2" Troffer/Strip	127.93	
26 01 50 52-0159	EA		20 Watt, 3 x 21", 3500L CCT, LED Retrofit Kit (Optilumen RKT3209M-35)..... Note: Fits 2' x 2" Troffer/Strip	133.31	
26 01 50 52-0160	EA		20 Watt, 3 x 21", 4000L CCT, LED Retrofit Kit (Optilumen RKT3209M-40)..... Note: Fits 2' x 2" Troffer/Strip	133.31	
26 01 50 52-0161	EA		20 Watt, 3 x 21", 5000L CCT, LED Retrofit Kit (Optilumen RKT3209M-50)..... Note: Fits 2' x 2" Troffer/Strip	133.31	
26 01 50 52-0162	EA		30 Watt, 3 x 21", 3500L CCT, LED Retrofit Kit (Optilumen RKT3210M-35)..... Note: Fits 2' x 2" Troffer/Strip	139.76	
26 01 50 52-0163	EA		30 Watt, 3 x 21", 4000L CCT, LED Retrofit Kit (Optilumen RKT3210M-40)..... Note: Fits 2' x 2" Troffer/Strip	139.76	
26 01 50 52-0164	EA		30 Watt, 3 x 21", 5000L CCT, LED Retrofit Kit (Optilumen RKT3210M-50)..... Note: Fits 2' x 2" Troffer/Strip	139.76	
26 01 50 52-0165			LED Lighting Retrofits For Existing Lay-In/Troffer Fixtures (LG) <small>(26 01 50 52-0094)</small> Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0367 for disposal of hazardous lamps.		
26 01 50 52-0166	EA		34 Watt, 3,500K CCT, 2' x 4', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X4RT-34-35-4400-R(W)-SN).....	307.67	
26 01 50 52-0167	EA		34 Watt, 4,000K CCT, 2' x 4', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X4RT-34-40-4500-R(W)-SN).....	307.67	
26 01 50 52-0168	EA		26 Watt, 3,500K CCT, 2' x 2', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X2RT-26-35-3400-R(W)-SN).....	276.47	
26 01 50 52-0169	EA		26 Watt, 4,000K CCT, 2' x 2', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X2RT-26-40-3400-R(W)-SN).....	276.47	
26 01 50 52-0170	EA		25 Watt, 3250lm, 3500K Layin Retrofit 2' x 2' Troffer (LG LGE-2X2SI-25-35-3200-RV)..... Note: No sensor, ZigBee ready driver	131.71	
26 01 50 52-0171	EA		25 Watt, 3250lm, 4000K Layin Retrofit 2' x 2' Troffer (LG LGE-2X2SI-25-40-3200-RV)..... Note: No sensor, ZigBee ready driver	131.71	
26 01 50 52-0172	EA		31 Watt, 4050lm, 3500K Layin Retrofit 2' x 4' Troffer (LG LGE-2X2SI-31-35-3200-RV)..... Note: No sensor, ZigBee ready driver	152.15	
26 01 50 52-0173	EA		31 Watt, 4050lm, 4000K Layin Retrofit 2' x 4' Troffer (LG LGE-2X2SI-31-40-3200-RV)..... Note: No sensor, ZigBee ready driver	152.15	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0174	EA			25 Watt, 3250lm, 3500K Layin Retrofit 2' x 2' Troffer With Sensor Connect (LG LGE-2X2SC-25-35-3200-RV)..... 167.21 Note: Factory installed sensor and ZigBee dongle	167.21	
26 01 50 52-0175	EA			25 Watt, 3250lm, 4000K Layin Retrofit 2' x 2' Troffer With Sensor Connect (LG LGE-2X2SC-25-40-3200-RV)..... 167.21 Note: Factory installed sensor and ZigBee dongle	167.21	
26 01 50 52-0176	EA			31 Watt, 3250lm, 3500K Layin Retrofit 2' x 4' Troffer With Sensor Connect (LG LGE-2X2SC-31-35-3200-RV) 172.59 Note: Factory installed sensor and ZigBee dongle	172.59	
26 01 50 52-0177	EA			31 Watt, 3250lm, 4000K Layin Retrofit 2' x 4' Troffer With Sensor Connect (LG LGE-2X2SC-31-40-3200-RV)..... 172.59 Note: Factory installed sensor and ZigBee dongle	172.59	
26 01 50 52-0178	EA			2' x 2' 2-Board, 25 Watt, 3120lm, 3500k Retrofit Board Kits (LG LGE-2BDK-25-35-3120) 100.51 Note: No sensor, ZigBee ready driver	100.51	
26 01 50 52-0179	EA			2' x 2' 2-Board, 25 Watt, 3120lm, 4000k Retrofit Board Kits (LG LGE-2BDK-25-40-3120) 100.51 Note: No sensor, ZigBee ready driver	100.51	
26 01 50 52-0180	EA			2' x 4' 4-Board, 31 Watt, 3120lm, 3500k Retrofit Board Kits (LG LGE-4BDK-31-35-3880) 113.42 Note: No sensor, ZigBee ready driver	113.42	
26 01 50 52-0181	EA			2' x 4' 4-Board, 31 Watt, 3120lm, 4000k Retrofit Board Kits (LG LGE-4BDK-31-40-3880) 113.42 Note: No sensor, ZigBee ready driver	113.42	
26 01 50 52-0182	EA			2' x 2' 2-Board, 25 Watt, 3120lm, 3500k With Lens Retrofit Board Kits (LG LGE-2BDK-25-35-3120-L) 103.73 Note: No sensor, ZigBee ready driver	103.73	
26 01 50 52-0183	EA			2' x 2' 2-Board, 25 Watt, 3120lm, 4000k With Lens Retrofit Board Kits (LG LGE-2BDK-25-40-3120-L) 103.73 Note: No sensor, ZigBee ready driver	103.73	
26 01 50 52-0184	EA			2' x 4' 4-Board, 31 Watt, 3120lm, 3500k With Lens Retrofit Board Kits (LG LGE-4BDK-31-35-3880-L) 116.64 Note: No sensor, ZigBee ready driver	116.64	
26 01 50 52-0185	EA			2' x 4' 4-Board, 31 Watt, 3120lm, 4000k With Lens Retrofit Board Kits (LG LGE-4BDK-31-40-3880-L) 116.64 Note: No sensor, ZigBee ready driver	116.64	
26 01 50 52-0186	EA			6" 16 Watt, 1450lm, 3500k Comm Retrofit Downlight (LG LGE-CRDL-16-35-1450) 102.66 Note: No sensor, ZigBee ready driver	102.66	
26 01 50 52-0187	EA			6" 16 Watt, 1450lm, 4000k Comm Retrofit Downlight (LG LGE-CRDL-16-40-1450) 102.66 Note: No sensor, ZigBee ready driver	102.66	
26 01 50 52-0188	EA			8" 22 Watt, 2000lm, 3500k Comm Retrofit Downlight (LG LGE-CRDL-22-35-2000) 112.34 Note: No sensor, ZigBee ready driver	112.34	
26 01 50 52-0189	EA			8" 22 Watt, 2000lm, 4000k Comm Retrofit Downlight (LG LGE-CRDL-22-40-2000) 112.34 Note: No sensor, ZigBee ready driver	112.34	
26 01 50 52-0190				LED Lighting Retrofit Accessories (LG) <small>(26 01 50 52-0094)</small> See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0367 for disposal of hazardous lamps.		
26 01 50 52-0191	EA			Dongle (LG LGE-DONGLE)..... 15.17	15.17	
26 01 50 52-0192	EA			1-group On/Off/Dim, 2-Button, Wireless Switch (LG LGE-SWITCH-BAT-2B)..... 82.30	82.30	11.02
26 01 50 52-0193	EA			2-group On/Off/Dim, 4-Button, Wireless Switch (LG LGE-SWITCH-BAT-4B) 86.71	86.71	13.23
26 01 50 52-0194	EA			1-group On/Off/Dim, 2-Button, AC Powered Switch (LG LGE-SWITCH-AC-2B) 103.82	103.82	11.02
26 01 50 52-0195	EA			2-group On/Off/Dim, 4-Button, AC Powered Switch (LG LGE-SWITCH-AC-4B) 108.23	108.23	13.23
26 01 50 52-0196	EA			Photo, Motion Sensor With ZigBee Dongle plugin (LG LGE-MULTI-SENSOR) 55.30	55.30	8.82
26 01 50 52-0197	EA			Tube Clip For Multi Sensor (LG LGE-TUBE-CLIP) 22.08	22.08	8.82
26 01 50 52-0198	EA			Ceiling Plate For Multi Sensor (LG LGE-CEILING-PLATE) 23.34	23.34	8.82
26 01 50 52-0199	EA			Wireless Interface Module (LG PIHN-W005A) 54.98 Note: includes dongle	54.98	13.23
26 01 50 52-0200				Retrofit Existing (T12) Fluorescent Fixtures <small>(26 01 50 52-0093)</small> Note: Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 02 84 16 00-0008 for leaking ballast disposal, 26 01 50 51-0367 for hazardous lamp recycling.		
26 01 50 52-0201				Retrofit Existing (T12) Strip Style Fluorescent Fixtures Without Reflector <small>(26 01 50 52-0200)</small> Note: Includes ballast, white reflective ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 52-0202	EA			Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate One 4' (T8) Lamp 70.08 <i>For Specular Ballast Cover, Add</i> 7.25	70.08	
26 01 50 52-0203	EA			Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps 74.22 <i>For Specular Ballast Cover, Add</i> 8.08	74.22	
26 01 50 52-0204	EA			Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps 97.05 <i>For Specular Ballast Cover, Add</i> 12.65	97.05	
26 01 50 52-0205	EA			Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Four 4' (T8) Lamps 110.75 <i>For Specular Ballast Cover, Add</i> 15.39	110.75	
26 01 50 52-0206				Retrofit Existing (T12) Strip Style Fluorescent Fixtures With Reflector <small>(26 01 50 52-0200)</small> Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 52-0207	EA			Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate One 4' (T8) Lamp 73.44 <i>For Specular Reflector, Add</i> 7.92	73.44	
26 01 50 52-0208	EA			Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps 77.98 <i>For Specular Reflector, Add</i> 8.83	77.98	
26 01 50 52-0209	EA			Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps 101.75 <i>For Specular Reflector, Add</i> 13.59	101.75	
26 01 50 52-0210	EA			Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Four 4' (T8) Lamps 127.76 <i>For Specular Reflector, Add</i> 18.79	127.76	
26 01 50 52-0211				Retrofit Existing (T12) Troffer Style Fluorescent Fixtures <small>(26 01 50 52-0200)</small> Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 52-0212	EA			Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate One 4' (T8) Lamps 91.84 <i>For Specular Reflector, Add</i> 9.67	91.84	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0213 EA Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps <i>For Specular Reflector, Add</i>	95.98 10.50	
26 01 50 52-0214 EA Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Two 2' (T8) Lamps <i>For Specular Reflector, Add</i>	96.69 10.64	
26 01 50 52-0215 EA Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Three 2' (T8) Lamps <i>For Specular Reflector, Add</i>	106.64 12.63	
26 01 50 52-0216 EA Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Four 2' (T8) Lamps <i>For Specular Reflector, Add</i>	126.77 16.66	
26 01 50 52-0217 EA Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps <i>For Specular Reflector, Add</i>	100.01 11.30	
26 01 50 52-0218 EA Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Three 4' (T8) Lamps <i>For Specular Reflector, Add</i>	108.92 13.09	
26 01 50 52-0219 EA Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Four 4' (T8) Lamps <i>For Specular Reflector, Add</i>	116.39 14.58	
26 01 50 52-0220 Retrofit Existing Recessed Lay-In/Troffer Fixtures <small>(26 01 50 52-0093)</small>		
26 01 50 52-0221 Fluorescent Volumetric Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Lithonia) <small>(26 01 50 52-0220)</small> Note: Includes removing existing lamps and ballast. Includes installing adaptor frame, volumetric reflectors, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0367 for disposal of hazardous lamps.		
26 01 50 52-0222 EA 2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	187.24	
26 01 50 52-0223 EA 2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	187.24	
26 01 50 52-0224 EA 2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	187.24	
26 01 50 52-0225 EA 2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	206.48	
26 01 50 52-0226 EA 2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	187.24	
26 01 50 52-0227 EA 2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	187.24	
26 01 50 52-0228 EA 2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	187.24	
26 01 50 52-0229 EA 2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	206.48	
26 01 50 52-0230 EA 2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	187.76	
26 01 50 52-0231 EA 2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	187.76	
26 01 50 52-0232 EA 2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	187.76	
26 01 50 52-0233 EA 2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	207.01	
26 01 50 52-0234 EA 2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	187.76	
26 01 50 52-0235 EA 2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	187.76	
26 01 50 52-0236 EA 2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	187.76	
26 01 50 52-0237 EA 2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	207.01	
26 01 50 52-0238 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (PlanLED) <small>(26 01 50 52-0220)</small> Note: Includes adaptor frame, optical system, LEDs and driver. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0367 for disposal of hazardous lamps.		
26 01 50 52-0239 EA 2,400 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-025).....	279.16	
26 01 50 52-0240 EA 4,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-045).....	292.26	
26 01 50 52-0241 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Raffino™) <small>(26 01 50 52-0220)</small> Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0367 for disposal of hazardous lamps.		
26 01 50 52-0242 EA 1,800 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-1800L).....	207.42	
26 01 50 52-0243 EA 2,600 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-2700L).....	212.11	
26 01 50 52-0244 EA 2,200 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-2200L).....	207.42	
26 01 50 52-0245 EA 3,300 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-3300L).....	212.11	
26 01 50 52-0246 EA 3,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-3000L).....	235.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0247 EA 4,150 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-4000L).....	242.55	
26 01 50 52-0248 EA 5,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-5000L).....	258.95	
26 01 50 52-0249 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Orion) <small>(26 01 50 52-0220)</small>		
<small>Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0367 for disposal of hazardous lamps.</small>		
26 01 50 52-0250 EA 3,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-030L-FO-UNV-FDX-840-22-1P-CT-M-ST).....	193.09	
26 01 50 52-0251 EA 3,500 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-035L-FO-UNV-FDX-840-22-1P-CT-M-ST).....	199.63	
26 01 50 52-0252 EA 3,200 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-032L-FO-UNV-FDX-840-24-1P-CT-M-ST).....	201.58	
26 01 50 52-0253 EA 3,800 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-038L-FO-UNV-FDX-840-24-1P-CT-M-ST).....	208.12	
26 01 50 52-0254 EA 2,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1A1UNVFDSX84022MST).....	148.99	
26 01 50 52-0255 EA 4,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1B1UNVFDSX84022MST).....	152.10	
26 01 50 52-0256 EA 3,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1D1UNVFDSX84024MST).....	157.06	
26 01 50 52-0257 EA 4,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1E1UNVFDSX84024MST).....	160.16	
26 01 50 52-0258 EA 6,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1F1UNVFDSX84024MST).....	194.92	
26 01 50 52-0259 EA 8,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (ORION LDRE1G1UNVFDSX84024MST).....	229.67	
26 01 50 52-0260 Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) <small>(26 01 50 52-0220)</small>		
<small>Note: Includes adaptor frame, optical system, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0367 for disposal of hazardous lamps.</small>		
26 01 50 52-0261 EA 1 T5 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	176.70	
26 01 50 52-0262 EA 1 T8 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	133.45	
26 01 50 52-0263 EA 2 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	180.93	
26 01 50 52-0264 EA 2 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	137.63	
26 01 50 52-0265 EA 3 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	188.67	
26 01 50 52-0266 EA 3 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	148.84	
26 01 50 52-0267 EA 1 T5 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	205.95	
26 01 50 52-0268 EA 1 T8 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	162.60	
26 01 50 52-0269 EA 2 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	209.92	
26 01 50 52-0270 EA 2 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	166.58	
26 01 50 52-0271 EA 3 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	217.58	
26 01 50 52-0272 EA 3 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	177.75	
26 01 50 52-0273 LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT) <small>(26 01 50 52-0220)</small>		
<small>Note: Includes removing existing lamps and ballast. Includes installing LED light engine assembly, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0367 for disposal of hazardous lamps.</small>		
26 01 50 52-0274 EA 3,300 Lumens, 2' x 2', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT).....	371.82	
26 01 50 52-0275 EA 4,800 Lumens, 2' x 4', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL4R/RT).....	411.72	
26 01 50 52-0276 Retrofit Existing HID Fixtures <small>(26 01 50 52-0093)</small>		
26 01 50 52-0277 EA Tear Drop LED Retrofit Kit (Holophane LTDRL2 P35S 40K AS BK TDRD 3 P).....	838.14	
26 01 50 53 Lens and Accessory Replacement <small>(26 01 50)</small>		
26 01 50 53-0001 EA Parabolic Aluminum Louver Replacement.....	105.54	
26 01 50 53-0002 EA Visor For Fixtures.....	196.29	

26 Electrical
26 01 Operation and Maintenance of Electrical Systems
26 01 50 Operation and Maintenance of Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 53-0003	EA		Replace Globe On Pole	252.97	
26 01 50 53-0004	EA		Replace Lenses For Flat Top Pole Fixtures	91.44	
26 01 50 53-0005	EA		Replace 1' x 4' Diffuser With Prismatic Acrylic Diffuser, 0.125" Thick	29.08	
26 01 50 53-0006	EA		Replace 2' x 2' Diffuser With Prismatic Acrylic Diffuser, 0.125" Thick	30.64	
26 01 50 53-0007	EA		Replace 2' x 4' Diffuser With Prismatic Acrylic Diffuser, 0.125" Thick	37.44	
26 01 50 53-0008	EA		Replace Slide-On Lampholder	12.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.90	
26 01 50 53-0009	EA		Replace Screw Mount Lampholder	12.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.90	
26 01 50 53-0010	EA		Replace Medium Bi-Pin Lampholder	14.43	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.90	
26 01 50 53-0011	EA		Replace Fixed High Output Lampholder, Recessed, Double Contact Double Pedestal Type	17.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.90	
26 01 50 53-0012	EA		Replace Plunger High Output Lampholder, Recessed, Double Contact Double Pedestal Type	19.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.90	
26 01 50 53-0013	EA		Replace Compact Twin-Tube Lampholder, Snap-in	14.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.90	
26 01 50 53-0014	EA		Replace Exterior Light Globes	51.28	

26 05 Common Work Results For Electrical ⁽²⁶⁾

26 05 13 Medium-Voltage Cables ^(26 05)

26 05 13 16 Medium-Voltage, Single-And Multi-Conductor Cables ^(26 05 13)

26 05 13 16-0001 Wire And Cable ^(26 05 13 16)

Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.

26 05 13 16-0002 5 KV Cable ^(26 05 13 16-0001)

26 05 13 16-0003 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct ^(26 05 13 16-0002)

26 05 13 16-0004	MLF	#6 AWG Cable, XLP, 5 KV, Installed In Duct, Shielded, Single Copper Conductor	2,781.06	748.20
26 05 13 16-0005	MLF	#4 AWG Cable, XLP, 5 KV, Installed In Duct, Shielded, Single Copper Conductor	3,273.46	816.97
26 05 13 16-0006	MLF	#2 AWG Cable, XLP, 5 KV, Installed In Duct, Shielded, Single Copper Conductor	3,892.87	923.04
26 05 13 16-0007	MLF	#1/0 AWG Cable, XLP, 5 KV, Installed In Duct, Shielded, Single Copper Conductor	5,035.34	1,137.22
26 05 13 16-0008	MLF	#2/0 AWG Cable, XLP, 5 KV, Installed In Duct, Shielded, Single Copper Conductor	5,731.20	1,280.61
26 05 13 16-0009	MLF	#3/0 AWG Cable, XLP, 5 KV, Installed In Duct, Shielded, Single Copper Conductor	6,994.05	1,421.45
26 05 13 16-0010	MLF	#4/0 AWG Cable, XLP, 5 KV, Installed In Duct, Shielded, Single Copper Conductor	7,871.75	1,597.14
26 05 13 16-0011	MLF	250 MCM Cable, XLP, 5 KV, Installed In Duct, Shielded, Single Copper Conductor	9,312.58	1,776.89
26 05 13 16-0012	MLF	350 MCM Cable, XLP, 5 KV, Installed In Duct, Shielded, Single Copper Conductor	10,869.30	2,121.57
26 05 13 16-0013	MLF	500 MCM Cable, XLP, 5 KV, Installed In Duct, Shielded, Single Copper Conductor	13,654.92	2,493.85
26 05 13 16-0014	MLF	750 MCM Cable, XLP, 5 KV, Installed In Duct, Shielded, Single Copper Conductor	20,137.38	2,939.27
26 05 13 16-0015	MLF	1,000 MCM Cable, XLP, 5 KV, Installed In Duct, Shielded, Single Copper Conductor	26,624.53	3,384.49

26 05 13 16-0016 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial ^(26 05 13 16-0002)

Note: Excludes excavation.

26 05 13 16-0017	MLF	#6 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	2,687.53	
26 05 13 16-0018	MLF	#4 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	3,007.95	
26 05 13 16-0019	MLF	#2 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	3,362.11	
26 05 13 16-0020	MLF	#1/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	4,144.96	
26 05 13 16-0021	MLF	#2/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	4,482.25	
26 05 13 16-0022	MLF	#3/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	5,568.31	
26 05 13 16-0023	MLF	#4/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	6,006.79	
26 05 13 16-0024	MLF	250 MCM Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	7,178.06	
26 05 13 16-0025	MLF	350 MCM Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	7,966.41	
26 05 13 16-0026	MLF	500 MCM Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	9,905.45	

26 05 13 16-0027 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial) ^(26 05 13 16-0002)

26 05 13 16-0028	MLF	#6 AWG Cable, XLP, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation	2,150.67	471.12
26 05 13 16-0029	MLF	#4 AWG Cable, XLP, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation	2,560.85	505.13
26 05 13 16-0030	MLF	#2 AWG Cable, XLP, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation	3,266.60	638.79
26 05 13 16-0031	MLF	#1/0 AWG Cable, XLP, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation	4,233.50	775.48
26 05 13 16-0032	MLF	#2/0 AWG Cable, XLP, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation	4,925.78	910.34
26 05 13 16-0033	MLF	#3/0 AWG Cable, XLP, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation	6,180.65	1,041.06
26 05 13 16-0034	MLF	#4/0 AWG Cable, XLP, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation	7,058.28	1,207.93
26 05 13 16-0035	MLF	250 MCM Cable, XLP, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation	8,870.42	1,519.65
26 05 13 16-0036	MLF	350 MCM Cable, XLP, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation	10,626.45	1,922.84
26 05 13 16-0037	MLF	500 MCM Cable, XLP, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation	13,779.26	2,415.87

26 05 13 16-0038 5 KV Non-Shielded Single Copper Conductor ^(26 05 13 16-0002)

26 05 13 16-0039	MLF	#1/0 AWG Cable, 5 KV, Non-Shielded, Single Copper Conductor	6,003.76	1,491.06
26 05 13 16-0040	MLF	#3/0 AWG Cable, 5 KV, Non-Shielded, Single Copper Conductor	7,704.32	1,533.92



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0041 MLF #4/0 AWG Cable, 5 KV, Non-Shielded, Single Copper Conductor	8,016.53	1,567.83
26 05 13 16-0042 MLF 350 MCM Cable, 5 KV, Non-Shielded, Single Copper Conductor	9,515.77	1,627.64
26 05 13 16-0043 MLF 500 MCM Cable, 5 KV, Non-Shielded, Single Copper Conductor	13,368.88	1,705.78
26 05 13 16-0044 MLF 750 MCM Cable, 5 KV, Non-Shielded, Single Copper Conductor	20,504.60	2,132.23
26 05 13 16-0045 MLF 1,000 MCM Cable, 5 KV, Non-Shielded, Single Copper Conductor	23,798.85	2,843.00
26 05 13 16-0046 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct <small>(26 05 13 16-0002)</small>		
26 05 13 16-0047 MLF #6 AWG Cable, EPR, 5 KV, Installed In Duct, Shielded, Single Copper Conductor	2,944.98	748.20
26 05 13 16-0048 MLF #4 AWG Cable, EPR, 5 KV, Installed In Duct, Shielded, Single Copper Conductor	3,495.06	816.97
26 05 13 16-0049 MLF #2 AWG Cable, EPR, 5 KV, Installed In Duct, Shielded, Single Copper Conductor	4,178.21	923.04
26 05 13 16-0050 MLF #1 AWG Cable, EPR, 5 KV, Installed In Duct, Shielded, Single Copper Conductor	4,803.94	1,030.08
26 05 13 16-0051 MLF #1/0 AWG Cable, EPR, 5 KV, Installed In Duct, Shielded, Single Copper Conductor	5,429.97	1,137.22
26 05 13 16-0052 MLF #2/0 AWG Cable, EPR, 5 KV, Installed In Duct, Shielded, Single Copper Conductor	6,186.54	1,280.61
26 05 13 16-0053 MLF #3/0 AWG Cable, EPR, 5 KV, Installed In Duct, Shielded, Single Copper Conductor	7,613.31	1,421.45
26 05 13 16-0054 MLF #4/0 AWG Cable, EPR, 5 KV, Installed In Duct, Shielded, Single Copper Conductor	8,569.93	1,597.14
26 05 13 16-0055 MLF 250 MCM Cable, EPR, 5 KV, Installed In Duct, Shielded, Single Copper Conductor	10,189.26	1,776.89
26 05 13 16-0056 MLF 350 MCM Cable, EPR, 5 KV, Installed In Duct, Shielded, Single Copper Conductor	11,871.04	2,121.57
26 05 13 16-0057 MLF 500 MCM Cable, EPR, 5 KV, Installed In Duct, Shielded, Single Copper Conductor	14,990.58	2,493.85
26 05 13 16-0058 MLF 750 MCM Cable, EPR, 5 KV, Installed In Duct, Shielded, Single Copper Conductor	22,439.91	2,939.27
26 05 13 16-0059 MLF 1,000 MCM Cable, EPR, 5 KV, Installed In Duct, Shielded, Single Copper Conductor	29,893.93	3,384.49
26 05 13 16-0060 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial <small>(26 05 13 16-0002)</small>		
<small>Note: Excludes excavation.</small>		
26 05 13 16-0061 MLF #6 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	2,851.45	
26 05 13 16-0062 MLF #4 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	3,229.55	
26 05 13 16-0063 MLF #2 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	3,647.46	
26 05 13 16-0064 MLF #1 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	4,093.93	
26 05 13 16-0065 MLF #1/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	4,539.59	
26 05 13 16-0066 MLF #2/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	4,937.59	
26 05 13 16-0067 MLF #3/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	6,187.57	
26 05 13 16-0068 MLF #4/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	6,704.97	
26 05 13 16-0069 MLF 250 MCM Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	8,054.74	
26 05 13 16-0070 MLF 350 MCM Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	8,968.15	
26 05 13 16-0071 MLF 500 MCM Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	11,241.11	
26 05 13 16-0072 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial) <small>(26 05 13 16-0002)</small>		
26 05 13 16-0073 MLF #6 AWG Cable, EPR, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation	2,314.59	471.12
26 05 13 16-0074 MLF #4 AWG Cable, EPR, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation	2,782.45	505.13
26 05 13 16-0075 MLF #2 AWG Cable, EPR, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation	3,551.94	638.79
26 05 13 16-0076 MLF #1 AWG Cable, EPR, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation	4,088.78	706.63
26 05 13 16-0077 MLF #1/0 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	4,628.13	775.48
26 05 13 16-0078 MLF #2/0 AWG Cable, EPR, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation	5,381.12	910.34
26 05 13 16-0079 MLF #3/0 AWG Cable, EPR, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation	6,799.91	1,041.06
26 05 13 16-0080 MLF #4/0 AWG Cable, EPR, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation	7,756.46	1,207.93
26 05 13 16-0081 MLF 250 MCM Cable, EPR, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation	9,747.10	1,519.65
26 05 13 16-0082 MLF 350 MCM Cable, EPR, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation	11,628.19	1,922.84
26 05 13 16-0083 MLF 500 MCM Cable, EPR, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation	15,114.92	2,415.87
26 05 13 16-0084 15 KV Cable <small>(26 05 13 16-0001)</small>		
26 05 13 16-0085 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable <small>(26 05 13 16-0084)</small>		
26 05 13 16-0086 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct <small>(26 05 13 16-0085)</small>		
26 05 13 16-0087 MLF #4 AWG, XLP, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable	5,796.98	1,491.06
26 05 13 16-0088 MLF #2 AWG, XLP, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable	6,217.94	1,491.06
26 05 13 16-0089 MLF #1 AWG, XLP, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable	6,378.51	1,491.06
26 05 13 16-0090 MLF #1/0 AWG, XLP, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable	6,901.59	1,491.06
26 05 13 16-0091 MLF #2/0 AWG, XLP, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable	7,398.07	1,491.06
26 05 13 16-0092 MLF #3/0 AWG, XLP, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable	8,394.72	1,556.42
26 05 13 16-0093 MLF #4/0 AWG, XLP, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable	8,589.77	1,556.42
26 05 13 16-0094 MLF 250 MCM, XLP, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable	9,831.85	1,627.64
26 05 13 16-0095 MLF 350 MCM, XLP, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable	11,070.91	1,665.80
26 05 13 16-0096 MLF 500 MCM, XLP, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable	13,574.36	1,876.36
26 05 13 16-0097 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial <small>(26 05 13 16-0085)</small>		
<small>Note: Excludes excavation.</small>		
26 05 13 16-0098 MLF #1 AWG, XLP, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable	4,774.59	
26 05 13 16-0099 MLF #1/0 AWG, XLP, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable	5,297.66	

26 Electrical**26 05 Common Work Results For Electrical****26 05 13 Medium-Voltage Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0100 MLF #2/0 AWG, XLP, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,794.14	
26 05 13 16-0101 MLF #3/0 AWG, XLP, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,811.40	
26 05 13 16-0102 MLF #4/0 AWG, XLP, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,006.44	
26 05 13 16-0103 MLF 250 MCM, XLP, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	8,336.94	
26 05 13 16-0104 MLF 350 MCM, XLP, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	9,578.37	
26 05 13 16-0105 MLF 500 MCM, XLP, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	11,868.59	
26 05 13 16-0106 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) <small>(26 05 13 16-0085)</small>		
26 05 13 16-0107 MLF #1 AWG, XLP, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	4,422.27	673.02
26 05 13 16-0108 MLF #1/0 AWG, XLP, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,215.06	775.48
26 05 13 16-0109 MLF #2/0 AWG, XLP, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,066.53	910.34
26 05 13 16-0110 MLF #3/0 AWG, XLP, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,244.10	1,041.06
26 05 13 16-0111 MLF #4/0 AWG, XLP, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,878.29	1,207.93
26 05 13 16-0112 MLF 250 MCM, XLP, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	9,464.20	1,406.19
26 05 13 16-0113 MLF 350 MCM, XLP, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	11,219.41	1,638.57
26 05 13 16-0114 MLF 500 MCM, XLP, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	13,893.53	1,903.35
26 05 13 16-0115 Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable <small>(26 05 13 16-0084)</small>		
26 05 13 16-0116 Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct <small>(26 05 13 16-0115)</small>		
26 05 13 16-0117 MLF #4 AWG, EPR, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,169.46	1,491.06
26 05 13 16-0118 MLF #2 AWG, EPR, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,666.19	1,491.06
26 05 13 16-0119 MLF #1 AWG, EPR, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,855.67	1,491.06
26 05 13 16-0120 MLF #1/0 AWG, EPR, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,472.90	1,491.06
26 05 13 16-0121 MLF #2/0 AWG, EPR, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable.....	8,058.75	1,491.06
26 05 13 16-0122 MLF #3/0 AWG, EPR, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable.....	9,205.40	1,556.42
26 05 13 16-0123 MLF #4/0 AWG, EPR, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable.....	9,435.56	1,556.42
26 05 13 16-0124 MLF 250 MCM, EPR, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable.....	10,869.14	1,627.64
26 05 13 16-0125 MLF 350 MCM, EPR, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable.....	12,314.07	1,665.80
26 05 13 16-0126 MLF 500 MCM, EPR, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable.....	15,173.38	1,876.36
26 05 13 16-0127 Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial <small>(26 05 13 16-0115)</small>		
Note: Excludes excavation.		
26 05 13 16-0128 MLF #1 AWG, EPR, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,251.74	
26 05 13 16-0129 MLF #1/0 AWG, EPR, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,868.97	
26 05 13 16-0130 MLF #2/0 AWG, EPR, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,454.81	
26 05 13 16-0131 MLF #3/0 AWG, EPR, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,622.08	
26 05 13 16-0132 MLF #4/0 AWG, EPR, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,852.23	
26 05 13 16-0133 MLF 250 MCM, EPR, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	9,371.22	
26 05 13 16-0134 MLF 350 MCM, EPR, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	10,814.83	
26 05 13 16-0135 MLF 500 MCM, EPR, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	13,467.61	
26 05 13 16-0136 Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) <small>(26 05 13 16-0115)</small>		
26 05 13 16-0137 MLF #1 AWG, EPR, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	4,899.42	673.02
26 05 13 16-0138 MLF #1/0 AWG, EPR, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,786.37	775.48
26 05 13 16-0139 MLF #2/0 AWG, EPR, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,727.20	910.34
26 05 13 16-0140 MLF #3/0 AWG, EPR, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	8,054.78	1,041.06
26 05 13 16-0141 MLF #4/0 AWG, EPR, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	8,724.08	1,207.93
26 05 13 16-0142 MLF 250 MCM, EPR, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	10,501.49	1,406.19
26 05 13 16-0143 MLF 350 MCM, EPR, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	12,462.56	1,638.57
26 05 13 16-0144 MLF 500 MCM, EPR, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	15,492.55	1,903.35
26 05 13 16-0145 15 KV Non-Shielded Single Copper Conductor <small>(26 05 13 16-0084)</small>		
26 05 13 16-0146 MLF #1/0 AWG Cable, 15 KV, Non-Shielded, Single Copper Conductor.....	8,048.37	1,496.29
26 05 13 16-0147 MLF #3/0 AWG Cable, 15 KV, Non-Shielded, Single Copper Conductor.....	10,301.21	1,567.83
26 05 13 16-0148 MLF 350 MCM Cable, 15 KV, Non-Shielded, Single Copper Conductor.....	13,955.95	1,672.31
26 05 13 16-0149 Shielded, Armored Copper, 15 KV, 3 Conductor Cable <small>(26 05 13 16-0084)</small>		
Note: Laid in cable tray or hung in vertical cable shaft.		
26 05 13 16-0150 Galvanized Steel Interlocked Armor Cable <small>(26 05 13 16-0149)</small>		
26 05 13 16-0151 LF #2 AWG TC 3 Conductor 15 KV Galvanized Armored Shielded, Laid In Cable Tray Or Hung Vertically.....	40.02	11.41
26 05 13 16-0152 LF #1/0 AWG TC 3 Conductor 15 KV Galvanized Armored Shielded, Laid In Cable Tray Or Hung Vertically.....	47.24	12.15
26 05 13 16-0153 Aluminum Interlocked Armor Cable <small>(26 05 13 16-0149)</small>		
26 05 13 16-0154 LF #2 AWG TC 3 Conductor 15 KV Aluminum Armored Shielded, Laid In Cable Tray Or Hung Vertically.....	40.02	11.41
26 05 13 16-0155 LF #1/0 AWG TC 3 Conductor 15 KV Aluminum Armored Shielded, Laid In Cable Tray Or Hung Vertically.....	47.24	12.15



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 05 13 16-0156			Type URD, 15 KV Primary Concentric UD Cable <small>(26 05 13 16-0084)</small> Note: 0.175" XLPE insulation, copper conductor.		
	26 05 13 16-0157	MLF		#4 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor	2,874.05	748.20
	26 05 13 16-0158	MLF		#2 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor	3,399.17	816.97
	26 05 13 16-0159	MLF		#1 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor	4,054.74	923.04
	26 05 13 16-0160	MLF		#1/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor	5,251.65	1,134.13
	26 05 13 16-0161	MLF		#2/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor	5,979.91	1,276.78
	26 05 13 16-0162	MLF		#3/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor	7,345.34	1,421.45
	26 05 13 16-0163	MLF		#4/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor	8,252.92	1,591.18
	26 05 13 16-0164			15 KV, URD Copper Cable, Direct Burial <small>(26 05 13 16-0084)</small>		
	26 05 13 16-0165	MLF		#6 AWG Cable, 3 Conductor, 15 KV, URD Copper Cable, Direct Burial	12,866.72	
	26 05 13 16-0167			Wire Connections <small>(26 05 13 16-0001)</small>		
	26 05 13 16-0168			Medium Voltage Up To 5 KV <small>(26 05 13 16-0167)</small>		
	26 05 13 16-0169			Shielded One Conductor Cable Splice <small>(26 05 13 16-0168)</small>		
	26 05 13 16-0170	EA		#6 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	247.62	96.51
	26 05 13 16-0171	EA		#2 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	296.67	96.51
	26 05 13 16-0172	EA		1/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	296.67	96.51
	26 05 13 16-0173	EA		2/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	325.38	115.80
	26 05 13 16-0174	EA		3/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	325.38	115.80
	26 05 13 16-0175	EA		4/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	325.38	115.80
	26 05 13 16-0176	EA		250 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	363.68	135.10
	26 05 13 16-0177	EA		350 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	363.68	135.10
	26 05 13 16-0178	EA		500 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	363.68	135.10
	26 05 13 16-0179			Cable Termination Without Stress Cone <small>(26 05 13 16-0168)</small>		
	26 05 13 16-0180	EA		#6 To 4/0 AWG Cable Termination Without Stress Cone, Medium Voltage To 5 KV	233.90	115.80
	26 05 13 16-0181	EA		250 To 500 MCM Cable Termination Without Stress Cone, Medium Voltage To 5 KV	276.42	135.10
	26 05 13 16-0182			Cable Termination With Stress Cone <small>(26 05 13 16-0168)</small>		
	26 05 13 16-0183	EA		#6 To 4/0 AWG Cable Termination With Stress Cone, Medium Voltage To 5 KV	881.07	231.61
	26 05 13 16-0184	EA		250 To 500 MCM Cable Termination With Stress Cone, Medium Voltage To 5 KV	1,217.07	318.45
	26 05 13 16-0185			Connect To Pothead, Pothead Included <small>(26 05 13 16-0168)</small>		
	26 05 13 16-0186	EA		#6 To 4/0 AWG Connection To Pothead (Included) Medium Voltage To 5 KV	910.70	231.61
	26 05 13 16-0187	EA		250 To 500 MCM Connection To Pothead (Included) Medium Voltage To 5 KV	1,139.48	265.38
	26 05 13 16-0188			Two Conductor Pothead <small>(26 05 13 16-0168)</small> Note: Includes 5 KV pothead.		
	26 05 13 16-0189	EA		#6 To 4/0 AWG 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	821.82	318.45
	26 05 13 16-0190	EA		250 To 350 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	1,071.89	405.31
	26 05 13 16-0191	EA		400 To 700 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	1,480.50	459.54
	26 05 13 16-0192	EA		750 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	2,195.10	536.16
	26 05 13 16-0193	EA		1,000 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	3,854.07	804.15
	26 05 13 16-0194			Three Conductor Pothead <small>(26 05 13 16-0168)</small> Note: Includes 5 KV pothead.		
	26 05 13 16-0195	EA		#6 To 4/0 3/c 5 KV Pothead (Included) Medium Voltage To 5 KV	2,482.68	463.21
	26 05 13 16-0196	EA		250 To 500 MCM 3/c 5 KV Pothead (Included) Medium Voltage To 5 KV	2,751.67	540.41
	26 05 13 16-0197			Copper Cable Splice, Crimp Compression Connection <small>(26 05 13 16-0168)</small> Note: For bare wire.		
	26 05 13 16-0198	EA		#6 AWG Crimp Compression Connection For Bare Copper Wire	60.66	
	26 05 13 16-0199	EA		#4 AWG Crimp Compression Connection For Bare Copper Wire	66.63	
	26 05 13 16-0200	EA		#3 AWG Crimp Compression Connection For Bare Copper Wire	77.69	
	26 05 13 16-0201	EA		#2 AWG Crimp Compression Connection For Bare Copper Wire	88.36	
	26 05 13 16-0202	EA		#1 AWG Crimp Compression Connection For Bare Copper Wire	99.61	
	26 05 13 16-0203	EA		1/0 AWG Crimp Compression Connection For Bare Copper Wire	110.62	
	26 05 13 16-0204	EA		2/0 AWG Crimp Compression Connection For Bare Copper Wire	121.54	
	26 05 13 16-0205	EA		3/0 AWG Crimp Compression Connection For Bare Copper Wire	132.85	
	26 05 13 16-0206	EA		4/0 AWG Crimp Compression Connection For Bare Copper Wire	143.94	
	26 05 13 16-0207	EA		250 MCM Crimp Compression Connection For Bare Copper Wire	155.19	
	26 05 13 16-0208	EA		300 MCM Crimp Compression Connection For Bare Copper Wire	166.67	
	26 05 13 16-0209	EA		350 MCM Crimp Compression Connection For Bare Copper Wire	177.61	
	26 05 13 16-0210	EA		400 MCM Crimp Compression Connection For Bare Copper Wire	200.43	
	26 05 13 16-0211	EA		500 MCM Crimp Compression Connection For Bare Copper Wire	223.80	

26 Electrical**26 05 Common Work Results For Electrical****26 05 13 Medium-Voltage Cables**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0212			Aluminum Cable Splice, Crimp Compression Connection <small>(26 05 13 16-0168)</small> Note: For bare wire.		
26 05 13 16-0213	EA		#6 AWG Crimp Compression Connection For Bare Aluminum Wire.....	61.71	
26 05 13 16-0214	EA		#4 AWG Crimp Compression Connection For Bare Aluminum Wire.....	67.21	
26 05 13 16-0215	EA		#2 AWG Crimp Compression Connection For Bare Aluminum Wire.....	90.29	
26 05 13 16-0216	EA		#1 AWG Crimp Compression Connection For Bare Aluminum Wire.....	104.51	
26 05 13 16-0217	EA		1/0 AWG Crimp Compression Connection For Bare Aluminum Wire.....	115.25	
26 05 13 16-0218	EA		2/0 AWG Crimp Compression Connection For Bare Aluminum Wire.....	125.96	
26 05 13 16-0219	EA		3/0 AWG Crimp Compression Connection For Bare Aluminum Wire.....	137.98	
26 05 13 16-0220	EA		4/0 AWG Crimp Compression Connection For Bare Aluminum Wire.....	149.36	
26 05 13 16-0221	EA		250 MCM Crimp Compression Connection For Bare Aluminum Wire.....	160.49	
26 05 13 16-0222	EA		300 MCM Crimp Compression Connection For Bare Aluminum Wire.....	171.85	
26 05 13 16-0223	EA		350 MCM Crimp Compression Connection For Bare Aluminum Wire.....	183.05	
26 05 13 16-0224	EA		400 MCM Crimp Compression Connection For Bare Aluminum Wire.....	208.22	
26 05 13 16-0225	EA		500 MCM Crimp Compression Connection For Bare Aluminum Wire.....	233.51	
26 05 13 16-0226			15 KV <small>(26 05 13 16-0167)</small>		
26 05 13 16-0227			Single Conductor Pothead On Racks <small>(26 05 13 16-0226)</small> Note: Includes pothead.		
26 05 13 16-0228	EA		#2 To 4/0 AWG 1/c 15 KV Pothead (Included), On Racks.....	1,010.00	405.31
26 05 13 16-0229	EA		250 To 500 MCM 1/c 15 KV Pothead (Included), On Racks.....	1,278.03	501.80
26 05 13 16-0230			Two Conductor Pothead On Rack <small>(26 05 13 16-0226)</small> Note: Includes pothead.		
26 05 13 16-0231	EA		#2 To 4/0 AWG 2/c 15 KV Pothead (Included), On Racks.....	1,514.78	617.61
26 05 13 16-0232	EA		250 To 500 MCM 2/c 15 KV Pothead (Included), On Racks.....	1,808.51	733.41
26 05 13 16-0233			Three Conductor Pothead On Rack <small>(26 05 13 16-0226)</small> Note: Includes pothead.		
26 05 13 16-0234	EA		#2 To 4/0 AWG 3/c 15 KV Pothead (Included), On Racks.....	1,948.72	800.96
26 05 13 16-0235	EA		250 To 500 MCM 3/c 15 KV Pothead (Included), On Racks.....	2,431.13	1,003.62
26 05 13 16-0236			Stress Relief Cone On Rack <small>(26 05 13 16-0226)</small>		
26 05 13 16-0237	EA		#2 To 4/0 AWG Stress Relief Cone, On Rack.....	974.21	405.31
26 05 13 16-0238	EA		250 To 500 MCM Stress Relief Cone, On Rack.....	1,237.78	501.80
26 05 13 16-0239			Grounded, Shielded Cable Splice <small>(26 05 13 16-0226)</small>		
26 05 13 16-0240	EA		#2 To 4/0 AWG Cable Splice, Grounded, Shielded, 15 KV.....	693.93	299.16
26 05 13 16-0241	EA		250 To 500 MCM Cable Splice, Grounded, Shielded, 15 KV.....	891.87	386.00
26 05 13 16-0242	EA		3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE 2-Way.....	3,475.87	1,061.52
26 05 13 16-0243	EA		3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE - CE 3-Way.....	4,254.18	1,158.02
26 05 13 16-0244			Cable Termination <small>(26 05 13 16-0226)</small>		
26 05 13 16-0245	EA		#2 To 3/0 AWG Cable Termination 15 KV.....	430.15	168.87
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101.33	
26 05 13 16-0246	EA		4/0 To 250 MCM Cable Termination 15 KV.....	547.29	217.13
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	130.28	
26 05 13 16-0247	EA		350 To 500 MCM Cable Termination 15 KV.....	674.62	265.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	159.23	
26 05 13 16-0248	EA		#2 To 3/0 AWG Cable Elbow Termination 15 KV.....	262.69	96.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.90	
26 05 13 16-0249			Stress Cones, 5-15 KV, 4 Skirted <small>(26 05 13 16-0226)</small>		
26 05 13 16-0250	EA		#4 To 1/0 AWG Stress Cones, 5-15 KV, 4 Skirted.....	457.28	125.45
26 05 13 16-0251	EA		2/0 To 3/0 AWG Stress Cones, 5-15 KV, 4 Skirted.....	516.29	138.66
26 05 13 16-0252	EA		4/0 To 350 MCM Stress Cones, 5-15 KV, 4 Skirted.....	599.94	151.74
26 05 13 16-0253	EA		400 To 500 MCM Stress Cones, 5-15 KV, 4 Skirted.....	750.87	174.83
26 05 13 16-0254			Stress Cones, 5-15 KV, 6 Skirted <small>(26 05 13 16-0226)</small>		
26 05 13 16-0255	EA		#4 To 1/0 AWG Stress Cones, 5-15 KV, 6 Skirted.....	914.59	251.33
26 05 13 16-0256	EA		2/0 To 3/0 AWG Stress Cones, 5-15 KV, 6 Skirted.....	1,032.67	277.30
26 05 13 16-0257	EA		4/0 To 350 MCM Stress Cones, 5-15 KV, 6 Skirted.....	1,188.63	297.84
26 05 13 16-0258	EA		400 To 500 MCM Stress Cones, 5-15 KV, 6 Skirted.....	1,501.73	349.64
26 05 13 16-0259			35 KV <small>(26 05 13 16-0167)</small>		
26 05 13 16-0260			35 KV One Conductor Splice <small>(26 05 13 16-0259)</small>		
26 05 13 16-0261	EA		Cable Splicing, #1 Stranded To 4/0 Stranded, 35 KV.....	1,726.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0262 Cable Termination <small>(26 05 13 16-0259)</small>		
26 05 13 16-0263 EA #2 To 3/0 AWG Cable Termination 35 KV	343.26	115.90
26 05 13 16-0264 EA 3/0 AWG To 250 MCM Cable Termination 35 KV	486.06	174.86
26 05 13 16-0265 EA 350 To 500 MCM Cable Termination 35 KV	547.65	187.02
26 05 13 16-0266 EA #2 To 3/0 AWG Cable Elbow Termination 35 KV	277.10	96.51
26 05 13 16-0267 70 KV <small>(26 05 13 16-0167)</small>		
26 05 13 16-0268 Cable Splice <small>(26 05 13 16-0267)</small>		
26 05 13 16-0269 EA Cable Splicing, 350 MCM 70 KV	6,147.08	
26 05 13 16-0270 EA Cable Splicing, #2 To 4/0 70 KV	1,762.52	
26 05 19 Low-Voltage Electrical Power Conductors And Cables <small>(26 05)</small>		
26 05 19 13 Undercarpet Electrical Power Cables <small>(26 05 19)</small>		
26 05 19 13-0001 Under Carpet Power System <small>(26 05 19 13)</small>		
Note: Includes laying out, floor prep, taping, testing, drill floor, folds.		
26 05 19 13-0002 LF 3-Conductor, #12 Flat Cable With Attached Bottom Shield	6.94	0.44
26 05 19 13-0003 LF Top Shield, Steel	7.80	0.44
26 05 19 13-0004 EA Splice, 3-Conductor	34.56	7.50
26 05 19 13-0005 EA Splice Top Shield For 3 Conductor	8.67	3.53
26 05 19 13-0006 EA Tap 3-Conductor	43.62	8.82
26 05 19 13-0007 EA Insulating Patch, Splice Tap And End	74.04	7.50
26 05 19 13-0008 EA Transition Block Assembly 3-conductor	48.77	4.41
26 05 19 13-0009 EA Receptacles, Direct Connected Single, With Box	146.33	14.11
26 05 19 13-0010 EA Receptacles, Direct Connected Dual, With Box	245.29	22.06
26 05 19 13-0011 EA Box, Floor Mounted With Cover	248.62	17.65
26 05 19 13-0012 LF 5-Conductor #12 With Attached Bottom Shield	11.30	0.44
26 05 19 13-0013 LF Shield, Top, Steel For 5 Conductor	11.21	0.44
26 05 19 13-0014 EA Splice, 5 Conductor	35.12	7.50
26 05 19 13-0015 EA Transition Block Assembly 5 Conductor	65.90	4.41
26 05 19 13-0016 EA Box, Wall, Flush With Cover	102.22	17.65
26 05 19 13-0017 EA Telephone Transition Fitting Wall Box	64.54	14.55
26 05 19 13-0018 EA Telephone Fitting With Duplex Jack And Cover RJ-45	87.25	16.77
26 05 19 13-0019 EA Telephone Miniature With Duplex RJ-45	38.13	6.61
26 05 19 13-0020 LF Telephone 4-Pair Level 5 Under Carpet Wire	2.16	0.44
26 05 19 13-0021 EA BNC Coax Connector Plug	27.00	8.82
26 05 19 13-0022 EA TNC Connector Coax Plug	27.00	8.82
26 05 19 13-0023 CLF Flat RG A/U 59, 75 Ohm, RG A/U 62, 93 Ohm, RG A/U 58, 50 Ohm	144.14	44.11
26 05 19 16 Low-Voltage, Single-And Multi-Conductor Cables <small>(26 05 19)</small>		
26 05 19 16-0001 Cable Installation Methods <small>(26 05 19 16)</small>		
26 05 19 16-0002 Pull Cord <small>(26 05 19 16-0001)</small>		
Note: Left in conduit for others to pull cable. Not to be used when contractor has priced new wire in a conduit. Priced when owner wants a pull cord left in a conduit for owner to pull wire at a later time.		
26 05 19 16-0003 LF Pull String Installed To Remain In Place, In Existing Conduit	0.30	
26 05 19 16-0004 LF Pull String Installed To Remain In Place, In New Conduits	0.15	
26 05 19 16-0005 LF 1/4" Nylon Pull Cord Installed To Remain In Place, In Existing Conduit	0.49	
26 05 19 16-0006 LF 1/4" Nylon Pull Cord Installed To Remain In Place, In New Conduits	0.29	
26 05 19 16-0007 Bore Conduit Into Dirt Or Sand <small>(26 05 19 16-0001)</small>		
Note: For installation under roads, driveways or other structures up to 20'.		
26 05 19 16-0008 LF Bore 1" To 4" Conduit Into Dirt Or Sand	2.55	
26 05 19 16-0009 LF Bore 5" To 8" Conduit Into Dirt Or Sand	3.25	
26 05 19 16-0010 EA Boring Minimum Set-Up Charge	357.87	
Note: For projects where the total boring charge is less than the minimum set-up charge. Use this item exclusively. This item should not be used in conjunction with any other items in this section.		
26 05 19 16-0011 Wire and Cable <small>(26 05 19 16)</small>		
Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.		
26 05 19 16-0012 Multi-Conductor Cords, Cables And Associated Equipment <small>(26 05 19 16-0011)</small>		
26 05 19 16-0013 Multi-Conductor Cords <small>(26 05 19 16-0012)</small>		
Note: Includes installation in cable tray, surface mounting or installation between junction boxes. Excludes strain relief devices, plugs and connector bodies.		
26 05 19 16-0014 Multi-Conductor Type SOOW And SJOOW Cord <small>(26 05 19 16-0013)</small>		
Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0015 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0014)</small>		
26 05 19 16-0016 #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0015)</small>		
26 05 19 16-0017 LF 2/c #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.04	0.39

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0018 LF 3/c #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.09	0.39
26 05 19 16-0019 LF 4/c #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.24	0.39
26 05 19 16-0020 #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0015)</small>		
26 05 19 16-0021 LF 2/c #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.20	0.39
26 05 19 16-0022 LF 3/c #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.30	0.39
26 05 19 16-0023 LF 4/c #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.43	0.39
26 05 19 16-0024 #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0015)</small>		
26 05 19 16-0025 LF 2/c #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.38	0.39
26 05 19 16-0026 LF 3/c #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.52	0.39
26 05 19 16-0027 LF 4/c #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.81	0.39
26 05 19 16-0028 #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0015)</small>		
26 05 19 16-0029 LF 2/c #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.62	0.39
26 05 19 16-0030 LF 3/c #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.80	0.39
26 05 19 16-0031 LF 4/c #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.05	0.39
26 05 19 16-0032 #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0015)</small>		
26 05 19 16-0033 LF 2/c #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.16	0.48
26 05 19 16-0034 LF 3/c #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.28	0.48
26 05 19 16-0035 LF 4/c #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.46	0.48
26 05 19 16-0036 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0014)</small>		
26 05 19 16-0037 #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0036)</small>		
26 05 19 16-0038 LF 2/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.09	0.39
26 05 19 16-0039 LF 3/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.20	0.39
26 05 19 16-0040 LF 4/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.34	0.39
26 05 19 16-0041 LF 5/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.40	0.52
26 05 19 16-0042 LF 6/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.63	0.53
26 05 19 16-0043 LF 7/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.81	0.55
26 05 19 16-0044 LF 8/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.10	0.56
26 05 19 16-0045 LF 10/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.59	0.59
26 05 19 16-0046 LF 12/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.12	0.61
26 05 19 16-0047 LF 14/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.52	0.62
26 05 19 16-0048 LF 16/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.61	0.64
26 05 19 16-0049 LF 18/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.76	0.65
26 05 19 16-0050 LF 20/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.44	0.66
26 05 19 16-0051 LF 24/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.18	0.68
26 05 19 16-0052 LF 30/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.53	0.72
26 05 19 16-0053 #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0036)</small>		
26 05 19 16-0054 LF 2/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.29	0.39
26 05 19 16-0055 LF 3/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.38	0.39
26 05 19 16-0056 LF 4/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.57	0.39
26 05 19 16-0057 LF 5/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.52	0.52
26 05 19 16-0058 LF 6/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.79	0.53
26 05 19 16-0059 LF 7/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.07	0.55
26 05 19 16-0060 LF 8/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.41	0.56
26 05 19 16-0061 LF 9/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.55	0.58
26 05 19 16-0062 LF 10/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.97	0.59
26 05 19 16-0063 LF 12/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.67	0.61
26 05 19 16-0064 LF 14/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.03	0.62
26 05 19 16-0065 LF 16/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.71	0.64
26 05 19 16-0066 LF 18/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.63	0.65
26 05 19 16-0067 LF 20/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.47	0.66
26 05 19 16-0068 LF 24/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.08	0.68
26 05 19 16-0069 LF 26/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	10.01	0.69
26 05 19 16-0070 LF 30/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	11.68	0.72
26 05 19 16-0071 #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0036)</small>		
26 05 19 16-0072 LF 2/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.55	0.39
26 05 19 16-0073 LF 3/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.65	0.39
26 05 19 16-0074 LF 4/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.91	0.39
26 05 19 16-0075 LF 5/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.34	0.52
26 05 19 16-0076 LF 6/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.03	0.53
26 05 19 16-0077 LF 7/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.27	0.55
26 05 19 16-0078 LF 8/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.83	0.56
26 05 19 16-0079 LF 9/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.20	0.58



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0080	LF		10/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.84	0.59
26 05 19 16-0081	LF		12/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.43	0.61
26 05 19 16-0082	LF		14/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.13	0.62
26 05 19 16-0083	LF		16/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.62	0.64
26 05 19 16-0084	LF		20/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	9.70	0.66
26 05 19 16-0085	LF		24/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	11.47	0.68
26 05 19 16-0086	LF		30/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	13.60	0.72
26 05 19 16-0087			#12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0036)</small>		
26 05 19 16-0088	LF		2/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.81	0.39
26 05 19 16-0089	LF		3/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.01	0.39
26 05 19 16-0090	LF		4/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.21	0.39
26 05 19 16-0091	LF		5/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.85	0.52
26 05 19 16-0092	LF		6/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.50	0.53
26 05 19 16-0093	LF		7/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.16	0.55
26 05 19 16-0094	LF		8/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.87	0.56
26 05 19 16-0095	LF		9/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.37	0.58
26 05 19 16-0096	LF		10/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.25	0.59
26 05 19 16-0097	LF		12/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.28	0.61
26 05 19 16-0098	LF		14/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	9.25	0.62
26 05 19 16-0099	LF		16/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.20	0.64
26 05 19 16-0100	LF		18/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.66	0.65
26 05 19 16-0101	LF		20/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	12.33	0.66
26 05 19 16-0102	LF		24/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	14.03	0.68
26 05 19 16-0103	LF		26/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	15.75	0.69
26 05 19 16-0104	LF		28/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	16.29	0.71
26 05 19 16-0105	LF		30/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	16.89	0.72
26 05 19 16-0106			#10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0036)</small>		
26 05 19 16-0107	LF		2/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.10	0.48
26 05 19 16-0108	LF		3/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.27	0.48
26 05 19 16-0109	LF		4/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.45	0.48
26 05 19 16-0110	LF		5/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.31	0.52
26 05 19 16-0111	LF		6/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.55	0.53
26 05 19 16-0112	LF		7/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.57	0.55
26 05 19 16-0113	LF		10/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.51	0.59
26 05 19 16-0114	LF		12/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	9.78	0.61
26 05 19 16-0115	LF		16/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	12.53	0.64
26 05 19 16-0116	LF		20/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	18.35	0.66
26 05 19 16-0117			#8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0036)</small>		
26 05 19 16-0118	LF		3/c #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	4.33	0.58
26 05 19 16-0119	LF		4/c #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	4.73	0.67
26 05 19 16-0120	LF		5/c #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	6.55	0.67
26 05 19 16-0121			#6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0036)</small>		
26 05 19 16-0122	LF		3/c #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	6.33	0.67
26 05 19 16-0123	LF		4/c #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	7.65	0.77
26 05 19 16-0124	LF		5/c #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	9.18	0.96
26 05 19 16-0125			#4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0036)</small>		
26 05 19 16-0126	LF		3/c #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	10.16	0.96
26 05 19 16-0127	LF		4/c #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	11.17	1.06
26 05 19 16-0128	LF		5/c #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	13.52	1.16
26 05 19 16-0129			#2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0036)</small>		
26 05 19 16-0130	LF		3/c #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	15.02	1.93
26 05 19 16-0131	LF		4/c #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	19.14	2.41
26 05 19 16-0132	LF		5/c #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	23.01	3.19
26 05 19 16-0133			300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0014)</small>		
26 05 19 16-0134			#18, 300 Volt, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0133)</small>		
26 05 19 16-0135	LF		2/c #18, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.43	0.39
26 05 19 16-0136	LF		3/c #18, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.59	0.39
26 05 19 16-0137	LF		4/c #18, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.92	0.39
26 05 19 16-0138			#16, 300 Volt, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0133)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0139 LF 2/c #16, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.53	0.39
26 05 19 16-0140 LF 3/c #16, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.80	0.39
26 05 19 16-0141 LF 4/c #16, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.92	0.39
26 05 19 16-0142 #14, 300 Volt, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0133)</small>		
26 05 19 16-0143 LF 2/c #14, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	2.19	0.39
26 05 19 16-0144 LF 3/c #14, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	3.25	0.39
26 05 19 16-0145 LF 4/c #14, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	4.21	0.48
26 05 19 16-0146 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0014)</small>		
26 05 19 16-0147 #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0146)</small>		
26 05 19 16-0148 LF 2/c #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.10	0.39
26 05 19 16-0149 LF 3/c #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.55	0.39
26 05 19 16-0150 LF 4/c #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.02	0.39
26 05 19 16-0151 #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0146)</small>		
26 05 19 16-0152 LF 2/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.26	0.39
26 05 19 16-0153 LF 3/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.72	0.39
26 05 19 16-0154 LF 4/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.45	0.39
26 05 19 16-0155 LF 5/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.73	0.48
26 05 19 16-0156 #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0146)</small>		
26 05 19 16-0157 LF 3/c #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.83	0.39
26 05 19 16-0158 LF 4/c #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.42	0.39
26 05 19 16-0159 LF 5/c #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.84	0.48
26 05 19 16-0160 #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0146)</small>		
26 05 19 16-0161 LF 3/c #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.39	0.39
26 05 19 16-0162 LF 4/c #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.91	0.39
26 05 19 16-0163 LF 5/c #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	4.37	0.48
26 05 19 16-0164 #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0146)</small>		
26 05 19 16-0165 LF 3/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.90	0.48
26 05 19 16-0166 LF 4/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	4.36	0.48
26 05 19 16-0167 LF 5/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	4.82	0.48
26 05 19 16-0168 Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0013)</small>		
Note: Includes thermoplastic elastomeric (TPE) insulation.		
26 05 19 16-0169 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0168)</small>		
26 05 19 16-0170 #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0169)</small>		
26 05 19 16-0171 LF 3/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.55	0.39
26 05 19 16-0172 LF 4/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.73	0.39
26 05 19 16-0173 LF 5/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.71	0.48
26 05 19 16-0174 #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0169)</small>		
26 05 19 16-0175 LF 3/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.10	0.39
26 05 19 16-0176 LF 4/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.44	0.39
26 05 19 16-0177 LF 5/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.57	0.48
26 05 19 16-0178 #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0169)</small>		
26 05 19 16-0179 LF 3/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.65	0.39
26 05 19 16-0180 LF 4/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.09	0.39
26 05 19 16-0181 LF 5/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.93	0.48
26 05 19 16-0182 #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0169)</small>		
26 05 19 16-0183 LF 3/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.40	0.48
26 05 19 16-0184 LF 4/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.93	0.48
26 05 19 16-0185 LF 5/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	4.22	0.48
26 05 19 16-0186 Multi-Conductor Type W Cord <small>(26 05 19 16-0013)</small>		
Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0187				2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0186)</small>		
26 05 19 16-0188				#8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0187)</small>		
			LF	3/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	4.78	0.58
			LF	4/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	5.14	0.67
			LF	5/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	6.13	0.67
26 05 19 16-0192				#6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0187)</small>		
			LF	3/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	5.13	0.67
			LF	4/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	6.12	0.77
			LF	5/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	7.63	0.96
26 05 19 16-0196				#4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0187)</small>		
			LF	3/c #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	7.09	0.67
			LF	4/c #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	8.38	0.77
			LF	5/c #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	10.80	0.96
26 05 19 16-0200				Cord Grips, Cable Reels, Extension Cords, And Accessories <small>(26 05 19 16-0012)</small>		
26 05 19 16-0201				Cord Grips <small>(26 05 19 16-0200)</small>		
			EA	Cord Grip With Watertight Connector For 1/2" NPT Zinc Plated Steel.....	60.50	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.54	
			EA	Cord Grip With Watertight Connector For 3/4" NPT Zinc Plated Steel.....	60.73	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.54	
26 05 19 16-0204				Cable Reels <small>(26 05 19 16-0200)</small>		
				Note: Includes handling, mounting, electrical connections and installing cord.		
			EA	30', 16-3, SJO, Extension Cord Reel (Cox Reels PC10-3016-A).....	568.78	48.25
			EA	50', 10-4, SEOOW, Extension Cord Reel (Reelcraft L 7050 104 X 1).....	1,583.50	48.25
			EA	50', 16-3, SOOW, Extension Cord Reel (KH Industries RTFD3L-WW-B16K).....	1,182.39	48.25
26 05 19 16-0208				Extension Cords <small>(26 05 19 16-0200)</small>		
			EA	100 LF, 120 Volt, 12 Gauge, 3 Wire, Extension Cord.....	122.00	
			EA	100 LF, 240 Volt, 10 Gauge, 3 Wire, Extension Cord.....	170.18	
26 05 19 16-0211				Plugs And Connector Bodies <small>(26 05 19 16-0200)</small>		
				Note: Up to 277 volts.		
26 05 19 16-0212				NEMA Twist-Lock Plugs <small>(26 05 19 16-0211)</small>		
			EA	15 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7545C).....	67.30	
			EA	15 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL4770CBK).....	68.77	
			EA	20 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7102C).....	62.60	
			EA	20 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2331).....	67.12	
			EA	20 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2411).....	88.31	
			EA	20 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2441).....	94.05	
			EA	20 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2511BK).....	99.66	
			EA	30 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2611BK).....	89.16	
			EA	30 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2711BK).....	102.96	
			EA	30 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2761).....	105.65	
			EA	30 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2811BK).....	109.07	
26 05 19 16-0224				NEMA Twist-Lock Connector Bodies <small>(26 05 19 16-0211)</small>		
			EA	15 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7506C).....	71.45	
			EA	15 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL4779C).....	76.64	
			EA	20 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7101C).....	65.71	
			EA	20 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2323BK).....	89.16	
			EA	20 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2413BK).....	104.30	
			EA	20 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2443).....	111.63	
			EA	20 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2513BK).....	136.30	
			EA	30 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2623BK).....	130.07	
			EA	30 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2713BK).....	160.97	
			EA	30 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2753).....	169.15	
			EA	30 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2813BK).....	160.23	
26 05 19 16-0236				Watertight Pin And Sleeve Plug <small>(26 05 19 16-0211)</small>		
			EA	20 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P4W).....	200.50	28.95
			EA	20 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P6W).....	202.57	28.95
			EA	20 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P7W).....	218.62	28.95
			EA	20 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P12W).....	219.57	31.84
			EA	20 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P9W).....	216.46	31.84
			EA	20 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P7W).....	217.39	31.84
			EA	30 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P4W).....	304.07	35.61

26 Electrical
26 05 Common Work Results For Electrical
26 05 19 Low-Voltage Electrical Power Conductors And Cables



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0244	EA		30 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P6W).....	296.31	35.61
26 05 19 16-0245	EA		30 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P7W).....	329.63	35.61
26 05 19 16-0246	EA		30 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P12W).....	324.71	39.09
26 05 19 16-0247	EA		30 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P9W).....	311.24	39.09
26 05 19 16-0248	EA		30 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P7W).....	320.51	39.09
26 05 19 16-0249	EA		60 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P4W).....	412.71	46.32
26 05 19 16-0250	EA		60 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P6W).....	420.10	46.32
26 05 19 16-0251	EA		60 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P7W).....	402.58	46.32
26 05 19 16-0252	EA		60 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P12W).....	458.23	51.53
26 05 19 16-0253	EA		60 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P9W).....	446.73	51.53
26 05 19 16-0254	EA		60 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P7W).....	451.70	51.53
26 05 19 16-0255	EA		100 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P6W).....	565.19	57.90
26 05 19 16-0256	EA		100 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P7W).....	593.73	57.90
26 05 19 16-0257	EA		100 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P12W).....	580.37	63.69
26 05 19 16-0258	EA		100 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P9W).....	570.62	63.69
26 05 19 16-0259	EA		100 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P7W).....	575.89	63.69

26 05 19 16-0260 Watertight Pin And Sleeve Connector (26 05 19 16-0211)

26 05 19 16-0261	EA		20 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C4W).....	212.39	28.95
26 05 19 16-0262	EA		20 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C6W).....	213.82	28.95
26 05 19 16-0263	EA		20 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C7W).....	250.81	28.95
26 05 19 16-0264	EA		20 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C12W).....	249.54	31.84
26 05 19 16-0265	EA		20 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C9W).....	245.79	31.84
26 05 19 16-0266	EA		20 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C7W).....	249.18	31.84
26 05 19 16-0267	EA		30 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C4W).....	311.17	35.61
26 05 19 16-0268	EA		30 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C6W).....	311.09	35.61
26 05 19 16-0269	EA		30 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C7W).....	323.85	35.61
26 05 19 16-0270	EA		30 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C12W).....	321.25	39.09
26 05 19 16-0271	EA		30 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C9W).....	323.88	39.09
26 05 19 16-0272	EA		30 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C7W).....	321.11	39.09
26 05 19 16-0273	EA		60 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C4W).....	485.60	46.32
26 05 19 16-0274	EA		60 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C6W).....	469.98	46.32
26 05 19 16-0275	EA		60 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C7W).....	460.67	46.32
26 05 19 16-0276	EA		60 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C12W).....	501.61	51.53
26 05 19 16-0277	EA		60 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C9W).....	515.19	51.53
26 05 19 16-0278	EA		60 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C7W).....	516.19	51.53
26 05 19 16-0279	EA		100 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C6W).....	645.15	57.90
26 05 19 16-0280	EA		100 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C7W).....	663.07	57.90
26 05 19 16-0281	EA		100 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C12W).....	716.73	63.69
26 05 19 16-0282	EA		100 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C9W).....	692.12	63.69
26 05 19 16-0283	EA		100 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C7W).....	700.52	63.69

26 05 19 16-0284 Accessories (26 05 19 16-0200)

26 05 19 16-0285	EA		1/2" Straight Steel Cord Connector.....	40.38	9.65
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>5.79</i>	
26 05 19 16-0286	EA		1/2" Straight Nylon Cord Connector.....	25.02	7.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>4.34</i>	
26 05 19 16-0287	EA		1/2" 90 Degree Steel Cord Connector.....	46.79	12.06
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>7.24</i>	
26 05 19 16-0288	EA		1/2" 90 Degree Nylon Cord Connector.....	30.63	9.65
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>5.79</i>	
26 05 19 16-0289	EA		1/2" Straight Steel Cord Connector With Strain Relief Mesh.....	46.27	12.06
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>7.24</i>	
26 05 19 16-0290	EA		1/2" 90 Degree Steel Cord Connector With Strain Relief Mesh.....	76.53	14.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>8.69</i>	
26 05 19 16-0291	EA		1/2" Straight Nylon Cord Connector With Strain Relief Mesh.....	30.22	9.65
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>5.79</i>	
26 05 19 16-0292	EA		1/2" 90 Degree Nylon Cord Connector With Strain Relief Mesh.....	48.71	12.06
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>7.24</i>	
26 05 19 16-0293	EA		3/4" Straight Steel Cord Connector.....	41.87	9.65
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>5.79</i>	
26 05 19 16-0294	EA		3/4" Straight Nylon Cord Connector.....	25.76	7.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>4.34</i>	
26 05 19 16-0295	EA		3/4" 90 Degree Steel Cord Connector.....	51.43	12.06
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>7.24</i>	
26 05 19 16-0296	EA		3/4" 90 Degree Nylon Cord Connector.....	32.95	9.65
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>5.79</i>	
26 05 19 16-0297	EA		3/4" Straight Steel Cord Connector With Strain Relief Mesh.....	52.65	14.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>8.69</i>	
26 05 19 16-0298	EA		3/4" 90 Degree Steel Cord Connector With Strain Relief Mesh.....	62.43	16.89
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>10.13</i>	
26 05 19 16-0299	EA		3/4" Straight Nylon Cord Connector With Strain Relief Mesh.....	36.61	12.06
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>7.24</i>	
26 05 19 16-0300	EA		3/4" 90 Degree Nylon Cord Connector With Strain Relief Mesh.....	44.18	14.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>8.69</i>	
26 05 19 16-0301	EA		1" Straight Steel Cord Connector.....	51.39	9.65
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>5.79</i>	
26 05 19 16-0302	EA		1" Straight Nylon Cord Connector.....	30.52	7.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>4.34</i>	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0303 EA 1" 90 Degree Steel Cord Connector <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.71 7.24	12.06
26 05 19 16-0304 EA 1" 90 Degree Nylon Cord Connector <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.09 5.79	9.65
26 05 19 16-0305 EA 1" Straight Steel Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.64 8.69	14.48
26 05 19 16-0306 EA 1" 90 Degree Steel Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.03 10.13	16.89
26 05 19 16-0307 EA 1" Straight Nylon Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.69 7.24	12.06
26 05 19 16-0308 EA 1" 90 Degree Nylon Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.47 8.69	14.48
26 05 19 16-0309 600 Volt Wire <small>(26 05 19 16-0011)</small>		
26 05 19 16-0310 Single Solid Conductor, Copper <small>(26 05 19 16-0309)</small>		
26 05 19 16-0311 MLF #14 AWG Cable - Type THHN-THWN, 600 Volt Copper, Single Solid, Placed In Conduit.....	513.05	214.11
26 05 19 16-0312 MLF #12 AWG Cable - Type THHN-THWN, 600 Volt Copper, Single Solid, Placed In Conduit.....	637.38	251.88
26 05 19 16-0313 MLF #10 AWG Cable - Type THHN-THWN, 600 Volt Copper, Single Solid, Placed In Conduit.....	780.71	307.99
26 05 19 16-0314 MLF #14 AWG Cable - Type XHHW, 600 Volt Copper, Single Solid, Placed In Conduit.....	664.93	214.11
26 05 19 16-0315 MLF #12 AWG Cable - Type XHHW, 600 Volt Copper, Single Solid, Placed In Conduit.....	801.06	251.88
26 05 19 16-0316 MLF #10 AWG Cable - Type XHHW, 600 Volt Copper, Single Solid, Placed In Conduit.....	956.90	307.99
26 05 19 16-0317 Power Cable, Stranded Conductor, Copper <small>(26 05 19 16-0309)</small>		
26 05 19 16-0318 Power Cable, Stranded, Single Conductor, XHHW-2 <small>(26 05 19 16-0317)</small>		
26 05 19 16-0319 MLF #16 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit.....	523.73	176.45
26 05 19 16-0320 MLF #14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit.....	620.69	211.74
26 05 19 16-0321 MLF #12 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit.....	754.52	247.03
26 05 19 16-0322 MLF #10 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit.....	913.25	282.31
26 05 19 16-0323 MLF #8 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,200.87	352.89
26 05 19 16-0324 MLF #6 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,585.51	423.47
26 05 19 16-0325 MLF #4 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,135.75	529.34
26 05 19 16-0326 MLF #3 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,508.72	599.91
26 05 19 16-0327 MLF #2 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,942.98	670.49
26 05 19 16-0328 MLF #1 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,586.06	741.08
26 05 19 16-0329 MLF 1/0 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit.....	4,273.33	846.94
26 05 19 16-0330 MLF 2/0 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit.....	5,076.43	952.80
26 05 19 16-0331 MLF 3/0 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit.....	6,019.80	1,058.68
26 05 19 16-0332 MLF 4/0 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit.....	7,141.88	1,164.54
26 05 19 16-0333 MLF 250 MCM Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit.....	7,593.75	1,270.41
26 05 19 16-0334 MLF 300 MCM Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit.....	8,914.40	1,376.28
26 05 19 16-0335 MLF 350 MCM Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit.....	9,519.28	1,482.14
26 05 19 16-0336 MLF 400 MCM Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit.....	10,599.69	1,588.01
26 05 19 16-0337 MLF 500 MCM Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit.....	12,173.82	1,693.88
26 05 19 16-0338 MLF 600 MCM Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit.....	13,940.04	1,835.04
26 05 19 16-0339 MLF 750 MCM Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit.....	20,677.15	2,046.77
26 05 19 16-0340 MLF 1,000 MCM Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit.....	28,828.77	2,399.67
26 05 19 16-0341 Power Cable, Stranded, Multi Conductor, XHHW-2 <small>(26 05 19 16-0317)</small>		
26 05 19 16-0342 MLF 2/c #14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit.....	1,241.38	423.38
26 05 19 16-0343 MLF 3/c #14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit.....	1,509.17	494.14
26 05 19 16-0344 MLF 4/c #14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit.....	1,865.28	599.91
26 05 19 16-0345 MLF 6/c #14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit.....	2,179.52	652.58
26 05 19 16-0346 MLF 7/c #14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit.....	2,359.61	688.05
26 05 19 16-0347 MLF 9/c #14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit.....	2,718.45	758.54
26 05 19 16-0348 MLF 10/c #14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit.....	2,067.88	790.65
26 05 19 16-0349 MLF 12/c #14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit.....	3,257.71	864.59
26 05 19 16-0350 MLF 14/c #14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit.....	3,573.08	917.70
26 05 19 16-0351 MLF 24/c #14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit.....	5,104.01	1,164.63
26 05 19 16-0352 MLF 37/c #14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit.....	7,702.96	1,729.17
26 05 19 16-0353 MLF 2/c #12 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit.....	1,509.26	494.14
26 05 19 16-0354 MLF 3/c #12 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit.....	1,910.76	599.91
26 05 19 16-0355 MLF 4/c #12 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit.....	2,312.28	705.79
26 05 19 16-0356 MLF 2/c #10 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit.....	2,002.25	634.94
26 05 19 16-0357 MLF 3/c #10 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit.....	2,561.61	775.65
26 05 19 16-0358 MLF 4/c #10 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit.....	3,300.49	988.27
26 05 19 16-0359 MLF 6/c #10 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit.....	4,421.86	1,270.85
26 05 19 16-0360 MLF 9/c #10 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit.....	5,925.55	1,623.39
26 05 19 16-0361 MLF 2/c #8 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit.....	2,445.85	723.43
26 05 19 16-0362 MLF 3/c #8 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit.....	3,073.27	846.94
26 05 19 16-0363 MLF 4/c #8 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit.....	3,965.36	1,076.32
26 05 19 16-0364 MLF 2/c #6 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit.....	3,082.86	811.65
26 05 19 16-0365 MLF 3/c #6 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit.....	4,094.83	1,005.74
26 05 19 16-0366 MLF 4/c #6 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit.....	5,208.34	1,240.42
26 05 19 16-0367 MLF 2/c #4 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit.....	4,086.59	984.74
26 05 19 16-0368 MLF 3/c #4 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit.....	5,253.10	1,126.35
26 05 19 16-0369 MLF 4/c #4 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit.....	6,763.46	1,405.56
26 05 19 16-0370 MLF 2/c #2 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit.....	5,532.15	1,199.48

26 Electrical
26 05 Common Work Results For Electrical
26 05 19 Low-Voltage Electrical Power Conductors And Cables



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0371 MLF 3/c #2 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	7,153.54	1,341.34
26 05 19 16-0372 MLF 4/c #2 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	9,478.09	1,764.45
26 05 19 16-0373 MLF 3/c #1 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	9,434.12	1,693.62
26 05 19 16-0374 MLF 4/c #1 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	12,224.63	2,116.46
26 05 19 16-0375 MLF 3/c #1/0 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	11,056.36	1,835.39
26 05 19 16-0376 MLF 3/c #2/0 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	13,374.35	2,116.46
26 05 19 16-0377 MLF 3/c #3/0 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	16,292.27	2,469.18
26 05 19 16-0378 MLF 4/c #3/0 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	21,429.08	3,174.70
26 05 19 16-0379 MLF 3/c #4/0 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	19,755.46	2,825.52
26 05 19 16-0380 MLF 3/c 250 MCM Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	21,189.80	3,174.70
26 05 19 16-0381 MLF 3/c 350 MCM Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	26,264.02	3,528.92
26 05 19 16-0382 MLF 3/c 500 MCM Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	33,513.51	3,878.45

26 05 19 16-0383 Underground Feeder And Branch Circuit Suitable, Single Stranded Copper

(26 05 19 16-0383)

Note: Direct bury.

26 05 19 16-0384 MLF #14 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	733.23	
26 05 19 16-0385 MLF #12 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	861.96	
26 05 19 16-0386 MLF #10 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	1,068.28	
26 05 19 16-0387 MLF #8 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	1,397.22	
26 05 19 16-0388 MLF #6 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	1,923.99	
26 05 19 16-0389 MLF #4 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	2,521.58	
26 05 19 16-0390 MLF #2 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	3,601.90	
26 05 19 16-0391 MLF #1 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	4,437.66	
26 05 19 16-0392 MLF #1/0 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	5,414.52	
26 05 19 16-0393 MLF #2/0 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	6,526.65	
26 05 19 16-0394 MLF #3/0 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	7,825.91	
26 05 19 16-0395 MLF #4/0 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	8,825.99	
26 05 19 16-0396 MLF 250 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	9,562.12	
26 05 19 16-0397 MLF 300 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	11,380.46	
26 05 19 16-0398 MLF 350 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	12,697.50	
26 05 19 16-0399 MLF 400 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	14,229.63	
26 05 19 16-0400 MLF 500 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	16,766.36	
26 05 19 16-0401 MLF 600 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	19,741.24	
26 05 19 16-0402 MLF 750 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	30,944.51	
26 05 19 16-0403 MLF #14 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	616.99	
26 05 19 16-0404 MLF #12 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	734.88	
26 05 19 16-0405 MLF #10 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	870.38	
26 05 19 16-0406 MLF #8 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	1,072.27	
26 05 19 16-0407 MLF #6 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	1,357.62	
26 05 19 16-0408 MLF #4 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	1,781.43	
26 05 19 16-0409 MLF #2 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	2,384.58	
26 05 19 16-0410 MLF #1 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	2,784.42	
26 05 19 16-0411 MLF #1/0 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	3,157.55	
26 05 19 16-0412 MLF #2/0 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	3,557.52	
26 05 19 16-0413 MLF #3/0 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	4,099.72	
26 05 19 16-0414 MLF #4/0 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	4,739.59	
26 05 19 16-0415 MLF 250 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	5,340.30	
26 05 19 16-0416 MLF 300 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	5,969.82	
26 05 19 16-0417 MLF 350 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	6,646.71	
26 05 19 16-0418 MLF 400 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	7,344.20	
26 05 19 16-0419 MLF 500 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	8,443.64	
26 05 19 16-0420 MLF 750 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	13,564.54	
26 05 19 16-0421 MLF #14 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	516.81	
26 05 19 16-0422 MLF #12 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	637.64	
26 05 19 16-0423 MLF #10 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	780.25	
26 05 19 16-0424 MLF #8 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	1,077.19	
26 05 19 16-0425 MLF #6 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	1,438.67	
26 05 19 16-0426 MLF #4 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	1,868.50	
26 05 19 16-0427 MLF #2 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	2,635.40	
26 05 19 16-0428 MLF #1 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	3,112.37	
26 05 19 16-0429 MLF #1/0 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	3,618.54	
26 05 19 16-0430 MLF #2/0 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	4,086.05	
26 05 19 16-0431 MLF #3/0 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	4,794.71	
26 05 19 16-0432 MLF #4/0 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	5,670.70	
26 05 19 16-0433 MLF 250 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	6,613.11	
26 05 19 16-0434 MLF 300 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	7,592.32	
26 05 19 16-0435 MLF 350 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	8,640.03	
26 05 19 16-0436 MLF 400 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	9,653.18	
26 05 19 16-0437 MLF 500 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	11,361.77	
26 05 19 16-0438 MLF 600 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	13,575.04	
26 05 19 16-0439 MLF 750 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	20,948.36	
26 05 19 16-0440 MLF #2 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	4,412.58	
26 05 19 16-0441 MLF #1/0 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	6,322.60	
26 05 19 16-0442 MLF #2/0 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	7,021.20	
26 05 19 16-0443 MLF #3/0 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	7,972.42	
26 05 19 16-0444 MLF #4/0 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	8,859.14	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0445	MLF 250 MCM Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	.....	9,548.88	
26 05 19 16-0446	MLF 350 MCM Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	.....	13,655.11	
26 05 19 16-0447	MLF 400 MCM Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	.....	14,842.42	
26 05 19 16-0448	MLF 500 MCM Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	.....	16,915.03	
26 05 19 16-0449	600 Volt, Armored Cable, Copper Conductors <small>(26 05 19 16-0309)</small>			
26 05 19 16-0450	ACTHH, Solid <small>(26 05 19 16-0449)</small>			
26 05 19 16-0451	MLF #8 AWG Cable - Type ACT, 1 Conductor, Solid	.....	1,946.78	579.01
26 05 19 16-0452	MLF #6 AWG Cable - Type ACT, 1 Conductor, Solid	.....	2,239.63	656.21
26 05 19 16-0453	MLF #4 AWG Cable - Type ACT, 1 Conductor, Solid	.....	2,535.36	694.82
26 05 19 16-0454	MLF #14 AWG Cable - Type ACTHH, 2 Conductors, Solid	.....	2,870.99	965.01
26 05 19 16-0455	MLF #12 AWG Cable - Type ACTHH, 2 Conductors, Solid	.....	3,098.83	1,080.63
26 05 19 16-0456	MLF #10 AWG Cable - Type ACTHH, 2 Conductors, Solid	.....	3,839.89	1,197.30
26 05 19 16-0457	MLF #8 AWG Cable - Type ACTHH, 2 Conductors, Solid	.....	4,895.86	1,312.90
26 05 19 16-0458	MLF #14 AWG Cable - Type ACTHH, 3 Conductors, Solid	.....	3,429.50	1,080.63
26 05 19 16-0459	MLF #12 AWG Cable - Type ACTHH, 3 Conductors, Solid	.....	3,624.66	1,197.30
26 05 19 16-0460	MLF #10 AWG Cable - Type ACTHH, 3 Conductors, Solid	.....	4,547.36	1,351.60
26 05 19 16-0461	MLF #8 AWG Cable - Type ACTHH, 3 Conductors, Solid	.....	5,765.87	1,466.63
26 05 19 16-0462	MLF #14 AWG Cable - Type ACTHH, 4 Conductors, Solid	.....	4,044.83	1,197.30
26 05 19 16-0463	MLF #12 AWG Cable - Type ACTHH, 4 Conductors, Solid	.....	4,451.60	1,351.60
26 05 19 16-0464	MLF #10 AWG Cable - Type ACTHH, 4 Conductors, Solid	.....	5,559.82	1,505.52
26 05 19 16-0465	MLF #8 AWG Cable - Type ACTHH, 4 Conductors, Solid	.....	7,050.52	1,621.91
26 05 19 16-0466	ACTHH, Stranded <small>(26 05 19 16-0449)</small>			
26 05 19 16-0467	MLF #8 AWG Cable - Type ACTHH, 2 Conductors, Stranded	.....	5,089.77	1,390.49
26 05 19 16-0468	MLF #6 AWG Cable - Type ACTHH, 2 Conductors, Stranded	.....	6,152.71	1,581.95
26 05 19 16-0469	MLF #8 AWG Cable - Type ACTHH, 3 Conductors, Stranded	.....	5,959.46	1,544.03
26 05 19 16-0470	MLF #6 AWG Cable - Type ACTHH, 3 Conductors, Stranded	.....	7,378.99	1,735.68
26 05 19 16-0471	MLF #4 AWG Cable - Type ACTHH, 3 Conductors, Stranded	.....	9,212.20	1,930.03
26 05 19 16-0472	MLF #3 AWG Cable - Type ACTHH, 3 Conductors, Stranded	.....	10,545.01	2,120.92
26 05 19 16-0473	MLF #2 AWG Cable - Type ACTHH, 3 Conductors, Stranded	.....	12,028.72	2,314.21
26 05 19 16-0474	MLF #8 AWG Cable - Type ACTHH, 4 Conductors, Stranded	.....	7,626.43	1,852.25
26 05 19 16-0475	MLF #6 AWG Cable - Type ACTHH, 4 Conductors, Stranded	.....	9,140.23	2,044.49
26 05 19 16-0476	MLF #4 AWG Cable - Type ACTHH, 4 Conductors, Stranded	.....	11,574.54	2,239.03
26 05 19 16-0477	MLF #3 AWG Cable - Type ACTHH, 4 Conductors, Stranded	.....	12,673.90	2,430.78
26 05 19 16-0478	MLF #2 AWG Cable - Type ACTHH, 4 Conductors, Stranded	.....	14,914.48	2,622.34
26 05 19 16-0479	HCFC, Solid <small>(26 05 19 16-0449)</small>			
26 05 19 16-0480	MLF #14 AWG Cable - Type HCF, 2 Conductors, Solid	.....	3,158.95	965.01
26 05 19 16-0481	MLF #12 AWG Cable - Type HCF, 2 Conductors, Solid	.....	3,471.80	1,084.29
26 05 19 16-0482	MLF #10 AWG Cable - Type HCF, 2 Conductors, Solid	.....	3,870.92	1,191.41
26 05 19 16-0483	MLF #14 AWG Cable - Type HCF, 3 Conductors, Solid	.....	3,789.14	1,084.29
26 05 19 16-0484	MLF #12 AWG Cable - Type HCF, 3 Conductors, Solid	.....	4,078.57	1,191.41
26 05 19 16-0485	MLF #10 AWG Cable - Type HCF, 3 Conductors, Solid	.....	5,240.65	1,359.22
26 05 19 16-0486	MLF #14 AWG Cable - Type HCF, 4 Conductors, Solid	.....	4,589.38	1,191.41
26 05 19 16-0487	MLF #12 AWG Cable - Type HCF, 4 Conductors, Solid	.....	5,041.45	1,359.22
26 05 19 16-0488	MLF #10 AWG Cable - Type HCF, 4 Conductors, Solid	.....	6,727.14	1,507.84
26 05 19 16-0489	MC, Solid Or Stranded, Galvanized Steel Armor <small>(26 05 19 16-0449)</small>			
26 05 19 16-0490	MLF #14 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor	.....	2,890.00	965.01
26 05 19 16-0491	MLF #12 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor	.....	3,230.02	1,084.29
26 05 19 16-0492	MLF #10 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor	.....	3,846.78	1,191.41
26 05 19 16-0493	MLF #8 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor	.....	4,839.25	1,273.15
26 05 19 16-0494	MLF #6 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor	.....	5,949.93	1,349.67
26 05 19 16-0495	MLF #14 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	.....	3,328.24	1,084.29
26 05 19 16-0496	MLF #12 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	.....	3,744.92	1,191.41
26 05 19 16-0497	MLF #10 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	.....	4,709.38	1,359.22
26 05 19 16-0498	MLF #8 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	.....	6,024.50	1,466.63
26 05 19 16-0499	MLF #6 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	.....	7,003.10	1,581.95
26 05 19 16-0500	MLF #4 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	.....	8,584.05	1,699.01
26 05 19 16-0501	MLF #2 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	.....	10,885.73	1,813.95
26 05 19 16-0502	MLF #14 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	.....	3,837.87	1,191.41
26 05 19 16-0503	MLF #12 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	.....	4,394.89	1,359.22
26 05 19 16-0504	MLF #10 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	.....	6,469.25	1,507.84
26 05 19 16-0505	MLF #8 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	.....	8,654.17	1,660.98
26 05 19 16-0506	MLF #6 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	.....	10,498.11	1,777.18
26 05 19 16-0507	MLF #4 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	.....	13,712.20	1,892.21
26 05 19 16-0508	MLF #2 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	.....	17,578.82	2,006.27
26 05 19 16-0509	MC, Solid Or Stranded, Aluminum Armor <small>(26 05 19 16-0449)</small>			
26 05 19 16-0510	MLF #14 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Aluminum Armor	.....	2,868.87	965.01
26 05 19 16-0511	MLF #12 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Aluminum Armor	.....	3,175.21	1,084.29
26 05 19 16-0512	MLF #10 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Aluminum Armor	.....	3,798.31	1,191.41
26 05 19 16-0513	MLF #14 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Aluminum Armor	.....	3,416.51	1,084.29

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0514 MLF #12 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Aluminum Armor	3,696.23	1,191.41
26 05 19 16-0515 MLF #10 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Aluminum Armor	4,670.87	1,359.22
26 05 19 16-0516 MLF #14 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Aluminum Armor	4,257.53	1,191.41
26 05 19 16-0517 MLF #12 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Aluminum Armor	4,699.05	1,359.22
26 05 19 16-0518 MLF #10 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Aluminum Armor	6,469.25	1,507.84
26 05 19 16-0519 FPLP Solid TFN Red Armored Cable (26 05 19 16-0449)		
Note: Color coded red.		
26 05 19 16-0520 MLF #18/2 With Bare #18 Ground Type TFN FPLP Red Armored Cable	2,770.53	733.41
26 05 19 16-0521 MLF #18/4 With Bare #18 Ground Type TFN FPLP Red Armored Cable	3,154.98	849.21
26 05 19 16-0522 MLF #18/6 With Bare #18 Ground Type TFN FPLP Red Armored Cable	3,864.11	965.01
26 05 19 16-0523 MLF #18/8 With Bare #18 Ground Type TFN FPLP Red Armored Cable	4,418.19	1,080.82
26 05 19 16-0524 MLF #16/2 With Bare #16 Ground Type TFN FPLP Red Armored Cable	3,161.16	849.21
26 05 19 16-0525 MLF #16/4 With Bare #16 Ground Type TFN FPLP Red Armored Cable	3,715.80	965.01
26 05 19 16-0526 MLF #16/6 With Bare #16 Ground Type TFN FPLP Red Armored Cable	4,596.27	1,080.82
26 05 19 16-0527 MLF #16/8 With Bare #16 Ground Type TFN FPLP Red Armored Cable	5,211.03	1,196.62
26 05 19 16-0528 FPLP Solid THHN Red Armored Cable (26 05 19 16-0449)		
Note: Color coded red.		
26 05 19 16-0529 MLF #14/2 With #14 Ground Type THHN FPLP Red Armored Cable	3,523.12	965.01
26 05 19 16-0530 MLF #14/4 With #14 Ground Type THHN FPLP Red Armored Cable	4,312.02	1,080.82
26 05 19 16-0531 MLF #14/6 With #14 Ground Type THHN FPLP Red Armored Cable	5,608.19	1,196.62
26 05 19 16-0532 MLF #14/8 With #14 Ground Type THHN FPLP Red Armored Cable	6,462.26	1,312.42
26 05 19 16-0533 MLF #12/2 With #12 Ground Type THHN FPLP Red Armored Cable	4,371.57	1,080.82
26 05 19 16-0534 MLF #12/4 With #12 Ground Type THHN FPLP Red Armored Cable	5,281.81	1,196.62
26 05 19 16-0535 FPLP Twisted Shielded Pair Red Armored Cable (26 05 19 16-0449)		
Note: Color coded red.		
26 05 19 16-0536 MLF #18/2 With #18 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	2,972.76	733.41
26 05 19 16-0537 MLF #18/2 With #18 Tinned Ground And #14/2 With #14 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	4,713.11	1,080.82
26 05 19 16-0538 MLF #16/2 With #16 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	3,627.97	849.21
26 05 19 16-0539 MLF #16/4 With Two #16 Tinned Grounds FPLP Twisted Shielded Pair Red Armored Cable	4,265.20	965.01
26 05 19 16-0540 MLF #16/2 With #16 Tinned Ground And #12/2 With #12 Ground FPLP Twisted Shielded Pair Red Armored Cable	5,853.68	1,196.62
26 05 19 16-0541 MLF #14/2 With One #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	4,254.40	1,003.62
26 05 19 16-0542 MLF #14/4 With Two #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	5,212.28	1,158.02
26 05 19 16-0543 Armored Cable Connectors (26 05 19 16-0449)		
26 05 19 16-0544 EA 3/4" Armored Cable Connector	5.71	2.11
For Work In Restricted Working Space, Add	1.59	
For Elevated Installation >15' To 20', Add	1.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.59	
26 05 19 16-0545 EA 1" Armored Cable Connector	7.62	2.83
For Work In Restricted Working Space, Add	2.12	
For Elevated Installation >15' To 20', Add	1.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.12	
26 05 19 16-0546 EA 1-1/4" Armored Cable Connector	9.56	3.53
For Work In Restricted Working Space, Add	2.65	
For Elevated Installation >15' To 20', Add	1.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.65	
26 05 19 16-0547 600 Volt, Feeder Wire, Single Stranded Copper (26 05 19 16-0309)		
26 05 19 16-0548 MLF #14 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	677.47	141.42
For EPR Insulation, Add	22.22	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	51.85	
26 05 19 16-0549 MLF #12 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	768.56	156.60
For EPR Insulation, Add	22.65	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	52.85	
26 05 19 16-0550 MLF #10 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	926.25	195.76
For EPR Insulation, Add	33.07	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	77.16	
26 05 19 16-0551 MLF #8 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	1,244.67	311.43
For EPR Insulation, Add	54.37	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	126.85	
26 05 19 16-0552 MLF #6 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	1,667.71	373.71
For EPR Insulation, Add	91.35	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	213.16	
26 05 19 16-0553 MLF #4 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	2,244.73	433.88
For EPR Insulation, Add	138.21	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	322.49	
26 05 19 16-0554 MLF #3 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	2,558.70	496.61
For EPR Insulation, Add	158.84	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	370.62	
26 05 19 16-0555 MLF #2 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	3,172.70	559.33
For EPR Insulation, Add	224.47	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	523.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0556 MLF #1 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,874.65	622.94
For EPR Insulation, Add	303.30	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	707.69	
26 05 19 16-0557 MLF #1/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	4,642.64	702.78
For EPR Insulation, Add	378.80	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	883.86	
26 05 19 16-0558 MLF #2/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	5,556.38	779.36
For EPR Insulation, Add	476.15	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	1,111.03	
26 05 19 16-0559 MLF #3/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	6,613.43	870.05
For EPR Insulation, Add	595.01	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	1,388.36	
26 05 19 16-0560 MLF #4/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	7,441.37	967.36
For EPR Insulation, Add	679.50	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	1,585.50	
26 05 19 16-0561 MLF 250 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	7,943.33	1,060.97
For EPR Insulation, Add	715.10	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	1,668.56	
26 05 19 16-0562 MLF 300 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	9,296.56	1,166.30
For EPR Insulation, Add	878.38	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	2,049.55	
26 05 19 16-0563 MLF 350 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	10,337.38	1,236.44
For EPR Insulation, Add	994.80	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	2,321.21	
26 05 19 16-0564 MLF 400 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	11,536.83	1,381.92
For EPR Insulation, Add	1,135.02	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	2,648.38	
26 05 19 16-0565 MLF 500 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	13,107.51	1,536.93
For EPR Insulation, Add	1,330.92	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	3,105.48	
26 05 19 16-0566 MLF 600 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	15,254.39	1,599.04
For EPR Insulation, Add	1,600.02	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	3,733.38	
26 05 19 16-0567 MLF 750 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	24,165.61	1,661.06
For EPR Insulation, Add	2,857.30	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	6,667.04	
26 05 19 16-0568 MLF 1,000 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	30,184.81	1,774.87
For EPR Insulation, Add	3,707.25	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	8,650.25	
26 05 19 16-0569 MLF #16 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,133.44	317.43
26 05 19 16-0570 MLF #14 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,386.43	352.89
26 05 19 16-0571 MLF #12 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,726.52	423.83
26 05 19 16-0572 MLF #10 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,041.29	493.87
26 05 19 16-0573 MLF #8 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,896.75	528.81
26 05 19 16-0574 MLF #18 AWG Cable - Type TFFN 600 Volt Copper, Single Stranded, Placed In Conduit	403.14	176.45
26 05 19 16-0575 MLF #16 AWG Cable - Type TFFN 600 Volt Copper, Single Stranded, Placed In Conduit	502.95	194.09
26 05 19 16-0576 MLF #14 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	513.20	141.51
26 05 19 16-0577 MLF #12 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	632.48	168.68
26 05 19 16-0578 MLF #10 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	772.52	212.18
26 05 19 16-0579 MLF #8 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	1,063.70	279.67
26 05 19 16-0580 MLF #6 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	1,416.37	337.72
26 05 19 16-0581 MLF #4 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	1,834.14	399.12
26 05 19 16-0582 MLF #3 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	2,178.86	451.79
26 05 19 16-0583 MLF #2 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	2,581.32	505.96
26 05 19 16-0584 MLF #1 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	3,043.98	570.98
26 05 19 16-0585 MLF #1/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	3,538.66	625.24
26 05 19 16-0586 MLF #2/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	3,992.31	690.96
26 05 19 16-0587 MLF #3/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	4,675.62	730.84
26 05 19 16-0588 MLF #4/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	5,522.51	822.23
26 05 19 16-0589 MLF 250 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	6,432.64	874.73
26 05 19 16-0590 MLF 300 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	7,377.82	990.66
26 05 19 16-0591 MLF 350 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	8,388.25	1,096.35
26 05 19 16-0592 MLF 400 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	9,365.76	1,126.35
26 05 19 16-0593 MLF 500 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	11,005.58	1,191.63
26 05 19 16-0594 MLF 600 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	13,486.82	1,402.30
26 05 19 16-0595 MLF 750 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	20,177.66	1,661.06
26 05 19 16-0596 MLF 1,000 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit	24,107.93	2,005.49
26 05 19 16-0597 MLF #16 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,566.06	423.83
26 05 19 16-0598 MLF #14 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,772.86	493.87
26 05 19 16-0599 MLF #12 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,043.47	565.07
26 05 19 16-0600 MLF #10 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,519.42	634.94
26 05 19 16-0601 MLF #8 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,835.58	705.79
26 05 19 16-0602 MLF #6 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,445.41	775.65
26 05 19 16-0603 600 Volt, Feeder Wire, Single Stranded Aluminum (26 05 19 16-0309)		
26 05 19 16-0604 MLF #6 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	845.92	267.58
26 05 19 16-0605 MLF #4 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	996.00	311.14
26 05 19 16-0606 MLF #2 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	1,294.54	399.40
26 05 19 16-0607 MLF #1 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	1,548.57	446.00
26 05 19 16-0608 MLF #1/0 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	1,776.62	502.48
26 05 19 16-0609 MLF #2/0 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	2,001.43	554.60
26 05 19 16-0610 MLF #3/0 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	2,328.73	625.89



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0611 MLF #4/0 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	2,575.23	690.53
26 05 19 16-0612 MLF 250 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	2,934.12	759.11
26 05 19 16-0613 MLF 300 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	3,495.28	825.52
26 05 19 16-0614 MLF 350 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	3,684.98	891.91
26 05 19 16-0615 MLF 400 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	4,181.42	992.05
26 05 19 16-0616 MLF 500 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	4,606.95	1,092.15
26 05 19 16-0617 MLF 600 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	5,558.13	1,272.24
26 05 19 16-0618 MLF 700 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	6,231.58	1,394.72
26 05 19 16-0619 MLF 750 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit	6,388.70	1,446.43
26 05 19 16-0620 MLF 1,000 MCM Cable - Type THHN-THWN, 600 Volt, Aluminum, Single Stranded, Placed In Conduit.....	8,514.57	1,754.60
26 05 19 16-0621 MLF #8 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	932.71	313.28
26 05 19 16-0622 MLF #6 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	1,049.73	352.89
26 05 19 16-0623 MLF #4 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	1,291.79	434.15
26 05 19 16-0624 MLF #2 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	1,610.74	532.16
26 05 19 16-0625 MLF #1 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	1,976.62	626.47
26 05 19 16-0626 MLF 1/0 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	2,257.75	706.05
26 05 19 16-0627 MLF 2/0 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	2,542.60	784.21
26 05 19 16-0628 MLF 3/0 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	2,862.06	855.59
26 05 19 16-0629 MLF 4/0 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	3,079.88	910.55
26 05 19 16-0630 MLF 250 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	3,416.47	974.24
26 05 19 16-0631 MLF 300 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	3,965.16	1,044.11
26 05 19 16-0632 MLF 350 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	4,197.02	1,127.93
26 05 19 16-0633 MLF 400 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	4,685.22	1,230.00
26 05 19 16-0634 MLF 500 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	5,305.04	1,411.57
26 05 19 16-0635 MLF 600 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	5,964.22	1,485.50
26 05 19 16-0636 MLF 700 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	6,513.25	1,566.14
26 05 19 16-0637 MLF 750 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	6,785.48	1,664.41
26 05 19 16-0638 MLF 1,000 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	9,738.59	2,332.61
26 05 19 16-0639 MLF #6 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	1,084.78	352.89
26 05 19 16-0640 MLF #4 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	1,345.45	434.06
26 05 19 16-0641 MLF #2 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	1,667.85	532.87
26 05 19 16-0642 MLF #1 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	2,037.60	622.94
26 05 19 16-0643 MLF #1/0 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	2,300.91	702.78
26 05 19 16-0644 MLF #2/0 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	2,585.02	779.36
26 05 19 16-0645 MLF #3/0 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	2,937.64	855.59
26 05 19 16-0646 MLF #4/0 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	3,179.19	910.55
26 05 19 16-0647 MLF 250 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	3,533.65	973.63
26 05 19 16-0648 MLF 300 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	4,118.26	1,045.44
26 05 19 16-0649 MLF 350 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	4,386.14	1,129.43
26 05 19 16-0650 MLF 400 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	4,827.34	1,227.18
26 05 19 16-0651 MLF 500 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	5,554.42	1,411.57
26 05 19 16-0652 MLF 600 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	6,192.24	1,481.53
26 05 19 16-0653 MLF 700 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	6,774.26	1,566.14
26 05 19 16-0654 MLF 750 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	7,076.83	1,659.38
26 05 19 16-0655 Non-Metallic Sheathed Cable <small>(26 05 19 16-0309)</small>		
26 05 19 16-0656 Indoor Installation <small>(26 05 19 16-0655)</small>		
<i>Note: For NM, NM-B, NMC-B and NMS-B.</i>		
26 05 19 16-0657 MLF #14-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable.....	1,924.31	670.41
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	<i>251.40</i>	
26 05 19 16-0658 MLF #14-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable.....	2,366.51	811.65
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	<i>304.38</i>	
26 05 19 16-0659 MLF #12-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable.....	2,105.05	762.24
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	<i>271.29</i>	
26 05 19 16-0660 MLF #12-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable.....	2,611.94	846.76
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	<i>317.55</i>	
26 05 19 16-0661 MLF #10-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable.....	2,647.39	847.20
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	<i>317.71</i>	
26 05 19 16-0662 MLF #10-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable.....	3,238.26	988.27
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	<i>370.60</i>	
26 05 19 16-0663 MLF #8-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable.....	3,354.94	1,014.56
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	<i>361.27</i>	
26 05 19 16-0664 MLF #8-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable.....	4,339.98	1,226.30
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	<i>436.70</i>	
26 05 19 16-0665 MLF #6-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable.....	4,025.21	1,155.72
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	<i>410.24</i>	
26 05 19 16-0666 MLF #6-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable.....	5,173.55	1,393.92
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	<i>496.25</i>	
26 05 19 16-0667 MLF #4-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable.....	6,663.94	1,535.08
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	<i>545.88</i>	
26 05 19 16-0668 MLF #2-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable.....	9,196.71	1,667.41
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	<i>595.50</i>	
26 05 19 16-0669 Direct Burial Cable <small>(26 05 19 16-0655)</small>		
<i>Note: Excludes trench and backfill. For NM, NM-B, NMC-B and NMS-B. Copper.</i>		
26 05 19 16-0670 MLF #14-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	2,055.63	
26 05 19 16-0671 MLF #14-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	2,605.49	
26 05 19 16-0672 MLF #12-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	2,598.90	
26 05 19 16-0673 MLF #12-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	3,047.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0674 MLF #10-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	2,877.51	
26 05 19 16-0675 MLF #10-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	3,617.12	
26 05 19 16-0676 MLF #8-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	3,835.55	
26 05 19 16-0677 MLF #8-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	4,840.36	
26 05 19 16-0678 MLF #6-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	4,922.14	
26 05 19 16-0679 MLF #6-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	5,859.67	
26 05 19 16-0680 SEU Cable Copper, 3 Conductor <small>(26 05 19 16-0655)</small>		
26 05 19 16-0681 MLF 12-12-12 Cable SEU Copper	2,521.34	849.50
26 05 19 16-0682 MLF 10-10-10 Cable SEU Copper	3,123.36	965.01
26 05 19 16-0683 MLF 8-8-8 Cable SEU Copper	3,837.80	1,080.63
26 05 19 16-0684 MLF 6-6-8 Cable SEU Copper	4,575.73	1,158.51
26 05 19 16-0685 MLF 6-6-6 Cable SEU Copper	4,902.54	1,197.30
26 05 19 16-0686 MLF 4-4-6 Cable SEU Copper	5,917.56	1,312.90
26 05 19 16-0687 MLF 4-4-4 Cable SEU Copper	6,350.98	1,351.60
26 05 19 16-0688 MLF 3-3-5 Cable SEU Copper	7,351.99	1,466.63
26 05 19 16-0689 MLF 3-3-3 Cable SEU Copper	7,803.60	1,544.03
26 05 19 16-0690 MLF 2-2-4 Cable SEU Copper	8,325.41	1,621.91
26 05 19 16-0691 MLF 2-2-2 Cable SEU Copper	8,887.15	1,699.01
26 05 19 16-0692 MLF 1-1-1 Cable SEU Copper	10,819.26	1,930.03
26 05 19 16-0693 MLF 1/0-1/0-1/0 Cable SEU Copper	12,823.31	2,163.76
26 05 19 16-0694 MLF 2/0-2/0-2/0 Cable SEU Copper	15,375.48	2,436.95
26 05 19 16-0695 MLF 3/0-3/0-3/0 Cable SEU Copper	18,411.73	2,710.73
26 05 19 16-0696 MLF 4/0-4/0-4/0 Cable SEU Copper	20,574.44	3,025.13
26 05 19 16-0697 SEU Cable Aluminum, 3 Conductor <small>(26 05 19 16-0655)</small>		
26 05 19 16-0698 MLF 8-8-8 Cable SEU Aluminum	3,082.57	1,084.29
26 05 19 16-0699 MLF 6-6-6 Cable SEU Aluminum	3,456.52	1,191.41
26 05 19 16-0700 MLF 4-4-6 Cable SEU Aluminum	3,838.23	1,304.13
26 05 19 16-0701 MLF 4-4-4 Cable SEU Aluminum	4,010.91	1,359.22
26 05 19 16-0702 MLF 2-2-4 Cable SEU Aluminum	4,775.96	1,608.39
26 05 19 16-0703 MLF 2-2-2 Cable SEU Aluminum	5,051.41	1,693.02
26 05 19 16-0704 MLF 1-1-1 Cable SEU Aluminum	5,934.78	1,930.03
26 05 19 16-0705 MLF 1/0-1/0-2 Cable SEU Aluminum	6,267.61	2,031.64
26 05 19 16-0706 MLF 1/0-1/0-1/0 Cable SEU Aluminum	7,201.13	2,144.46
26 05 19 16-0707 MLF 2/0-2/0-1 Cable SEU Aluminum	7,081.45	2,297.71
26 05 19 16-0708 MLF 2/0-2/0-2/0 Cable SEU Aluminum	7,461.98	2,412.54
26 05 19 16-0709 MLF 3/0-3/0-1/0 Cable SEU Aluminum	7,998.06	2,526.23
26 05 19 16-0710 MLF 3/0-3/0-3/0 Cable SEU Aluminum	8,528.32	2,680.62
26 05 19 16-0711 MLF 4/0-4/0-2/0 Cable SEU Aluminum	9,090.96	2,897.95
26 05 19 16-0712 MLF 4/0-4/0-4/0 Cable SEU Aluminum	9,543.64	3,015.68
26 05 19 16-0713 SER Cable Copper, 4 Conductor <small>(26 05 19 16-0655)</small>		
26 05 19 16-0714 MLF 6-6-6-6 Cable SER Copper	7,740.20	1,390.49
26 05 19 16-0715 MLF 4-4-4-6 Cable SER Copper	9,909.18	1,505.52
26 05 19 16-0716 MLF 3-3-3-5 Cable SER Copper	11,617.41	1,699.01
26 05 19 16-0717 MLF 2-2-2-4 Cable SER Copper	13,528.56	1,852.25
26 05 19 16-0718 MLF 1-1-1-3 Cable SER Copper	16,444.11	2,120.92
26 05 19 16-0719 MLF 1/0-1/0-1/0-2 Cable SER Copper	20,851.47	2,430.78
26 05 19 16-0720 MLF 2/0-2/0-2/0-1 Cable SER Copper	24,834.33	2,622.34
26 05 19 16-0721 MLF 3/0-3/0-3/0-1/0 Cable SER Copper	29,898.09	2,933.17
26 05 19 16-0722 Control Tray Cable, Low Voltage <small>(26 05 19 16-0011)</small>		
Note: Type "TC" multi-conductor (individually numbered conductors) control cables installed in conduit.		
26 05 19 16-0723 MLF 2 Conductor #18 AWG, Stranded, Type TC Control Cable	911.99	427.96
<i>For Work In Restricted Working Space, Add</i>		<i>213.98</i>
26 05 19 16-0724 MLF 3 Conductor #18 AWG, Stranded, Type TC Control Cable	1,053.37	478.74
<i>For Work In Restricted Working Space, Add</i>		<i>239.37</i>
26 05 19 16-0725 MLF 4 Conductor #18 AWG, Stranded, Type TC Control Cable	1,105.42	478.70
<i>For Work In Restricted Working Space, Add</i>		<i>239.37</i>
26 05 19 16-0726 MLF 5 Conductor #18 AWG, Stranded, Type TC Control Cable	1,383.94	600.43
<i>For Work In Restricted Working Space, Add</i>		<i>300.21</i>
26 05 19 16-0727 MLF 7 Conductor #18 AWG, Stranded, Type TC Control Cable	1,744.62	731.67
<i>For Work In Restricted Working Space, Add</i>		<i>365.84</i>
26 05 19 16-0728 MLF 9 Conductor #18 AWG, Stranded, Type TC Control Cable	1,993.90	804.60
<i>For Work In Restricted Working Space, Add</i>		<i>402.30</i>
26 05 19 16-0729 MLF 12 Conductor #18 AWG, Stranded, Type TC Control Cable	2,375.31	914.22
<i>For Work In Restricted Working Space, Add</i>		<i>457.11</i>
26 05 19 16-0730 MLF 15 Conductor #18 AWG, Stranded, Type TC Control Cable	3,007.33	1,117.43
<i>For Work In Restricted Working Space, Add</i>		<i>558.71</i>
26 05 19 16-0731 MLF 19 Conductor #18 AWG, Stranded, Type TC Control Cable	3,441.67	1,219.06
<i>For Work In Restricted Working Space, Add</i>		<i>609.53</i>
26 05 19 16-0732 MLF 25 Conductor #18 AWG, Stranded, Type TC Control Cable	4,091.86	1,257.17
<i>For Work In Restricted Working Space, Add</i>		<i>628.59</i>
26 05 19 16-0733 MLF 30 Conductor #18 AWG, Stranded, Type TC Control Cable	5,016.29	1,570.55
<i>For Work In Restricted Working Space, Add</i>		<i>785.27</i>

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0734 MLF 37 Conductor #18 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	6,020.86 917.74	1,835.48
26 05 19 16-0735 MLF 2 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	999.17 225.23	450.81
26 05 19 16-0736 MLF 3 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,159.24 251.96	503.93
26 05 19 16-0737 MLF 4 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,351.33 290.08	580.15
26 05 19 16-0738 MLF 5 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,532.41 316.01	632.02
26 05 19 16-0739 MLF 7 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,940.09 385.09	770.19
26 05 19 16-0740 MLF 9 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,227.70 423.47	846.94
26 05 19 16-0741 MLF 12 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,668.41 481.17	962.33
26 05 19 16-0742 MLF 15 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,391.51 588.10	1,176.19
26 05 19 16-0743 MLF 19 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,900.89 641.56	1,283.11
26 05 19 16-0744 MLF 25 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,701.28 661.67	1,323.34
26 05 19 16-0745 MLF 30 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	5,753.60 826.56	1,653.12
26 05 19 16-0746 MLF 37 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	6,922.30 966.04	1,932.08
26 05 19 16-0747 MLF 2 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,085.91 235.29	470.58
26 05 19 16-0748 MLF 3 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,302.12 264.67	529.34
26 05 19 16-0749 MLF 4 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,528.82 302.52	605.04
26 05 19 16-0750 MLF 5 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,724.74 325.81	651.62
26 05 19 16-0751 MLF 7 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,307.09 399.38	798.77
26 05 19 16-0752 MLF 9 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,665.31 441.20	882.23
26 05 19 16-0753 MLF 12 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,285.03 492.28	984.56
26 05 19 16-0754 MLF 15 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,923.77 588.10	1,176.02
26 05 19 16-0755 MLF 19 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	6,724.37 683.11	1,366.58
26 05 19 16-0756 MLF 25 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	5,904.32 799.04	1,597.72
26 05 19 16-0757 MLF 30 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	6,873.68 892.73	1,785.45
26 05 19 16-0758 MLF 37 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	8,290.56 1,043.33	2,086.64
26 05 19 16-0759 MLF 2 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,271.60 251.96	503.93
26 05 19 16-0760 MLF 3 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,526.30 278.70	557.57
26 05 19 16-0761 MLF 4 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,861.74 320.78	641.56
26 05 19 16-0762 MLF 5 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,113.88 341.42	682.85
26 05 19 16-0763 MLF 7 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,799.88 407.06	814.12
26 05 19 16-0764 MLF 9 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,460.89 481.17	962.33
26 05 19 16-0765 MLF 12 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,222.36 542.84	1,085.67
26 05 19 16-0766 MLF 15 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	5,032.88 622.76	1,245.53
26 05 19 16-0767 MLF 19 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	5,960.44 705.87	1,411.75
26 05 19 16-0768 MLF 25 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	7,658.53 824.97	1,649.94
26 05 19 16-0769 MLF 30 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	8,865.93 964.19	1,928.38
26 05 19 16-0770 MLF 37 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	10,735.11 1,126.96	2,253.91
26 05 19 16-0771 MLF 2 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,526.86 264.67	529.34
26 05 19 16-0772 MLF 3 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,919.07 290.08	580.51
26 05 19 16-0773 MLF 4 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,344.72 330.83	661.67
26 05 19 16-0774 MLF 5 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,733.94 358.89	717.78
26 05 19 16-0775 MLF 7 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,713.39 450.47	900.93



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0776 MLF 9 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,412.92 504.20	1,008.39
26 05 19 16-0777 MLF 12 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	5,142.05 588.10	1,176.19
26 05 19 16-0778 MLF 15 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	6,085.84 672.52	1,345.05
26 05 19 16-0779 MLF 19 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	7,230.62 762.25	1,524.49
26 05 19 16-0780 MLF 25 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	9,350.79 890.87	1,781.75
26 05 19 16-0781 MLF 30 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	10,818.26 1,041.21	2,082.42
26 05 19 16-0782 MLF 37 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	13,129.51 1,217.21	2,434.42
26 05 19 16-0783 ACSR (Aluminum Conductor Steel Reinforced) <small>(26 05 19 16-0011)</small>		
<i>Note: Concentric lay stranded Class A galvanizing installed on poles, aerially.</i>		
26 05 19 16-0784 ACSR Cable <small>(26 05 19 16-0783)</small>		
26 05 19 16-0785 MLF #4 AWG ACSR Cable Swan 6/1 Installed On Poles, Aluminum Cable.....	1,233.82	436.90
26 05 19 16-0786 MLF #4 AWG ACSR Cable Swanate 7/1 Installed On Poles, Aluminum Cable.....	1,295.04	453.65
26 05 19 16-0787 MLF #2 AWG ACSR Cable Sparrow 6/1 Installed On Poles, Aluminum Cable.....	1,370.22	471.12
26 05 19 16-0788 MLF #2 AWG ACSR Cable Sparate 7/1 Installed On Poles, Aluminum Cable.....	1,432.00	488.18
26 05 19 16-0789 MLF #1/0 AWG ACSR Cable Raven 6/1 Installed On Poles, Aluminum Cable.....	1,536.09	504.73
26 05 19 16-0790 MLF #2/0 AWG ACSR Cable Quail 6/1 Installed On Poles, Aluminum Cable.....	1,765.69	572.16
26 05 19 16-0791 MLF #3/0 AWG ACSR Cable Pigeon 6/1 Installed On Poles, Aluminum Cable.....	2,006.30	638.08
26 05 19 16-0792 MLF #4/0 AWG ACSR Cable Penguin 6/1 Installed On Poles, Aluminum Cable.....	2,263.70	704.92
26 05 19 16-0793 MLF #1 Bare Aluminum Wire.....	1,713.29	609.09
26 05 19 16-0794 MLF 336 AWG ACSR Cable Merlin 18/1 Installed On Pole, Aluminum Cable.....	2,773.13	905.90
26 05 19 16-0795 MLF 477 AWG ACSR Cable Hawk 26/1 Installed On Pole, Aluminum Cable.....	3,167.50	1,039.15
26 05 19 16-0796 All Aluminum Conductors <small>(26 05 19 16-0783)</small>		
26 05 19 16-0797 MLF 795.0 ACSR Conductor Aluminum.....	23,404.02	8,528.90
26 05 19 16-0798 Single Conductor Installed On Poles <small>(26 05 19 16-0011)</small>		
26 05 19 16-0799 Bare Stranded Conductor <small>(26 05 19 16-0798)</small>		
26 05 19 16-0800 MLF #12 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	1,084.21	370.17
26 05 19 16-0801 MLF #10 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	1,256.28	403.49
26 05 19 16-0802 MLF #8 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	1,429.42	437.20
26 05 19 16-0803 MLF #6 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	1,721.24	471.12
26 05 19 16-0804 MLF #4 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	2,061.47	505.13
26 05 19 16-0805 MLF #2 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	2,897.87	605.88
26 05 19 16-0806 MLF #1 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	3,319.28	673.02
26 05 19 16-0807 MLF #1/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	3,774.38	738.94
26 05 19 16-0808 MLF #2/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	5,008.70	876.42
26 05 19 16-0809 MLF #3/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	6,052.08	1,007.65
26 05 19 16-0810 MLF #4/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	6,523.93	1,142.01
26 05 19 16-0811 MLF 250 MCM 1/c Bare Stranded Copper Cable, Installed On Poles.....	8,211.78	1,345.92
26 05 19 16-0812 MLF 300 MCM 1/c Bare Stranded Copper Cable, Installed On Poles.....	8,418.64	1,416.79
26 05 19 16-0813 MLF 350 MCM 1/c Bare Stranded Copper Cable, Installed On Poles.....	10,378.41	1,483.72
26 05 19 16-0814 MLF 400 MCM 1/c Bare Stranded Copper Cable, Installed On Poles.....	11,424.97	1,544.59
26 05 19 16-0815 MLF 500 MCM 1/c Bare Stranded Copper Cable, Installed On Poles.....	13,231.03	1,610.51
26 05 19 16-0816 Insulated Stranded Conductor <small>(26 05 19 16-0798)</small>		
26 05 19 16-0817 MLF #12 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	1,158.28	370.17
26 05 19 16-0818 MLF #10 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	1,351.85	403.49
26 05 19 16-0819 MLF #8 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	1,618.09	437.20
26 05 19 16-0820 MLF #6 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	1,756.95	471.12
26 05 19 16-0821 MLF #4 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	2,115.96	505.13
26 05 19 16-0822 MLF #2 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	2,819.18	605.88
26 05 19 16-0823 MLF #1 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	3,311.43	673.02
26 05 19 16-0824 MLF #1/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	3,883.95	738.94
26 05 19 16-0825 MLF #2/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	4,672.25	876.42
26 05 19 16-0826 MLF #3/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	5,583.10	1,007.65
26 05 19 16-0827 MLF #4/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	6,560.52	1,142.01
26 05 19 16-0828 MLF 250 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles.....	7,987.93	1,345.92
26 05 19 16-0829 MLF 300 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles.....	9,011.17	1,416.79
26 05 19 16-0830 MLF 350 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles.....	9,849.86	1,483.72
26 05 19 16-0831 MLF 400 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles.....	10,986.73	1,544.59
26 05 19 16-0832 MLF 500 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles.....	12,298.90	1,610.51
26 05 19 16-0833 Bare Solid Conductor <small>(26 05 19 16-0798)</small>		
26 05 19 16-0834 MLF #12 AWG 1/c Bare Solid Copper Cable, Installed On Poles.....	1,084.21	370.17
26 05 19 16-0835 MLF #8 AWG 1/c Bare Solid Copper Cable, Installed On Poles.....	1,429.42	437.20
26 05 19 16-0836 MLF #6 AWG 1/c Bare Solid Copper Cable, Installed On Poles.....	1,721.24	471.12

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 19 16-0837	MLF #4 AWG 1/c Bare Solid Copper Cable, Installed On Poles.....	2,038.96	505.13
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26 05 23 Control-Voltage Electrical Power Cables (26 05)**26 05 23 00-0001 Cable For HVAC System Controls** (26 05 23)**26 05 23 00-0002 Low Voltage Thermostat Cable To 300 Volts** (26 05 23 00-0001)

Note: For surface or conduit installation.

26 05 23 00-0003	MLF #20/2 Conductor, Low Volt Thermostat Cable.....	356.79	112.49
26 05 23 00-0004	MLF #20/3 Conductor, Low Volt Thermostat Cable.....	401.10	118.48
26 05 23 00-0005	MLF #20/4 Conductor, Low Volt Thermostat Cable.....	432.73	125.28
26 05 23 00-0006	MLF #20/5 Conductor, Low Volt Thermostat Cable.....	505.51	130.57
26 05 23 00-0007	MLF #20/6 Conductor, Low Volt Thermostat Cable.....	528.67	136.74
26 05 23 00-0008	MLF #20/7 Conductor, Low Volt Thermostat Cable.....	577.81	142.43
26 05 23 00-0009	MLF #20/8 Conductor, Low Volt Thermostat Cable.....	621.07	148.13
26 05 23 00-0010	MLF #20/9 Conductor, Low Volt Thermostat Cable.....	670.01	154.04
26 05 23 00-0011	MLF #20/10 Conductor, Low Volt Thermostat Cable.....	716.39	158.66
26 05 23 00-0012	MLF #18/2 Conductor, Low Volt Thermostat Cable.....	381.38	112.49
26 05 23 00-0013	MLF #18/3 Conductor, Low Volt Thermostat Cable.....	444.97	118.48
26 05 23 00-0014	MLF #18/4 Conductor, Low Volt Thermostat Cable.....	502.32	125.28
26 05 23 00-0015	MLF #18/5 Conductor, Low Volt Thermostat Cable.....	534.24	130.57
26 05 23 00-0016	MLF #18/6 Conductor, Low Volt Thermostat Cable.....	586.38	136.74
26 05 23 00-0017	MLF #18/7 Conductor, Low Volt Thermostat Cable.....	604.31	142.43
26 05 23 00-0018	MLF #18/8 Conductor, Low Volt Thermostat Cable.....	661.50	148.13
26 05 23 00-0019	MLF #18/9 Conductor, Low Volt Thermostat Cable.....	767.03	154.04
26 05 23 00-0020	MLF #18/10 Conductor, Low Volt Thermostat Cable.....	836.06	158.66

26 05 26 Grounding And Bonding For Electrical Systems (26 05)**26 05 26 00-0001 Conductors, Straps And Conduit Jumpers** (26 05 26)**26 05 26 00-0002 Single Conductor** (26 05 26 00-0001)**26 05 26 00-0003 Copper Bare Stranded Conductors** (26 05 26 00-0002)

26 05 26 00-0004	MLF 12 AWG Copper Bare Single Stranded Conductor.....	470.37	181.13
26 05 26 00-0005	MLF 10 AWG Copper Bare Single Stranded Conductor.....	614.36	181.13
26 05 26 00-0006	MLF 8 AWG Copper Bare Single Stranded Conductor.....	759.09	218.18
26 05 26 00-0007	MLF 6 AWG Copper Bare Single Stranded Conductor.....	1,029.76	218.18
26 05 26 00-0008	MLF 4 AWG Copper Bare Single Stranded Conductor.....	1,370.16	263.47
26 05 26 00-0009	MLF 2 AWG Copper Bare Single Stranded Conductor.....	2,133.07	263.47
26 05 26 00-0010	MLF 1 AWG Copper Bare Single Stranded Conductor.....	2,463.01	316.99
26 05 26 00-0011	MLF 1/0 AWG Copper Bare Single Stranded Conductor.....	2,887.19	316.99
26 05 26 00-0012	MLF 2/0 AWG Copper Bare Single Stranded Conductor.....	4,026.02	399.31
26 05 26 00-0013	MLF 3/0 AWG Copper Bare Single Stranded Conductor.....	4,953.65	399.31
26 05 26 00-0014	MLF 4/0 AWG Copper Bare Single Stranded Conductor.....	5,268.14	531.05
26 05 26 00-0015	MLF 250 MCM Copper Bare Single Stranded Conductor.....	6,743.19	531.05
26 05 26 00-0016	MLF 300 MCM Copper Bare Single Stranded Conductor.....	6,773.62	613.38
26 05 26 00-0017	MLF 350 MCM Copper Bare Single Stranded Conductor.....	9,093.36	613.38
26 05 26 00-0018	MLF 500 MCM Copper Bare Single Stranded Conductor.....	12,390.49	757.46

26 05 26 00-0019 Copper Insulated Single Stranded Conductors (26 05 26 00-0002)

26 05 26 00-0020	MLF 12 AWG Copper Insulated Single Stranded Conductor.....	858.37	247.00
26 05 26 00-0021	MLF 10 AWG Copper Insulated Single Stranded Conductor.....	920.37	247.00
26 05 26 00-0022	MLF 8 AWG Copper Insulated Single Stranded Conductor.....	1,174.42	247.00
26 05 26 00-0023	MLF 6 AWG Copper Insulated Single Stranded Conductor.....	1,338.66	428.14
26 05 26 00-0024	MLF 4 AWG Copper Insulated Single Stranded Conductor.....	1,800.14	428.14
26 05 26 00-0025	MLF 2 AWG Copper Insulated Single Stranded Conductor.....	2,529.80	428.14
26 05 26 00-0026	MLF 1 AWG Copper Insulated Single Stranded Conductor.....	3,051.44	749.23
26 05 26 00-0027	MLF 1/0 AWG Copper Insulated Single Stranded Conductor.....	3,716.68	749.23
26 05 26 00-0028	MLF 2/0 AWG Copper Insulated Single Stranded Conductor.....	4,346.66	749.23
26 05 26 00-0029	MLF 3/0 AWG Copper Insulated Single Stranded Conductor.....	5,165.50	749.23
26 05 26 00-0030	MLF 4/0 AWG Copper Insulated Single Stranded Conductor.....	6,081.93	979.77
26 05 26 00-0031	MLF 250 MCM Copper Insulated Single Stranded Conductor.....	7,338.16	979.77
26 05 26 00-0032	MLF 300 MCM Copper Insulated Single Stranded Conductor.....	8,536.05	979.77
26 05 26 00-0033	MLF 350 MCM Copper Insulated Single Stranded Conductor.....	10,019.44	1,523.17
26 05 26 00-0034	MLF 500 MCM Copper Insulated Single Stranded Conductor.....	13,049.08	1,523.17

26 05 26 00-0035 Copper Bare Single Solid Conductors (26 05 26 00-0002)

26 05 26 00-0036	MLF 12 AWG Copper Bare Single Solid Conductor.....	470.37	181.13
26 05 26 00-0037	MLF 10 AWG Copper Bare Single Solid Conductor.....	614.36	181.13
26 05 26 00-0038	MLF 8 AWG Copper Bare Single Solid Conductor.....	759.09	218.18
26 05 26 00-0039	MLF 6 AWG Copper Bare Single Solid Conductor.....	1,029.76	218.18
26 05 26 00-0040	MLF 4 AWG Copper Bare Single Solid Conductor.....	1,370.16	263.47
26 05 26 00-0041	MLF 2 AWG Copper Bare Single Solid Conductor.....	2,133.07	263.47
26 05 26 00-0042	MLF 1/0 AWG Copper Bare Single Solid Conductor.....	2,887.19	316.99
26 05 26 00-0043	MLF 4/0 AWG Copper Bare Single Solid Conductor.....	5,268.14	419.90



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0044 Aluminum Bare Single Stranded Conductors <small>(26 05 26 00-0002)</small>		
26 05 26 00-0045 MLF 8 AWG Aluminum Bare Single Stranded Conductor.....	527.65	218.18
26 05 26 00-0046 MLF 6 AWG Aluminum Bare Single Stranded Conductor.....	576.99	218.18
26 05 26 00-0047 MLF 4 AWG Aluminum Bare Single Stranded Conductor.....	653.26	263.47
26 05 26 00-0048 MLF 2 AWG Aluminum Bare Single Stranded Conductor.....	807.82	263.47
26 05 26 00-0049 MLF 1 AWG Aluminum Bare Single Stranded Conductor.....	922.69	316.99
26 05 26 00-0050 MLF 1/0 AWG Aluminum Bare Single Stranded Conductor.....	1,056.70	316.99
26 05 26 00-0051 MLF 2/0 AWG Aluminum Bare Single Stranded Conductor.....	1,204.31	399.31
26 05 26 00-0052 MLF 3/0 AWG Aluminum Bare Single Stranded Conductor.....	1,380.28	399.31
26 05 26 00-0053 MLF 4/0 AWG Aluminum Bare Single Stranded Conductor.....	1,644.91	531.05
26 05 26 00-0054 MLF 250 MCM Aluminum Bare Single Stranded Conductor.....	1,836.84	531.05
26 05 26 00-0055 MLF 300 MCM Aluminum Bare Single Stranded Conductor.....	2,163.65	613.38
26 05 26 00-0056 MLF 350 MCM Aluminum Bare Single Stranded Conductor.....	2,443.76	613.38
26 05 26 00-0057 MLF 500 MCM Aluminum Bare Single Stranded Conductor.....	2,881.01	757.46
26 05 26 00-0058 Aluminum Bare Single Solid Conductors <small>(26 05 26 00-0002)</small>		
26 05 26 00-0059 MLF 8 AWG Aluminum Bare Single Solid Conductor.....	527.65	218.18
26 05 26 00-0060 MLF 6 AWG Aluminum Bare Single Solid Conductor.....	576.99	218.18
26 05 26 00-0061 MLF 4 AWG Aluminum Bare Single Solid Conductor.....	653.26	263.47
26 05 26 00-0062 MLF 2 AWG Aluminum Bare Single Solid Conductor.....	807.82	263.47
26 05 26 00-0063 MLF 1 AWG Aluminum Bare Single Solid Conductor.....	889.46	419.90
26 05 26 00-0064 MLF 1/0 AWG Aluminum Bare Single Solid Conductor.....	1,056.70	419.90
26 05 26 00-0065 MLF 2/0 AWG Aluminum Bare Single Solid Conductor.....	1,122.01	399.31
26 05 26 00-0066 MLF 3/0 AWG Aluminum Bare Single Solid Conductor.....	1,214.54	399.31
26 05 26 00-0067 MLF 4/0 AWG Aluminum Bare Single Solid Conductor.....	1,644.91	531.05
26 05 26 00-0068 MLF 250 MCM Aluminum Bare Single Solid Conductor.....	1,836.84	531.05
26 05 26 00-0069 MLF 300 MCM Aluminum Bare Single Solid Conductor.....	2,163.65	613.38
26 05 26 00-0070 MLF 350 MCM Aluminum Bare Single Solid Conductor.....	2,443.76	613.38
26 05 26 00-0071 MLF 500 MCM Aluminum Bare Single Solid Conductor.....	2,881.01	757.46
26 05 26 00-0072 Aluminum Smooth Woven Conductors <small>(26 05 26 00-0002)</small>		
26 05 26 00-0073 LF 10 Strand x 14 AWG Smooth Weave Aluminum Conductor.....	2.12	0.66
26 05 26 00-0074 LF 16 Strand x 14 AWG Smooth Weave Aluminum Conductor.....	2.34	0.73
26 05 26 00-0075 LF 24 Strand x 14 AWG Smooth Weave Aluminum Conductor.....	2.76	0.84
26 05 26 00-0076 LF 26 Strand x 14 AWG Smooth Weave Aluminum Conductor.....	2.78	0.86
26 05 26 00-0077 LF 28 Strand x 14 AWG Smooth Weave Aluminum Conductor.....	2.91	0.90
26 05 26 00-0078 Copper Flexible Braid Connector Jumper Strap <small>(26 05 26 00-0001)</small>		
Note: Manufactured from flat extra flexible tinned braid. Ferrules are tin plated pure electrolytic copper with 2 holes, on each end.		
26 05 26 00-0079 EA 100 Amp, Copper Flexible Braid Jumper Strap, 12" Length.....	106.55	24.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		14.48
26 05 26 00-0080 EA 225 Amp, Copper Flexible Braid Jumper Strap, 12" Length.....	181.80	28.95
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		17.37
26 05 26 00-0081 EA 225 Amp, Copper Flexible Braid Jumper Strap, 18" Length.....	231.40	28.95
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		17.37
26 05 26 00-0082 EA 225 Amp, Copper Flexible Braid Jumper Strap, 24" Length.....	280.33	28.95
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		17.37
26 05 26 00-0083 EA 400 Amp, Copper Flexible Braid Jumper Strap, 12" Length.....	244.30	31.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		21.71
26 05 26 00-0084 EA 400 Amp, Copper Flexible Braid Jumper Strap, 18" Length.....	315.66	31.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		21.71
26 05 26 00-0085 EA 400 Amp, Copper Flexible Braid Jumper Strap, 24" Length.....	377.67	31.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		21.71
26 05 26 00-0086 EA 600 Amp, Copper Flexible Braid Jumper Strap, 12" Length.....	316.80	39.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		23.88
26 05 26 00-0087 EA 800 Amp, Copper Flexible Braid Jumper Strap, 12" Length.....	381.05	48.25
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		28.95
26 05 26 00-0088 Bonding Jumper For Metallic Conduit <small>(26 05 26 00-0001)</small>		
26 05 26 00-0089 EA 1/2" To 1" Conductor, Bonding Jumper - Metallic Conduit.....	145.01	53.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		30.16
26 05 26 00-0090 EA 1-1/4" To 2" Conductor, Bonding Jumper - Metallic Conduit.....	178.65	53.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		37.12
26 05 26 00-0091 EA 2-1/2" To 4" Conductor, Bonding Jumper - Metallic Conduit.....	259.02	82.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		43.86
26 05 26 00-0092 EA 5" To 6" Conductor, Bonding Jumper - Metallic Conduit.....	380.01	82.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		53.61
26 05 26 00-0093 Ground Rods <small>(26 05 26)</small>		
26 05 26 00-0094 Copper-Clad Ground Rods <small>(26 05 26 00-0093)</small>		
26 05 26 00-0095 EA 1/2" Diameter x 8' Long Copper-Clad Ground Rods.....	81.36	72.38
26 05 26 00-0096 EA 5/8" Diameter x 8' Long Copper-Clad Ground Rods.....	84.69	72.38
26 05 26 00-0097 EA 3/4" Diameter x 8' Long Copper-Clad Ground Rods.....	98.13	72.38
26 05 26 00-0098 EA 1/2" Diameter x 10' Long Copper-Clad Ground Rods.....	95.67	72.38

26 Electrical**26 05 Common Work Results For Electrical****26 05 26 Grounding And Bonding For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0099 EA 5/8" Diameter x 10' Long Copper-Clad Ground Rods	99.83	72.38
26 05 26 00-0100 EA 3/4" Diameter x 10' Long Copper-Clad Ground Rods	116.63	72.38
26 05 26 00-0101 Copper Grounding Shaft (26 05 26 00-0093)		
26 05 26 00-0102 EA 2-1/8" Diameter x 10' Long Copper Grounding Shaft.....	201.52	72.38
26 05 26 00-0103 EA 2-1/8" Diameter "L" Shaped; 3' Riser x 10' Horizontal Copper Grounding Shaft.....	246.53	72.38
26 05 26 00-0104 EA 2-1/8" Diameter "L" Shaped; 3' Riser x 20' Horizontal Copper Grounding Shaft.....	361.20	72.38
26 05 26 00-0105 Ground Access Wells (26 05 26 00-0093)		
26 05 26 00-0106 Precast Ground Access Wells (26 05 26 00-0105)		
26 05 26 00-0107 EA 8" Diameter x 24" Deep Precast Ground Access Well	181.24	
Note: With cast iron grate.		
26 05 26 00-0108 EA 10" Diameter x 24" Deep Precast Ground Access Well	189.33	
Note: With cast iron grate.		
26 05 26 00-0109 EA 12" Diameter x 24" Deep Precast Ground Access Well	504.98	
Note: With cast iron grate.		
26 05 26 00-0110 EA 18" Diameter x 24" Deep Precast Ground Access Well	513.08	
Note: With cast iron grate.		
26 05 26 00-0111 Polyvinyl Chloride (PVC) Ground Access Well (26 05 26 00-0105)		
26 05 26 00-0112 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well.....	422.83	
Note: Schedule 40 with cast iron grated cover.		
26 05 26 00-0113 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well.....	497.30	
Note: Schedule 40 with cast iron grated cover.		
26 05 26 00-0114 EA 18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well.....	925.87	
Note: Schedule 40 with cast iron grated cover.		
26 05 26 00-0115 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well.....	404.04	
Note: Schedule 40 with flat steel cover.		
26 05 26 00-0116 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well.....	297.77	
Note: Schedule 40 with flat steel cover.		
26 05 26 00-0117 EA 18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well.....	887.80	
Note: Schedule 40 with flat steel cover.		
26 05 26 00-0118 EA 8" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well	225.36	
Note: Schedule 40 with flat steel cover.		
26 05 26 00-0119 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well	241.03	
Note: Schedule 40 with flat steel cover.		
26 05 26 00-0120 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well	254.69	
Note: Schedule 40 with flat steel cover.		
26 05 26 00-0121 EA 8" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover	172.78	
26 05 26 00-0122 EA 10" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover	256.18	
26 05 26 00-0123 EA 8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well	453.49	
Note: Schedule 40 with flat steel cover.		
26 05 26 00-0124 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well	603.24	
Note: Schedule 40 with flat steel cover.		
26 05 26 00-0125 EA 8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well	364.45	
Note: Schedule 40 with plastic cover.		
26 05 26 00-0126 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well	530.46	
Note: Schedule 40 with plastic cover.		
26 05 26 00-0127 EA 10" Diameter x 36" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well	562.09	
Note: With cast iron grate, heavy duty.		
26 05 26 00-0128 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well	684.68	
Note: With cast iron grate, heavy duty.		
26 05 26 00-0129 EA 12" Diameter x 12" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well	301.81	
Note: With cast iron grate, heavy duty.		
26 05 26 00-0130 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well	529.09	
Note: With cast iron grate, heavy duty.		
26 05 26 00-0131 EA 12" Diameter x 30" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well	569.70	
Note: With cast iron grate, heavy duty.		
26 05 26 00-0132 Polymer Concrete Ground Access Well (26 05 26 00-0105)		
26 05 26 00-0133 EA 12" x 12" x 12" Polymer Concrete Ground Access Well.....	321.76	
26 05 26 00-0134 EA 12" x 12" x 12" Heavy Duty Polymer Concrete Ground Access Well	351.60	
26 05 26 00-0135 EA 12" x 12" x 18" Polymer Concrete Ground Access Well.....	353.62	
26 05 26 00-0136 EA 12" x 12" x 18" Heavy Duty Polymer Concrete Ground Access Well	386.40	
26 05 26 00-0137 EA 12" x 12" x 24" Polymer Concrete Ground Access Well.....	386.67	
26 05 26 00-0138 EA 12" x 12" x 24" Heavy Duty Polymer Concrete Ground Access Well	422.67	
26 05 26 00-0139 EA 13" x 24" x 18" Polymer Concrete Ground Access Well.....	510.73	
26 05 26 00-0140 EA 13" x 24" x 18" Heavy Duty Polymer Concrete Ground Access Well	559.61	
26 05 26 00-0141 High Density Polyethylene (HDPE) Ground Access Well (26 05 26 00-0105)		
26 05 26 00-0142 EA 9" Diameter x 10" Deep High Density Polyethylene (HDPE) Ground Access Well	124.92	
Note: With cover.		
26 05 26 00-0143 EA 14" Diameter x 18" Deep High Density Polyethylene (HDPE) Ground Access Well	172.11	
Note: With cover.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0144 Ground Rod Clamps And Fittings <small>(26 05 26)</small>		
26 05 26 00-0145 Bronze Ground Rod Clamp <small>(26 05 26 00-0144)</small>		
26 05 26 00-0146 EA 1/2" Bronze Ground Rod Clamp	19.19	10.90
26 05 26 00-0147 EA 5/8" Bronze Ground Rod Clamp	20.03	10.90
26 05 26 00-0148 EA 3/4" Bronze Ground Rod Clamp	21.22	10.90
26 05 26 00-0149 Bronze Pipe Clamps <small>(26 05 26 00-0144)</small>		
26 05 26 00-0150 EA 1/2" To 1" Bronze Pipe Ground Clamps.....	25.76	18.14
26 05 26 00-0151 EA 1-1/4" To 2" Bronze Ground Clamps For Pipe.....	32.57	21.71
26 05 26 00-0152 EA 2-1/2" To 3" Bronze Ground Clamps For Pipe.....	47.35	25.38
26 05 26 00-0153 EA 2-1/2" To 4" Bronze Ground Clamps For Pipe.....	58.17	32.61
26 05 26 00-0154 EA 4" To 6" Bronze Ground Clamps For Pipe.....	88.61	47.09
26 05 26 00-0155 Grounding Fittings <small>(26 05 26 00-0144)</small>		
26 05 26 00-0156 Embedded Fittings <small>(26 05 26 00-0155)</small>		
26 05 26 00-0157 EA Ground Insert With 2 - 3/8 x 16 Holes #2-250 MCM Cable Range, Embedded.....	129.15	
26 05 26 00-0158 EA Ground Insert With 4 - 3/8 x 16 Holes #2-250 MCM Cable Range, Embedded.....	136.76	
26 05 26 00-0159 EA Ground Insert With 4 - 3/8 x 16 Holes 250-500 MCM Cable Range, Embedded.....	150.24	
26 05 26 00-0160 EA #8 - 1 AWG, Copper To Aluminum, Grounding Wire Splice	127.24	
26 05 26 00-0161 EA 1/0 - 3/0 AWG, Copper To Aluminum, Grounding Wire Splice.....	152.46	
26 05 26 00-0162 EA 4/0 - 300 MCM, Copper To Aluminum, Grounding Wire Splice.....	178.79	
26 05 26 00-0163 EA 350 MCM And Up, Copper To Aluminum, Grounding Wire Splice.....	201.39	
26 05 26 00-0164 Ground Rod Receptacle <small>(26 05 26 00-0155)</small>		
26 05 26 00-0165 EA 1/2" Ground Rod Receptacle	278.25	100.36
26 05 26 00-0166 EA 5/8" Ground Rod Receptacle	290.60	103.19
26 05 26 00-0167 EA 3/4" Ground Rod Receptacle	303.24	105.99
26 05 26 00-0168 Ground Kits For Circuit Breaker Panels <small>(26 05 26 00-0155)</small>		
26 05 26 00-0169 EA 14-8 AWG Copper Ground Kit	62.58	24.13
26 05 26 00-0170 EA 12-8 AWG Aluminum Ground Kit.....	61.09	24.13
26 05 26 00-0171 EA 14-4 AWG Copper Ground Kit	68.97	24.13
26 05 26 00-0172 EA 12-4 AWG Aluminum Ground Kit.....	70.08	24.13
26 05 26 00-0173 Insulated Grounding Bars <small>(26 05 26 00-0144)</small>		
26 05 26 00-0174 EA Insulated Ground Bar 1/2" x 4" x 10"	257.24	24.23
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.43
26 05 26 00-0175 EA Insulated Ground Bar SK 9560 1/2" x 4" x 20".....	269.59	24.23
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.43
26 05 26 00-0176 Ground Conductor Bonding <small>(26 05 26)</small>		
26 05 26 00-0177 Ground Conductor Bonding <small>(26 05 26 00-0176)</small>		
26 05 26 00-0178 Splice, Lug, Ground Rod, Rebar Or Structural Steel Cadweld <small>(26 05 26 00-0177)</small>		
26 05 26 00-0179 EA Up To #6 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel.....	107.46	
	<i>Note: Includes molds, materials and all necessary tools to make connections.</i>	
26 05 26 00-0180 EA #4 To #1 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel.....	117.10	
	<i>Note: Includes molds, materials and all necessary tools to make connections.</i>	
26 05 26 00-0181 EA 1/0 To 4/0 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel.....	126.75	
	<i>Note: Includes molds, materials and all necessary tools to make connections.</i>	
26 05 26 00-0182 EA 250 To 1,000 MCM AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel.....	184.65	
	<i>Note: Includes molds, materials and all necessary tools to make connections.</i>	
26 05 26 00-0183 Tee, Wye Or Cross Cadweld <small>(26 05 26 00-0177)</small>		
26 05 26 00-0184 EA Up To #6 AWG Cadweld Connection For Tee, Wye Or Cross.....	121.92	
	<i>Note: Includes molds, materials and all necessary tools to make connections.</i>	
26 05 26 00-0185 EA #4 To #1 AWG Cadweld Connection For Tee, Wye Or Cross	141.22	
	<i>Note: Includes molds, materials and all necessary tools to make connections.</i>	
26 05 26 00-0186 EA 1/0 To 4/0 AWG Cadweld Connection For Tee, Wye Or Cross	175.01	
	<i>Note: Includes molds, materials and all necessary tools to make connections.</i>	
26 05 26 00-0187 EA 250 To 1,000 MCM AWG Cadweld Connection For Tee, Wye Or Cross.....	213.60	
	<i>Note: Includes molds, materials and all necessary tools to make connections.</i>	
26 05 26 00-0188 Grounding Equipment <small>(26 05 26)</small>		
26 05 26 00-0189 Special Grounding Equipment <small>(26 05 26 00-0188)</small>		
26 05 26 00-0190 Ground Reels And Ground Bus <small>(26 05 26 00-0189)</small>		
26 05 26 00-0191 EA Ground Reel With 50' Of Galvanized Steel Cable	585.59	

26 Electrical**26 05 Common Work Results For Electrical****26 05 26 Grounding And Bonding For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0192 Copper Bars <small>(26 05 26 00-0189)</small>		
26 05 26 00-0193 LF 1/4" x 2" Copper Bar	34.10	
26 05 26 00-0194 Phenolic Insulators <small>(26 05 26 00-0189)</small>		
26 05 26 00-0195 EA 2" x 2" x 1" Long Phenolic Insulators	25.03	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 05 26 00-0196 Grounding Studs <small>(26 05 26 00-0189)</small>		
26 05 26 00-0197 EA Ball Grounding Stud.....	36.30	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.64	
26 05 26 00-0198 Equipment Ground Bar Kits <small>(26 05 26 00-0189)</small>		
26 05 26 00-0199 EA Switch Rating 30 Ground Bar Kit	27.90	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 05 26 00-0200 EA Switch Rating 60 Ground Bar Kit	35.38	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.37	
26 05 26 00-0201 EA Switch Rating 100 Ground Bar Kit	41.19	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
26 05 26 00-0202 EA Switch Rating 200 Ground Bar Kit	70.48	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.69	
26 05 26 00-0203 Panelboard Ground Bar Kits <small>(26 05 26 00-0189)</small>		
26 05 26 00-0204 EA Panelboard Ground Bar Kit	100.83	7.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
26 05 26 00-0205 Circuit Breaker Ground Bar Kits <small>(26 05 26 00-0189)</small>		
26 05 26 00-0206 EA 3 Circuit, Ground Bar Kit	23.08	4.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.34	
26 05 26 00-0207 EA 4 Circuit, Ground Bar Kit	22.68	4.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.34	
26 05 26 00-0208 EA 7 Circuit, Ground Bar Kit	23.34	4.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.34	
26 05 26 00-0209 EA 12 Circuit, Ground Bar Kit	26.45	4.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.92	
26 05 26 00-0210 EA 20 Circuit, Ground Bar Kit	30.11	5.50
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.50	
26 05 26 00-0211 EA 24 Circuit, Ground Bar Kit	33.23	6.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.08	
26 05 26 00-0212 EA 30 Circuit, Ground Bar Kit	37.18	6.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.95	
26 05 26 00-0213 EA 54 Circuit, Ground Bar Kit	43.02	8.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.11	
26 05 26 00-0214 EA 24 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	46.58	6.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.08	
26 05 26 00-0215 EA 30 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	51.59	6.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.95	
26 05 26 00-0216 EA 54 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	57.57	8.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.11	
26 05 29 Hangers And Supports For Electrical Systems <small>(26 05)</small>		
26 05 29 00-0001 Metal Framing Channel And Fittings <small>(26 05 29)</small>		
26 05 29 00-0002 Metal Framing Channel <small>(26 05 29 00-0001)</small>		
Note: Excludes fasteners and accessories.		
26 05 29 00-0003 14 Gauge Metal Framing Channels <small>(26 05 29 00-0002)</small>		
26 05 29 00-0004 14 Gauge, Steel Unistrut Channel <small>(26 05 29 00-0003)</small>		
26 05 29 00-0005 EA Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	16.58	5.29
26 05 29 00-0006 EA >1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	18.17	5.29
26 05 29 00-0007 LF >2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel.....	8.21	1.99
26 05 29 00-0008 14 Gauge, 304 Stainless Steel Unistrut Channel <small>(26 05 29 00-0003)</small>		
26 05 29 00-0009 EA Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	27.39	5.29
26 05 29 00-0010 EA Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	30.16	5.29
26 05 29 00-0011 EA >1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	39.79	5.29
26 05 29 00-0012 EA >1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	45.31	5.29
26 05 29 00-0013 LF >2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	19.02	1.99
26 05 29 00-0014 LF >2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	21.79	1.99
26 05 29 00-0015 14 Gauge, 316 Stainless Steel Unistrut Channel <small>(26 05 29 00-0003)</small>		
26 05 29 00-0016 EA Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	39.32	5.29



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0017 EA >1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	63.64	5.29
26 05 29 00-0018 LF >2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	30.95	1.99
26 05 29 00-0019 12 Gauge Metal Framing Channels (26 05 29 00-0002)		
26 05 29 00-0020 12 Gauge, Steel Unistrut Channel (26 05 29 00-0019)		
26 05 29 00-0021 EA Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	17.61	5.29
26 05 29 00-0022 EA Up To 1' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	17.27	5.29
26 05 29 00-0023 EA Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	17.04	5.29
26 05 29 00-0024 EA >1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	20.23	5.29
26 05 29 00-0025 EA >1' To 2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	19.53	5.29
26 05 29 00-0026 EA >1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel.....	19.08	5.29
26 05 29 00-0027 LF >2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	9.24	1.99
26 05 29 00-0028 LF >2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	8.90	1.99
26 05 29 00-0029 LF >2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel.....	8.67	1.99
26 05 29 00-0030 12 Gauge, 304 Stainless Steel Unistrut Channel (26 05 29 00-0019)		
26 05 29 00-0031 EA Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	31.07	5.29
26 05 29 00-0032 EA Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	35.84	5.29
26 05 29 00-0033 EA >1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	47.14	5.29
26 05 29 00-0034 EA >1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	56.67	5.29
26 05 29 00-0035 LF >2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	22.70	1.99
26 05 29 00-0036 LF >2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	27.47	1.99
26 05 29 00-0037 Metal Framing Channel Fittings (26 05 29 00-0001)		
26 05 29 00-0038 Unistrut Channel Closure Strips And Caps (26 05 29 00-0037)		
26 05 29 00-0039 Steel Unistrut Channel Closure Strips And Caps (26 05 29 00-0038)		
26 05 29 00-0040 LF Steel Raceway Closure Strip, Unistrut Channel Fittings	4.49	0.48
26 05 29 00-0041 EA Steel End Cap, Unistrut Channel Fittings	11.05	4.84
26 05 29 00-0042 Stainless Steel Unistrut Channel Closure Strips And Caps (26 05 29 00-0038)		
26 05 29 00-0043 EA Stainless Steel End Cap For Unistrut Channel	16.79	4.84
26 05 29 00-0044 Flat Splice Plate, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0045 Steel Flat Splice Plate, Unistrut Channel Fittings (26 05 29 00-0044)		
26 05 29 00-0046 EA 2-Hole, 3-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting.....	4.61	
26 05 29 00-0047 EA 3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting.....	4.58	
26 05 29 00-0048 EA 4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting.....	5.50	
26 05 29 00-0049 Stainless Steel Flat Splice Plate, Unistrut Channel Fittings (26 05 29 00-0044)		
26 05 29 00-0050 EA 2-Hole, 3-1/2" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	13.48	
26 05 29 00-0051 EA 3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	19.95	
26 05 29 00-0052 EA 4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	25.44	
26 05 29 00-0053 90 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0054 Steel 90 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0053)		
26 05 29 00-0055 EA 2-Hole, 1-7/8" x 2", 90 Degree Angle, Steel, Unistrut Channel Fitting	4.48	
26 05 29 00-0056 EA 2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, Steel, Unistrut Channel Fitting	3.81	
26 05 29 00-0057 EA 3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, Steel, Unistrut Channel Fitting	6.30	
26 05 29 00-0058 EA 3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, Steel, Unistrut Channel Fitting	6.22	
26 05 29 00-0059 Stainless Steel 90 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0053)		
26 05 29 00-0060 EA 2-Hole, 1-7/8" x 2", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	7.80	
26 05 29 00-0061 EA 2-Hole, 1-7/8" x 2", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	9.70	
26 05 29 00-0062 EA 2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting.....	8.25	
26 05 29 00-0063 EA 2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting.....	11.64	
26 05 29 00-0064 EA 3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting.....	10.66	
26 05 29 00-0065 EA 3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting.....	19.51	
26 05 29 00-0066 EA 3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting.....	11.20	
26 05 29 00-0067 EA 3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting.....	16.15	
26 05 29 00-0068 60 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0069 Steel 60 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0068)		
26 05 29 00-0070 EA 2-Hole, 1-7/8" x 3-3/8", 60 Degree Angle, Steel, Unistrut Channel Fitting	8.85	
26 05 29 00-0071 U-Connector, Unistrut Channel Fittings (26 05 29 00-0037)		

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0072		Steel, U-Connector, Unistrut Channel Fittings (26 05 29 00-0071)		
26 05 29 00-0073	EA	3-Hole, 1-5/8" x 13/16", U-Connector, Steel, Unistrut Channel Fitting	3.37	
26 05 29 00-0074	EA	5-Hole, 1-5/8" x 1-5/8", U-Connector, Steel, Unistrut Channel Fitting	3.72	
26 05 29 00-0075		Stainless Steel, U-Connector, Unistrut Channel Fittings (26 05 29 00-0071)		
26 05 29 00-0076	EA	5-Hole, 1-5/8" x 1-5/8", U-Connector, 304 Stainless Steel, Unistrut Channel Fitting.....	16.04	
26 05 29 00-0077		Z-Bracket, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0078		Steel Z-Bracket, Unistrut Channel Fittings (26 05 29 00-0077)		
26 05 29 00-0079	EA	3-Hole, Z-Bracket, Steel, Unistrut Channel Fitting	9.07	
26 05 29 00-0080		Stainless Steel Z-Bracket, Unistrut Channel Fittings (26 05 29 00-0077)		
26 05 29 00-0081	EA	3-Hole, Z-Bracket, 304 Stainless Steel, Unistrut Channel Fitting.....	31.01	
26 05 29 00-0082		Standard Pipe And Rigid Conduit Clamps For Unistrut Channel (26 05 29 00-0037) Note: Includes hex screw and nut.		
26 05 29 00-0083		Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel (26 05 29 00-0082) Note: Includes hex screw and nut.		
26 05 29 00-0084	EA	1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	3.88	1.44
26 05 29 00-0085	EA	3/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	3.89	1.44
26 05 29 00-0086	EA	1" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	3.97	1.44
26 05 29 00-0087	EA	1-1/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.04	1.94
26 05 29 00-0088	EA	1-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.44	1.94
26 05 29 00-0089	EA	2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.48	1.94
26 05 29 00-0090	EA	2-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.75	2.42
26 05 29 00-0091	EA	3" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	7.10	2.42
26 05 29 00-0092	EA	3-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	7.44	2.42
26 05 29 00-0093	EA	4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	7.56	2.42
26 05 29 00-0094		304 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel (26 05 29 00-0082) Note: Includes hex screw and nut.		
26 05 29 00-0095	EA	1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.38	1.44
26 05 29 00-0096	EA	3/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	7.10	1.44
26 05 29 00-0097	EA	1" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	7.82	1.44
26 05 29 00-0098	EA	1-1/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	9.73	1.94
26 05 29 00-0099	EA	1-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	11.74	1.94
26 05 29 00-0100	EA	2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	12.27	1.94
26 05 29 00-0101	EA	2-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	14.75	2.42
26 05 29 00-0102	EA	3" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	16.54	2.42
26 05 29 00-0103	EA	3-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	17.31	2.42
26 05 29 00-0104	EA	4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	20.14	2.42
26 05 29 00-0105		316 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel (26 05 29 00-0082) Note: Includes hex screw and nut.		
26 05 29 00-0106	EA	1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.82	1.44
26 05 29 00-0107	EA	3/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	7.84	1.44
26 05 29 00-0108	EA	1" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	8.13	1.44
26 05 29 00-0109	EA	1-1/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	9.87	1.94
26 05 29 00-0110	EA	1-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	13.39	1.94
26 05 29 00-0111	EA	2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	13.56	1.94
26 05 29 00-0112	EA	2-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	16.11	2.42
26 05 29 00-0113	EA	3" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	17.02	2.42
26 05 29 00-0114	EA	3-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	23.49	2.42
26 05 29 00-0115	EA	4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	27.44	2.42
26 05 29 00-0116		Beam Clamps, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0117		Steel Beam Clamps, Unistrut Channel Fittings (26 05 29 00-0116)		
26 05 29 00-0118	EA	Set Screw Beam Clamp, Steel Unistrut Channel Fitting	27.94	8.82
26 05 29 00-0119	EA	"C" Beam Clamp Use With 1/2" Rod, Steel Unistrut Channel Fittings	20.02	8.82
26 05 29 00-0120	EA	"U" Bolt Beam Clamp, Steel Unistrut Channel Fitting	27.14	8.82
26 05 29 00-0121		304 Stainless Steel Beam Clamps, Unistrut Channel Fittings (26 05 29 00-0116)		
26 05 29 00-0122	EA	"U" Bolt Beam Clamp, 304 Stainless Steel Unistrut Channel Fitting	39.05	8.82
26 05 29 00-0123		Square Washers For Unistrut Channel (26 05 29 00-0037)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0124 Steel Square Washers For Unistrut Channel <small>(26 05 29 00-0123)</small>		
26 05 29 00-0125 EA 1/2" Bolt Size, Steel, Square Washer For Unistrut Channel	3.29	
26 05 29 00-0126 Stainless Steel Square Washers For Unistrut Channel <small>(26 05 29 00-0123)</small>		
26 05 29 00-0127 EA 1/2" Bolt Size, 304 Stainless Steel, Square Washer For Unistrut Channel	3.92	
26 05 29 00-0128 EA 1/2" Bolt Size, 316 Stainless Steel, Square Washer For Unistrut Channel.....	4.91	
26 05 29 00-0129 Strut Braces, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>		
26 05 29 00-0130 EA 16" Diagonal Steel Bar Brace For Unistrut Channel	24.24	
26 05 29 00-0131 Trolley Hangers, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>		
26 05 29 00-0132 EA Steel Trolley Track Hanger For Unistrut Channel	30.27	
26 05 29 00-0133 Lock Nuts With Spring For Unistrut Channel <small>(26 05 29 00-0037)</small>		
Note: Includes hex bolt.		
26 05 29 00-0134 Steel Lock Nuts With Spring For Unistrut Channel <small>(26 05 29 00-0133)</small>		
Note: Includes hex bolt.		
26 05 29 00-0135 EA 1/4-20, Steel Lock Nut With Spring For Unistrut Channel	6.21	
26 05 29 00-0136 EA 3/8-16, Steel Lock Nut With Spring For Unistrut Channel.....	6.69	
26 05 29 00-0137 EA 1/2-13, Steel Lock Nut With Spring For Unistrut Channel.....	7.05	
26 05 29 00-0138 EA 5/8-11, Steel Lock Nut With Spring For Unistrut Channel.....	9.01	
26 05 29 00-0139 Stainless Steel Lock Nuts With Spring For Unistrut Channel <small>(26 05 29 00-0133)</small>		
Note: Includes hex bolt.		
26 05 29 00-0140 EA 1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	11.41	
26 05 29 00-0141 EA 3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	12.08	
26 05 29 00-0142 EA 1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	16.70	
26 05 29 00-0143 EA 5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	27.90	
26 05 29 00-0144 Lock Nuts Without Spring For Unistrut Channel <small>(26 05 29 00-0037)</small>		
Note: Includes hex bolt.		
26 05 29 00-0145 Steel Lock Nuts Without Spring For Unistrut Channel <small>(26 05 29 00-0144)</small>		
Note: Includes hex bolt.		
26 05 29 00-0146 EA 1/4-20, Steel Lock Nut Without Spring For Unistrut Channel.....	6.22	
26 05 29 00-0147 EA 3/8-16, Steel Lock Nut Without Spring For Unistrut Channel.....	6.76	
26 05 29 00-0148 EA 1/2-13, Steel Lock Nut Without Spring For Unistrut Channel.....	7.08	
26 05 29 00-0149 EA 5/8-11, Steel Lock Nut Without Spring For Unistrut Channel.....	9.57	
26 05 29 00-0150 Stainless Steel Lock Nuts Without Spring For Unistrut Channel <small>(26 05 29 00-0144)</small>		
Note: Includes hex bolt.		
26 05 29 00-0151 EA 1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	8.44	
26 05 29 00-0152 EA 3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	9.98	
26 05 29 00-0153 EA 1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	10.80	
26 05 29 00-0154 EA 5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	27.20	
26 05 29 00-0155 Mounting Assemblies <small>(26 05 29)</small>		
26 05 29 00-0156 Galvanized Steel Mounting Assemblies <small>(26 05 29 00-0155)</small>		
26 05 29 00-0157 Galvanized Steel Back Plate <small>(26 05 29 00-0156)</small>		
26 05 29 00-0158 EA 1/4" x 4' x 4', Galvanized Steel Back Plate, Painted	378.57	57.90
26 05 29 00-0159 EA 3/8" x 14" x 16", Galvanized Steel Back Plate, Painted.....	94.31	19.30
26 05 29 00-0160 EA 3/16" x 30" x 48", Galvanized Steel Back Plate, Painted	238.68	48.25
26 05 29 00-0161 Aluminum Mounting Assemblies <small>(26 05 29 00-0155)</small>		
26 05 29 00-0162 Aluminum Back Plate <small>(26 05 29 00-0161)</small>		
26 05 29 00-0163 EA 3/16" x 2' x 2' Aluminum Back Plate.....	271.65	72.38
26 05 29 00-0164 EA 3/16" x 4' x 4' Aluminum Back Plate.....	711.92	72.38
26 05 29 00-0165 Supports <small>(26 05 29)</small>		
26 05 29 00-0166 One Hole Steel Conduit Straps <small>(26 05 29 00-0165)</small>		
26 05 29 00-0167 EA 1/2", One Hole Steel Conduit Strap	3.45	
For Work In Restricted Working Space, Add		0.93
For Installation On Concrete (Includes Drilling And Fastener), Add		0.87
For >50 To 100, Deduct		-0.16
For >100 To 250, Deduct		-0.33
For >250 To 500, Deduct		-0.65
For >500, Deduct		-0.96

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0168 EA 3/4", One Hole Steel Conduit Strap .....3.49		
For Work In Restricted Working Space, Add	0.93	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.87	
For >50 To 100, Deduct	-0.16	
For >100 To 250, Deduct	-0.33	
For >250 To 500, Deduct	-0.65	
For >500, Deduct	-0.97	
26 05 29 00-0169 EA 1", One Hole Steel Conduit Strap .....3.70		
For Work In Restricted Working Space, Add	0.93	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.87	
For >50 To 100, Deduct	-0.17	
For >100 To 250, Deduct	-0.34	
For >250 To 500, Deduct	-0.66	
For >500, Deduct	-0.99	
26 05 29 00-0170 EA 1-1/4", One Hole Steel Conduit Strap .....3.86		
For Work In Restricted Working Space, Add	0.93	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.87	
For >50 To 100, Deduct	-0.17	
For >100 To 250, Deduct	-0.35	
For >250 To 500, Deduct	-0.68	
For >500, Deduct	-1.00	
26 05 29 00-0171 EA 1-1/2", One Hole Steel Conduit Strap .....3.97		
For Work In Restricted Working Space, Add	0.93	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.87	
For >50 To 100, Deduct	-0.18	
For >100 To 250, Deduct	-0.35	
For >250 To 500, Deduct	-0.68	
For >500, Deduct	-1.02	
26 05 29 00-0172 EA 2", One Hole Steel Conduit Strap .....4.62		
For Work In Restricted Working Space, Add	0.93	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.87	
For >50 To 100, Deduct	-0.19	
For >100 To 250, Deduct	-0.39	
For >250 To 500, Deduct	-0.73	
For >500, Deduct	-1.08	
26 05 29 00-0173 EA 2-1/2", One Hole Steel Conduit Strap .....5.28		
For Work In Restricted Working Space, Add	0.93	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.87	
For >50 To 100, Deduct	-0.21	
For >100 To 250, Deduct	-0.42	
For >250 To 500, Deduct	-0.78	
For >500, Deduct	-1.15	
26 05 29 00-0174 EA 3", One Hole Steel Conduit Strap .....5.50		
For Work In Restricted Working Space, Add	0.93	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.87	
For >50 To 100, Deduct	-0.21	
For >100 To 250, Deduct	-0.43	
For >250 To 500, Deduct	-0.80	
For >500, Deduct	-1.17	
26 05 29 00-0175 EA 3-1/2", One Hole Steel Conduit Strap .....6.59		
For Work In Restricted Working Space, Add	0.93	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.87	
For >50 To 100, Deduct	-0.24	
For >100 To 250, Deduct	-0.48	
For >250 To 500, Deduct	-0.88	
For >500, Deduct	-1.28	
26 05 29 00-0176 EA 4", One Hole Steel Conduit Strap .....7.46		
For Work In Restricted Working Space, Add	0.93	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.87	
For >50 To 100, Deduct	-0.26	
For >100 To 250, Deduct	-0.53	
For >250 To 500, Deduct	-0.95	
For >500, Deduct	-1.36	
26 05 29 00-0177 One Hole Iron Conduit Straps (26 05 29 00-0165)		
26 05 29 00-0178 EA 1/2", One Hole Iron Conduit Strap .....3.55		
For Work In Restricted Working Space, Add	0.93	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.87	
For >50 To 100, Deduct	-0.17	
For >100 To 250, Deduct	-0.33	
For >250 To 500, Deduct	-0.65	
For >500, Deduct	-0.97	
26 05 29 00-0179 EA 3/4", One Hole Iron Conduit Strap .....3.66		
For Work In Restricted Working Space, Add	0.93	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.87	
For >50 To 100, Deduct	-0.17	
For >100 To 250, Deduct	-0.34	
For >250 To 500, Deduct	-0.66	
For >500, Deduct	-0.98	
26 05 29 00-0180 EA 1", One Hole Iron Conduit Strap .....3.84		
For Work In Restricted Working Space, Add	0.93	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.87	
For >50 To 100, Deduct	-0.17	
For >100 To 250, Deduct	-0.35	
For >250 To 500, Deduct	-0.67	
For >500, Deduct	-1.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0181 EA 1-1/4", One Hole Iron Conduit Strap	4.30	
For Work In Restricted Working Space, Add	0.93	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.87	
For >50 To 100, Deduct	-0.18	
For >100 To 250, Deduct	-0.37	
For >250 To 500, Deduct	-0.71	
For >500, Deduct	-1.05	
26 05 29 00-0182 EA 1-1/2", One Hole Iron Conduit Strap	4.48	
For Work In Restricted Working Space, Add	0.93	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.87	
For >50 To 100, Deduct	-0.19	
For >100 To 250, Deduct	-0.38	
For >250 To 500, Deduct	-0.72	
For >500, Deduct	-1.07	
26 05 29 00-0183 EA 2", One Hole Iron Conduit Strap	5.63	
For Work In Restricted Working Space, Add	0.93	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.87	
For >50 To 100, Deduct	-0.22	
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.81	
For >500, Deduct	-1.18	
26 05 29 00-0184 EA 2-1/2", One Hole Iron Conduit Strap	8.10	
For Work In Restricted Working Space, Add	0.93	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.87	
For >50 To 100, Deduct	-0.28	
For >100 To 250, Deduct	-0.56	
For >250 To 500, Deduct	-0.99	
For >500, Deduct	-1.43	
26 05 29 00-0185 EA 3", One Hole Iron Conduit Strap	10.15	
For Work In Restricted Working Space, Add	0.93	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.87	
For >50 To 100, Deduct	-0.33	
For >100 To 250, Deduct	-0.66	
For >250 To 500, Deduct	-1.15	
For >500, Deduct	-1.63	
26 05 29 00-0186 EA 3-1/2", One Hole Iron Conduit Strap	13.16	
For Work In Restricted Working Space, Add	0.93	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.87	
For >50 To 100, Deduct	-0.41	
For >100 To 250, Deduct	-0.81	
For >250 To 500, Deduct	-1.37	
For >500, Deduct	-1.93	
26 05 29 00-0187 EA 4", One Hole Iron Conduit Strap	25.21	
For Work In Restricted Working Space, Add	0.93	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.87	
For >50 To 100, Deduct	-0.71	
For >100 To 250, Deduct	-1.42	
For >250 To 500, Deduct	-2.28	
For >500, Deduct	-3.14	
26 05 29 00-0188 EA 5", One Hole Iron Conduit Strap	31.68	
For Work In Restricted Working Space, Add	0.93	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.87	
For >50 To 100, Deduct	-0.87	
For >100 To 250, Deduct	-1.74	
For >250 To 500, Deduct	-2.76	
For >500, Deduct	-3.79	
26 05 29 00-0189 Two Hole Steel Conduit Straps (26 05 29 00-0185)		
26 05 29 00-0190 EA 1/2", Two Hole Steel Conduit Strap	3.94	
For Work In Restricted Working Space, Add	1.04	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.07	
For >50 To 100, Deduct	-0.19	
For >100 To 250, Deduct	-0.37	
For >250 To 500, Deduct	-0.73	
For >500, Deduct	-1.09	
26 05 29 00-0191 EA 3/4", Two Hole Steel Conduit Strap	4.01	
For Work In Restricted Working Space, Add	1.04	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.07	
For >50 To 100, Deduct	-0.19	
For >100 To 250, Deduct	-0.37	
For >250 To 500, Deduct	-0.74	
For >500, Deduct	-1.10	
26 05 29 00-0192 EA 1", Two Hole Steel Conduit Strap	4.05	
For Work In Restricted Working Space, Add	1.04	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.07	
For >50 To 100, Deduct	-0.19	
For >100 To 250, Deduct	-0.38	
For >250 To 500, Deduct	-0.74	
For >500, Deduct	-1.10	
26 05 29 00-0193 EA 1-1/4", Two Hole Steel Conduit Strap	4.10	
For Work In Restricted Working Space, Add	1.04	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.07	
For >50 To 100, Deduct	-0.19	
For >100 To 250, Deduct	-0.38	
For >250 To 500, Deduct	-0.74	
For >500, Deduct	-1.11	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0194	EA		1-1/2", Two Hole Steel Conduit Strap .....4.13		
			<i>For Work In Restricted Working Space, Add</i>	1.04	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.07	
			<i>For >50 To 100, Deduct</i>	-0.19	
			<i>For >100 To 250, Deduct</i>	-0.38	
			<i>For >250 To 500, Deduct</i>	-0.74	
			<i>For >500, Deduct</i>	-1.11	
26 05 29 00-0195	EA		2", Two Hole Steel Conduit Strap .....4.22		
			<i>For Work In Restricted Working Space, Add</i>	1.04	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.07	
			<i>For >50 To 100, Deduct</i>	-0.19	
			<i>For >100 To 250, Deduct</i>	-0.39	
			<i>For >250 To 500, Deduct</i>	-0.75	
			<i>For >500, Deduct</i>	-1.12	
26 05 29 00-0196	EA		2-1/2", Two Hole Steel Conduit Strap .....4.72		
			<i>For Work In Restricted Working Space, Add</i>	1.04	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.07	
			<i>For >50 To 100, Deduct</i>	-0.21	
			<i>For >100 To 250, Deduct</i>	-0.41	
			<i>For >250 To 500, Deduct</i>	-0.79	
			<i>For >500, Deduct</i>	-1.17	
26 05 29 00-0197	EA		3", Two Hole Steel Conduit Strap .....4.83		
			<i>For Work In Restricted Working Space, Add</i>	1.04	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.07	
			<i>For >50 To 100, Deduct</i>	-0.21	
			<i>For >100 To 250, Deduct</i>	-0.42	
			<i>For >250 To 500, Deduct</i>	-0.80	
			<i>For >500, Deduct</i>	-1.18	
26 05 29 00-0198	EA		3-1/2", Two Hole Steel Conduit Strap .....5.22		
			<i>For Work In Restricted Working Space, Add</i>	1.04	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.07	
			<i>For >50 To 100, Deduct</i>	-0.22	
			<i>For >100 To 250, Deduct</i>	-0.44	
			<i>For >250 To 500, Deduct</i>	-0.83	
			<i>For >500, Deduct</i>	-1.22	
26 05 29 00-0199	EA		4", Two Hole Steel Conduit Strap .....5.48		
			<i>For Work In Restricted Working Space, Add</i>	1.04	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.07	
			<i>For >50 To 100, Deduct</i>	-0.22	
			<i>For >100 To 250, Deduct</i>	-0.45	
			<i>For >250 To 500, Deduct</i>	-0.85	
			<i>For >500, Deduct</i>	-1.24	
26 05 29 00-0200	EA		5", Two Hole Steel Conduit Strap .....5.84		
			<i>For Work In Restricted Working Space, Add</i>	1.04	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.07	
			<i>For >50 To 100, Deduct</i>	-0.23	
			<i>For >100 To 250, Deduct</i>	-0.47	
			<i>For >250 To 500, Deduct</i>	-0.87	
			<i>For >500, Deduct</i>	-1.28	
26 05 29 00-0201			Clamp Back Spacers <small>(26 05 29 00-0165)</small>		
26 05 29 00-0202	EA		1/2" Conduit, Clamp Back Spacer.....3.04		
			<i>For Work In Restricted Working Space, Add</i>	0.72	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.70	
			<i>For >50 To 100, Deduct</i>	-0.14	
			<i>For >100 To 250, Deduct</i>	-0.27	
			<i>For >250 To 500, Deduct</i>	-0.53	
			<i>For >500, Deduct</i>	-0.79	
26 05 29 00-0203	EA		3/4" Conduit, Clamp Back Spacer.....3.25		
			<i>For Work In Restricted Working Space, Add</i>	0.72	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.70	
			<i>For >50 To 100, Deduct</i>	-0.14	
			<i>For >100 To 250, Deduct</i>	-0.28	
			<i>For >250 To 500, Deduct</i>	-0.55	
			<i>For >500, Deduct</i>	-0.81	
26 05 29 00-0204	EA		1" Conduit, Clamp Back Spacer.....3.45		
			<i>For Work In Restricted Working Space, Add</i>	0.72	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.70	
			<i>For >50 To 100, Deduct</i>	-0.15	
			<i>For >100 To 250, Deduct</i>	-0.29	
			<i>For >250 To 500, Deduct</i>	-0.56	
			<i>For >500, Deduct</i>	-0.83	
26 05 29 00-0205	EA		1-1/4" Conduit, Clamp Back Spacer .....4.22		
			<i>For Work In Restricted Working Space, Add</i>	0.72	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.70	
			<i>For >50 To 100, Deduct</i>	-0.17	
			<i>For >100 To 250, Deduct</i>	-0.33	
			<i>For >250 To 500, Deduct</i>	-0.62	
			<i>For >500, Deduct</i>	-0.90	
26 05 29 00-0206	EA		1-1/2" Conduit, Clamp Back Spacer .....4.84		
			<i>For Work In Restricted Working Space, Add</i>	0.72	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.70	
			<i>For >50 To 100, Deduct</i>	-0.18	
			<i>For >100 To 250, Deduct</i>	-0.36	
			<i>For >250 To 500, Deduct</i>	-0.66	
			<i>For >500, Deduct</i>	-0.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0207 EA 2" Conduit, Clamp Back Spacer.....	5.49	
For Work In Restricted Working Space, Add	0.72	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.70	
For >50 To 100, Deduct	-0.20	
For >100 To 250, Deduct	-0.40	
For >250 To 500, Deduct	-0.71	
For >500, Deduct	-1.03	
26 05 29 00-0208 EA 2-1/2" Conduit, Clamp Back Spacer	8.14	
For Work In Restricted Working Space, Add	0.72	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.70	
For >50 To 100, Deduct	-0.26	
For >100 To 250, Deduct	-0.53	
For >250 To 500, Deduct	-0.91	
For >500, Deduct	-1.30	
26 05 29 00-0209 EA 3" Conduit, Clamp Back Spacer.....	11.30	
For Work In Restricted Working Space, Add	0.72	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.70	
For >50 To 100, Deduct	-0.34	
For >100 To 250, Deduct	-0.69	
For >250 To 500, Deduct	-1.15	
For >500, Deduct	-1.61	
26 05 29 00-0210 EA 3-1/2" Conduit, Clamp Back Spacer	14.37	
For Work In Restricted Working Space, Add	0.72	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.70	
For >50 To 100, Deduct	-0.42	
For >100 To 250, Deduct	-0.84	
For >250 To 500, Deduct	-1.38	
For >500, Deduct	-1.92	
26 05 29 00-0211 EA 4" Conduit, Clamp Back Spacer.....	28.78	
For Work In Restricted Working Space, Add	0.72	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.70	
For >50 To 100, Deduct	-0.78	
For >100 To 250, Deduct	-1.56	
For >250 To 500, Deduct	-2.46	
For >500, Deduct	-3.36	
26 05 29 00-0212 EA 5" Conduit, Clamp Back Spacer.....	53.12	
For Work In Restricted Working Space, Add	0.72	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.70	
For >50 To 100, Deduct	-1.39	
For >100 To 250, Deduct	-2.78	
For >250 To 500, Deduct	-4.29	
For >500, Deduct	-5.79	
26 05 29 00-0213 Conduit Clips (26 05 29 00-0165)		
Note: Push in or clip.		
26 05 29 00-0214 EA 1/2" Conduit Clip.....	3.73	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.87	
For >50 To 100, Deduct	-0.17	
For >100 To 250, Deduct	-0.34	
For >250 To 500, Deduct	-0.67	
For >500, Deduct	-0.99	
26 05 29 00-0215 EA 3/4" Conduit Clip.....	3.73	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.87	
For >50 To 100, Deduct	-0.17	
For >100 To 250, Deduct	-0.34	
For >250 To 500, Deduct	-0.67	
For >500, Deduct	-0.99	
26 05 29 00-0216 EA 1" Conduit Clip.....	3.68	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.87	
For >50 To 100, Deduct	-0.17	
For >100 To 250, Deduct	-0.34	
For >250 To 500, Deduct	-0.66	
For >500, Deduct	-0.99	
26 05 29 00-0217 EA 1-1/4" Conduit Clip.....	3.80	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.87	
For >50 To 100, Deduct	-0.17	
For >100 To 250, Deduct	-0.34	
For >250 To 500, Deduct	-0.67	
For >500, Deduct	-1.00	
26 05 29 00-0218 Bolt And Nut Conduit Clips (26 05 29 00-0165)		
26 05 29 00-0219 EA 3/4" Bolt And Nut Conduit Clip (Minerallac 1B).....	4.64	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.07	
For >50 To 100, Deduct	-0.21	
For >100 To 250, Deduct	-0.43	
For >250 To 500, Deduct	-0.83	
For >500, Deduct	-1.24	
26 05 29 00-0220 EA 1" Bolt And Nut Conduit Clip (Minerallac 2B).....	4.76	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.07	
For >50 To 100, Deduct	-0.22	
For >100 To 250, Deduct	-0.43	
For >250 To 500, Deduct	-0.84	
For >500, Deduct	-1.25	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0221	EA		1-1/4" Bolt And Nut Conduit Clip (Minerallac 2-1/2B).....	5.07	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.13	
			<i>For >50 To 100, Deduct</i>	-0.23	
			<i>For >100 To 250, Deduct</i>	-0.46	
			<i>For >250 To 500, Deduct</i>	-0.89	
			<i>For >500, Deduct</i>	-1.33	
26 05 29 00-0222	EA		1-1/2" Bolt And Nut Conduit Clip (Minerallac 3B).....	5.14	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.13	
			<i>For >50 To 100, Deduct</i>	-0.23	
			<i>For >100 To 250, Deduct</i>	-0.46	
			<i>For >250 To 500, Deduct</i>	-0.90	
			<i>For >500, Deduct</i>	-1.33	
26 05 29 00-0223	EA		2" Bolt And Nut Conduit Clip (Minerallac 5B).....	5.62	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.13	
			<i>For >50 To 100, Deduct</i>	-0.24	
			<i>For >100 To 250, Deduct</i>	-0.49	
			<i>For >250 To 500, Deduct</i>	-0.93	
			<i>For >500, Deduct</i>	-1.38	
26 05 29 00-0224	EA		2-1/2" Bolt And Nut Conduit Clip (Minerallac 6B).....	6.06	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.19	
			<i>For >50 To 100, Deduct</i>	-0.26	
			<i>For >100 To 250, Deduct</i>	-0.52	
			<i>For >250 To 500, Deduct</i>	-1.00	
			<i>For >500, Deduct</i>	-1.47	
26 05 29 00-0225	EA		3" Bolt And Nut Conduit Clip (Minerallac 7B).....	6.48	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.19	
			<i>For >50 To 100, Deduct</i>	-0.27	
			<i>For >100 To 250, Deduct</i>	-0.54	
			<i>For >250 To 500, Deduct</i>	-1.03	
			<i>For >500, Deduct</i>	-1.52	
26 05 29 00-0226	EA		4" Bolt And Nut Conduit Clip (Minerallac 9B).....	10.94	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.31	
			<i>For >50 To 100, Deduct</i>	-0.39	
			<i>For >100 To 250, Deduct</i>	-0.79	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-2.06	
26 05 29 00-0227			Conduit Hanger From Flange, Wire Or Rod (26 05 29 00-0165)		
			Note: Bat wing.		
26 05 29 00-0228	EA		1/2", Conduit Hanger From Flange, Wire Or Rod.....	2.71	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.68	
			<i>For >50 To 100, Deduct</i>	-0.13	
			<i>For >100 To 250, Deduct</i>	-0.25	
			<i>For >250 To 500, Deduct</i>	-0.49	
			<i>For >500, Deduct</i>	-0.73	
26 05 29 00-0229	EA		3/4", Conduit Hanger From Flange, Wire Or Rod.....	2.75	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.68	
			<i>For >50 To 100, Deduct</i>	-0.13	
			<i>For >100 To 250, Deduct</i>	-0.25	
			<i>For >250 To 500, Deduct</i>	-0.50	
			<i>For >500, Deduct</i>	-0.74	
26 05 29 00-0230	EA		1", Conduit Hanger From Flange, Wire Or Rod.....	2.84	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.68	
			<i>For >50 To 100, Deduct</i>	-0.13	
			<i>For >100 To 250, Deduct</i>	-0.26	
			<i>For >250 To 500, Deduct</i>	-0.50	
			<i>For >500, Deduct</i>	-0.75	
26 05 29 00-0231	EA		1-1/4", Conduit Hanger From Flange, Wire Or Rod.....	3.08	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.68	
			<i>For >50 To 100, Deduct</i>	-0.13	
			<i>For >100 To 250, Deduct</i>	-0.27	
			<i>For >250 To 500, Deduct</i>	-0.52	
			<i>For >500, Deduct</i>	-0.77	
26 05 29 00-0232			Beam Flange Clamps (26 05 29 00-0165)		
			Note: For threaded rod, nut not required.		
26 05 29 00-0233	EA		1/8" To 1/4" Flange Thickness, Beam Clamp (Caddy 6TA24).....	3.74	
			<i>For >50 To 100, Deduct</i>	-0.15	
			<i>For >100 To 250, Deduct</i>	-0.31	
			<i>For >250 To 500, Deduct</i>	-0.58	
			<i>For >500, Deduct</i>	-0.86	
26 05 29 00-0234	EA		5/16" To 1/2" Flange Thickness, Beam Clamp (Caddy 6TA58).....	3.68	
			<i>For >50 To 100, Deduct</i>	-0.15	
			<i>For >100 To 250, Deduct</i>	-0.30	
			<i>For >250 To 500, Deduct</i>	-0.58	
			<i>For >500, Deduct</i>	-0.85	
26 05 29 00-0235	EA		9/16" To 3/4" Flange Thickness, Beam Clamp (Caddy 6TA912).....	4.05	
			<i>For >50 To 100, Deduct</i>	-0.16	
			<i>For >100 To 250, Deduct</i>	-0.32	
			<i>For >250 To 500, Deduct</i>	-0.61	
			<i>For >500, Deduct</i>	-0.89	
26 05 29 00-0236			T-Bar Support Clips (26 05 29 00-0165)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0237 EA 9/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS95).....	6.44	
<i>For >50 To 100, Deduct</i>	-0.28	
<i>For >100 To 250, Deduct</i>	-0.56	
<i>For >250 To 500, Deduct</i>	-1.09	
<i>For >500, Deduct</i>	-1.61	
26 05 29 00-0238 EA 15/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS).....	6.16	
<i>For >50 To 100, Deduct</i>	-0.27	
<i>For >100 To 250, Deduct</i>	-0.55	
<i>For >250 To 500, Deduct</i>	-1.07	
<i>For >500, Deduct</i>	-1.58	
26 05 29 00-0239 EA 15/16 Grid Size, Twist On T-Bar Support Clip (Caddy 4G16).....	2.19	
<i>For >50 To 100, Deduct</i>	-0.08	
<i>For >100 To 250, Deduct</i>	-0.17	
<i>For >250 To 500, Deduct</i>	-0.31	
<i>For >500, Deduct</i>	-0.46	
26 05 29 00-0240 EA 24" Long Snap On T-Bar Electrical Box Hanger (Caddy 512)	16.16	
<i>For >50 To 100, Deduct</i>	-0.45	
<i>For >100 To 250, Deduct</i>	-0.90	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-2.00	
26 05 29 00-0241 Switch And Outlet Box Type Supports <small>(26 05 29 00-0165)</small>		
26 05 29 00-0242 EA 1/4" To 3/4" Drywall Thickness, Adjustable Switch And Outlet Box Support (Caddy MFS)	4.36	
<i>For >50 To 100, Deduct</i>	-0.16	
<i>For >100 To 250, Deduct</i>	-0.31	
<i>For >250 To 500, Deduct</i>	-0.57	
<i>For >500, Deduct</i>	-0.82	
26 05 29 00-0243 EA 1/2" Drywall Thickness, Riveted Switch And Outlet Box Support (Caddy MF500).....	3.76	
<i>For >50 To 100, Deduct</i>	-0.14	
<i>For >100 To 250, Deduct</i>	-0.28	
<i>For >250 To 500, Deduct</i>	-0.52	
<i>For >500, Deduct</i>	-0.76	
26 05 29 00-0244 EA Flush, Riveted Switch And Outlet Box Support (Caddy MFO)	4.27	
<i>For >50 To 100, Deduct</i>	-0.16	
<i>For >100 To 250, Deduct</i>	-0.31	
<i>For >250 To 500, Deduct</i>	-0.56	
<i>For >500, Deduct</i>	-0.81	
26 05 29 00-0245 EA Snap On, Switch And Outlet Box Support (Caddy MSF)	2.91	
<i>For >50 To 100, Deduct</i>	-0.12	
<i>For >100 To 250, Deduct</i>	-0.24	
<i>For >250 To 500, Deduct</i>	-0.46	
<i>For >500, Deduct</i>	-0.68	
26 05 29 00-0246 EA 1/4-20 Thread Impression, Switch And Outlet Box Support (Caddy MFI)	3.02	
<i>For >50 To 100, Deduct</i>	-0.12	
<i>For >100 To 250, Deduct</i>	-0.25	
<i>For >250 To 500, Deduct</i>	-0.47	
<i>For >500, Deduct</i>	-0.69	
26 05 29 00-0247 Lighting Fixture Hanger <small>(26 05 29 00-0165)</small>		
Note: For existing or owner furnished fixtures.		
26 05 29 00-0248 EA Lay-In/Troffer, Straight Lip Type Fixture Support Clip (Caddy 515)	4.44	
<i>For >50 To 100, Deduct</i>	-0.21	
<i>For >100 To 250, Deduct</i>	-0.42	
<i>For >250 To 500, Deduct</i>	-0.82	
<i>For >500, Deduct</i>	-1.22	
26 05 29 00-0249 PR Support Bars For Recessed "High Hat" Light Fixtures (Caddy 517)	13.32	
<i>For >50 To 100, Deduct</i>	-0.43	
<i>For >100 To 250, Deduct</i>	-0.86	
<i>For >250 To 500, Deduct</i>	-1.48	
<i>For >500, Deduct</i>	-2.10	
26 05 29 00-0250 PR Support Bars For Recessed "Lightolier" Light Fixtures (Caddy 520)	17.99	
<i>For >50 To 100, Deduct</i>	-0.55	
<i>For >100 To 250, Deduct</i>	-1.09	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.57	
26 05 29 00-0251 Rigid Steel Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0165)</small>		
26 05 29 00-0252 EA 1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.88	
<i>For >50 To 100, Deduct</i>	-0.17	
<i>For >100 To 250, Deduct</i>	-0.34	
<i>For >250 To 500, Deduct</i>	-0.65	
<i>For >500, Deduct</i>	-0.97	
<i>For Work In Restricted Working Space, Add</i>	0.87	
26 05 29 00-0253 EA 3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.89	
<i>For >50 To 100, Deduct</i>	-0.17	
<i>For >100 To 250, Deduct</i>	-0.34	
<i>For >250 To 500, Deduct</i>	-0.65	
<i>For >500, Deduct</i>	-0.97	
<i>For Work In Restricted Working Space, Add</i>	0.87	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0254	EA		1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.97	
			<i>For >50 To 100, Deduct</i>	-0.17	
			<i>For >100 To 250, Deduct</i>	-0.34	
			<i>For >250 To 500, Deduct</i>	-0.66	
			<i>For >500, Deduct</i>	-0.98	
			<i>For Work In Restricted Working Space, Add</i>	0.87	
26 05 29 00-0255	EA		1-1/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.04	
			<i>For >50 To 100, Deduct</i>	-0.22	
			<i>For >100 To 250, Deduct</i>	-0.45	
			<i>For >250 To 500, Deduct</i>	-0.86	
			<i>For >500, Deduct</i>	-1.28	
			<i>For Work In Restricted Working Space, Add</i>	1.16	
26 05 29 00-0256	EA		1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.44	
			<i>For >50 To 100, Deduct</i>	-0.23	
			<i>For >100 To 250, Deduct</i>	-0.47	
			<i>For >250 To 500, Deduct</i>	-0.89	
			<i>For >500, Deduct</i>	-1.32	
			<i>For Work In Restricted Working Space, Add</i>	1.16	
26 05 29 00-0257	EA		2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.48	
			<i>For >50 To 100, Deduct</i>	-0.23	
			<i>For >100 To 250, Deduct</i>	-0.47	
			<i>For >250 To 500, Deduct</i>	-0.89	
			<i>For >500, Deduct</i>	-1.32	
			<i>For Work In Restricted Working Space, Add</i>	1.16	
26 05 29 00-0258	EA		2-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.74	
			<i>For >50 To 100, Deduct</i>	-0.29	
			<i>For >100 To 250, Deduct</i>	-0.58	
			<i>For >250 To 500, Deduct</i>	-1.11	
			<i>For >500, Deduct</i>	-1.64	
			<i>For Work In Restricted Working Space, Add</i>	1.45	
26 05 29 00-0259	EA		3" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	7.09	
			<i>For >50 To 100, Deduct</i>	-0.30	
			<i>For >100 To 250, Deduct</i>	-0.60	
			<i>For >250 To 500, Deduct</i>	-1.14	
			<i>For >500, Deduct</i>	-1.68	
			<i>For Work In Restricted Working Space, Add</i>	1.45	
26 05 29 00-0260	EA		3-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	7.43	
			<i>For >50 To 100, Deduct</i>	-0.31	
			<i>For >100 To 250, Deduct</i>	-0.61	
			<i>For >250 To 500, Deduct</i>	-1.16	
			<i>For >500, Deduct</i>	-1.71	
			<i>For Work In Restricted Working Space, Add</i>	1.45	
26 05 29 00-0261	EA		4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	7.55	
			<i>For >50 To 100, Deduct</i>	-0.31	
			<i>For >100 To 250, Deduct</i>	-0.62	
			<i>For >250 To 500, Deduct</i>	-1.17	
			<i>For >500, Deduct</i>	-1.72	
			<i>For Work In Restricted Working Space, Add</i>	1.45	
26 05 29 00-0262			Electrical Metallic Tubing (EMT) Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0165)</small>	4.14	
26 05 29 00-0263	EA		1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	4.14	
			<i>For >50 To 100, Deduct</i>	-0.18	
			<i>For >100 To 250, Deduct</i>	-0.35	
			<i>For >250 To 500, Deduct</i>	-0.67	
			<i>For >500, Deduct</i>	-0.99	
			<i>For Work In Restricted Working Space, Add</i>	0.87	
26 05 29 00-0264	EA		3/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	4.11	
			<i>For >50 To 100, Deduct</i>	-0.18	
			<i>For >100 To 250, Deduct</i>	-0.35	
			<i>For >250 To 500, Deduct</i>	-0.67	
			<i>For >500, Deduct</i>	-0.99	
			<i>For Work In Restricted Working Space, Add</i>	0.87	
26 05 29 00-0265	EA		1" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	4.07	
			<i>For >50 To 100, Deduct</i>	-0.17	
			<i>For >100 To 250, Deduct</i>	-0.35	
			<i>For >250 To 500, Deduct</i>	-0.67	
			<i>For >500, Deduct</i>	-0.99	
			<i>For Work In Restricted Working Space, Add</i>	0.87	
26 05 29 00-0266	EA		1-1/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	5.36	
			<i>For >50 To 100, Deduct</i>	-0.23	
			<i>For >100 To 250, Deduct</i>	-0.46	
			<i>For >250 To 500, Deduct</i>	-0.88	
			<i>For >500, Deduct</i>	-1.31	
			<i>For Work In Restricted Working Space, Add</i>	1.16	
26 05 29 00-0267	EA		1-1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	6.05	
			<i>For >50 To 100, Deduct</i>	-0.25	
			<i>For >100 To 250, Deduct</i>	-0.50	
			<i>For >250 To 500, Deduct</i>	-0.94	
			<i>For >500, Deduct</i>	-1.38	
			<i>For Work In Restricted Working Space, Add</i>	1.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0268 EA 2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	6.09	
<i>For >50 To 100, Deduct</i>	-0.25	
<i>For >100 To 250, Deduct</i>	-0.50	
<i>For >250 To 500, Deduct</i>	-0.94	
<i>For >500, Deduct</i>	-1.38	
<i>For Work In Restricted Working Space, Add</i>	1.16	
26 05 29 00-0269 "J" Type Conduit Hangers <small>(26 05 29 00-0165)</small>		
26 05 29 00-0270 EA 1/2", "J" Type Conduit Hanger (Unistrut J1205).....	16.54	
<i>For >50 To 100, Deduct</i>	-0.58	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-3.00	
<i>For Work In Restricted Working Space, Add</i>	2.03	
26 05 29 00-0271 EA 3/4", "J" Type Conduit Hanger (Unistrut J1207).....	16.71	
<i>For >50 To 100, Deduct</i>	-0.59	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-2.10	
<i>For >500, Deduct</i>	-3.02	
<i>For Work In Restricted Working Space, Add</i>	2.03	
26 05 29 00-0272 EA 1", "J" Type Conduit Hanger (Unistrut J1210).....	17.84	
<i>For >50 To 100, Deduct</i>	-0.64	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-2.30	
<i>For >500, Deduct</i>	-3.33	
<i>For Work In Restricted Working Space, Add</i>	2.32	
26 05 29 00-0273 EA 1-1/4", "J" Type Conduit Hanger (Unistrut J1212).....	18.03	
<i>For >50 To 100, Deduct</i>	-0.64	
<i>For >100 To 250, Deduct</i>	-1.29	
<i>For >250 To 500, Deduct</i>	-2.32	
<i>For >500, Deduct</i>	-3.35	
<i>For Work In Restricted Working Space, Add</i>	2.32	
26 05 29 00-0274 EA 1-1/2", "J" Type Conduit Hanger (Unistrut J1215).....	19.12	
<i>For >50 To 100, Deduct</i>	-0.70	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-2.52	
<i>For >500, Deduct</i>	-3.65	
<i>For Work In Restricted Working Space, Add</i>	2.61	
26 05 29 00-0275 EA 2", "J" Type Conduit Hanger (Unistrut J1220).....	19.82	
<i>For >50 To 100, Deduct</i>	-0.71	
<i>For >100 To 250, Deduct</i>	-1.43	
<i>For >250 To 500, Deduct</i>	-2.57	
<i>For >500, Deduct</i>	-3.72	
<i>For Work In Restricted Working Space, Add</i>	2.61	
26 05 29 00-0276 EA 2-1/2", "J" Type Conduit Hanger (Unistrut J1225).....	30.72	
<i>For >50 To 100, Deduct</i>	-1.01	
<i>For >100 To 250, Deduct</i>	-2.02	
<i>For >250 To 500, Deduct</i>	-3.51	
<i>For >500, Deduct</i>	-5.00	
<i>For Work In Restricted Working Space, Add</i>	2.90	
26 05 29 00-0277 EA 3", "J" Type Conduit Hanger (Unistrut J1230).....	32.73	
<i>For >50 To 100, Deduct</i>	-1.08	
<i>For >100 To 250, Deduct</i>	-2.17	
<i>For >250 To 500, Deduct</i>	-3.78	
<i>For >500, Deduct</i>	-5.40	
<i>For Work In Restricted Working Space, Add</i>	3.18	
26 05 29 00-0278 EA 3-1/2", "J" Type Conduit Hanger (Unistrut J1235).....	35.27	
<i>For >50 To 100, Deduct</i>	-1.17	
<i>For >100 To 250, Deduct</i>	-2.34	
<i>For >250 To 500, Deduct</i>	-4.09	
<i>For >500, Deduct</i>	-5.84	
<i>For Work In Restricted Working Space, Add</i>	3.47	
26 05 29 00-0279 EA 4", "J" Type Conduit Hanger (Unistrut J1240).....	46.05	
<i>For >50 To 100, Deduct</i>	-1.44	
<i>For >100 To 250, Deduct</i>	-2.88	
<i>For >250 To 500, Deduct</i>	-4.90	
<i>For >500, Deduct</i>	-6.92	
<i>For Work In Restricted Working Space, Add</i>	3.47	
26 05 29 00-0280 EA 5", "J" Type Conduit Hanger (Unistrut J1250).....	50.56	
<i>For >50 To 100, Deduct</i>	-1.58	
<i>For >100 To 250, Deduct</i>	-3.16	
<i>For >250 To 500, Deduct</i>	-5.36	
<i>For >500, Deduct</i>	-7.56	
<i>For Work In Restricted Working Space, Add</i>	3.76	
26 05 29 00-0281 EA 6", "J" Type Conduit Hanger (Unistrut J1260).....	70.57	
<i>For >50 To 100, Deduct</i>	-2.13	
<i>For >100 To 250, Deduct</i>	-4.25	
<i>For >250 To 500, Deduct</i>	-7.10	
<i>For >500, Deduct</i>	-9.95	
<i>For Work In Restricted Working Space, Add</i>	4.34	
26 05 29 00-0282 Between Studs Box Brackets <small>(26 05 29 00-0165)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0283 EA 16" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB16A)	6.08	
For >50 To 100, Deduct	-0.22	
For >100 To 250, Deduct	-0.45	
For >250 To 500, Deduct	-0.82	
For >500, Deduct	-1.19	
For Work In Restricted Working Space, Add	0.87	
26 05 29 00-0284 EA 24" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB24A)	7.17	
For >50 To 100, Deduct	-0.25	
For >100 To 250, Deduct	-0.50	
For >250 To 500, Deduct	-0.90	
For >500, Deduct	-1.30	
For Work In Restricted Working Space, Add	0.87	
26 05 29 00-0285 Hangers And Brackets <small>(26 05 29 00-0165)</small>		
26 05 29 00-0286 EA Rod Hangers Only With 1/4" Thread Impression (Caddy 4TI)	2.35	
For >50 To 100, Deduct	-0.11	
For >100 To 250, Deduct	-0.21	
For >250 To 500, Deduct	-0.42	
For >500, Deduct	-0.62	
26 05 29 00-0287 EA Angle Bracket Only With 1/4" Hole (Caddy AB)	2.28	
For >50 To 100, Deduct	-0.11	
For >100 To 250, Deduct	-0.21	
For >250 To 500, Deduct	-0.41	
For >500, Deduct	-0.61	
26 05 29 00-0288 EA Offset Bracket Only With 1/4" Hole (Caddy AO)	2.28	
For >50 To 100, Deduct	-0.11	
For >100 To 250, Deduct	-0.21	
For >250 To 500, Deduct	-0.41	
For >500, Deduct	-0.61	
26 05 29 00-0289 EA Angle Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIB)	2.94	
For >50 To 100, Deduct	-0.12	
For >100 To 250, Deduct	-0.24	
For >250 To 500, Deduct	-0.46	
For >500, Deduct	-0.68	
26 05 29 00-0290 EA Angle Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIB)	2.96	
For >50 To 100, Deduct	-0.12	
For >100 To 250, Deduct	-0.24	
For >250 To 500, Deduct	-0.46	
For >500, Deduct	-0.68	
26 05 29 00-0291 EA Angle Bracket Mount, 1/4" Or 3/8" Threaded Rod Hanger With Nut (Caddy 6TB)	2.88	
For >50 To 100, Deduct	-0.12	
For >100 To 250, Deduct	-0.24	
For >250 To 500, Deduct	-0.46	
For >500, Deduct	-0.67	
26 05 29 00-0292 EA Offset Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIO)	2.94	
For >50 To 100, Deduct	-0.12	
For >100 To 250, Deduct	-0.24	
For >250 To 500, Deduct	-0.46	
For >500, Deduct	-0.68	
26 05 29 00-0293 EA Offset Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIO)	2.96	
For >50 To 100, Deduct	-0.12	
For >100 To 250, Deduct	-0.24	
For >250 To 500, Deduct	-0.46	
For >500, Deduct	-0.68	
26 05 29 00-0294 Clips And Accessories <small>(26 05 29 00-0165)</small>		
26 05 29 00-0295 EA 1/2" Diameter Center, Bridle Ring (Caddy 2BR)	1.57	
For >50 To 100, Deduct	-0.07	
For >100 To 250, Deduct	-0.14	
For >250 To 500, Deduct	-0.27	
For >500, Deduct	-0.40	
26 05 29 00-0296 EA 3/4" Diameter Center, Bridle Ring (Caddy 2BR12)	1.59	
For >50 To 100, Deduct	-0.07	
For >100 To 250, Deduct	-0.14	
For >250 To 500, Deduct	-0.27	
For >500, Deduct	-0.40	
26 05 29 00-0297 EA 1-1/4" Diameter Center, Bridle Ring (Caddy 2BR20)	1.69	
For >50 To 100, Deduct	-0.07	
For >100 To 250, Deduct	-0.14	
For >250 To 500, Deduct	-0.28	
For >500, Deduct	-0.41	
26 05 29 00-0298 EA 2" Diameter Center, Bridle Ring (Caddy 2BR32)	1.90	
For >50 To 100, Deduct	-0.08	
For >100 To 250, Deduct	-0.16	
For >250 To 500, Deduct	-0.29	
For >500, Deduct	-0.43	
26 05 29 00-0299 Wire Ties <small>(26 05 29 00-0165)</small>		
Note: Per hundred (C).		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0300 C 3" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	23.29	
For Up To 0.1, Add	20.14	
For >0.1 To 0.25, Add	10.07	
For >0.25 To 0.75, Add	5.04	
For >2.0, Deduct	-2.01	
For UV Black, Add	0.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.04	
26 05 29 00-0301 C 4" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	23.41	
For Up To 0.1, Add	20.14	
For >0.1 To 0.25, Add	10.07	
For >0.25 To 0.75, Add	5.04	
For >2.0, Deduct	-2.01	
For UV Black, Add	0.49	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.04	
26 05 29 00-0302 C 4-3/4" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	23.50	
For Up To 0.1, Add	20.14	
For >0.1 To 0.25, Add	10.07	
For >0.25 To 0.75, Add	5.04	
For >2.0, Deduct	-2.01	
For UV Black, Add	0.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.04	
26 05 29 00-0303 C 5-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	23.53	
For Up To 0.1, Add	20.14	
For >0.1 To 0.25, Add	10.07	
For >0.25 To 0.75, Add	5.04	
For >2.0, Deduct	-2.01	
For UV Black, Add	0.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.04	
26 05 29 00-0304 C 6-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	24.44	
For Up To 0.1, Add	21.01	
For >0.1 To 0.25, Add	10.51	
For >0.25 To 0.75, Add	5.25	
For >2.0, Deduct	-2.10	
For UV Black, Add	0.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.30	
26 05 29 00-0305 C 8" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	28.05	
For Up To 0.1, Add	21.96	
For >0.1 To 0.25, Add	10.98	
For >0.25 To 0.75, Add	5.49	
For >2.0, Deduct	-2.20	
For UV Black, Add	0.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.59	
26 05 29 00-0306 C 4-3/4" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	26.67	
For Up To 0.1, Add	20.14	
For >0.1 To 0.25, Add	10.07	
For >0.25 To 0.75, Add	5.04	
For >2.0, Deduct	-2.01	
For UV Black, Add	0.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.04	
26 05 29 00-0307 C 6" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	27.59	
For Up To 0.1, Add	21.01	
For >0.1 To 0.25, Add	10.51	
For >0.25 To 0.75, Add	5.25	
For >2.0, Deduct	-2.10	
For UV Black, Add	0.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.30	
26 05 29 00-0308 C 8" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	28.58	
For Up To 0.1, Add	21.96	
For >0.1 To 0.25, Add	10.98	
For >0.25 To 0.75, Add	5.49	
For >2.0, Deduct	-2.20	
For UV Black, Add	0.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.59	
26 05 29 00-0309 C 10" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	38.95	
For Up To 0.1, Add	23.69	
For >0.1 To 0.25, Add	11.85	
For >0.25 To 0.75, Add	5.92	
For >2.0, Deduct	-2.37	
For UV Black, Add	2.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.11	
26 05 29 00-0310 C 11-1/2" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	40.33	
For Up To 0.1, Add	23.69	
For >0.1 To 0.25, Add	11.85	
For >0.25 To 0.75, Add	5.92	
For >2.0, Deduct	-2.37	
For UV Black, Add	2.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.11	
26 05 29 00-0311 C 7" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	29.54	
For Up To 0.1, Add	21.96	
For >0.1 To 0.25, Add	10.98	
For >0.25 To 0.75, Add	5.49	
For >2.0, Deduct	-2.20	
For UV Black, Add	1.14	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.59	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0312	C		8" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	28.32	
			<i>For Up To 0.1, Add</i>	21.96	
			<i>For >0.1 To 0.25, Add</i>	10.98	
			<i>For >0.25 To 0.75, Add</i>	5.49	
			<i>For >2.0, Deduct</i>	-2.20	
			<i>For UV Black, Add</i>	0.95	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.59	
26 05 29 00-0313	C		11" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	39.33	
			<i>For Up To 0.1, Add</i>	23.69	
			<i>For >0.1 To 0.25, Add</i>	11.85	
			<i>For >0.25 To 0.75, Add</i>	5.92	
			<i>For >2.0, Deduct</i>	-2.37	
			<i>For UV Black, Add</i>	2.35	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.11	
26 05 29 00-0314	C		14-1/2" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	44.39	
			<i>For Up To 0.1, Add</i>	25.16	
			<i>For >0.1 To 0.25, Add</i>	12.58	
			<i>For >0.25 To 0.75, Add</i>	6.29	
			<i>For >2.0, Deduct</i>	-2.52	
			<i>For UV Black, Add</i>	2.88	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.55	
26 05 29 00-0315	C		8" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	42.60	
			<i>For Up To 0.1, Add</i>	21.96	
			<i>For >0.1 To 0.25, Add</i>	10.98	
			<i>For >0.25 To 0.75, Add</i>	5.49	
			<i>For >2.0, Deduct</i>	-2.20	
			<i>For UV Black, Add</i>	3.10	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.59	
26 05 29 00-0316	C		11" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	46.54	
			<i>For Up To 0.1, Add</i>	23.69	
			<i>For >0.1 To 0.25, Add</i>	11.85	
			<i>For >0.25 To 0.75, Add</i>	5.92	
			<i>For >2.0, Deduct</i>	-2.37	
			<i>For UV Black, Add</i>	3.43	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.11	
26 05 29 00-0317	C		15" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	55.21	
			<i>For Up To 0.1, Add</i>	25.16	
			<i>For >0.1 To 0.25, Add</i>	12.58	
			<i>For >0.25 To 0.75, Add</i>	6.29	
			<i>For >2.0, Deduct</i>	-2.52	
			<i>For UV Black, Add</i>	4.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.55	
26 05 29 00-0318	C		17" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	76.08	
			<i>For Up To 0.1, Add</i>	26.84	
			<i>For >0.1 To 0.25, Add</i>	13.42	
			<i>For >0.25 To 0.75, Add</i>	6.71	
			<i>For >2.0, Deduct</i>	-2.68	
			<i>For UV Black, Add</i>	7.39	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.05	
26 05 29 00-0319	C		17-3/4" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	73.98	
			<i>For Up To 0.1, Add</i>	26.84	
			<i>For >0.1 To 0.25, Add</i>	13.42	
			<i>For >0.25 To 0.75, Add</i>	6.71	
			<i>For >2.0, Deduct</i>	-2.68	
			<i>For UV Black, Add</i>	7.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.05	
26 05 29 00-0320	C		21-11/16" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	88.66	
			<i>For Up To 0.1, Add</i>	28.09	
			<i>For >0.1 To 0.25, Add</i>	14.05	
			<i>For >0.25 To 0.75, Add</i>	7.02	
			<i>For >2.0, Deduct</i>	-2.81	
			<i>For UV Black, Add</i>	9.09	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.43	
26 05 29 00-0321	C		30" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	101.66	
			<i>For Up To 0.1, Add</i>	29.46	
			<i>For >0.1 To 0.25, Add</i>	14.73	
			<i>For >0.25 To 0.75, Add</i>	7.37	
			<i>For >2.0, Deduct</i>	-2.95	
			<i>For UV Black, Add</i>	10.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.84	
26 05 29 00-0322	C		46" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	136.69	
			<i>For Up To 0.1, Add</i>	31.79	
			<i>For >0.1 To 0.25, Add</i>	15.90	
			<i>For >0.25 To 0.75, Add</i>	7.95	
			<i>For >2.0, Deduct</i>	-3.18	
			<i>For UV Black, Add</i>	15.74	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.54	
26 05 29 00-0323	C		3/4" x 3/4" Self Adhesive Tie Mounts.....	31.74	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.06	
26 05 29 00-0324	C		1.1" x 1.1" Tie Mounts With Screw.....	63.09	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.12	
26 05 29 00-0325	EA		6" Length x 1/2" Width, Velcro Grip Cable Tie.....	1.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	0.14	
26 05 29 00-0326	EA		8" Length x 1/2" Width, Velcro Grip Cable Tie.....	1.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	0.12	
26 05 29 00-0327	EA		12" Length x 1/2" Width, Velcro Grip Cable Tie.....	1.76	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	0.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0328 EA 15" Length x 3/4" Width, Velcro Grip Cable Tie <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.42 0.12	
26 05 29 00-0329 EA 180" Length x 3/4" Width, Velcro Grip Cable Tie Roll <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.87 0.91	
26 05 29 00-0330 Fastening Devices For Wireway And Conduit <small>(26 05 29)</small> Note: Bolts include drilling of holes with power tools in concrete, brick, concrete block, wood, tile or steel and alignment of hangers and supports.		
26 05 29 00-0331 Toggle Bolts <small>(26 05 29 00-0330)</small> Note: Includes machine screw, toggle wing and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0332 EA 1/8" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt..... <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	7.52 -0.72 -1.44 -2.51 -3.58	
26 05 29 00-0333 EA 1/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt..... <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	8.73 -0.74 -1.47 -2.57 -3.67	
26 05 29 00-0334 EA 3/16" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt..... <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	8.15 -0.76 -1.52 -2.65 -3.78	
26 05 29 00-0335 EA 3/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt..... <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	8.36 -0.78 -1.56 -2.71 -3.87	
26 05 29 00-0336 EA 1/4" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt..... <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	8.55 -0.80 -1.59 -2.78 -3.96	
26 05 29 00-0337 EA 5/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt..... <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	9.70 -0.84 -1.68 -2.91 -4.15	
26 05 29 00-0338 EA 3/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt..... <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	10.11 -0.86 -1.72 -2.99 -4.26	
26 05 29 00-0339 Machine Screws <small>(26 05 29 00-0330)</small> Note: Includes drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0340 EA #8 Diameter, 2" Length, Zinc Plated Steel, Machine Screw..... <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	2.22 -0.22 -0.43 -0.76 -1.08	
26 05 29 00-0341 EA #10 Diameter, 2" Length, Zinc Plated Steel, Machine Screw..... <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	2.25 -0.22 -0.43 -0.76 -1.08	
26 05 29 00-0342 EA 1/4" Diameter, 2" Length, Zinc Plated Steel, Machine Screw <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	2.83 -0.27 -0.55 -0.95 -1.36	
26 05 29 00-0343 EA 5/16" Diameter, 2" Length, Zinc Plated Steel, Machine Screw <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	2.96 -0.28 -0.55 -0.96 -1.37	
26 05 29 00-0344 EA 3/8" Diameter, 2" Length, Zinc Plated Steel, Machine Screw <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	3.65 -0.33 -0.66 -1.16 -1.65	
26 05 29 00-0345 Hex Lag Bolts With Lag Shield Expansion Anchors <small>(26 05 29 00-0330)</small> Note: Includes lag bolt, lag shield expansion anchor and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0346 EA 1/4" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	3.65 -0.29 -0.59 -1.01 -1.44	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0347	EA		5/16" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	3.61	
			<i>For >50 To 100, Deduct</i>	-0.29	
			<i>For >100 To 250, Deduct</i>	-0.58	
			<i>For >250 To 500, Deduct</i>	-1.01	
			<i>For >500, Deduct</i>	-1.44	
26 05 29 00-0348	EA		3/8" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	5.12	
			<i>For >50 To 100, Deduct</i>	-0.37	
			<i>For >100 To 250, Deduct</i>	-0.74	
			<i>For >250 To 500, Deduct</i>	-1.27	
			<i>For >500, Deduct</i>	-1.80	
26 05 29 00-0349	EA		1/2" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	6.56	
			<i>For >50 To 100, Deduct</i>	-0.44	
			<i>For >100 To 250, Deduct</i>	-0.89	
			<i>For >250 To 500, Deduct</i>	-1.52	
			<i>For >500, Deduct</i>	-2.15	
26 05 29 00-0350			Hanger Lag Bolts With Hex Nuts <small>(26 05 29 00-0330)</small>		
			Note: Includes hanger lag bolt (threaded one side), hex nut and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0351	EA		1/4" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	2.72	
			<i>For >50 To 100, Deduct</i>	-0.23	
			<i>For >100 To 250, Deduct</i>	-0.46	
			<i>For >250 To 500, Deduct</i>	-0.79	
			<i>For >500, Deduct</i>	-1.13	
26 05 29 00-0352	EA		5/16" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	2.77	
			<i>For >50 To 100, Deduct</i>	-0.23	
			<i>For >100 To 250, Deduct</i>	-0.46	
			<i>For >250 To 500, Deduct</i>	-0.80	
			<i>For >500, Deduct</i>	-1.13	
26 05 29 00-0353	EA		3/8" Diameter, 2-1/2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	3.28	
			<i>For >50 To 100, Deduct</i>	-0.26	
			<i>For >100 To 250, Deduct</i>	-0.52	
			<i>For >250 To 500, Deduct</i>	-0.90	
			<i>For >500, Deduct</i>	-1.28	
26 05 29 00-0354			Hollow Wall Screw Anchors <small>(26 05 29 00-0330)</small>		
26 05 29 00-0355	EA		6-32 Screw Size, 5/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.60	
			<i>For >50 To 100, Deduct</i>	-0.14	
			<i>For >100 To 250, Deduct</i>	-0.27	
			<i>For >250 To 500, Deduct</i>	-0.47	
			<i>For >500, Deduct</i>	-0.67	
26 05 29 00-0356	EA		6-32 Screw Size, 5/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.65	
			<i>For >50 To 100, Deduct</i>	-0.14	
			<i>For >100 To 250, Deduct</i>	-0.27	
			<i>For >250 To 500, Deduct</i>	-0.48	
			<i>For >500, Deduct</i>	-0.68	
26 05 29 00-0357	EA		6-32 Screw Size, 5/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.73	
			<i>For >50 To 100, Deduct</i>	-0.14	
			<i>For >100 To 250, Deduct</i>	-0.28	
			<i>For >250 To 500, Deduct</i>	-0.48	
			<i>For >500, Deduct</i>	-0.69	
26 05 29 00-0358	EA		10-24 Screw Size, 3/8" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.20	
			<i>For >50 To 100, Deduct</i>	-0.17	
			<i>For >100 To 250, Deduct</i>	-0.33	
			<i>For >250 To 500, Deduct</i>	-0.57	
			<i>For >500, Deduct</i>	-0.82	
26 05 29 00-0359	EA		10-24 Screw Size, 3/8" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.31	
			<i>For >50 To 100, Deduct</i>	-0.17	
			<i>For >100 To 250, Deduct</i>	-0.34	
			<i>For >250 To 500, Deduct</i>	-0.58	
			<i>For >500, Deduct</i>	-0.83	
26 05 29 00-0360	EA		10-24 Screw Size, 3/8" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.34	
			<i>For >50 To 100, Deduct</i>	-0.17	
			<i>For >100 To 250, Deduct</i>	-0.34	
			<i>For >250 To 500, Deduct</i>	-0.59	
			<i>For >500, Deduct</i>	-0.83	
26 05 29 00-0361	EA		1/4-20 Screw Size, 7/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.36	
			<i>For >50 To 100, Deduct</i>	-0.17	
			<i>For >100 To 250, Deduct</i>	-0.34	
			<i>For >250 To 500, Deduct</i>	-0.59	
			<i>For >500, Deduct</i>	-0.83	
26 05 29 00-0362	EA		1/4-20 Screw Size, 7/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.52	
			<i>For >50 To 100, Deduct</i>	-0.17	
			<i>For >100 To 250, Deduct</i>	-0.35	
			<i>For >250 To 500, Deduct</i>	-0.60	
			<i>For >500, Deduct</i>	-0.85	
26 05 29 00-0363	EA		1/4-20 Screw Size, 7/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.58	
			<i>For >50 To 100, Deduct</i>	-0.18	
			<i>For >100 To 250, Deduct</i>	-0.35	
			<i>For >250 To 500, Deduct</i>	-0.60	
			<i>For >500, Deduct</i>	-0.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0364 Lead Screw Anchors <small>(26 05 29 00-0330)</small>		
<i>Note: Includes screw.</i>		
26 05 29 00-0365 EA #6-8 Screw Size, 1/4" Hole Diameter, Lead Screw Anchor With Screw	3.71	
<i>For >50 To 100, Deduct</i>		-0.34
<i>For >100 To 250, Deduct</i>		-0.68
<i>For >250 To 500, Deduct</i>		-1.18
<i>For >500, Deduct</i>		-1.69
26 05 29 00-0366 EA #10-14 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	4.42	
<i>For >50 To 100, Deduct</i>		-0.40
<i>For >100 To 250, Deduct</i>		-0.79
<i>For >250 To 500, Deduct</i>		-1.38
<i>For >500, Deduct</i>		-1.97
26 05 29 00-0367 EA #16-18 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	5.99	
<i>For >50 To 100, Deduct</i>		-0.51
<i>For >100 To 250, Deduct</i>		-1.03
<i>For >250 To 500, Deduct</i>		-1.78
<i>For >500, Deduct</i>		-2.54
26 05 29 00-0368 Acoustical T-Bar Clips <small>(26 05 29 00-0330)</small>		
<i>Note: For conduit installation above suspended ceilings up to 15' height.</i>		
26 05 29 00-0369 EA 1/2" Conduit, Push-In Acoustical T-Bar Clip	5.64	
<i>For >50 To 100, Deduct</i>		-0.45
<i>For >100 To 250, Deduct</i>		-0.90
<i>For >250 To 500, Deduct</i>		-1.55
<i>For >500, Deduct</i>		-2.21
26 05 29 00-0370 EA 3/4" Conduit, Push-In Acoustical T-Bar Clip	5.92	
<i>For >50 To 100, Deduct</i>		-0.47
<i>For >100 To 250, Deduct</i>		-0.95
<i>For >250 To 500, Deduct</i>		-1.63
<i>For >500, Deduct</i>		-2.32
26 05 29 00-0371 EA 1" Conduit, Push-In Acoustical T-Bar Clip	6.42	
<i>For >50 To 100, Deduct</i>		-0.50
<i>For >100 To 250, Deduct</i>		-1.01
<i>For >250 To 500, Deduct</i>		-1.74
<i>For >500, Deduct</i>		-2.47
26 05 29 00-0372 Threaded Rod, Accessories And Attachments <small>(26 05 29)</small>		
26 05 29 00-0373 Threaded Rod And Rod Accessories <small>(26 05 29 00-0372)</small>		
26 05 29 00-0374 Carbon Steel Threaded Rod <small>(26 05 29 00-0373)</small>		
<i>Note: Includes plain finish.</i>		
26 05 29 00-0375 LF 3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.79	0.61
<i>For Galvanized, Add</i>		0.64
<i>For Zinc Coated, Add</i>		0.45
26 05 29 00-0376 LF 1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.81	0.65
<i>For Galvanized, Add</i>		1.01
<i>For Zinc Coated, Add</i>		0.72
26 05 29 00-0377 LF 5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.24	0.66
<i>For Galvanized, Add</i>		1.56
<i>For Zinc Coated, Add</i>		1.11
26 05 29 00-0378 LF 3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	8.48	0.68
<i>For Galvanized, Add</i>		2.84
<i>For Zinc Coated, Add</i>		2.03
26 05 29 00-0379 LF 7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	9.24	0.71
<i>For Galvanized, Add</i>		3.13
<i>For Zinc Coated, Add</i>		2.23
26 05 29 00-0380 LF 1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	12.59	0.80
<i>For Galvanized, Add</i>		4.39
<i>For Zinc Coated, Add</i>		3.13
26 05 29 00-0381 LF 1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	15.63	0.89
<i>For Galvanized, Add</i>		5.54
<i>For Zinc Coated, Add</i>		3.94
26 05 29 00-0382 Threaded Rod Couplings <small>(26 05 29 00-0373)</small>		
26 05 29 00-0383 EA 3/8" Diameter, Threaded Rod Coupling Nut	7.78	
26 05 29 00-0384 EA 1/2" Diameter, Threaded Rod Coupling Nut	8.83	
26 05 29 00-0385 EA 5/8" Diameter, Threaded Rod Coupling Nut	11.04	
26 05 29 00-0386 EA 3/4" Diameter, Threaded Rod Coupling Nut	13.47	
26 05 29 00-0387 EA 7/8" Diameter, Threaded Rod Coupling Nut	19.72	
26 05 29 00-0388 EA 1" Diameter, Threaded Rod Coupling Nut	23.40	
26 05 29 00-0389 EA 1-1/8" Diameter, Threaded Rod Coupling Nut	44.75	
26 05 29 00-0390 Flat Washers <small>(26 05 29 00-0373)</small>		
26 05 29 00-0391 EA 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.67	0.24
<i>For Galvanized, Add</i>		0.03
26 05 29 00-0392 EA 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.86	0.24
<i>For Galvanized, Add</i>		0.07
26 05 29 00-0393 EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.12	0.24
<i>For Galvanized, Add</i>		0.12

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0394 EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.38	0.48
For Galvanized, Add	0.18	
26 05 29 00-0395 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.55	0.48
For Galvanized, Add	0.21	
26 05 29 00-0396 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.83	0.48
For Galvanized, Add	0.26	
26 05 29 00-0397 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.06	0.48
For Galvanized, Add	0.29	
26 05 29 00-0398 Malleable Iron Eye Sockets (26 05 29 00-0373)		
Note: Type 16.		
26 05 29 00-0399 EA 3/8" Rod Size, Malleable Iron Eye Socket	8.44	
26 05 29 00-0400 EA 1/2" Rod Size, Malleable Iron Eye Socket	10.06	
26 05 29 00-0401 EA 5/8" Rod Size, Malleable Iron Eye Socket	17.31	
26 05 29 00-0402 EA 3/4" Rod Size, Malleable Iron Eye Socket	24.56	
26 05 29 00-0403 EA 7/8" Rod Size, Malleable Iron Eye Socket	26.20	
26 05 29 00-0404 Hex Nuts (26 05 29 00-0373)		
26 05 29 00-0405 EA 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.65	0.24
For Galvanized, Add	0.03	
26 05 29 00-0406 EA 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.82	0.24
For Galvanized, Add	0.06	
26 05 29 00-0407 EA 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.12	0.24
For Galvanized, Add	0.12	
26 05 29 00-0408 EA 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.33	0.48
For Galvanized, Add	0.17	
26 05 29 00-0409 EA 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.96	0.48
For Galvanized, Add	0.31	
26 05 29 00-0410 EA 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.49	0.48
For Galvanized, Add	0.42	
26 05 29 00-0411 EA 1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	4.09	0.48
For Galvanized, Add	0.80	
26 05 29 00-0412 Forged Steel Turnbuckles (26 05 29 00-0373)		
Note: Type 13.		
26 05 29 00-0413 EA 3/8" Thread Diameter, Forged Steel Turnbuckle Body	20.90	
26 05 29 00-0414 EA 1/2" Thread Diameter, Forged Steel Turnbuckle Body	25.67	
26 05 29 00-0415 EA 5/8" Thread Diameter, Forged Steel Turnbuckle Body	34.07	
26 05 29 00-0416 EA 3/4" Thread Diameter, Forged Steel Turnbuckle Body	42.02	
26 05 29 00-0417 EA 7/8" Thread Diameter, Forged Steel Turnbuckle Body	101.10	
26 05 29 00-0418 EA 1" Thread Diameter, Forged Steel Turnbuckle Body	68.40	
26 05 29 00-0419 EA 1-1/4" Thread Diameter, Forged Steel Turnbuckle Body	135.64	
26 05 29 00-0420 Attachments (26 05 29 00-0372)		
26 05 29 00-0421 Welded Beam Attachments (26 05 29 00-0420)		
Note: Type 22.		
26 05 29 00-0422 EA 3/8" Rod Size, Welded Beam Attachment	38.58	9.65
26 05 29 00-0423 EA 1/2" Rod Size, Welded Beam Attachment	41.12	10.13
26 05 29 00-0424 EA 5/8" Rod Size, Welded Beam Attachment	43.73	10.71
26 05 29 00-0425 EA 3/4" Rod Size, Welded Beam Attachment	54.99	11.39
26 05 29 00-0426 EA 7/8" Rod Size, Welded Beam Attachment	65.45	12.06
26 05 29 00-0427 EA 1" Rod Size, Welded Beam Attachment	90.65	13.80
26 05 29 00-0428 EA 1-1/8" Rod Size, Welded Beam Attachment	126.63	14.48
26 05 29 00-0429 C-Clamp Style Beam Clamps (26 05 29 00-0420)		
Note: Type 23. Top or bottom flange mount.		
26 05 29 00-0430 EA 3/8" Rod Size, C-Clamp Style Beam Clamp	14.44	7.24
26 05 29 00-0431 EA 1/2" Rod Size, C-Clamp Style Beam Clamp	16.96	7.73
26 05 29 00-0432 EA 5/8" Rod Size, C-Clamp Style Beam Clamp	19.12	8.28
26 05 29 00-0433 EA 3/4" Rod Size, C-Clamp Style Beam Clamp	24.08	8.92
26 05 29 00-0434 EA 7/8" Rod Size, C-Clamp Style Beam Clamp	33.99	9.66
26 05 29 00-0435 Bottom Mount I-Beam Clamps (26 05 29 00-0420)		
Note: Type 21. For attaching threaded rod centered under beam flanges.		
26 05 29 00-0436 EA 3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	36.80	9.66
26 05 29 00-0437 EA 1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	53.05	10.55
26 05 29 00-0438 EA 5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	74.79	11.60
26 05 29 00-0439 EA 3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	89.24	12.88
26 05 29 00-0440 EA 1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	211.29	14.50
26 05 29 00-0441 Steel U-Bolts (26 05 29 00-0420)		
Note: Type 24. Includes plate and nuts.		
26 05 29 00-0442 EA 1/2" Pipe Size, Zinc Plated Steel, U-Bolt	11.73	5.80
26 05 29 00-0443 EA 3/4" Pipe Size, Zinc Plated Steel, U-Bolt	12.68	6.10



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0444	EA			1" Pipe Size, Zinc Plated Steel, U-Bolt	13.61	6.44
26 05 29 00-0445	EA			1-1/4" Pipe Size, Zinc Plated Steel, U-Bolt	15.33	6.82
26 05 29 00-0446	EA			1-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	15.89	7.24
26 05 29 00-0447	EA			2" Pipe Size, Zinc Plated Steel, U-Bolt	16.99	7.74
26 05 29 00-0448	EA			2-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	23.67	8.29
26 05 29 00-0449	EA			3" Pipe Size, Zinc Plated Steel, U-Bolt	26.03	8.92
26 05 29 00-0450	EA			4" Pipe Size, Zinc Plated Steel, U-Bolt	31.12	9.66
26 05 29 00-0451				Stainless Steel Threaded Rod <small>(26 05 29 00-0372)</small>		
26 05 29 00-0452	LF			1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	2.49	0.48
				<i>For 316 Stainless Steel, Add</i>	0.62	
26 05 29 00-0453	LF			5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	3.68	0.53
				<i>For 316 Stainless Steel, Add</i>	1.06	
26 05 29 00-0454	LF			3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	4.70	0.61
				<i>For 316 Stainless Steel, Add</i>	1.42	
26 05 29 00-0455	LF			7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	6.45	0.62
				<i>For 316 Stainless Steel, Add</i>	2.11	
26 05 29 00-0456	LF			1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	7.69	0.65
				<i>For 316 Stainless Steel, Add</i>	2.60	
26 05 29 00-0457	LF			5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	11.42	0.65
				<i>For 316 Stainless Steel, Add</i>	4.09	
26 05 29 00-0458	LF			3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	15.88	0.66
				<i>For 316 Stainless Steel, Add</i>	5.89	
26 05 29 00-0459	LF			7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	21.75	0.68
				<i>For 316 Stainless Steel, Add</i>	8.25	
26 05 29 00-0460	LF			1" Diameter, 304/18-8 Stainless Steel Threaded Rod	27.93	0.80
				<i>For 316 Stainless Steel, Add</i>	10.66	
26 05 29 00-0461	LF			1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	58.84	0.96
				<i>For 316 Stainless Steel, Add</i>	23.01	
26 05 29 00-0462				Polyvinyl Chloride (PVC) Coated Supports <small>(26 05 29)</small>		
				Note: Includes stainless steel and/or Polyvinyl Chloride (PVC) coated hardware.		
26 05 29 00-0463				Polyvinyl Chloride (PVC) Coated Beam Clamps <small>(26 05 29 00-0462)</small>		
26 05 29 00-0464				Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamps <small>(26 05 29 00-0463)</small>		
26 05 29 00-0465	EA			1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	55.22	19.30
26 05 29 00-0466	EA			3/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	59.99	21.04
26 05 29 00-0467	EA			1", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	63.80	23.16
26 05 29 00-0468	EA			1-1/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	77.14	25.77
26 05 29 00-0469	EA			1-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	89.35	28.95
26 05 29 00-0470	EA			2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	107.71	31.84
26 05 29 00-0471	EA			2-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	117.82	34.74
26 05 29 00-0472	EA			3", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	129.94	37.63
26 05 29 00-0473	EA			3-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	136.99	40.53
26 05 29 00-0474	EA			4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	148.18	43.42
26 05 29 00-0475				Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamps <small>(26 05 29 00-0463)</small>		
26 05 29 00-0476	EA			1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	59.68	19.30
26 05 29 00-0477	EA			3/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	63.00	21.04
26 05 29 00-0478	EA			1", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	72.83	23.16
26 05 29 00-0479	EA			1-1/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	80.35	25.77
26 05 29 00-0480	EA			1-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	90.59	28.95
26 05 29 00-0481	EA			2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	105.58	31.84
26 05 29 00-0482	EA			2-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	121.84	34.74
26 05 29 00-0483	EA			3", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	135.27	37.63
26 05 29 00-0484	EA			3-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	143.69	40.53
26 05 29 00-0485	EA			4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	149.08	43.42
26 05 29 00-0486				Edge, Polyvinyl Chloride (PVC) Coated Beam Clamps <small>(26 05 29 00-0463)</small>		
26 05 29 00-0487	EA			1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	56.09	19.11
26 05 29 00-0488	EA			3/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	60.24	20.84
26 05 29 00-0489	EA			1", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	68.33	23.16
26 05 29 00-0490	EA			1-1/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	80.67	25.48
26 05 29 00-0491	EA			1-1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	106.37	28.95
26 05 29 00-0492	EA			2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	116.58	31.84
26 05 29 00-0493				Polyvinyl Chloride (PVC) Coated Conduit Straps <small>(26 05 29 00-0462)</small>		
26 05 29 00-0494				One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps <small>(26 05 29 00-0493)</small>		
26 05 29 00-0495	EA			1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	7.30	0.58
26 05 29 00-0496	EA			3/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	7.94	0.58
26 05 29 00-0497	EA			1", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	11.75	0.58
26 05 29 00-0498	EA			1-1/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	14.32	0.58
26 05 29 00-0499	EA			1-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	18.90	0.58
26 05 29 00-0500	EA			2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	28.47	0.58
26 05 29 00-0501	EA			2-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	37.97	0.58

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0502	EA		3", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	50.92	0.58
26 05 29 00-0503	EA		3-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	90.25	0.58
26 05 29 00-0504	EA		4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	95.92	0.58
26 05 29 00-0505			Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps (26 05 29 00-0493)		
26 05 29 00-0506	EA		1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	14.39	1.16
26 05 29 00-0507	EA		3/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	14.45	1.16
26 05 29 00-0508	EA		1", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	14.84	1.16
26 05 29 00-0509	EA		1-1/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	18.76	1.16
26 05 29 00-0510	EA		1-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	19.29	1.16
26 05 29 00-0511	EA		2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	22.18	1.16
26 05 29 00-0512	EA		2-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	24.98	1.16
26 05 29 00-0513	EA		3", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	26.14	1.16
26 05 29 00-0514	EA		3-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	27.94	1.16
26 05 29 00-0515	EA		4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	30.34	1.16
26 05 29 00-0516			Polyvinyl Chloride (PVC) Coated Clamp Back Spacer (26 05 29 00-0462)		
26 05 29 00-0517			Polyvinyl Chloride (PVC) Coated Clamp Back Spacer (26 05 29 00-0516)		
26 05 29 00-0518	EA		1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	13.02	1.16
26 05 29 00-0519	EA		3/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	15.20	1.16
26 05 29 00-0520	EA		1" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	19.21	1.16
26 05 29 00-0521	EA		1-1/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	22.52	1.16
26 05 29 00-0522	EA		1-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	30.27	1.16
26 05 29 00-0523	EA		2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	37.00	1.16
26 05 29 00-0524	EA		2-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	74.84	1.16
26 05 29 00-0525	EA		3" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	102.33	1.16
26 05 29 00-0526	EA		3-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	179.37	1.16
26 05 29 00-0527	EA		4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	179.37	1.16
26 05 29 00-0528			Polyvinyl Chloride (PVC) Coated Threaded Rod And Accessories (26 05 29 00-0462)		
26 05 29 00-0529			Polyvinyl Chloride (PVC) Coated Threaded Rod (26 05 29 00-0528)		
26 05 29 00-0530	LF		3/8" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod.....	8.99	0.77
26 05 29 00-0531	LF		1/2" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod.....	11.10	0.87
26 05 29 00-0532			Attachments (26 05 29 00-0462)		
26 05 29 00-0533			Polyvinyl Chloride (PVC) Coated U-Bolts And Encapsulation Nuts (26 05 29 00-0532)		
26 05 29 00-0534	EA		1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	16.25	5.80
26 05 29 00-0535	EA		3/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	16.76	6.09
26 05 29 00-0536	EA		1" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	17.65	6.47
26 05 29 00-0537	EA		1-1/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	18.80	6.86
26 05 29 00-0538	EA		1-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	20.02	7.24
26 05 29 00-0539	EA		2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	22.62	7.74
26 05 29 00-0540	EA		2-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	33.48	8.31
26 05 29 00-0541	EA		3" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	35.06	8.89
26 05 29 00-0542	EA		4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	37.31	9.66
26 05 29 00-0543	EA		5" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	62.24	11.02
26 05 29 00-0544	EA		6" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	77.41	12.75
26 05 29 00-0545			Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamps (26 05 29 00-0532)		
26 05 29 00-0546	EA		1/4", 20 Hole, 15/16" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	56.76	19.11
26 05 29 00-0547	EA		5/16", 18 Hole, 7/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	67.35	19.11
26 05 29 00-0548	EA		3/8", 16 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	71.72	19.11
26 05 29 00-0549	EA		1/2", 13 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	79.37	20.27
26 05 29 00-0550	EA		1/2", 13 Hole, 2-1/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	93.10	23.16
26 05 29 00-0551			Polyvinyl Chloride (PVC) Coated Pipe Straps (26 05 29 00-0532)		
			Note: Includes stainless steel nuts and bolts.		
26 05 29 00-0552	EA		1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	17.64	6.37
26 05 29 00-0553	EA		3/4" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	18.62	6.94
26 05 29 00-0554	EA		1" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	20.28	7.52
26 05 29 00-0555	EA		1-1/4" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	22.89	8.69
26 05 29 00-0556	EA		1-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	26.16	9.84
26 05 29 00-0557	EA		2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	28.95	10.42
26 05 29 00-0558	EA		2-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	32.01	11.58
26 05 29 00-0559	EA		3" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	37.78	12.73
26 05 29 00-0560	EA		3-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	41.13	13.32
26 05 29 00-0561	EA		4" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	43.36	14.48
26 05 29 00-0562	EA		5" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	46.54	16.21
26 05 29 00-0563			Polyvinyl Chloride (PVC) Coated Channel (26 05 29 00-0462)		
26 05 29 00-0564	LF		Polyvinyl Chloride (PVC) Coated Channel, A12.....	17.25	2.90



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0565 LF Polyvinyl Chloride (PVC) Coated Channel, A12A.....	30.23	4.06
26 05 29 00-0566 LF Polyvinyl Chloride (PVC) Coated Channel, A12P.....	18.36	2.90
26 05 29 00-0567 LF Polyvinyl Chloride (PVC) Coated Channel, C14.....	13.83	2.90
26 05 29 00-0568 LF Polyvinyl Chloride (PVC) Coated Channel, C14P.....	14.52	2.90
26 05 29 00-0569 Polymer Concrete Pads <small>(26 05 29)</small> Note: Excludes excavation and backfill.		
26 05 29 00-0570 Polymer Concrete, Box Pads <small>(26 05 29 00-0569)</small>		
26 05 29 00-0571 EA 24" x 36", 18" Depth, Polymer Concrete, Box Pad.....	811.66	96.90
26 05 29 00-0572 EA 25" x 25", 24" Depth, Polymer Concrete, Box Pad.....	837.19	96.90
26 05 29 00-0573 EA 40" x 44", 15" Depth, Polymer Concrete, Box Pad.....	1,071.80	96.90
26 05 29 00-0574 EA 40" x 44", 24" Depth, Polymer Concrete, Box Pad.....	1,110.70	96.90
26 05 29 00-0575 EA 52" x 36", 18" Depth, Polymer Concrete, Box Pad.....	1,035.59	96.90
26 05 29 00-0576 EA 44" x 44", 32" Depth, Polymer Concrete, Box Pad.....	1,219.29	96.90
26 05 29 00-0577 EA 40" x 58", 24" Depth, Polymer Concrete, Box Pad.....	1,360.15	96.90
26 05 29 00-0578 EA 52" x 50", 18" Depth, Polymer Concrete, Box Pad.....	1,316.47	121.12
26 05 29 00-0579 EA 74" x 76", 36" Depth, Polymer Concrete, Box Pad.....	1,974.61	121.12
26 05 29 00-0580 EA 93" x 93", 36" Depth, Polymer Concrete, Box Pad.....	2,636.00	121.12
26 05 29 00-0581 Polymer Concrete, Telecommunications Equipment Pads <small>(26 05 29 00-0569)</small>		
26 05 29 00-0582 EA 42" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	394.01	52.58
26 05 29 00-0583 EA 48" x 46", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	463.75	52.58
26 05 29 00-0584 EA 60" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	602.56	72.67
26 05 29 00-0585 EA 54" x 48", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	628.48	72.67
26 05 29 00-0586 EA 57" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	892.36	72.67
26 05 29 00-0587 EA 72" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	929.03	72.67
26 05 29 00-0588 EA 64" x 72", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	997.37	72.67
26 05 29 00-0589 EA 72" x 64", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	997.37	72.67
26 05 29 00-0590 EA 76" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,855.88	72.67
26 05 29 00-0591 EA 96" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	2,100.84	72.67
26 05 29 00-0592 Polymer Concrete, Electrical Equipment Pads <small>(26 05 29 00-0569)</small>		
26 05 29 00-0593 EA 24" x 25", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	246.29	52.58
26 05 29 00-0594 EA 24" x 36", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	264.22	52.58
26 05 29 00-0595 EA 24" x 44", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	280.55	52.58
26 05 29 00-0596 EA 24" x 58", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	334.81	52.58
26 05 29 00-0597 EA 40" x 40", 3" Thick, Polymer Concrete, Electrical Equipment Pad.....	310.59	52.58
26 05 29 00-0598 EA 42" x 42", 3" Thick, Polymer Concrete, Electrical Equipment Pad.....	322.00	52.58
26 05 29 00-0599 EA 48" x 42", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	351.58	52.58
26 05 29 00-0600 EA 48" x 46", 3" Thick, Polymer Concrete, Electrical Equipment Pad.....	368.83	52.58
26 05 29 00-0601 EA 54" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	426.45	52.58
26 05 29 00-0602 EA 56" x 44", 3" Thick, Polymer Concrete, Electrical Equipment Pad.....	521.36	52.58
26 05 29 00-0603 EA 64" x 64", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	765.23	72.67
26 05 29 00-0604 EA 66" x 72", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	799.92	72.67
26 05 29 00-0605 EA 75" x 52", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	810.87	72.67
26 05 29 00-0606 EA 90" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	883.79	72.67
26 05 29 00-0607 EA 84" x 96", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	1,859.17	72.67
26 05 29 00-0608 EA 96" x 80", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	2,185.88	72.67
26 05 33 Raceway And Boxes For Electrical Systems <small>(26 05)</small>		
26 05 33 13 Conduit For Electrical Systems <small>(26 05 33)</small>		
26 05 33 13-0001 Conduit Assemblies <small>(26 05 33 13)</small> Note: Includes conduit, fittings and wire. Excludes hangers or supports.		
26 05 33 13-0002 Electrical Metallic Tubing (EMT) Conduit Assemblies <small>(26 05 33 13-0001)</small> Note: Includes conduit, field bends, set screw connectors, set screw couplings, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0547 for larger copper conductor, 26 05 33 13-0598 for larger EMT conduit.		
26 05 33 13-0003 CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	697.85	215.62
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	184.85	
<i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	1.03	
26 05 33 13-0004 CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	761.11	234.15
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	200.73	
<i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1.55	
26 05 33 13-0005 CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	824.34	252.67
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	216.60	
<i>For 4 #12 THWN Conductor Instead Of THHN, Add</i>	2.06	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0006 CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....734.69 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 192.79 <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i> 1.55	734.69	224.88
26 05 33 13-0007 CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....811.93 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 211.31 <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i> 2.32	811.93	246.49
26 05 33 13-0008 CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor .....815.75 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 208.67 <i>For 2 #8 THWN Conductor Instead Of THHN, Add</i> 2.70	815.75	243.41
26 05 33 13-0009 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....772.56 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 199.25 <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i> 1.03	772.56	232.46
26 05 33 13-0010 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....835.79 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 215.12 <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i> 1.55	835.79	250.99
26 05 33 13-0011 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....899.04 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 231.00	899.04	269.52
26 05 33 13-0012 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....962.30 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 246.89 <i>For 5 #12 THWN Conductor Instead Of THHN, Add</i> 2.58	962.30	288.05
26 05 33 13-0013 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....809.37 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 207.18 <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i> 1.55	809.37	241.73
26 05 33 13-0014 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....886.62 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 225.71 <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i> 2.32	886.62	263.34
26 05 33 13-0015 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....963.88 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 244.24 <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i> 3.09	963.88	284.96
26 05 33 13-0016 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....1,041.13 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 262.76 <i>For 5 #10 THWN Conductor Instead Of THHN, Add</i> 3.87	1,041.13	306.58
26 05 33 13-0017 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor .....996.82 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 246.89 <i>For 3 #8 THWN Conductor Instead Of THHN, Add</i> 4.05	996.82	288.05
26 05 33 13-0018 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor .....1,103.18 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 270.70 <i>For 4 #8 THWN Conductor Instead Of THHN, Add</i> 5.39	1,103.18	315.84
26 05 33 13-0019 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor .....990.10 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 238.94 <i>For 2 #6 THWN Conductor Instead Of THHN, Add</i> 4.46	990.10	278.79



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0020 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	1,131.73 268.06 6.69	312.75
26 05 33 13-0021 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	874.05 214.49 1.03	250.20
26 05 33 13-0022 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	937.30 230.37 1.55	268.72
26 05 33 13-0023 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	1,000.54 246.25	287.25
26 05 33 13-0024 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #12 THWN Conductor Instead Of THHN, Add</i>	1,063.80 262.13 2.58	305.78
26 05 33 13-0025 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	910.89 222.43 1.55	259.46
26 05 33 13-0026 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	988.13 240.95 2.32	281.08
26 05 33 13-0027 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	1,065.39 259.48 3.09	302.69
26 05 33 13-0028 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #10 THWN Conductor Instead Of THHN, Add</i>	1,142.64 278.01 3.87	324.31
26 05 33 13-0029 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	1,098.32 262.13 4.05	305.78
26 05 33 13-0030 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	1,233.23 283.30 6.69	330.48
26 05 33 13-0031 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #6 THWN Conductor Instead Of THHN, Add</i>	1,374.87 312.41 8.92	364.44
26 05 33 13-0032 Rigid Galvanized Steel (RGS) Conduit Assemblies <small>(26 05 33 13-0001)</small> Note: Includes conduit, field bends, terminations, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0547 for larger copper conductor, 26 05 33 13-0059 for larger RGS conduit.		
26 05 33 13-0033 CLF 1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	900.41 210.36 1.03	245.43
26 05 33 13-0034 CLF 1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	963.65 226.24 1.55	263.96

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0035	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	937.24 218.30 1.55	254.70
26 05 33	13-0036	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,014.49 236.83 2.32	276.31
26 05 33	13-0037	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #8 THWN Conductor Instead Of THHN, Add</i>	1,018.29 234.18 2.70	273.22
26 05 33	13-0038	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	986.38 224.33 1.03	261.76
26 05 33	13-0039	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1,049.62 240.21 1.55	280.29
26 05 33	13-0040	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	1,112.87 256.09	298.81
26 05 33	13-0041	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	1,023.20 232.27 1.55	271.02
26 05 33	13-0042	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,100.45 250.80 2.32	292.64
26 05 33	13-0043	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	1,177.70 269.33 3.09	314.25
26 05 33	13-0044	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	1,210.64 271.97 4.05	317.34
26 05 33	13-0045	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #8 THWN Conductor Instead Of THHN, Add</i>	1,317.02 295.79 5.39	345.13
26 05 33	13-0046	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #6 THWN Conductor Instead Of THHN, Add</i>	1,203.92 264.03 4.46	308.07
26 05 33	13-0047	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	1,345.57 293.15 6.69	342.04
26 05 33	13-0048	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1,255.94 267.92 1.55	312.57
26 05 33	13-0049	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	1,319.19 283.81	331.10
26 05 33	13-0050	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #12 THWN Conductor Instead Of THHN, Add</i>	1,382.42 299.68 2.58	349.63
26 05 33	13-0051	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,306.77 278.51 2.32	324.93



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0052 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 4 #10 THWN Conductor Instead Of THHN, Add	1,384.02 297.04 3.09	346.53
26 05 33 13-0053 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 5 #10 THWN Conductor Instead Of THHN, Add	1,461.27 315.56 3.87	368.15
26 05 33 13-0054 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 3 #8 THWN Conductor Instead Of THHN, Add	1,416.95 299.68 4.05	349.63
26 05 33 13-0055 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 3 #6 THWN Conductor Instead Of THHN, Add	1,551.88 320.86 6.69	374.33
26 05 33 13-0056 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 4 #6 THWN Conductor Instead Of THHN, Add	1,693.51 349.97 8.92	408.29
26 05 33 13-0057 Conduit <small>(26 05 33 13)</small> Note: Includes warning tape for underground conduits. Where 4-1/2" conduit is required, use tasks for 5" conduit. Add couplings as required at each fitting.		
26 05 33 13-0058 Conduit Installed Above Grade <small>(26 05 33 13-0057)</small> See CSI section 26 05 29 00-0000 for supporting strap, hanger and fastening.		
26 05 33 13-0059 Rigid Galvanized Steel (RGS) Or Galvanized Rigid Steel Conduit (GRC) Conduit <small>(26 05 33 13-0058)</small> Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0060 Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling <small>(26 05 33 13-0059)</small> Note: Includes field bending for conduit up to 1".		
26 05 33 13-0061 LF 1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Installation In Metal Stud Wall, Add For Installation In Wood Stud Wall (Includes Drilling), Add For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add For Elevated Installation >15' To 20', Add	6.46 -0.08 -0.36 -0.52 0.49 1.21 0.73 1.46 0.97	1.94
26 05 33 13-0062 LF 3/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Installation In Metal Stud Wall, Add For Installation In Wood Stud Wall (Includes Drilling), Add For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add For Elevated Installation >15' To 20', Add	7.27 -0.10 -0.41 -0.59 0.53 1.32 0.79 1.59 1.06	2.11
26 05 33 13-0063 LF 1" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Installation In Metal Stud Wall, Add For Installation In Wood Stud Wall (Includes Drilling), Add For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add For Elevated Installation >15' To 20', Add	9.24 -0.15 -0.54 -0.77 0.62 1.54 0.93 1.85 1.23	2.47
26 05 33 13-0064 LF 1-1/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Installation In Metal Stud Wall, Add For Installation In Wood Stud Wall (Includes Drilling), Add For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add For Elevated Installation >15' To 20', Add	11.15 -0.20 -0.66 -0.94 0.71 1.77 1.06 2.12 1.41	2.83
26 05 33 13-0065 LF 1-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Installation In Metal Stud Wall, Add For Installation In Wood Stud Wall (Includes Drilling), Add For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add For Elevated Installation >15' To 20', Add	12.95 -0.25 -0.77 -1.10 0.79 1.99 1.19 2.38 1.59	3.18

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0066 LF 2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	16.40	3.88
For >250 To 500, Deduct	-0.34	
For >500 To 1,000, Deduct	-0.99	
For >1,000, Deduct	-1.40	
For Installation In Metal Stud Wall, Add	0.97	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.43	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.46	
For Work In Restricted Working Space, Add	2.91	
For Elevated Installation >15' To 20', Add	1.94	
26 05 33 13-0067 LF 2-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	24.34	5.29
For >250 To 500, Deduct	-0.56	
For >500 To 1,000, Deduct	-1.49	
For >1,000, Deduct	-2.10	
For Installation In Metal Stud Wall, Add	1.32	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.31	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.98	
For Work In Restricted Working Space, Add	3.97	
For Elevated Installation >15' To 20', Add	2.65	
26 05 33 13-0068 LF 3" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	31.78	7.06
For >250 To 500, Deduct	-0.71	
For >500 To 1,000, Deduct	-1.94	
For >1,000, Deduct	-2.74	
For Installation In Metal Stud Wall, Add	1.77	
For Installation In Wood Stud Wall (Includes Drilling), Add	4.41	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.65	
For Work In Restricted Working Space, Add	5.30	
For Elevated Installation >15' To 20', Add	3.53	
26 05 33 13-0069 LF 3-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	39.30	8.82
For >250 To 500, Deduct	-0.86	
For >500 To 1,000, Deduct	-2.40	
For >1,000, Deduct	-3.38	
For Installation In Metal Stud Wall, Add	2.21	
For Installation In Wood Stud Wall (Includes Drilling), Add	5.52	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.31	
For Work In Restricted Working Space, Add	6.62	
For Elevated Installation >15' To 20', Add	4.41	
26 05 33 13-0070 LF 4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	46.53	10.58
For >250 To 500, Deduct	-1.00	
For >500 To 1,000, Deduct	-2.83	
For >1,000, Deduct	-3.99	
For Installation In Metal Stud Wall, Add	2.65	
For Installation In Wood Stud Wall (Includes Drilling), Add	6.62	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.97	
For Work In Restricted Working Space, Add	7.94	
For Elevated Installation >15' To 20', Add	5.29	
26 05 33 13-0071 LF 5" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	74.19	13.41
For >250 To 500, Deduct	-2.03	
For >500 To 1,000, Deduct	-4.73	
For >1,000, Deduct	-6.58	
For Installation In Metal Stud Wall, Add	3.35	
For Installation In Wood Stud Wall (Includes Drilling), Add	8.38	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	5.03	
For Work In Restricted Working Space, Add	10.06	
For Elevated Installation >15' To 20', Add	6.70	
26 05 33 13-0072 LF 6" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	99.50	16.94
For >250 To 500, Deduct	-2.86	
For >500 To 1,000, Deduct	-6.40	
For >1,000, Deduct	-8.89	
For Installation In Metal Stud Wall, Add	4.23	
For Installation In Wood Stud Wall (Includes Drilling), Add	10.59	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	6.35	
For Work In Restricted Working Space, Add	12.70	
For Elevated Installation >15' To 20', Add	8.47	
26 05 33 13-0073 Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow <small>(26 05 33 13-0059)</small>		
See CSI section 26 05 33 13-2224 for conduit field bending.		
26 05 33 13-0074 EA 1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	25.61	8.73
For Work In Restricted Working Space, Add	6.57	
For Elevated Installation >15' To 20', Add	4.38	
26 05 33 13-0075 EA 3/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	32.11	10.85
For Work In Restricted Working Space, Add	8.17	
For Elevated Installation >15' To 20', Add	5.45	
26 05 33 13-0076 EA 1" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	40.71	13.32
For Work In Restricted Working Space, Add	9.96	
For Elevated Installation >15' To 20', Add	6.64	
26 05 33 13-0077 EA 1-1/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	51.41	15.43
For Work In Restricted Working Space, Add	11.57	
For Elevated Installation >15' To 20', Add	7.71	
26 05 33 13-0078 EA 1-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	59.58	17.73
For Work In Restricted Working Space, Add	13.28	
For Elevated Installation >15' To 20', Add	8.85	
26 05 33 13-0079 EA 2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	69.73	19.49
For Work In Restricted Working Space, Add	14.61	
For Elevated Installation >15' To 20', Add	9.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0080 EA 2-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	98.37 18.26 12.17	24.35
26 05 33 13-0081 EA 3" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	138.75 24.88 16.58	33.17
26 05 33 13-0082 EA 3-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	180.81 28.06 18.71	37.40
26 05 33 13-0083 EA 4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	222.30 36.52 24.34	48.70
26 05 33 13-0084 EA 5" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	363.55 59.55 39.70	79.41
26 05 33 13-0085 EA 6" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	546.51 89.45 59.63	119.27
26 05 33 13-0086 Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <small>(26 05 33 13-0059)</small> See CSI section 26 05 33 13-2224 for conduit field bending.		
26 05 33 13-0087 EA 1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	25.61 6.57 4.38	8.73
26 05 33 13-0088 EA 3/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	32.11 8.17 5.45	10.85
26 05 33 13-0089 EA 1" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	40.71 9.96 6.64	13.32
26 05 33 13-0090 EA 1-1/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	51.41 11.57 7.71	15.43
26 05 33 13-0091 EA 1-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	59.58 13.28 8.85	17.73
26 05 33 13-0092 EA 2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	69.73 14.61 9.74	19.49
26 05 33 13-0093 EA 2-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	96.85 18.26 12.17	24.35
26 05 33 13-0094 EA 3" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	132.82 24.88 16.58	33.17
26 05 33 13-0095 EA 3-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	172.47 28.06 18.71	37.40
26 05 33 13-0096 EA 4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	211.21 36.52 24.34	48.70
26 05 33 13-0097 EA 5" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	363.55 59.55 39.70	79.41
26 05 33 13-0098 EA 6" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	546.51 89.45 59.63	119.27
26 05 33 13-0099 Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <small>(26 05 33 13-0059)</small> See CSI section 26 05 33 13-2224 for conduit field bending.		
26 05 33 13-0100 EA 1" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	61.46 13.08 8.72	21.79
26 05 33 13-0101 EA 1-1/4" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	70.86 15.14 10.09	25.24
26 05 33 13-0102 EA 1-1/2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	81.79 17.21 11.47	28.67
26 05 33 13-0103 EA 2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	91.88 18.92 12.62	31.54
26 05 33 13-0104 Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <small>(26 05 33 13-0059)</small> See CSI section 26 05 33 13-2224 for conduit field bending.		
26 05 33 13-0105 EA 1" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	66.10 13.08 8.72	21.79
26 05 33 13-0106 EA 1-1/4" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	76.82 15.14 10.09	25.24

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0107 EA 1-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	84.51 17.21 11.47	28.67
26 05 33 13-0108 EA 2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	94.91 18.92 12.62	31.54
26 05 33 13-0109 EA 2-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	125.32 23.74 15.83	39.57
26 05 33 13-0110 EA 3" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	168.90 32.34 21.56	53.91
26 05 33 13-0111 Rigid Galvanized Steel (RGS) 18" Large Radius Elbow (26 05 33 13-0059) See CSI section 26 05 33 13-2224 for conduit field bending.		
26 05 33 13-0112 EA 1" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	66.32 13.08 8.72	21.79
26 05 33 13-0113 EA 1-1/4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	76.23 15.14 10.09	25.24
26 05 33 13-0114 EA 1-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	87.44 17.21 11.47	28.67
26 05 33 13-0115 EA 2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	101.48 18.92 12.62	31.54
26 05 33 13-0116 EA 2-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	131.44 23.74 15.83	39.57
26 05 33 13-0117 EA 3" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	173.84 32.34 21.56	53.91
26 05 33 13-0118 EA 3-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	214.90 36.47 24.31	60.78
26 05 33 13-0119 EA 4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	262.55 47.48 31.65	79.13
26 05 33 13-0120 Rigid Galvanized Steel (RGS) 24" Large Radius Elbow (26 05 33 13-0059) See CSI section 26 05 33 13-2224 for conduit field bending.		
26 05 33 13-0121 EA 1" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	73.71 13.08 8.72	21.79
26 05 33 13-0122 EA 1-1/4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	83.48 15.14 10.09	25.24
26 05 33 13-0123 EA 1-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	92.87 17.21 11.47	28.67
26 05 33 13-0124 EA 2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	109.48 18.92 12.62	31.54
26 05 33 13-0125 EA 2-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	142.36 23.74 15.83	39.57
26 05 33 13-0126 EA 3" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	190.96 32.34 21.56	53.91
26 05 33 13-0127 EA 3-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	231.54 36.47 24.31	60.78
26 05 33 13-0128 EA 4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	275.82 47.48 31.65	79.13
26 05 33 13-0129 Rigid Galvanized Steel (RGS) 30" Large Radius Elbow (26 05 33 13-0059) See CSI section 26 05 33 13-2224 for conduit field bending.		
26 05 33 13-0130 EA 1" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	73.26 13.08 8.72	21.79
26 05 33 13-0131 EA 1-1/4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	88.88 15.14 10.09	25.24
26 05 33 13-0132 EA 1-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	98.71 17.21 11.47	28.67
26 05 33 13-0133 EA 2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	117.11 18.92 12.62	31.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0134 EA 2-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	152.84 23.74 15.83	39.57
26 05 33 13-0135 EA 3" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	204.47 32.34 21.56	53.91
26 05 33 13-0136 EA 3-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	248.00 36.47 24.31	60.78
26 05 33 13-0137 EA 4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	300.17 47.48 31.65	79.13
26 05 33 13-0138 EA 5" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	440.32 77.42 51.61	129.02
26 05 33 13-0139 Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <small>(26 05 33 13-0059)</small> See CSI section 26 05 33 13-2224 for conduit field bending.		
26 05 33 13-0140 EA 1" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	77.21 13.08 8.72	21.79
26 05 33 13-0141 EA 1-1/4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	91.53 15.14 10.09	25.24
26 05 33 13-0142 EA 1-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	108.94 17.21 11.47	28.67
26 05 33 13-0143 EA 2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	123.07 18.92 12.62	31.54
26 05 33 13-0144 EA 2-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	165.26 23.74 15.83	39.57
26 05 33 13-0145 EA 3" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	216.03 32.34 21.56	53.91
26 05 33 13-0146 EA 3-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	269.24 36.47 24.31	60.78
26 05 33 13-0147 EA 4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	311.63 47.48 31.65	79.13
26 05 33 13-0148 EA 5" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	533.79 77.42 51.61	129.02
26 05 33 13-0149 EA 6" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	690.59 116.30 77.53	193.83
26 05 33 13-0150 Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <small>(26 05 33 13-0059)</small> See CSI section 26 05 33 13-2224 for conduit field bending.		
26 05 33 13-0151 EA 1" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	82.99 13.08 8.72	21.79
26 05 33 13-0152 EA 1-1/4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	98.59 15.14 10.09	25.24
26 05 33 13-0153 EA 1-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	116.45 17.21 11.47	28.67
26 05 33 13-0154 EA 2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	130.92 18.92 12.62	31.54
26 05 33 13-0155 EA 2-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	174.76 23.74 15.83	39.57
26 05 33 13-0156 EA 3" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	232.97 32.34 21.56	53.91
26 05 33 13-0157 EA 3-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	286.23 36.47 24.31	60.78
26 05 33 13-0158 EA 4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	360.51 47.48 31.65	79.13
26 05 33 13-0159 EA 5" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	601.22 77.42 51.61	129.02
26 05 33 13-0160 EA 6" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	748.97 116.30 77.53	193.83

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0161			Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <small>(26 05 33 13-0059)</small> See CSI section 26 05 33 13-2224 for conduit field bending.		
26 05 33 13-0162	EA		1" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	87.80 13.08 8.72	21.79
26 05 33 13-0163	EA		1-1/4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	104.03 15.14 10.09	25.24
26 05 33 13-0164	EA		1-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	121.19 17.21 11.47	28.67
26 05 33 13-0165	EA		2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	145.58 18.92 12.62	31.54
26 05 33 13-0166	EA		2-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	192.29 23.74 15.83	39.57
26 05 33 13-0167	EA		3" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	250.04 32.34 21.56	53.91
26 05 33 13-0168	EA		3-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	307.59 36.47 24.31	60.78
26 05 33 13-0169	EA		4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	386.45 47.48 31.65	79.13
26 05 33 13-0170	EA		5" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	622.34 77.42 51.61	129.02
26 05 33 13-0171	EA		6" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	760.79 116.30 77.53	193.83
26 05 33 13-0172			Rigid Galvanized Steel (RGS) Plastic Insulating Bushing <small>(26 05 33 13-0059)</small>		
26 05 33 13-0173	EA		1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.50 3.37 2.25 3.37	5.62
26 05 33 13-0174	EA		3/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.34 3.60 2.40 3.60	6.00
26 05 33 13-0175	EA		1" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.02 4.05 2.70 4.05	6.74
26 05 33 13-0176	EA		1-1/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.75 4.50 3.00 4.50	7.50
26 05 33 13-0177	EA		1-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.78 5.63 3.75 5.63	9.37
26 05 33 13-0178	EA		2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.42 6.75 4.50 6.75	11.24
26 05 33 13-0179	EA		2-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.49 7.88 5.25 7.88	13.12
26 05 33 13-0180	EA		3" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.47 9.00 6.00 9.00	14.99
26 05 33 13-0181	EA		3-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.94 10.12 6.75 10.12	14.11
26 05 33 13-0182	EA		4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.32 11.25 7.50 11.25	18.75
26 05 33 13-0183	EA		5" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.89 12.37 8.25 12.37	20.63
26 05 33 13-0184	EA		6" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.49 13.50 9.00 13.50	22.50



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0185 Rigid Galvanized Steel (RGS) Steel Bushing <small>(26 05 33 13-0059)</small>		
26 05 33 13-0186 EA 1/2" Rigid Galvanized Steel (RGS) Steel Bushing	13.88	6.61
For Work In Restricted Working Space, Add	3.97	
For Elevated Installation >15' To 20', Add	2.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.97	
26 05 33 13-0187 EA 3/4" Rigid Galvanized Steel (RGS) Steel Bushing	15.06	7.06
For Work In Restricted Working Space, Add	4.23	
For Elevated Installation >15' To 20', Add	2.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.23	
26 05 33 13-0188 EA 1" Rigid Galvanized Steel (RGS) Steel Bushing	17.53	7.94
For Work In Restricted Working Space, Add	4.77	
For Elevated Installation >15' To 20', Add	3.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.77	
26 05 33 13-0189 EA 1-1/4" Rigid Galvanized Steel (RGS) Steel Bushing	19.68	8.82
For Work In Restricted Working Space, Add	5.30	
For Elevated Installation >15' To 20', Add	3.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.30	
26 05 33 13-0190 EA 1-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	25.06	11.02
For Work In Restricted Working Space, Add	6.62	
For Elevated Installation >15' To 20', Add	4.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.62	
26 05 33 13-0191 EA 2" Rigid Galvanized Steel (RGS) Steel Bushing	29.70	13.23
For Work In Restricted Working Space, Add	7.94	
For Elevated Installation >15' To 20', Add	5.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.94	
26 05 33 13-0192 EA 2-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	41.02	15.43
For Work In Restricted Working Space, Add	9.26	
For Elevated Installation >15' To 20', Add	6.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.26	
26 05 33 13-0193 EA 3" Rigid Galvanized Steel (RGS) Steel Bushing	48.60	17.65
For Work In Restricted Working Space, Add	10.59	
For Elevated Installation >15' To 20', Add	7.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.59	
26 05 33 13-0194 EA 3-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	70.78	19.85
For Work In Restricted Working Space, Add	11.91	
For Elevated Installation >15' To 20', Add	7.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.91	
26 05 33 13-0195 EA 4" Rigid Galvanized Steel (RGS) Steel Bushing	94.51	22.06
For Work In Restricted Working Space, Add	13.23	
For Elevated Installation >15' To 20', Add	8.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.23	
26 05 33 13-0196 EA 5" Rigid Galvanized Steel (RGS) Steel Bushing	124.98	24.26
For Work In Restricted Working Space, Add	14.56	
For Elevated Installation >15' To 20', Add	9.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.56	
26 05 33 13-0197 EA 6" Rigid Galvanized Steel (RGS) Steel Bushing	181.97	26.47
For Work In Restricted Working Space, Add	15.88	
For Elevated Installation >15' To 20', Add	10.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.88	
26 05 33 13-0198 Rigid Galvanized Steel (RGS) Steel Insulated Bushing <small>(26 05 33 13-0059)</small>		
26 05 33 13-0199 EA 1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	14.64	6.61
For Work In Restricted Working Space, Add	3.97	
For Elevated Installation >15' To 20', Add	2.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.97	
26 05 33 13-0200 EA 3/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	16.21	7.06
For Work In Restricted Working Space, Add	4.23	
For Elevated Installation >15' To 20', Add	2.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.23	
26 05 33 13-0201 EA 1" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	18.98	7.94
For Work In Restricted Working Space, Add	4.77	
For Elevated Installation >15' To 20', Add	3.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.77	
26 05 33 13-0202 EA 1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	22.13	8.82
For Work In Restricted Working Space, Add	5.30	
For Elevated Installation >15' To 20', Add	3.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.30	
26 05 33 13-0203 EA 1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	27.61	11.02
For Work In Restricted Working Space, Add	6.62	
For Elevated Installation >15' To 20', Add	4.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.62	
26 05 33 13-0204 EA 2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	34.23	13.23
For Work In Restricted Working Space, Add	7.94	
For Elevated Installation >15' To 20', Add	5.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.94	
26 05 33 13-0205 EA 2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	47.16	15.43
For Work In Restricted Working Space, Add	9.26	
For Elevated Installation >15' To 20', Add	6.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.26	
26 05 33 13-0206 EA 3" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	55.79	17.65
For Work In Restricted Working Space, Add	10.59	
For Elevated Installation >15' To 20', Add	7.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.59	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0207	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	72.12	19.85
			<i>For Work In Restricted Working Space, Add</i>	11.91	
			<i>For Elevated Installation >15' To 20', Add</i>	7.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.91	
26 05 33	13-0208	EA	4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	100.51	22.06
			<i>For Work In Restricted Working Space, Add</i>	13.23	
			<i>For Elevated Installation >15' To 20', Add</i>	8.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.23	
26 05 33	13-0209	EA	5" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	131.51	24.26
			<i>For Work In Restricted Working Space, Add</i>	14.56	
			<i>For Elevated Installation >15' To 20', Add</i>	9.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.56	
26 05 33	13-0210	EA	6" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	184.27	26.47
			<i>For Work In Restricted Working Space, Add</i>	15.88	
			<i>For Elevated Installation >15' To 20', Add</i>	10.59	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.88	
26 05 33	13-0211		Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing (26 05 33 13-0059)		
26 05 33	13-0212	EA	1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	21.58	7.94
			<i>For Work In Restricted Working Space, Add</i>	4.77	
			<i>For Elevated Installation >15' To 20', Add</i>	3.18	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.77	
26 05 33	13-0213	EA	3/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	24.15	8.82
			<i>For Work In Restricted Working Space, Add</i>	5.30	
			<i>For Elevated Installation >15' To 20', Add</i>	3.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.30	
26 05 33	13-0214	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	27.52	9.70
			<i>For Work In Restricted Working Space, Add</i>	5.82	
			<i>For Elevated Installation >15' To 20', Add</i>	3.88	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.82	
26 05 33	13-0215	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	32.55	11.02
			<i>For Work In Restricted Working Space, Add</i>	6.62	
			<i>For Elevated Installation >15' To 20', Add</i>	4.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.62	
26 05 33	13-0216	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	39.46	13.67
			<i>For Work In Restricted Working Space, Add</i>	8.21	
			<i>For Elevated Installation >15' To 20', Add</i>	5.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.21	
26 05 33	13-0217	EA	2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	49.46	16.33
			<i>For Work In Restricted Working Space, Add</i>	9.79	
			<i>For Elevated Installation >15' To 20', Add</i>	6.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.79	
26 05 33	13-0218	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	65.41	18.97
			<i>For Work In Restricted Working Space, Add</i>	11.38	
			<i>For Elevated Installation >15' To 20', Add</i>	7.59	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.38	
26 05 33	13-0219	EA	3" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	72.46	22.06
			<i>For Work In Restricted Working Space, Add</i>	13.23	
			<i>For Elevated Installation >15' To 20', Add</i>	8.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.23	
26 05 33	13-0220	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	81.87	24.70
			<i>For Work In Restricted Working Space, Add</i>	14.82	
			<i>For Elevated Installation >15' To 20', Add</i>	9.88	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.82	
26 05 33	13-0221	EA	4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	104.39	27.35
			<i>For Work In Restricted Working Space, Add</i>	16.41	
			<i>For Elevated Installation >15' To 20', Add</i>	10.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.41	
26 05 33	13-0222	EA	5" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	145.53	30.00
			<i>For Work In Restricted Working Space, Add</i>	18.00	
			<i>For Elevated Installation >15' To 20', Add</i>	12.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.00	
26 05 33	13-0223	EA	6" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	198.02	33.08
			<i>For Work In Restricted Working Space, Add</i>	19.85	
			<i>For Elevated Installation >15' To 20', Add</i>	13.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.85	
26 05 33	13-0224		Rigid Galvanized Steel (RGS) Box Connectors With Set Screw (26 05 33 13-0059)		
26 05 33	13-0225	EA	1/2" Rigid Galvanized Steel (RGS) Box Connector With Set Screw.....	12.65	4.06
			<i>For Work In Restricted Working Space, Add</i>	3.02	
			<i>For Elevated Installation >15' To 20', Add</i>	2.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.02	
26 05 33	13-0226	EA	3/4" Rigid Galvanized Steel (RGS) Box Connector With Set Screw.....	15.24	4.68
			<i>For Work In Restricted Working Space, Add</i>	3.50	
			<i>For Elevated Installation >15' To 20', Add</i>	2.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.50	
26 05 33	13-0227	EA	1" Rigid Galvanized Steel (RGS) Box Connector With Set Screw.....	19.76	5.64
			<i>For Work In Restricted Working Space, Add</i>	4.22	
			<i>For Elevated Installation >15' To 20', Add</i>	2.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0228 EA 1-1/4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	28.68	6.97
For Work In Restricted Working Space, Add	5.24	
For Elevated Installation >15' To 20', Add	3.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.24	
26 05 33 13-0229 EA 1-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	38.78	9.35
For Work In Restricted Working Space, Add	7.02	
For Elevated Installation >15' To 20', Add	4.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.02	
26 05 33 13-0230 EA 2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	65.21	14.03
For Work In Restricted Working Space, Add	10.52	
For Elevated Installation >15' To 20', Add	7.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.52	
26 05 33 13-0231 EA 2-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	113.46	15.52
For Work In Restricted Working Space, Add	11.65	
For Elevated Installation >15' To 20', Add	7.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.65	
26 05 33 13-0232 EA 3" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	135.35	18.79
For Work In Restricted Working Space, Add	14.10	
For Elevated Installation >15' To 20', Add	9.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.10	
26 05 33 13-0233 EA 3-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	182.24	23.55
For Work In Restricted Working Space, Add	17.66	
For Elevated Installation >15' To 20', Add	11.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.66	
26 05 33 13-0234 EA 4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	213.76	28.23
For Work In Restricted Working Space, Add	21.17	
For Elevated Installation >15' To 20', Add	14.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.17	
26 05 33 13-0235 EA 5" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	367.83	31.41
For Work In Restricted Working Space, Add	23.53	
For Elevated Installation >15' To 20', Add	15.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.53	
26 05 33 13-0236 EA 6" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	438.53	35.29
For Work In Restricted Working Space, Add	26.46	
For Elevated Installation >15' To 20', Add	17.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.46	
26 05 33 13-0237 Rigid Galvanized Steel (RGS) Nipples <small>(26 05 33 13-0059)</small>		
26 05 33 13-0238 EA 1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	12.33	5.73
For Work In Restricted Working Space, Add	3.44	
For Elevated Installation >15' To 20', Add	2.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.44	
26 05 33 13-0239 EA 3/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	14.19	6.61
For Work In Restricted Working Space, Add	3.97	
For Elevated Installation >15' To 20', Add	2.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.97	
26 05 33 13-0240 EA 1" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	18.11	8.38
For Work In Restricted Working Space, Add	5.03	
For Elevated Installation >15' To 20', Add	3.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.03	
26 05 33 13-0241 EA 1-1/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	21.11	9.70
For Work In Restricted Working Space, Add	5.82	
For Elevated Installation >15' To 20', Add	3.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.82	
26 05 33 13-0242 EA 1-1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	24.09	11.02
For Work In Restricted Working Space, Add	6.62	
For Elevated Installation >15' To 20', Add	4.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.62	
26 05 33 13-0243 EA 1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	12.40	5.73
For Work In Restricted Working Space, Add	3.44	
For Elevated Installation >15' To 20', Add	2.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.44	
26 05 33 13-0244 EA 3/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	14.30	6.61
For Work In Restricted Working Space, Add	3.97	
For Elevated Installation >15' To 20', Add	2.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.97	
26 05 33 13-0245 EA 1" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	18.22	8.38
For Work In Restricted Working Space, Add	5.03	
For Elevated Installation >15' To 20', Add	3.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.03	
26 05 33 13-0246 EA 1-1/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	21.28	9.70
For Work In Restricted Working Space, Add	5.82	
For Elevated Installation >15' To 20', Add	3.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.82	
26 05 33 13-0247 EA 1-1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	24.35	11.02
For Work In Restricted Working Space, Add	6.62	
For Elevated Installation >15' To 20', Add	4.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.62	
26 05 33 13-0248 EA 2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	27.47	12.35
For Work In Restricted Working Space, Add	7.41	
For Elevated Installation >15' To 20', Add	4.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.41	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0249	EA	1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.47 3.44 2.29 3.44	5.73
26 05 33	13-0250	EA	3/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.40 3.97 2.65 3.97	6.61
26 05 33	13-0251	EA	1" x 3" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.39 5.03 3.35 5.03	8.38
26 05 33	13-0252	EA	1-1/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.42 5.82 3.88 5.82	9.70
26 05 33	13-0253	EA	1-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.53 6.62 4.41 6.62	11.02
26 05 33	13-0254	EA	2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.90 7.41 4.94 7.41	12.35
26 05 33	13-0255	EA	2-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.61 9.00 6.00 9.00	14.99
26 05 33	13-0256	EA	3" x 3" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.58 12.44 8.29 12.44	20.74
26 05 33	13-0257	EA	1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.57 3.44 2.29 3.44	5.73
26 05 33	13-0258	EA	3/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.45 3.97 2.65 3.97	6.61
26 05 33	13-0259	EA	1" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.61 5.03 3.35 5.03	8.38
26 05 33	13-0260	EA	1-1/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.70 5.82 3.88 5.82	9.70
26 05 33	13-0261	EA	1-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.89 6.62 4.41 6.62	11.02
26 05 33	13-0262	EA	2" x 3-1/2" Long, Rigid Galvanized Steel (RGS), Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.34 7.41 4.94 7.41	12.35
26 05 33	13-0263	EA	2-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.81 9.00 6.00 9.00	14.99
26 05 33	13-0264	EA	3" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.62 12.44 8.29 12.44	20.74
26 05 33	13-0265	EA	1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.66 3.44 2.29 3.44	5.73
26 05 33	13-0266	EA	3/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.62 3.97 2.65 3.97	6.61
26 05 33	13-0267	EA	1" x 4" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.74 5.03 3.35 5.03	8.38
26 05 33	13-0268	EA	1-1/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.83 5.82 3.88 5.82	9.70
26 05 33	13-0269	EA	1-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.14 6.62 4.41 6.62	11.02



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0270 EA 2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	28.72	12.35
<i>For Work In Restricted Working Space, Add</i>	7.41	
<i>For Elevated Installation >15' To 20', Add</i>	4.94	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.41	
26 05 33 13-0271 EA 2-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	38.18	14.99
<i>For Work In Restricted Working Space, Add</i>	9.00	
<i>For Elevated Installation >15' To 20', Add</i>	6.00	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.00	
26 05 33 13-0272 EA 3" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	51.39	20.74
<i>For Work In Restricted Working Space, Add</i>	12.44	
<i>For Elevated Installation >15' To 20', Add</i>	8.29	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.44	
26 05 33 13-0273 EA 3-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	58.84	23.38
<i>For Work In Restricted Working Space, Add</i>	14.03	
<i>For Elevated Installation >15' To 20', Add</i>	9.35	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	
26 05 33 13-0274 EA 4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	74.45	30.44
<i>For Work In Restricted Working Space, Add</i>	18.26	
<i>For Elevated Installation >15' To 20', Add</i>	12.17	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.26	
26 05 33 13-0275 EA 1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	12.80	5.73
<i>For Work In Restricted Working Space, Add</i>	3.44	
<i>For Elevated Installation >15' To 20', Add</i>	2.29	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.44	
26 05 33 13-0276 EA 3/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	14.82	6.61
<i>For Work In Restricted Working Space, Add</i>	3.97	
<i>For Elevated Installation >15' To 20', Add</i>	2.65	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.97	
26 05 33 13-0277 EA 1" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	19.01	8.38
<i>For Work In Restricted Working Space, Add</i>	5.03	
<i>For Elevated Installation >15' To 20', Add</i>	3.35	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03	
26 05 33 13-0278 EA 1-1/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	22.22	9.70
<i>For Work In Restricted Working Space, Add</i>	5.82	
<i>For Elevated Installation >15' To 20', Add</i>	3.88	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.82	
26 05 33 13-0279 EA 1-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	25.52	11.02
<i>For Work In Restricted Working Space, Add</i>	6.62	
<i>For Elevated Installation >15' To 20', Add</i>	4.41	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.62	
26 05 33 13-0280 EA 2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	29.39	12.35
<i>For Work In Restricted Working Space, Add</i>	7.41	
<i>For Elevated Installation >15' To 20', Add</i>	4.94	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.41	
26 05 33 13-0281 EA 2-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	39.67	14.99
<i>For Work In Restricted Working Space, Add</i>	9.00	
<i>For Elevated Installation >15' To 20', Add</i>	6.00	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.00	
26 05 33 13-0282 EA 3" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	53.01	20.74
<i>For Work In Restricted Working Space, Add</i>	12.44	
<i>For Elevated Installation >15' To 20', Add</i>	8.29	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.44	
26 05 33 13-0283 EA 3-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	60.45	23.38
<i>For Work In Restricted Working Space, Add</i>	14.03	
<i>For Elevated Installation >15' To 20', Add</i>	9.35	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	
26 05 33 13-0284 EA 4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	76.79	30.44
<i>For Work In Restricted Working Space, Add</i>	18.26	
<i>For Elevated Installation >15' To 20', Add</i>	12.17	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.26	
26 05 33 13-0285 EA 5" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	114.70	41.90
<i>For Work In Restricted Working Space, Add</i>	25.14	
<i>For Elevated Installation >15' To 20', Add</i>	16.76	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.14	
26 05 33 13-0286 EA 6" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	146.04	53.73
<i>For Work In Restricted Working Space, Add</i>	32.26	
<i>For Elevated Installation >15' To 20', Add</i>	21.51	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.26	
26 05 33 13-0287 EA 1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	13.06	5.73
<i>For Work In Restricted Working Space, Add</i>	3.44	
<i>For Elevated Installation >15' To 20', Add</i>	2.29	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.44	
26 05 33 13-0288 EA 3/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	15.09	6.61
<i>For Work In Restricted Working Space, Add</i>	3.97	
<i>For Elevated Installation >15' To 20', Add</i>	2.65	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.97	
26 05 33 13-0289 EA 1" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	19.22	8.38
<i>For Work In Restricted Working Space, Add</i>	5.03	
<i>For Elevated Installation >15' To 20', Add</i>	3.35	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03	
26 05 33 13-0290 EA 1-1/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	22.57	9.70
<i>For Work In Restricted Working Space, Add</i>	5.82	
<i>For Elevated Installation >15' To 20', Add</i>	3.88	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.82	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0291	EA	1-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.31 6.62 4.41 6.62	11.02
26 05 33	13-0292	EA	2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.07 7.41 4.94 7.41	12.35
26 05 33	13-0293	EA	2-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.97 9.00 6.00 9.00	14.99
26 05 33	13-0294	EA	3" x 6" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.65 12.44 8.29 12.44	20.74
26 05 33	13-0295	EA	3-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.40 14.03 9.35 14.03	23.38
26 05 33	13-0296	EA	4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.65 18.26 12.17 18.26	30.44
26 05 33	13-0297	EA	5" x 6" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.42 25.14 16.76 25.14	41.90
26 05 33	13-0298	EA	6" x 6" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	150.02 32.26 21.51 32.26	53.73
26 05 33	13-0299	EA	1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.00 3.44 2.29 3.44	5.73
26 05 33	13-0300	EA	3/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.29 3.97 2.65 3.97	6.61
26 05 33	13-0301	EA	1" x 8" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.64 5.03 3.35 5.03	8.38
26 05 33	13-0302	EA	1-1/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.59 5.82 3.88 5.82	9.70
26 05 33	13-0303	EA	1-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.57 6.62 4.41 6.62	11.02
26 05 33	13-0304	EA	2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.44 7.41 4.94 7.41	12.35
26 05 33	13-0305	EA	2-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.43 9.00 6.00 9.00	14.99
26 05 33	13-0306	EA	3" x 8" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.62 12.44 8.29 12.44	20.74
26 05 33	13-0307	EA	3-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.36 14.03 9.35 14.03	23.38
26 05 33	13-0308	EA	4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.02 18.26 12.17 18.26	30.44
26 05 33	13-0309	EA	5" x 8" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.73 25.14 16.76 25.14	41.90
26 05 33	13-0310	EA	6" x 8" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	157.11 32.26 21.51 32.26	53.73
26 05 33	13-0311	EA	1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.64 3.44 2.29 3.44	5.73



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0312 EA 3/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.91 3.97 2.65 3.97	6.61
26 05 33 13-0313 EA 1" x 10" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.77 5.03 3.35 5.03	8.38
26 05 33 13-0314 EA 1-1/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.94 5.82 3.88 5.82	9.70
26 05 33 13-0315 EA 1-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.89 6.62 4.41 6.62	11.02
26 05 33 13-0316 EA 2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.97 7.41 4.94 7.41	12.35
26 05 33 13-0317 EA 2-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.76 9.00 6.00 9.00	14.99
26 05 33 13-0318 EA 3" x 10" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.74 12.44 8.29 12.44	20.74
26 05 33 13-0319 EA 3-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.48 14.03 9.35 14.03	23.38
26 05 33 13-0320 EA 4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.23 18.26 12.17 18.26	30.44
26 05 33 13-0321 EA 5" x 10" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	130.62 25.14 16.76 25.14	41.90
26 05 33 13-0322 EA 6" x 10" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	169.50 32.26 21.51 32.26	53.73
26 05 33 13-0323 EA 1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.12 3.44 2.29 3.44	5.73
26 05 33 13-0324 EA 3/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.36 3.97 2.65 3.97	6.61
26 05 33 13-0325 EA 1" x 12" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.45 5.03 3.35 5.03	8.38
26 05 33 13-0326 EA 1-1/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.01 5.82 3.88 5.82	9.70
26 05 33 13-0327 EA 1-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.55 6.62 4.41 6.62	11.02
26 05 33 13-0328 EA 2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.26 7.41 4.94 7.41	12.35
26 05 33 13-0329 EA 2-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.49 9.00 6.00 9.00	14.99
26 05 33 13-0330 EA 3" x 12" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.09 12.44 8.29 12.44	20.74
26 05 33 13-0331 EA 3-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.48 14.03 9.35 14.03	23.38
26 05 33 13-0332 EA 4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.45 18.26 12.17 18.26	30.44

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0333	EA	5" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	140.51	41.90
			<i>For Work In Restricted Working Space, Add</i>	25.14	
			<i>For Elevated Installation >15' To 20', Add</i>	16.76	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.14	
26 05 33	13-0334	EA	6" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	176.38	53.73
			<i>For Work In Restricted Working Space, Add</i>	32.26	
			<i>For Elevated Installation >15' To 20', Add</i>	21.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.26	
26 05 33	13-0335		Rigid Galvanized Steel (RGS) Off-Set Nipples <small>(26 05 33 13-0059)</small>		
26 05 33	13-0336	EA	1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple.....	12.94	4.59
			<i>For Work In Restricted Working Space, Add</i>	3.47	
			<i>For Elevated Installation >15' To 20', Add</i>	2.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.47	
26 05 33	13-0337	EA	3/4" Rigid Galvanized Steel (RGS) Off-Set Nipple.....	15.26	5.29
			<i>For Work In Restricted Working Space, Add</i>	3.95	
			<i>For Elevated Installation >15' To 20', Add</i>	2.63	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 05 33	13-0338	EA	1" Rigid Galvanized Steel (RGS) Off-Set Nipple.....	19.23	6.70
			<i>For Work In Restricted Working Space, Add</i>	5.05	
			<i>For Elevated Installation >15' To 20', Add</i>	3.37	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.05	
26 05 33	13-0339	EA	1-1/4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	24.05	8.03
			<i>For Work In Restricted Working Space, Add</i>	6.05	
			<i>For Elevated Installation >15' To 20', Add</i>	4.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.05	
26 05 33	13-0340	EA	1-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	26.33	8.82
			<i>For Work In Restricted Working Space, Add</i>	6.62	
			<i>For Elevated Installation >15' To 20', Add</i>	4.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.62	
26 05 33	13-0341	EA	2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	33.95	10.85
			<i>For Work In Restricted Working Space, Add</i>	8.16	
			<i>For Elevated Installation >15' To 20', Add</i>	5.44	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.16	
26 05 33	13-0342	EA	2-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	55.38	17.65
			<i>For Work In Restricted Working Space, Add</i>	13.23	
			<i>For Elevated Installation >15' To 20', Add</i>	8.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.23	
26 05 33	13-0343	EA	3" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	86.47	24.35
			<i>For Work In Restricted Working Space, Add</i>	18.26	
			<i>For Elevated Installation >15' To 20', Add</i>	12.17	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.26	
26 05 33	13-0344	EA	3-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	106.08	28.76
			<i>For Work In Restricted Working Space, Add</i>	21.45	
			<i>For Elevated Installation >15' To 20', Add</i>	14.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.45	
26 05 33	13-0345	EA	4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	126.43	33.17
			<i>For Work In Restricted Working Space, Add</i>	24.88	
			<i>For Elevated Installation >15' To 20', Add</i>	16.59	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.88	
26 05 33	13-0346		Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling <small>(26 05 33 13-0059)</small>		
			Note: Erickson fittings.		
26 05 33	13-0347	EA	1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	37.11	14.11
			<i>For Work In Restricted Working Space, Add</i>	10.60	
			<i>For Elevated Installation >15' To 20', Add</i>	7.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.60	
26 05 33	13-0348	EA	3/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	41.71	15.79
			<i>For Work In Restricted Working Space, Add</i>	11.83	
			<i>For Elevated Installation >15' To 20', Add</i>	7.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.83	
26 05 33	13-0349	EA	1" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	48.14	17.56
			<i>For Work In Restricted Working Space, Add</i>	13.18	
			<i>For Elevated Installation >15' To 20', Add</i>	8.79	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.18	
26 05 33	13-0350	EA	1-1/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	57.04	19.23
			<i>For Work In Restricted Working Space, Add</i>	14.42	
			<i>For Elevated Installation >15' To 20', Add</i>	9.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.42	
26 05 33	13-0351	EA	1-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	63.34	21.00
			<i>For Work In Restricted Working Space, Add</i>	15.78	
			<i>For Elevated Installation >15' To 20', Add</i>	10.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.78	
26 05 33	13-0352	EA	2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	78.49	22.76
			<i>For Work In Restricted Working Space, Add</i>	17.09	
			<i>For Elevated Installation >15' To 20', Add</i>	11.39	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.09	
26 05 33	13-0353	EA	2-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	120.47	28.23
			<i>For Work In Restricted Working Space, Add</i>	21.17	
			<i>For Elevated Installation >15' To 20', Add</i>	14.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0354 EA 3" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	163.94	35.29
For Work In Restricted Working Space, Add	26.47	
For Elevated Installation >15' To 20', Add	17.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.47	
26 05 33 13-0355 EA 3-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	232.02	42.34
For Work In Restricted Working Space, Add	31.77	
For Elevated Installation >15' To 20', Add	21.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.77	
26 05 33 13-0356 EA 4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	262.98	45.87
For Work In Restricted Working Space, Add	34.40	
For Elevated Installation >15' To 20', Add	22.93	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.40	
26 05 33 13-0357 EA 5" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	445.53	56.46
For Work In Restricted Working Space, Add	42.34	
For Elevated Installation >15' To 20', Add	28.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.34	
26 05 33 13-0358 EA 6" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	568.91	65.28
For Work In Restricted Working Space, Add	48.96	
For Elevated Installation >15' To 20', Add	32.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.96	
26 05 33 13-0359 Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connectors <small>(26 05 33 13-0059)</small>		
26 05 33 13-0360 EA 1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	21.34	7.06
For Work In Restricted Working Space, Add	5.30	
For Elevated Installation >15' To 20', Add	3.53	
26 05 33 13-0361 EA 3/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	23.78	7.77
For Work In Restricted Working Space, Add	5.82	
For Elevated Installation >15' To 20', Add	3.88	
26 05 33 13-0362 EA 1" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	27.26	8.82
For Work In Restricted Working Space, Add	6.62	
For Elevated Installation >15' To 20', Add	4.41	
26 05 33 13-0363 EA 1-1/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	30.68	9.53
For Work In Restricted Working Space, Add	7.15	
For Elevated Installation >15' To 20', Add	4.76	
26 05 33 13-0364 EA 1-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	36.04	10.58
For Work In Restricted Working Space, Add	7.94	
For Elevated Installation >15' To 20', Add	5.29	
26 05 33 13-0365 EA 2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	43.26	11.65
For Work In Restricted Working Space, Add	8.73	
For Elevated Installation >15' To 20', Add	5.82	
26 05 33 13-0366 EA 2-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	57.97	14.11
For Work In Restricted Working Space, Add	10.59	
For Elevated Installation >15' To 20', Add	7.06	
26 05 33 13-0367 EA 3" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	71.78	17.65
For Work In Restricted Working Space, Add	13.23	
For Elevated Installation >15' To 20', Add	8.82	
26 05 33 13-0368 EA 3-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	86.22	21.18
For Work In Restricted Working Space, Add	15.88	
For Elevated Installation >15' To 20', Add	10.59	
26 05 33 13-0369 EA 4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	96.88	22.94
For Work In Restricted Working Space, Add	17.21	
For Elevated Installation >15' To 20', Add	11.47	
26 05 33 13-0370 Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <small>(26 05 33 13-0059)</small>		
26 05 33 13-0371 EA 1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	19.02	7.94
For Work In Restricted Working Space, Add	4.77	
For Elevated Installation >15' To 20', Add	3.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.77	
26 05 33 13-0372 EA 3/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	21.19	8.82
For Work In Restricted Working Space, Add	5.30	
For Elevated Installation >15' To 20', Add	3.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.30	
26 05 33 13-0373 EA 1" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	26.21	11.02
For Work In Restricted Working Space, Add	6.62	
For Elevated Installation >15' To 20', Add	4.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.62	
26 05 33 13-0374 EA 1-1/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	32.11	13.23
For Work In Restricted Working Space, Add	7.94	
For Elevated Installation >15' To 20', Add	5.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.94	
26 05 33 13-0375 EA 1-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	41.48	17.65
For Work In Restricted Working Space, Add	10.59	
For Elevated Installation >15' To 20', Add	7.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.59	
26 05 33 13-0376 EA 2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	47.98	19.85
For Work In Restricted Working Space, Add	11.91	
For Elevated Installation >15' To 20', Add	7.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.91	
26 05 33 13-0377 EA 2-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	58.16	22.06
For Work In Restricted Working Space, Add	13.23	
For Elevated Installation >15' To 20', Add	8.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.23	

26 Electrical
26 05 Common Work Results For Electrical
26 05 33 Raceway And Boxes For Electrical Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0378 EA 3" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.61 16.67 11.12 16.67	27.79
26 05 33 13-0379 EA 3-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.35 20.12 13.41 20.12	33.52
26 05 33 13-0380 EA 4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.76 23.82 15.88 23.82	39.70
26 05 33 13-0381 Rigid Galvanized Steel (RGS) Expansion Fittings, 4" Conduit Movement <small>(26 05 33 13-0059)</small> Note: Type AX		
26 05 33 13-0382 EA 1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	93.62 10.59 7.06	14.11
26 05 33 13-0383 EA 3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	106.27 11.91 7.94	15.89
26 05 33 13-0384 EA 1" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	126.02 13.24 8.82	17.65
26 05 33 13-0385 EA 1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	154.61 14.56 9.71	19.41
26 05 33 13-0386 EA 1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	194.70 15.88 10.59	21.18
26 05 33 13-0387 EA 2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	270.00 17.20 11.47	22.94
26 05 33 13-0388 EA 2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	414.35 21.17 14.12	28.23
26 05 33 13-0389 EA 3" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	530.98 26.47 17.64	35.29
26 05 33 13-0390 EA 3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	776.36 31.76 21.17	42.34
26 05 33 13-0391 EA 4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	827.49 34.40 22.93	45.87
26 05 33 13-0392 EA 5" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	1,269.29 42.35 28.23	56.46
26 05 33 13-0393 EA 6" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	1,560.12 47.01 31.34	62.64
26 05 33 13-0394 Rigid Galvanized Steel (RGS) Expansion Fittings, 8" Conduit Movement <small>(26 05 33 13-0059)</small> Note: Type AX-8		
26 05 33 13-0395 EA 1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	103.36 10.59 7.06	14.11
26 05 33 13-0396 EA 3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	114.91 11.91 7.94	15.89
26 05 33 13-0397 EA 1" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	139.57 13.24 8.82	17.65
26 05 33 13-0398 EA 1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	175.96 14.56 9.71	19.41
26 05 33 13-0399 EA 1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	237.12 15.88 10.59	21.18
26 05 33 13-0400 EA 2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	290.26 17.20 11.47	22.94
26 05 33 13-0401 EA 2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	545.74 21.17 14.12	28.23
26 05 33 13-0402 EA 3" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	620.70 26.47 17.64	35.29
26 05 33 13-0403 EA 3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	953.66 31.76 21.17	42.34



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0404 EA 4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	1,032.42 34.40 22.93	45.87
26 05 33 13-0405 EA 5" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	1,442.04 42.35 28.23	56.46
26 05 33 13-0406 EA 6" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	1,782.38 47.01 31.34	62.64
26 05 33 13-0407 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fittings, 8" Conduit Movement <small>(26 05 33 13-0059)</small>		
<i>Note: Type EX</i>		
26 05 33 13-0408 EA 1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	117.64 10.59 7.06	14.11
26 05 33 13-0409 EA 3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	148.55 11.91 7.94	15.89
26 05 33 13-0410 EA 1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	185.02 13.24 8.82	17.65
26 05 33 13-0411 EA 1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	225.17 14.56 9.71	19.41
26 05 33 13-0412 EA 1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	303.75 15.88 10.59	21.18
26 05 33 13-0413 EA 2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	419.03 17.20 11.47	22.94
26 05 33 13-0414 EA 2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	651.75 21.17 14.12	28.23
26 05 33 13-0415 EA 3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	878.81 26.47 17.64	35.29
26 05 33 13-0416 EA 3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	1,320.78 31.76 21.17	42.34
26 05 33 13-0417 EA 4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	1,366.81 34.40 22.93	45.87
26 05 33 13-0418 EA 5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	2,058.44 42.35 28.23	56.46
26 05 33 13-0419 EA 6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	2,552.68 47.01 31.34	62.64
26 05 33 13-0420 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fittings <small>(26 05 33 13-0059)</small>		
<i>Note: Type DX</i>		
26 05 33 13-0421 EA 1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	205.62 10.59 7.06	14.11
26 05 33 13-0422 EA 3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	245.05 11.91 7.94	15.89
26 05 33 13-0423 EA 1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	296.37 13.24 8.82	17.65
26 05 33 13-0424 EA 1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	348.55 14.56 9.71	19.41
26 05 33 13-0425 EA 1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	385.47 15.88 10.59	21.18
26 05 33 13-0426 EA 2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	476.73 17.20 11.47	22.94
26 05 33 13-0427 EA 2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	630.32 21.17 14.12	28.23
26 05 33 13-0428 EA 3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	799.42 26.47 17.64	35.29
26 05 33 13-0429 EA 3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	899.23 31.76 21.17	42.34

26 Electrical
26 05 Common Work Results For Electrical
26 05 33 Raceway And Boxes For Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0430	EA	4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	1,090.99 34.40 22.93	45.87
26 05 33	13-0431	EA	5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	1,868.23 42.35 28.23	56.46
26 05 33	13-0432	EA	6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	2,973.32 47.01 31.34	62.64
26 05 33 13-0433 Rigid Galvanized Steel (RGS) Conduit Bonding Jumpers (26 05 33 13-0059)					
26 05 33	13-0434	EA	1/2" To 3/4" Conduit, 14" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	52.77 5.30 3.53	7.06
26 05 33	13-0435	EA	1" To 1-1/4" Conduit, 14" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	60.72 6.62 4.41	8.82
26 05 33	13-0436	EA	1-1/2" To 2" Conduit, 14" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	74.89 7.94 5.29	10.58
26 05 33	13-0437	EA	2-1/2" To 3" Conduit, 14" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	105.26 10.59 7.06	14.11
26 05 33	13-0438	EA	3-1/2" To 4" Conduit, 14" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	159.50 15.88 10.59	21.18
26 05 33	13-0439	EA	5" To 6" Conduit, 14" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	273.04 21.17 14.12	28.23
26 05 33	13-0440	EA	1/2" To 3/4" Conduit, 24" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	58.78 5.30 3.53	7.06
26 05 33	13-0441	EA	1" To 1-1/4" Conduit, 24" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	68.32 6.62 4.41	8.82
26 05 33	13-0442	EA	1-1/2" To 2" Conduit, 24" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	81.85 7.94 5.29	10.58
26 05 33	13-0443	EA	2-1/2" To 3" Conduit, 24" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	114.50 10.59 7.06	14.11
26 05 33	13-0444	EA	3-1/2" To 4" Conduit, 24" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	171.76 15.88 10.59	21.18
26 05 33	13-0445	EA	5" To 6" Conduit, 24" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	312.58 21.17 14.12	28.23
26 05 33 13-0446 Rigid Galvanized Steel (RGS) Sealing Fittings, Vertical/Horizontal (26 05 33 13-0059)					
26 05 33	13-0447	EA	1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.73 13.23 8.82 13.23	22.06
26 05 33	13-0448	EA	3/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.02 15.88 10.59 15.88	26.47
26 05 33	13-0449	EA	1" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	100.42 18.53 12.35 18.53	30.88
26 05 33	13-0450	EA	1-1/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.53 21.17 14.12 21.17	35.29
26 05 33	13-0451	EA	1-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	150.10 23.82 15.88 23.82	39.70
26 05 33	13-0452	EA	2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	179.81 26.47 17.64 26.47	44.11
26 05 33	13-0453	EA	2-1/2" Rigid Galvanized Steel (RGS) Conduit Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	248.16 31.76 21.17 31.76	52.94
26 05 33	13-0454	EA	3" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	297.33 37.05 24.70 37.05	61.76



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0455 EA 3-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	642.47	70.58
For Work In Restricted Working Space, Add	42.35	
For Elevated Installation >15' To 20', Add	28.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.35	
26 05 33 13-0456 EA 4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	739.00	79.41
For Work In Restricted Working Space, Add	47.64	
For Elevated Installation >15' To 20', Add	31.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.64	
26 05 33 13-0457 Rigid Galvanized Steel (RGS) Threaded Couplings (26 05 33 13-0059)		
26 05 33 13-0458 EA 1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	11.51	5.29
For Work In Restricted Working Space, Add	3.17	
For Elevated Installation >15' To 20', Add	2.12	
26 05 33 13-0459 EA 3/4" Rigid Galvanized Steel (RGS) Threaded Coupling	16.16	7.50
For Work In Restricted Working Space, Add	4.50	
For Elevated Installation >15' To 20', Add	3.00	
26 05 33 13-0460 EA 1" Rigid Galvanized Steel (RGS) Threaded Coupling	21.19	9.70
For Work In Restricted Working Space, Add	5.82	
For Elevated Installation >15' To 20', Add	3.88	
26 05 33 13-0461 EA 1-1/4" Rigid Galvanized Steel (RGS) Threaded Coupling	24.31	11.02
For Work In Restricted Working Space, Add	6.62	
For Elevated Installation >15' To 20', Add	4.41	
26 05 33 13-0462 EA 1-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	29.28	13.23
For Work In Restricted Working Space, Add	7.94	
For Elevated Installation >15' To 20', Add	5.29	
26 05 33 13-0463 EA 2" Rigid Galvanized Steel (RGS) Threaded Coupling	34.19	14.99
For Work In Restricted Working Space, Add	9.00	
For Elevated Installation >15' To 20', Add	6.00	
26 05 33 13-0464 EA 2-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	42.93	16.77
For Work In Restricted Working Space, Add	10.06	
For Elevated Installation >15' To 20', Add	6.70	
26 05 33 13-0465 EA 3" Rigid Galvanized Steel (RGS) Threaded Coupling	50.16	18.97
For Work In Restricted Working Space, Add	11.38	
For Elevated Installation >15' To 20', Add	7.59	
26 05 33 13-0466 EA 3-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	57.99	20.74
For Work In Restricted Working Space, Add	12.44	
For Elevated Installation >15' To 20', Add	8.29	
26 05 33 13-0467 EA 4" Threaded Rigid Galvanized Steel (RGS) Coupling	61.32	22.06
For Work In Restricted Working Space, Add	13.23	
For Elevated Installation >15' To 20', Add	8.82	
26 05 33 13-0468 Rigid Galvanized Steel (RGS) Sealing Locknut (26 05 33 13-0059)		
26 05 33 13-0469 EA 1/2" Rigid Galvanized Steel (RGS) Sealing Locknut	2.58	0.88
26 05 33 13-0470 EA 3/4" Rigid Galvanized Steel (RGS) Sealing Locknut	3.60	1.32
26 05 33 13-0471 EA 1" Rigid Galvanized Steel (RGS) Sealing Locknut	5.98	2.20
26 05 33 13-0472 EA 1-1/4" Rigid Galvanized Steel (RGS) Sealing Locknut	8.62	3.09
26 05 33 13-0473 EA 1-1/2" Rigid Galvanized Steel (RGS) Sealing Locknut	10.29	3.53
26 05 33 13-0474 EA 2" Rigid Galvanized Steel (RGS) Sealing Locknut	12.05	3.97
26 05 33 13-0475 Rigid Galvanized Steel (RGS) Fire Stop Fittings (26 05 33 13-0059)		
26 05 33 13-0476 EA 1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	128.82	10.71
For Work In Restricted Working Space, Add	8.03	
For Elevated Installation >15' To 20', Add	5.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.03	
26 05 33 13-0477 EA 3/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	131.40	11.74
For Work In Restricted Working Space, Add	8.81	
For Elevated Installation >15' To 20', Add	5.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.81	
26 05 33 13-0478 EA 1" Rigid Galvanized Steel (RGS) Fire Stop Fitting	157.04	12.88
For Work In Restricted Working Space, Add	9.64	
For Elevated Installation >15' To 20', Add	6.43	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.64	
26 05 33 13-0479 EA 1-1/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	172.41	14.11
For Work In Restricted Working Space, Add	10.60	
For Elevated Installation >15' To 20', Add	7.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.60	
26 05 33 13-0480 EA 1-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	196.59	15.89
For Work In Restricted Working Space, Add	11.91	
For Elevated Installation >15' To 20', Add	7.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.91	
26 05 33 13-0481 EA 2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	287.85	17.65
For Work In Restricted Working Space, Add	13.24	
For Elevated Installation >15' To 20', Add	8.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.24	
26 05 33 13-0482 EA 2-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	333.02	23.55
For Work In Restricted Working Space, Add	17.66	
For Elevated Installation >15' To 20', Add	11.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.66	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0483	EA		3" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	369.30	25.85
			<i>For Work In Restricted Working Space, Add</i>	19.40	
			<i>For Elevated Installation >15' To 20', Add</i>	12.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.40	
26 05 33 13-0484	EA		3-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	428.54	28.23
			<i>For Work In Restricted Working Space, Add</i>	21.18	
			<i>For Elevated Installation >15' To 20', Add</i>	14.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.18	
26 05 33 13-0485	EA		4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	483.05	31.76
			<i>For Work In Restricted Working Space, Add</i>	23.82	
			<i>For Elevated Installation >15' To 20', Add</i>	15.88	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.82	
26 05 33 13-0486	EA		5" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	644.18	35.29
			<i>For Work In Restricted Working Space, Add</i>	26.47	
			<i>For Elevated Installation >15' To 20', Add</i>	17.64	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.47	
26 05 33 13-0487	EA		6" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	798.60	39.17
			<i>For Work In Restricted Working Space, Add</i>	29.38	
			<i>For Elevated Installation >15' To 20', Add</i>	19.59	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.38	
26 05 33 13-0488			Rigid Galvanized Steel (RGS) Reducing Bushings <small>(26 05 33 13-0059)</small>		
26 05 33 13-0489	EA		3/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	14.31	6.84
			<i>For Work In Restricted Working Space, Add</i>	4.10	
			<i>For Elevated Installation >15' To 20', Add</i>	2.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.10	
26 05 33 13-0490	EA		1" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	15.72	7.28
			<i>For Work In Restricted Working Space, Add</i>	4.37	
			<i>For Elevated Installation >15' To 20', Add</i>	2.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.37	
26 05 33 13-0491	EA		1" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	16.16	7.50
			<i>For Work In Restricted Working Space, Add</i>	4.50	
			<i>For Elevated Installation >15' To 20', Add</i>	3.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.50	
26 05 33 13-0492	EA		1-1/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	18.46	7.72
			<i>For Work In Restricted Working Space, Add</i>	4.63	
			<i>For Elevated Installation >15' To 20', Add</i>	3.09	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.63	
26 05 33 13-0493	EA		1-1/4" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	18.92	7.94
			<i>For Work In Restricted Working Space, Add</i>	4.77	
			<i>For Elevated Installation >15' To 20', Add</i>	3.18	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.77	
26 05 33 13-0494	EA		1-1/4" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	19.80	8.38
			<i>For Work In Restricted Working Space, Add</i>	5.03	
			<i>For Elevated Installation >15' To 20', Add</i>	3.35	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03	
26 05 33 13-0495	EA		1-1/2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	21.32	8.82
			<i>For Work In Restricted Working Space, Add</i>	5.30	
			<i>For Elevated Installation >15' To 20', Add</i>	3.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.30	
26 05 33 13-0496	EA		1-1/2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	21.76	9.04
			<i>For Work In Restricted Working Space, Add</i>	5.43	
			<i>For Elevated Installation >15' To 20', Add</i>	3.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.43	
26 05 33 13-0497	EA		1-1/2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	22.64	9.48
			<i>For Work In Restricted Working Space, Add</i>	5.69	
			<i>For Elevated Installation >15' To 20', Add</i>	3.79	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.69	
26 05 33 13-0498	EA		1-1/2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	23.52	9.92
			<i>For Work In Restricted Working Space, Add</i>	5.96	
			<i>For Elevated Installation >15' To 20', Add</i>	3.97	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.96	
26 05 33 13-0499	EA		2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	27.91	9.92
			<i>For Work In Restricted Working Space, Add</i>	5.96	
			<i>For Elevated Installation >15' To 20', Add</i>	3.97	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.96	
26 05 33 13-0500	EA		2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	28.35	10.14
			<i>For Work In Restricted Working Space, Add</i>	6.09	
			<i>For Elevated Installation >15' To 20', Add</i>	4.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.09	
26 05 33 13-0501	EA		2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	29.24	10.58
			<i>For Work In Restricted Working Space, Add</i>	6.35	
			<i>For Elevated Installation >15' To 20', Add</i>	4.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.35	
26 05 33 13-0502	EA		2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	30.12	11.02
			<i>For Work In Restricted Working Space, Add</i>	6.62	
			<i>For Elevated Installation >15' To 20', Add</i>	4.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.62	
26 05 33 13-0503	EA		2" x 1-1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	32.32	12.13
			<i>For Work In Restricted Working Space, Add</i>	7.28	
			<i>For Elevated Installation >15' To 20', Add</i>	4.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0504 EA 2-1/2" x 2" Rigid Galvanized Steel (RGS) Reducing Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.62 8.60 5.73 8.60	14.33
26 05 33 13-0505 Rigid Galvanized Steel (RGS) Locknuts <small>(26 05 33 13-0059)</small>		
26 05 33 13-0506 EA 1/2" Rigid Galvanized Steel (RGS) Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	1.82 0.53 0.35	0.88
26 05 33 13-0507 EA 3/4" Rigid Galvanized Steel (RGS) Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	2.73 0.80 0.53	1.32
26 05 33 13-0508 EA 1" Rigid Galvanized Steel (RGS) Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	4.55 1.32 0.88	2.20
26 05 33 13-0509 EA 1-1/4" Rigid Galvanized Steel (RGS) Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	6.39 1.85 1.23	3.09
26 05 33 13-0510 EA 1-1/2" Rigid Galvanized Steel (RGS) Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	7.35 2.12 1.41	3.53
26 05 33 13-0511 EA 2" Rigid Galvanized Steel (RGS) Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	8.30 2.38 1.59	3.97
26 05 33 13-0512 EA 2-1/2" Rigid Galvanized Steel (RGS) Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	11.54 3.17 2.12	5.29
26 05 33 13-0513 EA 3" Rigid Galvanized Steel (RGS) Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	14.28 3.97 2.65	6.61
26 05 33 13-0514 EA 3-1/2" Rigid Galvanized Steel (RGS) Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	16.74 4.50 3.00	7.50
26 05 33 13-0515 EA 4" Rigid Galvanized Steel (RGS) Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	18.79 5.03 3.35	8.38
26 05 33 13-0516 Rigid Galvanized Steel (RGS) Grounding Locknuts <small>(26 05 33 13-0059)</small>		
26 05 33 13-0517 EA 1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	2.64 0.53 0.35	0.88
26 05 33 13-0518 EA 3/4" Rigid Galvanized Steel (RGS) Grounding Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	3.70 0.80 0.53	1.32
26 05 33 13-0519 EA 1" Rigid Galvanized Steel (RGS) Grounding Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	5.91 1.32 0.88	2.20
26 05 33 13-0520 EA 1-1/4" Rigid Galvanized Steel (RGS) Grounding Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	8.26 1.85 1.23	3.09
26 05 33 13-0521 EA 1-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	9.35 2.12 1.41	3.53
26 05 33 13-0522 EA 2" Rigid Galvanized Steel (RGS) Grounding Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	10.92 2.38 1.59	3.97
26 05 33 13-0523 EA 2-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	16.12 3.17 2.12	5.29
26 05 33 13-0524 EA 3" Rigid Galvanized Steel (RGS) Grounding Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	20.27 3.97 2.65	6.61
26 05 33 13-0525 EA 3-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	26.41 4.50 3.00	7.50
26 05 33 13-0526 EA 4" Rigid Galvanized Steel (RGS) Grounding Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	31.50 5.03 3.35	8.38
26 05 33 13-0527 Rigid Galvanized Steel (RGS) Insulated Ground Bushing <small>(26 05 33 13-0059)</small>		
26 05 33 13-0528 EA 1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	7.48 1.59 1.06	2.65
26 05 33 13-0529 EA 3/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	9.43 2.12 1.41	3.53
26 05 33 13-0530 EA 1" Rigid Galvanized Steel (RGS) Insulated Ground Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	12.02 2.65 1.76	4.41

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0531	EA	1-1/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	17.68 4.23 2.82	7.06
26 05 33	13-0532	EA	1-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	19.93 4.77 3.18	7.94
26 05 33	13-0533	EA	2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	22.60 5.30 3.53	8.82
26 05 33	13-0534	EA	2-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	30.75 6.35 4.24	10.58
26 05 33	13-0535	EA	3" Rigid Galvanized Steel (RGS) Insulated Ground Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	37.43 7.94 5.29	13.23
26 05 33	13-0536	EA	3-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	46.61 10.59 7.06	17.65
26 05 33	13-0537	EA	4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	56.90 13.23 8.82	22.06
26 05 33 13-0538 Rigid Galvanized Steel (RGS) Threadless Compression Connectors <small>(26 05 33 13-0059)</small>					
26 05 33	13-0539	EA	1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	17.42 4.77 3.18	7.94
26 05 33	13-0540	EA	3/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	20.12 5.30 3.53	8.82
26 05 33	13-0541	EA	1" Rigid Galvanized Steel (RGS) Threadless Compression Connectors..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	25.92 6.62 4.41	11.02
26 05 33	13-0542	EA	1-1/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	33.73 7.94 5.29	13.23
26 05 33	13-0543	EA	1-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	45.34 10.59 7.06	17.65
26 05 33	13-0544	EA	2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	63.40 13.23 8.82	22.06
26 05 33	13-0545	EA	2-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	97.43 15.88 10.59	26.47
26 05 33	13-0546	EA	3" Rigid Galvanized Steel (RGS) Threadless Compression Connectors..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	120.74 18.53 12.35	30.88
26 05 33	13-0547	EA	3-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	152.07 22.50 15.00	37.49
26 05 33	13-0548	EA	4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	182.58 26.47 17.64	44.11
26 05 33 13-0549 Rigid Galvanized Steel (RGS) Compression Coupling <small>(26 05 33 13-0059)</small>					
26 05 33	13-0550	EA	1/2" Rigid Galvanized Steel (RGS) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	24.53 6.62 4.41	11.02
26 05 33	13-0551	EA	3/4" Rigid Galvanized Steel (RGS) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	30.44 7.94 5.29	13.23
26 05 33	13-0552	EA	1" Rigid Galvanized Steel (RGS) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	42.21 10.59 7.06	17.65
26 05 33	13-0553	EA	1-1/4" Rigid Galvanized Steel (RGS) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	54.35 13.23 8.82	22.06
26 05 33	13-0554	EA	1-1/2" Rigid Galvanized Steel (RGS) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	66.28 15.88 10.59	26.47
26 05 33	13-0555	EA	2" Rigid Galvanized Steel (RGS) Compression Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	90.93 18.53 12.35	30.88
26 05 33	13-0556	EA	2-1/2" Rigid Galvanized Steel (RGS) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	132.01 21.17 14.12	35.29
26 05 33	13-0557	EA	3" Rigid Galvanized Steel (RGS) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	142.26 18.26 12.17	30.44
26 05 33	13-0558	EA	3-1/2" Rigid Galvanized Steel (RGS) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	199.78 27.79 18.53	46.31



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0559 EA 4" Rigid Galvanized Steel (RGS) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	242.96 31.76 21.17	52.94
26 05 33 13-0560 Zinc Plated Steel Snap-in Knock Out Seal (26 05 33 13-0059)		
26 05 33 13-0561 EA 1/2" Zinc Plated Steel Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	4.60 1.32 0.88	2.20
26 05 33 13-0562 EA 3/4" Zinc Plated Steel Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	5.53 1.59 1.06	2.65
26 05 33 13-0563 EA 1" Zinc Plated Steel Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	6.56 1.85 1.23	3.09
26 05 33 13-0564 EA 1-1/4" Zinc Plated Steel Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	8.45 2.38 1.59	3.97
26 05 33 13-0565 EA 1-1/2" Zinc Plated Steel Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	9.52 2.65 1.76	4.41
26 05 33 13-0566 EA 2" Zinc Plated Steel Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	11.57 3.17 2.12	5.29
26 05 33 13-0567 Zinc Plated Steel 3-Piece Knock Out Seal (26 05 33 13-0059)		
26 05 33 13-0568 EA 1/2" Zinc Plated Steel 3-Piece Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	5.52 1.32 0.88	2.20
26 05 33 13-0569 EA 3/4" Zinc Plated Steel 3-Piece Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	6.58 1.59 1.06	2.65
26 05 33 13-0570 EA 1" Zinc Plated Steel 3-Piece Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	7.95 1.85 1.23	3.09
26 05 33 13-0571 EA 1-1/4" Zinc Plated Steel 3-Piece Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	10.23 2.38 1.59	3.97
26 05 33 13-0572 EA 1-1/2" Zinc Plated Steel 3-Piece Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	12.48 2.65 1.76	4.41
26 05 33 13-0573 EA 2" Zinc Plated Steel 3-Piece Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	15.08 3.17 2.12	5.29
26 05 33 13-0574 EA 2-1/2" Zinc Plated Steel 3-Piece Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	18.53 3.97 2.65	6.61
26 05 33 13-0575 EA 3" Zinc Plated Steel 3-Piece Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	21.61 4.50 3.00	7.50
26 05 33 13-0576 EA 3-1/2" Zinc Plated Steel 3-Piece Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	26.09 5.03 3.35	8.38
26 05 33 13-0577 EA 4" Zinc Plated Steel 3-Piece Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	30.49 5.56 3.71	9.26
26 05 33 13-0578 Rigid Galvanized Steel (RGS) Chase Nipples (26 05 33 13-0059)		
26 05 33 13-0579 EA 1/2" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.86 3.17 2.12 3.17	5.29
26 05 33 13-0580 EA 3/4" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.82 3.71 2.47 3.71	6.17
26 05 33 13-0581 EA 1" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.03 4.50 3.00 4.50	7.50
26 05 33 13-0582 EA 1-1/4" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.45 5.30 3.53 5.30	8.82
26 05 33 13-0583 EA 1-1/2" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.37 6.62 4.41 6.62	11.02
26 05 33 13-0584 EA 2" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.22 7.94 5.29 7.94	13.23

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0585	EA	2-1/2" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.02 9.26 6.18 9.26	15.43
26 05 33	13-0586	EA	3" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.61 10.59 7.06 10.59	17.65
26 05 33	13-0587	EA	3-1/2" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.65 11.91 7.94 11.91	19.85
26 05 33	13-0588	EA	4" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.24 13.23 8.82 13.23	22.06
26 05 33	13-0589		Rigid Galvanized Steel (RGS) Pulling Elbow <small>(26 05 33 13-0059)</small>		
26 05 33	13-0590	EA	1/2" Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	20.81 4.77 3.18	7.94
26 05 33	13-0591	EA	3/4" Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	24.18 5.56 3.71	9.26
26 05 33	13-0592	EA	1" Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	30.56 6.35 4.24	10.58
26 05 33	13-0593	EA	1-1/4" Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	39.10 7.94 5.29	13.23
26 05 33	13-0594	EA	1-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	51.81 9.53 6.35	15.89
26 05 33	13-0595	EA	2" Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	68.78 11.12 7.41	18.53
26 05 33	13-0596	EA	2-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	94.72 12.70 8.47	21.18
26 05 33	13-0597	EA	3" Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	163.91 15.88 10.59	26.47
26 05 33	13-0598		Electrical Metallic Tubing (EMT) Thinwall Conduit <small>(26 05 33 13-0058)</small> Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33	13-0599		Electrical Metallic Tubing (EMT) Thinwall Conduit <small>(26 05 33 13-0598)</small> Note: Includes field bending conduit up to and including 1".		
26 05 33	13-0600	LF	1/2" Electrical Metallic Tubing (EMT) Conduit..... <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Factory Applied Color Coating, Add</i>	4.42 -0.02 -0.23 -0.34 0.40 0.99 0.60 1.19 0.79 0.14	1.58
26 05 33	13-0601	LF	3/4" Electrical Metallic Tubing (EMT) Conduit..... <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Factory Applied Color Coating, Add</i>	5.11 -0.04 -0.27 -0.40 0.44 1.10 0.66 1.32 0.88 0.21	1.76
26 05 33	13-0602	LF	1" Electrical Metallic Tubing (EMT) Conduit..... <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Factory Applied Color Coating, Add</i>	6.02 -0.06 -0.33 -0.48 0.49 1.21 0.73 1.46 0.97 0.35	1.94



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0603 LF 1-1/4" Electrical Metallic Tubing (EMT) Conduit	7.31	2.18
For >250 To 500, Deduct	-0.09	
For >500 To 1,000, Deduct	-0.41	
For >1,000, Deduct	-0.59	
For Installation In Metal Stud Wall, Add	0.55	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.37	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.82	
For Work In Restricted Working Space, Add	1.64	
For Elevated Installation >15' To 20', Add	1.09	
For Factory Applied Color Coating, Add	0.55	
26 05 33 13-0604 LF 1-1/2" Electrical Metallic Tubing (EMT) Conduit	8.47	2.47
For >250 To 500, Deduct	-0.12	
For >500 To 1,000, Deduct	-0.48	
For >1,000, Deduct	-0.69	
For Installation In Metal Stud Wall, Add	0.62	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.54	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.93	
For Work In Restricted Working Space, Add	1.85	
For Elevated Installation >15' To 20', Add	1.23	
For Factory Applied Color Coating, Add	0.69	
26 05 33 13-0605 LF 2" Electrical Metallic Tubing (EMT) Conduit.....	9.78	2.83
For >250 To 500, Deduct	-0.14	
For >500 To 1,000, Deduct	-0.56	
For >1,000, Deduct	-0.80	
For Installation In Metal Stud Wall, Add	0.71	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.77	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.06	
For Work In Restricted Working Space, Add	2.12	
For Elevated Installation >15' To 20', Add	1.41	
For Factory Applied Color Coating, Add	0.82	
26 05 33 13-0606 LF 2-1/2" Electrical Metallic Tubing (EMT) Conduit	12.41	3.36
For >250 To 500, Deduct	-0.20	
For >500 To 1,000, Deduct	-0.72	
For >1,000, Deduct	-1.03	
For Installation In Metal Stud Wall, Add	0.84	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.10	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.26	
For Work In Restricted Working Space, Add	2.51	
For Elevated Installation >15' To 20', Add	1.68	
For Factory Applied Color Coating, Add	1.21	
26 05 33 13-0607 LF 3" Electrical Metallic Tubing (EMT) Conduit.....	14.75	3.88
For >250 To 500, Deduct	-0.25	
For >500 To 1,000, Deduct	-0.86	
For >1,000, Deduct	-1.23	
For Installation In Metal Stud Wall, Add	0.97	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.43	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.46	
For Work In Restricted Working Space, Add	2.91	
For Elevated Installation >15' To 20', Add	1.94	
For Factory Applied Color Coating, Add	1.52	
26 05 33 13-0608 LF 3-1/2" Electrical Metallic Tubing (EMT) Conduit	18.22	4.59
For >250 To 500, Deduct	-0.34	
For >500 To 1,000, Deduct	-1.08	
For >1,000, Deduct	-1.54	
For Installation In Metal Stud Wall, Add	1.15	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.87	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.72	
For Work In Restricted Working Space, Add	3.44	
For Elevated Installation >15' To 20', Add	2.29	
For Factory Applied Color Coating, Add	2.03	
26 05 33 13-0609 LF 4" Electrical Metallic Tubing (EMT) Conduit.....	23.97	6.82
For >250 To 500, Deduct	-0.35	
For >500 To 1,000, Deduct	-1.37	
For >1,000, Deduct	-1.97	
For Installation In Metal Stud Wall, Add	1.71	
For Installation In Wood Stud Wall (Includes Drilling), Add	4.27	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.56	
For Work In Restricted Working Space, Add	5.12	
For Elevated Installation >15' To 20', Add	3.41	
For Factory Applied Color Coating, Add	2.07	
26 05 33 13-0610 Electrical Metallic Tubing (EMT) 90 Degree Elbows <small>(26 05 33 13-0598)</small>		
See CSI section 26 05 33 13-2224 for conduit field bending.		
26 05 33 13-0611 Electrical Metallic Tubing (EMT) Set Screw Couplings <small>(26 05 33 13-0598)</small>		
26 05 33 13-0612 EA 1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	4.57	2.11
For Work In Restricted Working Space, Add	1.32	
For Elevated Installation >15' To 20', Add	0.88	
26 05 33 13-0613 EA 3/4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	5.52	2.11
For Work In Restricted Working Space, Add	1.59	
For Elevated Installation >15' To 20', Add	1.06	
26 05 33 13-0614 EA 1" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	6.53	2.47
For Work In Restricted Working Space, Add	1.85	
For Elevated Installation >15' To 20', Add	1.23	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0615	EA	1-1/4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	8.72	3.18
			<i>For Work In Restricted Working Space, Add</i>	2.38	
			<i>For Elevated Installation >15' To 20', Add</i>	1.59	
26 05 33	13-0616	EA	1-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	10.74	3.88
			<i>For Work In Restricted Working Space, Add</i>	2.91	
			<i>For Elevated Installation >15' To 20', Add</i>	1.94	
26 05 33	13-0617	EA	2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	14.60	5.29
			<i>For Work In Restricted Working Space, Add</i>	3.97	
			<i>For Elevated Installation >15' To 20', Add</i>	2.65	
26 05 33	13-0618	EA	2-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	20.05	7.06
			<i>For Work In Restricted Working Space, Add</i>	5.30	
			<i>For Elevated Installation >15' To 20', Add</i>	3.53	
26 05 33	13-0619	EA	3" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	25.78	8.12
			<i>For Work In Restricted Working Space, Add</i>	6.62	
			<i>For Elevated Installation >15' To 20', Add</i>	4.41	
26 05 33	13-0620	EA	3-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	29.42	8.82
			<i>For Work In Restricted Working Space, Add</i>	7.94	
			<i>For Elevated Installation >15' To 20', Add</i>	5.29	
26 05 33	13-0621	EA	4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	85.32	24.73
			<i>For Work In Restricted Working Space, Add</i>	24.02	
			<i>For Elevated Installation >15' To 20', Add</i>	16.01	
26 05 33 13-0622 Electrical Metallic Tubing (EMT) Compression Couplings <small>(26 05 33 13-0598)</small>					
26 05 33	13-0623	EA	1/2 Electrical Metallic Tubing (EMT) Compression Coupling	5.68	2.11
			<i>For Work In Restricted Working Space, Add</i>	1.59	
			<i>For Elevated Installation >15' To 20', Add</i>	1.06	
26 05 33	13-0624	EA	3/4" Electrical Metallic Tubing (EMT) Compression Coupling.....	6.60	2.47
			<i>For Work In Restricted Working Space, Add</i>	1.85	
			<i>For Elevated Installation >15' To 20', Add</i>	1.23	
26 05 33	13-0625	EA	1" Electrical Metallic Tubing (EMT) Compression Coupling.....	9.42	3.53
			<i>For Work In Restricted Working Space, Add</i>	2.65	
			<i>For Elevated Installation >15' To 20', Add</i>	1.76	
26 05 33	13-0626	EA	1-1/4" Electrical Metallic Tubing (EMT) Compression Coupling.....	11.84	4.24
			<i>For Work In Restricted Working Space, Add</i>	3.17	
			<i>For Elevated Installation >15' To 20', Add</i>	2.12	
26 05 33	13-0627	EA	1-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	14.12	4.94
			<i>For Work In Restricted Working Space, Add</i>	3.71	
			<i>For Elevated Installation >15' To 20', Add</i>	2.47	
26 05 33	13-0628	EA	2" Electrical Metallic Tubing (EMT) Compression Coupling.....	18.68	6.35
			<i>For Work In Restricted Working Space, Add</i>	4.77	
			<i>For Elevated Installation >15' To 20', Add</i>	3.18	
26 05 33	13-0629	EA	2-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	28.46	8.47
			<i>For Work In Restricted Working Space, Add</i>	6.35	
			<i>For Elevated Installation >15' To 20', Add</i>	4.24	
26 05 33	13-0630	EA	3" Electrical Metallic Tubing (EMT) Compression Coupling.....	32.97	9.88
			<i>For Work In Restricted Working Space, Add</i>	7.41	
			<i>For Elevated Installation >15' To 20', Add</i>	4.94	
26 05 33	13-0631	EA	3-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	41.23	12.35
			<i>For Work In Restricted Working Space, Add</i>	9.26	
			<i>For Elevated Installation >15' To 20', Add</i>	6.18	
26 05 33	13-0632	EA	4" Electrical Metallic Tubing (EMT) Compression Coupling.....	52.89	15.89
			<i>For Work In Restricted Working Space, Add</i>	11.91	
			<i>For Elevated Installation >15' To 20', Add</i>	7.94	
26 05 33 13-0633 Electrical Metallic Tubing (EMT) Straight Box Connectors With Set Screw <small>(26 05 33 13-0598)</small>					
26 05 33	13-0634	EA	1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	4.54	1.76
			<i>For Work In Restricted Working Space, Add</i>	1.32	
			<i>For Elevated Installation >15' To 20', Add</i>	0.88	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.32	
26 05 33	13-0635	EA	3/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	5.49	2.11
			<i>For Work In Restricted Working Space, Add</i>	1.59	
			<i>For Elevated Installation >15' To 20', Add</i>	1.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.59	
26 05 33	13-0636	EA	1" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	6.53	2.47
			<i>For Work In Restricted Working Space, Add</i>	1.85	
			<i>For Elevated Installation >15' To 20', Add</i>	1.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.85	
26 05 33	13-0637	EA	1-1/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	9.48	3.53
			<i>For Work In Restricted Working Space, Add</i>	2.65	
			<i>For Elevated Installation >15' To 20', Add</i>	1.76	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.65	
26 05 33	13-0638	EA	1-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	11.53	4.24
			<i>For Work In Restricted Working Space, Add</i>	3.17	
			<i>For Elevated Installation >15' To 20', Add</i>	2.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.17	
26 05 33	13-0639	EA	2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	14.64	5.29
			<i>For Work In Restricted Working Space, Add</i>	3.97	
			<i>For Elevated Installation >15' To 20', Add</i>	2.65	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.97	
26 05 33	13-0640	EA	2-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	21.58	7.06
			<i>For Work In Restricted Working Space, Add</i>	5.30	
			<i>For Elevated Installation >15' To 20', Add</i>	3.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0641 EA 3" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	26.87	8.82
<i>For Work In Restricted Working Space, Add</i>	6.62	
<i>For Elevated Installation >15' To 20', Add</i>	4.41	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.62	
26 05 33 13-0642 EA 3-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	31.87	10.58
<i>For Work In Restricted Working Space, Add</i>	7.94	
<i>For Elevated Installation >15' To 20', Add</i>	5.29	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.94	
26 05 33 13-0643 EA 4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	37.13	12.35
<i>For Work In Restricted Working Space, Add</i>	9.26	
<i>For Elevated Installation >15' To 20', Add</i>	6.18	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.26	
26 05 33 13-0644 Electrical Metallic Tubing (EMT) Insulated Straight Box Connectors With Set Screw <small>(26 05 33 13-0598)</small>		
26 05 33 13-0645 EA 1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	6.12	2.39
<i>For Work In Restricted Working Space, Add</i>	1.77	
<i>For Elevated Installation >15' To 20', Add</i>	1.18	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.77	
26 05 33 13-0646 EA 3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	6.78	2.56
<i>For Work In Restricted Working Space, Add</i>	1.93	
<i>For Elevated Installation >15' To 20', Add</i>	1.29	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.93	
26 05 33 13-0647 EA 1" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	8.45	3.18
<i>For Work In Restricted Working Space, Add</i>	2.36	
<i>For Elevated Installation >15' To 20', Add</i>	1.57	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.36	
26 05 33 13-0648 EA 1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	11.05	4.06
<i>For Work In Restricted Working Space, Add</i>	3.02	
<i>For Elevated Installation >15' To 20', Add</i>	2.01	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.02	
26 05 33 13-0649 EA 1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	13.06	4.68
<i>For Work In Restricted Working Space, Add</i>	3.52	
<i>For Elevated Installation >15' To 20', Add</i>	2.35	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 05 33 13-0650 EA 2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	15.93	5.64
<i>For Work In Restricted Working Space, Add</i>	4.23	
<i>For Elevated Installation >15' To 20', Add</i>	2.82	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.23	
26 05 33 13-0651 EA 2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	25.53	7.85
<i>For Work In Restricted Working Space, Add</i>	5.87	
<i>For Elevated Installation >15' To 20', Add</i>	3.92	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.87	
26 05 33 13-0652 EA 3" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	33.24	10.41
<i>For Work In Restricted Working Space, Add</i>	7.84	
<i>For Elevated Installation >15' To 20', Add</i>	5.22	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.84	
26 05 33 13-0653 EA 3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	42.51	13.41
<i>For Work In Restricted Working Space, Add</i>	10.08	
<i>For Elevated Installation >15' To 20', Add</i>	6.72	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.08	
26 05 33 13-0654 EA 4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	53.91	17.65
<i>For Work In Restricted Working Space, Add</i>	13.23	
<i>For Elevated Installation >15' To 20', Add</i>	8.82	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.23	
26 05 33 13-0655 Electrical Metallic Tubing (EMT) Straight Box Compression Connectors <small>(26 05 33 13-0598)</small>		
26 05 33 13-0656 EA 1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	5.49	2.11
<i>For Work In Restricted Working Space, Add</i>	1.59	
<i>For Elevated Installation >15' To 20', Add</i>	1.06	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.59	
26 05 33 13-0657 EA 3/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	6.48	2.47
<i>For Work In Restricted Working Space, Add</i>	1.85	
<i>For Elevated Installation >15' To 20', Add</i>	1.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.85	
26 05 33 13-0658 EA 1" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	9.26	3.53
<i>For Work In Restricted Working Space, Add</i>	2.65	
<i>For Elevated Installation >15' To 20', Add</i>	1.76	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.65	
26 05 33 13-0659 EA 1-1/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	11.41	4.24
<i>For Work In Restricted Working Space, Add</i>	3.17	
<i>For Elevated Installation >15' To 20', Add</i>	2.12	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.17	
26 05 33 13-0660 EA 1-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	13.52	4.94
<i>For Work In Restricted Working Space, Add</i>	3.71	
<i>For Elevated Installation >15' To 20', Add</i>	2.47	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.71	
26 05 33 13-0661 EA 2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	17.58	6.35
<i>For Work In Restricted Working Space, Add</i>	4.77	
<i>For Elevated Installation >15' To 20', Add</i>	3.18	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.77	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0662	EA	2-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector.....	26.27	8.47
			<i>For Work In Restricted Working Space, Add</i>	6.35	
			<i>For Elevated Installation >15' To 20', Add</i>	4.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.35	
26 05 33	13-0663	EA	3" Electrical Metallic Tubing (EMT) Straight Box Compression Connector.....	33.13	10.58
			<i>For Work In Restricted Working Space, Add</i>	7.94	
			<i>For Elevated Installation >15' To 20', Add</i>	5.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.94	
26 05 33	13-0664	EA	3-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector.....	41.14	12.35
			<i>For Work In Restricted Working Space, Add</i>	9.26	
			<i>For Elevated Installation >15' To 20', Add</i>	6.18	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.26	
26 05 33	13-0665	EA	4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector.....	46.42	14.11
			<i>For Work In Restricted Working Space, Add</i>	10.59	
			<i>For Elevated Installation >15' To 20', Add</i>	7.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.59	
26 05 33 13-0666 Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connectors <small>(26 05 33 13-0598)</small>					
26 05 33	13-0667	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	6.26	2.39
			<i>For Work In Restricted Working Space, Add</i>	1.77	
			<i>For Elevated Installation >15' To 20', Add</i>	1.18	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.77	
26 05 33	13-0668	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	6.92	2.56
			<i>For Work In Restricted Working Space, Add</i>	1.93	
			<i>For Elevated Installation >15' To 20', Add</i>	1.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.93	
26 05 33	13-0669	EA	1" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	8.57	3.18
			<i>For Work In Restricted Working Space, Add</i>	2.36	
			<i>For Elevated Installation >15' To 20', Add</i>	1.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.36	
26 05 33	13-0670	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	11.40	4.06
			<i>For Work In Restricted Working Space, Add</i>	3.02	
			<i>For Elevated Installation >15' To 20', Add</i>	2.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.02	
26 05 33	13-0671	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	13.64	4.68
			<i>For Work In Restricted Working Space, Add</i>	3.52	
			<i>For Elevated Installation >15' To 20', Add</i>	2.35	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 05 33	13-0672	EA	2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	16.77	5.64
			<i>For Work In Restricted Working Space, Add</i>	4.23	
			<i>For Elevated Installation >15' To 20', Add</i>	2.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.23	
26 05 33	13-0673	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	28.60	7.85
			<i>For Work In Restricted Working Space, Add</i>	5.87	
			<i>For Elevated Installation >15' To 20', Add</i>	3.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.87	
26 05 33	13-0674	EA	3" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	38.40	10.41
			<i>For Work In Restricted Working Space, Add</i>	7.84	
			<i>For Elevated Installation >15' To 20', Add</i>	5.22	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.84	
26 05 33	13-0675	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	51.55	13.41
			<i>For Work In Restricted Working Space, Add</i>	10.08	
			<i>For Elevated Installation >15' To 20', Add</i>	6.72	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.08	
26 05 33	13-0676	EA	4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	65.10	17.65
			<i>For Work In Restricted Working Space, Add</i>	13.23	
			<i>For Elevated Installation >15' To 20', Add</i>	8.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.23	
26 05 33 13-0677 Electrical Metallic Tubing (EMT) Expansion Coupling <small>(26 05 33 13-0598)</small>					
Note: Excludes jumper.					
26 05 33	13-0678	EA	1/2" Electrical Metallic Tubing (EMT) Expansion Coupling.....	43.59	11.74
			<i>For Work In Restricted Working Space, Add</i>	8.81	
			<i>For Elevated Installation >15' To 20', Add</i>	5.87	
26 05 33	13-0679	EA	3/4" Electrical Metallic Tubing (EMT) Expansion Coupling.....	52.57	14.20
			<i>For Work In Restricted Working Space, Add</i>	10.68	
			<i>For Elevated Installation >15' To 20', Add</i>	7.12	
26 05 33	13-0680	EA	1" Electrical Metallic Tubing (EMT) Expansion Coupling.....	64.76	17.82
			<i>For Work In Restricted Working Space, Add</i>	13.35	
			<i>For Elevated Installation >15' To 20', Add</i>	8.90	
26 05 33	13-0681	EA	1-1/4" Electrical Metallic Tubing (EMT) Expansion Coupling.....	83.13	21.88
			<i>For Work In Restricted Working Space, Add</i>	16.42	
			<i>For Elevated Installation >15' To 20', Add</i>	10.95	
26 05 33	13-0682	EA	1-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling.....	102.45	25.68
			<i>For Work In Restricted Working Space, Add</i>	19.25	
			<i>For Elevated Installation >15' To 20', Add</i>	12.84	
26 05 33	13-0683	EA	2" Electrical Metallic Tubing (EMT) Expansion Coupling.....	127.92	31.23
			<i>For Work In Restricted Working Space, Add</i>	23.45	
			<i>For Elevated Installation >15' To 20', Add</i>	15.63	
26 05 33	13-0684	EA	2-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling.....	233.59	40.14
			<i>For Work In Restricted Working Space, Add</i>	30.11	
			<i>For Elevated Installation >15' To 20', Add</i>	20.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0685 EA 3" Electrical Metallic Tubing (EMT) Expansion Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	284.52 35.21 23.47	46.93
26 05 33 13-0686 EA 3-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	345.92 38.39 25.59	51.17
26 05 33 13-0687 EA 4" Electrical Metallic Tubing (EMT) Expansion Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	375.00 42.36 28.24	56.46
26 05 33 13-0688 Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapters <small>(26 05 33 13-0598)</small>		
26 05 33 13-0689 EA 1/2" To 3/8" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.70 2.35 1.57 2.35	3.18
26 05 33 13-0690 EA 1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.16 2.35 1.57 2.35	3.18
26 05 33 13-0691 EA 3/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.23 2.61 1.74 2.61	3.44
26 05 33 13-0692 EA 1" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.86 2.97 1.98 2.97	3.97
26 05 33 13-0693 EA 1-1/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.40 3.59 2.40 3.59	4.76
26 05 33 13-0694 EA 1-1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.84 4.11 2.74 4.11	5.47
26 05 33 13-0695 EA 2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.69 5.14 3.42 5.14	6.89
26 05 33 13-0696 Electrical Metallic Tubing (EMT) Pulling Elbows <small>(26 05 33 13-0598)</small>		
26 05 33 13-0697 EA 1/2" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.12 4.77 3.18 4.77	7.94
26 05 33 13-0698 EA 3/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.12 5.56 3.71 5.56	9.26
26 05 33 13-0699 EA 1" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.80 6.35 4.24 6.35	10.58
26 05 33 13-0700 EA 1-1/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.83 7.94 5.29 7.94	13.23
26 05 33 13-0701 Intermediate Metal Conduit (IMC) <small>(26 05 33 13-0058)</small> Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0702 Intermediate Metal Conduit (IMC) Conduit <small>(26 05 33 13-0701)</small> Note: Includes field bending conduit up to 1".		
26 05 33 13-0703 LF 1/2" Intermediate Metal Conduit (IMC) Conduit <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stub Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	5.64 -0.06 -0.09 -0.12 0.44 1.10 0.66 1.32 0.88	1.76
26 05 33 13-0704 LF 3/4" Intermediate Metal Conduit (IMC) Conduit <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stub Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	6.31 -0.07 -0.11 -0.15 0.49 1.21 0.73 1.46 0.97	1.94

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0705	LF		1" Intermediate Metal Conduit (IMC) Conduit	7.55	2.11
			<i>For >250 To 500, Deduct</i>	-0.11	
			<i>For >500 To 1,000, Deduct</i>	-0.17	
			<i>For >1,000, Deduct</i>	-0.23	
			<i>For Installation In Metal Stub Wall, Add</i>	0.53	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.32	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.79	
			<i>For Work In Restricted Working Space, Add</i>	1.59	
			<i>For Elevated Installation >15' To 20', Add</i>	1.06	
26 05 33 13-0706	LF		1-1/4" Intermediate Metal Conduit (IMC) Conduit	9.03	4.24
			<i>For >250 To 500, Deduct</i>	-0.14	
			<i>For >500 To 1,000, Deduct</i>	-0.21	
			<i>For >1,000, Deduct</i>	-0.29	
			<i>For Installation In Metal Stub Wall, Add</i>	0.62	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.54	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.93	
			<i>For Work In Restricted Working Space, Add</i>	1.85	
			<i>For Elevated Installation >15' To 20', Add</i>	1.23	
26 05 33 13-0707	LF		1-1/2" Intermediate Metal Conduit (IMC) Conduit	10.44	2.83
			<i>For >250 To 500, Deduct</i>	-0.17	
			<i>For >500 To 1,000, Deduct</i>	-0.25	
			<i>For >1,000, Deduct</i>	-0.34	
			<i>For Installation In Metal Stub Wall, Add</i>	0.71	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.77	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.06	
			<i>For Work In Restricted Working Space, Add</i>	2.12	
			<i>For Elevated Installation >15' To 20', Add</i>	1.41	
26 05 33 13-0708	LF		2" Intermediate Metal Conduit (IMC) Conduit	12.52	3.18
			<i>For >250 To 500, Deduct</i>	-0.23	
			<i>For >500 To 1,000, Deduct</i>	-0.34	
			<i>For >1,000, Deduct</i>	-0.46	
			<i>For Installation In Metal Stub Wall, Add</i>	0.79	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.99	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.19	
			<i>For Work In Restricted Working Space, Add</i>	2.38	
			<i>For Elevated Installation >15' To 20', Add</i>	1.59	
26 05 33 13-0709	LF		2-1/2" Intermediate Metal Conduit (IMC) Conduit	20.73	4.24
			<i>For >250 To 500, Deduct</i>	-0.51	
			<i>For >500 To 1,000, Deduct</i>	-0.76	
			<i>For >1,000, Deduct</i>	-1.02	
			<i>For Installation In Metal Stub Wall, Add</i>	1.06	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2.65	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.59	
			<i>For Work In Restricted Working Space, Add</i>	3.17	
			<i>For Elevated Installation >15' To 20', Add</i>	2.12	
26 05 33 13-0710	LF		3" Intermediate Metal Conduit (IMC) Conduit	25.72	5.29
			<i>For >250 To 500, Deduct</i>	-0.62	
			<i>For >500 To 1,000, Deduct</i>	-0.94	
			<i>For >1,000, Deduct</i>	-1.25	
			<i>For Installation In Metal Stub Wall, Add</i>	1.32	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	3.31	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.98	
			<i>For Work In Restricted Working Space, Add</i>	3.97	
			<i>For Elevated Installation >15' To 20', Add</i>	2.65	
26 05 33 13-0711	LF		3-1/2" Intermediate Metal Conduit (IMC) Conduit	30.36	6.35
			<i>For >250 To 500, Deduct</i>	-0.72	
			<i>For >500 To 1,000, Deduct</i>	-1.09	
			<i>For >1,000, Deduct</i>	-1.45	
			<i>For Installation In Metal Stub Wall, Add</i>	1.59	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	3.97	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.38	
			<i>For Work In Restricted Working Space, Add</i>	4.77	
			<i>For Elevated Installation >15' To 20', Add</i>	3.18	
26 05 33 13-0712	LF		4" Intermediate Metal Conduit (IMC) Conduit	35.56	7.41
			<i>For >250 To 500, Deduct</i>	-0.85	
			<i>For >500 To 1,000, Deduct</i>	-1.28	
			<i>For >1,000, Deduct</i>	-1.70	
			<i>For Installation In Metal Stub Wall, Add</i>	1.85	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	4.63	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.78	
			<i>For Work In Restricted Working Space, Add</i>	5.56	
			<i>For Elevated Installation >15' To 20', Add</i>	3.71	
26 05 33 13-0713			Intermediate Metal Conduit (IMC) 90 Degree Elbows <small>(26 05 33 13-0701)</small>		
			See CSI section 26 05 33 13-2224 for conduit field bending.		
26 05 33 13-0714	EA		1" Intermediate Metal Conduit (IMC) 90 Degree Elbow	43.60	13.32
			<i>For Work In Restricted Working Space, Add</i>	9.96	
			<i>For Elevated Installation >15' To 20', Add</i>	6.64	
26 05 33 13-0715	EA		1-1/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	53.14	15.43
			<i>For Work In Restricted Working Space, Add</i>	11.57	
			<i>For Elevated Installation >15' To 20', Add</i>	7.71	
26 05 33 13-0716	EA		1-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	62.70	17.73
			<i>For Work In Restricted Working Space, Add</i>	13.28	
			<i>For Elevated Installation >15' To 20', Add</i>	8.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0717 EA 2" Intermediate Metal Conduit (IMC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	75.22 14.61 9.74	19.49
26 05 33 13-0718 EA 2-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	105.91 18.26 12.17	24.35
26 05 33 13-0719 EA 3" Intermediate Metal Conduit (IMC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	151.87 24.88 16.58	33.17
26 05 33 13-0720 EA 3-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	215.26 28.06 18.71	37.40
26 05 33 13-0721 EA 4" Intermediate Metal Conduit (IMC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	262.93 36.52 24.34	48.70
26 05 33 13-0722 Intermediate Metal Conduit (IMC) Bushing Sets With Locknut <small>(26 05 33 13-0701)</small>		
26 05 33 13-0723 EA 1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.93 3.44	4.59
26 05 33 13-0724 EA 3/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.00 3.97	0.53
26 05 33 13-0725 EA 1" Intermediate Metal Conduit (IMC) Bushing Set With Locknut..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.06 5.03	6.70
26 05 33 13-0726 EA 1-1/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.00 6.09	8.12
26 05 33 13-0727 EA 1-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.50 6.62	8.82
26 05 33 13-0728 EA 2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.38 8.21	10.94
26 05 33 13-0729 EA 2-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.68 13.24	17.65
26 05 33 13-0730 EA 3" Intermediate Metal Conduit (IMC) Bushing Set With Locknut..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.15 18.00	23.99
26 05 33 13-0731 EA 3-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.65 21.44	28.58
26 05 33 13-0732 EA 4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	107.89 24.88	33.17
26 05 33 13-0733 Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fittings <small>(26 05 33 13-0701)</small>		
<small>Note: 3-Piece coupling.</small>		
26 05 33 13-0734 EA 1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.82 10.60 7.07 10.60	14.11
26 05 33 13-0735 EA 3/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.93 11.83 7.89 11.83	15.79
26 05 33 13-0736 EA 1" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.61 13.18 8.79 13.18	17.56
26 05 33 13-0737 EA 1-1/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.03 14.42 9.61 14.42	19.23
26 05 33 13-0738 EA 1-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.62 15.78 10.52 15.78	21.00
26 05 33 13-0739 EA 2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.02 17.09 11.39 17.09	22.76
26 05 33 13-0740 EA 2-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	156.29 21.17 14.12 21.17	28.23
26 05 33 13-0741 EA 3" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	218.93 26.47 17.64 26.47	35.29
26 05 33 13-0742 EA 3-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	315.89 31.77 21.18 31.77	42.34
26 05 33 13-0743 EA 4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	363.23 34.40 22.93 34.40	45.87

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0744			Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connectors <small>(26 05 33 13-0701)</small>		
26 05 33 13-0745	EA		1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	21.45	7.06
			<i>For Work In Restricted Working Space, Add</i>	5.30	
			<i>For Elevated Installation >15' To 20', Add</i>	3.53	
26 05 33 13-0746	EA		3/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	23.91	7.77
			<i>For Work In Restricted Working Space, Add</i>	5.82	
			<i>For Elevated Installation >15' To 20', Add</i>	3.88	
26 05 33 13-0747	EA		1" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	27.42	8.82
			<i>For Work In Restricted Working Space, Add</i>	6.62	
			<i>For Elevated Installation >15' To 20', Add</i>	4.41	
26 05 33 13-0748	EA		1-1/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	30.89	9.53
			<i>For Work In Restricted Working Space, Add</i>	7.15	
			<i>For Elevated Installation >15' To 20', Add</i>	4.76	
26 05 33 13-0749	EA		1-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	36.33	10.58
			<i>For Work In Restricted Working Space, Add</i>	7.94	
			<i>For Elevated Installation >15' To 20', Add</i>	5.29	
26 05 33 13-0750	EA		2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	43.68	11.65
			<i>For Work In Restricted Working Space, Add</i>	8.73	
			<i>For Elevated Installation >15' To 20', Add</i>	5.82	
26 05 33 13-0751	EA		2-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	58.65	14.11
			<i>For Work In Restricted Working Space, Add</i>	10.59	
			<i>For Elevated Installation >15' To 20', Add</i>	7.06	
26 05 33 13-0752	EA		3" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	72.61	17.65
			<i>For Work In Restricted Working Space, Add</i>	13.23	
			<i>For Elevated Installation >15' To 20', Add</i>	8.82	
26 05 33 13-0753	EA		3-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	87.22	21.18
			<i>For Work In Restricted Working Space, Add</i>	15.88	
			<i>For Elevated Installation >15' To 20', Add</i>	10.59	
26 05 33 13-0754	EA		4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	98.06	22.94
			<i>For Work In Restricted Working Space, Add</i>	17.21	
			<i>For Elevated Installation >15' To 20', Add</i>	11.47	
26 05 33 13-0755			Intermediate Metal Conduit (IMC) Rain Tight Threaded Hubs <small>(26 05 33 13-0701)</small>		
26 05 33 13-0756	EA		1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	19.24	7.06
			<i>For Work In Restricted Working Space, Add</i>	5.30	
			<i>For Elevated Installation >15' To 20', Add</i>	3.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.30	
26 05 33 13-0757	EA		3/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	24.44	8.82
			<i>For Work In Restricted Working Space, Add</i>	6.62	
			<i>For Elevated Installation >15' To 20', Add</i>	4.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.62	
26 05 33 13-0758	EA		1" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	29.98	10.58
			<i>For Work In Restricted Working Space, Add</i>	7.94	
			<i>For Elevated Installation >15' To 20', Add</i>	5.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.94	
26 05 33 13-0759	EA		1-1/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	35.85	12.35
			<i>For Work In Restricted Working Space, Add</i>	9.26	
			<i>For Elevated Installation >15' To 20', Add</i>	6.18	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.26	
26 05 33 13-0760	EA		1-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	41.70	14.11
			<i>For Work In Restricted Working Space, Add</i>	10.59	
			<i>For Elevated Installation >15' To 20', Add</i>	7.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.59	
26 05 33 13-0761	EA		2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	48.96	15.89
			<i>For Work In Restricted Working Space, Add</i>	11.91	
			<i>For Elevated Installation >15' To 20', Add</i>	7.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.91	
26 05 33 13-0762	EA		2-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	59.62	17.65
			<i>For Work In Restricted Working Space, Add</i>	13.23	
			<i>For Elevated Installation >15' To 20', Add</i>	8.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.23	
26 05 33 13-0763	EA		3" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	69.41	19.41
			<i>For Work In Restricted Working Space, Add</i>	14.56	
			<i>For Elevated Installation >15' To 20', Add</i>	9.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.56	
26 05 33 13-0764	EA		3-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	84.43	22.94
			<i>For Work In Restricted Working Space, Add</i>	17.21	
			<i>For Elevated Installation >15' To 20', Add</i>	11.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.21	
26 05 33 13-0765	EA		4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	95.93	24.70
			<i>For Work In Restricted Working Space, Add</i>	18.53	
			<i>For Elevated Installation >15' To 20', Add</i>	12.35	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0766 Intermediate Metal Conduit (IMC) Expansion Fittings <small>(26 05 33 13-0701)</small>		
26 05 33 13-0767 EA 1/2" Intermediate Metal Conduit (IMC) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	103.87 10.59 7.06	14.11
26 05 33 13-0768 EA 3/4" Intermediate Metal Conduit (IMC) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	115.13 11.91 7.94	15.89
26 05 33 13-0769 EA 1" Intermediate Metal Conduit (IMC) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	127.94 13.24 8.82	17.65
26 05 33 13-0770 EA 1-1/4" Intermediate Metal Conduit (IMC) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	153.10 14.56 9.71	19.41
26 05 33 13-0771 EA 1-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	185.57 15.88 10.59	21.18
26 05 33 13-0772 EA 2" Intermediate Metal Conduit (IMC) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	240.25 17.20 11.47	22.94
26 05 33 13-0773 EA 2-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	357.88 21.17 14.12	28.23
26 05 33 13-0774 EA 3" Intermediate Metal Conduit (IMC) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	431.28 26.47 17.64	35.29
26 05 33 13-0775 EA 3-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	595.96 31.76 21.17	42.34
26 05 33 13-0776 EA 4" Intermediate Metal Conduit (IMC) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	686.87 34.40 22.93	45.87
26 05 33 13-0777 Intermediate Metal Conduit (IMC) Sealing Fittings, Vertical/Horizontal <small>(26 05 33 13-0701)</small>		
26 05 33 13-0778 EA 1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.50 13.23 8.82 13.23	22.06
26 05 33 13-0779 EA 3/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.93 15.88 10.59 15.88	26.47
26 05 33 13-0780 EA 1" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101.59 18.53 12.35 18.53	30.88
26 05 33 13-0781 EA 1-1/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	118.94 21.17 14.12 21.17	35.29
26 05 33 13-0782 EA 1-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	152.22 23.82 15.88 23.82	39.70
26 05 33 13-0783 EA 2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	182.56 26.47 17.64 26.47	44.11
26 05 33 13-0784 EA 2-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	252.43 31.76 21.17 31.76	52.94
26 05 33 13-0785 EA 3" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	302.55 37.05 24.70 37.05	61.76
26 05 33 13-0786 EA 3-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	657.52 42.35 28.23 42.35	70.58
26 05 33 13-0787 EA 4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	756.42 47.64 31.76 47.64	79.41
26 05 33 13-0788 Intermediate Metal Conduit (IMC) Threaded Couplings <small>(26 05 33 13-0701)</small>		
26 05 33 13-0789 EA 1/2" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	11.48 3.17 2.12	4.24

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0790	EA		3/4" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	16.09 4.50 3.00	6.00
26 05 33 13-0791	EA		1" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	21.02 5.82 3.88	7.77
26 05 33 13-0792	EA		1-1/4" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	24.10 6.62 4.41	8.82
26 05 33 13-0793	EA		1-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	29.03 7.94 5.29	10.58
26 05 33 13-0794	EA		2" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	33.40 9.00 6.00	12.00
26 05 33 13-0795	EA		2-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	41.01 10.05 6.70	13.41
26 05 33 13-0796	EA		3" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	48.18 11.38 7.59	15.17
26 05 33 13-0797	EA		3-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	55.17 12.44 8.30	16.59
26 05 33 13-0798	EA		4" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	57.90 13.23 8.82	17.65
26 05 33 13-0799			Intermediate Metal Conduit (IMC) Reducer Bushings <small>(26 05 33 13-0701)</small>		
26 05 33 13-0800	EA		1/2" To 3/4" Intermediate Metal Conduit (IMC) Reducing Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	5.42 1.32 0.88	1.76
26 05 33 13-0801	EA		3/4" To 1" Intermediate Metal Conduit (IMC) Reducing Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i>	6.00 1.32 0.88	1.76
26 05 33 13-0802			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit <small>(26 05 33 13-0058)</small> Note: 40 mil polyvinyl chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney). Used in hazardous locations. Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0803			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit <small>(26 05 33 13-0802)</small> Note: Includes field bending for conduit up to 1".		
26 05 33 13-0804	LF		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	11.78 -0.43 -0.73 -1.02 1.23 1.85	2.47
26 05 33 13-0805	LF		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	13.55 -0.50 -0.84 -1.18 1.41 2.12	2.83
26 05 33 13-0806	LF		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	17.23 -0.64 -1.07 -1.50 1.76 2.65	3.53
26 05 33 13-0807	LF		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	21.24 -0.80 -1.33 -1.86 2.12 3.17	4.24
26 05 33 13-0808	LF		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	26.19 -0.98 -1.63 -2.29 2.65 3.97	5.29
26 05 33 13-0809	LF		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	32.78 -1.24 -2.06 -2.88 3.18 4.77	6.35



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0810 LF 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	44.14	7.41
For >250 To 500, Deduct	-1.74	
For >500 To 1,000, Deduct	-2.85	
For >1,000, Deduct	-3.95	
For Elevated Installation >15' To 20', Add	3.71	
For Work In Restricted Working Space, Add	5.56	
26 05 33 13-0811 LF 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	55.24	9.17
For >250 To 500, Deduct	-2.19	
For >500 To 1,000, Deduct	-3.57	
For >1,000, Deduct	-4.95	
For Elevated Installation >15' To 20', Add	4.59	
For Work In Restricted Working Space, Add	6.88	
26 05 33 13-0812 LF 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	67.74	11.29
For >250 To 500, Deduct	-2.68	
For >500 To 1,000, Deduct	-4.37	
For >1,000, Deduct	-6.07	
For Elevated Installation >15' To 20', Add	5.65	
For Work In Restricted Working Space, Add	8.47	
26 05 33 13-0813 LF 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	80.09	13.41
For >250 To 500, Deduct	-3.17	
For >500 To 1,000, Deduct	-5.17	
For >1,000, Deduct	-7.17	
For Elevated Installation >15' To 20', Add	6.70	
For Work In Restricted Working Space, Add	10.06	
26 05 33 13-0814 LF 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	122.23	15.89
For >250 To 500, Deduct	-5.12	
For >500 To 1,000, Deduct	-8.17	
For >1,000, Deduct	-11.23	
For Elevated Installation >15' To 20', Add	7.94	
For Work In Restricted Working Space, Add	11.91	
26 05 33 13-0815 LF 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	166.04	21.18
For >250 To 500, Deduct	-6.98	
For >500 To 1,000, Deduct	-11.13	
For >1,000, Deduct	-15.28	
For Elevated Installation >15' To 20', Add	10.59	
For Work In Restricted Working Space, Add	15.88	
26 05 33 13-0816 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings (26 05 33 13-0802)		
26 05 33 13-0817 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	16.50	5.29
For Elevated Installation >15' To 20', Add	2.12	
For Work In Restricted Working Space, Add	3.17	
26 05 33 13-0818 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	21.19	7.50
For Elevated Installation >15' To 20', Add	3.00	
For Work In Restricted Working Space, Add	4.50	
26 05 33 13-0819 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	27.46	9.70
For Elevated Installation >15' To 20', Add	3.88	
For Work In Restricted Working Space, Add	5.82	
26 05 33 13-0820 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	31.45	11.02
For Elevated Installation >15' To 20', Add	4.41	
For Work In Restricted Working Space, Add	6.62	
26 05 33 13-0821 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	37.63	13.23
For Elevated Installation >15' To 20', Add	5.29	
For Work In Restricted Working Space, Add	7.94	
26 05 33 13-0822 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	46.34	14.99
For Elevated Installation >15' To 20', Add	6.00	
For Work In Restricted Working Space, Add	9.00	
26 05 33 13-0823 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	73.96	14.99
For Elevated Installation >15' To 20', Add	6.70	
For Work In Restricted Working Space, Add	10.06	
26 05 33 13-0824 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	87.04	20.74
For Elevated Installation >15' To 20', Add	7.59	
For Work In Restricted Working Space, Add	11.38	
26 05 33 13-0825 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	104.47	20.74
For Elevated Installation >15' To 20', Add	8.29	
For Work In Restricted Working Space, Add	12.44	
26 05 33 13-0826 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	117.78	22.06
For Elevated Installation >15' To 20', Add	8.82	
For Work In Restricted Working Space, Add	13.23	
26 05 33 13-0827 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	293.00	26.47
For Elevated Installation >15' To 20', Add	10.59	
For Work In Restricted Working Space, Add	15.88	
26 05 33 13-0828 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	329.92	30.88
For Elevated Installation >15' To 20', Add	12.35	
For Work In Restricted Working Space, Add	18.53	
26 05 33 13-0829 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows (26 05 33 13-0802)		
Note: 90, 45, or 30 degree.		
26 05 33 13-0830 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	49.42	14.33
For Elevated Installation >15' To 20', Add	5.73	
For Work In Restricted Working Space, Add	8.60	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0831	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	57.10	17.78
			<i>For Elevated Installation >15' To 20', Add</i>	7.11	
			<i>For Work In Restricted Working Space, Add</i>	10.67	
26 05 33 13-0832	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	68.29	21.79
			<i>For Elevated Installation >15' To 20', Add</i>	8.72	
			<i>For Work In Restricted Working Space, Add</i>	13.08	
26 05 33 13-0833	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	80.81	25.24
			<i>For Elevated Installation >15' To 20', Add</i>	10.09	
			<i>For Work In Restricted Working Space, Add</i>	15.14	
26 05 33 13-0834	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	94.65	28.67
			<i>For Elevated Installation >15' To 20', Add</i>	11.47	
			<i>For Work In Restricted Working Space, Add</i>	17.21	
26 05 33 13-0835	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	115.14	31.54
			<i>For Elevated Installation >15' To 20', Add</i>	12.62	
			<i>For Work In Restricted Working Space, Add</i>	18.92	
26 05 33 13-0836	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	177.21	39.57
			<i>For Elevated Installation >15' To 20', Add</i>	15.83	
			<i>For Work In Restricted Working Space, Add</i>	23.74	
26 05 33 13-0837	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	264.54	53.91
			<i>For Elevated Installation >15' To 20', Add</i>	21.56	
			<i>For Work In Restricted Working Space, Add</i>	32.34	
26 05 33 13-0838	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	327.22	60.78
			<i>For Elevated Installation >15' To 20', Add</i>	24.31	
			<i>For Work In Restricted Working Space, Add</i>	36.47	
26 05 33 13-0839	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	375.66	79.13
			<i>For Elevated Installation >15' To 20', Add</i>	31.65	
			<i>For Work In Restricted Working Space, Add</i>	47.48	
26 05 33 13-0840	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	781.93	129.02
			<i>For Elevated Installation >15' To 20', Add</i>	51.61	
			<i>For Work In Restricted Working Space, Add</i>	77.42	
26 05 33 13-0841	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	1,229.75	193.83
			<i>For Elevated Installation >15' To 20', Add</i>	77.53	
			<i>For Work In Restricted Working Space, Add</i>	116.30	
26 05 33 13-0842			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows <small>(26 05 33 13-0802)</small>		
26 05 33 13-0843	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	117.19	21.79
			<i>For Elevated Installation >15' To 20', Add</i>	8.72	
			<i>For Work In Restricted Working Space, Add</i>	13.08	
26 05 33 13-0844	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	131.87	25.24
			<i>For Elevated Installation >15' To 20', Add</i>	10.09	
			<i>For Work In Restricted Working Space, Add</i>	15.14	
26 05 33 13-0845	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	150.55	28.67
			<i>For Elevated Installation >15' To 20', Add</i>	11.47	
			<i>For Work In Restricted Working Space, Add</i>	17.21	
26 05 33 13-0846	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	179.63	31.54
			<i>For Elevated Installation >15' To 20', Add</i>	12.62	
			<i>For Work In Restricted Working Space, Add</i>	18.92	
26 05 33 13-0847	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	250.21	39.57
			<i>For Elevated Installation >15' To 20', Add</i>	15.83	
			<i>For Work In Restricted Working Space, Add</i>	23.74	
26 05 33 13-0848			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows <small>(26 05 33 13-0802)</small>		
26 05 33 13-0849	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	130.41	21.79
			<i>For Elevated Installation >15' To 20', Add</i>	8.72	
			<i>For Work In Restricted Working Space, Add</i>	13.08	
26 05 33 13-0850	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	153.72	25.24
			<i>For Elevated Installation >15' To 20', Add</i>	10.09	
			<i>For Work In Restricted Working Space, Add</i>	15.14	
26 05 33 13-0851	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	166.21	28.67
			<i>For Elevated Installation >15' To 20', Add</i>	11.47	
			<i>For Work In Restricted Working Space, Add</i>	17.21	
26 05 33 13-0852	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	213.80	31.54
			<i>For Elevated Installation >15' To 20', Add</i>	12.62	
			<i>For Work In Restricted Working Space, Add</i>	18.92	
26 05 33 13-0853	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	283.15	39.57
			<i>For Elevated Installation >15' To 20', Add</i>	15.83	
			<i>For Work In Restricted Working Space, Add</i>	23.74	
26 05 33 13-0854	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	362.24	53.91
			<i>For Elevated Installation >15' To 20', Add</i>	21.56	
			<i>For Work In Restricted Working Space, Add</i>	32.34	
26 05 33 13-0855			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows <small>(26 05 33 13-0802)</small>		
26 05 33 13-0856	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	146.23	21.79
			<i>For Elevated Installation >15' To 20', Add</i>	8.72	
			<i>For Work In Restricted Working Space, Add</i>	13.08	
26 05 33 13-0857	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	165.10	25.24
			<i>For Elevated Installation >15' To 20', Add</i>	10.09	
			<i>For Work In Restricted Working Space, Add</i>	15.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0858 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow..... <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	186.31 11.47 17.21	28.67
26 05 33 13-0859 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow..... <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	225.13 12.62 18.92	31.54
26 05 33 13-0860 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow..... <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	321.01 15.83 23.74	39.57
26 05 33 13-0861 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow..... <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	406.68 21.56 32.34	53.91
26 05 33 13-0862 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow..... <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	513.35 24.31 36.47	60.78
26 05 33 13-0863 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow..... <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	578.44 31.65 47.48	79.13
 26 05 33 13-0864 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows <small>(26 05 33 13-0802)</small>		
26 05 33 13-0865 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	173.54 8.72 13.08	21.79
26 05 33 13-0866 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	191.81 10.09 15.14	25.24
26 05 33 13-0867 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	216.65 11.47 17.21	28.67
26 05 33 13-0868 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	268.81 12.62 18.92	31.54
26 05 33 13-0869 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	388.76 15.83 23.74	39.57
26 05 33 13-0870 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	481.98 21.56 32.34	53.91
26 05 33 13-0871 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	559.33 24.31 36.47	60.78
26 05 33 13-0872 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	662.84 31.65 47.48	79.13
 26 05 33 13-0873 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows <small>(26 05 33 13-0802)</small>		
26 05 33 13-0874 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	194.79 8.72 13.08	21.79
26 05 33 13-0875 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	216.68 10.09 15.14	25.24
26 05 33 13-0876 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	246.50 11.47 17.21	28.67
26 05 33 13-0877 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	306.83 12.62 18.92	31.54
26 05 33 13-0878 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	425.73 15.83 23.74	39.57
26 05 33 13-0879 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	542.21 21.56 32.34	53.91
26 05 33 13-0880 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	671.11 24.31 36.47	60.78
26 05 33 13-0881 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	740.32 31.65 47.48	79.13
26 05 33 13-0882 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,234.26 51.61 77.42	129.02
 26 05 33 13-0883 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows <small>(26 05 33 13-0802)</small>		
26 05 33 13-0884 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow..... <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	222.58 8.72 13.08	21.79

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0885	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	246.72 10.09 15.14	25.24
26 05 33 13-0886	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	279.22 11.47 17.21	28.67
26 05 33 13-0887	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	348.99 12.62 18.92	31.54
26 05 33 13-0888	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	487.32 15.83 23.74	39.57
26 05 33 13-0889	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	618.95 21.56 32.34	53.91
26 05 33 13-0890	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	727.13 24.31 36.47	60.78
26 05 33 13-0891	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	840.35 31.65 47.48	79.13
26 05 33 13-0892	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,304.36 51.61 77.42	129.02
26 05 33 13-0893	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,783.66 77.53 116.30	193.83
26 05 33 13-0894 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows (26 05 33 13-0802)					
26 05 33 13-0895	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	261.27 8.72 13.08	21.79
26 05 33 13-0896	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	273.51 10.09 15.14	25.24
26 05 33 13-0897	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	323.02 11.47 17.21	28.67
26 05 33 13-0898	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	407.69 12.62 18.92	31.54
26 05 33 13-0899	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	570.38 15.83 23.74	39.57
26 05 33 13-0900	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	722.40 21.56 32.34	53.91
26 05 33 13-0901	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	882.85 24.31 36.47	60.78
26 05 33 13-0902	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,034.93 31.65 47.48	79.13
26 05 33 13-0903	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,533.01 51.61 77.42	129.02
26 05 33 13-0904	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,888.61 77.53 116.30	193.83
26 05 33 13-0905 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows (26 05 33 13-0802)					
26 05 33 13-0906	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	270.59 8.72 13.08	21.79
26 05 33 13-0907	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	318.81 10.09 15.14	25.24
26 05 33 13-0908	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	360.89 11.47 17.21	28.67
26 05 33 13-0909	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	425.35 12.62 18.92	31.54
26 05 33 13-0910	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	591.13 15.83 23.74	39.57
26 05 33 13-0911	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	754.21 21.56 32.34	53.91



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0912 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	967.66	60.78
<i>For Elevated Installation >15' To 20', Add</i>	24.31	
<i>For Work In Restricted Working Space, Add</i>	36.47	
26 05 33 13-0913 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	1,079.06	79.13
<i>For Elevated Installation >15' To 20', Add</i>	31.65	
<i>For Work In Restricted Working Space, Add</i>	47.48	
26 05 33 13-0914 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	1,594.44	129.02
<i>For Elevated Installation >15' To 20', Add</i>	51.61	
<i>For Work In Restricted Working Space, Add</i>	77.42	
26 05 33 13-0915 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	1,941.94	193.83
<i>For Elevated Installation >15' To 20', Add</i>	77.53	
<i>For Work In Restricted Working Space, Add</i>	116.30	
26 05 33 13-0916 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fittings <small>(26 05 33 13-0802)</small>		
26 05 33 13-0917 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	98.43	14.33
<i>For Elevated Installation >15' To 20', Add</i>	5.73	
<i>For Work In Restricted Working Space, Add</i>	8.60	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.60	
26 05 33 13-0918 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	120.11	18.92
<i>For Elevated Installation >15' To 20', Add</i>	7.57	
<i>For Work In Restricted Working Space, Add</i>	11.35	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.35	
26 05 33 13-0919 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	161.08	21.79
<i>For Elevated Installation >15' To 20', Add</i>	8.72	
<i>For Work In Restricted Working Space, Add</i>	13.08	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.08	
26 05 33 13-0920 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	267.40	25.24
<i>For Elevated Installation >15' To 20', Add</i>	10.09	
<i>For Work In Restricted Working Space, Add</i>	15.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.14	
26 05 33 13-0921 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	295.04	28.67
<i>For Elevated Installation >15' To 20', Add</i>	11.47	
<i>For Work In Restricted Working Space, Add</i>	17.21	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.21	
26 05 33 13-0922 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	374.05	31.54
<i>For Elevated Installation >15' To 20', Add</i>	12.62	
<i>For Work In Restricted Working Space, Add</i>	18.92	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.92	
26 05 33 13-0923 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	1,031.71	39.57
<i>For Elevated Installation >15' To 20', Add</i>	15.83	
<i>For Work In Restricted Working Space, Add</i>	23.74	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.74	
26 05 33 13-0924 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	1,229.59	53.91
<i>For Elevated Installation >15' To 20', Add</i>	21.56	
<i>For Work In Restricted Working Space, Add</i>	32.35	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.35	
26 05 33 13-0925 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	1,631.71	79.13
<i>For Elevated Installation >15' To 20', Add</i>	31.65	
<i>For Work In Restricted Working Space, Add</i>	47.48	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.48	
26 05 33 13-0926 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fittings <small>(26 05 33 13-0802)</small>		
26 05 33 13-0927 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	94.19	14.33
<i>For Elevated Installation >15' To 20', Add</i>	5.73	
<i>For Work In Restricted Working Space, Add</i>	8.60	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.60	
26 05 33 13-0928 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	115.32	18.92
<i>For Elevated Installation >15' To 20', Add</i>	7.57	
<i>For Work In Restricted Working Space, Add</i>	11.35	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.35	
26 05 33 13-0929 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	161.08	21.79
<i>For Elevated Installation >15' To 20', Add</i>	8.72	
<i>For Work In Restricted Working Space, Add</i>	13.08	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.08	
26 05 33 13-0930 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	264.93	25.24
<i>For Elevated Installation >15' To 20', Add</i>	10.09	
<i>For Work In Restricted Working Space, Add</i>	15.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.14	
26 05 33 13-0931 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	285.09	28.67
<i>For Elevated Installation >15' To 20', Add</i>	11.47	
<i>For Work In Restricted Working Space, Add</i>	17.21	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.21	
26 05 33 13-0932 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	374.17	31.54
<i>For Elevated Installation >15' To 20', Add</i>	12.62	
<i>For Work In Restricted Working Space, Add</i>	18.92	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.92	

26 Electrical
26 05 Common Work Results For Electrical
26 05 33 Raceway And Boxes For Electrical Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0933 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	989.29	39.57
For Elevated Installation >15' To 20', Add	15.83	
For Work In Restricted Working Space, Add	23.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.74	
26 05 33 13-0934 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	1,198.64	53.91
For Elevated Installation >15' To 20', Add	21.56	
For Work In Restricted Working Space, Add	32.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.35	
26 05 33 13-0935 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	1,631.64	79.13
For Elevated Installation >15' To 20', Add	31.65	
For Work In Restricted Working Space, Add	47.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.48	
26 05 33 13-0936 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fittings <small>(26 05 33 13-0802)</small>		
26 05 33 13-0937 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	84.80	14.33
For Elevated Installation >15' To 20', Add	5.73	
For Work In Restricted Working Space, Add	8.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.60	
26 05 33 13-0938 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	101.06	18.92
For Elevated Installation >15' To 20', Add	7.57	
For Work In Restricted Working Space, Add	11.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.35	
26 05 33 13-0939 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	119.42	21.79
For Elevated Installation >15' To 20', Add	8.72	
For Work In Restricted Working Space, Add	13.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.08	
26 05 33 13-0940 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	171.18	25.24
For Elevated Installation >15' To 20', Add	10.09	
For Work In Restricted Working Space, Add	15.14	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.14	
26 05 33 13-0941 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	200.19	28.67
For Elevated Installation >15' To 20', Add	11.47	
For Work In Restricted Working Space, Add	17.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.21	
26 05 33 13-0942 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	312.82	31.54
For Elevated Installation >15' To 20', Add	12.62	
For Work In Restricted Working Space, Add	18.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.92	
26 05 33 13-0943 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	871.13	39.57
For Elevated Installation >15' To 20', Add	15.83	
For Work In Restricted Working Space, Add	23.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.74	
26 05 33 13-0944 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	977.94	53.91
For Elevated Installation >15' To 20', Add	21.56	
For Work In Restricted Working Space, Add	32.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.35	
26 05 33 13-0945 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	1,246.01	79.13
For Elevated Installation >15' To 20', Add	31.65	
For Work In Restricted Working Space, Add	47.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.48	
26 05 33 13-0946 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fittings <small>(26 05 33 13-0802)</small>		
26 05 33 13-0947 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	147.62	14.33
For Elevated Installation >15' To 20', Add	5.73	
For Work In Restricted Working Space, Add	8.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.60	
26 05 33 13-0948 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	223.23	18.92
For Elevated Installation >15' To 20', Add	7.57	
For Work In Restricted Working Space, Add	11.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.35	
26 05 33 13-0949 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	281.20	21.79
For Elevated Installation >15' To 20', Add	8.72	
For Work In Restricted Working Space, Add	13.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.08	
26 05 33 13-0950 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	324.56	25.24
For Elevated Installation >15' To 20', Add	10.09	
For Work In Restricted Working Space, Add	15.14	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.14	
26 05 33 13-0951 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	368.61	28.67
For Elevated Installation >15' To 20', Add	11.47	
For Work In Restricted Working Space, Add	17.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0952 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	486.80	31.54
<i>For Elevated Installation >15' To 20', Add</i>	12.62	
<i>For Work In Restricted Working Space, Add</i>	18.92	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.92	
26 05 33 13-0953 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	1,548.20	39.57
<i>For Elevated Installation >15' To 20', Add</i>	15.83	
<i>For Work In Restricted Working Space, Add</i>	23.74	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.74	
26 05 33 13-0954 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	1,805.61	53.91
<i>For Elevated Installation >15' To 20', Add</i>	21.56	
<i>For Work In Restricted Working Space, Add</i>	32.35	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.35	
26 05 33 13-0955 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	2,216.50	79.13
<i>For Elevated Installation >15' To 20', Add</i>	31.65	
<i>For Work In Restricted Working Space, Add</i>	47.48	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.48	
26 05 33 13-0956 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fittings <small>(26 05 33 13-0802)</small>		
26 05 33 13-0957 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	164.29	14.33
<i>For Elevated Installation >15' To 20', Add</i>	5.73	
<i>For Work In Restricted Working Space, Add</i>	8.60	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.60	
26 05 33 13-0958 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	238.97	18.92
<i>For Elevated Installation >15' To 20', Add</i>	7.57	
<i>For Work In Restricted Working Space, Add</i>	11.35	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.35	
26 05 33 13-0959 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	284.20	21.79
<i>For Elevated Installation >15' To 20', Add</i>	8.72	
<i>For Work In Restricted Working Space, Add</i>	13.08	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.08	
26 05 33 13-0960 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	329.50	25.24
<i>For Elevated Installation >15' To 20', Add</i>	10.09	
<i>For Work In Restricted Working Space, Add</i>	15.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.14	
26 05 33 13-0961 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	382.15	28.67
<i>For Elevated Installation >15' To 20', Add</i>	11.47	
<i>For Work In Restricted Working Space, Add</i>	17.21	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.21	
26 05 33 13-0962 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	605.77	31.54
<i>For Elevated Installation >15' To 20', Add</i>	12.62	
<i>For Work In Restricted Working Space, Add</i>	18.92	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.92	
26 05 33 13-0963 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	1,727.71	39.57
<i>For Elevated Installation >15' To 20', Add</i>	15.83	
<i>For Work In Restricted Working Space, Add</i>	23.74	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.74	
26 05 33 13-0964 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	2,432.35	53.91
<i>For Elevated Installation >15' To 20', Add</i>	21.56	
<i>For Work In Restricted Working Space, Add</i>	32.35	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.35	
26 05 33 13-0965 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	2,533.77	79.13
<i>For Elevated Installation >15' To 20', Add</i>	31.65	
<i>For Work In Restricted Working Space, Add</i>	47.48	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.48	
26 05 33 13-0966 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fittings <small>(26 05 33 13-0802)</small>		
26 05 33 13-0967 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	129.24	14.33
<i>For Elevated Installation >15' To 20', Add</i>	5.73	
<i>For Work In Restricted Working Space, Add</i>	8.60	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.60	
26 05 33 13-0968 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	162.85	18.92
<i>For Elevated Installation >15' To 20', Add</i>	7.57	
<i>For Work In Restricted Working Space, Add</i>	11.35	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.35	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0969	EA	1"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	195.36 8.72 13.08 13.08	21.79
26 05 33 13-0970	EA	1-1/4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	216.18 10.09 15.14 15.14	25.24
26 05 33 13-0971	EA	1-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	292.54 11.47 17.21 17.21	28.67
26 05 33 13-0972	EA	2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	415.88 12.62 18.92 18.92	31.54
26 05 33 13-0973	EA	2-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,399.51 15.83 23.74 23.74	39.57
26 05 33 13-0974	EA	3"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,573.12 21.56 32.35 32.35	53.91
26 05 33 13-0975	EA	4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,865.47 31.65 47.48 47.48	79.13
26 05 33 13-0976			Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <small>(26 05 33 13-0802)</small> Note: Suitable for use in hazardous locations. Class I, Div 2.		
26 05 33 13-0977	EA	1/2"	Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	113.15 11.01 16.52 16.52	27.52
26 05 33 13-0978	EA	3/4"	Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	127.50 12.62 18.92 18.92	31.54
26 05 33 13-0979	EA	1"	Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	158.46 14.45 21.68 21.68	36.13
26 05 33 13-0980	EA	1-1/4"	Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	208.85 16.74 25.12 25.12	41.86
26 05 33 13-0981	EA	1-1/2"	Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	244.55 18.35 27.53 27.53	45.87
26 05 33 13-0982	EA	2"	Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	335.37 22.02 33.03 33.03	55.05
26 05 33 13-0983	EA	2-1/2"	Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	568.26 30.97 46.45 46.45	77.41
26 05 33 13-0984	EA	3"	Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	726.50 41.29 61.94 61.94	103.22
26 05 33 13-0985	EA	3-1/2"	Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,013.63 51.61 77.42 77.42	129.02



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0986 EA 4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,161.20	157.13
<i>For Elevated Installation >15' To 20', Add</i>	62.85	
<i>For Work In Restricted Working Space, Add</i>	94.28	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.28	
26 05 33 13-0987 Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <small>(26 05 33 13-0802)</small>		
Note: Suitable for use in hazardous locations. Class I, Div 2.		
26 05 33 13-0988 EA 1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	147.79	36.13
<i>For Elevated Installation >15' To 20', Add</i>	14.45	
<i>For Work In Restricted Working Space, Add</i>	21.68	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.68	
26 05 33 13-0989 EA 3/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	168.73	40.14
<i>For Elevated Installation >15' To 20', Add</i>	16.06	
<i>For Work In Restricted Working Space, Add</i>	24.08	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.08	
26 05 33 13-0990 EA 1" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	207.44	44.16
<i>For Elevated Installation >15' To 20', Add</i>	17.66	
<i>For Work In Restricted Working Space, Add</i>	26.49	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.49	
26 05 33 13-0991 EA 1-1/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	281.44	50.46
<i>For Elevated Installation >15' To 20', Add</i>	20.18	
<i>For Work In Restricted Working Space, Add</i>	30.28	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.28	
26 05 33 13-0992 EA 1-1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	333.87	55.05
<i>For Elevated Installation >15' To 20', Add</i>	22.02	
<i>For Work In Restricted Working Space, Add</i>	33.03	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.03	
26 05 33 13-0993 EA 2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	456.76	67.67
<i>For Elevated Installation >15' To 20', Add</i>	27.07	
<i>For Work In Restricted Working Space, Add</i>	40.60	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.60	
26 05 33 13-0994 Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <small>(26 05 33 13-0802)</small>		
Note: Suitable for use in hazardous locations. Class I, Div 2.		
26 05 33 13-0995 EA 1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	130.14	31.54
<i>For Elevated Installation >15' To 20', Add</i>	12.62	
<i>For Work In Restricted Working Space, Add</i>	18.92	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.92	
26 05 33 13-0996 EA 3/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	148.29	36.70
<i>For Elevated Installation >15' To 20', Add</i>	14.68	
<i>For Work In Restricted Working Space, Add</i>	22.02	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.02	
26 05 33 13-0997 EA 1" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	180.62	40.14
<i>For Elevated Installation >15' To 20', Add</i>	16.06	
<i>For Work In Restricted Working Space, Add</i>	24.08	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.08	
26 05 33 13-0998 EA 1-1/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	233.01	45.87
<i>For Elevated Installation >15' To 20', Add</i>	18.35	
<i>For Work In Restricted Working Space, Add</i>	27.53	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.53	
26 05 33 13-0999 EA 1-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	277.33	50.46
<i>For Elevated Installation >15' To 20', Add</i>	20.19	
<i>For Work In Restricted Working Space, Add</i>	30.28	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.28	
26 05 33 13-1000 EA 2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	374.29	59.06
<i>For Elevated Installation >15' To 20', Add</i>	23.63	
<i>For Work In Restricted Working Space, Add</i>	35.44	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.44	
26 05 33 13-1001 EA 2-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	604.74	86.02
<i>For Elevated Installation >15' To 20', Add</i>	34.41	
<i>For Work In Restricted Working Space, Add</i>	51.61	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.61	
26 05 33 13-1002 EA 3" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	801.05	111.83
<i>For Elevated Installation >15' To 20', Add</i>	44.73	
<i>For Work In Restricted Working Space, Add</i>	67.09	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.09	
26 05 33 13-1003 EA 3-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,105.17	137.62
<i>For Elevated Installation >15' To 20', Add</i>	55.05	
<i>For Work In Restricted Working Space, Add</i>	82.58	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	82.58	
26 05 33 13-1004 EA 4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,231.82	165.73
<i>For Elevated Installation >15' To 20', Add</i>	66.29	
<i>For Work In Restricted Working Space, Add</i>	99.44	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.44	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1005			Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined <small>(26 05 33 13-0802)</small>		
26 05 33 13-1006	EA		1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	27.49	3.44
			<i>For Elevated Installation >15' To 20', Add</i>	1.38	
			<i>For Work In Restricted Working Space, Add</i>	2.07	
26 05 33 13-1007	EA		3/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	30.79	4.02
			<i>For Elevated Installation >15' To 20', Add</i>	1.61	
			<i>For Work In Restricted Working Space, Add</i>	2.41	
26 05 33 13-1008	EA		1" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	40.17	5.16
			<i>For Elevated Installation >15' To 20', Add</i>	2.06	
			<i>For Work In Restricted Working Space, Add</i>	3.10	
26 05 33 13-1009	EA		1-1/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	51.77	6.30
			<i>For Elevated Installation >15' To 20', Add</i>	2.52	
			<i>For Work In Restricted Working Space, Add</i>	3.79	
26 05 33 13-1010	EA		1-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	57.84	7.46
			<i>For Elevated Installation >15' To 20', Add</i>	2.98	
			<i>For Work In Restricted Working Space, Add</i>	4.47	
26 05 33 13-1011	EA		2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	71.79	8.60
			<i>For Elevated Installation >15' To 20', Add</i>	3.44	
			<i>For Work In Restricted Working Space, Add</i>	5.16	
26 05 33 13-1012	EA		2-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	93.28	9.75
			<i>For Elevated Installation >15' To 20', Add</i>	3.90	
			<i>For Work In Restricted Working Space, Add</i>	5.85	
26 05 33 13-1013	EA		3" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	101.31	13.76
			<i>For Elevated Installation >15' To 20', Add</i>	5.50	
			<i>For Work In Restricted Working Space, Add</i>	8.26	
26 05 33 13-1014	EA		3-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	123.49	15.48
			<i>For Elevated Installation >15' To 20', Add</i>	6.19	
			<i>For Work In Restricted Working Space, Add</i>	9.29	
26 05 33 13-1015	EA		4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	131.52	19.49
			<i>For Elevated Installation >15' To 20', Add</i>	7.80	
			<i>For Work In Restricted Working Space, Add</i>	11.70	
26 05 33 13-1016			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Bodies <small>(26 05 33 13-0802)</small>		
26 05 33 13-1017	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	128.77	27.52
			<i>For Elevated Installation >15' To 20', Add</i>	11.01	
			<i>For Work In Restricted Working Space, Add</i>	16.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.52	
26 05 33 13-1018	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	142.36	31.54
			<i>For Elevated Installation >15' To 20', Add</i>	12.62	
			<i>For Work In Restricted Working Space, Add</i>	18.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.92	
26 05 33 13-1019	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	166.44	36.13
			<i>For Elevated Installation >15' To 20', Add</i>	14.45	
			<i>For Work In Restricted Working Space, Add</i>	21.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.68	
26 05 33 13-1020	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	197.78	41.86
			<i>For Elevated Installation >15' To 20', Add</i>	16.74	
			<i>For Work In Restricted Working Space, Add</i>	25.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.12	
26 05 33 13-1021	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	247.67	45.87
			<i>For Elevated Installation >15' To 20', Add</i>	18.35	
			<i>For Work In Restricted Working Space, Add</i>	27.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.53	
26 05 33 13-1022	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	300.28	55.05
			<i>For Elevated Installation >15' To 20', Add</i>	22.02	
			<i>For Work In Restricted Working Space, Add</i>	33.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.03	
26 05 33 13-1023	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	435.40	77.41
			<i>For Elevated Installation >15' To 20', Add</i>	30.97	
			<i>For Work In Restricted Working Space, Add</i>	46.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.45	
26 05 33 13-1024	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	557.35	103.22
			<i>For Elevated Installation >15' To 20', Add</i>	41.29	
			<i>For Work In Restricted Working Space, Add</i>	61.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.93	
26 05 33 13-1025	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	1,133.42	129.02
			<i>For Elevated Installation >15' To 20', Add</i>	51.61	
			<i>For Work In Restricted Working Space, Add</i>	77.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.42	
26 05 33 13-1026	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	1,667.38	157.13
			<i>For Elevated Installation >15' To 20', Add</i>	62.85	
			<i>For Work In Restricted Working Space, Add</i>	94.28	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.28	
26 05 33 13-1027			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Bodies <small>(26 05 33 13-0802)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1028 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body 224.72	224.72	27.52
<i>For Elevated Installation >15' To 20', Add</i>	11.01	
<i>For Work In Restricted Working Space, Add</i>	16.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.52	
26 05 33 13-1029 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body 241.57	241.57	31.54
<i>For Elevated Installation >15' To 20', Add</i>	12.62	
<i>For Work In Restricted Working Space, Add</i>	18.92	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.92	
26 05 33 13-1030 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body 275.83	275.83	36.13
<i>For Elevated Installation >15' To 20', Add</i>	14.45	
<i>For Work In Restricted Working Space, Add</i>	21.68	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.68	
26 05 33 13-1031 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body 308.42	308.42	41.86
<i>For Elevated Installation >15' To 20', Add</i>	16.74	
<i>For Work In Restricted Working Space, Add</i>	25.12	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.12	
26 05 33 13-1032 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body 375.03	375.03	45.87
<i>For Elevated Installation >15' To 20', Add</i>	18.35	
<i>For Work In Restricted Working Space, Add</i>	27.53	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.53	
26 05 33 13-1033 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body 421.43	421.43	55.05
<i>For Elevated Installation >15' To 20', Add</i>	22.02	
<i>For Work In Restricted Working Space, Add</i>	33.03	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.03	
26 05 33 13-1034 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body 592.92	592.92	77.41
<i>For Elevated Installation >15' To 20', Add</i>	30.97	
<i>For Work In Restricted Working Space, Add</i>	46.45	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.45	
26 05 33 13-1035 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body 827.11	827.11	103.22
<i>For Elevated Installation >15' To 20', Add</i>	41.29	
<i>For Work In Restricted Working Space, Add</i>	61.93	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.93	
26 05 33 13-1036 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body 1,211.76	1,211.76	129.02
<i>For Elevated Installation >15' To 20', Add</i>	51.61	
<i>For Work In Restricted Working Space, Add</i>	77.42	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.42	
26 05 33 13-1037 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body 1,769.90	1,769.90	157.13
<i>For Elevated Installation >15' To 20', Add</i>	62.85	
<i>For Work In Restricted Working Space, Add</i>	94.28	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.28	
26 05 33 13-1038 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Bodies <small>(26 05 33 13-0802)</small>		
26 05 33 13-1039 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body 178.53	178.53	27.52
<i>For Elevated Installation >15' To 20', Add</i>	11.01	
<i>For Work In Restricted Working Space, Add</i>	16.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.52	
26 05 33 13-1040 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body 189.84	189.84	31.54
<i>For Elevated Installation >15' To 20', Add</i>	12.62	
<i>For Work In Restricted Working Space, Add</i>	18.92	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.92	
26 05 33 13-1041 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body 218.14	218.14	36.13
<i>For Elevated Installation >15' To 20', Add</i>	14.45	
<i>For Work In Restricted Working Space, Add</i>	21.68	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.68	
26 05 33 13-1042 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body 242.99	242.99	41.86
<i>For Elevated Installation >15' To 20', Add</i>	16.74	
<i>For Work In Restricted Working Space, Add</i>	25.12	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.12	
26 05 33 13-1043 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body 336.93	336.93	45.87
<i>For Elevated Installation >15' To 20', Add</i>	18.35	
<i>For Work In Restricted Working Space, Add</i>	27.53	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.53	
26 05 33 13-1044 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body 423.73	423.73	55.05
<i>For Elevated Installation >15' To 20', Add</i>	22.02	
<i>For Work In Restricted Working Space, Add</i>	33.03	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.03	
26 05 33 13-1045 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body 659.91	659.91	77.41
<i>For Elevated Installation >15' To 20', Add</i>	30.97	
<i>For Work In Restricted Working Space, Add</i>	46.45	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.45	
26 05 33 13-1046 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body 963.41	963.41	103.22
<i>For Elevated Installation >15' To 20', Add</i>	41.29	
<i>For Work In Restricted Working Space, Add</i>	61.93	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.93	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1047	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	1,211.76	129.02
			<i>For Elevated Installation >15' To 20', Add</i>	51.61	
			<i>For Work In Restricted Working Space, Add</i>	77.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.42	
26 05 33 13-1048 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Bodies <small>(26 05 33 13-0802)</small>					
26 05 33	13-1049	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	238.28	27.52
			<i>For Elevated Installation >15' To 20', Add</i>	11.01	
			<i>For Work In Restricted Working Space, Add</i>	16.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.52	
26 05 33	13-1050	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	264.18	31.54
			<i>For Elevated Installation >15' To 20', Add</i>	12.62	
			<i>For Work In Restricted Working Space, Add</i>	18.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.92	
26 05 33	13-1051	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	328.15	36.13
			<i>For Elevated Installation >15' To 20', Add</i>	14.45	
			<i>For Work In Restricted Working Space, Add</i>	21.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.68	
26 05 33	13-1052	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	405.19	41.86
			<i>For Elevated Installation >15' To 20', Add</i>	16.74	
			<i>For Work In Restricted Working Space, Add</i>	25.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.12	
26 05 33	13-1053	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	566.09	45.87
			<i>For Elevated Installation >15' To 20', Add</i>	18.35	
			<i>For Work In Restricted Working Space, Add</i>	27.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.53	
26 05 33	13-1054	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	678.43	55.05
			<i>For Elevated Installation >15' To 20', Add</i>	22.02	
			<i>For Work In Restricted Working Space, Add</i>	33.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.03	
26 05 33 13-1055 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Couplings <small>(26 05 33 13-0802)</small>					
26 05 33	13-1056	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	44.51	11.02
			<i>For Elevated Installation >15' To 20', Add</i>	4.41	
			<i>For Work In Restricted Working Space, Add</i>	6.62	
26 05 33	13-1057	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	59.36	13.23
			<i>For Elevated Installation >15' To 20', Add</i>	5.29	
			<i>For Work In Restricted Working Space, Add</i>	7.94	
26 05 33	13-1058	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	75.23	17.65
			<i>For Elevated Installation >15' To 20', Add</i>	7.06	
			<i>For Work In Restricted Working Space, Add</i>	10.59	
26 05 33	13-1059	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	104.05	22.06
			<i>For Elevated Installation >15' To 20', Add</i>	8.82	
			<i>For Work In Restricted Working Space, Add</i>	13.23	
26 05 33	13-1060	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	137.15	26.47
			<i>For Elevated Installation >15' To 20', Add</i>	10.59	
			<i>For Work In Restricted Working Space, Add</i>	15.88	
26 05 33	13-1061	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	239.81	30.88
			<i>For Elevated Installation >15' To 20', Add</i>	12.35	
			<i>For Work In Restricted Working Space, Add</i>	18.53	
26 05 33	13-1062	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	350.91	35.29
			<i>For Elevated Installation >15' To 20', Add</i>	14.12	
			<i>For Work In Restricted Working Space, Add</i>	21.17	
26 05 33	13-1063	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	438.90	39.70
			<i>For Elevated Installation >15' To 20', Add</i>	15.88	
			<i>For Work In Restricted Working Space, Add</i>	23.82	
26 05 33	13-1064	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	613.16	46.31
			<i>For Elevated Installation >15' To 20', Add</i>	18.53	
			<i>For Work In Restricted Working Space, Add</i>	27.79	
26 05 33	13-1065	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	745.32	52.94
			<i>For Elevated Installation >15' To 20', Add</i>	21.17	
			<i>For Work In Restricted Working Space, Add</i>	31.76	
26 05 33	13-1066	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	1,193.13	83.81
			<i>For Elevated Installation >15' To 20', Add</i>	33.52	
			<i>For Work In Restricted Working Space, Add</i>	50.29	
26 05 33	13-1067	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	1,627.61	127.92
			<i>For Elevated Installation >15' To 20', Add</i>	51.17	
			<i>For Work In Restricted Working Space, Add</i>	76.75	
26 05 33 13-1068 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbows <small>(26 05 33 13-0802)</small>					
26 05 33	13-1069	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	167.99	27.52
			<i>For Elevated Installation >15' To 20', Add</i>	11.01	
			<i>For Work In Restricted Working Space, Add</i>	16.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1070 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	199.14	30.40
<i>For Elevated Installation >15' To 20', Add</i>	12.16	
<i>For Work In Restricted Working Space, Add</i>	18.23	
26 05 33 13-1071 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	219.10	36.13
<i>For Elevated Installation >15' To 20', Add</i>	14.45	
<i>For Work In Restricted Working Space, Add</i>	21.68	
26 05 33 13-1072 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	317.38	41.86
<i>For Elevated Installation >15' To 20', Add</i>	16.74	
<i>For Work In Restricted Working Space, Add</i>	25.12	
26 05 33 13-1073 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	421.00	45.87
<i>For Elevated Installation >15' To 20', Add</i>	18.35	
<i>For Work In Restricted Working Space, Add</i>	27.53	
26 05 33 13-1074 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	453.03	55.05
<i>For Elevated Installation >15' To 20', Add</i>	22.02	
<i>For Work In Restricted Working Space, Add</i>	33.03	
26 05 33 13-1075 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	1,083.59	76.27
<i>For Elevated Installation >15' To 20', Add</i>	30.51	
<i>For Work In Restricted Working Space, Add</i>	45.76	
26 05 33 13-1076 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	1,137.71	103.22
<i>For Elevated Installation >15' To 20', Add</i>	41.29	
<i>For Work In Restricted Working Space, Add</i>	61.94	
26 05 33 13-1077 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	1,871.17	129.02
<i>For Elevated Installation >15' To 20', Add</i>	51.61	
<i>For Work In Restricted Working Space, Add</i>	77.42	
26 05 33 13-1078 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	1,943.01	157.13
<i>For Elevated Installation >15' To 20', Add</i>	62.85	
<i>For Work In Restricted Working Space, Add</i>	94.28	
26 05 33 13-1079 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbows <small>(26 05 33 13-0802)</small>		
26 05 33 13-1080 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	248.37	27.52
<i>For Elevated Installation >15' To 20', Add</i>	11.01	
<i>For Work In Restricted Working Space, Add</i>	16.52	
26 05 33 13-1081 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	282.89	31.54
<i>For Elevated Installation >15' To 20', Add</i>	12.62	
<i>For Work In Restricted Working Space, Add</i>	18.92	
26 05 33 13-1082 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	564.88	36.13
<i>For Elevated Installation >15' To 20', Add</i>	14.45	
<i>For Work In Restricted Working Space, Add</i>	21.68	
26 05 33 13-1083 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	591.55	41.86
<i>For Elevated Installation >15' To 20', Add</i>	16.74	
<i>For Work In Restricted Working Space, Add</i>	25.12	
26 05 33 13-1084 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	811.56	45.87
<i>For Elevated Installation >15' To 20', Add</i>	18.35	
<i>For Work In Restricted Working Space, Add</i>	27.53	
26 05 33 13-1085 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	864.05	55.05
<i>For Elevated Installation >15' To 20', Add</i>	22.02	
<i>For Work In Restricted Working Space, Add</i>	33.03	
26 05 33 13-1086 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	1,668.75	77.41
<i>For Elevated Installation >15' To 20', Add</i>	30.97	
<i>For Work In Restricted Working Space, Add</i>	46.45	
26 05 33 13-1087 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	1,750.28	103.22
<i>For Elevated Installation >15' To 20', Add</i>	41.29	
<i>For Work In Restricted Working Space, Add</i>	61.93	
26 05 33 13-1088 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	2,569.90	129.02
<i>For Elevated Installation >15' To 20', Add</i>	51.61	
<i>For Work In Restricted Working Space, Add</i>	77.42	
26 05 33 13-1089 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	2,907.13	157.13
<i>For Elevated Installation >15' To 20', Add</i>	62.85	
<i>For Work In Restricted Working Space, Add</i>	94.28	
26 05 33 13-1090 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbows <small>(26 05 33 13-0802)</small>		
26 05 33 13-1091 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	94.29	14.33
<i>For Elevated Installation >15' To 20', Add</i>	5.73	
<i>For Work In Restricted Working Space, Add</i>	8.60	
26 05 33 13-1092 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	109.45	17.78
<i>For Elevated Installation >15' To 20', Add</i>	7.11	
<i>For Work In Restricted Working Space, Add</i>	10.67	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1093	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	130.22	21.79
			<i>For Elevated Installation >15' To 20', Add</i>	8.72	
			<i>For Work In Restricted Working Space, Add</i>	13.08	
26 05 33 13-1094	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	153.84	25.24
			<i>For Elevated Installation >15' To 20', Add</i>	10.09	
			<i>For Work In Restricted Working Space, Add</i>	15.14	
26 05 33 13-1095 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbows (26 05 33 13-0802)					
26 05 33 13-1096	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	73.35	14.33
			<i>For Elevated Installation >15' To 20', Add</i>	5.73	
			<i>For Work In Restricted Working Space, Add</i>	8.60	
26 05 33 13-1097	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	84.31	17.78
			<i>For Elevated Installation >15' To 20', Add</i>	7.11	
			<i>For Work In Restricted Working Space, Add</i>	10.67	
26 05 33 13-1098	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	117.98	21.79
			<i>For Elevated Installation >15' To 20', Add</i>	8.72	
			<i>For Work In Restricted Working Space, Add</i>	13.08	
26 05 33 13-1099	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	153.93	25.24
			<i>For Elevated Installation >15' To 20', Add</i>	10.09	
			<i>For Work In Restricted Working Space, Add</i>	15.14	
26 05 33 13-1100	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	188.21	28.67
			<i>For Elevated Installation >15' To 20', Add</i>	11.47	
			<i>For Work In Restricted Working Space, Add</i>	17.21	
26 05 33 13-1101	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	273.48	31.54
			<i>For Elevated Installation >15' To 20', Add</i>	12.62	
			<i>For Work In Restricted Working Space, Add</i>	18.92	
26 05 33 13-1102	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	374.77	39.57
			<i>For Elevated Installation >15' To 20', Add</i>	15.83	
			<i>For Work In Restricted Working Space, Add</i>	23.74	
26 05 33 13-1103 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbows (26 05 33 13-0802)					
26 05 33 13-1104	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	94.34	14.33
			<i>For Elevated Installation >15' To 20', Add</i>	5.73	
			<i>For Work In Restricted Working Space, Add</i>	8.60	
26 05 33 13-1105	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	112.34	17.78
			<i>For Elevated Installation >15' To 20', Add</i>	7.11	
			<i>For Work In Restricted Working Space, Add</i>	10.67	
26 05 33 13-1106	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	130.25	21.79
			<i>For Elevated Installation >15' To 20', Add</i>	8.72	
			<i>For Work In Restricted Working Space, Add</i>	13.08	
26 05 33 13-1107	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	153.89	25.24
			<i>For Elevated Installation >15' To 20', Add</i>	10.09	
			<i>For Work In Restricted Working Space, Add</i>	15.14	
26 05 33 13-1108 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbows (26 05 33 13-0802)					
26 05 33 13-1109	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	73.42	14.33
			<i>For Elevated Installation >15' To 20', Add</i>	5.73	
			<i>For Work In Restricted Working Space, Add</i>	8.60	
26 05 33 13-1110	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	84.31	17.78
			<i>For Elevated Installation >15' To 20', Add</i>	7.11	
			<i>For Work In Restricted Working Space, Add</i>	10.67	
26 05 33 13-1111	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	109.31	21.79
			<i>For Elevated Installation >15' To 20', Add</i>	8.72	
			<i>For Work In Restricted Working Space, Add</i>	13.08	
26 05 33 13-1112	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	137.09	25.24
			<i>For Elevated Installation >15' To 20', Add</i>	10.09	
			<i>For Work In Restricted Working Space, Add</i>	15.14	
26 05 33 13-1113	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	160.78	28.67
			<i>For Elevated Installation >15' To 20', Add</i>	11.47	
			<i>For Work In Restricted Working Space, Add</i>	17.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1114 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	185.62	31.54
<i>For Elevated Installation >15' To 20', Add</i>	12.62	
<i>For Work In Restricted Working Space, Add</i>	18.92	
26 05 33 13-1115 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	352.37	39.57
<i>For Elevated Installation >15' To 20', Add</i>	15.83	
<i>For Work In Restricted Working Space, Add</i>	23.74	
26 05 33 13-1116 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	401.34	53.91
<i>For Elevated Installation >15' To 20', Add</i>	21.56	
<i>For Work In Restricted Working Space, Add</i>	32.34	
26 05 33 13-1117 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	432.23	60.78
<i>For Elevated Installation >15' To 20', Add</i>	24.31	
<i>For Work In Restricted Working Space, Add</i>	36.47	
26 05 33 13-1118 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	532.04	79.13
<i>For Elevated Installation >15' To 20', Add</i>	31.65	
<i>For Work In Restricted Working Space, Add</i>	47.48	
26 05 33 13-1119 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbows <small>(26 05 33 13-0802)</small>		
26 05 33 13-1120 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow.....	154.43	27.52
<i>For Elevated Installation >15' To 20', Add</i>	11.01	
<i>For Work In Restricted Working Space, Add</i>	16.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.52	
26 05 33 13-1121 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow.....	166.36	31.54
<i>For Elevated Installation >15' To 20', Add</i>	12.62	
<i>For Work In Restricted Working Space, Add</i>	18.92	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.92	
26 05 33 13-1122 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow.....	181.65	36.13
<i>For Elevated Installation >15' To 20', Add</i>	14.45	
<i>For Work In Restricted Working Space, Add</i>	21.68	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.68	
26 05 33 13-1123 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow.....	245.91	41.86
<i>For Elevated Installation >15' To 20', Add</i>	16.74	
<i>For Work In Restricted Working Space, Add</i>	25.12	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.12	
26 05 33 13-1124 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow.....	315.06	45.87
<i>For Elevated Installation >15' To 20', Add</i>	18.35	
<i>For Work In Restricted Working Space, Add</i>	27.53	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.53	
26 05 33 13-1125 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Boxes With Cast Iron Cover <small>(26 05 33 13-0802)</small>		
26 05 33 13-1126 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....	187.61	27.52
<i>For Elevated Installation >15' To 20', Add</i>	11.01	
<i>For Work In Restricted Working Space, Add</i>	16.52	
26 05 33 13-1127 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....	201.58	31.54
<i>For Elevated Installation >15' To 20', Add</i>	12.62	
<i>For Work In Restricted Working Space, Add</i>	18.92	
26 05 33 13-1128 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....	235.84	36.13
<i>For Elevated Installation >15' To 20', Add</i>	14.45	
<i>For Work In Restricted Working Space, Add</i>	21.68	
26 05 33 13-1129 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....	339.97	41.86
<i>For Elevated Installation >15' To 20', Add</i>	16.74	
<i>For Work In Restricted Working Space, Add</i>	25.12	
26 05 33 13-1130 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....	558.78	45.87
<i>For Elevated Installation >15' To 20', Add</i>	18.35	
<i>For Work In Restricted Working Space, Add</i>	27.53	
26 05 33 13-1131 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....	602.17	55.05
<i>For Elevated Installation >15' To 20', Add</i>	22.02	
<i>For Work In Restricted Working Space, Add</i>	33.03	
26 05 33 13-1132 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Boxes With Cast Iron Cover <small>(26 05 33 13-0802)</small>		
26 05 33 13-1133 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	206.44	27.52
<i>For Elevated Installation >15' To 20', Add</i>	11.01	
<i>For Work In Restricted Working Space, Add</i>	16.52	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1134	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	232.99	31.54
			<i>For Elevated Installation >15' To 20', Add</i>	12.62	
			<i>For Work In Restricted Working Space, Add</i>	18.92	
26 05 33 13-1135	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	253.76	36.13
			<i>For Elevated Installation >15' To 20', Add</i>	14.45	
			<i>For Work In Restricted Working Space, Add</i>	21.68	
26 05 33 13-1136	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	358.18	41.86
			<i>For Elevated Installation >15' To 20', Add</i>	16.74	
			<i>For Work In Restricted Working Space, Add</i>	25.12	
26 05 33 13-1137	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	602.22	45.87
			<i>For Elevated Installation >15' To 20', Add</i>	18.35	
			<i>For Work In Restricted Working Space, Add</i>	27.53	
26 05 33 13-1138	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	642.03	55.05
			<i>For Elevated Installation >15' To 20', Add</i>	22.02	
			<i>For Work In Restricted Working Space, Add</i>	33.03	
26 05 33 13-1139			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Boxes With Cast Iron Cover <small>(26 05 33 13-0802)</small>		
26 05 33 13-1140	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover.....	206.58	27.52
			<i>For Elevated Installation >15' To 20', Add</i>	11.01	
			<i>For Work In Restricted Working Space, Add</i>	16.52	
26 05 33 13-1141	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover.....	227.43	31.54
			<i>For Elevated Installation >15' To 20', Add</i>	12.62	
			<i>For Work In Restricted Working Space, Add</i>	18.92	
26 05 33 13-1142	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover.....	271.06	36.13
			<i>For Elevated Installation >15' To 20', Add</i>	14.45	
			<i>For Work In Restricted Working Space, Add</i>	21.68	
26 05 33 13-1143	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover.....	372.05	41.86
			<i>For Elevated Installation >15' To 20', Add</i>	16.74	
			<i>For Work In Restricted Working Space, Add</i>	25.12	
26 05 33 13-1144	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover.....	622.92	45.87
			<i>For Elevated Installation >15' To 20', Add</i>	18.35	
			<i>For Work In Restricted Working Space, Add</i>	27.53	
26 05 33 13-1145	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover.....	667.55	55.05
			<i>For Elevated Installation >15' To 20', Add</i>	22.02	
			<i>For Work In Restricted Working Space, Add</i>	33.03	
26 05 33 13-1146			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Boxes With Cast Iron Cover <small>(26 05 33 13-0802)</small>		
26 05 33 13-1147	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover.....	258.72	27.52
			<i>For Elevated Installation >15' To 20', Add</i>	11.01	
			<i>For Work In Restricted Working Space, Add</i>	16.52	
26 05 33 13-1148	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover.....	285.38	31.54
			<i>For Elevated Installation >15' To 20', Add</i>	12.62	
			<i>For Work In Restricted Working Space, Add</i>	18.92	
26 05 33 13-1149	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover.....	308.75	36.13
			<i>For Elevated Installation >15' To 20', Add</i>	14.45	
			<i>For Work In Restricted Working Space, Add</i>	21.68	
26 05 33 13-1150	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover.....	793.37	41.86
			<i>For Elevated Installation >15' To 20', Add</i>	16.74	
			<i>For Work In Restricted Working Space, Add</i>	25.12	
26 05 33 13-1151			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Boxes <small>(26 05 33 13-0802)</small>		
			Note: Excludes cover.		
26 05 33 13-1152	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box.....	119.71	27.52
			<i>For Elevated Installation >15' To 20', Add</i>	11.01	
			<i>For Work In Restricted Working Space, Add</i>	16.52	
26 05 33 13-1153	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box.....	131.24	31.54
			<i>For Elevated Installation >15' To 20', Add</i>	12.62	
			<i>For Work In Restricted Working Space, Add</i>	18.92	
26 05 33 13-1154	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box.....	146.27	36.13
			<i>For Elevated Installation >15' To 20', Add</i>	14.45	
			<i>For Work In Restricted Working Space, Add</i>	21.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1155 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box.....	133.85	27.52
<i>For Elevated Installation >15' To 20', Add</i>	11.01	
<i>For Work In Restricted Working Space, Add</i>	16.52	
26 05 33 13-1156 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box.....	143.60	31.54
<i>For Elevated Installation >15' To 20', Add</i>	12.62	
<i>For Work In Restricted Working Space, Add</i>	18.92	
26 05 33 13-1157 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box.....	163.44	36.13
<i>For Elevated Installation >15' To 20', Add</i>	14.45	
<i>For Work In Restricted Working Space, Add</i>	21.68	
26 05 33 13-1158 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Boxes <small>(26 05 33 13-0802)</small>		
<i>Note: Excludes cover.</i>		
26 05 33 13-1159 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	126.40	27.52
<i>For Elevated Installation >15' To 20', Add</i>	11.01	
<i>For Work In Restricted Working Space, Add</i>	16.52	
26 05 33 13-1160 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	138.76	31.54
<i>For Elevated Installation >15' To 20', Add</i>	12.62	
<i>For Work In Restricted Working Space, Add</i>	18.92	
26 05 33 13-1161 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	151.46	36.13
<i>For Elevated Installation >15' To 20', Add</i>	14.45	
<i>For Work In Restricted Working Space, Add</i>	21.68	
26 05 33 13-1162 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	143.41	27.52
<i>For Elevated Installation >15' To 20', Add</i>	11.01	
<i>For Work In Restricted Working Space, Add</i>	16.52	
26 05 33 13-1163 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	155.94	31.54
<i>For Elevated Installation >15' To 20', Add</i>	12.62	
<i>For Work In Restricted Working Space, Add</i>	18.92	
26 05 33 13-1164 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	176.14	36.13
<i>For Elevated Installation >15' To 20', Add</i>	14.45	
<i>For Work In Restricted Working Space, Add</i>	21.68	
26 05 33 13-1165 Polyvinyl Chloride (PVC) Coated, Urethane Lined, FS And FD Series Covers <small>(26 05 33 13-0802)</small>		
26 05 33 13-1166 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS23, FS And FD Series Cover	46.90	3.44
<i>For Elevated Installation >15' To 20', Add</i>	1.38	
<i>For Work In Restricted Working Space, Add</i>	2.07	
26 05 33 13-1167 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS21G, FS And FD Series Cover.....	64.00	4.02
<i>For Elevated Installation >15' To 20', Add</i>	1.61	
<i>For Work In Restricted Working Space, Add</i>	2.41	
26 05 33 13-1168 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS32G, FS And FD Series Cover.....	60.33	4.02
<i>For Elevated Installation >15' To 20', Add</i>	1.61	
<i>For Work In Restricted Working Space, Add</i>	2.41	
26 05 33 13-1169 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS100G, FS And FD Series Cover.....	53.48	4.02
<i>For Elevated Installation >15' To 20', Add</i>	1.61	
<i>For Work In Restricted Working Space, Add</i>	2.41	
26 05 33 13-1170 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRD1, FS And FD Series Cover.....	265.42	5.73
<i>For Elevated Installation >15' To 20', Add</i>	2.29	
<i>For Work In Restricted Working Space, Add</i>	3.44	
26 05 33 13-1171 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRS1, FS And FD Series Cover	235.71	5.73
<i>For Elevated Installation >15' To 20', Add</i>	2.29	
<i>For Work In Restricted Working Space, Add</i>	3.44	
26 05 33 13-1172 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Mogul Conduit Bodies <small>(26 05 33 13-0802)</small>		
<i>Note: Includes covers.</i>		
26 05 33 13-1173 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	267.23	36.13
<i>For Elevated Installation >15' To 20', Add</i>	14.45	
<i>For Work In Restricted Working Space, Add</i>	21.68	
26 05 33 13-1174 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	299.72	41.86
<i>For Elevated Installation >15' To 20', Add</i>	16.74	
<i>For Work In Restricted Working Space, Add</i>	25.12	
26 05 33 13-1175 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	417.84	45.87
<i>For Elevated Installation >15' To 20', Add</i>	18.35	
<i>For Work In Restricted Working Space, Add</i>	27.53	
26 05 33 13-1176 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	497.76	55.05
<i>For Elevated Installation >15' To 20', Add</i>	22.02	
<i>For Work In Restricted Working Space, Add</i>	33.03	
26 05 33 13-1177 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	719.80	77.41
<i>For Elevated Installation >15' To 20', Add</i>	30.97	
<i>For Work In Restricted Working Space, Add</i>	46.45	
26 05 33 13-1178 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	906.39	103.22
<i>For Elevated Installation >15' To 20', Add</i>	41.29	
<i>For Work In Restricted Working Space, Add</i>	61.93	
26 05 33 13-1179 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	1,336.05	129.02
<i>For Elevated Installation >15' To 20', Add</i>	51.61	
<i>For Work In Restricted Working Space, Add</i>	77.42	
26 05 33 13-1180 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	1,658.78	157.13
<i>For Elevated Installation >15' To 20', Add</i>	62.85	
<i>For Work In Restricted Working Space, Add</i>	94.28	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1181	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....267.23 <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	14.45 21.68	36.13
26 05 33 13-1182	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....299.72 <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	16.74 25.12	41.86
26 05 33 13-1183	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....416.64 <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	18.35 27.53	45.87
26 05 33 13-1184	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....485.66 <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	33.03	55.05
26 05 33 13-1185	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....730.94 <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	30.97 46.45	77.41
26 05 33 13-1186	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....956.37 <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	41.29 61.93	103.22
26 05 33 13-1187	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....1,396.38 <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	51.61 77.42	129.02
26 05 33 13-1188	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....1,696.35 <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	62.85 94.28	157.13
26 05 33 13-1189	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....267.23 <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	14.45 21.68	36.13
26 05 33 13-1190	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body .....299.72 <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	16.74 25.12	41.86
26 05 33 13-1191	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body .....416.64 <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	18.35 27.53	45.87
26 05 33 13-1192	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....485.66 <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	22.02 33.03	55.05
26 05 33 13-1193	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body .....730.94 <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	30.97 46.45	77.41
26 05 33 13-1194	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....956.37 <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	41.29 61.93	103.22
26 05 33 13-1195	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body .....1,396.38 <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	51.61 77.42	129.02
26 05 33 13-1196	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....1,696.35 <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	62.85 94.28	157.13
26 05 33 13-1197	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....267.23 <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	14.45 21.68	36.13
26 05 33 13-1198	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body .....299.72 <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	16.74 25.12	41.86
26 05 33 13-1199	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body .....417.84 <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	18.35 27.53	45.87
26 05 33 13-1200	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....492.18 <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	22.02 33.03	55.05
26 05 33 13-1201	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....719.80 <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	30.97 46.45	77.41
26 05 33 13-1202	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....906.39 <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	41.29 61.93	103.22
26 05 33 13-1203	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....1,336.05 <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	51.61 77.42	129.02
26 05 33 13-1204	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....1,674.43 <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	62.85 94.28	157.13
26 05 33 13-1205			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Covers <small>(26 05 33 13-0802)</small>		
26 05 33 13-1206	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover .....137.34 <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	2.06 3.10	5.16
26 05 33 13-1207	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover .....138.49 <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	2.29 3.44	5.73



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1208 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	195.82	8.03
For Elevated Installation >15' To 20', Add	3.21	
For Work In Restricted Working Space, Add	4.82	
26 05 33 13-1209 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	198.11	9.17
For Elevated Installation >15' To 20', Add	3.67	
For Work In Restricted Working Space, Add	5.51	
26 05 33 13-1210 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	347.97	10.89
For Elevated Installation >15' To 20', Add	4.36	
For Work In Restricted Working Space, Add	6.54	
26 05 33 13-1211 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	353.70	13.76
For Elevated Installation >15' To 20', Add	5.50	
For Work In Restricted Working Space, Add	8.26	
26 05 33 13-1212 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	534.59	15.48
For Elevated Installation >15' To 20', Add	6.19	
For Work In Restricted Working Space, Add	9.29	
26 05 33 13-1213 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	543.76	20.07
For Elevated Installation >15' To 20', Add	8.03	
For Work In Restricted Working Space, Add	12.04	
26 05 33 13-1214 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings <small>(26 05 33 13-0802)</small>		
26 05 33 13-1215 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	234.61	14.33
For Elevated Installation >15' To 20', Add	5.73	
For Work In Restricted Working Space, Add	8.60	
26 05 33 13-1216 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	276.91	17.78
For Elevated Installation >15' To 20', Add	7.11	
For Work In Restricted Working Space, Add	10.67	
26 05 33 13-1217 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	327.51	21.79
For Elevated Installation >15' To 20', Add	8.72	
For Work In Restricted Working Space, Add	13.08	
26 05 33 13-1218 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	404.03	25.24
For Elevated Installation >15' To 20', Add	10.09	
For Work In Restricted Working Space, Add	15.14	
26 05 33 13-1219 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	541.90	28.67
For Elevated Installation >15' To 20', Add	11.47	
For Work In Restricted Working Space, Add	17.21	
26 05 33 13-1220 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	753.14	31.54
For Elevated Installation >15' To 20', Add	12.62	
For Work In Restricted Working Space, Add	18.92	
26 05 33 13-1221 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,077.52	39.57
For Elevated Installation >15' To 20', Add	15.83	
For Work In Restricted Working Space, Add	23.74	
26 05 33 13-1222 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,338.19	53.91
For Elevated Installation >15' To 20', Add	21.56	
For Work In Restricted Working Space, Add	32.34	
26 05 33 13-1223 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,882.75	60.78
For Elevated Installation >15' To 20', Add	24.31	
For Work In Restricted Working Space, Add	36.47	
26 05 33 13-1224 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	2,166.75	79.13
For Elevated Installation >15' To 20', Add	31.65	
For Work In Restricted Working Space, Add	47.48	
26 05 33 13-1225 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings With Bonding Jumper <small>(26 05 33 13-0802)</small>		
26 05 33 13-1226 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	375.70	14.33
For Elevated Installation >15' To 20', Add	5.73	
For Work In Restricted Working Space, Add	8.60	
26 05 33 13-1227 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	389.13	17.78
For Elevated Installation >15' To 20', Add	7.11	
For Work In Restricted Working Space, Add	10.67	
26 05 33 13-1228 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	436.40	21.79
For Elevated Installation >15' To 20', Add	8.72	
For Work In Restricted Working Space, Add	13.08	
26 05 33 13-1229 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	528.47	25.24
For Elevated Installation >15' To 20', Add	10.09	
For Work In Restricted Working Space, Add	15.14	
26 05 33 13-1230 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	641.25	28.67
For Elevated Installation >15' To 20', Add	11.47	
For Work In Restricted Working Space, Add	17.21	
26 05 33 13-1231 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	821.54	31.54
For Elevated Installation >15' To 20', Add	12.62	
For Work In Restricted Working Space, Add	18.92	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1232	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	1,215.30	39.57
			<i>For Elevated Installation >15' To 20', Add</i>	15.83	
			<i>For Work In Restricted Working Space, Add</i>	23.74	
26 05 33 13-1233	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	1,522.30	53.91
			<i>For Elevated Installation >15' To 20', Add</i>	21.56	
			<i>For Work In Restricted Working Space, Add</i>	32.34	
26 05 33 13-1234	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	1,942.19	60.78
			<i>For Elevated Installation >15' To 20', Add</i>	24.31	
			<i>For Work In Restricted Working Space, Add</i>	36.47	
26 05 33 13-1235	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	2,429.99	79.13
			<i>For Elevated Installation >15' To 20', Add</i>	31.65	
			<i>For Work In Restricted Working Space, Add</i>	47.48	
26 05 33 13-1236 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STG Knockout Hubs (26 05 33 13-0802)					
26 05 33 13-1237	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	76.77	6.89
			<i>For Elevated Installation >15' To 20', Add</i>	2.75	
			<i>For Work In Restricted Working Space, Add</i>	4.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.13	
26 05 33 13-1238	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	82.88	8.60
			<i>For Elevated Installation >15' To 20', Add</i>	3.44	
			<i>For Work In Restricted Working Space, Add</i>	5.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.16	
26 05 33 13-1239	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	90.89	10.32
			<i>For Elevated Installation >15' To 20', Add</i>	4.13	
			<i>For Work In Restricted Working Space, Add</i>	6.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.20	
26 05 33 13-1240	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	102.53	12.62
			<i>For Elevated Installation >15' To 20', Add</i>	5.05	
			<i>For Work In Restricted Working Space, Add</i>	7.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.57	
26 05 33 13-1241	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	138.76	14.33
			<i>For Elevated Installation >15' To 20', Add</i>	5.73	
			<i>For Work In Restricted Working Space, Add</i>	8.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.60	
26 05 33 13-1242	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	170.03	16.06
			<i>For Elevated Installation >15' To 20', Add</i>	6.42	
			<i>For Work In Restricted Working Space, Add</i>	9.63	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.63	
26 05 33 13-1243	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	244.36	20.07
			<i>For Elevated Installation >15' To 20', Add</i>	8.03	
			<i>For Work In Restricted Working Space, Add</i>	12.04	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.04	
26 05 33 13-1244	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	318.76	26.95
			<i>For Elevated Installation >15' To 20', Add</i>	10.78	
			<i>For Work In Restricted Working Space, Add</i>	16.17	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.17	
26 05 33 13-1245	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	408.31	30.40
			<i>For Elevated Installation >15' To 20', Add</i>	12.16	
			<i>For Work In Restricted Working Space, Add</i>	18.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	
26 05 33 13-1246	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	513.10	39.57
			<i>For Elevated Installation >15' To 20', Add</i>	15.83	
			<i>For Work In Restricted Working Space, Add</i>	23.74	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.74	
26 05 33 13-1247	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	633.14	64.22
			<i>For Elevated Installation >15' To 20', Add</i>	25.69	
			<i>For Work In Restricted Working Space, Add</i>	38.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.54	
26 05 33 13-1248	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	954.87	96.91
			<i>For Elevated Installation >15' To 20', Add</i>	38.77	
			<i>For Work In Restricted Working Space, Add</i>	58.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.15	
26 05 33 13-1249 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs (26 05 33 13-0802)					
26 05 33 13-1250	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	116.85	6.89
			<i>For Elevated Installation >15' To 20', Add</i>	2.75	
			<i>For Work In Restricted Working Space, Add</i>	4.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.13	
26 05 33 13-1251	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	123.25	8.60
			<i>For Elevated Installation >15' To 20', Add</i>	3.44	
			<i>For Work In Restricted Working Space, Add</i>	5.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.16	
26 05 33 13-1252	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	132.15	10.32
			<i>For Elevated Installation >15' To 20', Add</i>	4.13	
			<i>For Work In Restricted Working Space, Add</i>	6.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1253 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	150.63 5.05 7.57 7.57	12.62
26 05 33 13-1254 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	161.47 5.73 8.60 8.60	14.33
26 05 33 13-1255 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	182.68 6.42 9.63 9.63	16.06
26 05 33 13-1256 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	279.86 8.03 12.04 12.04	20.07
26 05 33 13-1257 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	334.07 10.78 16.17 16.17	26.95
26 05 33 13-1258 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	411.62 12.16 18.23 18.23	30.40
26 05 33 13-1259 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	534.45 15.83 23.74 23.74	39.57
26 05 33 13-1260 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	830.56 25.69 38.54 38.54	64.22
26 05 33 13-1261 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,361.70 38.77 58.15 58.15	96.91
26 05 33 13-1262 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs <small>(26 05 33 13-0802)</small>		
26 05 33 13-1263 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	125.76 2.75 4.13 4.13	6.89
26 05 33 13-1264 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	131.70 3.44 5.16 5.16	8.60
26 05 33 13-1265 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	140.99 4.13 6.20 6.20	10.32
26 05 33 13-1266 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	177.47 5.05 7.57 7.57	12.62
26 05 33 13-1267 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	193.86 5.73 8.60 8.60	14.33
26 05 33 13-1268 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	205.04 6.42 9.63 9.63	16.06
26 05 33 13-1269 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions <small>(26 05 33 13-0802)</small>		
26 05 33 13-1270 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	90.51 5.73 8.60	14.33
26 05 33 13-1271 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	98.52 7.11 10.67	17.78
26 05 33 13-1272 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	127.99 8.72 13.08	21.79
26 05 33 13-1273 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	186.30 10.09 15.14	25.24
26 05 33 13-1274 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	221.20 11.47 17.21	28.67

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1275 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	281.43 12.62 18.92	31.54
26 05 33 13-1276 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	374.74 15.83 23.74	39.57
26 05 33 13-1277 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	486.68 15.83 23.74	39.57
26 05 33 13-1278 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	627.10 24.31 36.47	60.78
26 05 33 13-1279 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	807.38 31.65 47.48	79.13
26 05 33 13-1280 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,471.32 51.61 77.42	129.02
26 05 33 13-1281 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,832.65 77.53 116.30	193.83
26 05 33 13-1282 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions <small>(26 05 33 13-0802)</small>		
26 05 33 13-1283 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	92.59 5.73 8.60	14.33
26 05 33 13-1284 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	106.48 7.11 10.67	17.78
26 05 33 13-1285 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	132.23 8.72 13.08	21.79
26 05 33 13-1286 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	194.09 10.09 15.14	25.24
26 05 33 13-1287 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	232.00 11.47 17.21	28.67
26 05 33 13-1288 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	304.77 12.62 18.92	31.54
26 05 33 13-1289 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	424.67 15.83 23.74	39.57
26 05 33 13-1290 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	537.44 15.83 23.74	39.57
26 05 33 13-1291 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	718.89 24.31 36.47	60.78
26 05 33 13-1292 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	898.83 31.65 47.48	79.13
26 05 33 13-1293 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,638.95 51.61 77.42	129.02
26 05 33 13-1294 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	2,103.32 77.53 116.30	193.83
26 05 33 13-1295 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Reducing Couplings <small>(26 05 33 13-0802)</small>		
26 05 33 13-1296 EA 3/4" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	51.00 1.83 2.75	4.59
26 05 33 13-1297 EA 1" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	55.83 2.30 3.44	5.73
26 05 33 13-1298 EA 1" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	63.64 2.30 3.44	5.73
26 05 33 13-1299 EA 1-1/4" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	78.79 2.52 3.79	6.30
26 05 33 13-1300 EA 1-1/4" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	83.30 2.52 3.79	6.30
26 05 33 13-1301 EA 1-1/2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling <i>For Elevated Installation >15' To 20', Add</i> <i>For Work In Restricted Working Space, Add</i>	71.14 2.98 4.47	7.46



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1302 EA 1-1/2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	81.20	7.46
<i>For Elevated Installation >15' To 20', Add</i>	2.98	
<i>For Work In Restricted Working Space, Add</i>	4.47	
26 05 33 13-1303 EA 1-1/2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	126.46	7.46
<i>For Elevated Installation >15' To 20', Add</i>	2.98	
<i>For Work In Restricted Working Space, Add</i>	4.47	
26 05 33 13-1304 EA 2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	140.52	8.60
<i>For Elevated Installation >15' To 20', Add</i>	3.44	
<i>For Work In Restricted Working Space, Add</i>	5.16	
26 05 33 13-1305 EA 2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	136.62	8.60
<i>For Elevated Installation >15' To 20', Add</i>	3.44	
<i>For Work In Restricted Working Space, Add</i>	5.16	
26 05 33 13-1306 EA 2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	143.87	8.60
<i>For Elevated Installation >15' To 20', Add</i>	3.44	
<i>For Work In Restricted Working Space, Add</i>	5.16	
26 05 33 13-1307 EA 2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	162.13	8.60
<i>For Elevated Installation >15' To 20', Add</i>	3.44	
<i>For Work In Restricted Working Space, Add</i>	5.16	
26 05 33 13-1308 EA 2-1/2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	160.66	10.32
<i>For Elevated Installation >15' To 20', Add</i>	4.13	
<i>For Work In Restricted Working Space, Add</i>	6.20	
26 05 33 13-1309 EA 3" x 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	204.62	14.33
<i>For Elevated Installation >15' To 20', Add</i>	5.73	
<i>For Work In Restricted Working Space, Add</i>	8.60	
26 05 33 13-1310 EA 3-1/2" x 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	302.19	16.63
<i>For Elevated Installation >15' To 20', Add</i>	6.65	
<i>For Work In Restricted Working Space, Add</i>	9.98	
26 05 33 13-1311 EA 4" x 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	404.17	22.94
<i>For Elevated Installation >15' To 20', Add</i>	9.18	
<i>For Work In Restricted Working Space, Add</i>	13.76	
26 05 33 13-1312 EA 5" x 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	504.84	31.54
<i>For Elevated Installation >15' To 20', Add</i>	12.62	
<i>For Work In Restricted Working Space, Add</i>	18.92	
26 05 33 13-1313 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples <small>(26 05 33 13-0802)</small>		
26 05 33 13-1314 EA 1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	31.30	6.89
<i>For Elevated Installation >15' To 20', Add</i>	2.75	
<i>For Work In Restricted Working Space, Add</i>	4.13	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.13	
26 05 33 13-1315 EA 3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	35.08	8.60
<i>For Elevated Installation >15' To 20', Add</i>	3.44	
<i>For Work In Restricted Working Space, Add</i>	5.16	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.16	
26 05 33 13-1316 EA 1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	40.64	10.89
<i>For Elevated Installation >15' To 20', Add</i>	4.36	
<i>For Work In Restricted Working Space, Add</i>	6.54	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.54	
26 05 33 13-1317 EA 1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	48.43	12.62
<i>For Elevated Installation >15' To 20', Add</i>	5.05	
<i>For Work In Restricted Working Space, Add</i>	7.57	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.57	
26 05 33 13-1318 EA 1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	52.62	14.33
<i>For Elevated Installation >15' To 20', Add</i>	5.73	
<i>For Work In Restricted Working Space, Add</i>	8.60	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.60	
26 05 33 13-1319 EA 1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	34.70	7.46
<i>For Elevated Installation >15' To 20', Add</i>	2.98	
<i>For Work In Restricted Working Space, Add</i>	4.47	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.47	
26 05 33 13-1320 EA 3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	37.48	8.60
<i>For Elevated Installation >15' To 20', Add</i>	3.44	
<i>For Work In Restricted Working Space, Add</i>	5.16	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.16	
26 05 33 13-1321 EA 1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	43.06	10.89
<i>For Elevated Installation >15' To 20', Add</i>	4.36	
<i>For Work In Restricted Working Space, Add</i>	6.54	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.54	
26 05 33 13-1322 EA 1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	50.99	12.62
<i>For Elevated Installation >15' To 20', Add</i>	5.05	
<i>For Work In Restricted Working Space, Add</i>	7.57	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.57	
26 05 33 13-1323 EA 1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	55.38	14.33
<i>For Elevated Installation >15' To 20', Add</i>	5.73	
<i>For Work In Restricted Working Space, Add</i>	8.60	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.60	
26 05 33 13-1324 EA 2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	60.02	16.06
<i>For Elevated Installation >15' To 20', Add</i>	6.42	
<i>For Work In Restricted Working Space, Add</i>	9.63	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.63	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1325	EA	1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	34.87	7.46
			<i>For Elevated Installation >15' To 20', Add</i>	2.98	
			<i>For Work In Restricted Working Space, Add</i>	4.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.47	
26 05 33	13-1326	EA	3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	37.64	8.60
			<i>For Elevated Installation >15' To 20', Add</i>	3.44	
			<i>For Work In Restricted Working Space, Add</i>	5.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.16	
26 05 33	13-1327	EA	1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	43.38	10.89
			<i>For Elevated Installation >15' To 20', Add</i>	4.36	
			<i>For Work In Restricted Working Space, Add</i>	6.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.54	
26 05 33	13-1328	EA	1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	51.32	12.62
			<i>For Elevated Installation >15' To 20', Add</i>	5.05	
			<i>For Work In Restricted Working Space, Add</i>	7.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.57	
26 05 33	13-1329	EA	1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	55.72	14.33
			<i>For Elevated Installation >15' To 20', Add</i>	5.73	
			<i>For Work In Restricted Working Space, Add</i>	8.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.60	
26 05 33	13-1330	EA	1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	60.88	16.06
			<i>For Elevated Installation >15' To 20', Add</i>	6.42	
			<i>For Work In Restricted Working Space, Add</i>	9.63	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.63	
26 05 33	13-1331	EA	1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	37.14	7.46
			<i>For Elevated Installation >15' To 20', Add</i>	2.98	
			<i>For Work In Restricted Working Space, Add</i>	4.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.47	
26 05 33	13-1332	EA	3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	39.91	8.60
			<i>For Elevated Installation >15' To 20', Add</i>	3.44	
			<i>For Work In Restricted Working Space, Add</i>	5.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.16	
26 05 33	13-1333	EA	1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	45.82	10.89
			<i>For Elevated Installation >15' To 20', Add</i>	4.36	
			<i>For Work In Restricted Working Space, Add</i>	6.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.54	
26 05 33	13-1334	EA	1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	52.71	12.62
			<i>For Elevated Installation >15' To 20', Add</i>	5.05	
			<i>For Work In Restricted Working Space, Add</i>	7.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.57	
26 05 33	13-1335	EA	1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	57.25	14.33
			<i>For Elevated Installation >15' To 20', Add</i>	5.73	
			<i>For Work In Restricted Working Space, Add</i>	8.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.60	
26 05 33	13-1336	EA	2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	63.57	16.06
			<i>For Elevated Installation >15' To 20', Add</i>	6.42	
			<i>For Work In Restricted Working Space, Add</i>	9.63	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.63	
26 05 33	13-1337	EA	2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	88.93	19.49
			<i>For Elevated Installation >15' To 20', Add</i>	7.80	
			<i>For Work In Restricted Working Space, Add</i>	11.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.70	
26 05 33	13-1338	EA	3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	114.99	26.95
			<i>For Elevated Installation >15' To 20', Add</i>	10.78	
			<i>For Work In Restricted Working Space, Add</i>	16.17	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.17	
26 05 33	13-1339	EA	1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	37.31	7.46
			<i>For Elevated Installation >15' To 20', Add</i>	2.98	
			<i>For Work In Restricted Working Space, Add</i>	4.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.47	
26 05 33	13-1340	EA	3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	40.22	8.60
			<i>For Elevated Installation >15' To 20', Add</i>	3.44	
			<i>For Work In Restricted Working Space, Add</i>	5.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.16	
26 05 33	13-1341	EA	1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	46.15	10.89
			<i>For Elevated Installation >15' To 20', Add</i>	4.36	
			<i>For Work In Restricted Working Space, Add</i>	6.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.54	
26 05 33	13-1342	EA	1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	54.10	12.62
			<i>For Elevated Installation >15' To 20', Add</i>	5.05	
			<i>For Work In Restricted Working Space, Add</i>	7.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.57	
26 05 33	13-1343	EA	1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	58.78	14.33
			<i>For Elevated Installation >15' To 20', Add</i>	5.73	
			<i>For Work In Restricted Working Space, Add</i>	8.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.60	
26 05 33	13-1344	EA	2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	66.25	16.06
			<i>For Elevated Installation >15' To 20', Add</i>	6.42	
			<i>For Work In Restricted Working Space, Add</i>	9.63	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.63	
26 05 33	13-1345	EA	2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	91.30	19.49
			<i>For Elevated Installation >15' To 20', Add</i>	7.80	
			<i>For Work In Restricted Working Space, Add</i>	11.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1346 EA 3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	120.10	26.95
<i>For Elevated Installation >15' To 20', Add</i>	10.78	
<i>For Work In Restricted Working Space, Add</i>	16.17	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.17	
26 05 33 13-1347 EA 3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	143.34	30.40
<i>For Elevated Installation >15' To 20', Add</i>	12.16	
<i>For Work In Restricted Working Space, Add</i>	18.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	
26 05 33 13-1348 EA 4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	167.46	39.57
<i>For Elevated Installation >15' To 20', Add</i>	15.83	
<i>For Work In Restricted Working Space, Add</i>	23.74	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.74	
26 05 33 13-1349 EA 1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	37.62	7.46
<i>For Elevated Installation >15' To 20', Add</i>	2.98	
<i>For Work In Restricted Working Space, Add</i>	4.47	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.47	
26 05 33 13-1350 EA 3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	40.56	8.60
<i>For Elevated Installation >15' To 20', Add</i>	3.44	
<i>For Work In Restricted Working Space, Add</i>	5.16	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.16	
26 05 33 13-1351 EA 1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	46.51	10.89
<i>For Elevated Installation >15' To 20', Add</i>	4.36	
<i>For Work In Restricted Working Space, Add</i>	6.54	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.54	
26 05 33 13-1352 EA 1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	54.75	12.62
<i>For Elevated Installation >15' To 20', Add</i>	5.05	
<i>For Work In Restricted Working Space, Add</i>	7.57	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.57	
26 05 33 13-1353 EA 1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	59.46	14.33
<i>For Elevated Installation >15' To 20', Add</i>	5.73	
<i>For Work In Restricted Working Space, Add</i>	8.60	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.60	
26 05 33 13-1354 EA 2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	67.71	16.06
<i>For Elevated Installation >15' To 20', Add</i>	6.42	
<i>For Work In Restricted Working Space, Add</i>	9.63	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.63	
26 05 33 13-1355 EA 2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	100.74	19.49
<i>For Elevated Installation >15' To 20', Add</i>	7.80	
<i>For Work In Restricted Working Space, Add</i>	11.70	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.70	
26 05 33 13-1356 EA 3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	127.74	26.95
<i>For Elevated Installation >15' To 20', Add</i>	10.78	
<i>For Work In Restricted Working Space, Add</i>	16.17	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.17	
26 05 33 13-1357 EA 3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	144.97	30.40
<i>For Elevated Installation >15' To 20', Add</i>	12.16	
<i>For Work In Restricted Working Space, Add</i>	18.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	
26 05 33 13-1358 EA 4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	171.82	39.57
<i>For Elevated Installation >15' To 20', Add</i>	15.83	
<i>For Work In Restricted Working Space, Add</i>	23.74	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.74	
26 05 33 13-1359 EA 5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	253.13	54.48
<i>For Elevated Installation >15' To 20', Add</i>	21.79	
<i>For Work In Restricted Working Space, Add</i>	32.69	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.69	
26 05 33 13-1360 EA 1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	38.22	7.46
<i>For Elevated Installation >15' To 20', Add</i>	2.98	
<i>For Work In Restricted Working Space, Add</i>	4.47	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.47	
26 05 33 13-1361 EA 3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	41.16	8.60
<i>For Elevated Installation >15' To 20', Add</i>	3.44	
<i>For Work In Restricted Working Space, Add</i>	5.16	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.16	
26 05 33 13-1362 EA 1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	47.16	10.89
<i>For Elevated Installation >15' To 20', Add</i>	4.36	
<i>For Work In Restricted Working Space, Add</i>	6.54	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.54	
26 05 33 13-1363 EA 1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	55.94	12.62
<i>For Elevated Installation >15' To 20', Add</i>	5.05	
<i>For Work In Restricted Working Space, Add</i>	7.57	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.57	
26 05 33 13-1364 EA 1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	60.89	14.33
<i>For Elevated Installation >15' To 20', Add</i>	5.73	
<i>For Work In Restricted Working Space, Add</i>	8.60	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.60	
26 05 33 13-1365 EA 2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	69.17	16.06
<i>For Elevated Installation >15' To 20', Add</i>	6.42	
<i>For Work In Restricted Working Space, Add</i>	9.63	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.63	
26 05 33 13-1366 EA 2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	110.32	19.49
<i>For Elevated Installation >15' To 20', Add</i>	7.80	
<i>For Work In Restricted Working Space, Add</i>	11.70	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.70	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1367	EA		3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple 137.90 <i>For Elevated Installation >15' To 20', Add</i> 10.78 <i>For Work In Restricted Working Space, Add</i> 16.17 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 16.17		26.95
26 05 33 13-1368	EA		3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple 154.12 <i>For Elevated Installation >15' To 20', Add</i> 12.16 <i>For Work In Restricted Working Space, Add</i> 18.23 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 18.23		30.40
26 05 33 13-1369	EA		4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple 187.25 <i>For Elevated Installation >15' To 20', Add</i> 15.83 <i>For Work In Restricted Working Space, Add</i> 23.74 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 23.74		39.57
26 05 33 13-1370	EA		5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple 276.20 <i>For Elevated Installation >15' To 20', Add</i> 21.79 <i>For Work In Restricted Working Space, Add</i> 32.69 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 32.69		54.48
26 05 33 13-1371	EA		1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple 39.16 <i>For Elevated Installation >15' To 20', Add</i> 2.98 <i>For Work In Restricted Working Space, Add</i> 4.47 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 4.47		7.46
26 05 33 13-1372	EA		3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple 42.07 <i>For Elevated Installation >15' To 20', Add</i> 3.44 <i>For Work In Restricted Working Space, Add</i> 5.16 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 5.16		8.60
26 05 33 13-1373	EA		1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple 48.60 <i>For Elevated Installation >15' To 20', Add</i> 4.36 <i>For Work In Restricted Working Space, Add</i> 6.54 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 6.54		10.89
26 05 33 13-1374	EA		1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple 56.26 <i>For Elevated Installation >15' To 20', Add</i> 5.05 <i>For Work In Restricted Working Space, Add</i> 7.57 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 7.57		12.62
26 05 33 13-1375	EA		1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple 63.82 <i>For Elevated Installation >15' To 20', Add</i> 5.73 <i>For Work In Restricted Working Space, Add</i> 8.60 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 8.60		14.33
26 05 33 13-1376	EA		2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple 76.31 <i>For Elevated Installation >15' To 20', Add</i> 6.42 <i>For Work In Restricted Working Space, Add</i> 9.63 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 9.63		16.06
26 05 33 13-1377	EA		2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple 122.11 <i>For Elevated Installation >15' To 20', Add</i> 7.80 <i>For Work In Restricted Working Space, Add</i> 11.70 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 11.70		19.49
26 05 33 13-1378	EA		3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple 151.79 <i>For Elevated Installation >15' To 20', Add</i> 10.78 <i>For Work In Restricted Working Space, Add</i> 16.17 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 16.17		26.95
26 05 33 13-1379	EA		3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple 177.02 <i>For Elevated Installation >15' To 20', Add</i> 12.16 <i>For Work In Restricted Working Space, Add</i> 18.23 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 18.23		30.40
26 05 33 13-1380	EA		4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple 210.42 <i>For Elevated Installation >15' To 20', Add</i> 15.83 <i>For Work In Restricted Working Space, Add</i> 23.74 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 23.74		39.57
26 05 33 13-1381	EA		5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple 292.01 <i>For Elevated Installation >15' To 20', Add</i> 21.79 <i>For Work In Restricted Working Space, Add</i> 32.69 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 32.69		54.48
26 05 33 13-1382	EA		1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple 40.14 <i>For Elevated Installation >15' To 20', Add</i> 2.98 <i>For Work In Restricted Working Space, Add</i> 4.47 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 4.47		7.46
26 05 33 13-1383	EA		3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple 43.03 <i>For Elevated Installation >15' To 20', Add</i> 3.44 <i>For Work In Restricted Working Space, Add</i> 5.16 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 5.16		8.60
26 05 33 13-1384	EA		1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple 50.01 <i>For Elevated Installation >15' To 20', Add</i> 4.36 <i>For Work In Restricted Working Space, Add</i> 6.54 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 6.54		10.89
26 05 33 13-1385	EA		1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple 60.57 <i>For Elevated Installation >15' To 20', Add</i> 5.05 <i>For Work In Restricted Working Space, Add</i> 7.57 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 7.57		12.62
26 05 33 13-1386	EA		1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple 70.76 <i>For Elevated Installation >15' To 20', Add</i> 5.73 <i>For Work In Restricted Working Space, Add</i> 8.60 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 8.60		14.33
26 05 33 13-1387	EA		2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple 86.81 <i>For Elevated Installation >15' To 20', Add</i> 6.42 <i>For Work In Restricted Working Space, Add</i> 9.63 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 9.63		16.06



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1388 EA 2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	134.57	19.49
<i>For Elevated Installation >15' To 20', Add</i>	7.80	
<i>For Work In Restricted Working Space, Add</i>	11.70	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.70	
26 05 33 13-1389 EA 3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	169.59	26.95
<i>For Elevated Installation >15' To 20', Add</i>	10.78	
<i>For Work In Restricted Working Space, Add</i>	16.17	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.17	
26 05 33 13-1390 EA 3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	201.08	30.40
<i>For Elevated Installation >15' To 20', Add</i>	12.16	
<i>For Work In Restricted Working Space, Add</i>	18.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	
26 05 33 13-1391 EA 4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	250.95	39.57
<i>For Elevated Installation >15' To 20', Add</i>	15.83	
<i>For Work In Restricted Working Space, Add</i>	23.74	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.74	
26 05 33 13-1392 EA 5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	323.56	54.48
<i>For Elevated Installation >15' To 20', Add</i>	21.79	
<i>For Work In Restricted Working Space, Add</i>	32.69	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.69	
26 05 33 13-1393 EA 1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	41.14	7.46
<i>For Elevated Installation >15' To 20', Add</i>	2.98	
<i>For Work In Restricted Working Space, Add</i>	4.47	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.47	
26 05 33 13-1394 EA 3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	44.15	8.60
<i>For Elevated Installation >15' To 20', Add</i>	3.44	
<i>For Work In Restricted Working Space, Add</i>	5.16	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.16	
26 05 33 13-1395 EA 1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	53.61	10.89
<i>For Elevated Installation >15' To 20', Add</i>	4.36	
<i>For Work In Restricted Working Space, Add</i>	6.54	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.54	
26 05 33 13-1396 EA 1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	67.66	12.62
<i>For Elevated Installation >15' To 20', Add</i>	5.05	
<i>For Work In Restricted Working Space, Add</i>	7.57	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.57	
26 05 33 13-1397 EA 1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	79.17	14.33
<i>For Elevated Installation >15' To 20', Add</i>	5.73	
<i>For Work In Restricted Working Space, Add</i>	8.60	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.60	
26 05 33 13-1398 EA 2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	95.24	16.06
<i>For Elevated Installation >15' To 20', Add</i>	6.42	
<i>For Work In Restricted Working Space, Add</i>	9.63	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.63	
26 05 33 13-1399 EA 2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	151.19	19.49
<i>For Elevated Installation >15' To 20', Add</i>	7.80	
<i>For Work In Restricted Working Space, Add</i>	11.70	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.70	
26 05 33 13-1400 EA 3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	196.28	26.95
<i>For Elevated Installation >15' To 20', Add</i>	10.78	
<i>For Work In Restricted Working Space, Add</i>	16.17	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.17	
26 05 33 13-1401 EA 3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	215.83	30.40
<i>For Elevated Installation >15' To 20', Add</i>	12.16	
<i>For Work In Restricted Working Space, Add</i>	18.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	
26 05 33 13-1402 EA 4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	263.39	39.57
<i>For Elevated Installation >15' To 20', Add</i>	15.83	
<i>For Work In Restricted Working Space, Add</i>	23.74	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.74	
26 05 33 13-1403 EA 5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	328.07	54.48
<i>For Elevated Installation >15' To 20', Add</i>	21.79	
<i>For Work In Restricted Working Space, Add</i>	32.69	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.69	
26 05 33 13-1404 Aluminum Rigid Conduit (ARC) <small>(26 05 33 13-0058)</small>		
Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-1405 Aluminum Rigid Conduit (ARC) With Threaded Coupling <small>(26 05 33 13-1404)</small>		
Note: Includes field bend conduit up to 1".		
26 05 33 13-1406 LF 1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	5.46	1.76
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.66	
<i>For Work In Restricted Working Space, Add</i>	1.32	
26 05 33 13-1407 LF 3/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	6.25	1.94
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.73	
<i>For Work In Restricted Working Space, Add</i>	1.46	
26 05 33 13-1408 LF 1" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	7.28	2.11
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.79	
<i>For Work In Restricted Working Space, Add</i>	1.59	
26 05 33 13-1409 LF 1-1/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	8.34	2.30
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.86	
<i>For Work In Restricted Working Space, Add</i>	1.72	
26 05 33 13-1410 LF 1-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	9.41	2.47
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.93	
<i>For Work In Restricted Working Space, Add</i>	1.85	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1411	LF		2" Aluminum Rigid Conduit (ARC) With Threaded Coupling..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	11.40 1.06 2.12	2.83
26 05 33 13-1412	LF		2-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	15.67 1.32 2.65	3.53
26 05 33 13-1413	LF		3" Aluminum Rigid Conduit (ARC) With Threaded Coupling..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	19.58 1.59 3.17	4.24
26 05 33 13-1414	LF		3-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	24.03 1.98 3.97	5.29
26 05 33 13-1415	LF		4" Aluminum Rigid Conduit (ARC) With Threaded Coupling..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	29.57 2.52 5.03	6.70
26 05 33 13-1416	LF		5" Aluminum Rigid Conduit (ARC) With Threaded Coupling..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	39.49 3.18 6.35	8.47
26 05 33 13-1417	LF		6" Aluminum Rigid Conduit (ARC) With Threaded Coupling..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	50.57 3.97 7.94	10.58
26 05 33 13-1418			Aluminum 90 Degree Elbows <small>(26 05 33 13-1404)</small>		
26 05 33 13-1419	EA		1" Aluminum 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	34.09 6.88	9.17
26 05 33 13-1420	EA		1-1/4" Aluminum 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	43.75 7.81	10.41
26 05 33 13-1421	EA		1-1/2" Aluminum 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	53.58 9.00	12.00
26 05 33 13-1422	EA		2" Aluminum 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	69.13 10.32	13.76
26 05 33 13-1423	EA		2-1/2" Aluminum 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	100.41 12.57	16.77
26 05 33 13-1424	EA		3" Aluminum 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	144.63 16.28	21.70
26 05 33 13-1425	EA		3-1/2" Aluminum 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	201.81 18.26	24.35
26 05 33 13-1426	EA		4" Aluminum 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	243.43 22.89	30.53
26 05 33 13-1427	EA		5" Aluminum 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	618.52 37.32	49.76
26 05 33 13-1428	EA		6" Aluminum 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	870.70 56.11	74.82
26 05 33 13-1429			Aluminum Bushing Set With Locknut <small>(26 05 33 13-1404)</small>		
26 05 33 13-1430	EA		1/2" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.67 2.65 2.65	3.53
26 05 33 13-1431	EA		3/4" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.89 3.44 3.44	4.59
26 05 33 13-1432	EA		1" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66 4.23 4.23	5.64
26 05 33 13-1433	EA		1-1/4" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.50 4.77 4.77	6.35
26 05 33 13-1434	EA		1-1/2" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.20 5.82 5.82	7.77
26 05 33 13-1435	EA		2" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.68 7.01 7.01	9.35
26 05 33 13-1436	EA		2-1/2" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.43 8.34 8.34	11.11
26 05 33 13-1437	EA		3" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.68 9.53 9.53	12.71
26 05 33 13-1438	EA		3-1/2" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.58 10.32 10.32	13.76
26 05 33 13-1439	EA		4" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.05 11.12 11.12	14.82
26 05 33 13-1440	EA		5" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.67 14.82 14.82	19.76
26 05 33 13-1441	EA		6" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	82.69 22.23 22.23	29.65



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1442 Schedule 40 Polyvinyl Chloride (PVC) Conduit <small>(26 05 33 13-0058)</small> Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-1443 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings <small>(26 05 33 13-1442)</small> Note: Includes field bend conduit up to 1".		
26 05 33 13-1444 LF 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End For Schedule 60, Add For Schedule 80, Add	3.55 0.21 0.40	1.35
26 05 33 13-1445 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End For Schedule 60, Add For Schedule 80, Add	3.94 0.24 0.45	1.48
26 05 33 13-1446 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End For Schedule 60, Add For Schedule 80, Add	4.68 0.30 0.56	1.73
26 05 33 13-1447 LF 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End For Schedule 60, Add For Schedule 80, Add	5.40 0.36 0.66	1.97
26 05 33 13-1448 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End For Schedule 60, Add For Schedule 80, Add	6.32 0.43 0.77	2.30
26 05 33 13-1449 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End For Schedule 60, Add For Schedule 80, Add	7.33 0.51 0.92	2.63
26 05 33 13-1450 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End For Schedule 60, Add For Schedule 80, Add	8.99 0.68 1.19	3.12
26 05 33 13-1451 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End For Schedule 60, Add For Schedule 80, Add	10.44 0.80 1.39	3.63
26 05 33 13-1452 LF 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End For Schedule 60, Add For Schedule 80, Add	12.49 0.98 1.69	4.28
26 05 33 13-1453 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End For Schedule 60, Add For Schedule 80, Add	15.13 1.15 2.00	5.27
26 05 33 13-1454 LF 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End For Schedule 60, Add For Schedule 80, Add	21.42 1.65 2.86	7.41
26 05 33 13-1455 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End For Schedule 60, Add For Schedule 80, Add	28.51 2.19 3.80	9.88
26 05 33 13-1456 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows <small>(26 05 33 13-1442)</small> See CSI section 26 05 33 13-2234 for conduit field bending.		
26 05 33 13-1457 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2234 for conduit field bending. For Schedule 60, Add For Schedule 80, Add	17.29 1.03 1.94	6.59
26 05 33 13-1458 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2234 for conduit field bending. For Schedule 60, Add For Schedule 80, Add	19.11 1.15 2.16	7.24
26 05 33 13-1459 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2234 for conduit field bending. For Schedule 60, Add For Schedule 80, Add	22.13 1.42 2.60	8.23
26 05 33 13-1460 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2234 for conduit field bending. For Schedule 60, Add For Schedule 80, Add	28.58 1.88 3.42	10.54
26 05 33 13-1461 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2234 for conduit field bending. For Schedule 60, Add For Schedule 80, Add	35.96 2.40 4.35	13.17
26 05 33 13-1462 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2234 for conduit field bending. For Schedule 60, Add For Schedule 80, Add	45.34 3.10 5.58	16.46
26 05 33 13-1463 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2234 for conduit field bending. For Schedule 60, Add For Schedule 80, Add	56.81 4.32 7.53	19.76
26 05 33 13-1464 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2234 for conduit field bending. For Schedule 60, Add For Schedule 80, Add	69.75 5.91 10.00	23.05
26 05 33 13-1465 EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2234 for conduit field bending. For Schedule 60, Add For Schedule 80, Add	86.84 7.71 12.90	27.99
26 05 33 13-1466 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2234 for conduit field bending. For Schedule 60, Add For Schedule 80, Add	104.01 9.54 15.82	32.93

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1467 EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	141.11	41.16
See CSI section 26 05 33 13-2234 for conduit field bending.		
For Schedule 60, Add	14.69	
For Schedule 80, Add	23.66	
26 05 33 13-1468 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	172.19	49.40
See CSI section 26 05 33 13-2234 for conduit field bending.		
For Schedule 60, Add	18.35	
For Schedule 80, Add	29.39	
26 05 33 13-1469 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows <small>(26 05 33 13-1442)</small>		
See CSI section 26 05 33 13-2234 for conduit field bending.		
26 05 33 13-1470 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	17.29	6.59
See CSI section 26 05 33 13-2234 for conduit field bending.		
For Schedule 60, Add	1.03	
For Schedule 80, Add	1.94	
26 05 33 13-1471 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	19.05	7.24
See CSI section 26 05 33 13-2234 for conduit field bending.		
For Schedule 60, Add	1.14	
For Schedule 80, Add	2.14	
26 05 33 13-1472 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	22.04	8.23
See CSI section 26 05 33 13-2234 for conduit field bending.		
For Schedule 60, Add	1.39	
For Schedule 80, Add	2.57	
26 05 33 13-1473 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	28.34	10.54
See CSI section 26 05 33 13-2234 for conduit field bending.		
For Schedule 60, Add	1.82	
For Schedule 80, Add	3.33	
26 05 33 13-1474 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	35.42	13.17
See CSI section 26 05 33 13-2234 for conduit field bending.		
For Schedule 60, Add	2.27	
For Schedule 80, Add	4.16	
26 05 33 13-1475 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	45.06	16.46
See CSI section 26 05 33 13-2234 for conduit field bending.		
For Schedule 60, Add	3.03	
For Schedule 80, Add	5.48	
26 05 33 13-1476 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	56.27	19.76
See CSI section 26 05 33 13-2234 for conduit field bending.		
For Schedule 60, Add	4.19	
For Schedule 80, Add	7.34	
26 05 33 13-1477 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	69.07	23.05
See CSI section 26 05 33 13-2234 for conduit field bending.		
For Schedule 60, Add	5.74	
For Schedule 80, Add	9.76	
26 05 33 13-1478 EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	84.92	27.99
See CSI section 26 05 33 13-2234 for conduit field bending.		
For Schedule 60, Add	7.23	
For Schedule 80, Add	12.22	
26 05 33 13-1479 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	102.36	32.93
See CSI section 26 05 33 13-2234 for conduit field bending.		
For Schedule 60, Add	9.12	
For Schedule 80, Add	15.24	
26 05 33 13-1480 EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	138.98	41.16
See CSI section 26 05 33 13-2234 for conduit field bending.		
For Schedule 60, Add	14.16	
For Schedule 80, Add	22.91	
26 05 33 13-1481 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	165.83	49.40
See CSI section 26 05 33 13-2234 for conduit field bending.		
For Schedule 60, Add	16.76	
For Schedule 80, Add	27.17	
26 05 33 13-1482 Polyvinyl Chloride (PVC) Conduit Female Adapters <small>(26 05 33 13-1442)</small>		
26 05 33 13-1483 EA 1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter.....	11.91	4.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.46	
26 05 33 13-1484 EA 3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter.....	13.69	5.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	
26 05 33 13-1485 EA 1" Polyvinyl Chloride (PVC) Conduit Female Adapter.....	15.53	5.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.45	
26 05 33 13-1486 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter.....	17.44	6.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.94	
26 05 33 13-1487 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter.....	21.64	8.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.17	
26 05 33 13-1488 EA 2" Polyvinyl Chloride (PVC) Conduit Female Adapter.....	26.21	9.88
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.41	
26 05 33 13-1489 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter.....	35.72	13.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.88	
26 05 33 13-1490 EA 3" Polyvinyl Chloride (PVC) Conduit Female Adapter.....	44.97	16.46
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.35	
26 05 33 13-1491 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter.....	58.35	21.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.06	
26 05 33 13-1492 EA 4" Polyvinyl Chloride (PVC) Conduit Female Adapter.....	70.92	26.35
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.76	
26 05 33 13-1493 EA 5" Polyvinyl Chloride (PVC) Conduit Female Adapter.....	92.52	32.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1494 EA 6" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	115.21 30.88	41.16
26 05 33 13-1495 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug <small>(26 05 33 13-1442)</small>		
26 05 33 13-1496 EA 1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.98 2.96	3.96
26 05 33 13-1497 EA 3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85 3.46	4.61
26 05 33 13-1498 EA 1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.73 3.95	5.27
26 05 33 13-1499 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.71 4.45	5.93
26 05 33 13-1500 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.95 4.94	6.59
26 05 33 13-1501 EA 2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.16 5.68	7.57
26 05 33 13-1502 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.31 6.42	8.56
26 05 33 13-1503 EA 3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.31 7.41	9.88
26 05 33 13-1504 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.34 8.64	11.53
26 05 33 13-1505 EA 4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.68 9.88	13.17
26 05 33 13-1506 EA 5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.07 11.12	14.82
26 05 33 13-1507 EA 6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.68 12.35	16.46
26 05 33 13-1508 Polyvinyl Chloride (PVC) Conduit Terminal Adapters <small>(26 05 33 13-1442)</small>		
26 05 33 13-1509 EA 1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99 3.80	
26 05 33 13-1510 EA 3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.70 4.55	
26 05 33 13-1511 EA 1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.48 5.06	
26 05 33 13-1512 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.61 5.63	
26 05 33 13-1513 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.51 6.17	8.23
26 05 33 13-1514 EA 2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.03 7.41	9.88
26 05 33 13-1515 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.36 9.88	13.17
26 05 33 13-1516 EA 3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.46 12.35	16.46
26 05 33 13-1517 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.70 16.06	21.40
26 05 33 13-1518 EA 4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.25 19.76	26.35
26 05 33 13-1519 EA 5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.20 24.70	32.93
26 05 33 13-1520 EA 6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	113.64 30.88	41.16
26 05 33 13-1521 Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover <small>(26 05 33 13-1442)</small>		
26 05 33 13-1522 EA 1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.48 9.88	13.17
26 05 33 13-1523 EA 3/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.07 11.12	14.82
26 05 33 13-1524 EA 1" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.72 12.35	16.46
26 05 33 13-1525 EA 1-1/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.34 14.82	19.76
26 05 33 13-1526 EA 1-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.04 18.53	24.70
26 05 33 13-1527 EA 2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.57 22.23	29.64
26 05 33 13-1528 EA 2-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.14 24.70	32.93
26 05 33 13-1529 EA 3" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	154.53 27.17	36.22
26 05 33 13-1530 EA 3-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	169.03 30.88	41.16
26 05 33 13-1531 EA 4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	189.80 35.81	47.75

26 Electrical
26 05 Common Work Results For Electrical
26 05 33 Raceway And Boxes For Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1532		Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover (26 05 33)		
			<small>13-1442</small>		
26 05 33	13-1533	EA	1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover .....48.83	17.65	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.23	
26 05 33	13-1534	EA	3/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover .....54.45	19.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.56	
26 05 33	13-1535	EA	1" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover .....58.99	21.18	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.88	
26 05 33	13-1536	EA	1-1/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover .....72.69	24.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.53	
26 05 33	13-1537	EA	1-1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover .....87.90	30.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.50	
26 05 33	13-1538	EA	2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover .....107.08	35.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.47	
26 05 33	13-1539		Polyvinyl Chloride (PVC) Conduit Expansion Joint (26 05 33 13-1442)		
26 05 33	13-1540	EA	1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....71.49	16.46	
26 05 33	13-1541	EA	3/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....80.50	19.76	
26 05 33	13-1542	EA	1" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....89.96	23.05	
26 05 33	13-1543	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....98.96	26.35	
26 05 33	13-1544	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....107.77	29.64	
26 05 33	13-1545	EA	2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....118.04	32.93	
26 05 33	13-1546	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....142.96	37.88	
26 05 33	13-1547	EA	3" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....169.69	42.81	
26 05 33	13-1548	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....198.18	49.40	
26 05 33	13-1549	EA	4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....235.07	57.64	
26 05 33	13-1550	EA	5" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....306.48	69.16	
26 05 33	13-1551	EA	6" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....401.76	88.92	
26 05 33	13-1552		Polyvinyl Chloride (PVC) Conduit End Caps (26 05 33 13-1442)		
26 05 33	13-1553	EA	1/2" Polyvinyl Chloride (PVC) Conduit End Cap.....9.82	3.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.47	
26 05 33	13-1554	EA	3/4" Polyvinyl Chloride (PVC) Conduit End Cap .....11.65	3.96	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.96	
26 05 33	13-1555	EA	1" Polyvinyl Chloride (PVC) Conduit End Cap .....13.45	4.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.46	
26 05 33	13-1556	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit End Cap .....15.92	5.27	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 05 33	13-1557	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit End Cap .....18.44	5.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.45	
26 05 33	13-1558	EA	2" Polyvinyl Chloride (PVC) Conduit End Cap .....21.52	6.59	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	
26 05 33	13-1559	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit End Cap .....29.67	7.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.68	
26 05 33	13-1560	EA	3" Polyvinyl Chloride (PVC) Conduit End Cap .....32.65	8.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.42	
26 05 33	13-1561	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit End Cap .....40.92	9.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.16	
26 05 33	13-1562	EA	4" Polyvinyl Chloride (PVC) Conduit End Cap .....48.72	10.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.66	
26 05 33	13-1563	EA	5" Polyvinyl Chloride (PVC) Conduit End Cap .....56.42	11.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.64	
26 05 33	13-1564	EA	6" Polyvinyl Chloride (PVC) Conduit End Cap .....70.55	13.17	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.88	
26 05 33	13-1565		Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) (26 05 33 13-1442)		
26 05 33	13-1566	EA	2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways EZLB200).....94.89	29.64	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.23	
26 05 33	13-1567	EA	3/4" To 1-1/4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB121) .....91.37	19.76	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.82	
26 05 33	13-1568	EA	1-1/2" To 2-1/2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB251) .....211.00	32.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.70	
26 05 33	13-1569	EA	3" To 4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB401) .....399.36	47.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.81	
26 05 33	13-1570		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit (26 05 33 13-0058)		
			Note: Exposed installation. Excludes supporting strap, hanger and fastening.		
26 05 33	13-1571		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit (26 05 33 13-1570)		
26 05 33	13-1572	LF	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....5.35	1.35	
26 05 33	13-1573	LF	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....5.94	1.48	
26 05 33	13-1574	LF	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit .....6.68	1.71	
26 05 33	13-1575	LF	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit .....7.42	1.97	
26 05 33	13-1576	LF	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit .....8.45	2.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1577 LF 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	9.35	2.63
26 05 33 13-1578 LF 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	11.12	3.12
26 05 33 13-1579 LF 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	13.01	3.63
26 05 33 13-1580 LF 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	15.17	4.28
26 05 33 13-1581 LF 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	18.12	5.27
26 05 33 13-1582 LF 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	24.72	7.41
26 05 33 13-1583 LF 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	32.44	9.88
26 05 33 13-1584 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90		
 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1570)</small>		
26 05 33 13-1585 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	53.03	6.59
For 24" Radius, Add	3.57	
For 36" Radius, Add	5.30	
For 48" Radius, Add	7.04	
26 05 33 13-1586 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	59.06	7.24
For 24" Radius, Add	3.98	
For 36" Radius, Add	5.91	
For 48" Radius, Add	7.84	
26 05 33 13-1587 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	61.94	8.23
For 24" Radius, Add	4.13	
For 36" Radius, Add	6.19	
For 48" Radius, Add	8.26	
26 05 33 13-1588 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	68.11	10.54
For 24" Radius, Add	4.45	
For 36" Radius, Add	6.81	
For 48" Radius, Add	9.17	
26 05 33 13-1589 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	75.10	13.17
For 24" Radius, Add	4.81	
For 36" Radius, Add	7.51	
For 48" Radius, Add	10.21	
26 05 33 13-1590 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	89.15	16.46
For 24" Radius, Add	5.66	
For 36" Radius, Add	8.92	
For 48" Radius, Add	12.17	
26 05 33 13-1591 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	106.84	19.76
For 24" Radius, Add	6.78	
For 36" Radius, Add	10.68	
For 48" Radius, Add	14.59	
26 05 33 13-1592 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	126.57	23.05
For 24" Radius, Add	8.05	
For 36" Radius, Add	12.66	
For 48" Radius, Add	17.26	
26 05 33 13-1593 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	147.53	27.99
For 24" Radius, Add	9.32	
For 36" Radius, Add	14.75	
For 48" Radius, Add	20.19	
26 05 33 13-1594 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	168.49	32.93
For 24" Radius, Add	10.58	
For 36" Radius, Add	16.85	
For 48" Radius, Add	23.12	
26 05 33 13-1595 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	210.62	41.16
For 24" Radius, Add	13.22	
For 36" Radius, Add	21.06	
For 48" Radius, Add	28.90	
26 05 33 13-1596 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	258.12	49.40
For 24" Radius, Add	16.27	
For 36" Radius, Add	25.81	
For 48" Radius, Add	35.35	
26 05 33 13-1597 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45		
 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1570)</small>		
26 05 33 13-1598 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	46.44	6.59
For 24" Radius, Add	3.07	
For 36" Radius, Add	4.64	
For 48" Radius, Add	6.22	
26 05 33 13-1599 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	51.69	7.24
For 24" Radius, Add	3.42	
For 36" Radius, Add	5.17	
For 48" Radius, Add	6.91	
26 05 33 13-1600 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	54.49	8.23
For 24" Radius, Add	3.57	
For 36" Radius, Add	5.45	
For 48" Radius, Add	7.33	
26 05 33 13-1601 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	60.59	10.54
For 24" Radius, Add	3.89	
For 36" Radius, Add	6.06	
For 48" Radius, Add	8.23	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1602	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	67.51	13.17
			For 24" Radius, Add	4.24	
			For 36" Radius, Add	6.75	
			For 48" Radius, Add	9.26	
26 05 33 13-1603	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	80.51	16.46
			For 24" Radius, Add	5.01	
			For 36" Radius, Add	8.05	
			For 48" Radius, Add	11.09	
26 05 33 13-1604	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	96.50	19.76
			For 24" Radius, Add	6.00	
			For 36" Radius, Add	9.65	
			For 48" Radius, Add	13.30	
26 05 33 13-1605	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	114.16	23.05
			For 24" Radius, Add	7.12	
			For 36" Radius, Add	11.42	
			For 48" Radius, Add	15.71	
26 05 33 13-1606	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	133.57	27.99
			For 24" Radius, Add	8.27	
			For 36" Radius, Add	13.36	
			For 48" Radius, Add	18.45	
26 05 33 13-1607	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	152.98	32.93
			For 24" Radius, Add	9.42	
			For 36" Radius, Add	15.30	
			For 48" Radius, Add	21.18	
26 05 33 13-1608	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	191.23	41.16
			For 24" Radius, Add	11.77	
			For 36" Radius, Add	19.12	
			For 48" Radius, Add	26.48	
26 05 33 13-1609	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	233.89	49.40
			For 24" Radius, Add	14.45	
			For 36" Radius, Add	23.39	
			For 48" Radius, Add	32.32	
26 05 33 13-1610 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1570)</small>					
26 05 33 13-1611	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	42.98	5.93
			For 24" Radius, Add	2.85	
			For 36" Radius, Add	4.30	
			For 48" Radius, Add	5.74	
26 05 33 13-1612	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	47.82	6.52
			For 24" Radius, Add	3.18	
			For 36" Radius, Add	4.78	
			For 48" Radius, Add	6.39	
26 05 33 13-1613	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	50.37	7.41
			For 24" Radius, Add	3.31	
			For 36" Radius, Add	5.04	
			For 48" Radius, Add	6.76	
26 05 33 13-1614	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	55.87	9.48
			For 24" Radius, Add	3.60	
			For 36" Radius, Add	5.59	
			For 48" Radius, Add	7.58	
26 05 33 13-1615	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	62.11	11.86
			For 24" Radius, Add	3.92	
			For 36" Radius, Add	6.21	
			For 48" Radius, Add	8.50	
26 05 33 13-1616	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	74.00	14.82
			For 24" Radius, Add	4.62	
			For 36" Radius, Add	7.40	
			For 48" Radius, Add	10.18	
26 05 33 13-1617	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	88.69	17.79
			For 24" Radius, Add	5.54	
			For 36" Radius, Add	8.87	
			For 48" Radius, Add	12.20	
26 05 33 13-1618	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	104.94	20.75
			For 24" Radius, Add	6.57	
			For 36" Radius, Add	10.49	
			For 48" Radius, Add	14.41	
26 05 33 13-1619	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	122.69	25.20
			For 24" Radius, Add	7.63	
			For 36" Radius, Add	12.27	
			For 48" Radius, Add	16.91	
26 05 33 13-1620	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	140.44	29.64
			For 24" Radius, Add	8.68	
			For 36" Radius, Add	14.04	
			For 48" Radius, Add	19.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1621 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	175.56	37.05
<i>For 24" Radius, Add</i>	10.85	
<i>For 36" Radius, Add</i>	17.56	
<i>For 48" Radius, Add</i>	24.26	
26 05 33 13-1622 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	214.81	44.46
<i>For 24" Radius, Add</i>	13.33	
<i>For 36" Radius, Add</i>	21.48	
<i>For 48" Radius, Add</i>	29.63	
26 05 33 13-1623 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1570)</small>		
26 05 33 13-1624 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	41.15	5.93
<i>For 24" Radius, Add</i>	2.72	
<i>For 36" Radius, Add</i>	4.12	
<i>For 48" Radius, Add</i>	5.51	
26 05 33 13-1625 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	45.78	6.52
<i>For 24" Radius, Add</i>	3.03	
<i>For 36" Radius, Add</i>	4.58	
<i>For 48" Radius, Add</i>	6.13	
26 05 33 13-1626 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	48.31	7.41
<i>For 24" Radius, Add</i>	3.16	
<i>For 36" Radius, Add</i>	4.83	
<i>For 48" Radius, Add</i>	6.50	
26 05 33 13-1627 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	53.79	9.48
<i>For 24" Radius, Add</i>	3.44	
<i>For 36" Radius, Add</i>	5.38	
<i>For 48" Radius, Add</i>	7.32	
26 05 33 13-1628 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	60.00	11.86
<i>For 24" Radius, Add</i>	3.76	
<i>For 36" Radius, Add</i>	6.00	
<i>For 48" Radius, Add</i>	8.24	
26 05 33 13-1629 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	71.60	14.82
<i>For 24" Radius, Add</i>	4.44	
<i>For 36" Radius, Add</i>	7.16	
<i>For 48" Radius, Add</i>	9.88	
26 05 33 13-1630 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	85.82	17.79
<i>For 24" Radius, Add</i>	5.33	
<i>For 36" Radius, Add</i>	8.58	
<i>For 48" Radius, Add</i>	11.84	
26 05 33 13-1631 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	101.50	20.75
<i>For 24" Radius, Add</i>	6.32	
<i>For 36" Radius, Add</i>	10.15	
<i>For 48" Radius, Add</i>	13.98	
26 05 33 13-1632 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	118.81	25.20
<i>For 24" Radius, Add</i>	7.34	
<i>For 36" Radius, Add</i>	11.88	
<i>For 48" Radius, Add</i>	16.43	
26 05 33 13-1633 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	136.13	29.64
<i>For 24" Radius, Add</i>	8.36	
<i>For 36" Radius, Add</i>	13.61	
<i>For 48" Radius, Add</i>	18.87	
26 05 33 13-1634 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	170.17	37.05
<i>For 24" Radius, Add</i>	10.45	
<i>For 36" Radius, Add</i>	17.02	
<i>For 48" Radius, Add</i>	23.59	
26 05 33 13-1635 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	208.08	44.46
<i>For 24" Radius, Add</i>	12.83	
<i>For 36" Radius, Add</i>	20.81	
<i>For 48" Radius, Add</i>	28.79	
26 05 33 13-1636 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings <small>(26 05 33 13-1570)</small>		
26 05 33 13-1637 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	26.67	4.61
26 05 33 13-1638 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	30.04	5.27
26 05 33 13-1639 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	31.86	5.93
26 05 33 13-1640 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	33.65	6.59
26 05 33 13-1641 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	38.11	8.23
26 05 33 13-1642 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	45.58	9.88
26 05 33 13-1643 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	58.06	13.17
26 05 33 13-1644 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	71.31	16.46

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1645 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	87.44	21.40
26 05 33 13-1646 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	103.56	26.35
26 05 33 13-1647 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	129.44	32.93
26 05 33 13-1648 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	161.79	41.16
26 05 33 13-1649 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings (26 05 33 13-1570)		
26 05 33 13-1650 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	20.07	4.61
26 05 33 13-1651 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	22.66	5.27
26 05 33 13-1652 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	24.41	5.93
26 05 33 13-1653 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	26.15	6.59
26 05 33 13-1654 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	30.37	8.23
26 05 33 13-1655 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	34.55	9.88
26 05 33 13-1656 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	44.75	13.17
26 05 33 13-1657 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	55.35	16.46
26 05 33 13-1658 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	69.48	21.40
26 05 33 13-1659 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	83.60	26.35
26 05 33 13-1660 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	104.52	32.93
26 05 33 13-1661 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	130.63	41.16
26 05 33 13-1662 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings (26 05 33 13-1570)		
26 05 33 13-1663 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	22.15	3.79
26 05 33 13-1664 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	24.97	5.27
26 05 33 13-1665 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	26.75	5.93
26 05 33 13-1666 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	28.46	6.59
26 05 33 13-1667 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	32.86	8.23
26 05 33 13-1668 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	39.32	9.88
26 05 33 13-1669 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	50.46	13.17
26 05 33 13-1670 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	62.20	16.46
26 05 33 13-1671 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	77.18	21.40
26 05 33 13-1672 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	92.16	26.35
26 05 33 13-1673 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	115.18	32.93
26 05 33 13-1674 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	144.00	41.16
26 05 33 13-1675 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints (26 05 33 13-1570)		
26 05 33 13-1676 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	52.86	16.46
26 05 33 13-1677 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	62.38	19.76
26 05 33 13-1678 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	70.76	23.05
26 05 33 13-1679 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	79.08	26.35
26 05 33 13-1680 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	87.61	29.64
26 05 33 13-1681 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	98.41	32.93
26 05 33 13-1682 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	113.98	37.88
26 05 33 13-1683 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	130.19	42.81
26 05 33 13-1684 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	149.56	49.40
26 05 33 13-1685 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	173.04	57.64
26 05 33 13-1686 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	200.86	65.87
26 05 33 13-1687 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	230.48	74.10
26 05 33 13-1688 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints (26 05 33 13-1570)		
26 05 33 13-1689 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	57.62	16.46
26 05 33 13-1690 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	67.71	19.76
26 05 33 13-1691 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	76.12	23.05
26 05 33 13-1692 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	84.49	26.35
26 05 33 13-1693 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	93.07	29.64
26 05 33 13-1694 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	104.64	32.93
26 05 33 13-1695 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	121.46	37.88
26 05 33 13-1696 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	139.17	42.81
26 05 33 13-1697 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	159.66	49.40
26 05 33 13-1698 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	184.27	57.64
26 05 33 13-1699 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	214.93	65.87
26 05 33 13-1700 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	248.07	74.10
26 05 33 13-1701 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters (26 05 33 13-1570)		
26 05 33 13-1702 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	50.66	4.61
26 05 33 13-1703 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	56.64	5.27
26 05 33 13-1704 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	59.62	5.93
26 05 33 13-1705 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	62.65	6.59
26 05 33 13-1706 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	67.49	8.23
26 05 33 13-1707 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	76.08	9.88
26 05 33 13-1708 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	94.59	13.17
26 05 33 13-1709 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	115.11	16.46



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1710	EA			3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	136.72	21.40
26 05 33 13-1711	EA			4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	158.32	26.35
26 05 33 13-1712	EA			5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	197.92	32.93
26 05 33 13-1713	EA			6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	246.52	41.16
26 05 33 13-1714				Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints <small>(26 05 33 13-1570)</small>		
26 05 33 13-1715	EA			1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	65.88	16.46
26 05 33 13-1716	EA			3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	76.87	19.76
26 05 33 13-1717	EA			1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	91.57	23.05
26 05 33 13-1718	EA			1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	111.62	26.35
26 05 33 13-1719	EA			1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	136.82	29.64
26 05 33 13-1720	EA			2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	175.28	32.93
26 05 33 13-1721	EA			2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	240.95	37.88
26 05 33 13-1722	EA			3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	288.40	42.81
26 05 33 13-1723	EA			3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	346.56	49.40
26 05 33 13-1724	EA			4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	408.84	57.64
26 05 33 13-1725	EA			5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	479.15	65.87
26 05 33 13-1726	EA			6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	719.13	74.10
26 05 33 13-1727				Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover <small>(26 05 33 13-1570)</small>		
26 05 33 13-1728	EA			1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	54.81	13.17
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.88	
26 05 33 13-1729	EA			3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	63.14	14.82
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.12	
26 05 33 13-1730	EA			1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	80.94	16.46
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.35	
26 05 33 13-1731	EA			1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	98.55	19.76
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.82	
26 05 33 13-1732	EA			1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	124.94	24.70
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.53	
26 05 33 13-1733	EA			2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	167.71	29.64
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.23	
26 05 33 13-1734	EA			2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	261.97	34.58
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.94	
26 05 33 13-1735	EA			3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	332.83	39.52
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.64	
26 05 33 13-1736	EA			3-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	399.02	46.11
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.58	
26 05 33 13-1737	EA			4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	465.22	52.69
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.52	
26 05 33 13-1738	EA			5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	546.05	59.28
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.46	
26 05 33 13-1739	EA			6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	618.10	65.87
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.40	
26 05 33 13-1740				Explosion Proof Conduit Fittings <small>(26 05 33 13-0059)</small>		
				Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT) and Intermediate Metal Conduit (IMC) conduit.		
26 05 33 13-1741				Explosion Proof Malleable Iron Conduit Unions <small>(26 05 33 13-1740)</small>		
26 05 33 13-1742	EA			1/2" Explosion Proof Malleable Iron Conduit Union.....	35.77	7.34
26 05 33 13-1743	EA			3/4" Explosion Proof Malleable Iron Conduit Union.....	44.26	8.12
26 05 33 13-1744	EA			1" Explosion Proof Malleable Iron Conduit Union.....	70.55	10.83
26 05 33 13-1745	EA			1-1/4" Explosion Proof Malleable Iron Conduit Union.....	93.78	11.98
26 05 33 13-1746	EA			1-1/2" Explosion Proof Malleable Iron Conduit Union.....	118.07	14.69
26 05 33 13-1747	EA			2" Explosion Proof Malleable Iron Conduit Union.....	147.32	17.01
26 05 33 13-1748	EA			2-1/2" Explosion Proof Malleable Iron Conduit Union.....	224.47	24.32
26 05 33 13-1749	EA			3" Explosion Proof Malleable Iron Conduit Union.....	285.62	28.95
26 05 33 13-1750	EA			3-1/2" Explosion Proof Malleable Iron Conduit Union.....	481.90	34.74
26 05 33 13-1751	EA			4" Explosion Proof Malleable Iron Conduit Union.....	509.87	44.40
26 05 33 13-1752				Explosion Proof Malleable Iron Conduit Bodies <small>(26 05 33 13-1740)</small>		
26 05 33 13-1753	EA			1/2" Explosion Proof Malleable Iron Two Hub Conduit Body.....	127.15	23.20
26 05 33 13-1754	EA			3/4" Explosion Proof Malleable Iron Two Hub Conduit Body.....	143.30	26.29

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1755	EA	1" Explosion Proof Malleable Iron Two Hub Conduit Conduit Body.....	168.13	28.99
26 05 33	13-1756	EA	1/2" Explosion Proof Malleable Iron Three Hub Conduit Body.....	142.96	28.99
26 05 33	13-1757	EA	3/4" Explosion Proof Malleable Iron Three Hub Conduit Body.....	170.27	34.79
26 05 33	13-1758	EA	1" Explosion Proof Malleable Iron Three Hub Conduit Body.....	201.76	39.81
26 05 33	13-1759		Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical ^(26 05 33 13-1740)		
			Note: Includes sealing gasket and lock nut.		
26 05 33	13-1760	EA	1/2" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	105.14	19.32
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.50	
26 05 33	13-1761	EA	3/4" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	107.09	21.64
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.24	
26 05 33	13-1762	EA	1" x 1-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	116.90	23.58
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.69	
26 05 33	13-1763	EA	1-1/4" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	150.50	28.99
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.74	
26 05 33	13-1764	EA	1-1/2" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	192.69	34.01
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.51	
26 05 33	13-1765	EA	2" x 2-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	248.59	38.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.99	
26 05 33	13-1766	EA	2-1/2" x 3" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	353.42	57.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.43	
26 05 33	13-1767	EA	3" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	446.82	72.57
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.43	
26 05 33	13-1768	EA	3-1/2" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	635.31	79.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.93	
26 05 33	13-1769	EA	4" x 5" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	822.83	86.85
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.14	
26 05 33	13-1770		Explosion Proof Flexible Conduit Couplings ^(26 05 33 13-1740)		
26 05 33	13-1771	EA	1/2" x 12" Explosion Proof Flexible Conduit Coupling.....	289.96	8.89
26 05 33	13-1772	EA	3/4" x 15" Explosion Proof Flexible Conduit Coupling.....	379.69	10.05
26 05 33	13-1773		Conduit Installed Below Grade ^(26 05 33 13-0057)		
			Note: By direct burial In trench or in concrete slabs or duct banks. Excludes trenching, backfilling and concrete.		
26 05 33	13-1774		Schedule 40 Polyvinyl Chloride (PVC) Conduit, Direct Burial ^(26 05 33 13-1773)		
26 05 33	13-1775		Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial ^(26 05 33 13-1774)		
			Note: Includes field bend conduit up to 1".		
26 05 33	13-1776	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	2.84	
			<i>For Schedule 60, Add</i>	0.18	
			<i>For Schedule 80, Add</i>	0.33	
26 05 33	13-1777	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	3.11	
			<i>For Schedule 60, Add</i>	0.20	
			<i>For Schedule 80, Add</i>	0.37	
26 05 33	13-1778	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	3.43	
			<i>For Schedule 60, Add</i>	0.24	
			<i>For Schedule 80, Add</i>	0.43	
26 05 33	13-1779	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	3.75	
			<i>For Schedule 60, Add</i>	0.28	
			<i>For Schedule 80, Add</i>	0.49	
26 05 33	13-1780	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	4.06	
			<i>For Schedule 60, Add</i>	0.32	
			<i>For Schedule 80, Add</i>	0.55	
26 05 33	13-1781	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	4.45	
			<i>For Schedule 60, Add</i>	0.37	
			<i>For Schedule 80, Add</i>	0.63	
26 05 33	13-1782	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	5.08	
			<i>For Schedule 60, Add</i>	0.49	
			<i>For Schedule 80, Add</i>	0.80	
26 05 33	13-1783	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	5.51	
			<i>For Schedule 60, Add</i>	0.55	
			<i>For Schedule 80, Add</i>	0.90	
26 05 33	13-1784	LF	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	6.11	
			<i>For Schedule 60, Add</i>	0.66	
			<i>For Schedule 80, Add</i>	1.06	
26 05 33	13-1785	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	6.49	
			<i>For Schedule 60, Add</i>	0.72	
			<i>For Schedule 80, Add</i>	1.14	
26 05 33	13-1786	LF	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	7.63	
			<i>For Schedule 60, Add</i>	0.96	
			<i>For Schedule 80, Add</i>	1.49	
26 05 33	13-1787	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	8.75	
			<i>For Schedule 60, Add</i>	1.20	
			<i>For Schedule 80, Add</i>	1.83	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33	13-1788		Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows, Direct Burial <small>(26 05 33 13-1774)</small> See CSI section 26 05 33 13-2234 for conduit field bending.		
26 05 33	13-1789	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	21.41	
			<i>For Schedule 60, Add</i>	1.24	
			<i>For Schedule 80, Add</i>	2.35	
26 05 33	13-1790	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	25.69	
			<i>For Schedule 60, Add</i>	1.48	
			<i>For Schedule 80, Add</i>	2.82	
26 05 33	13-1791	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	30.36	
			<i>For Schedule 60, Add</i>	1.83	
			<i>For Schedule 80, Add</i>	3.42	
26 05 33	13-1792	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	35.16	
			<i>For Schedule 60, Add</i>	2.20	
			<i>For Schedule 80, Add</i>	4.07	
26 05 33	13-1793	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	40.08	
			<i>For Schedule 60, Add</i>	2.61	
			<i>For Schedule 80, Add</i>	4.77	
26 05 33	13-1794	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	45.34	
			<i>For Schedule 60, Add</i>	3.10	
			<i>For Schedule 80, Add</i>	5.58	
26 05 33	13-1795	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	52.70	
			<i>For Schedule 60, Add</i>	4.12	
			<i>For Schedule 80, Add</i>	7.12	
26 05 33	13-1796	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	61.51	
			<i>For Schedule 60, Add</i>	5.50	
			<i>For Schedule 80, Add</i>	9.18	
26 05 33	13-1797	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	74.49	
			<i>For Schedule 60, Add</i>	7.09	
			<i>For Schedule 80, Add</i>	11.66	
26 05 33	13-1798	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	87.55	
			<i>For Schedule 60, Add</i>	8.71	
			<i>For Schedule 80, Add</i>	14.18	
26 05 33	13-1799	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	112.29	
			<i>For Schedule 60, Add</i>	13.25	
			<i>For Schedule 80, Add</i>	20.78	
26 05 33	13-1800	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	131.02	
			<i>For Schedule 60, Add</i>	16.29	
			<i>For Schedule 80, Add</i>	25.27	

26 05 33	13-1801		Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows, Direct Burial <small>(26 05 33 13-1774)</small> See CSI section 26 05 33 13-2234 for conduit field bending.		
26 05 33	13-1802	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	21.41	
			<i>For Schedule 60, Add</i>	1.24	
			<i>For Schedule 80, Add</i>	2.35	
26 05 33	13-1803	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	25.63	
			<i>For Schedule 60, Add</i>	1.47	
			<i>For Schedule 80, Add</i>	2.80	
26 05 33	13-1804	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	30.27	
			<i>For Schedule 60, Add</i>	1.81	
			<i>For Schedule 80, Add</i>	3.39	
26 05 33	13-1805	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	34.92	
			<i>For Schedule 60, Add</i>	2.14	
			<i>For Schedule 80, Add</i>	3.99	
26 05 33	13-1806	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	39.54	
			<i>For Schedule 60, Add</i>	2.48	
			<i>For Schedule 80, Add</i>	4.58	
26 05 33	13-1807	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	45.06	
			<i>For Schedule 60, Add</i>	3.03	
			<i>For Schedule 80, Add</i>	5.48	
26 05 33	13-1808	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	52.16	
			<i>For Schedule 60, Add</i>	3.98	
			<i>For Schedule 80, Add</i>	6.93	
26 05 33	13-1809	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	60.83	
			<i>For Schedule 60, Add</i>	5.33	
			<i>For Schedule 80, Add</i>	8.94	
26 05 33	13-1810	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	72.57	
			<i>For Schedule 60, Add</i>	6.61	
			<i>For Schedule 80, Add</i>	10.99	
26 05 33	13-1811	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	85.90	
			<i>For Schedule 60, Add</i>	8.30	
			<i>For Schedule 80, Add</i>	13.60	
26 05 33	13-1812	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	110.16	
			<i>For Schedule 60, Add</i>	12.72	
			<i>For Schedule 80, Add</i>	20.03	
26 05 33	13-1813	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	124.66	
			<i>For Schedule 60, Add</i>	14.70	
			<i>For Schedule 80, Add</i>	23.05	

26 05 33	13-1814		Polyvinyl Chloride (PVC) Conduit Female Adapters, Direct Burial <small>(26 05 33 13-1774)</small>		
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26 Electrical
26 05 Common Work Results For Electrical
26 05 33 Raceway And Boxes For Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1815	EA		1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.91 3.46	
26 05 33 13-1816	EA		3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.69 3.95	
26 05 33 13-1817	EA		1" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.53 4.45	
26 05 33 13-1818	EA		1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.44 4.94	
26 05 33 13-1819	EA		1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.18 5.44	
26 05 33 13-1820	EA		2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.27 5.93	
26 05 33 13-1821	EA		2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.02 6.67	
26 05 33 13-1822	EA		3" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.51 7.41	
26 05 33 13-1823	EA		3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.64 8.64	
26 05 33 13-1824	EA		4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.98 9.88	
26 05 33 13-1825	EA		5" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.24 11.12	
26 05 33 13-1826	EA		6" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.45 12.35	
26 05 33 13-1827 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug, Direct Burial <small>(26 05 33 13-1774)</small>					
26 05 33 13-1828	EA		1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	12.98	
26 05 33 13-1829	EA		3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	14.85	
26 05 33 13-1830	EA		1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	16.73	
26 05 33 13-1831	EA		1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	21.35	
26 05 33 13-1832	EA		1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	23.61	
26 05 33 13-1833	EA		2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	26.16	
26 05 33 13-1834	EA		2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	29.31	
26 05 33 13-1835	EA		3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	33.31	
26 05 33 13-1836	EA		3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	39.34	
26 05 33 13-1837	EA		4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	43.68	
26 05 33 13-1838	EA		5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	54.07	
26 05 33 13-1839	EA		6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	60.68	
26 05 33 13-1840 Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial <small>(26 05 33 13-1774)</small>					
26 05 33 13-1841	EA		1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial.....	11.85	
26 05 33 13-1842	EA		3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial.....	13.69	
26 05 33 13-1843	EA		1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial.....	15.44	
26 05 33 13-1844	EA		1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial.....	17.29	
26 05 33 13-1845	EA		1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	19.05	
26 05 33 13-1846	EA		2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	21.09	
26 05 33 13-1847	EA		2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	24.66	
26 05 33 13-1848	EA		3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	28.00	
26 05 33 13-1849	EA		3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	32.99	
26 05 33 13-1850	EA		4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	37.31	
26 05 33 13-1851	EA		5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	45.92	
26 05 33 13-1852	EA		6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	51.88	
26 05 33 13-1853 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <small>(26 05 33 13-1773)</small>					
Note: 40 mil Polyvinyl Chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney).					
26 05 33 13-1854 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <small>(26 05 33 13-1853)</small>					
Note: Includes field bending for conduit up to 1".					
26 05 33 13-1855	LF		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	10.46	1.85
			<i>For >250 To 500, Deduct</i>	-0.40	
			<i>For >500 To 1,000, Deduct</i>	-0.66	
			<i>For >1,000, Deduct</i>	-0.92	
26 05 33 13-1856	LF		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	11.78	2.30
			<i>For >250 To 500, Deduct</i>	-0.46	
			<i>For >500 To 1,000, Deduct</i>	-0.75	
			<i>For >1,000, Deduct</i>	-1.05	
26 05 33 13-1857	LF		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	14.58	2.56
			<i>For >250 To 500, Deduct</i>	-0.57	
			<i>For >500 To 1,000, Deduct</i>	-0.94	
			<i>For >1,000, Deduct</i>	-1.30	
26 05 33 13-1858	LF		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	17.72	3.44
			<i>For >250 To 500, Deduct</i>	-0.71	
			<i>For >500 To 1,000, Deduct</i>	-1.15	
			<i>For >1,000, Deduct</i>	-1.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1859 LF 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	20.90 -0.85 -1.37 -1.89	3.88
26 05 33 13-1860 LF 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	26.59 -1.09 -1.75 -2.42	4.24
26 05 33 13-1861 LF 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	38.84 -1.61 -2.58 -3.55	6.35
26 05 33 13-1862 LF 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	49.95 -2.06 -3.31 -4.55	7.94
26 05 33 13-1863 LF 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	61.57 -2.53 -4.07 -5.61	8.38
26 05 33 13-1864 LF 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	73.04 -2.99 -4.82 -6.64	9.26
26 05 33 13-1865 LF 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	116.05 -4.96 -7.87 -10.77	12.79
26 05 33 13-1866 LF 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	155.44 -6.71 -10.60 -14.49	16.77
26 05 33 13-1867 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings, Direct Burial <small>(26 05 33 13-1853)</small>		
26 05 33 13-1868 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	11.21	2.65
26 05 33 13-1869 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	13.26	3.53
26 05 33 13-1870 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	16.87	4.41
26 05 33 13-1871 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	19.09	4.85
26 05 33 13-1872 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	22.63	5.73
26 05 33 13-1873 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	29.58	6.61
26 05 33 13-1874 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	56.32	7.94
26 05 33 13-1875 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	71.17	11.02
26 05 33 13-1876 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	88.60	12.79
26 05 33 13-1877 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	108.96	17.65
26 05 33 13-1878 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	288.59	24.26
26 05 33 13-1879 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	295.51	13.67
26 05 33 13-1880 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows, Direct Burial <small>(26 05 33 13-1853)</small>		
<small>Note: 90, 45, or 30 degree.</small>		
26 05 33 13-1881 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	42.81	11.02
26 05 33 13-1882 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	48.89	13.67
26 05 33 13-1883 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	58.22	16.77
26 05 33 13-1884 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	69.17	19.41
26 05 33 13-1885 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	81.41	22.06
26 05 33 13-1886 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	100.59	24.26
26 05 33 13-1887 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	158.95	30.44
26 05 33 13-1888 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	239.66	41.46
26 05 33 13-1889 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	299.17	46.75
26 05 33 13-1890 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	339.14	60.87
26 05 33 13-1891 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	722.38	99.25
26 05 33 13-1892 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	1,140.28	149.10
26 05 33 13-1893 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1853)</small>		
26 05 33 13-1894 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	107.12	16.77

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1895	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	120.23	19.41
26 05 33 13-1896	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	137.31	22.06
26 05 33 13-1897	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	165.08	24.26
26 05 33 13-1898	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	231.95	30.44
26 05 33 13-1899		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1853)</small>		
26 05 33 13-1900	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	120.34	16.77
26 05 33 13-1901	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	142.08	19.41
26 05 33 13-1902	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	152.97	22.06
26 05 33 13-1903	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	199.25	24.26
26 05 33 13-1904	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	264.89	30.44
26 05 33 13-1905	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	337.36	41.46
26 05 33 13-1906		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1853)</small>		
26 05 33 13-1907	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	136.16	16.77
26 05 33 13-1908	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	153.46	19.41
26 05 33 13-1909	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	173.07	22.06
26 05 33 13-1910	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	210.58	24.26
26 05 33 13-1911	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	302.75	30.44
26 05 33 13-1912	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	381.80	41.46
26 05 33 13-1913	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	485.30	46.75
26 05 33 13-1914	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	541.92	60.87
26 05 33 13-1915		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1853)</small>		
26 05 33 13-1916	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	163.47	16.77
26 05 33 13-1917	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	180.17	19.41
26 05 33 13-1918	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	203.41	22.06
26 05 33 13-1919	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	254.26	24.26
26 05 33 13-1920	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	370.50	30.44
26 05 33 13-1921	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	457.10	41.46
26 05 33 13-1922	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	531.28	46.75
26 05 33 13-1923	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	626.32	60.87
26 05 33 13-1924		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1853)</small>		
26 05 33 13-1925	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	184.72	16.77
26 05 33 13-1926	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	205.04	19.41
26 05 33 13-1927	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	233.26	22.06
26 05 33 13-1928	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	292.28	24.26
26 05 33 13-1929	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	407.47	30.44
26 05 33 13-1930	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	517.33	41.46
26 05 33 13-1931	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	643.06	46.75



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1932 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	703.80	60.87
26 05 33 13-1933 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	1,174.71	99.25
26 05 33 13-1934 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1853)</small>		
26 05 33 13-1935 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	212.51	16.77
26 05 33 13-1936 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	235.08	19.41
26 05 33 13-1937 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	265.98	22.06
26 05 33 13-1938 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	334.44	24.26
26 05 33 13-1939 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	469.06	30.44
26 05 33 13-1940 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	594.07	41.46
26 05 33 13-1941 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	699.08	46.75
26 05 33 13-1942 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	803.83	60.87
26 05 33 13-1943 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	1,244.81	99.25
26 05 33 13-1944 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	1,694.19	149.10
26 05 33 13-1945 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1853)</small>		
26 05 33 13-1946 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	251.20	16.77
26 05 33 13-1947 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	261.87	19.41
26 05 33 13-1948 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	309.78	22.06
26 05 33 13-1949 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	393.14	24.26
26 05 33 13-1950 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	552.12	30.44
26 05 33 13-1951 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	697.52	41.46
26 05 33 13-1952 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	854.80	46.75
26 05 33 13-1953 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	998.41	60.87
26 05 33 13-1954 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,473.46	99.25
26 05 33 13-1955 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,799.14	149.10
26 05 33 13-1956 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1853)</small>		
26 05 33 13-1957 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	260.52	16.77
26 05 33 13-1958 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	307.17	19.41
26 05 33 13-1959 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	347.65	22.06
26 05 33 13-1960 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	410.80	24.26
26 05 33 13-1961 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	572.87	30.44
26 05 33 13-1962 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	729.33	41.46
26 05 33 13-1963 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	939.61	46.75
26 05 33 13-1964 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,042.54	60.87
26 05 33 13-1965 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,534.89	99.25
26 05 33 13-1966 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,852.47	149.10
26 05 33 13-1967 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions, Direct Burial <small>(26 05 33 13-1853)</small>		
26 05 33 13-1968 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	83.90	11.02

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1969	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	90.31	13.67
26 05 33 13-1970	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	117.92	16.77
26 05 33 13-1971	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	174.66	19.41
26 05 33 13-1972	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	207.96	22.06
26 05 33 13-1973	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	266.88	24.26
26 05 33 13-1974	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	356.48	30.44
26 05 33 13-1975	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	468.42	30.44
26 05 33 13-1976	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	599.05	46.75
26 05 33 13-1977	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	770.86	60.87
26 05 33 13-1978	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	1,411.77	99.25
26 05 33 13-1979	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	1,743.18	149.10
26 05 33 13-1980		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions, Direct Burial <small>(26 05 33 13-1983)</small>		
26 05 33 13-1981	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	85.98	11.02
26 05 33 13-1982	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	98.27	13.67
26 05 33 13-1983	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	122.16	16.77
26 05 33 13-1984	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	182.45	19.41
26 05 33 13-1985	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	218.76	22.06
26 05 33 13-1986	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	290.22	24.26
26 05 33 13-1987	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	406.41	30.44
26 05 33 13-1988	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	519.18	30.44
26 05 33 13-1989	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	690.84	46.75
26 05 33 13-1990	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	862.31	60.87
26 05 33 13-1991	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	1,579.40	99.25
26 05 33 13-1992	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	2,013.85	149.10
26 05 33 13-1993		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples, Direct Burial <small>(26 05 33 13-1983)</small>		
26 05 33 13-1994	EA	1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	28.12	5.29
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.17	
26 05 33 13-1995	EA	3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	31.10	6.61
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.97	
26 05 33 13-1996	EA	1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.62	8.38
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03	
26 05 33 13-1997	EA	1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.60	9.70
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.82	
26 05 33 13-1998	EA	1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	46.01	11.02
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.62	
26 05 33 13-1999	EA	1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	31.26	5.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.44	
26 05 33 13-2000	EA	3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	33.50	6.61
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.97	
26 05 33 13-2001	EA	1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.04	8.38
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03	
26 05 33 13-2002	EA	1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.16	9.70
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.82	
26 05 33 13-2003	EA	1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.77	11.02
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2004 EA 2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	52.61	12.35
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.41	
26 05 33 13-2005 EA 1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	31.43	5.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.44	
26 05 33 13-2006 EA 3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	33.67	6.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.97	
26 05 33 13-2007 EA 1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	38.35	8.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.03	
26 05 33 13-2008 EA 1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	45.49	9.70
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.82	
26 05 33 13-2009 EA 1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	49.11	11.02
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.62	
26 05 33 13-2010 EA 2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	53.47	12.35
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.41	
26 05 33 13-2011 EA 1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	33.70	5.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.44	
26 05 33 13-2012 EA 3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	35.94	6.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.97	
26 05 33 13-2013 EA 1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	40.79	8.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.03	
26 05 33 13-2014 EA 1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	46.88	9.70
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.82	
26 05 33 13-2015 EA 1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	50.64	11.02
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.62	
26 05 33 13-2016 EA 2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	56.16	12.35
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.41	
26 05 33 13-2017 EA 2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	79.93	14.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.00	
26 05 33 13-2018 EA 3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	102.55	20.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.44	
26 05 33 13-2019 EA 1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	33.87	5.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.44	
26 05 33 13-2020 EA 3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	36.25	6.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.97	
26 05 33 13-2021 EA 1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	41.12	8.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.03	
26 05 33 13-2022 EA 1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	48.27	9.70
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.82	
26 05 33 13-2023 EA 1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	52.17	11.02
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.62	
26 05 33 13-2024 EA 2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	58.84	12.35
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.41	
26 05 33 13-2025 EA 2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	82.30	14.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.00	
26 05 33 13-2026 EA 3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	107.66	20.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.44	
26 05 33 13-2027 EA 3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	129.31	23.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.03	
26 05 33 13-2028 EA 4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	149.20	30.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.26	
26 05 33 13-2029 EA 1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	34.18	5.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.44	
26 05 33 13-2030 EA 3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	36.59	6.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.97	
26 05 33 13-2031 EA 1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	41.48	8.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.03	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2032	EA		1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.92	9.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.82	
26 05 33 13-2033	EA		1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	52.85	11.02
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.62	
26 05 33 13-2034	EA		2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	60.30	12.35
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.41	
26 05 33 13-2035	EA		2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	91.74	14.99
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.00	
26 05 33 13-2036	EA		3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	115.30	20.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.44	
26 05 33 13-2037	EA		3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	130.94	23.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	
26 05 33 13-2038	EA		4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	153.56	30.44
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.26	
26 05 33 13-2039	EA		5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	227.98	41.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.14	
26 05 33 13-2040	EA		1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	34.78	5.73
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.44	
26 05 33 13-2041	EA		3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.19	6.61
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.97	
26 05 33 13-2042	EA		1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.13	8.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03	
26 05 33 13-2043	EA		1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	50.11	9.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.82	
26 05 33 13-2044	EA		1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	54.28	11.02
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.62	
26 05 33 13-2045	EA		2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	61.76	12.35
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.41	
26 05 33 13-2046	EA		2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	101.32	14.99
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.00	
26 05 33 13-2047	EA		3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	125.46	20.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.44	
26 05 33 13-2048	EA		3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	140.09	23.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	
26 05 33 13-2049	EA		4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	168.99	30.44
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.26	
26 05 33 13-2050	EA		5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	251.05	41.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.14	
26 05 33 13-2051	EA		1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.72	5.73
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.44	
26 05 33 13-2052	EA		3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.10	6.61
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.97	
26 05 33 13-2053	EA		1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.57	8.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03	
26 05 33 13-2054	EA		1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	50.43	9.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.82	
26 05 33 13-2055	EA		1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	57.21	11.02
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.62	
26 05 33 13-2056	EA		2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	68.90	12.35
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.41	
26 05 33 13-2057	EA		2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	113.11	14.99
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.00	
26 05 33 13-2058	EA		3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	139.35	20.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.44	
26 05 33 13-2059	EA		3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	162.99	23.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2060 EA 4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	192.16	30.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.26	
26 05 33 13-2061 EA 5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	266.86	41.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.14	
26 05 33 13-2062 EA 1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	36.70	5.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.44	
26 05 33 13-2063 EA 3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.06	6.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.97	
26 05 33 13-2064 EA 1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.98	8.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03	
26 05 33 13-2065 EA 1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	54.74	9.70
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.82	
26 05 33 13-2066 EA 1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	64.15	11.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.62	
26 05 33 13-2067 EA 2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	79.40	12.35
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.41	
26 05 33 13-2068 EA 2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	125.57	14.99
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.00	
26 05 33 13-2069 EA 3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	157.15	20.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.44	
26 05 33 13-2070 EA 3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	187.05	23.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	
26 05 33 13-2071 EA 4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	232.69	30.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.26	
26 05 33 13-2072 EA 5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	298.41	41.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.14	
26 05 33 13-2073 EA 1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.70	5.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.44	
26 05 33 13-2074 EA 3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.18	6.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.97	
26 05 33 13-2075 EA 1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.58	8.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03	
26 05 33 13-2076 EA 1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	61.83	9.70
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.82	
26 05 33 13-2077 EA 1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	72.56	11.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.62	
26 05 33 13-2078 EA 2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	87.83	12.35
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.41	
26 05 33 13-2079 EA 2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	142.19	14.99
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.00	
26 05 33 13-2080 EA 3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	183.84	20.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.44	
26 05 33 13-2081 EA 3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	201.80	23.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	
26 05 33 13-2082 EA 4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	245.13	30.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.26	
26 05 33 13-2083 EA 5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	302.92	41.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.14	
26 05 33 13-2084 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit <small>(26 05 33 13-1773)</small> Note: Direct burial or encased application.		
26 05 33 13-2085 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit <small>(26 05 33 13-2084)</small>		
26 05 33 13-2086 LF 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	4.64	1.07
<i>For Work In Restricted Working Space, Add</i>	0.80	
26 05 33 13-2087 LF 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	5.11	1.15
<i>For Work In Restricted Working Space, Add</i>	0.86	
26 05 33 13-2088 LF 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	5.43	1.23
<i>For Work In Restricted Working Space, Add</i>	0.92	
26 05 33 13-2089 LF 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	5.77	1.32
<i>For Work In Restricted Working Space, Add</i>	0.99	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2090	LF	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	6.19 1.05	1.40
26 05 33	13-2091	LF	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	6.47 1.11	1.48
26 05 33	13-2092	LF	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	7.21 1.17	1.56
26 05 33	13-2093	LF	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	8.08 1.24	1.64
26 05 33	13-2094	LF	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	8.79 1.30	1.73
26 05 33	13-2095	LF	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	9.48 1.36	1.81
26 05 33	13-2096	LF	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	10.93 1.42	1.89
26 05 33	13-2097	LF	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	12.68 1.48	1.97
26 05 33 13-2098 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-2094)</small>					
26 05 33	13-2099	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	57.15 6.17 3.77 5.72 7.66	8.23
26 05 33	13-2100	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	65.64 7.41 4.31 6.56 8.82	9.88
26 05 33	13-2101	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	70.17 8.64 4.54 7.02 9.49	11.53
26 05 33	13-2102	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	74.69 9.88 4.78 7.47 10.16	13.17
26 05 33	13-2103	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	79.22 11.12 5.02 7.92 10.83	14.82
26 05 33	13-2104	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	89.15 12.35 5.66 8.92 12.17	16.46
26 05 33	13-2105	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	102.73 13.59 6.57 10.27 13.97	18.12
26 05 33	13-2106	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	118.33 14.82 7.64 11.83 16.03	19.76
26 05 33	13-2107	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	135.18 17.29 8.70 13.52 18.34	23.05
26 05 33	13-2108	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	152.03 19.76 9.76 15.20 20.65	29.64
26 05 33	13-2109	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	181.80 22.23 11.78 18.18 24.58	29.64



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2110 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	216.95	32.93
<i>For Work In Restricted Working Space, Add</i>	24.70	
<i>For 24" Radius, Add</i>	14.21	
<i>For 36" Radius, Add</i>	21.70	
<i>For 48" Radius, Add</i>	29.18	
26 05 33 13-2111 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings <small>(26 05 33 13-2084)</small>		
26 05 33 13-2112 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	26.67	4.61
<i>For Work In Restricted Working Space, Add</i>	3.46	
26 05 33 13-2113 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	30.04	5.27
<i>For Work In Restricted Working Space, Add</i>	3.95	
26 05 33 13-2114 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	31.86	5.93
<i>For Work In Restricted Working Space, Add</i>	4.45	
26 05 33 13-2115 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	33.65	6.59
<i>For Work In Restricted Working Space, Add</i>	4.94	
26 05 33 13-2116 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	35.65	7.24
<i>For Work In Restricted Working Space, Add</i>	5.44	
26 05 33 13-2117 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	40.64	7.90
<i>For Work In Restricted Working Space, Add</i>	5.93	
26 05 33 13-2118 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	47.36	8.89
<i>For Work In Restricted Working Space, Add</i>	6.67	
26 05 33 13-2119 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	54.85	9.88
<i>For Work In Restricted Working Space, Add</i>	7.41	
26 05 33 13-2120 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	62.73	11.53
<i>For Work In Restricted Working Space, Add</i>	8.64	
26 05 33 13-2121 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	70.62	13.17
<i>For Work In Restricted Working Space, Add</i>	9.88	
26 05 33 13-2122 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	84.16	14.82
<i>For Work In Restricted Working Space, Add</i>	11.12	
26 05 33 13-2123 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	100.03	16.46
<i>For Work In Restricted Working Space, Add</i>	12.35	
26 05 33 13-2124 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings <small>(26 05 33 13-2084)</small>		
26 05 33 13-2125 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	20.07	4.61
<i>For Work In Restricted Working Space, Add</i>	3.46	
26 05 33 13-2126 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	22.66	5.27
<i>For Work In Restricted Working Space, Add</i>	3.95	
26 05 33 13-2127 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	24.41	5.93
<i>For Work In Restricted Working Space, Add</i>	4.45	
26 05 33 13-2128 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	26.15	6.59
<i>For Work In Restricted Working Space, Add</i>	4.94	
26 05 33 13-2129 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	27.91	7.24
<i>For Work In Restricted Working Space, Add</i>	5.44	
26 05 33 13-2130 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	29.61	7.90
<i>For Work In Restricted Working Space, Add</i>	5.93	
26 05 33 13-2131 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	34.05	8.89
<i>For Work In Restricted Working Space, Add</i>	6.67	
26 05 33 13-2132 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	38.89	9.88
<i>For Work In Restricted Working Space, Add</i>	7.41	
26 05 33 13-2133 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	44.77	11.53
<i>For Work In Restricted Working Space, Add</i>	8.64	
26 05 33 13-2134 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	50.66	13.17
<i>For Work In Restricted Working Space, Add</i>	9.88	
26 05 33 13-2135 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	59.24	14.82
<i>For Work In Restricted Working Space, Add</i>	11.12	
26 05 33 13-2136 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	68.87	16.46
<i>For Work In Restricted Working Space, Add</i>	12.35	
26 05 33 13-2137 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings <small>(26 05 33 13-2084)</small>		
26 05 33 13-2138 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	17.21	2.63
<i>For Work In Restricted Working Space, Add</i>	1.98	
26 05 33 13-2139 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	19.21	2.96
<i>For Work In Restricted Working Space, Add</i>	2.22	
26 05 33 13-2140 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	20.16	3.29
<i>For Work In Restricted Working Space, Add</i>	2.47	
26 05 33 13-2141 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	21.05	3.63
<i>For Work In Restricted Working Space, Add</i>	2.72	
26 05 33 13-2142 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	22.16	3.96
<i>For Work In Restricted Working Space, Add</i>	2.96	
26 05 33 13-2143 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	26.15	4.61
<i>For Work In Restricted Working Space, Add</i>	3.46	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2144	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	31.53 4.20	5.60
26 05 33	13-2145	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	37.50 4.94	6.59
26 05 33	13-2146	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	44.24 6.17	8.23
26 05 33	13-2147	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	50.99 7.41	9.88
26 05 33	13-2148	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	61.66 8.64	11.53
26 05 33	13-2149	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	74.01 9.88	13.17
26 05 33 13-2150 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints <small>(26 05 33 13-2084)</small>					
26 05 33	13-2151	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	52.86 12.35	16.46
26 05 33	13-2152	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	62.38 14.82	19.76
26 05 33	13-2153	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	70.76 17.29	23.05
26 05 33	13-2154	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	79.08 19.76	26.35
26 05 33	13-2155	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	83.50 21.00	27.99
26 05 33	13-2156	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	90.18 22.23	29.64
26 05 33	13-2157	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	97.52 23.47	31.29
26 05 33	13-2158	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	105.49 24.70	32.93
26 05 33	13-2159	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	112.51 25.94	34.58
26 05 33	13-2160	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	119.52 27.17	36.22
26 05 33	13-2161	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	130.87 28.40	37.88
26 05 33	13-2162	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	144.03 29.64	39.52
26 05 33 13-2163 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints <small>(26 05 33 13-2084)</small>					
26 05 33	13-2164	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	57.62 12.35	16.46
26 05 33	13-2165	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	67.71 14.82	19.76
26 05 33	13-2166	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	76.12 17.29	23.05
26 05 33	13-2167	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	84.49 19.76	26.35
26 05 33	13-2168	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	88.96 21.00	27.99
26 05 33	13-2169	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	96.41 22.23	29.64
26 05 33	13-2170	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	105.00 23.47	31.29
26 05 33	13-2171	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	114.47 24.70	32.93
26 05 33	13-2172	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	122.61 25.94	34.58
26 05 33	13-2173	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	130.75 27.17	36.22
26 05 33	13-2174	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	144.94 28.40	37.88
26 05 33	13-2175	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	161.62 29.64	39.52
26 05 33 13-2176 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters <small>(26 05 33 13-2084)</small>					
26 05 33	13-2177	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	50.66 3.46	4.61
26 05 33	13-2178	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	56.64 3.95	5.27
26 05 33	13-2179	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	59.62 4.45	5.93
26 05 33	13-2180	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	62.65 4.94	6.59
26 05 33	13-2181	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	65.03 5.44	7.24



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2182 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	71.14	7.90
For Work In Restricted Working Space, Add	5.93	
26 05 33 13-2183 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	83.89	8.89
For Work In Restricted Working Space, Add	6.67	
26 05 33 13-2184 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	98.65	9.88
For Work In Restricted Working Space, Add	7.41	
26 05 33 13-2185 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	112.01	11.53
For Work In Restricted Working Space, Add	8.64	
26 05 33 13-2186 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	125.38	13.17
For Work In Restricted Working Space, Add	9.88	
26 05 33 13-2187 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	152.64	14.82
For Work In Restricted Working Space, Add	11.12	
26 05 33 13-2188 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	184.76	16.46
For Work In Restricted Working Space, Add	12.35	
26 05 33 13-2189 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints <small>(26 05 33 13-2084)</small>		
26 05 33 13-2190 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	65.88	16.46
For Work In Restricted Working Space, Add	12.35	
26 05 33 13-2191 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	76.87	19.76
For Work In Restricted Working Space, Add	14.82	
26 05 33 13-2192 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	91.57	23.05
For Work In Restricted Working Space, Add	17.29	
26 05 33 13-2193 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	111.62	26.35
For Work In Restricted Working Space, Add	19.76	
26 05 33 13-2194 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	132.71	27.99
For Work In Restricted Working Space, Add	21.00	
26 05 33 13-2195 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	167.05	29.64
For Work In Restricted Working Space, Add	22.23	
26 05 33 13-2196 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	224.49	31.29
For Work In Restricted Working Space, Add	23.47	
26 05 33 13-2197 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	263.70	32.93
For Work In Restricted Working Space, Add	24.70	
26 05 33 13-2198 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	309.51	34.58
For Work In Restricted Working Space, Add	25.94	
26 05 33 13-2199 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	355.32	36.22
For Work In Restricted Working Space, Add	27.17	
26 05 33 13-2200 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	409.16	37.88
For Work In Restricted Working Space, Add	28.40	
26 05 33 13-2201 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	632.68	39.52
For Work In Restricted Working Space, Add	29.64	
26 05 33 13-2202 Spacers <small>(26 05 33 13-1773)</small>		
Note: For concrete encasement applications. See CSI section 03 31 13 00-0039 for concrete., 26 05 33 13-1773 for conduit.		
26 05 33 13-2203 EA 1" Base Spacers, Average 4" Wide, Direct Burial	8.56	
26 05 33 13-2204 EA 1" Intermediate Spacers, Average 4" Wide, Direct Burial	9.22	
26 05 33 13-2205 EA 1-1/4" Base Spacer, Average 4" Wide, Direct Burial	10.20	
26 05 33 13-2206 EA 1-1/4" Intermediate Spacers, Average 4" Wide, Direct Burial	11.01	
26 05 33 13-2207 EA 1-1/2" Base Spacer, Average 4" Wide, Direct Burial	10.28	
26 05 33 13-2208 EA 1-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	11.06	
26 05 33 13-2209 EA 2" Base Spacer, Average 4" Wide, Direct Burial	12.81	
26 05 33 13-2210 EA 2" Intermediate Spacers, Average 4" Wide, Direct Burial	11.89	
26 05 33 13-2211 EA 2-1/2" Base Spacer, Average 4" Wide, Direct Burial	14.16	
26 05 33 13-2212 EA 2-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	13.69	
26 05 33 13-2213 EA 3" Base Spacer, Average 4" Wide, Direct Burial	16.23	
26 05 33 13-2214 EA 3" Intermediate Spacers, Average 4" Wide, Direct Burial	15.48	
26 05 33 13-2215 EA 3-1/2" Base Spacer, Average 4" Wide, Direct Burial	17.58	
26 05 33 13-2216 EA 3-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	16.80	
26 05 33 13-2217 EA 4" Base Spacer, Average 4" Wide, Direct Burial	18.11	
26 05 33 13-2218 EA 4" Intermediate Spacers, Average 4" Wide, Direct Burial	17.27	
26 05 33 13-2219 EA 5" Base Spacer, Average 4" Wide, Direct Burial	20.02	
26 05 33 13-2220 EA 5" Intermediate Spacers, Average 4" Wide, Direct Burial	19.03	
26 05 33 13-2221 EA 6" Base Spacer, Average 4" Wide, Direct Burial	22.46	
26 05 33 13-2222 EA 6" Intermediate Spacers, Average 4" Wide, Direct Burial	21.64	
26 05 33 13-2223 Conduit Field Bending <small>(26 05 33 13-0057)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2224 Metallic Conduit Field Bending <small>(26 05 33 13-2223)</small>		
Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT), Intermediate Metal Conduit (IMC) and aluminum conduits.		
26 05 33 13-2225 EA 1-1/4" Metallic Conduit Field Bending	14.84	
26 05 33 13-2226 EA 1-1/2" Metallic Conduit Field Bending	19.78	
26 05 33 13-2227 EA 2" Metallic Conduit Field Bending	24.72	
26 05 33 13-2228 EA 2-1/2" Metallic Conduit Field Bending	34.62	
26 05 33 13-2229 EA 3" Metallic Conduit Field Bending	44.50	
26 05 33 13-2230 EA 3-1/2" Metallic Conduit Field Bending	54.40	
26 05 33 13-2231 EA 4" Metallic Conduit Field Bending	64.29	
26 05 33 13-2232 EA 5" Metallic Conduit Field Bending	79.12	
26 05 33 13-2233 EA 6" Metallic Conduit Field Bending	93.96	
26 05 33 13-2234 Plastic Conduit Field Bending <small>(26 05 33 13-2223)</small>		
Note: For PVC conduits.		
26 05 33 13-2235 EA 1" Plastic Conduit Field Bending	22.75	
26 05 33 13-2236 EA 1-1/4" Plastic Conduit Field Bending	24.72	
26 05 33 13-2237 EA 1-1/2" Plastic Conduit Field Bending	29.68	
26 05 33 13-2238 EA 2" Plastic Conduit Field Bending	39.56	
26 05 33 13-2239 EA 2-1/2" Plastic Conduit Field Bending	49.46	
26 05 33 13-2240 EA 3" Plastic Conduit Field Bending	59.34	
26 05 33 13-2241 EA 3-1/2" Plastic Conduit Field Bending	69.24	
26 05 33 13-2242 EA 4" Plastic Conduit Field Bending	79.12	
26 05 33 13-2243 EA 5" Plastic Conduit Field Bending	89.02	
26 05 33 13-2244 EA 6" Plastic Conduit Field Bending	98.90	
26 05 33 13-2245 Cut And Thread Existing In-Place Threaded Conduit <small>(26 05 33 13-0057)</small>		
Note: For use when connecting conduit to an existing in-place system.		
26 05 33 13-2246 EA 1/2", Cut And Thread Existing In-Place Threaded Conduit	28.99	
For Work In Restricted Working Space, Add	8.70	
26 05 33 13-2247 EA 3/4", Cut And Thread Existing In-Place Threaded Conduit	31.89	
For Work In Restricted Working Space, Add	9.57	
26 05 33 13-2248 EA 1", Cut And Thread Existing In-Place Threaded Conduit	34.79	
For Work In Restricted Working Space, Add	10.44	
26 05 33 13-2249 EA 1-1/4", Cut And Thread Existing In-Place Threaded Conduit	37.69	
For Work In Restricted Working Space, Add	11.31	
26 05 33 13-2250 EA 1-1/2", Cut And Thread Existing In-Place Threaded Conduit	39.62	
For Work In Restricted Working Space, Add	11.89	
26 05 33 13-2251 EA 2", Cut And Thread Existing In-Place Threaded Conduit	41.56	
For Work In Restricted Working Space, Add	12.47	
26 05 33 13-2252 EA 2-1/2", Cut And Thread Existing In-Place Threaded Conduit	43.49	
For Work In Restricted Working Space, Add	13.05	
26 05 33 13-2253 EA 3", Cut And Thread Existing In-Place Threaded Conduit	45.42	
For Work In Restricted Working Space, Add	13.63	
26 05 33 13-2254 EA 3-1/2", Cut And Thread Existing In-Place Threaded Conduit	46.38	
For Work In Restricted Working Space, Add	13.91	
26 05 33 13-2255 EA 4", Cut And Thread Existing In-Place Threaded Conduit	47.36	
For Work In Restricted Working Space, Add	14.21	
26 05 33 13-2256 EA 5", Cut And Thread Existing In-Place Threaded Conduit	49.28	
For Work In Restricted Working Space, Add	14.78	
26 05 33 13-2257 EA 6", Cut And Thread Existing In-Place Threaded Conduit	51.22	
For Work In Restricted Working Space, Add	15.37	
26 05 33 13-2258 Flexible Conduit <small>(26 05 33 13-0057)</small>		
26 05 33 13-2259 Flexible Liquid Tight Metallic Conduit And Connectors <small>(26 05 33 13-2258)</small>		
Note: Steel inner core with PVC cover.		
26 05 33 13-2260 Flexible Liquid Tight Metallic Conduit <small>(26 05 33 13-2259)</small>		
26 05 33 13-2261 LF 3/8" Flexible Liquid Tight Metallic Conduit	3.63	1.06
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.40	
For Work In Restricted Working Space, Add	0.80	
26 05 33 13-2262 LF 1/2" Flexible Liquid Tight Metallic Conduit	3.77	1.06
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.40	
For Work In Restricted Working Space, Add	0.80	
26 05 33 13-2263 LF 3/4" Flexible Liquid Tight Metallic Conduit	5.06	1.41
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.53	
For Work In Restricted Working Space, Add	1.06	
26 05 33 13-2264 LF 1" Flexible Liquid Tight Metallic Conduit	5.83	1.41
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.53	
For Work In Restricted Working Space, Add	1.06	
26 05 33 13-2265 LF 1-1/4" Flexible Liquid Tight Metallic Conduit	7.55	1.76
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.66	
For Work In Restricted Working Space, Add	1.32	
26 05 33 13-2266 LF 1-1/2" Flexible Liquid Tight Metallic Conduit	9.70	2.11
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.79	
For Work In Restricted Working Space, Add	1.59	
26 05 33 13-2267 LF 2" Flexible Liquid Tight Metallic Conduit	12.76	2.83
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.06	
For Work In Restricted Working Space, Add	2.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2268 LF 2-1/2" Flexible Liquid Tight Metallic Conduit..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add</i>	17.36 1.19 2.38	3.18
26 05 33 13-2269 LF 3" Flexible Liquid Tight Metallic Conduit..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add</i>	25.54 1.46 2.91	3.88
26 05 33 13-2270 LF 4" Flexible Liquid Tight Metallic Conduit..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add</i>	34.96 1.85 3.71	4.94
26 05 33 13-2271 Straight Liquid Tight Connector (26 05 33 13-2259)		
26 05 33 13-2272 EA 3/8" Straight Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.85 2.12 2.12	2.83
26 05 33 13-2273 EA 1/2" Straight Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.85 2.12 2.12	2.83
26 05 33 13-2274 EA 3/4" Straight Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.94 2.38 2.38	3.18
26 05 33 13-2275 EA 1" Straight Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.96 2.65 2.65	3.53
26 05 33 13-2276 EA 1-1/4" Straight Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.50 2.91 2.91	3.88
26 05 33 13-2277 EA 1-1/2" Straight Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.99 3.17 3.17	4.24
26 05 33 13-2278 EA 2" Straight Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.82 3.71 3.71	4.94
26 05 33 13-2279 EA 2-1/2" Straight Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	122.44 4.77 4.77	6.35
26 05 33 13-2280 EA 3" Straight Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	157.88 5.03 5.03	6.70
26 05 33 13-2281 EA 4" Straight Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	193.22 7.41 7.41	9.88
26 05 33 13-2282 90 Degree Angle Liquid Tight Connector (26 05 33 13-2259)		
26 05 33 13-2283 EA 3/8" 90 Degree Angle Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.37 2.91 2.91	3.88
26 05 33 13-2284 EA 1/2" 90 Degree Angle Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.97 2.91 2.91	3.88
26 05 33 13-2285 EA 3/4" 90 Degree Angle Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.92 3.17 3.17	4.24
26 05 33 13-2286 EA 1" 90 Degree Angle Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.87 3.71 3.71	4.94
26 05 33 13-2287 EA 1-1/4" 90 Degree Angle Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.08 3.97 3.97	5.29
26 05 33 13-2288 EA 1-1/2" 90 Degree Angle Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.49 4.23 4.23	5.64
26 05 33 13-2289 EA 2" 90 Degree Angle Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.29 4.77 4.77	6.35
26 05 33 13-2290 EA 2-1/2" 90 Degree Angle Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	171.07 5.03 5.03	6.70
26 05 33 13-2291 EA 3" 90 Degree Angle Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	202.13 5.82 5.82	7.77
26 05 33 13-2292 EA 4" 90 Degree Angle Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	279.60 9.26 9.26	12.35
26 05 33 13-2293 45 Degree Angle Connector (26 05 33 13-2259)		
26 05 33 13-2294 EA 3/8" 45 Degree Angle Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.16 2.91 2.91	3.88
26 05 33 13-2295 EA 1/2" 45 Degree Angle Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.31 2.91 2.91	3.88

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2296 EA 3/4" 45 Degree Angle Liquid Tight Connector.....	16.92	4.24
For Work In Restricted Working Space, Add	3.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.17	
26 05 33 13-2297 EA 1" 45 Degree Angle Liquid Tight Connector.....	25.51	4.94
For Work In Restricted Working Space, Add	3.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.71	
26 05 33 13-2298 EA 1-1/4" 45 Degree Angle Liquid Tight Connector.....	29.01	5.29
For Work In Restricted Working Space, Add	3.97	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.97	
26 05 33 13-2299 EA 1-1/2" 45 Degree Angle Liquid Tight Connector.....	32.51	5.64
For Work In Restricted Working Space, Add	4.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.23	
26 05 33 13-2300 Flexible Metallic Conduit And Connectors <small>(26 05 33 13-2258)</small>		
26 05 33 13-2301 Flexible Steel Conduit <small>(26 05 33 13-2300)</small>		
26 05 33 13-2302 LF 3/8" Flexible Metallic Conduit.....	3.28	1.16
For Flexible Aluminum Conduit, Add	0.07	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.42	
For Installation In Metal Stud Wall, Add	0.28	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.71	
For Work In Restricted Working Space, Add	0.85	
26 05 33 13-2303 LF 1/2" Flexible Metallic Conduit.....	3.39	1.16
For Flexible Aluminum Conduit, Add	0.08	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.44	
For Installation In Metal Stud Wall, Add	0.29	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.73	
For Work In Restricted Working Space, Add	0.87	
26 05 33 13-2304 LF 3/4" Flexible Metallic Conduit.....	3.81	1.54
For Flexible Aluminum Conduit, Add	0.11	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.47	
For Installation In Metal Stud Wall, Add	0.31	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.79	
For Work In Restricted Working Space, Add	0.94	
26 05 33 13-2305 LF 1" Flexible Metallic Conduit.....	4.64	1.54
For Flexible Aluminum Conduit, Add	0.21	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.51	
For Installation In Metal Stud Wall, Add	0.34	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.85	
For Work In Restricted Working Space, Add	1.01	
26 05 33 13-2306 LF 1-1/4" Flexible Metallic Conduit.....	5.21	1.93
For Flexible Aluminum Conduit, Add	0.27	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.54	
For Installation In Metal Stud Wall, Add	0.36	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.89	
For Work In Restricted Working Space, Add	1.07	
26 05 33 13-2307 LF 1-1/2" Flexible Metallic Conduit.....	6.60	2.31
For Flexible Aluminum Conduit, Add	0.48	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.56	
For Installation In Metal Stud Wall, Add	0.37	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.93	
For Work In Restricted Working Space, Add	1.12	
26 05 33 13-2308 LF 2" Flexible Metallic Conduit.....	7.39	3.09
For Flexible Aluminum Conduit, Add	0.58	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.58	
For Installation In Metal Stud Wall, Add	0.39	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.97	
For Work In Restricted Working Space, Add	1.16	
26 05 33 13-2309 LF 2-1/2" Flexible Steel Conduit.....	9.10	3.48
For Flexible Aluminum Conduit, Add	0.70	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.72	
For Installation In Metal Stud Wall, Add	0.48	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.21	
For Work In Restricted Working Space, Add	1.45	
26 05 33 13-2310 LF 3" Flexible Metallic Conduit.....	13.21	4.25
For Flexible Aluminum Conduit, Add	1.22	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.87	
For Installation In Metal Stud Wall, Add	0.58	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.45	
For Work In Restricted Working Space, Add	1.74	
26 05 33 13-2311 LF 3-1/2" Flexible Metallic Conduit.....	16.10	4.63
For Flexible Aluminum Conduit, Add	1.54	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.01	
For Installation In Metal Stud Wall, Add	0.68	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.69	
For Work In Restricted Working Space, Add	2.03	
26 05 33 13-2312 LF 4" Flexible Metallic Conduit.....	18.51	5.40
For Flexible Aluminum Conduit, Add	1.78	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.16	
For Installation In Metal Stud Wall, Add	0.77	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.93	
For Work In Restricted Working Space, Add	2.32	

26 05 33 13-2313 Plain Squeeze Type Straight Connector (26 05 33 13-2300)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2314	EA	3/8" Flexible Straight Connectors, Plain.....	5.48	3.09
			<i>For Work In Restricted Working Space, Add</i>	1.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.30	
26 05 33	13-2315	EA	1/2" Flexible Straight Connectors, Plain.....	6.64	3.48
			<i>For Work In Restricted Working Space, Add</i>	1.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.45	
26 05 33	13-2316	EA	3/4" Flexible Straight Connectors, Plain.....	7.69	4.25
			<i>For Work In Restricted Working Space, Add</i>	1.74	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.74	
26 05 33	13-2317	EA	1" Flexible Straight Connectors, Plain.....	11.90	4.63
			<i>For Work In Restricted Working Space, Add</i>	2.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.32	
26 05 33	13-2318	EA	1-1/4" Flexible Straight Connectors, Plain.....	16.49	5.40
			<i>For Work In Restricted Working Space, Add</i>	2.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.90	
26 05 33	13-2319	EA	1-1/2" Flexible Straight Connectors, Plain.....	21.56	6.56
			<i>For Work In Restricted Working Space, Add</i>	3.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.62	
26 05 33	13-2320	EA	2" Flexible Straight Connectors, Plain.....	27.99	6.56
			<i>For Work In Restricted Working Space, Add</i>	4.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.34	
26 05 33	13-2321	EA	2-1/2" Flexible Straight Connectors, Plain.....	43.43	8.11
			<i>For Work In Restricted Working Space, Add</i>	5.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.07	
26 05 33	13-2322	EA	3" Flexible Straight Connectors, Plain.....	56.09	8.88
			<i>For Work In Restricted Working Space, Add</i>	5.79	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 05 33	13-2323	EA	3-1/2" Flexible Straight Connectors, Plain.....	164.00	10.42
			<i>For Work In Restricted Working Space, Add</i>	6.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.51	
26 05 33	13-2324	EA	4" Flexible Straight Connectors, Plain.....	204.14	12.73
			<i>For Work In Restricted Working Space, Add</i>	7.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
26 05 33	13-2325		Insulated Throat Squeeze Type Straight Connector (26 05 33 13-2300)		
26 05 33	13-2326	EA	1/2" Flexible Straight Connectors, Insulated.....	7.26	3.48
			<i>For Work In Restricted Working Space, Add</i>	1.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.45	
26 05 33	13-2327	EA	3/4" Flexible Straight Connectors, Insulated.....	8.51	4.25
			<i>For Work In Restricted Working Space, Add</i>	1.74	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.74	
26 05 33	13-2328	EA	1" Flexible Straight Connectors, Insulated.....	13.01	4.63
			<i>For Work In Restricted Working Space, Add</i>	2.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.32	
26 05 33	13-2329	EA	1-1/4" Flexible Straight Connectors, Insulated.....	18.53	5.40
			<i>For Work In Restricted Working Space, Add</i>	2.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.90	
26 05 33	13-2330	EA	1-1/2" Flexible Straight Connectors, Insulated.....	25.19	5.79
			<i>For Work In Restricted Working Space, Add</i>	3.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.62	
26 05 33	13-2331	EA	2" Flexible Straight Connectors, Insulated.....	34.40	6.56
			<i>For Work In Restricted Working Space, Add</i>	4.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.34	
26 05 33	13-2332	EA	2-1/2" Flexible Straight Connectors, Insulated.....	57.15	8.11
			<i>For Work In Restricted Working Space, Add</i>	5.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.07	
26 05 33	13-2333	EA	3" Flexible Straight Connectors, Insulated.....	72.27	8.88
			<i>For Work In Restricted Working Space, Add</i>	5.79	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 05 33	13-2334	EA	3-1/2" Flexible Straight Connectors, Insulated.....	188.93	10.42
			<i>For Work In Restricted Working Space, Add</i>	6.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.51	
26 05 33	13-2335	EA	4" Flexible Straight Connectors, Insulated.....	241.63	12.73
			<i>For Work In Restricted Working Space, Add</i>	7.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
26 05 33	13-2336		Plain Squeeze Type 90 Degree Connector (26 05 33 13-2300)		
26 05 33	13-2337	EA	3/8" Flexible 90 Degree Connector, Plain.....	7.61	3.86
			<i>For Work In Restricted Working Space, Add</i>	1.74	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.74	
26 05 33	13-2338	EA	1/2" Flexible 90 Degree Connector, Plain.....	9.80	4.25
			<i>For Work In Restricted Working Space, Add</i>	2.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.03	
26 05 33	13-2339	EA	3/4" Flexible 90 Degree Connector, Plain.....	12.50	4.63
			<i>For Work In Restricted Working Space, Add</i>	2.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.32	
26 05 33	13-2340	EA	1" Flexible 90 Degree Connector, Plain.....	17.19	5.40
			<i>For Work In Restricted Working Space, Add</i>	2.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.90	
26 05 33	13-2341	EA	1-1/4" Flexible 90 Degree Connector, Plain.....	25.90	5.79
			<i>For Work In Restricted Working Space, Add</i>	3.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.47	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2342 EA 1-1/2" Flexible 90 Degree Connector, Plain.....	39.50	6.75
<i>For Work In Restricted Working Space, Add</i>	4.34	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.34	
26 05 33 13-2343 EA 2" Flexible 90 Degree Connector, Plain.....	47.35	8.30
<i>For Work In Restricted Working Space, Add</i>	4.92	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.92	
26 05 33 13-2344 EA 2-1/2" Flexible 90 Degree Connector, Plain.....	99.96	8.88
<i>For Work In Restricted Working Space, Add</i>	5.79	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 05 33 13-2345 EA 3" Flexible 90 Degree Connector, Plain.....	127.60	10.42
<i>For Work In Restricted Working Space, Add</i>	6.51	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.51	
26 05 33 13-2346 EA 3-1/2" Flexible 90 Degree Connector, Plain.....	264.94	12.73
<i>For Work In Restricted Working Space, Add</i>	7.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
26 05 33 13-2347 EA 4" Flexible 90 Degree Connector, Plain.....	469.61	14.48
<i>For Work In Restricted Working Space, Add</i>	8.69	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.69	
26 05 33 13-2348 Insulated Throat Squeeze Type 90 Degree Connector <small>(26 05 33 13-2300)</small>		
26 05 33 13-2349 EA 1/2" Flexible 90 Degree Connector, Insulated.....	10.67	4.25
<i>For Work In Restricted Working Space, Add</i>	2.03	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.03	
26 05 33 13-2350 EA 3/4" Flexible 90 Degree Connector, Insulated.....	13.56	4.63
<i>For Work In Restricted Working Space, Add</i>	2.32	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.32	
26 05 33 13-2351 EA 1" Flexible 90 Degree Connector, Insulated.....	17.19	5.40
<i>For Work In Restricted Working Space, Add</i>	2.90	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.90	
26 05 33 13-2352 EA 1-1/4" Flexible 90 Degree Connector, Insulated.....	29.68	5.79
<i>For Work In Restricted Working Space, Add</i>	3.47	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.47	
26 05 33 13-2353 EA 1-1/2" Flexible 90 Degree Connector, Insulated.....	46.38	6.75
<i>For Work In Restricted Working Space, Add</i>	4.34	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.34	
26 05 33 13-2354 EA 2" Flexible 90 Degree Connector, Insulated.....	58.52	8.30
<i>For Work In Restricted Working Space, Add</i>	4.92	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.92	
26 05 33 13-2355 EA 2-1/2" Flexible 90 Degree Connector, Insulated.....	134.89	8.88
<i>For Work In Restricted Working Space, Add</i>	5.79	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 05 33 13-2356 EA 3" Flexible 90 Degree Connector, Insulated.....	165.45	10.42
<i>For Work In Restricted Working Space, Add</i>	6.51	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.51	
26 05 33 13-2357 EA 3-1/2" Flexible 90 Degree Connector, Insulated.....	436.48	12.73
<i>For Work In Restricted Working Space, Add</i>	7.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
26 05 33 13-2358 EA 4" Flexible 90 Degree Connector, Insulated.....	649.27	14.48
<i>For Work In Restricted Working Space, Add</i>	8.69	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.69	
26 05 33 13-2359 Plain Squeeze Type 45 Degree Connector <small>(26 05 33 13-2300)</small>		
26 05 33 13-2360 EA 3/8" Flexible 45 Degree Connector, Plain.....	8.31	3.86
<i>For Work In Restricted Working Space, Add</i>	1.74	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.74	
26 05 33 13-2361 EA 1/2" Flexible 45 Degree Connector, Plain.....	10.92	4.25
<i>For Work In Restricted Working Space, Add</i>	2.03	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.03	
26 05 33 13-2362 EA 3/4" Flexible 45 Degree Connector, Plain.....	13.74	4.63
<i>For Work In Restricted Working Space, Add</i>	2.32	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.32	
26 05 33 13-2363 Insulated Squeeze Type 45 Degree Connector <small>(26 05 33 13-2300)</small>		
26 05 33 13-2364 EA 3/8" Flexible 45 Degree Connector, Insulated.....	8.79	4.63
<i>For Work In Restricted Working Space, Add</i>	1.74	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.74	
26 05 33 13-2365 EA 1/2" Flexible 45 Degree Connector, Insulated.....	11.71	4.25
<i>For Work In Restricted Working Space, Add</i>	2.03	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.03	
26 05 33 13-2366 EA 3/4" Flexible 45 Degree Connector, Insulated.....	14.86	4.63
<i>For Work In Restricted Working Space, Add</i>	2.32	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.32	
26 05 33 13-2367 Plain Screw-In Connector <small>(26 05 33 13-2300)</small>		
26 05 33 13-2368 EA 3/8" Flexible Steel Screw-in Connector, Plain.....	4.76	3.09
<i>For Work In Restricted Working Space, Add</i>	1.30	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.30	
26 05 33 13-2369 EA 1/2" Flexible Steel Screw-in Connector, Plain.....	5.18	3.48
<i>For Work In Restricted Working Space, Add</i>	1.45	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2370 EA 3/4" Flexible Steel Screw-in Connector, Plain.....	6.50	4.25
For Work In Restricted Working Space, Add	1.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.74	
26 05 33 13-2371 EA 1" Flexible Steel Screw-in Connector, Plain.....	9.15	4.63
For Work In Restricted Working Space, Add	2.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.32	
26 05 33 13-2372 EA 1-1/4" Flexible Steel Screw-in Connector, Plain	12.99	5.40
For Work In Restricted Working Space, Add	2.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.90	
26 05 33 13-2373 EA 1-1/2" Flexible Steel Screw-in Connector, Plain	15.95	5.79
For Work In Restricted Working Space, Add	3.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.62	
26 05 33 13-2374 EA 2" Flexible Steel Screw-in Connector, Plain.....	22.55	6.56
For Work In Restricted Working Space, Add	4.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.34	
26 05 33 13-2375 Insulated Screw-In Connector (26 05 33 13-2300)		
26 05 33 13-2376 EA 3/8" Flexible Steel Screw-in Connector, Insulated	4.97	3.09
For Work In Restricted Working Space, Add	1.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.30	
26 05 33 13-2377 EA 1/2" Flexible Steel Screw-in Connector, Insulated	5.34	3.48
For Work In Restricted Working Space, Add	1.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.45	
26 05 33 13-2378 EA 3/4" Flexible Steel Screw-in Connector, Insulated	6.92	4.25
For Work In Restricted Working Space, Add	1.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.74	
26 05 33 13-2379 EA 1" Flexible Steel Screw-in Connector, Insulated.....	9.79	4.63
For Work In Restricted Working Space, Add	2.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.32	
26 05 33 13-2380 EA 1-1/4" Flexible Steel Screw-in Connector, Insulated.....	13.91	5.40
For Work In Restricted Working Space, Add	2.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.90	
26 05 33 13-2381 EA 1-1/2" Flexible Steel Screw-in Connector, Insulated.....	17.05	5.79
For Work In Restricted Working Space, Add	3.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.62	
26 05 33 13-2382 EA 2" Flexible Steel Screw-in Connector, Insulated.....	23.52	6.56
For Work In Restricted Working Space, Add	4.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.34	
26 05 33 13-2383 Screw-In Coupling (26 05 33 13-2300)		
26 05 33 13-2384 EA 1/2" Flexible Steel Screw-in Coupling.....	5.58	3.48
For Work In Restricted Working Space, Add	1.45	
26 05 33 13-2385 EA 3/4" Flexible Steel Screw-in Coupling.....	7.17	4.25
For Work In Restricted Working Space, Add	1.74	
26 05 33 13-2386 Flexible To Electrical Metallic Tubing (EMT) Coupling (26 05 33 13-2300)		
26 05 33 13-2387 EA 3/8" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling.....	6.91	3.09
For Work In Restricted Working Space, Add	1.30	
26 05 33 13-2388 EA 1/2" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	9.11	3.48
For Work In Restricted Working Space, Add	1.45	
26 05 33 13-2389 EA 3/4" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	11.87	4.25
For Work In Restricted Working Space, Add	1.74	
26 05 33 13-2390 Die Cast Squeeze Type Straight Connector (26 05 33 13-2300)		
26 05 33 13-2391 EA 3/8" Flexible Straight Connector, Die Cast.....	4.89	3.09
For Work In Restricted Working Space, Add	1.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.30	
26 05 33 13-2392 EA 1/2" Flexible Straight Connector, Die Cast.....	5.51	3.48
For Work In Restricted Working Space, Add	1.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.45	
26 05 33 13-2393 EA 3/4" Flexible Straight Connector, Die Cast.....	6.78	4.25
For Work In Restricted Working Space, Add	1.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.74	
26 05 33 13-2394 EA 1" Flexible Straight Connector, Die Cast.....	9.94	4.63
For Work In Restricted Working Space, Add	2.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.32	
26 05 33 13-2395 EA 1-1/4" Flexible Straight Connector, Die Cast	13.18	5.40
For Work In Restricted Working Space, Add	2.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.90	
26 05 33 13-2396 EA 1-1/2" Flexible Straight Connector, Die Cast	17.60	5.79
For Work In Restricted Working Space, Add	3.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.62	
26 05 33 13-2397 EA 2" Flexible Straight Connector, Die Cast.....	22.46	6.56
For Work In Restricted Working Space, Add	4.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.34	
26 05 33 13-2398 Die Cast Squeeze Type 90 Degree Connector (26 05 33 13-2300)		

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2399 EA 3/8" Flexible 90 Degree Connector, Die Cast	6.49	3.86
For Work In Restricted Working Space, Add	1.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.74	
26 05 33 13-2400 EA 1/2" Flexible 90 Degree Connector, Die Cast	7.93	4.25
For Work In Restricted Working Space, Add	2.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.03	
26 05 33 13-2401 EA 3/4" Flexible 90 Degree Connector, Die Cast	9.49	4.63
For Work In Restricted Working Space, Add	2.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.32	
26 05 33 13-2402 EA 1" Flexible 90 Degree Connector, Die Cast	14.33	5.40
For Work In Restricted Working Space, Add	2.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.90	
26 05 33 13-2403 EA 1-1/4" Flexible 90 Degree Connector, Die Cast	19.75	5.79
For Work In Restricted Working Space, Add	3.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.47	
26 05 33 13-2404 EA 1-1/2" Flexible 90 Degree Connector, Die Cast	29.73	6.75
For Work In Restricted Working Space, Add	4.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.34	
26 05 33 13-2405 EA 2" Flexible 90 Degree Connector, Die Cast	35.29	8.30
For Work In Restricted Working Space, Add	4.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.92	
26 05 33 13-2406 Flexible Liquid Tight Non-Metallic Conduit And Connectors (26 05 33 13-2258)		
26 05 33 13-2407 Flexible Liquid Tight Non-Metallic Conduit (26 05 33 13-2406)		
26 05 33 13-2408 LF 3/8" Flexible Liquid Tight Non-Metallic Conduit	3.24	1.06
For Work In Restricted Working Space, Add	0.80	
26 05 33 13-2409 LF 1/2" Flexible Liquid Tight Non-Metallic Conduit	3.29	1.06
For Work In Restricted Working Space, Add	0.80	
26 05 33 13-2410 LF 3/4" Flexible Liquid Tight Non-Metallic Conduit	4.41	1.41
For Work In Restricted Working Space, Add	1.06	
26 05 33 13-2411 LF 1" Flexible Liquid Tight Non-Metallic Conduit	5.31	1.41
For Work In Restricted Working Space, Add	1.06	
26 05 33 13-2412 LF 1-1/4" Flexible Liquid Tight Non-Metallic Conduit	6.73	1.76
For Work In Restricted Working Space, Add	1.32	
26 05 33 13-2413 LF 1-1/2" Flexible Liquid Tight Non-Metallic Conduit	8.52	2.11
For Work In Restricted Working Space, Add	1.59	
26 05 33 13-2414 LF 2" Flexible Liquid Tight Non-Metallic Conduit	10.99	2.83
For Work In Restricted Working Space, Add	2.12	
26 05 33 13-2415 Liquid Tight Non-Metallic Straight Connector (26 05 33 13-2406)		
26 05 33 13-2416 EA 3/8" Liquid Tight Non-Metallic Straight Connector	9.23	2.83
For Work In Restricted Working Space, Add	2.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.12	
26 05 33 13-2417 EA 1/2" Liquid Tight Non-Metallic Straight Connector	9.23	2.83
For Work In Restricted Working Space, Add	2.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.12	
26 05 33 13-2418 EA 3/4" Liquid Tight Non-Metallic Straight Connector	11.15	3.18
For Work In Restricted Working Space, Add	2.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.38	
26 05 33 13-2419 EA 1" Liquid Tight Non-Metallic Straight Connector	13.64	3.53
For Work In Restricted Working Space, Add	2.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.65	
26 05 33 13-2420 EA 1-1/4" Liquid Tight Non-Metallic Straight Connector	18.35	3.88
For Work In Restricted Working Space, Add	2.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.91	
26 05 33 13-2421 EA 1-1/2" Liquid Tight Non-Metallic Straight Connector	22.63	4.24
For Work In Restricted Working Space, Add	3.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.17	
26 05 33 13-2422 EA 2" Liquid Tight Non-Metallic Straight Connector	34.45	4.94
For Work In Restricted Working Space, Add	3.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.71	
26 05 33 13-2423 Liquid Tight Non-Metallic 90 Degree Angle Connector (26 05 33 13-2406)		
26 05 33 13-2424 EA 3/8" Liquid Tight Non-Metallic 90 Degree Angle Connector	13.23	3.88
For Work In Restricted Working Space, Add	2.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.91	
26 05 33 13-2425 EA 1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector	13.23	3.88
For Work In Restricted Working Space, Add	2.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.91	
26 05 33 13-2426 EA 3/4" Liquid Tight Non-Metallic 90 Degree Angle Connector	16.01	4.24
For Work In Restricted Working Space, Add	3.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.17	
26 05 33 13-2427 EA 1" Liquid Tight Non-Metallic 90 Degree Angle Connector	22.15	4.94
For Work In Restricted Working Space, Add	3.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.71	
26 05 33 13-2428 EA 1-1/4" Liquid Tight Non-Metallic 90 Degree Angle Connector	22.98	5.29
For Work In Restricted Working Space, Add	3.97	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2429 EA 1-1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector.....	35.01	5.64
<i>For Work In Restricted Working Space, Add</i>	4.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.23	
26 05 33 13-2430 EA 2" Liquid Tight Non-Metallic 90 Degree Angle Connector.....	46.47	6.35
<i>For Work In Restricted Working Space, Add</i>	4.77	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.77	
26 05 33 13-2431 Liquid Tight Non-Metallic 45 Degree Angle Connector <small>(26 05 33 13-2406)</small>		
26 05 33 13-2432 EA 3/8" Liquid Tight Non-Metallic 45 Degree Angle Connector.....	13.23	3.88
<i>For Work In Restricted Working Space, Add</i>	2.91	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.91	
26 05 33 13-2433 EA 1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector.....	13.23	3.88
<i>For Work In Restricted Working Space, Add</i>	2.91	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.91	
26 05 33 13-2434 EA 3/4" Liquid Tight Non-Metallic 45 Degree Angle Connector.....	16.01	4.24
<i>For Work In Restricted Working Space, Add</i>	3.17	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.17	
26 05 33 13-2435 EA 1" Liquid Tight Non-Metallic 45 Degree Angle Connector.....	22.15	4.94
<i>For Work In Restricted Working Space, Add</i>	3.71	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.71	
26 05 33 13-2436 EA 1-1/4" Liquid Tight Non-Metallic 45 Degree Angle Connector.....	22.98	5.29
<i>For Work In Restricted Working Space, Add</i>	3.97	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.97	
26 05 33 13-2437 EA 1-1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector.....	35.01	5.64
<i>For Work In Restricted Working Space, Add</i>	4.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.23	
26 05 33 13-2438 EA 2" Liquid Tight Non-Metallic 45 Degree Angle Connector.....	46.47	6.35
<i>For Work In Restricted Working Space, Add</i>	4.77	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.77	
26 05 33 13-2439 Blue ENT Electrical Non-Metallic Tubing <small>(26 05 33 13-2258)</small>		
<i>Note: Carlon - FLEX-PLUS.</i>		
26 05 33 13-2440 Blue ENT Electrical Non-Metallic Tubing <small>(26 05 33 13-2439)</small>		
26 05 33 13-2441 LF 1/2" Blue ENT Electrical Non-Metallic Tubing.....	3.17	1.16
<i>For Work In Restricted Working Space, Add</i>	0.87	
26 05 33 13-2442 LF 3/4" Blue ENT Electrical Non-Metallic Tubing.....	4.24	1.54
<i>For Work In Restricted Working Space, Add</i>	1.16	
26 05 33 13-2443 LF 1" Blue ENT Electrical Non-Metallic Tubing.....	4.47	1.54
<i>For Work In Restricted Working Space, Add</i>	1.16	
26 05 33 13-2444 Terminal Adapter <small>(26 05 33 13-2439)</small>		
26 05 33 13-2445 EA 1/2" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing.....	8.17	3.09
<i>For Work In Restricted Working Space, Add</i>	2.32	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.32	
26 05 33 13-2446 EA 3/4" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing.....	9.50	3.48
<i>For Work In Restricted Working Space, Add</i>	2.61	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.61	
26 05 33 13-2447 EA 1" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing.....	10.70	3.86
<i>For Work In Restricted Working Space, Add</i>	2.90	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.90	
26 05 33 13-2448 Coupling <small>(26 05 33 13-2439)</small>		
26 05 33 13-2449 EA 1/2" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing.....	8.11	3.09
<i>For Work In Restricted Working Space, Add</i>	2.32	
26 05 33 13-2450 EA 3/4" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing.....	9.19	3.48
<i>For Work In Restricted Working Space, Add</i>	2.61	
26 05 33 13-2451 EA 1" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing.....	10.41	3.86
<i>For Work In Restricted Working Space, Add</i>	2.90	
26 05 33 13-2452 Conduit Bodies <small>(26 05 33 13-0057)</small>		
26 05 33 13-2453 Threaded, Cast Aluminum Conduit Body <small>(26 05 33 13-2452)</small>		
26 05 33 13-2454 Type LB, Threaded, Two Hub Cast Aluminum Conduit Body <small>(26 05 33 13-2453)</small>		
26 05 33 13-2455 EA 1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	48.53	16.94
<i>For Mogul LB, Add</i>	2.53	
<i>For Work In Restricted Working Space, Add</i>	12.70	
<i>For Elevated Installation >15' To 20', Add</i>	8.47	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.70	
26 05 33 13-2456 EA 3/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	56.93	19.41
<i>For Mogul LB, Add</i>	3.87	
<i>For Work In Restricted Working Space, Add</i>	14.56	
<i>For Elevated Installation >15' To 20', Add</i>	9.71	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.56	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2457	EA		1" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	68.42	22.59
			<i>For Mogul LB, Add</i>	6.15	
			<i>For Work In Restricted Working Space, Add</i>	16.94	
			<i>For Elevated Installation >15' To 20', Add</i>	11.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.94	
26 05 33 13-2458	EA		1-1/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	82.26	25.76
			<i>For Mogul LB, Add</i>	10.18	
			<i>For Work In Restricted Working Space, Add</i>	19.32	
			<i>For Elevated Installation >15' To 20', Add</i>	12.88	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.32	
26 05 33 13-2459	EA		1-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	93.62	28.23
			<i>For Mogul LB, Add</i>	13.75	
			<i>For Work In Restricted Working Space, Add</i>	21.17	
			<i>For Elevated Installation >15' To 20', Add</i>	14.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.17	
26 05 33 13-2460	EA		2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	121.91	33.87
			<i>For Mogul LB, Add</i>	23.67	
			<i>For Work In Restricted Working Space, Add</i>	25.41	
			<i>For Elevated Installation >15' To 20', Add</i>	16.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.41	
26 05 33 13-2461	EA		2-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	201.46	47.65
			<i>For Mogul LB, Add</i>	55.82	
			<i>For Work In Restricted Working Space, Add</i>	35.73	
			<i>For Elevated Installation >15' To 20', Add</i>	23.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.73	
26 05 33 13-2462	EA		3" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	265.14	63.52
			<i>For Mogul LB, Add</i>	71.82	
			<i>For Work In Restricted Working Space, Add</i>	47.64	
			<i>For Elevated Installation >15' To 20', Add</i>	31.76	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.64	
26 05 33 13-2463	EA		3-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	350.59	79.41
			<i>For Mogul LB, Add</i>	104.14	
			<i>For Work In Restricted Working Space, Add</i>	59.55	
			<i>For Elevated Installation >15' To 20', Add</i>	39.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.55	
26 05 33 13-2464	EA		4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	453.07	96.69
			<i>For Mogul LB, Add</i>	146.42	
			<i>For Work In Restricted Working Space, Add</i>	72.52	
			<i>For Elevated Installation >15' To 20', Add</i>	48.35	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.52	
26 05 33 13-2465			Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover		
			<i>Cover (26 05 33 13-2463)</i>		
26 05 33 13-2466	EA		1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	49.28	16.94
			<i>For Mogul LB, Add</i>	3.09	
			<i>For Work In Restricted Working Space, Add</i>	12.70	
			<i>For Elevated Installation >15' To 20', Add</i>	8.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.70	
26 05 33 13-2467	EA		3/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	57.67	19.41
			<i>For Mogul LB, Add</i>	4.43	
			<i>For Work In Restricted Working Space, Add</i>	14.56	
			<i>For Elevated Installation >15' To 20', Add</i>	9.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.56	
26 05 33 13-2468	EA		1" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	69.90	22.59
			<i>For Mogul LB, Add</i>	7.26	
			<i>For Work In Restricted Working Space, Add</i>	16.94	
			<i>For Elevated Installation >15' To 20', Add</i>	11.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.94	
26 05 33 13-2469	EA		1-1/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	84.06	25.76
			<i>For Mogul LB, Add</i>	11.53	
			<i>For Work In Restricted Working Space, Add</i>	19.32	
			<i>For Elevated Installation >15' To 20', Add</i>	12.88	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.32	
26 05 33 13-2470	EA		1-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	96.69	28.23
			<i>For Mogul LB, Add</i>	16.05	
			<i>For Work In Restricted Working Space, Add</i>	21.17	
			<i>For Elevated Installation >15' To 20', Add</i>	14.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.17	
26 05 33 13-2471	EA		2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	128.49	33.87
			<i>For Mogul LB, Add</i>	28.61	
			<i>For Work In Restricted Working Space, Add</i>	25.41	
			<i>For Elevated Installation >15' To 20', Add</i>	16.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.41	
26 05 33 13-2472	EA		2-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	198.14	47.65
			<i>For Mogul LB, Add</i>	53.33	
			<i>For Work In Restricted Working Space, Add</i>	35.73	
			<i>For Elevated Installation >15' To 20', Add</i>	23.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.73	
26 05 33 13-2473	EA		3" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	253.98	63.52
			<i>For Mogul LB, Add</i>	63.45	
			<i>For Work In Restricted Working Space, Add</i>	47.64	
			<i>For Elevated Installation >15' To 20', Add</i>	31.76	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2474 EA 3-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover For Mogul LB, Add For Work In Restricted Working Space, Add For Elevated Installation >15' To 20', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	360.10 111.28 59.55 39.70 59.55	79.41
26 05 33 13-2475 EA 4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover For Mogul LB, Add For Work In Restricted Working Space, Add For Elevated Installation >15' To 20', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	472.52 161.01 72.52 48.35 72.52	96.69
26 05 33 13-2476 Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover ^(26 05 33 13-2453)		
26 05 33 13-2477 EA 1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >15' To 20', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.73 14.56 9.71 14.56	19.41
26 05 33 13-2478 EA 3/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >15' To 20', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.02 16.94 11.29 16.94	22.59
26 05 33 13-2479 EA 1" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >15' To 20', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.70 18.53 12.35 18.53	24.70
26 05 33 13-2480 EA 1-1/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >15' To 20', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	93.23 21.17 14.12 21.17	28.23
26 05 33 13-2481 EA 1-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >15' To 20', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	107.07 23.29 15.53 23.29	31.06
26 05 33 13-2482 EA 2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >15' To 20', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	141.23 27.26 18.17 27.26	36.35
26 05 33 13-2483 EA 2-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >15' To 20', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	221.31 39.70 26.47 39.70	52.94
26 05 33 13-2484 EA 3" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >15' To 20', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	286.09 51.61 34.41 51.61	68.81
26 05 33 13-2485 EA 3-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >15' To 20', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	448.64 63.52 42.35 63.52	84.70
26 05 33 13-2486 EA 4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >15' To 20', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	515.80 76.49 50.99 76.49	101.99
26 05 33 13-2487 Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover ^(26 05 33 13-2453)		
26 05 33 13-2488 EA 1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >15' To 20', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.43 12.70 8.47 12.70	16.94
26 05 33 13-2489 EA 3/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >15' To 20', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.15 14.56 9.71 14.56	19.41
26 05 33 13-2490 EA 1" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >15' To 20', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	68.42 16.67 11.12 16.67	22.23
26 05 33 13-2491 EA 1-1/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >15' To 20', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	83.34 19.32 12.88 19.32	25.76
26 05 33 13-2492 EA 1-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >15' To 20', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	93.12 21.17 14.12 21.17	28.23
26 05 33 13-2493 EA 2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >15' To 20', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	121.97 25.41 16.94 25.41	33.87
26 05 33 13-2494 EA 2-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >15' To 20', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	195.35 35.73 23.82 35.73	47.65

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2495 EA 3" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	252.20 47.64 31.76 47.64	63.52
26 05 33 13-2496 EA 3-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	354.38 59.55 39.70 59.55	79.41
26 05 33 13-2497 EA 4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	454.85 72.52 48.35 72.52	96.69
26 05 33 13-2498 Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33)</small>		
26 05 33 13-2499 EA 1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.65 16.67 11.12 16.67	22.23
26 05 33 13-2500 EA 3/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.38 18.53 12.35 18.53	24.70
26 05 33 13-2501 EA 1" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.97 20.38 13.59 20.38	27.17
26 05 33 13-2502 EA 1-1/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	104.76 23.29 15.53 23.29	31.06
26 05 33 13-2503 EA 1-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	132.21 25.41 16.94 25.41	33.87
26 05 33 13-2504 EA 2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	160.13 31.23 20.82 31.23	41.64
26 05 33 13-2505 EA 2-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	291.65 45.79 30.53 45.79	61.05
26 05 33 13-2506 EA 3" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	361.36 59.55 39.70 59.55	79.41
26 05 33 13-2507 EA 3-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	509.69 74.11 49.41 74.11	98.11
26 05 33 13-2508 EA 4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	615.09 88.40 58.93 88.40	117.87
26 05 33 13-2509 Threaded, Malleable Iron Conduit Body <small>(26 05 33 13-2452)</small>		
26 05 33 13-2510 Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover <small>(26 05 33)</small>		
26 05 33 13-2511 EA 1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.63 12.70 8.47 12.70	16.94
26 05 33 13-2512 EA 3/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.69 14.56 9.70 14.56	19.41
26 05 33 13-2513 EA 1" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.61 16.94 11.29 16.94	22.59
26 05 33 13-2514 EA 1-1/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.58 19.32 12.88 19.32	25.76
26 05 33 13-2515 EA 1-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	103.92 21.17 14.12 21.17	28.23
26 05 33 13-2516 EA 2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	140.50 25.41 16.94 25.41	33.87



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2517 EA 2-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	233.31	47.65
<i>For Work In Restricted Working Space, Add</i>	35.73	
<i>For Elevated Installation >15' To 20', Add</i>	23.82	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.73	
26 05 33 13-2518 EA 3" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	329.19	63.52
<i>For Work In Restricted Working Space, Add</i>	47.64	
<i>For Elevated Installation >15' To 20', Add</i>	31.76	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.64	
26 05 33 13-2519 EA 3-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	450.74	79.41
<i>For Work In Restricted Working Space, Add</i>	59.55	
<i>For Elevated Installation >15' To 20', Add</i>	39.70	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.55	
26 05 33 13-2520 EA 4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	540.00	96.69
<i>For Work In Restricted Working Space, Add</i>	72.52	
<i>For Elevated Installation >15' To 20', Add</i>	48.35	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.52	
26 05 33 13-2521 Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover		
(26 05 33 13-2509)		
26 05 33 13-2522 EA 1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	52.55	16.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.70	
26 05 33 13-2523 EA 3/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	59.25	19.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.56	
26 05 33 13-2524 EA 1" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	74.54	22.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.94	
26 05 33 13-2525 EA 1-1/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	93.55	25.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.32	
26 05 33 13-2526 EA 1-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	106.32	28.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.17	
26 05 33 13-2527 EA 2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	135.57	33.87
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.41	
26 05 33 13-2528 EA 2-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	205.93	47.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.73	
26 05 33 13-2529 EA 3" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	279.95	63.52
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.64	
26 05 33 13-2530 EA 3-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	479.74	79.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.55	
26 05 33 13-2531 EA 4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	561.39	96.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.52	
26 05 33 13-2532 Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover		
(26 05 33 13-2509)		
26 05 33 13-2533 EA 1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	62.22	19.41
<i>For Work In Restricted Working Space, Add</i>	14.56	
<i>For Elevated Installation >15' To 20', Add</i>	9.71	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.56	
26 05 33 13-2534 EA 3/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	73.36	22.59
<i>For Work In Restricted Working Space, Add</i>	17.21	
<i>For Elevated Installation >15' To 20', Add</i>	11.47	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.21	
26 05 33 13-2535 EA 1" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	85.97	24.70
<i>For Work In Restricted Working Space, Add</i>	18.53	
<i>For Elevated Installation >15' To 20', Add</i>	12.35	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.53	
26 05 33 13-2536 EA 1-1/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	107.21	28.23
<i>For Work In Restricted Working Space, Add</i>	20.91	
<i>For Elevated Installation >15' To 20', Add</i>	13.94	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.91	
26 05 33 13-2537 EA 1-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	122.71	31.06
<i>For Work In Restricted Working Space, Add</i>	23.29	
<i>For Elevated Installation >15' To 20', Add</i>	15.53	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.29	
26 05 33 13-2538 EA 2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	161.51	36.35
<i>For Work In Restricted Working Space, Add</i>	27.26	
<i>For Elevated Installation >15' To 20', Add</i>	18.17	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.26	
26 05 33 13-2539 EA 2-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	206.43	52.94
<i>For Work In Restricted Working Space, Add</i>	39.70	
<i>For Elevated Installation >15' To 20', Add</i>	26.47	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.70	
26 05 33 13-2540 EA 3" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	295.17	68.81
<i>For Work In Restricted Working Space, Add</i>	51.61	
<i>For Elevated Installation >15' To 20', Add</i>	34.41	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.61	
26 05 33 13-2541 EA 3-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	506.37	84.70
<i>For Work In Restricted Working Space, Add</i>	63.52	
<i>For Elevated Installation >15' To 20', Add</i>	42.35	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63.52	
26 05 33 13-2542 EA 4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	587.08	101.99
<i>For Work In Restricted Working Space, Add</i>	76.75	
<i>For Elevated Installation >15' To 20', Add</i>	51.17	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.75	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2543 Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover (26 05 33 13-2509)		
26 05 33 13-2544 EA 1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	50.78	16.94
For Work In Restricted Working Space, Add	12.70	
For Elevated Installation >15' To 20', Add	8.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.70	
26 05 33 13-2545 EA 3/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	61.18	19.41
For Work In Restricted Working Space, Add	14.56	
For Elevated Installation >15' To 20', Add	9.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.56	
26 05 33 13-2546 EA 1" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	71.42	22.23
For Work In Restricted Working Space, Add	16.67	
For Elevated Installation >15' To 20', Add	11.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.67	
26 05 33 13-2547 EA 1-1/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	95.19	25.76
For Work In Restricted Working Space, Add	19.32	
For Elevated Installation >15' To 20', Add	12.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.32	
26 05 33 13-2548 EA 1-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	110.70	28.23
For Work In Restricted Working Space, Add	21.17	
For Elevated Installation >15' To 20', Add	14.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.17	
26 05 33 13-2549 EA 2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	142.43	33.87
For Work In Restricted Working Space, Add	25.41	
For Elevated Installation >15' To 20', Add	16.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.41	
26 05 33 13-2550 EA 2-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	322.55	89.37
For Work In Restricted Working Space, Add	67.00	
For Elevated Installation >15' To 20', Add	44.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.00	
26 05 33 13-2551 EA 3" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	300.63	63.52
For Work In Restricted Working Space, Add	47.64	
For Elevated Installation >15' To 20', Add	31.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.64	
26 05 33 13-2552 EA 3-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	479.74	79.41
For Work In Restricted Working Space, Add	59.55	
For Elevated Installation >15' To 20', Add	39.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	59.55	
26 05 33 13-2553 EA 4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	561.38	96.69
For Work In Restricted Working Space, Add	72.52	
For Elevated Installation >15' To 20', Add	48.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.52	
26 05 33 13-2554 Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover (26 05 33 13-2509)		
26 05 33 13-2555 EA 1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	70.76	22.23
For Work In Restricted Working Space, Add	16.67	
For Elevated Installation >15' To 20', Add	11.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.67	
26 05 33 13-2556 EA 3/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	77.50	24.70
For Work In Restricted Working Space, Add	18.53	
For Elevated Installation >15' To 20', Add	12.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.53	
26 05 33 13-2557 EA 1" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	89.54	27.17
For Work In Restricted Working Space, Add	20.38	
For Elevated Installation >15' To 20', Add	13.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.38	
26 05 33 13-2558 EA 1-1/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	106.16	31.06
For Work In Restricted Working Space, Add	23.29	
For Elevated Installation >15' To 20', Add	15.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.29	
26 05 33 13-2559 EA 1-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	121.92	33.87
For Work In Restricted Working Space, Add	25.41	
For Elevated Installation >15' To 20', Add	16.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.41	
26 05 33 13-2560 EA 2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	168.90	41.64
For Work In Restricted Working Space, Add	31.23	
For Elevated Installation >15' To 20', Add	20.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.23	
26 05 33 13-2561 EA 2-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	268.32	61.05
For Work In Restricted Working Space, Add	45.79	
For Elevated Installation >15' To 20', Add	30.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.79	
26 05 33 13-2562 EA 3" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	390.75	79.41
For Work In Restricted Working Space, Add	59.55	
For Elevated Installation >15' To 20', Add	39.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	59.55	
26 05 33 13-2563 EA 3-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	577.72	98.11
For Work In Restricted Working Space, Add	73.58	
For Elevated Installation >15' To 20', Add	49.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.58	
26 05 33 13-2564 EA 4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	647.65	117.87
For Work In Restricted Working Space, Add	88.40	
For Elevated Installation >15' To 20', Add	58.93	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	88.40	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2565		Set Screw, Cast Aluminum Conduit Body <small>(26 05 33 13-2492)</small>		
26 05 33	13-2566		Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2565)</small>		
26 05 33	13-2567	EA	1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.97 5.03 3.35 5.03	6.70
26 05 33	13-2568	EA	3/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.71 6.62 4.41 6.62	8.82
26 05 33	13-2569	EA	1" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.32 8.21 5.47 8.21	10.94
26 05 33	13-2570	EA	1-1/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.39 10.06 6.70 10.06	13.41
26 05 33	13-2571	EA	1-1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.72 11.65 7.76 11.65	15.52
26 05 33	13-2572	EA	2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.67 13.23 8.82 13.23	17.65
26 05 33	13-2573		Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2565)</small>		
26 05 33	13-2574	EA	1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.17 5.03 3.35 5.03	6.70
26 05 33	13-2575	EA	3/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.47 6.62 4.41 6.62	8.82
26 05 33	13-2576	EA	1" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.67 8.21 5.47 8.21	10.94
26 05 33	13-2577	EA	1-1/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.16 10.06 6.70 10.06	13.41
26 05 33	13-2578	EA	1-1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.33 11.65 7.76 11.65	15.52
26 05 33	13-2579	EA	2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.29 13.23 8.82 13.23	17.65
26 05 33	13-2580		Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2585)</small>		
26 05 33	13-2581	EA	1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.12 6.62 4.41 6.62	8.82
26 05 33	13-2582	EA	3/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.41 8.21 5.47 8.21	10.94
26 05 33	13-2583	EA	1" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.79 10.06 6.70 10.06	13.41
26 05 33	13-2584	EA	1-1/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.94 12.17 8.12 12.17	15.52
26 05 33	13-2585	EA	1-1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.43 14.30 9.53 14.30	17.65
26 05 33	13-2586	EA	2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	114.07 16.41 10.94 16.41	19.76

26 Electrical
26 05 Common Work Results For Electrical
26 05 33 Raceway And Boxes For Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2587 Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover ^(26 05 33 13-2587)					
26 05 33 13-2588	EA		1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....24.81	24.81	6.70
			<i>For Work In Restricted Working Space, Add</i> 5.03		
			<i>For Elevated Installation >15' To 20', Add</i> 3.35		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 5.03		
26 05 33 13-2589 EA 3/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....33.16 8.82					
			<i>For Work In Restricted Working Space, Add</i> 6.62		
			<i>For Elevated Installation >15' To 20', Add</i> 4.41		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 6.62		
26 05 33 13-2590 EA 1" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....42.28 10.94					
			<i>For Work In Restricted Working Space, Add</i> 8.21		
			<i>For Elevated Installation >15' To 20', Add</i> 5.47		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 8.21		
26 05 33 13-2591 EA 1-1/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....54.53 13.41					
			<i>For Work In Restricted Working Space, Add</i> 10.06		
			<i>For Elevated Installation >15' To 20', Add</i> 6.70		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 10.06		
26 05 33 13-2592 EA 1-1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....41.09 15.52					
			<i>For Work In Restricted Working Space, Add</i> 11.65		
			<i>For Elevated Installation >15' To 20', Add</i> 7.76		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 11.65		
26 05 33 13-2593 EA 2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....98.63 17.65					
			<i>For Work In Restricted Working Space, Add</i> 13.23		
			<i>For Elevated Installation >15' To 20', Add</i> 8.82		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 13.23		
26 05 33 13-2594 Aluminum Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) ^(26 05 33 13-2452)					
26 05 33 13-2595 EA 3/4" To 1-1/4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB120) .....104.09 19.32					
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 14.51		
26 05 33 13-2596 EA 1-1/2" To 2-1/2" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB250) .....363.41 35.73					
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 26.81		
26 05 33 13-2597 EA 3" To 4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB400) .....701.68 72.52					
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 54.39		
26 05 33 13-2598 Replacement Covers And Gaskets For Conduit Body ^(26 05 33 13-2452)					
26 05 33 13-2599 Replacement Stamped Aluminum Conduit Body Cover ^(26 05 33 13-2598)					
26 05 33 13-2600	EA		1/2" Replacement Stamped Aluminum Conduit Body Cover .....8.92	8.92	3.44
26 05 33 13-2601	EA		3/4" Replacement Stamped Aluminum Conduit Body Cover .....10.86	10.86	4.02
26 05 33 13-2602	EA		1" Replacement Stamped Aluminum Conduit Body Cover .....13.92	13.92	5.16
26 05 33 13-2603	EA		1-1/4" Replacement Stamped Aluminum Conduit Body Cover .....16.95	16.95	6.30
26 05 33 13-2604	EA		1-1/2" Replacement Stamped Aluminum Conduit Body Cover .....20.77	20.77	7.46
26 05 33 13-2605	EA		2" Replacement Stamped Aluminum Conduit Body Cover .....24.60	24.60	8.60
26 05 33 13-2606	EA		2-1/2" Replacement Stamped Aluminum Conduit Body Cover .....32.27	32.27	9.75
26 05 33 13-2607	EA		3" Replacement Stamped Aluminum Conduit Body Cover .....41.97	41.97	13.76
26 05 33 13-2608	EA		3-1/2" Replacement Stamped Aluminum Conduit Body Cover .....45.59	45.59	15.48
26 05 33 13-2609	EA		4" Replacement Stamped Aluminum Conduit Body Cover .....57.43	57.43	19.49
26 05 33 13-2610 Replacement Cast Steel Conduit Body Cover ^(26 05 33 13-2598)					
26 05 33 13-2611	EA		1/2" Replacement Cast Steel Conduit Body Cover .....10.30	10.30	3.44
26 05 33 13-2612	EA		3/4" Replacement Cast Steel Conduit Body Cover .....12.06	12.06	4.02
26 05 33 13-2613	EA		1" Replacement Cast Steel Conduit Body Cover .....16.88	16.88	5.16
26 05 33 13-2614	EA		1-1/4" Replacement Cast Steel Conduit Body Cover .....20.97	20.97	6.30
26 05 33 13-2615	EA		1-1/2" Replacement Cast Steel Conduit Body Cover .....25.45	25.45	7.46
26 05 33 13-2616	EA		2" Replacement Cast Steel Conduit Body Cover .....29.95	29.95	8.60
26 05 33 13-2617	EA		2-1/2" Replacement Cast Steel Conduit Body Cover .....34.39	34.39	9.75
26 05 33 13-2618	EA		3" Replacement Cast Steel Conduit Body Cover .....46.99	46.99	13.76
26 05 33 13-2619	EA		3-1/2" Replacement Cast Steel Conduit Body Cover .....53.50	53.50	15.48
26 05 33 13-2620	EA		4" Replacement Cast Steel Conduit Body Cover .....67.44	67.44	19.49
26 05 33 13-2621 Replacement Velbuna Composition Conduit Body Gasket ^(26 05 33 13-2598)					
26 05 33 13-2622	EA		1/2" Replacement Velbuna Composition Conduit Body Gasket .....8.30	8.30	3.44
26 05 33 13-2623	EA		3/4" Replacement Velbuna Composition Conduit Body Gasket .....9.48	9.48	4.02
26 05 33 13-2624	EA		1" Replacement Velbuna Composition Conduit Body Gasket .....12.37	12.37	5.16
26 05 33 13-2625	EA		1-1/4" Replacement Velbuna Composition Conduit Body Gasket .....16.02	16.02	6.30
26 05 33 13-2626	EA		1-1/2" Replacement Velbuna Composition Conduit Body Gasket .....18.31	18.31	7.46
26 05 33 13-2627	EA		2" Replacement Velbuna Composition Conduit Body Gasket .....21.75	21.75	8.60
26 05 33 13-2628	EA		2-1/2" Replacement Velbuna Composition Conduit Body Gasket .....28.37	28.37	9.75
26 05 33 13-2629	EA		3" Replacement Velbuna Composition Conduit Body Gasket .....37.11	37.11	13.76
26 05 33 13-2630	EA		3-1/2" Replacement Velbuna Composition Conduit Body Gasket .....40.98	40.98	15.48
26 05 33 13-2631	EA		4" Replacement Velbuna Composition Conduit Body Gasket .....48.92	48.92	19.49
26 05 33 13-2632 Replacement Neoprene Conduit Body Gasket ^(26 05 33 13-2598)					



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2633 EA 1/2" Replacement Neoprene Conduit Body Gasket.....	9.26	3.44
26 05 33 13-2634 EA 3/4" Replacement Neoprene Conduit Body Gasket.....	10.40	4.02
26 05 33 13-2635 EA 1" Replacement Neoprene Conduit Body Gasket.....	13.57	5.16
26 05 33 13-2636 EA 1-1/4" Replacement Neoprene Conduit Body Gasket.....	16.63	6.30
26 05 33 13-2637 EA 1-1/2" Replacement Neoprene Conduit Body Gasket.....	18.92	7.46
26 05 33 13-2638 EA 2" Replacement Neoprene Conduit Body Gasket.....	21.81	8.60
26 05 33 13-2639 EA 2-1/2" Replacement Neoprene Conduit Body Gasket.....	28.52	9.75
26 05 33 13-2640 EA 3" Replacement Neoprene Conduit Body Gasket.....	37.26	13.76
26 05 33 13-2641 EA 3-1/2" Replacement Neoprene Conduit Body Gasket.....	42.01	15.48
26 05 33 13-2642 EA 4" Replacement Neoprene Conduit Body Gasket.....	49.95	19.49

26 05 33 16 Boxes For Electrical Systems (26 05 33)

See CSI section 26 27 16 00-0000 for larger junction boxes and enclosures.

26 05 33 16-0001	Steel Junction, Device, And Fixture Boxes, Rings And Covers (26 05 33 16)		
	Note: Thin wall metal. See CSI section 26 27 26 00-0003 for steel box/receptacle assemblies, 26 27 26 00-0134 for steel box/switch assemblies.		

26 05 33 16-0002 4" Square Steel Boxes, Rings And Covers (26 05 33 16-0001)

26 05 33 16-0003 EA 1-1/2" Depth, 4" Square Steel Box.....	31.64	14.48
For Stud Bracket, Add	0.66	
26 05 33 16-0004 EA 2-1/8" Depth, 4" Square Steel Box.....	32.86	14.48
For Stud Bracket, Add	1.19	
26 05 33 16-0005 EA 3-1/2" Depth, 4" Square Steel Box.....	37.05	14.48
For Stud Bracket, Add	1.29	
26 05 33 16-0006 EA 1-1/2" Depth, 4" Square Steel Extension Ring.....	25.28	9.65
26 05 33 16-0007 EA 2-1/8" Depth, 4" Square Steel Extension Ring.....	21.03	9.65
26 05 33 16-0008 EA 1/2" Depth, 1 Gang, 4" Square Steel Mud Ring.....	10.93	4.83
26 05 33 16-0009 EA 5/8" Depth, 1 Gang, 4" Square Steel Mud Ring.....	11.13	4.83
26 05 33 16-0010 EA 3/4" Depth, 1 Gang, 4" Square Steel Mud Ring.....	11.27	4.83
26 05 33 16-0011 EA 1" Depth, 1 Gang, 4" Square Steel Mud Ring.....	11.72	4.83
26 05 33 16-0012 EA 1-1/4" Depth, 1 Gang, 4" Square Steel Mud Ring.....	11.85	4.83
26 05 33 16-0013 EA 1-1/2" Depth, 1 Gang, 4" Square Steel Mud Ring.....	13.30	4.83
26 05 33 16-0014 EA 1/2" Depth, 2 Gang, 4" Square Steel Mud Ring.....	11.48	4.83
26 05 33 16-0015 EA 5/8" Depth, 2 Gang, 4" Square Steel Mud Ring.....	11.62	4.83
26 05 33 16-0016 EA 3/4" Depth, 2 Gang, 4" Square Steel Mud Ring.....	11.79	4.83
26 05 33 16-0017 EA 1" Depth, 2 Gang, 4" Square Steel Mud Ring.....	13.28	4.83
26 05 33 16-0018 EA 1-1/4" Depth, 2 Gang, 4" Square Steel Mud Ring.....	13.58	4.83
26 05 33 16-0019 EA 1-1/2" Depth, 2 Gang, 4" Square Steel Mud Ring.....	15.47	4.83
26 05 33 16-0020 EA 3/4" Depth, Fixture Cover, 4" Square Mud Rings.....	12.20	4.83
26 05 33 16-0021 EA 1" Depth, Fixture Cover, 4" Square Mud Rings.....	13.40	4.83
26 05 33 16-0022 EA One Toggle Switch, 4" Square Steel Exposed Work Cover.....	11.46	4.83
26 05 33 16-0023 EA Two Toggle Switches, 4" Square Steel Exposed Work Cover.....	11.57	4.83
26 05 33 16-0024 EA One Duplex Receptacle, 4" Square Steel Exposed Work Cover.....	11.43	4.83
26 05 33 16-0025 EA Two Duplex Receptacles, 4" Square Steel Exposed Work Cover.....	11.75	4.83
26 05 33 16-0026 EA One Toggle Switch And One Duplex Receptacle, 4" Square Steel Exposed Work Cover.....	12.02	4.83
26 05 33 16-0027 EA One Toggle Switch And One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	15.35	4.83
26 05 33 16-0028 EA One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	11.97	4.83
26 05 33 16-0029 EA Two 1.406" Diameter Receptacles, 4" Square Steel Exposed Work Cover.....	15.35	4.83
26 05 33 16-0030 EA One 1.620" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	11.97	4.83
26 05 33 16-0031 EA One 1.719" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	12.75	4.83
26 05 33 16-0032 EA One 2.165" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	15.35	4.83
26 05 33 16-0033 EA One 2.480" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	15.35	4.83
26 05 33 16-0034 EA Flat, 4" Square Steel Exposed Work Cover.....	10.51	4.83

26 05 33 16-0035 4-11/16" Square Steel Boxes, Rings And Covers (26 05 33 16-0001)

26 05 33 16-0036 EA 1-1/2" Depth, 4-11/16" Square Steel Box.....	36.16	14.48
26 05 33 16-0037 EA 2-1/8" Depth, 4-11/16" Square Steel Box.....	33.39	14.48
For Stud Bracket, Add	0.62	
26 05 33 16-0038 EA 3-1/4" Depth, 4-11/16" Square Steel Box.....	47.27	14.48
26 05 33 16-0039 EA 1-1/2" Depth, 4-11/16" Square Extension Ring.....	26.43	9.65
26 05 33 16-0040 EA 2-1/8" Depth, 4-11/16" Square Extension Ring.....	27.11	9.65
26 05 33 16-0041 EA 1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	13.69	4.83
26 05 33 16-0042 EA 5/8" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	13.73	4.83
26 05 33 16-0043 EA 3/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	14.91	4.83
26 05 33 16-0044 EA 1" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	14.43	4.83
26 05 33 16-0045 EA 1-1/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	14.33	4.83
26 05 33 16-0046 EA 1-1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	19.23	4.83
26 05 33 16-0047 EA 1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	14.63	4.83
26 05 33 16-0048 EA 5/8" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	14.89	4.83
26 05 33 16-0049 EA 3/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	14.91	4.83
26 05 33 16-0050 EA 1" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	16.64	4.83
26 05 33 16-0051 EA 1-1/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	17.00	4.83
26 05 33 16-0052 EA 1-1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	21.20	4.83
26 05 33 16-0053 EA 1/2" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring.....	14.40	4.83
26 05 33 16-0054 EA 5/8" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring.....	14.53	4.83
26 05 33 16-0055 EA One Toggle Switch, 4-11/16" Square Steel Exposed Work Cover.....	17.78	4.83
26 05 33 16-0056 EA Two Toggle Switches, 4-11/16" Square Steel Exposed Work Cover.....	18.69	4.83
26 05 33 16-0057 EA One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	17.51	4.83
26 05 33 16-0058 EA Two Duplex Receptacles, 4-11/16" Square Steel Exposed Work Cover.....	16.52	4.83

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0059 EA One Toggle Switch And One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	19.84	4.83
26 05 33 16-0060 EA One 1.594" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	18.68	4.83
26 05 33 16-0061 EA One 2.141" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	18.68	4.83
26 05 33 16-0062 EA One 2.625" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	18.68	4.83
26 05 33 16-0063 EA Flat, 4-11/16" Square Steel Exposed Work Cover.....	11.25	4.83
26 05 33 16-0064 Steel Square Box Brackets (26 05 33 16-0001)		
26 05 33 16-0065 EA 16" Or 24" Width Box Bracket, For Multiple 1-1/2" And 2-1/8" Deep Boxes.....	15.74	7.24
26 05 33 16-0066 EA Single Box Bracket, One 4" Or 4-11/16" Square Box.....	11.57	4.84
26 05 33 16-0067 EA 16" Box Bracket, Up To Three 4" Or 4-11/16" Square Boxes.....	18.68	7.24
26 05 33 16-0068 EA 24" Box Bracket, Up To Four 4" Or 4-11/16" Square Boxes.....	20.19	7.24
26 05 33 16-0069 4" Octagon Steel Boxes And Covers (26 05 33 16-0001)		
26 05 33 16-0070 EA 1-1/2" Depth, 4" Steel Octagon Box.....	26.33	12.06
For Stud Bracket, Add	1.60	
26 05 33 16-0071 EA 2-1/8" Depth, 4" Steel Octagon Box.....	27.40	12.06
26 05 33 16-0072 EA Flat, 4" Octagon Steel Exposed Work Cover.....	10.44	4.83
26 05 33 16-0073 4" Steel Octagonal Concrete Rings And Steel Covers (26 05 33 16-0001)		
Note: Placed in concrete slabs or walls.		
26 05 33 16-0074 EA 2" Depth, 4" Steel Octagonal Concrete Ring.....	43.43	
26 05 33 16-0075 EA 2-1/2" Depth, 4" Steel Octagonal Concrete Ring.....	46.16	
26 05 33 16-0076 EA 3" Depth, 4" Steel Octagonal Concrete Ring.....	48.29	
26 05 33 16-0077 EA 3-1/2" Depth, 4" Steel Octagonal Concrete Ring.....	50.37	
26 05 33 16-0078 EA 4" Depth, 4" Steel Octagonal Concrete Ring.....	55.23	
26 05 33 16-0079 EA 5" Depth, 4" Steel Octagonal Concrete Ring.....	60.29	
26 05 33 16-0080 EA 6" Depth, 4" Steel Octagonal Concrete Ring.....	64.18	
26 05 33 16-0081 EA Flat, 4" Steel Octagonal Concrete Cover.....	11.91	4.83
26 05 33 16-0082 4-1/2" Steel Gang Boxes (26 05 33 16-0001)		
26 05 33 16-0083 EA 2 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	41.46	12.06
26 05 33 16-0084 EA 3 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	45.60	13.02
26 05 33 16-0085 EA 4 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	55.10	14.48
26 05 33 16-0086 EA 5 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	72.61	15.92
26 05 33 16-0087 EA 6 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	109.18	17.37
26 05 33 16-0088 EA 2 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	57.96	12.06
26 05 33 16-0089 EA 3 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	63.18	13.02
26 05 33 16-0090 EA 4 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	84.79	14.48
26 05 33 16-0091 EA 5 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	109.53	15.92
26 05 33 16-0092 EA 6 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	182.17	17.37
26 05 33 16-0093 EA 2 Device, Gang Box Mud Ring.....	18.23	4.83
26 05 33 16-0094 EA 3 Device, Gang Box Mud Ring.....	18.51	4.83
26 05 33 16-0095 EA 4 Device, Gang Box Mud Ring.....	21.69	4.83
26 05 33 16-0096 EA 5 Device, Gang Box Mud Ring.....	27.15	4.83
26 05 33 16-0097 EA 6 Device, Gang Box Mud Ring.....	39.14	4.83
26 05 33 16-0098 EA 2 Device, Gang Box Flat Cover.....	15.50	4.83
26 05 33 16-0099 EA 3 Device, Gang Box Flat Cover.....	18.48	4.83
26 05 33 16-0100 EA 4 Device, Gang Box Flat Cover.....	22.43	4.83
26 05 33 16-0101 EA 5 Device, Gang Box Flat Cover.....	27.46	4.83
26 05 33 16-0102 EA 6 Device, Gang Box Flat Cover.....	39.99	4.83
26 05 33 16-0103 Steel Switch Boxes (26 05 33 16-0001)		
26 05 33 16-0104 EA 2-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box.....	28.39	12.06
26 05 33 16-0105 EA 2-3/4" Depth, 3" x 2", Stud Bracket, Steel Switch Box.....	28.85	12.06
26 05 33 16-0106 EA 3-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box.....	31.23	12.06
26 05 33 16-0107 EA 2-1/2" Depth, 2 Device, Stud Bracket, Steel Box.....	36.58	12.06
26 05 33 16-0108 EA 2-1/2" Depth, 3 Device, Stud Bracket, Steel Box.....	37.05	12.06
26 05 33 16-0109 EA 2-1/2" Depth, 4 Device, Stud Bracket, Steel Box.....	44.30	12.06
26 05 33 16-0110 4" x 2" Steel Handy Boxes, Extension Rings And Covers (26 05 33 16-0001)		
26 05 33 16-0111 EA 1-1/2" Deep, 4" x 2" Steel Handy Box.....	26.21	12.06
For Stud Bracket, Add	2.58	
26 05 33 16-0112 EA 1-7/8" Deep, 4" x 2" Steel Handy Box.....	26.71	12.06
For Stud Bracket, Add	1.11	
26 05 33 16-0113 EA 2-1/8" Deep, 4" x 2" Steel Handy Box.....	27.80	12.06
For Stud Bracket, Add	1.51	
26 05 33 16-0114 EA 1-1/2" Deep, 4" x 2" Steel Handy Box Extension Ring.....	17.47	7.23
26 05 33 16-0115 EA 1-7/8" Deep, 4" x 2" Steel Handy Box Extension Ring.....	16.98	7.23
26 05 33 16-0116 EA GFI Receptacle, 2" x 4" Steel Handy Box Exposed Work Cover.....	5.91	2.41
26 05 33 16-0117 EA 1.406" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover.....	6.00	2.41
26 05 33 16-0118 EA Duplex Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover.....	5.54	2.41
26 05 33 16-0119 EA Toggle Switch, 4" x 2" Steel Handy Box Exposed Work Cover.....	5.57	2.41
26 05 33 16-0120 EA 1.594" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover.....	6.51	2.41
26 05 33 16-0121 EA Flat, 2" x 4" Steel Handy Box Exposed Work Cover.....	5.57	2.41



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0122	3"-1/2" Depth, 3-3/4" Steel Masonry Boxes <small>(26 05 33 16-0001)</small>	
26 05 33 16-0123 EA 1 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	39.57	16.89
26 05 33 16-0124 EA 2 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	44.46	17.85
26 05 33 16-0125 EA 3 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	51.16	19.30
26 05 33 16-0126 EA 4 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	58.41	21.23
26 05 33 16-0127	Cast Boxes <small>(26 05 33 16)</small>	
Note: For flush or surface mount.		
26 05 33 16-0128	Cast Iron Alloy Boxes <small>(26 05 33 16-0127)</small>	
See CSI section 26 27 26 00-0271 for box covers.		
26 05 33 16-0129	Shallow, Single Gang Cast Iron Alloy Boxes <small>(26 05 33 16-0128)</small>	
Note: Up to 2" deep boxes.		
26 05 33 16-0130 EA 1/2" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box	81.39	28.95
Note: One hub.		
26 05 33 16-0131 EA 3/4" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box	87.97	33.77
Note: One hub.		
26 05 33 16-0132 EA 1" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box	103.73	41.01
Note: One hub.		
26 05 33 16-0133 EA 1/2" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box	101.99	38.60
Note: Two hubs.		
26 05 33 16-0134 EA 3/4" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box	129.99	45.84
Note: Two hubs.		
26 05 33 16-0135 EA 1/2" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box	101.59	38.60
Note: Two hubs.		
26 05 33 16-0136 EA 3/4" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box	122.10	45.84
Note: Two hubs.		
26 05 33 16-0137 EA 1/2" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box	104.12	38.60
Note: Two hubs.		
26 05 33 16-0138 EA 3/4" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box	122.14	45.84
Note: Two hubs.		
26 05 33 16-0139 EA 1/2" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box	101.59	38.60
Note: Two hubs.		
26 05 33 16-0140 EA 3/4" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box	119.01	45.84
Note: Two hubs.		
26 05 33 16-0141 EA 1/2" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box	121.31	48.25
Note: Three hubs.		
26 05 33 16-0142 EA 3/4" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box	143.65	57.90
Note: Three hubs.		
26 05 33 16-0143 EA 1/2" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box	126.17	48.25
Note: Three hubs.		
26 05 33 16-0144 EA 3/4" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box	162.19	57.90
Note: Three hubs.		
26 05 33 16-0145 EA 1/2" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box	129.35	48.25
Note: Three hubs.		
26 05 33 16-0146 EA 3/4" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box	154.57	57.90
Note: Three hubs.		
26 05 33 16-0147 EA 1/2" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box	120.90	48.25
Note: Three hubs.		
26 05 33 16-0148 EA 3/4" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box	156.72	57.90
Note: Three hubs.		
26 05 33 16-0149 EA 1/2" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box	153.69	57.90
Note: Four hubs.		
26 05 33 16-0150 EA 3/4" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box	185.43	69.96
Note: Four hubs.		
26 05 33 16-0151	Deep, Single Gang Cast Iron Alloy Boxes <small>(26 05 33 16-0128)</small>	
Note: >2" deep boxes.		
26 05 33 16-0152 EA 1/2" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box	84.97	28.95
Note: One hub.		
26 05 33 16-0153 EA 3/4" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box	97.90	33.77
Note: One hub.		
26 05 33 16-0154 EA 1" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box	115.19	41.01
Note: One hub.		
26 05 33 16-0155 EA 1/2" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box	108.54	38.60
Note: Two hubs.		
26 05 33 16-0156 EA 3/4" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box	125.47	45.84
Note: Two hubs.		
26 05 33 16-0157 EA 1" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box	150.84	55.49
Note: Two hubs.		
26 05 33 16-0158 EA 3/4" Depth, Type FDS, Deep, Single Gang Cast Iron Alloy Box	134.40	45.84
Note: Two hubs.		
26 05 33 16-0159 EA 3/4" Depth, Type FDCC, Deep, Single Gang Cast Iron Alloy Box	172.77	57.90
Note: Three hubs.		
26 05 33 16-0160	Shallow, Two Gang Cast Iron Alloy Boxes <small>(26 05 33 16-0128)</small>	
Note: Up to 2" deep boxes.		

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0161 EA 1/2" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box..... Note: One hub.	97.48	31.36
26 05 33 16-0162 EA 3/4" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box..... Note: One hub.	108.19	36.19
26 05 33 16-0163 EA 1" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box..... Note: One hub.	125.84	43.42
26 05 33 16-0164 EA 1/2" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box..... Note: Two hubs.	118.50	41.01
26 05 33 16-0165 EA 3/4" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box..... Note: Two hubs.	134.82	48.25
26 05 33 16-0166 Deep, Two Gang Cast Iron Alloy Boxes (26 05 33 16-0128) Note: >2" deep boxes.		
26 05 33 16-0167 EA 1/2" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box..... Note: One hub.	108.23	31.36
26 05 33 16-0168 EA 3/4" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box..... Note: One hub.	118.30	36.19
26 05 33 16-0169 EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box..... Note: Two hubs.	134.68	41.01
26 05 33 16-0170 EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box..... Note: Two hubs.	151.91	48.25
26 05 33 16-0171 Cast Aluminum Boxes (26 05 33 16-0127) See CSI section 26 27 26 00-0271 for box covers.		
26 05 33 16-0172 Shallow, Single Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0173 EA 1/2" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	71.74	24.13
26 05 33 16-0174 EA 3/4" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	82.32	28.95
26 05 33 16-0175 EA 1" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	92.01	36.19
26 05 33 16-0176 EA 1/2" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	67.56	24.13
26 05 33 16-0177 EA 3/4" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	85.26	28.95
26 05 33 16-0178 EA 1/2" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	91.44	33.77
26 05 33 16-0179 EA 3/4" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	109.92	41.01
26 05 33 16-0180 EA 1" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	137.81	50.67
26 05 33 16-0181 EA 1/2" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	98.70	33.77
26 05 33 16-0182 EA 3/4" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	106.38	41.01
26 05 33 16-0183 EA 1/2" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	94.57	33.77
26 05 33 16-0184 EA 3/4" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	108.85	41.01
26 05 33 16-0185 EA 1/2" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	91.90	33.77
26 05 33 16-0186 EA 3/4" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	108.85	41.01
26 05 33 16-0187 EA 1/2" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	85.75	33.77
26 05 33 16-0188 EA 3/4" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	115.39	41.01
26 05 33 16-0189 EA 1/2" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	109.29	43.42
26 05 33 16-0190 EA 3/4" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	132.84	53.07
26 05 33 16-0191 EA 1/2" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	115.67	43.42
26 05 33 16-0192 EA 3/4" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	154.94	53.07
26 05 33 16-0193 EA 1/2" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	115.14	43.42
26 05 33 16-0194 EA 3/4" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	141.24	53.07
26 05 33 16-0195 EA 3/4" Depth, Type FST, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	143.14	53.07
26 05 33 16-0196 EA 1/2" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box..... Note: Four hubs.	140.41	53.07
26 05 33 16-0197 EA 3/4" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box..... Note: Four hubs.	171.44	65.14
26 05 33 16-0198 Deep, Single Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0199 EA 1/2" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	79.13	24.13
26 05 33 16-0200 EA 3/4" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	94.81	28.95
26 05 33 16-0201 EA 1" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	109.18	36.19
26 05 33 16-0202 EA 3/4" Depth, Type FDA, Deep, Single Gang Cast Aluminum Box Note: One hub.	101.57	28.95
26 05 33 16-0203 EA 1/2" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	101.01	33.77
26 05 33 16-0204 EA 3/4" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	121.66	41.01
26 05 33 16-0205 EA 1" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	136.71	50.67
26 05 33 16-0206 EA 3/4" Depth, Type FDS, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	123.23	41.01
26 05 33 16-0207 EA 3/4" Depth, Type FDCC, Deep, Single Gang Cast Aluminum Box Note: Three hubs.	151.11	53.07
26 05 33 16-0208 Shallow, Two Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0209 EA 1/2" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	94.32	26.54
26 05 33 16-0210 EA 3/4" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	108.15	31.36
26 05 33 16-0211 EA 1" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	116.79	38.60
26 05 33 16-0212 EA 1/2" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	118.30	36.19
26 05 33 16-0213 EA 3/4" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	121.52	43.42
26 05 33 16-0214 EA 1" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	150.03	53.07
26 05 33 16-0215 Deep, Two Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0216 EA 1/2" Depth, Type FD, Deep, Two Gang Cast Aluminum Box..... Note: One hub.	94.23	26.54
26 05 33 16-0217 EA 3/4" Depth, Type FD, Deep, Two Gang Cast Aluminum Box..... Note: One hub.	109.16	31.36
26 05 33 16-0218 EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	120.61	36.19
26 05 33 16-0219 EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	136.99	43.42
26 05 33 16-0220 EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	120.61	36.19
26 05 33 16-0221 EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	136.99	43.42
26 05 33 16-0222 Shallow, Three Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0223 EA 1/2" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	126.66	38.60
26 05 33 16-0224 EA 3/4" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	142.46	45.84
26 05 33 16-0225 Deep, Three Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0226 EA 3/4" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	143.05	33.77
26 05 33 16-0227 EA 1" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	159.90	41.01
26 05 33 16-0228 Cast Aluminum Explosion Proof Outlet Bodies (26 05 33 16-0127) Note: Class I, Div. 1 & 2; Class II, Div. 1 & 2; and Class III.		
26 05 33 16-0229 EA 1/2" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	148.50	38.60
26 05 33 16-0230 EA 3/4" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	183.51	43.42
26 05 33 16-0231 EA 1" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	168.93	48.25
26 05 33 16-0232 EA 1/2" Depth, Type GRSSA, 13 Opening, Cast Aluminum Explosion Proof Outlet Body	164.65	43.42
26 05 33 16-0233 EA 3/4" Depth, 13 Hubs, Explosion Proof Conduit Outlet Box With Cover Cast Aluminum, Type GRSSA	200.18	48.25
26 05 33 16-0234 Non Metallic (PVC) Boxes (26 05 33 16) See CSI section 26 27 26 00-0271 for box covers.		
26 05 33 16-0235 Shallow, Single Gang Non Metallic (PVC) Boxes (26 05 33 16-0234)		
26 05 33 16-0236 EA 1/2" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box Note: One hub.	47.23	20.27

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0237 EA 3/4" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box..... Note: One hub.	54.19	23.65
26 05 33 16-0238 EA 1" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box Note: One hub.	62.57	28.71
26 05 33 16-0239 EA 1/2" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	60.95	27.02
26 05 33 16-0240 EA 3/4" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	71.77	32.09
26 05 33 16-0241 EA 1" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	87.01	38.84
26 05 33 16-0242 EA 1/2" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	61.12	27.02
26 05 33 16-0243 EA 3/4" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	71.29	32.09
26 05 33 16-0244 EA 1" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	85.39	38.84
26 05 33 16-0245 EA 1/2" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Three hubs.	77.03	33.77
26 05 33 16-0246 EA 3/4" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Three hubs.	88.67	40.53
26 05 33 16-0247 EA 1" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Three hubs.	105.00	48.97
26 05 33 16-0248 Deep, Single Gang Non Metallic (PVC) Boxes (26 05 33 16-0234)		
26 05 33 16-0249 EA No Hub, Type FD, Deep, Single Gang Non Metallic (PVC) Box Note: No hubs.	47.75	20.27
26 05 33 16-0250 EA 1/2" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box Note: One hub.	46.84	20.27
26 05 33 16-0251 EA 3/4" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box Note: One hub.	55.43	23.65
26 05 33 16-0252 EA 1" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box Note: One hub.	63.08	28.71
26 05 33 16-0253 EA 1/2" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box Note: Two hubs.	61.97	27.02
26 05 33 16-0254 EA 3/4" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box Note: Two hubs.	70.42	32.09
26 05 33 16-0255 EA 1" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box Note: Two hubs.	84.39	38.84
26 05 33 16-0256 Shallow, Two Gang Non Metallic (PVC) Boxes (26 05 33 16-0234)		
26 05 33 16-0257 EA 1/2" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box..... Note: One hub.	50.87	21.95
26 05 33 16-0258 EA 3/4" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box..... Note: One hub.	58.37	25.33
26 05 33 16-0259 EA 1" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box..... Note: One hub.	66.04	30.40
26 05 33 16-0260 EA 1/2" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	63.19	28.71
26 05 33 16-0261 EA 3/4" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	77.37	33.77
26 05 33 16-0262 EA 1" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	91.81	40.53
26 05 33 16-0263 EA 1/2" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	64.40	28.71
26 05 33 16-0264 EA 3/4" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	80.73	33.77
26 05 33 16-0265 EA 1" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	89.11	40.53
26 05 33 16-0266 EA 1/2" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Three hubs.	78.90	35.47
26 05 33 16-0267 EA 3/4" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Three hubs.	101.85	42.22
26 05 33 16-0268 EA 1" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Three hubs.	108.29	50.67
26 05 33 16-0269 Poke Thru Units (26 05 33 16)		
26 05 33 16-0270 Surface Poke Thru Units (26 05 33 16-0269)		
26 05 33 16-0271 EA Single 20 Amp Duplex Receptacle RC3 Power And Communications Poke Thru Unit..... Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC3ATCAL.	423.71	36.19
26 05 33 16-0272 EA Retrofit Kit Upgrades Existing RC3 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes 20 Amp duplex receptacle. Tile or carpet with brushed aluminum flange with black nonmetallic cover. Wiremold RC3KTCAL.	270.67	
26 05 33 16-0273 EA Replacement 20 Amp Duplex Receptacle For RC3 Series Power And Communications Poke Thru Unit..... Note: Wiremold RC37REC.	37.70	9.65
26 05 33 16-0274 EA Abandonment Plate For RC3 Series Power And Communications Poke Thru Unit..... Note: Wiremold RC3APTCKB.	45.42	4.83



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0275 EA Four 20 Amp Receptacles RC4 Power And Communications Poke Thru Unit..... Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC4ATCAL.	479.16	38.60
26 05 33 16-0276 EA Retrofit Kit Upgrades Existing RC4 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes two 20 Amp duplex receptacles. Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC4KTCAL.	253.46	
26 05 33 16-0277 EA Replacement Two 20 Amp Duplex Receptacles For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold RC4REC2.	64.58	14.48
26 05 33 16-0278 EA Abandonment Plate For RC4 Series Power And Communications Poke Thru Unit..... Note: Wiremold RC4APTCHK.	45.42	4.83
26 05 33 16-0279 EA Abandonment Plug For RC4 Series Power And Communications Poke Thru Unit..... Note: Wiremold ABPLUG4.	132.27	9.65
26 05 33 16-0280 EA Four Jack RC9AMD Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept four Ortronics TracJack inserts and two Ortronics Series II inserts. Excludes communication jacks. Wiremold RC9AMDTCAL.	379.22	33.77
26 05 33 16-0281 EA Abandonment Plate For RC9 Series Communications Poke Thru Unit Note: Wiremold RC9APTCHK.	31.59	4.83
26 05 33 16-0282 EA Eight Jack AMD8 Communications Poke Thru Unit..... Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept eight Ortronics TracJack inserts and four Ortronics Series II inserts. Excludes communication jacks. Wiremold AMD8ATCAL.	377.48	33.77
26 05 33 16-0283 EA Communication Conduit Adapter For Poke Thru Units Note: Includes two conduit connections for communication systems. Wiremold COM75.	43.90	4.83
26 05 33 16-0284 Recessed Poke Thru Units (26 05 33 16-0284) Note: Excludes concrete drilling.		
26 05 33 16-0285 Evolution 6AT Poke Thru Units (26 05 33 16-0284) Note: Excludes concrete drilling.		
26 05 33 16-0286 EA Recessed Rewired Assembly With Surface Style Cover (Wiremold 6ATCP) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	613.50	38.60
26 05 33 16-0287 EA Recessed Rewired Assembly With Flush Style Cover (Wiremold 6ATP) Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	613.58	38.60
26 05 33 16-0288 EA Recessed Assembly With Surface Style Cover (Wiremold 6ATC)..... Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	585.21	38.60
26 05 33 16-0289 EA Recessed Assembly With Flush Style Cover (Wiremold 6AT) Note: For tile, wood or laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	585.21	38.60
26 05 33 16-0290 EA Recessed Rewired Audio/Video Assembly With Surface Style Cover (Wiremold 6ATCPA)..... Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	613.50	38.60
26 05 33 16-0291 EA Recessed Rewired Audio/Video Assembly With Flush Style Cover (Wiremold 6ATPA)..... Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	613.50	38.60
26 05 33 16-0292 EA Recessed Furniture Feed Assembly With Surface Style Cover (Wiremold 6ATCFF)..... Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Die-cast aluminum cover assembly provides one (1) 3/4" trade size screw plug opening and one (1) concentric 2"-1 1/4" trade size screw plug opening and is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	561.26	38.60
26 05 33 16-0293 EA Recessed Assembly With Disposable Plate (Wiremold 6STC)..... Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. No device plates are included. For use with the following cover assemblies (purchased separately): 6CTC, 6CT, and 6CFFTC Series.	355.06	36.19
26 05 33 16-0294 EA Recessed Rewired Audio/Video Assembly With Disposable Plate (Wiremold 6STCPAV) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies(purchased separately): 6CTC and 6CT Series.	380.08	36.19
26 05 33 16-0295 EA Recessed Rewired Assembly With Disposable Plate (Wiremold 6STCP) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 6CTC and 6CT Series.	382.56	36.19
26 05 33 16-0296 EA 6" Pre-Pour Poke-Thru Sleeve (Wiremold 6PPS) Note: Nonmetallic sleeve attaches to structural decking and maintains 6"-6 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	110.82	19.30
26 05 33 16-0297 EA Surface Style Cover Assembly (Wiremold 6CTC)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CTC Series cover assemblies designed for use with 6STC, 6STCP, and 6STCPAV Poke-Thru Stem Assemblies.	245.71	9.65
26 05 33 16-0298 EA Flush Style Cover Assembly (Wiremold 6CT)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CT Series cover assemblies designed for use with 6STC, 6STCP and 6STCPAV Poke-Thru Stem Assemblies. Includes one (1) 6TS Tile Shim.	245.71	9.65

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0299 EA Furniture Feed Cover Assembly (Wiremold 6CFFTC) Note: Surface style, die-cast aluminum cover assembly, with one (1) 3/4" trade size screw plug opening, and one (1) concentric 2"-1 1/4" trade size screw plug opening. Cover assembly is available in finishes: black (BK), gray(GY), nickel (NK), brass (BS), and bronze (BZ). 6CFFTC Series Cover Assemblies designed for use with 6STC Poke- Thru Stem Assembly. Includes one (1) 3/4" and one (1) 2" trade size conduit fittings and one (1) divider to separate services.	204.68	9.65
26 05 33 16-0300 EA Tile Shim (Wiremold 6TS) Note: Used for floor coverings greater than 5/16" The 6TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" of adjustment.	29.88	2.41
26 05 33 16-0301 EA Device Mounting Plate (Wiremold 6AAP) Note: Device plate that will accept up to two (2) Extron® Electronics AAP style plates. For use in the center compartment only. Devices supplied by others.	15.60	4.83
26 05 33 16-0302 EA Device Mounting Plate (Wiremold 6ACT8A) Note: Device plate that will accept up to eight (8) ports of communication devices. For use in the center compartment only. Devices supplied by others.	17.82	4.83
26 05 33 16-0303 EA Device Mounting Plate (Wiremold 6B) Note: Device plate used to blank off center compartment, when no devices are used.	15.54	4.83
26 05 33 16-0304 EA Device Mounting Plate (Wiremold 6DEC) Note: Device plate that will accept Decorator style devices such as 20A receptacles, GFCLs, 106 adapters or AVV devices. For use in the center compartment only. Devices supplied by others.	15.58	4.83
26 05 33 16-0305 EA Device Mounting Plate (Wiremold 6DP) Note: Device plate that will accept standard 20A duplex receptacle or duplex Turnlok receptacle. For use in the center compartment only. Devices supplied by others.	15.48	4.83
26 05 33 16-0306 EA Device Mounting Plate (Wiremold 6MAAP) Note: Device plate that will accept up to six (6) Extron® Electronics MAAP style plates. For use in the center compartment only. Devices supplied by others.	18.06	4.83
26 05 33 16-0307 EA Device Mounting Plate (Wiremold 6MAAP2A) Note: Combination device plate that will accept up to three (3) Extron® Electronics MAAP style plates, and up to two (2) ports of communication devices. For use in the center compartment only. Devices supplied by others.	17.88	4.83
26 05 33 16-0308 EA Mosaic Mounting Plate (Wiremold 6MOS) Note: Device plate will accept two (2) standard [45mm x 45mm] or one (1) standard [45mm x 90mm] Mosaic style device(s). Devices supplied by others.	18.28	4.83
26 05 33 16-0309 EA Device Mounting Plate (Wiremold 6S1) Note: Receptacle opening 1 3/8". For 6" poke-thru units only.	15.27	4.83
26 05 33 16-0310 EA Device Mounting Plate (Wiremold 6S2) Note: Receptacle opening 1 9/16". For 6" poke-thru units only.	15.28	4.83
26 05 33 16-0311 EA Device Mounting Plate (Wiremold 6SER) Note: Device plate that will accept up to four (4) Ortronics® Series II dual modular inserts. For use in the center compartment only. Devices supplied by others.	15.09	4.83
26 05 33 16-0312 EA Device Mounting Plate (Wiremold 6TRAC) Note: Device plate that will accept up to eight (8) Ortronics® TracJack devices. For use in the center compartment only. Devices supplied by others.	15.09	4.83
26 05 33 16-0313 EA 20AMP Duplex Receptacles (Wiremold 68REC) Note: Two (2) proprietary 20AMP duplex power receptacles with mounting plates. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated ground device.	35.20	7.23
26 05 33 16-0314 EA Device Mounting Plate (Wiremold 68B) Note: Blank plate. Used to blank off either of the side compartments when no devices or cabling are to be used.	13.92	4.83
26 05 33 16-0315 EA Device Mounting Plate (Wiremold 68MAAP) Note: Device plate that will accept up to two (2) Extron® Electronics MAAP device plates. For use in either of the two side compartments only. Not for use in the center compartment. Extron Devices supplied by others.	14.24	4.83
26 05 33 16-0316 EA 20AMP Duplex Receptacles (Wiremold 68REC-25) Note: Two (2) proprietary 20AMP duplex power receptacles with mounting plates and 25' leads. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated	107.01	8.69
26 05 33 16-0317 EA Device Mounting Plate (Wiremold 682A) Note: Device plate that will accept up to two (2) ports of communication devices. For use in either of the two side compartments only. Not for use in the center compartment. Communication devices supplied by others.	17.67	4.83
26 05 33 16-0318 EA Bottom Housing Assembly (Wiremold 5PHTA) Note: Half-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required. For use on side compartments only.	18.37	4.83
26 05 33 16-0319 EA Bottom Housing Assembly (Wiremold 5BLH) Note: Half-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required. For use on side compartments only. Includes tunnels for 6" and 8" poke-thru devices.	18.86	4.83
26 05 33 16-0320 EA Bottom Housing Assembly (Wiremold 152CHA) Note: One and a half-gang 2" trade size conduit housing assembly. Recommended for use with furniture feed devices (6ATCFF). Covers the center compartment and one of the side compartments.	29.55	9.65
26 05 33 16-0321 EA Bottom Housing Assembly (Wiremold 575CHA) Note: Half-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections. For use on side compartments only.	34.12	12.06
26 05 33 16-0322 EA Bottom Housing Assembly (Wiremold 175CHA) Note: One-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections.	37.31	12.06
26 05 33 16-0323 EA Bottom Housing Assembly (Wiremold 1125CHA) Note: One-gang 1 1/4" trade size conduit housing assembly.	28.47	9.65
26 05 33 16-0324 EA Bottom Housing Assembly (Wiremold 1PHTA) Note: One-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required.	18.25	4.83
26 05 33 16-0325 EA Bottom Housing Assembly (Wiremold 1BLH) Note: One-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required.	18.25	4.83
26 05 33 16-0326 EA Bottom Housing Assembly (Wiremold 15FFHA) Note: One and a half-gang pass through conduit housing assembly. Used for furniture feed applications on the center compartment only. Only for use with 6AT Series units.	19.16	4.83



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0327 EA Bottom Housing Assembly (Wiremold 1BHA)..... Note: One-gang bottom housing assembly. Designed to accept 175CHA, 1125CHA, 1PTH, and 1BLH plates.	19.78	4.83
26 05 33 16-0328 Evolution 8AT Poke Thru Units <small>(26 05 33 16-0284)</small> Note: Excludes concrete drilling.		
26 05 33 16-0329 EA Recessed Rewired Assembly With Surface Style Cover (Wiremold 8ATCP) Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	801.68	38.60
26 05 33 16-0330 EA Recessed Rewired Assembly With Flush Style Cover (Wiremold 8ATP) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	763.50	38.60
26 05 33 16-0331 EA Recessed Assembly With Surface Style Cover (Wiremold 8ATC)..... Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	756.32	38.60
26 05 33 16-0332 EA Recessed Assembly With Flush Style Cover (Wiremold 8AT) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	749.51	38.60
26 05 33 16-0333 EA Recessed Assembly With Disposable Plate (Wiremold 8STC)..... Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	456.07	36.19
26 05 33 16-0334 EA Recessed Rewired Assembly With Disposable Plate (Wiremold 8STCP) Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	509.85	36.19
26 05 33 16-0335 EA 8" Pre-Pour Poke-Thru Sleeve (Wiremold 8PPS) Note: Nonmetallic sleeve attaches to structural decking and maintains 8"-8 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	131.81	19.30
26 05 33 16-0336 EA Surface Style Cover Assembly (Wiremold 8CTC)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies.	265.52	9.65
26 05 33 16-0337 EA Flush Style Cover Assembly (Wiremold 8CT)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies. Includes one (1) 8TS Tile Shim.	265.52	9.65
26 05 33 16-0338 EA Tile Shim (Wiremold 8TS)..... Note: Used for floor coverings greater than 5/16". The 8TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" [9.5mm] of adjustment.	46.21	2.41
26 05 33 16-0339 EA Device Mounting Plate (Wiremold 8B) Note: Singlegang device plate used to blank off any one (1) of the three (3) gangs in the center compartment, when no devices are used.	16.08	4.83
26 05 33 16-0340 EA Device Mounting Plate (Wiremold 8DP) Note: Singlegang device plate that accepts standard 20A duplex receptacle or a duplex Turnlok receptacle. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	16.16	4.83
26 05 33 16-0341 EA Device Mounting Plate (Wiremold 8DEC)..... Note: Singlegang device plate that will accept Decorator style devices such as 20A receptacles, GGCLs, 106 adapters or A/V devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	16.26	4.83
26 05 33 16-0342 EA Device Mounting Plate (Wiremold 8ACT6A)..... Note: Singlegang device plate that will accept up to six (6) ports of communication devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	18.64	4.83
26 05 33 16-0343 EA Mosaic Mounting Plate (Wiremold 8MOS) Note: Device plate accepts three (3) standard Mosaic devices. Devices supplied by others.	22.32	4.83
26 05 33 16-0344 EA Crestron Double Gang Plate (Wiremold 8CREST) Note: Device plate accepts Crestron double-gang decorator style devices.	22.28	4.83
26 05 33 16-0345 EA Device Mounting Plate (Wiremold 8S1) Note: Receptacle opening 1 3/8". For 8" poke-thru units only.	15.63	4.83
26 05 33 16-0346 EA Device Mounting Plate (Wiremold 8S2) Note: Receptacle opening 1 9/16". For 8" poke-thru units only.	15.81	4.83
26 05 33 16-0347 EA Device Mounting Plate (Wiremold 8TRAC)..... Note: Singlegang device plate that will accept up to six (6) Ortronics TracJack devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	15.63	4.83
26 05 33 16-0348 EA Device Mounting Plate (Wiremold 8SER) Note: Singlegang device plate that will accept up to three (3) Ortronics Series II dual modular inserts. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	15.63	4.83
26 05 33 16-0349 EA Device Mounting Plate (Wiremold 8MAAP) Note: Singlegang device plate that will accept up to four (4) Extron® Electronics MAAP style plates. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	21.99	4.83
26 05 33 16-0350 EA Device Mounting Plate (Wiremold 8AAP) Note: Twogang device plate that will accept up to four (4) Extron® Electronics AAP style plates. 8AAP takes up 2 of the 3 gangs in the center compartment. Devices supplied by others.	18.54	4.83
26 05 33 16-0351 EA 8" Divider (Wiremold 8DIV)..... Note: Divider allows for separation of services when required.	21.18	4.83
26 05 33 16-0352 EA Bottom Housing Assembly (Wiremold 22CHA)..... Note: Two-gang 2" trade size conduit housing assembly. Used on 8AT Series devices. Covers two (2) of the three (3) gangs in the center compartment. Only for use with 8AT Series units.	29.55	9.65

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**26 05 33 23 Surface Raceways For Electrical Systems (26 05 33)****26 05 33 23-001 Raceways (26 05 33 23)****26 05 33 23-002 Wireway With Screw Cover (26 05 33 23-001)**

Note: Also known as wire trough. Galvanized steel construction. Mounted exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.

26 05 33 23-003 2-1/2" x 2-1/2", Wireway With Screw Cover (26 05 33 23-002)

26 05 33 23-004	LF 2-1/2" x 2-1/2", NEMA 1, Surface Mounted Wireway With Screw Cover	21.22	4.41
	For Combination Hinged Screw Cover, Add	0.62	
	For Concrete Or Masonry Surface, Add	0.44	
26 05 33 23-005	EA 2-1/2" x 2-1/2", End Plate For Surface Mounted Wireway With Screw Cover	17.73	6.61
	For Combination Hinged Screw Cover, Add	0.23	
26 05 33 23-006	EA 2-1/2" x 2-1/2", Coupling For Surface Mounted Wireway With Screw Cover	21.00	8.25
	For Combination Hinged Screw Cover, Add	0.23	
26 05 33 23-007	EA 2-1/2" x 2-1/2", Panel Adapter For Surface Mounted Wireway With Screw Cover	44.07	15.43
	For Combination Hinged Screw Cover, Add	0.66	
26 05 33 23-008	EA 2-1/2" x 2-1/2", Elbow For Surface Mounted Wireway With Screw Cover	70.33	15.43
	For Combination Hinged Screw Cover, Add	1.97	
26 05 33 23-009	EA 2-1/2" x 2-1/2", Tee For Surface Mounted Wireway With Screw Cover	104.12	21.97
	For Combination Hinged Screw Cover, Add	3.01	
26 05 33 23-010	EA 2-1/2" x 2-1/2", Cross For Surface Mounted Wireway With Screw Cover	116.86	24.26
	For Combination Hinged Screw Cover, Add	3.42	

26 05 33 23-011 4" x 4", Wireway With Screw Cover (26 05 33 23-002)

26 05 33 23-012	LF 4" x 4", NEMA 1, Surface Mounted Wireway With Screw Cover	25.99	5.56
	For Combination Hinged Screw Cover, Add	0.75	
	For Concrete Or Masonry Surface, Add	0.55	
26 05 33 23-013	LF 4" x 4", NEMA 3R, Surface Mounted Wireway With Screw Cover	46.37	5.56
	For Combination Hinged Screw Cover, Add	1.77	
	For Concrete Or Masonry Surface, Add	0.55	
26 05 33 23-014	EA 4" x 4", End Plate For Surface Mounted Wireway With Screw Cover	14.39	4.85
	For Combination Hinged Screw Cover, Add	0.23	
26 05 33 23-015	EA 4" x 4", Coupling For Surface Mounted Wireway With Screw Cover	23.22	9.26
	For Combination Hinged Screw Cover, Add	0.23	
26 05 33 23-016	EA 4" x 4", Panel Adapter For Surface Mounted Wireway With Screw Cover	52.09	18.88
	For Combination Hinged Screw Cover, Add	0.71	
26 05 33 23-017	EA 4" x 4", Elbow For Surface Mounted Wireway With Screw Cover	80.96	18.88
	For Combination Hinged Screw Cover, Add	2.16	
26 05 33 23-018	EA 4" x 4", Tee For Surface Mounted Wireway With Screw Cover	114.50	24.52
	For Combination Hinged Screw Cover, Add	3.27	
26 05 33 23-019	EA 4" x 4", Cross For Surface Mounted Wireway With Screw Cover	132.31	28.67
	For Combination Hinged Screw Cover, Add	3.75	

26 05 33 23-020 6" x 6", Wireway With Screw Cover (26 05 33 23-002)

26 05 33 23-021	LF 6" x 6", NEMA 1, Surface Mounted Wireway With Screw Cover	38.75	6.61
	For Combination Hinged Screw Cover, Add	1.27	
	For Concrete Or Masonry Surface, Add	0.66	
26 05 33 23-022	LF 6" x 6", NEMA 3R, Surface Mounted Wireway With Screw Cover	74.48	6.61
	For Combination Hinged Screw Cover, Add	3.06	
	For Concrete Or Masonry Surface, Add	0.66	
26 05 33 23-023	EA 6" x 6", End Plate For Surface Mounted Wireway With Screw Cover	18.13	5.29
	For Combination Hinged Screw Cover, Add	0.38	
26 05 33 23-024	EA 6" x 6", Coupling For Surface Mounted Wireway With Screw Cover	29.61	11.02
	For Combination Hinged Screw Cover, Add	0.38	
26 05 33 23-025	EA 6" x 6", Panel Adapter For Surface Mounted Wireway With Screw Cover	73.20	21.97
	For Combination Hinged Screw Cover, Add	1.47	
26 05 33 23-026	EA 6" x 6", Elbow For Surface Mounted Wireway With Screw Cover	103.69	21.97
	For Combination Hinged Screw Cover, Add	2.99	
26 05 33 23-027	EA 6" x 6", Tee For Surface Mounted Wireway With Screw Cover	162.34	27.44
	For Combination Hinged Screw Cover, Add	5.38	
26 05 33 23-028	EA 6" x 6", Cross For Surface Mounted Wireway With Screw Cover	176.13	31.76
	For Combination Hinged Screw Cover, Add	5.63	

26 05 33 23-029 8" x 8", Wireway With Screw Cover (26 05 33 23-002)

26 05 33 23-030	LF 8" x 8", NEMA 1, Surface Mounted Wireway With Screw Cover	62.22	7.24
	For Combination Hinged Screw Cover, Add	2.39	
	For Concrete Or Masonry Surface, Add	0.72	
26 05 33 23-031	LF 8" x 8", NEMA 3R, Surface Mounted Wireway With Screw Cover	113.10	7.24
	For Combination Hinged Screw Cover, Add	4.93	
	For Concrete Or Masonry Surface, Add	0.72	
26 05 33 23-032	EA 8" x 8", End Plate For Surface Mounted Wireway With Screw Cover	19.96	5.73
	For Combination Hinged Screw Cover, Add	0.42	
26 05 33 23-033	EA 8" x 8", Coupling For Surface Mounted Wireway With Screw Cover	32.31	11.91
	For Combination Hinged Screw Cover, Add	0.42	
26 05 33 23-034	EA 8" x 8", Panel Adapter For Surface Mounted Wireway With Screw Cover	81.66	24.17
	For Combination Hinged Screw Cover, Add	1.67	
26 05 33 23-035	EA 8" x 8", Elbow For Surface Mounted Wireway With Screw Cover	131.19	24.17
	For Combination Hinged Screw Cover, Add	4.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0036 EA 8" x 8", Tee For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	194.97 6.77	29.82
26 05 33 23-0037 EA 8" x 8", Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	271.71 9.97	36.17
26 05 33 23-0038 10" x 10", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>		
26 05 33 23-0039 LF 10" x 10", NEMA 1, Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	90.17 3.67 0.84	8.38
26 05 33 23-0040 LF 10" x 10", NEMA 3R, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	159.02 7.11 0.84	8.38
26 05 33 23-0041 EA 10" x 10", End Plate For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	27.83 0.73	6.61
26 05 33 23-0042 EA 10" x 10", Coupling For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	41.06 0.73	13.23
26 05 33 23-0043 EA 10" x 10", Panel Adapter For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	108.40 2.79	26.29
26 05 33 23-0044 EA 10" x 10", Elbow For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	206.65 7.70	26.29
26 05 33 23-0045 EA 10" x 10", Tee For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	311.97 12.28	33.17
26 05 33 23-0046 EA 10" x 10", Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	444.19 18.46	37.49
26 05 33 23-0047 12" x 12", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>		
26 05 33 23-0048 LF 12" x 12", NEMA 1, Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	105.91 4.28 1.01	10.14
26 05 33 23-0049 LF 12" x 12", NEMA 3R, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	175.10 7.74 1.01	10.14
26 05 33 23-0050 EA 12" x 12", End Plate For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	36.42 1.12	7.06
26 05 33 23-0051 EA 12" x 12", Coupling For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	50.53 1.12	14.11
26 05 33 23-0052 EA 12" x 12", Panel Adapter For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	141.67 4.22	28.67
26 05 33 23-0053 EA 12" x 12", Elbow For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	271.79 10.72	28.67
26 05 33 23-0054 EA 12" x 12", Tee For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	350.36 13.99	35.29
26 05 33 23-0055 EA 12" x 12", Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	569.27 24.49	39.70
26 05 33 23-0056 Surface Metal Raceways <small>(26 05 33 23-0001)</small>		
Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.		
26 05 33 23-0057 One Piece Surface Metal Raceways <small>(26 05 33 23-0056)</small>		
Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).		
26 05 33 23-0058 3/4" x 17/32" One Piece Surface Metal Raceways (Wiremold #500) <small>(26 05 33 23-0057)</small>		
Note: Available in ivory.		
26 05 33 23-0059 LF 3/4" x 17/32" One Piece Surface Metal Raceway (Wiremold #500)..... <i>For Concrete Or Masonry Surface, Add</i>	3.84 0.13	1.32
26 05 33 23-0060 EA Bushing (Wiremold #502)	3.82	1.76
26 05 33 23-0061 EA One Or Two Hole Strap (Wiremold #504).....	3.85	1.76
26 05 33 23-0062 EA Connection Cover (Wiremold #506).....	3.99	1.76
26 05 33 23-0063 EA Flat 90 Degree Elbow (Wiremold #511)	5.99	2.11
26 05 33 23-0064 EA Flat 45 Degree Elbow (Wiremold #512)	9.79	2.20
26 05 33 23-0065 EA Adjustable Internal Elbow (Wiremold #517).....	7.46	2.65
26 05 33 23-0066 EA Adjustable External Elbow (Wiremold #518).....	7.30	2.65
26 05 33 23-0067 3/4" x 21/32" One Piece Surface Metal Raceways (Wiremold #700) <small>(26 05 33 23-0057)</small>		
Note: Available in ivory and white.		
26 05 33 23-0068 LF 3/4" x 21/32" One Piece Surface Metal Raceway (Wiremold #700)..... <i>For Concrete Or Masonry Surface, Add</i>	4.86 0.18	1.76
26 05 33 23-0069 EA Bushing (Wiremold #702)	3.91	1.76
26 05 33 23-0070 EA One Or Two Hole Strap (Wiremold #704).....	4.03	1.76
26 05 33 23-0071 EA Connection Cover (Wiremold #706).....	4.05	1.76
26 05 33 23-0072 EA Flat 90 Degree Elbow (Wiremold #711)	8.88	3.53
26 05 33 23-0073 EA Flat 45 Degree Elbow (Wiremold #712)	13.72	3.53
26 05 33 23-0074 EA Adjustable Internal Elbow (Wiremold #717).....	9.54	3.53
26 05 33 23-0075 EA Adjustable External Elbow (Wiremold #718).....	9.24	3.53



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT UNIT COST
 DEMOLITION UNIT COST

26 05 33 23-0076 One Piece Surface Metal Raceways Fittings (Wiremold #500 And 700 Fittings) (26 05 33 23-0057)

Note: Available in ivory.

26 05 33 23-0077	EA	18" Flex Fitting, For #500 Or 700 (Wiremold #5700F)	25.51	2.65
26 05 33 23-0078	EA	Galvanized Coupling For #500 Or 700 (Wiremold #5701)	4.00	1.76
26 05 33 23-0079	EA	Supporting Clip, For #500 Or 700 (Wiremold #5703)	4.00	1.76
26 05 33 23-0080	EA	Ground Clamp (Wiremold #5709)	11.31	2.65
26 05 33 23-0081	EA	Grounding Connector (Wiremold #5709GC)	9.60	2.65
26 05 33 23-0082	EA	L Or R (Left Or Right) Twisted Internal Ell (Wiremold #5711)	10.97	3.53
26 05 33 23-0083	EA	Tee (Wiremold #5715)	12.39	4.41
26 05 33 23-0084	EA	2-1/2" x 2-3/8" x 2-1/2" Corner Box (Wiremold #5719)	21.05	3.53
26 05 33 23-0085	EA	Utility Box For #500 Or #700 (Wiremold #57242)	16.30	3.53
26 05 33 23-0086	EA	2-3/8" Diameter, Blank Cover (Wiremold #5731)	8.80	2.20
26 05 33 23-0087	EA	3" Diameter, Outlet Box (Wiremold #5733)	20.07	3.53
26 05 33 23-0088	EA	4-3/4" Square x 1-3/8" Deep, Distribution Box (Wiremold #5735)	19.99	3.53
26 05 33 23-0089	EA	4-3/8" Blank Cover (Wiremold #5736)	9.31	2.20
26 05 33 23-0090	EA	4-3/4" Diameter, Extension Box/Open Base (Wiremold #5737)	18.21	3.53
26 05 33 23-0091	EA	5-1/2" Diameter, Extension Box/Open Base (Wiremold #5737A)	17.58	3.53
26 05 33 23-0092	EA	4-3/4" Diameter, Fixture Box/Solid Base (Wiremold #5738)	17.73	3.53
26 05 33 23-0093	EA	5-1/2" Diameter, Fixture Box/Solid Base (Wiremold #5738A)	17.73	3.53
26 05 33 23-0094	EA	5-1/2" Diameter, Fan Box/Solid Base (Wiremold #5738AF)	19.99	3.53
26 05 33 23-0095	EA	6-3/8" Diameter, Fixture Box/Solid Base (Wiremold #5739)	19.76	3.53
26 05 33 23-0096	EA	6-3/8" Diameter, Extension Box/Open Base (Wiremold #5739A)	21.06	3.53
26 05 33 23-0097	EA	Standard Switch Box For #500, Or #700 (Wiremold #57240)	23.95	5.73
26 05 33 23-0098	EA	Duplex Receptacle And Box, Ground, For #500 Or #700 (Wiremold #57243G)	38.12	11.02
26 05 33 23-0099	EA	2-13/16" x 4-5/8" x 1-3/8" Switch And Receptacle Box For Shallow Type Switches (Wiremold #5741)	18.24	5.73
26 05 33 23-0100	EA	1 Gang, 4-5/8" x 2-7/8" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744)	28.52	5.73
26 05 33 23-0101	EA	2 Gang, 4-3/4" x 4-3/4" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-2)	32.60	5.73
26 05 33 23-0102	EA	3 Gang, 4-5/8" x 6-1/2" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-3)	49.19	5.73
26 05 33 23-0103	EA	1 Gang, Signal Box (Wiremold #5744S)	25.80	4.85
26 05 33 23-0104	EA	2 Gang, Signal Box (Wiremold #5744S-2)	28.74	4.85
26 05 33 23-0105	EA	3 Gang, Signal Box (Wiremold #5744S-3)	45.79	4.85
26 05 33 23-0106	EA	4-5/8" x 2-7/8" x 1-3/4" Combination Switch And Receptacle Box With 1/2" KO's (Wiremold #5745)	19.02	5.73
26 05 33 23-0107	EA	4-5/8" x 2-7/8" x 1-3/8", 1 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747)	16.80	5.73
26 05 33 23-0108	EA	4-3/4" x 4-3/4" x 1-3/8", 2 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-2)	23.39	5.73
26 05 33 23-0109	EA	4-5/8" x 6-1/2" x 2-3/4", 3 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-3)	44.95	5.73
26 05 33 23-0110	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748)	17.91	5.73
26 05 33 23-0111	EA	4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-2)	24.72	5.73
26 05 33 23-0112	EA	4-5/8" x 6-1/2" x 1-3/4", 3 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-3)	43.71	5.73
26 05 33 23-0113	EA	4-5/8" x 8-11/32" x 1-3/4", 4 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-4)	64.59	5.73
26 05 33 23-0114	EA	4-5/8" x 10-5/32" x 1-3/4", 5 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-5)	106.12	5.73
26 05 33 23-0115	EA	4-5/8" x 11-31/32" x 1-3/4", 6 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-6)	107.98	5.73
26 05 33 23-0116	EA	4-3/8" x 2-7/8" x 15/16" Shallow Switch And Receptacle Box For Shallow Duplex Devices (Wiremold #5748-S)	17.70	5.73
26 05 33 23-0117	EA	4-5/8" x 2-7/8" x 15/16", 1 Gang, Flush-Type Extension Adapter (Wiremold #5751)	17.23	5.73
26 05 33 23-0118	EA	4-3/4" x 4-3/4" x 15/16", 2 Gang, Flush-Type Extension Adapter (Wiremold #5751-2)	22.72	5.73
26 05 33 23-0119	EA	4-5/8" x 6-1/2" x 15/16", 3 Gang, Flush-Type Extension Adapter (Wiremold #5751-3)	44.12	5.73
26 05 33 23-0120	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Deep Flush-Type Extension Adapter (Wiremold #5751A)	18.57	5.73
26 05 33 23-0121	EA	4-11/16" x 4-11/16" x 1-3/8", 2 Gang, Alarm Device Box (Wiremold #5752)	23.87	5.73
26 05 33 23-0122	EA	4-11/16" x 4-11/16" x 2-3/4", 2 Gang, Extra Deep Alarm Device Box (Wiremold #5753)	34.14	5.73
26 05 33 23-0123	EA	Blank Extension Box (Wiremold #5760)	11.88	2.20
26 05 33 23-0124	EA	1/2" Special Nipple (Wiremold #5780)	11.33	2.20
26 05 33 23-0125	EA	1/2" Box Connector (Wiremold #5781)	7.61	2.20
26 05 33 23-0126	EA	3/4" Box Connector (Wiremold #5781A)	14.20	2.65
26 05 33 23-0127	EA	1/2" Conduit Connector (Wiremold #5782)	7.68	2.20
26 05 33 23-0128	EA	3/4" Conduit Connector (Wiremold #5782A)	17.73	2.65
26 05 33 23-0129	EA	1/2" Elbow Conduit Connector (Wiremold #5784)	15.91	2.65
26 05 33 23-0130	EA	Combination Connector, To Any 3-1/4" Or 4" Outlet Box (Wiremold #5785)	8.96	2.65
26 05 33 23-0131	EA	Offset Connector (Wiremold #5786)	14.79	2.65
26 05 33 23-0132	EA	Armor Cable Connector (Wiremold #5790B)	7.79	2.20
26 05 33 23-0133	EA	1/2" Electrical Metallic Tubing (EMT) Connector, For #500 Or 700 (Wiremold #5791)	6.88	1.76

26 05 33 23-0134 1-9/16" x 11/32" One Piece Surface Metal Raceways (Wiremold #1500) (26 05 33 23-0057)

Note: Galvanized finish.

26 05 33 23-0135	LF	1-9/16" x 11/32" One Piece Surface Metal Raceway (Wiremold #1500-10)	6.97	2.20
		For Concrete Or Masonry Surface, Add	0.22	
26 05 33 23-0136	EA	Wire Clip (Wiremold #1500WC)	4.38	1.76
26 05 33 23-0137	EA	Bushing (Wiremold #1502)	5.20	2.20
26 05 33 23-0138	EA	2-Hole Strap (Wiremold #1504)	5.89	2.65
26 05 33 23-0139	EA	Flat Elbow (Wiremold #1511)	22.63	8.38
26 05 33 23-0140	EA	Internal Elbow (Wiremold #1517)	23.36	8.38
26 05 33 23-0141	EA	Adapter Fitting (Wiremold #1517B)	25.05	8.38
26 05 33 23-0142	EA	External Elbow (Wiremold #1518)	24.91	8.38
26 05 33 23-0143	EA	Utility Box (Wiremold #1528)	22.31	5.73
26 05 33 23-0144	EA	Junction Box (Wiremold #1542D)	22.99	5.73
26 05 33 23-0145	EA	Duplex Receptacle (Wiremold #1543GL)	45.05	11.02
26 05 33 23-0146	EA	Single Receptacle Box (Wiremold #1546A)	23.66	5.73



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 05 33 23-0147	EA		Duplex Receptacle Box (Wiremold #1546B).....	28.82	5.73
	26 05 33 23-0148	EA		Telephone Box (Wiremold #1546T).....	28.28	5.73
	26 05 33 23-0149	EA		Combination Connection (Wiremold #1585).....	13.65	2.65
26 05 33 23-0150				2-7/32" x 28/32" One Piece Surface Metal Raceways (Wiremold #2600) <small>(26 05 33 23-0057)</small>		
				Note: Galvanized finish.		
	26 05 33 23-0151	LF		2-7/32" x 28/32" One Piece Surface Metal Raceway (Wiremold #2600-10).....	11.38	3.97
				<i>For Concrete Or Masonry Surface, Add</i>	0.40	
	26 05 33 23-0152	EA		Wire Clip (Wiremold #2600WC).....	4.36	1.76
	26 05 33 23-0153	EA		Fiber Bushing (Wiremold #2602).....	4.82	1.76
	26 05 33 23-0154	EA		2-5/8", 90 Degree Flat Elbow (Wiremold #2611).....	16.47	3.09
	26 05 33 23-0155	EA		5" Diameter, Junction Box (Wiremold #2642D).....	24.61	4.41
	26 05 33 23-0156	EA		Service Fitting (Wiremold #2686FO).....	24.36	5.29
26 05 33 23-0157				Two Piece Surface Metal Raceways <small>(26 05 33 23-0056)</small>		
				Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).		
26 05 33 23-0158				1-9/32" x 3/4" Two Piece Surface Metal Raceways (Wiremold #2000) <small>(26 05 33 23-0157)</small>		
	26 05 33 23-0159	LF		1-9/32" x 3/4" Two Piece Surface Metal Raceway Base And Cover (Wiremold #2000BC).....	6.68	2.20
				<i>For Concrete Or Masonry Surface, Add</i>	0.22	
	26 05 33 23-0160	EA		Wire Clip (Wiremold #2000WC).....	3.23	1.76
	26 05 33 23-0161	EA		Coupling (Wiremold #2001).....	8.67	2.20
	26 05 33 23-0162	EA		Supporting Clip (Wiremold #2003).....	4.13	1.32
	26 05 33 23-0163	EA		Cover Clip (Wiremold #2006).....	3.84	1.32
	26 05 33 23-0164	EA		Ground Clamp (Wiremold #2009).....	9.82	2.20
	26 05 33 23-0165	EA		Entrance End Fitting (Wiremold #2010A2).....	19.70	6.61
	26 05 33 23-0166	EA		Entrance End Fitting (Wiremold #2010A3).....	33.37	8.82
	26 05 33 23-0167	EA		Blank End Fitting (Wiremold #2010B).....	5.28	2.20
	26 05 33 23-0168	EA		Flat 90 Degree Elbow (Wiremold #2011).....	16.95	5.73
	26 05 33 23-0169	EA		Tee (Wiremold #2015).....	30.82	8.29
	26 05 33 23-0170	EA		Internal Corner Coupling (Wiremold #2017TC).....	10.94	4.41
	26 05 33 23-0171	EA		Single Gang device Box (Wiremold #2048).....	25.56	7.85
	26 05 33 23-0172	EA		#2048-2 2-Gang device Box.....	39.86	8.73
	26 05 33 23-0173	EA		#2051H Flush Plate Adapter.....	27.72	8.73
	26 05 33 23-0174	EA		#2089 Side Reducing Connector.....	22.51	4.41
	26 05 33 23-0175	EA		#2089E End Reducing Connector.....	9.33	2.20
26 05 33 23-0176				1-7/8" x 7/8" Two Piece Surface Metal Raceways (Wiremold #2400) <small>(26 05 33 23-0157)</small>		
				Note: Available in gray enamel (G) or ivory (V).		
	26 05 33 23-0177	LF		#2400B, 1-7/8" x 7/8" Two Piece Surface Metal Raceway Base.....	5.63	2.20
				<i>For Concrete Or Masonry Surface, Add</i>	0.22	
	26 05 33 23-0178	LF		#2400BD, 1-7/8" x 7/8" Divided Two Piece Surface Metal Raceway Base.....	6.11	2.20
				<i>For Concrete Or Masonry Surface, Add</i>	0.22	
	26 05 33 23-0179	LF		#2400C Raceway Cover.....	2.12	0.44
	26 05 33 23-0180	EA		#2400WC Wire Clip.....	3.18	1.76
	26 05 33 23-0181	EA		#2401 Coupling.....	8.54	2.20
	26 05 33 23-0182	EA		#2401D Divided Raceway Coupling.....	6.74	2.20
	26 05 33 23-0183	EA		#2406 Cover Clip.....	3.76	1.32
	26 05 33 23-0184	EA		#2407-2CM Device Bracket Frame.....	27.09	6.61
	26 05 33 23-0185	EA		#2407-2TJ Device Bracket Frame.....	26.02	6.61
	26 05 33 23-0186	EA		#2409 Ground Clamp.....	6.98	1.76
	26 05 33 23-0187	EA		#2410A End Fitting.....	18.41	6.61
	26 05 33 23-0188	EA		#2410B Blank End.....	5.24	2.20
	26 05 33 23-0189	EA		#2410BD Divided Blank End Fitting.....	5.30	2.20
	26 05 33 23-0190	EA		#2410C Entrance End Fitting.....	26.98	6.61
	26 05 33 23-0191	EA		#2410D Divided Entrance End Fitting.....	25.95	6.61
	26 05 33 23-0192	EA		#2410DFO Divided Entrance End Fitting.....	41.31	6.61
	26 05 33 23-0193	EA		#2410FC Full Cap Entrance End Fitting.....	32.10	6.61
	26 05 33 23-0194	EA		#2411D Divided Flat 90 Degree Elbow.....	20.41	6.61
	26 05 33 23-0195	EA		#2411DFO Radiused Divided Flat 90 Degree Elbow.....	31.54	6.61
	26 05 33 23-0196	EA		#2411FO Radiused Flat 90 Degree Elbow.....	28.43	6.52
	26 05 33 23-0197	EA		#2411M Flat 90 Degree Elbow.....	19.54	6.61
	26 05 33 23-0198	EA		#2415DFO Radiused Divided Tee.....	33.68	6.52
	26 05 33 23-0199	EA		#2415FO Radiused Tee.....	32.12	6.52
	26 05 33 23-0200	EA		#2415M Tee.....	22.80	6.52
	26 05 33 23-0201	EA		#2417D Divided Internal Coupling.....	19.34	6.52
	26 05 33 23-0202	EA		#2417DFO Radiused Divided Internal Coupling.....	29.29	6.52
	26 05 33 23-0203	EA		#2417FO Radiused Internal Coupling.....	28.48	6.52
	26 05 33 23-0204	EA		#2417M Internal Coupling.....	18.79	6.52
	26 05 33 23-0205	EA		#2418DFO Radiused Divided External Coupling.....	31.68	6.52
	26 05 33 23-0206	EA		#2418FO Radiused External Coupling.....	31.20	6.52
	26 05 33 23-0207	EA		#2418M External Coupling.....	22.45	6.52
	26 05 33 23-0208	EA		#2444 Extra Deep Switch And Receptacle, 1 Gang.....	28.75	5.73
	26 05 33 23-0209	EA		#2444-2 Extra Deep Switch And Receptacle Box, 2 Gang.....	31.75	5.73
	26 05 33 23-0210	EA		#2444-2LS Over Raceway Extra Deep Switch And Receptacle Box, 2 Gang.....	31.90	5.73

26 Electrical

26 05 Common Work Results For Electrical

26 05 33 Raceway And Boxes For Electrical Systems



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 33 23-0211	EA	#2444D Divided Extra Deep Switch And Receptacle, 1 Gang.....	30.63		5.73
26 05 33 23-0212	EA	#2444D-2A Divided Extra Deep Switch And Receptacle Box, 2 Gang.....	42.58		5.73
26 05 33 23-0213	EA	#2444D-2N Divided Over Raceway Extra Deep Switch And Receptacle Box, 2 Gang.....	37.67		5.73
26 05 33 23-0214	EA	#2448 Switch And Receptacle Box For Shallow Devices, 1 Gang, 4-5/8" x 2-7/8" x 1-3/4".....	20.61		5.73
26 05 33 23-0215	EA	#2448-2 Switch And Receptacle Box For Shallow Devices, 2 Gang, 4-3/4" x 4-3/4" x 1-3/4".....	31.08		5.73
26 05 33 23-0216	EA	#2450 Adapter Plate, Device Bracket Type.....	9.67		2.20
26 05 33 23-0217	EA	#2451H 4-1/2" x 4-1/2" Back Feed Fitting.....	23.30		6.61
26 05 33 23-0218	EA	#2475D Bridge Fitting 2400/700/500.....	65.77		6.61
26 05 33 23-0219	EA	#2489 Side Reducing Connector.....	19.59		3.53
26 05 33 23-0220 2-3/4" x 1-17/32" Two Piece Surface Metal Raceways (Wiremold #3000) <small>(26 05 33 23-0157)</small>					
Note: Available in gray enamel (G) or ivory (V).					
26 05 33 23-0221	LF	#3000B, 2-3/4" x 1-17/32" Two Piece Surface Metal Raceway Base.....	11.28		3.97
For Concrete Or Masonry Surface, Add			0.40		
26 05 33 23-0222	LF	#3000CE Raceway Cover.....	2.62		0.44
26 05 33 23-0223	EA	#3000WC Wire Clips For Conductors.....	4.29		1.76
26 05 33 23-0224	EA	#3001 Couplings.....	11.15		1.76
26 05 33 23-0225	EA	#3001A Rigid Inside Coupling.....	10.82		2.20
26 05 33 23-0226	EA	#3003 Supporting Clip.....	8.06		2.20
26 05 33 23-0227	EA	#3006E Clip Cover.....	4.69		1.76
26 05 33 23-0228	EA	#3007C Device Brackets.....	12.00		3.53
26 05 33 23-0229	EA	#3008C C-Hanger.....	11.82		2.65
26 05 33 23-0230	EA	#3010AE Entrance End Fitting For Connecting To 1/2" Conduit Or Armored Connectors.....	27.83		8.38
26 05 33 23-0231	EA	#3010B Blank End Fittings.....	10.24		3.53
26 05 33 23-0232	EA	#3010C Entrance End Fitting For Connecting To Rigid Or Flexible Conduit.....	30.71		8.38
26 05 33 23-0233	EA	#3011E Flat 90 Degree Elbow.....	45.93		10.94
26 05 33 23-0234	EA	#3014C Wall Box Connector.....	33.17		11.02
26 05 33 23-0235	EA	#3015E Tee Fitting.....	62.97		13.67
26 05 33 23-0236	EA	#3017TCE Internal Corner Coupling.....	30.03		8.38
26 05 33 23-0237	EA	#3018AE External Corner.....	36.80		8.38
26 05 33 23-0238	EA	#3027AE Single Receptacle Cover, With Face Diameters Of 1.38"-1.4".....	26.57		8.38
26 05 33 23-0239	EA	#3028 Utility Box.....	44.29		8.38
26 05 33 23-0240	EA	#3033JE Single Receptacle Cover, With Face Diameters Of 1.56"-1.57".....	14.23		2.20
26 05 33 23-0241	EA	#3036HE Blank Cover.....	15.54		2.20
26 05 33 23-0242	EA	#3040CE Switch Cover.....	14.20		2.20
26 05 33 23-0243	EA	#3043BE Duplex Receptacle Cover.....	13.65		2.65
26 05 33 23-0244	EA	#3043GE 15 Amp, 125 Volt Duplex Grounding Receptacle And Cover.....	38.27		11.47
26 05 33 23-0245	EA	#3044-2 Extra Deep Switch And Receptacle Box, 2 Gang.....	49.74		8.38
26 05 33 23-0246	EA	#3046BE Duplex Receptacle Cover.....	14.35		2.65
26 05 33 23-0247	EA	#3046H-2 Tap Off Fitting.....	13.20		2.20
26 05 33 23-0248	EA	#3046KD Circuit Breaker Housing, 1-15/16" Deep x 6" Long.....	50.38		5.29
26 05 33 23-0249	EA	#3046KTSQ Circuit Breaker Housing, 2-3/4" Deep x 7-3/8" Long.....	119.20		5.29
26 05 33 23-0250	EA	#3046QOU Circuit Breaker Housing, 1-13/16" Deep x 7-3/8" Long.....	44.21		5.29
26 05 33 23-0251	EA	#3046S Bump Up Device Plate Cover, 1-13/16" Deep x 7-15/16" Long x 2-13/16" Wide.....	47.63		5.29
26 05 33 23-0252	EA	#3046U Bump Up Device Plate Cover, 1-13/32" Deep x 7-15/16" Long x 2-13/16" Wide.....	47.63		5.29
26 05 33 23-0253	EA	#3048R Rectangular Receptacle Cover.....	15.62		2.65
26 05 33 23-0254 4-3/4" x 1-3/4" Two Piece Surface Metal Raceways (Wiremold #4000) <small>(26 05 33 23-0157)</small>					
Note: Available in gray enamel (G) or ivory (V).					
26 05 33 23-0255	LF	#4000B-10, 4-3/4" x 1-3/4" Two Piece Surface Metal Raceway Base.....	13.63		3.97
For Concrete Or Masonry Surface, Add			0.43		
26 05 33 23-0256	LF	#4000C Raceway Cover.....	4.70		0.44
26 05 33 23-0257	LF	#4000D Divider.....	2.32		0.44
26 05 33 23-0258	EA	#4000WC Wire Clips For Conductors.....	5.18		2.20
26 05 33 23-0259	EA	#4001A Couplings.....	13.54		2.65
26 05 33 23-0260	EA	#4001D Divider Clip.....	6.50		2.65
26 05 33 23-0261	EA	#4006 Seam Clip.....	6.60		2.65
26 05 33 23-0262	EA	#4007C-1 Device Plate, 1 Gang.....	61.16		5.73
26 05 33 23-0263	EA	#4007C-1R Single Device Fitting.....	64.76		5.73
26 05 33 23-0264	EA	#4007C-2 Device Plate, 2 Gang.....	69.01		5.73
26 05 33 23-0265	EA	#4010B Blank End Fittings.....	14.29		3.53
26 05 33 23-0266	EA	#4010DFO Entrance End Fitting.....	54.86		13.59
26 05 33 23-0267	EA	#4011 Flat 90 Degree Elbow.....	50.78		11.02
26 05 33 23-0268	EA	#4011FO Radiused Flat 90 Degree Elbow.....	59.69		11.02
26 05 33 23-0269	EA	#4012TX Internal Or External 45 Degree Elbow.....	55.53		13.67
26 05 33 23-0270	EA	#4014A Wall Box Connector.....	73.36		13.67
26 05 33 23-0271	EA	#4015 Tee Fitting.....	81.17		13.67
26 05 33 23-0272	EA	#4015D Divided Tee Fitting.....	84.31		13.67
26 05 33 23-0273	EA	#4015DFO Radiused Full Capacity Divided Tee Fitting.....	100.30		13.67
26 05 33 23-0274	EA	#4015FO Radiused Tee Fitting.....	100.61		13.67
26 05 33 23-0275	EA	#4017 Internal Elbow.....	45.51		13.67
26 05 33 23-0276	EA	#4017FO Internal Elbow.....	79.80		13.67
26 05 33 23-0277	EA	#4017N Inverted Internal Elbow.....	50.22		13.67
26 05 33 23-0278	EA	#4017TCA Internal Corner Coupling.....	43.02		13.67
26 05 33 23-0279	EA	#4018 External Elbow.....	66.93		13.67
26 05 33 23-0280	EA	#4018FO Radiused External Elbow.....	77.35		13.67
26 05 33 23-0281	EA	#4046ARJ Single Locking Receptacle And Two RJ11/45 Modular Connectors Outlet Cover.....	64.59		5.73
26 05 33 23-0282	EA	#4046B-2 Double Duplex Receptacle Outlet Cover.....	68.44		5.73



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0283 EA #4046DRJ Duplex Receptacle And Two RJ11/45 Modular Connector Cover	68.44	5.73
26 05 33 23-0284 EA #4046DRJ-2 Double Duplex Receptacle And Four RJ11/45 Modular Connector Cover	91.23	5.73
26 05 33 23-0285 EA #4046H-2 Tap-Off Fitting	19.79	5.73
26 05 33 23-0286 EA #4046JRJ Combination Single Receptacle And Phone Outlet Center	68.41	2.65
26 05 33 23-0287 EA #4046RRJ Rectangular Receptacle And Two RJ11/45 Modular Connector Cover	70.04	5.73
26 05 33 23-0288 EA #4050 Device Mounting Bracket	21.98	4.41
26 05 33 23-0289 EA #4074A Take-off Connector, #4000 To #3000	101.82	13.67
26 05 33 23-0290 EA #4075D Bridge Fitting	91.94	13.67
26 05 33 23-0291 EA #4075DA Bridge Fitting	91.94	13.67
26 05 33 23-0292 EA #4086A Panel Connector	76.07	26.03
26 05 33 23-0293 EA #4089 Reducing Connector Fitting	46.49	13.67
26 05 33 23-0294 4-3/4" x 3-9/16" Two Piece Surface Metal Raceways (Wiremold #6000) ^(26 05 33 23-0157)		
Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0295 LF #6000B-10, 4-3/4" x 3-9/16" Two Piece Surface Metal Raceway Base	20.00	4.85
For Concrete Or Masonry Surface, Add		0.49
26 05 33 23-0296 LF #6000C Raceway Cover	5.72	1.32
26 05 33 23-0297 LF #6000DA Divider	6.00	1.32
26 05 33 23-0298 EA #6000WC Wire Clips For Conductors	6.06	2.20
26 05 33 23-0299 EA #6001A Couplings	16.84	4.41
26 05 33 23-0300 EA #6001D Divider Clip	7.77	2.20
26 05 33 23-0301 EA #6001TX Converter Coupling	21.50	5.73
26 05 33 23-0302 EA #6006 Connection Cover	20.43	5.73
26 05 33 23-0303 EA #6007C-1 Single Gang Device Plate	21.41	5.73
26 05 33 23-0304 EA #6007C-2 Two Gang Device Plate	23.39	5.73
26 05 33 23-0305 EA #6008A C-Hanger	34.00	8.38
26 05 33 23-0306 EA #6010B Blank End Fittings	37.01	13.23
26 05 33 23-0307 EA #6011TX Combination Flat Elbow	68.51	13.23
26 05 33 23-0308 EA #6012TX Internal - External 45 Degree Elbow	69.61	12.71
26 05 33 23-0309 EA #6014A Connector Fitting	98.95	13.67
26 05 33 23-0310 EA #6017TX Combination Internal-External Elbow	71.07	14.99
26 05 33 23-0311 EA #6046KD Circuit Breaker Housing	122.90	14.99
26 05 33 23-0312 EA #6074 Take-off Connector, #6000 To #6000	118.50	13.23
26 05 33 23-0313 EA #6074A Take-off Connector, #6000 To #4000	128.12	13.23
26 05 33 23-0314 EA #6086 Panel Connector	79.52	30.70
26 05 33 23-0315 Two Piece Surface Aluminum Raceways ^(26 05 33 23-0056)		
Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).		
26 05 33 23-0316 1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceways (Wiremold #AL2000) ^(26 05 33 23-0315)		
26 05 33 23-0317 LF #AL2000B, 1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceway Base	8.88	2.20
For Concrete Or Masonry Surface, Add		0.22
26 05 33 23-0318 LF #AL2000C Aluminum Raceway Cover	4.42	0.44
26 05 33 23-0319 EA #AL2000WC Wire Clip	4.31	1.76
26 05 33 23-0320 EA #AL2001 Coupling	9.51	2.20
26 05 33 23-0321 EA #AL2003 Supporting Clip	4.66	1.32
26 05 33 23-0322 EA #AL2006 Cover Clip	5.91	1.32
26 05 33 23-0323 EA #AL2009 Ground Clamp	8.46	2.20
26 05 33 23-0324 EA #AL2010A Entrance End Fitting	23.63	6.61
26 05 33 23-0325 EA #AL2010B Blank End Fitting	7.65	2.20
26 05 33 23-0326 EA #AL2011 Flat 90 Degree Elbow	27.39	5.73
26 05 33 23-0327 EA #AL2015 Tee	37.15	8.29
26 05 33 23-0328 EA #AL2017 Internal Corner Elbow	24.78	4.41
26 05 33 23-0329 EA #AL2018 External Corner Elbow	24.73	4.41
26 05 33 23-0330 EA #AL2043 In-Line Receptacle, Two 15 Amp	40.46	8.73
26 05 33 23-0331 EA #AL2038 4-1/16" Round Fixture Box	93.68	7.85
26 05 33 23-0332 EA #AL2044 4-1/2" x 3" x 2-1/4" D Box	41.67	7.85
26 05 33 23-0333 EA #AL2044-2 4-5/8" x 4-7/8" x 2-1/2" D Box	86.27	8.73
26 05 33 23-0334 EA #AL2047 Single Gang Shallow Device Box	43.15	7.85
26 05 33 23-0335 EA #AL2047-2 2-Gang Shallow Device Box	76.27	8.73
26 05 33 23-0336 EA #AL2051H Flush Plate Adapter	32.70	8.73
26 05 33 23-0337 2" x 1-9/32" Two Piece Surface Aluminum Raceways (Wiremold #AL2400) ^(26 05 33 23-0315)		
26 05 33 23-0338 LF #AL2400B, 2" x 1-9/32" Two Piece Surface Aluminum Raceway Base	9.02	2.20
For Concrete Or Masonry Surface, Add		0.22
26 05 33 23-0339 LF #AL2400C Aluminum Raceway Cover	3.94	0.44
26 05 33 23-0340 EA #AL2400WC Wire Clip	5.34	1.76
26 05 33 23-0341 EA #AL2401 Coupling	10.49	2.20
26 05 33 23-0342 EA #AL2406 Cover Clip	6.82	1.32
26 05 33 23-0343 EA #AL2409 Ground Clamp	6.05	1.76
26 05 33 23-0344 EA #AL2410B Blank End	7.77	2.20
26 05 33 23-0345 EA #AL2410B2 End Fitting	17.30	6.61
26 05 33 23-0346 EA #AL2411 Flat 90 Degree Elbow	29.73	6.61
26 05 33 23-0347 EA #AL2415 Tee	32.20	6.52

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0348 EA #AL2416 Fourway Fitting.....	37.44	6.52
26 05 33 23-0349 EA #AL2417 Internal Coupling.....	29.62	6.52
26 05 33 23-0350 EA #AL2418 External Coupling.....	31.72	6.52
26 05 33 23-0351 EA #AL2451H 4-1/2" x 4-1/2" Back Feed Fitting.....	26.76	6.61
26 05 33 23-0352 2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceways (Wiremold #AL3300) (26 05 33 23-0315)		
26 05 33 23-0353 LF #AL3300B, 2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceway Base.....	15.54	3.97
For Concrete Or Masonry Surface, Add	0.40	
26 05 33 23-0354 LF #AL3300CE Aluminum Raceway Cover.....	4.33	0.44
26 05 33 23-0355 LF #AL3300D Raceway Divider.....	3.60	3.97
26 05 33 23-0356 EA #AL3300WC Wire Clips For Conductors.....	7.19	1.76
26 05 33 23-0357 EA #AL3301 Couplings.....	13.60	1.76
26 05 33 23-0358 EA #AL3301D Divider Coupling.....	10.95	2.20
26 05 33 23-0359 EA #AL3309 Ground Clamp.....	7.46	1.76
26 05 33 23-0360 EA #AL3310B Blank End Fittings.....	15.47	3.53
26 05 33 23-0361 EA #AL3310B1 End Fitting.....	26.03	8.38
26 05 33 23-0362 EA #AL3311 Flat 90 Degree Elbow.....	74.20	10.94
Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0363 EA #AL3315 Tee Fitting.....	85.50	13.67
Note: Includes three (3) AL3301 couplings.		
26 05 33 23-0364 EA #AL3316 Cross Fitting.....	96.09	13.67
Note: Includes four (4) AL3301 couplings.		
26 05 33 23-0365 EA #AL3317 Internal Elbow.....	68.91	8.38
Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0366 EA #AL3318 External Elbow.....	68.98	8.38
Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0367 EA #AL3346D Duplex Receptacle Cover.....	15.55	2.65
26 05 33 23-0368 EA #AL3346E Single Receptacle Cover.....	15.46	2.65
26 05 33 23-0369 EA #AL3346G GFCI/Surge Receptacle Cover.....	15.30	2.65
26 05 33 23-0370 EA #AL3356R Single Device Cover Plate.....	15.17	2.20
26 05 33 23-0371 5" x 2" Two Piece Surface Aluminum Raceways (Wiremold #AL5200) (26 05 33 23-0315)		
26 05 33 23-0372 LF #AL5200B-10, 5" x 2" Two Piece Surface Aluminum Raceway Base.....	20.08	3.97
For Concrete Or Masonry Surface, Add	0.43	
26 05 33 23-0373 LF #AL5200C Aluminum Raceway Cover.....	8.12	0.44
26 05 33 23-0374 LF #AL5200D Divider.....	4.78	0.44
26 05 33 23-0375 EA #AL5200WC Wire Clips For Conductors.....	6.63	2.20
26 05 33 23-0376 EA #AL5200WC2 Wire Clips For Conductors.....	5.60	2.20
26 05 33 23-0377 EA #AL5200WC3 Wire Clips For Conductors.....	5.57	2.20
26 05 33 23-0378 EA #AL5201 Couplings.....	13.19	2.65
26 05 33 23-0379 EA #AL5206 Cover Clip.....	11.54	2.65
26 05 33 23-0380 EA #AL5209 Ground Adapter.....	14.49	2.65
26 05 33 23-0381 EA #AL5210B Blank End Fittings.....	15.18	3.53
26 05 33 23-0382 EA #AL5210B1 Blank End Fittings.....	16.25	3.53
26 05 33 23-0383 EA #AL5210B2 Blank End Fittings.....	16.49	3.53
26 05 33 23-0384 EA #AL5210B3 Blank End Fittings.....	16.00	3.53
26 05 33 23-0385 EA #AL5211 Flat 90 Degree Elbow.....	82.32	11.02
Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0386 EA #AL5214 Wall Box Connector.....	65.60	13.67
26 05 33 23-0387 EA #AL5215 Tee Fitting.....	96.44	13.67
Note: Includes three (3) pairs of AL5201 couplings.		
26 05 33 23-0388 EA #AL5216 Four Way Fitting.....	105.58	13.67
Note: Includes four (4) pairs of AL5201 couplings.		
26 05 33 23-0389 EA #AL5217 Internal Elbow.....	85.83	13.67
Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0390 EA #AL5217A Internal Corner Coupling.....	37.75	13.67
26 05 33 23-0391 EA #AL5217N Inverted Internal Elbow.....	88.15	13.67
26 05 33 23-0392 EA #AL5218 External Elbow.....	86.55	13.67
Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0393 EA #AL5246B Blank Device Cover Plate.....	18.50	2.65
26 05 33 23-0394 EA #AL5246D Receptacle Device Cover Plate.....	21.85	2.65
26 05 33 23-0395 EA #AL5246DD Double Receptacle Device Cover Plate.....	25.84	2.65
26 05 33 23-0396 EA #AL5246F Device Cover Plate.....	24.26	2.65
26 05 33 23-0397 EA #AL5246G Device Cover Plate.....	22.44	2.65
26 05 33 23-0398 EA #AL5260 Offset Divider.....	21.36	5.73
26 05 33 23-0399 3" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA3800) (26 05 33 23-0315)		
26 05 33 23-0400 LF #ALA3800B-10 Single Channel, 3" x 2-1/4" Two Piece Surface Aluminum Raceway Base.....	17.96	3.97
26 05 33 23-0401 EA #ALA3806 Cover Clip.....	8.68	2.65
26 05 33 23-0402 EA #ALA3810B Blank End Fittings.....	15.06	3.53
26 05 33 23-0403 EA #ALA3810B1 Entrance End Cap Fittings.....	16.13	3.53
26 05 33 23-0404 EA #ALA3811 Flat 90 Degree Elbow.....	81.52	11.02
Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0405 EA #ALA3815 Flat Tee Fitting.....	84.47	13.67
Note: Includes three (3) ALA01 couplings.		
26 05 33 23-0406 EA #ALA3817 Internal Elbow.....	82.43	13.67
Note: Includes two (2) ALA01 couplings.		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0407	EA			#ALA3817N Inverted Internal Elbow..... Note: Includes two (2) ALA01 couplings.	96.63	13.67
26 05 33 23-0408	EA			#ALA3818 External Elbow..... Note: Includes two (2) ALA01 couplings.	83.48	13.67
26 05 33 23-0409				6" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA4800) <small>(26 05 33 23-0315)</small>		
26 05 33 23-0410	LF			#ALA4800B-10 Two Channel, 6" x 2-1/4" Two Piece Surface Aluminum Raceway Base.....	26.31	3.97
26 05 33 23-0411	EA			#ALA4806 Cover Clip.....	11.60	2.65
26 05 33 23-0412	EA			#ALA4810B Blank End Fittings.....	15.22	3.53
26 05 33 23-0413	EA			#ALA4810B2 Entrance End Cap Fittings.....	16.83	3.53
26 05 33 23-0414	EA			#ALA4811 Flat 90 Degree Elbow..... Note: Includes four (4) ALA01 couplings.	95.78	11.02
26 05 33 23-0415	EA			#ALA4815 Flat Tee Fitting..... Note: Includes six (6) ALA01 couplings.	130.68	13.67
26 05 33 23-0416	EA			#ALA4817 Internal Elbow..... Note: Includes four (4) ALA01 couplings.	89.48	13.67
26 05 33 23-0417	EA			#ALA4817N Inverted Internal Elbow..... Note: Includes four (4) ALA01 couplings.	104.67	13.67
26 05 33 23-0418	EA			#ALA4818 External Elbow..... Note: Includes four (4) ALA01 couplings.	93.76	13.67
26 05 33 23-0419				Two Piece Surface Aluminum Raceways Fittings (Wiremold #ALA3800 And #ALA4800) <small>(26 05 33 23-0315)</small>		
26 05 33 23-0420	LF			#ALAC-5 3" Wide Aluminum Raceway Cover..... Note: For use with ALA3800 single channel raceway and ALA4800 dual channel raceway.	5.66	0.44
26 05 33 23-0421	EA			#ALAWC Wire Clips.....	5.26	2.20
26 05 33 23-0422	EA			#ALA01 Slide Couplings.....	13.34	2.65
26 05 33 23-0423	EA			#ALA09 Grounding Adapter.....	11.55	2.65
26 05 33 23-0424	EA			#ALA11RI Bend Radius Control Insert For Flat Elbow.....	31.50	11.02
26 05 33 23-0425	EA			#ALA17A Internal Corner Coupling.....	37.73	13.67
26 05 33 23-0426	EA			#ALA17/18RI Bend Radius Control Insert For Internal And External Elbow.....	34.71	11.02
26 05 33 23-0427	EA			#ALA-BL Blank Cover Plate.....	13.92	2.65
26 05 33 23-0428	EA			#ALA-DR Duplex Receptacle Cover Plate.....	14.80	2.65
26 05 33 23-0429	EA			#ALA-E Single Receptacle Cover Plate, 1.40" Diameter Opening.....	15.38	2.65
26 05 33 23-0430	EA			#ALA-F Single Receptacle Cover Plate, 1.59" Diameter Opening.....	16.05	2.65
26 05 33 23-0431	EA			#ALA-G GFCI/Surge/Decorator Cover Plate.....	14.92	2.65
26 05 33 23-0432	EA			#ALA-J Single Receptacle Cover Plate, 2.13" Diameter Opening.....	15.39	2.65
26 05 33 23-0433	EA			#ALA-N Toggle Switch Cover Plate.....	15.77	2.65
26 05 33 23-0434	EA			#ALA-LPB Active LPB Cover Plate.....	20.02	2.65
26 05 33 23-0435	EA			#ALA-MAB Active MAB Cover Plate.....	18.86	2.65
26 05 33 23-0436	EA			#ALA-MABRT Ortronics Cover Plate.....	21.63	2.65
26 05 33 23-0437	EA			#ALA-SG 1-3/4" x 2-3/4" Cover Plate.....	15.36	2.65
26 05 33 23-0438	EA			#ALA-2A Active 2A Cover Plate.....	20.92	2.65
26 05 33 23-0439	EA			#ALA-ABRT Ortronics Communications Cover Plate.....	19.21	2.65
26 05 33 23-0440	EA			#ALA-Z 3/4" Grommet/Mousehole Cover Plate.....	15.74	2.65
26 05 33 23-0441	EA			#ALA-LPB3S2 Ortronics Low Profile Cover Plate.....	19.37	2.65
26 05 33 23-0442				Surface Metal Raceway, Preassembled With Outlets <small>(26 05 33 23-0056)</small> Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).		
26 05 33 23-0443	LF			Plugmold #2000, 3' With Outlets 6" On Center, Single Circuit..... <i>For Concrete Or Masonry Surface, Add</i>	22.79 0.70	7.04
26 05 33 23-0444	LF			Plugmold #2000, 6' With Outlets 6" On Center, Single Circuit..... <i>For Concrete Or Masonry Surface, Add</i>	17.62 0.51	5.02
26 05 33 23-0445	LF			Plugmold #2000, 6' With Outlets 9" On Center, Single Circuit..... <i>For Concrete Or Masonry Surface, Add</i>	16.65 0.53	5.31
26 05 33 23-0446	LF			Plugmold #2000, 6' With Outlets 12" On Center, Single Circuit..... <i>For Concrete Or Masonry Surface, Add</i>	18.27 0.51	5.02
26 05 33 23-0447	LF			Plugmold #2000, 6' With Outlets 18" On Center, Single Circuit..... <i>For Concrete Or Masonry Surface, Add</i>	14.93 0.51	5.11
26 05 33 23-0448	LF			Plugmold #2000, 6' With Outlets 9" On Center, Two Circuits..... <i>For Concrete Or Masonry Surface, Add</i>	20.40 0.51	5.02
26 05 33 23-0449	LF			Plugmold #2000, 6' With Outlets 12" On Center, Two Circuits..... <i>For Concrete Or Masonry Surface, Add</i>	18.08 0.51	5.02
26 05 33 23-0450	LF			Plugmold #2000, 6' With Outlets 18" On Center, Two Circuits..... <i>For Concrete Or Masonry Surface, Add</i>	19.47 0.51	5.02
26 05 33 23-0451				Surface Non-Metallic Raceways <small>(26 05 33 23-0001)</small> Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.		
26 05 33 23-0452				One Piece Surface Non-Metallic Raceways <small>(26 05 33 23-0451)</small> Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation. (Wiremold or approved equal).		
26 05 33 23-0453				#400, 7/8" x 7/16" <small>(26 05 33 23-0452)</small>		
26 05 33 23-0454	LF			#400BAC, 7/8" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover..... <i>For Concrete Or Masonry Surface, Add</i>	5.09 0.18	1.76

26 Electrical
26 05 Common Work Results For Electrical
26 05 33 Raceway And Boxes For Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0455	EA		#400WC Wire Clip	3.86	1.76
26 05 33 23-0456	EA		#406 Cover Clip	4.07	1.76
26 05 33 23-0457	EA		#410B Blank End Clip.....	7.83	3.53
26 05 33 23-0458	EA		#411 Flat 90 Degree Elbow	9.13	3.53
26 05 33 23-0459	EA		#415 Tee.....	11.49	4.41
26 05 33 23-0460	EA		#417 Internal Elbow	8.97	3.53
26 05 33 23-0461	EA		#418 External Elbow	8.97	3.53
26 05 33 23-0462			#800, 1-5/16" x 7/16" <small>(26 05 33 23-0452)</small>		
26 05 33 23-0463	LF		#800BAC, 1-5/16" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover.....	5.91	1.76
			<i>For Concrete Or Masonry Surface, Add</i>	0.18	
26 05 33 23-0464	EA		#800WC Wire Clip	3.93	1.76
26 05 33 23-0465	EA		#806 Cover Clip	4.01	1.76
26 05 33 23-0466	EA		#810A2 Entrance End Fitting.....	12.35	3.53
26 05 33 23-0467	EA		#810B Blank End Fitting	7.92	3.53
26 05 33 23-0468	EA		#811 Flat 90 Degree Elbow	9.20	3.53
26 05 33 23-0469	EA		#815 Tee.....	11.56	4.41
26 05 33 23-0470	EA		#817 Internal Elbow	9.02	3.53
26 05 33 23-0471	EA		#818 External Elbow.....	9.02	3.53
26 05 33 23-0472	EA		#889A End Reducer, #800 To #400.....	10.22	3.53
26 05 33 23-0473			#2300, 2-1/4" x 11/16" <small>(26 05 33 23-0452)</small>		
26 05 33 23-0474	LF		#2300BAC, 2-1/4" x 11/16" One Piece Surface Non-Metallic Raceway Base And Cover.....	6.85	1.76
			<i>For Concrete Or Masonry Surface, Add</i>	0.18	
26 05 33 23-0475	LF		#2300BACD, 2-1/4" x 11/16" One Piece Surface Non-Metallic Divided Raceway Base And Cover	7.30	1.76
			<i>For Concrete Or Masonry Surface, Add</i>	0.18	
26 05 33 23-0476	EA		#2300WC Wire Clip	4.13	1.76
26 05 33 23-0477	EA		#2306 Cover Clip	4.36	1.76
26 05 33 23-0478	EA		#2310A Entrance End Fitting.....	13.46	3.53
26 05 33 23-0479	EA		#2310B Blank End Fitting	8.36	3.53
26 05 33 23-0480	EA		#2310DFO Divided Entrance End Fitting.....	15.21	3.53
26 05 33 23-0481	EA		#2311 Flat 90 Degree Elbow	9.39	3.53
26 05 33 23-0482	EA		#2311DFO Divided Flat 90 Degree Elbow	10.12	3.53
26 05 33 23-0483	EA		#2315 Tee.....	11.66	4.41
26 05 33 23-0484	EA		#2317 Internal Elbow	9.39	3.53
26 05 33 23-0485	EA		#2317DFO Divided Internal Elbow.....	10.14	3.53
26 05 33 23-0486	EA		#2318 External Elbow	9.41	3.53
26 05 33 23-0487	EA		#2318DFO Divided External Elbow.....	10.27	3.53
26 05 33 23-0488	EA		#2389 End Reducer, #2300 To #400.....	10.28	3.53
26 05 33 23-0489	EA		#2389A End Reducer, #2300 To #800.....	10.75	3.53
26 05 33 23-0490			#400, #800 Or #2300 Fittings <small>(26 05 33 23-0452)</small>		
26 05 33 23-0491	EA		#2336 Blank Cover, 4-1/2" Diameter	11.55	3.09
26 05 33 23-0492	EA		#2337A Extension Box, 5-1/2" Diameter.....	19.16	3.53
26 05 33 23-0493	EA		#2338-A Fixture Box, 5-1/2" Diameter	19.27	3.53
26 05 33 23-0494	EA		#2344 Extra Deep Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide.....	17.34	3.53
26 05 33 23-0495	EA		#2344-2 Extra Deep Device Box, 2 Gang, 2-3/4" Deep x 4-3/4" Long x 4-7/8" Wide.....	20.18	3.53
26 05 33 23-0496	EA		#2344D Extra Deep Divided Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide.....	18.94	3.53
26 05 33 23-0497	EA		#2344SD-2A Deep Divided Device Box, 2 Gang, 2-1/4" Deep x 4-3/4" Long x 4-7/8" Wide.....	20.62	3.53
26 05 33 23-0498	EA		#2347 1-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 3" Wide	17.00	5.73
26 05 33 23-0499	EA		#2347-2 2-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 4-7/8" Wide.....	19.49	5.73
26 05 33 23-0500	EA		#2348 1-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide	17.73	5.73
26 05 33 23-0501	EA		#2348-2 2-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 4-7/8" Wide.....	21.49	5.73
26 05 33 23-0502	EA		#2348-3 3-Gang Deep Device Box, 1-3/4" Deep x 5" Long x 7" Wide	25.85	5.73
26 05 33 23-0503	EA		#2348AMP 1-Gang Deep Device Box With Magnetic Backing, 1-3/4" Deep x 4-3/4" Long x 3" Wide	24.47	5.73
26 05 33 23-0504	EA		#2348D 1-Gang Divided Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide.....	22.09	5.73
26 05 33 23-0505	EA		#2348S/51 Shallow Device And Extension Box, 7/8" Deep x 4-3/4" Long x 3" Wide.....	16.63	5.73
26 05 33 23-0506			#2700, 3/4" x 3/8" <small>(26 05 33 23-0452)</small>		
26 05 33 23-0507	LF		#2700, 3/4" x 3/8" One Piece Surface Non-Metallic Raceway Base And Cover	4.78	1.76
			<i>For Concrete Or Masonry Surface, Add</i>	0.18	
26 05 33 23-0508	EA		#2700WC 3/4" Wire Clip	2.03	0.88
26 05 33 23-0509	EA		#2706 Cover Clip	3.09	0.88
26 05 33 23-0510	EA		#2710B Blank End	4.85	1.76
26 05 33 23-0511	EA		#2711 Flat 90 Degree Elbow	5.76	2.20
26 05 33 23-0512	EA		#2715 Tee.....	9.30	3.97
26 05 33 23-0513	EA		#2717 Internal Elbow	6.64	2.65
26 05 33 23-0514	EA		#2718 External Elbow	6.63	2.65
26 05 33 23-0515	EA		#2786 Drop Ceiling Connector.....	7.83	3.09
26 05 33 23-0516			#2800, 1" x 1/2" <small>(26 05 33 23-0452)</small>		
26 05 33 23-0517	LF		#2800, 1" x 1/2" One Piece Surface Non-Metallic Raceway Base And Cover	6.16	2.20
			<i>For Concrete Or Masonry Surface, Add</i>	0.22	
26 05 33 23-0518	EA		#2800WC 1" Wire Clip	3.03	1.32
26 05 33 23-0519	EA		#2806 Cover Clip	4.07	1.32



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0520 EA #2810B Blank End.....	5.83	2.20
26 05 33 23-0521 EA #2811 Flat 90 Degree Elbow	7.66	3.09
26 05 33 23-0522 EA #2811FO Radiused Flat 90 Degree Elbow	8.17	3.09
26 05 33 23-0523 EA #2815 Tee.....	11.19	4.85
26 05 33 23-0524 EA #2817 Internal Elbow	8.52	3.53
26 05 33 23-0525 EA #2818 External Elbow.....	8.55	3.53
26 05 33 23-0526 EA #2815FO Radiused Tee	11.88	4.85
26 05 33 23-0527 EA #2817FO Radiused Internal Elbow	9.15	3.53
26 05 33 23-0528 EA #2818FO Radiused External Elbow.....	9.06	3.53
26 05 33 23-0529 EA #2886 Drop Ceiling Connector.....	9.62	3.97
26 05 33 23-0530 EA #2889 2800-2700 Reducer.....	8.67	3.53
26 05 33 23-0531 #2900, 1-1/2" x 3/4" <small>(26 05 33 23-0452)</small>		
26 05 33 23-0532 LF #2900, 1-1/2" x 3/4" One Piece Surface Non-Metallic Raceway Base And Cover.....	7.50	2.65
<i>For Concrete Or Masonry Surface, Add</i>	<i>0.26</i>	
26 05 33 23-0533 EA #2900WC 1-1/2" Wire Clip.....	4.00	1.76
26 05 33 23-0534 EA #2906 Cover Clip.....	5.06	1.76
26 05 33 23-0535 EA #2910B Blank End.....	6.82	2.65
26 05 33 23-0536 EA #2911 Flat 90 Degree Elbow	8.60	3.53
26 05 33 23-0537 EA #2911FO Radiused Flat 90 Degree Elbow	9.41	3.53
26 05 33 23-0538 EA #2915 Tee.....	12.12	5.29
26 05 33 23-0539 EA #2915FO Radiused Tee	12.95	5.29
26 05 33 23-0540 EA #2917 Internal Elbow	9.48	3.97
26 05 33 23-0541 EA #2917FO Radiused Internal Elbow.....	10.32	3.97
26 05 33 23-0542 EA #2918 External Elbow.....	9.47	3.97
26 05 33 23-0543 EA #2918FO Radiused External Elbow.....	10.56	3.97
26 05 33 23-0544 EA #2986 Drop Ceiling Connector.....	9.61	3.97
26 05 33 23-0545 EA #2989 2900-2800 Reducer.....	10.68	4.41
26 05 33 23-0546 EA #2989A 2900-2700 Reducer.....	10.40	4.41
26 05 33 23-0547 Two Piece Surface Non-Metallic Raceways <small>(26 05 33 23-0451)</small>		
Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation. (Wiremold or approved equal).		
26 05 33 23-0548 #5000, 5" x 1" <small>(26 05 33 23-0547)</small>		
26 05 33 23-0549 LF #5000B, 5" x 1" Two Piece Surface Non-Metallic Raceway Base	11.52	3.97
<i>For Concrete Or Masonry Surface, Add</i>	<i>0.40</i>	
26 05 33 23-0550 LF #5000C Cover, Black, Gray Or White	10.97	3.97
26 05 33 23-0551 LF #5000COA Cover, Oak Veneer	20.26	3.97
26 05 33 23-0552 LF #5000CW Cover, Maple Wood Veneer.....	16.59	3.97
26 05 33 23-0553 LF #5000T Quarter Round Trim, Black, Gray Or White	1.54	0.44
26 05 33 23-0554 LF #5000TOA Quarter Round Trim, Oak Veneer.....	6.20	0.44
26 05 33 23-0555 LF #5000TW Quarter Round Trim, Maple Wood Veneer.....	3.86	0.44
26 05 33 23-0556 EA #5001 Base Coupling	10.71	4.41
26 05 33 23-0557 EA #5004 Blank/Coax Adapter.....	5.98	2.20
26 05 33 23-0558 EA #5005 Low Voltage Blank Plate.....	7.94	2.65
26 05 33 23-0559 EA #5006 Cover Clip.....	11.48	4.41
26 05 33 23-0560 EA #5006A Internal Wire Guard.....	10.77	4.41
26 05 33 23-0561 EA #5007C Device Bracket.....	12.23	4.41
26 05 33 23-0562 EA #5007C-1 Device Plate.....	22.26	8.82
26 05 33 23-0563 EA #5007C-2 Deep Device Plate.....	23.01	8.82
26 05 33 23-0564 EA #5010 End Cap, Right Or Left.....	19.48	8.38
26 05 33 23-0565 EA #5010A Entrance End Feed.....	37.45	13.67
26 05 33 23-0566 EA #5017B Internal Base Elbow.....	26.19	11.02
26 05 33 23-0567 EA #5017C Internal Cover Elbow.....	23.49	8.82
26 05 33 23-0568 EA #5017WG Internal Elbow Wire Guard.....	16.16	6.61
26 05 33 23-0569 EA #5018B External Base Elbow	26.14	11.02
26 05 33 23-0570 EA #5018C External Cover Elbow.....	23.69	8.82
26 05 33 23-0571 EA #5018WG External Elbow Wire Guard.....	10.58	4.41
26 05 33 23-0572 #5400, 5-1/4" x 1-11/16" <small>(26 05 33 23-0547)</small>		
26 05 33 23-0573 LF #5400TB Two Compartment, 5-1/4" x 1-11/16" Two Piece Surface Non-Metallic Raceway Base.....	12.59	3.97
<i>For Concrete Or Masonry Surface, Add</i>	<i>0.40</i>	
26 05 33 23-0574 LF #5400C Full Width Cover.....	4.29	0.44
26 05 33 23-0575 LF #5400TC Twin Snap Cover.....	2.77	0.44
26 05 33 23-0576 EA #5400TWC Twin Snap Cover Wire Clips.....	4.91	2.20
26 05 33 23-0577 EA #5406A Cover Clip.....	8.18	2.65
26 05 33 23-0578 EA #5406T Twin Cover Clip.....	6.93	2.65
26 05 33 23-0579 EA #5406TB Base Seam Clip.....	6.22	2.65
26 05 33 23-0580 EA #5408 L Or R (Left Or Right) Transition Fitting	46.53	13.67
26 05 33 23-0581 EA #5410 End Cap.....	22.93	8.38
26 05 33 23-0582 EA #5410DFO Radiused Divided Entrance Cap Fitting.....	44.70	13.67
26 05 33 23-0583 EA #5411FO Radiused Flat 90 Degree Elbow	40.67	11.02
26 05 33 23-0584 EA #5415 Tee Fitting.....	46.97	13.67
26 05 33 23-0585 EA #5415FO Radiused Tee Fitting.....	49.13	13.67
26 05 33 23-0586 EA #5417FO Radiused Internal Elbow	39.06	13.67
26 05 33 23-0587 EA #5418 External Elbow.....	39.60	13.67
26 05 33 23-0588 EA #5418FO Radiused External Elbow.....	40.10	13.67

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0589	EA		#5450 5-5/32" x 6" Device Bracket	18.72	4.41
26 05 33 23-0590	EA		#5450A3 7-19/32" x 7-1/2" Device Bracket.....	24.61	4.41
26 05 33 23-0591	EA		#5450T 2-1/2" x 4-7/8" Twin Snap Device Bracket	14.37	4.41
26 05 33 23-0592	EA		#5474 Transition Fitting	41.11	13.67
26 05 33 23-0593			#5500, 6-11/16" x 1-11/16" <small>(26 05 33 23-0547)</small>		
26 05 33 23-0594	LF		#5500BD3 Three Compartment Divided, 6-11/16" x 1-11/16" Two Piece Surface Non-Metallic Raceway Base	15.68	3.97
			<i>For Concrete Or Masonry Surface, Add</i>	0.40	
26 05 33 23-0595	LF		#5500C Cover.....	5.63	0.44
26 05 33 23-0596	EA		#5500WC Wire Clips.....	5.69	2.20
26 05 33 23-0597	EA		#5506 Cover Clip	9.18	2.65
26 05 33 23-0598	EA		#5506B Base Seam Clip Fitting	6.55	2.65
26 05 33 23-0599	EA		#5507AD Modular Furniture Adapter	8.57	2.65
26 05 33 23-0600	EA		#5507B Blank Faceplate.....	8.60	2.65
26 05 33 23-0601	EA		#5507D Duplex Receptacle Faceplate.....	8.64	2.65
26 05 33 23-0602	EA		#5507FRJ Dual RJ Connector Faceplate	8.64	2.65
26 05 33 23-0603	EA		#5507R Rectangular Receptacle Faceplate	8.56	2.65
26 05 33 23-0604	EA		#5507RJ Dual RJ Connector Faceplate.....	8.58	2.65
26 05 33 23-0605	EA		#5507S Rectangular Spacer Fitting	8.51	2.65
26 05 33 23-0606	EA		#5507SW Switch Faceplate.....	8.53	2.65
26 05 33 23-0607	EA		#5507T1 Twistlock Faceplate	8.60	2.65
26 05 33 23-0608	EA		#5507T2 Single Receptacle Faceplate	8.42	2.65
26 05 33 23-0609	EA		#5550 6-5/8" x 6" Device Bracket	22.34	4.41
26 05 33 23-0610	EA		#5550A4 9-5/8" x 7-1/2" Device Bracket.....	29.94	4.41
26 05 33 23-0611	EA		#5510 End Cap.....	24.84	8.38
26 05 33 23-0612	EA		#5510D Entrance End Fitting.....	50.81	13.67
26 05 33 23-0613	EA		#5511FO Radiused Flat 90 Degree Elbow	46.29	11.02
26 05 33 23-0614	EA		#5514A Backfeed Connector	37.32	11.02
26 05 33 23-0615	EA		#5515 Tee Fitting.....	53.36	13.67
26 05 33 23-0616	EA		#5517FO Radiused Internal Elbow	42.96	13.67
26 05 33 23-0617	EA		#5518 External Elbow.....	44.00	13.67
26 05 33 23-0618	EA		#5518FO Radiused External Elbow.....	46.19	13.67
26 05 33 23-0619	EA		#5574 Transition Fitting	41.91	13.67
26 05 33 23-0620	EA		#5574A Transition Fitting.....	56.12	13.67
26 05 36			Cable Trays For Electrical Systems <small>(26 05)</small>		
26 05 36 00-0001			Cable Trays <small>(26 05 36)</small> Note: Excludes supporting hangers.		
26 05 36 00-0002			Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0001)</small>		
26 05 36 00-0003			4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0002)</small>		
26 05 36 00-0004			4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0003)</small>		
26 05 36 00-0005	LF		6" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	30.87	9.27
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.31	
26 05 36 00-0006	LF		9" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	33.33	9.94
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.51	
26 05 36 00-0007	LF		12" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	36.42	10.71
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.75	
26 05 36 00-0008	LF		18" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	40.45	11.39
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.10	
26 05 36 00-0009	LF		24" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	44.29	11.77
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.45	
26 05 36 00-0010	LF		30" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	53.85	13.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-4.26	
26 05 36 00-0011	LF		36" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	60.48	15.54
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-4.76	
26 05 36 00-0012			6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0003)</small>		
26 05 36 00-0013	LF		6" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	29.17	9.07
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.16	
26 05 36 00-0014	LF		9" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	31.53	9.65
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.35	
26 05 36 00-0015	LF		12" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	33.67	10.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.49	
26 05 36 00-0016	LF		18" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	36.86	11.10
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.76	
26 05 36 00-0017	LF		24" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	39.66	11.48
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.01	
26 05 36 00-0018	LF		30" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	46.58	13.23
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.56	
26 05 36 00-0019	LF		36" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	50.91	14.48
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0020 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0003)</small>		
26 05 36 00-0021 LF 6" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray 28.13	28.13	8.98
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.07	
26 05 36 00-0022 LF 9" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray 28.99	28.99	9.27
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.13	
26 05 36 00-0023 LF 12" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray 31.86	31.86	9.84
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.37	
26 05 36 00-0024 LF 18" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray 34.84	34.84	10.33
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.62	
26 05 36 00-0025 LF 24" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray 37.66	37.66	10.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.88	
26 05 36 00-0026 LF 30" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray 41.06	41.06	11.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.14	
26 05 36 00-0027 LF 36" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray 44.12	44.12	12.54
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.37	
26 05 36 00-0028 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0003)</small>		
26 05 36 00-0029 LF 6" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray 27.28	27.28	8.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.01	
26 05 36 00-0030 LF 9" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray 27.84	27.84	8.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.05	
26 05 36 00-0031 LF 12" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray 29.48	29.48	9.27
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.18	
26 05 36 00-0032 LF 18" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray 31.22	31.22	9.75
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.31	
26 05 36 00-0033 LF 24" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray 32.45	32.45	9.75
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.43	
26 05 36 00-0034 LF 30" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray 35.82	35.82	10.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.71	
26 05 36 00-0035 LF 36" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray 37.74	37.74	11.00
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.86	
26 05 36 00-0036 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0003)</small>		
26 05 36 00-0037 LF 6" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray 26.89	26.89	8.40
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.99	
26 05 36 00-0038 LF 9" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray 27.37	27.37	8.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.02	
26 05 36 00-0039 LF 12" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray 29.00	29.00	9.07
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.14	
26 05 36 00-0040 LF 18" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray 30.45	30.45	9.46
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.25	
26 05 36 00-0041 LF 24" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray 30.94	30.94	9.56
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.30	
26 05 36 00-0042 LF 30" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray 32.88	32.88	10.23
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.43	
26 05 36 00-0043 LF 36" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray 34.32	34.32	10.81
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.53	
26 05 36 00-0044 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-0002)</small>		
26 05 36 00-0045 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0046 EA 6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 244.57	244.57	96.80
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.39	
26 05 36 00-0047 EA 9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 273.65	273.65	110.20
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.18	
26 05 36 00-0048 EA 12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 300.92	300.92	121.88
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.94	
26 05 36 00-0049 EA 18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 375.90	375.90	149.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.14	
26 05 36 00-0050 EA 24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 428.65	428.65	171.48
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.57	
26 05 36 00-0051 EA 30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 509.42	509.42	193.00
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.86	
26 05 36 00-0052 EA 36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 587.15	587.15	220.60
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.33	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0053			24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0054	EA		6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	339.66	100.65
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.58	
26 05 36 00-0055	EA		9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	370.03	115.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.36	
26 05 36 00-0056	EA		12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	398.24	128.64
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.10	
26 05 36 00-0057	EA		18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	464.61	159.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.15	
26 05 36 00-0058	EA		24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	521.78	185.38
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.73	
26 05 36 00-0059	EA		30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	582.05	210.37
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.67	
26 05 36 00-0060	EA		36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	681.17	243.67
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.81	
26 05 36 00-0061			36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0062	EA		6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	365.73	105.18
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.81	
26 05 36 00-0063	EA		9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	403.89	121.78
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.24	
26 05 36 00-0064	EA		12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	437.40	136.26
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.38	
26 05 36 00-0065	EA		18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	526.49	171.48
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.36	
26 05 36 00-0066	EA		24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	599.98	201.31
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.22	
26 05 36 00-0067	EA		30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	703.33	231.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.03	
26 05 36 00-0068	EA		36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	799.90	272.13
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.32	
26 05 36 00-0069			12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0070	EA		6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	181.67	70.15
			<i>For 60 Degree Bend, Deduct</i>	-33.07	
			<i>For 30 Degree Bend, Deduct</i>	-59.01	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.32	
26 05 36 00-0071	EA		9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	207.61	84.15
			<i>For 60 Degree Bend, Deduct</i>	-36.27	
			<i>For 30 Degree Bend, Deduct</i>	-65.12	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.75	
26 05 36 00-0072	EA		12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	230.92	96.51
			<i>For 60 Degree Bend, Deduct</i>	-39.21	
			<i>For 30 Degree Bend, Deduct</i>	-70.71	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.05	
26 05 36 00-0073	EA		18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	277.29	121.97
			<i>For 60 Degree Bend, Deduct</i>	-44.76	
			<i>For 30 Degree Bend, Deduct</i>	-81.37	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.57	
26 05 36 00-0074	EA		24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	344.17	149.39
			<i>For 60 Degree Bend, Deduct</i>	-56.31	
			<i>For 30 Degree Bend, Deduct</i>	-102.15	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.97	
26 05 36 00-0075	EA		30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	407.49	171.48
			<i>For 60 Degree Bend, Deduct</i>	-68.73	
			<i>For 30 Degree Bend, Deduct</i>	-124.07	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0076 EA 36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	462.47	201.31
<i>For 60 Degree Bend, Deduct</i>	-75.44	
<i>For 30 Degree Bend, Deduct</i>	-136.92	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.47	
26 05 36 00-0077 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0078 EA 6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	202.55	72.38
<i>For 60 Degree Bend, Deduct</i>	-39.11	
<i>For 30 Degree Bend, Deduct</i>	-69.20	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.23	
26 05 36 00-0079 EA 9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	232.69	87.24
<i>For 60 Degree Bend, Deduct</i>	-43.34	
<i>For 30 Degree Bend, Deduct</i>	-77.08	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.00	
26 05 36 00-0080 EA 12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	265.72	100.74
<i>For 60 Degree Bend, Deduct</i>	-49.08	
<i>For 30 Degree Bend, Deduct</i>	-87.39	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.18	
26 05 36 00-0081 EA 18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	314.94	128.64
<i>For 60 Degree Bend, Deduct</i>	-54.61	
<i>For 30 Degree Bend, Deduct</i>	-98.16	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.77	
26 05 36 00-0082 EA 24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	387.92	159.81
<i>For 60 Degree Bend, Deduct</i>	-66.77	
<i>For 30 Degree Bend, Deduct</i>	-120.16	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.48	
26 05 36 00-0083 EA 30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	454.34	185.38
<i>For 60 Degree Bend, Deduct</i>	-78.89	
<i>For 30 Degree Bend, Deduct</i>	-141.77	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.99	
26 05 36 00-0084 EA 36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	534.37	220.70
<i>For 60 Degree Bend, Deduct</i>	-91.76	
<i>For 30 Degree Bend, Deduct</i>	-165.18	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.05	
26 05 36 00-0085 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0086 EA 6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	242.10	74.69
<i>For 60 Degree Bend, Deduct</i>	-51.28	
<i>For 30 Degree Bend, Deduct</i>	-89.61	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.99	
26 05 36 00-0087 EA 9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	275.45	90.71
<i>For 60 Degree Bend, Deduct</i>	-56.13	
<i>For 30 Degree Bend, Deduct</i>	-98.59	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.99	
26 05 36 00-0088 EA 12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	302.39	105.28
<i>For 60 Degree Bend, Deduct</i>	-59.43	
<i>For 30 Degree Bend, Deduct</i>	-104.90	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.47	
26 05 36 00-0089 EA 18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	364.68	136.26
<i>For 60 Degree Bend, Deduct</i>	-68.10	
<i>For 30 Degree Bend, Deduct</i>	-121.06	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.11	
26 05 36 00-0090 EA 24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	431.29	171.48
<i>For 60 Degree Bend, Deduct</i>	-76.58	
<i>For 30 Degree Bend, Deduct</i>	-137.16	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.84	
26 05 36 00-0091 EA 30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	523.29	201.31
<i>For 60 Degree Bend, Deduct</i>	-95.51	
<i>For 30 Degree Bend, Deduct</i>	-170.37	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.55	
26 05 36 00-0092 EA 36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	615.06	243.67
<i>For 60 Degree Bend, Deduct</i>	-109.56	
<i>For 30 Degree Bend, Deduct</i>	-196.13	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.20	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0093			12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0094	EA		6" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	263.55	96.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.31	
26 05 36 00-0095	EA		9" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	288.81	110.20
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.69	
26 05 36 00-0096	EA		12" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	311.69	121.88
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.02	
26 05 36 00-0097	EA		18" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	362.30	149.39
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.78	
26 05 36 00-0098	EA		24" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	403.90	171.48
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.10	
26 05 36 00-0099	EA		30" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	449.17	193.00
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.83	
26 05 36 00-0100	EA		36" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	499.43	220.31
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.58	
26 05 36 00-0101			24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0102	EA		6" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	312.98	100.65
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.91	
26 05 36 00-0103	EA		9" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	341.75	115.80
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.53	
26 05 36 00-0104	EA		12" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	369.10	128.64
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.19	
26 05 36 00-0105	EA		18" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	429.20	159.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.61	
26 05 36 00-0106	EA		24" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	480.08	185.38
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.56	
26 05 36 00-0107	EA		30" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	531.28	210.37
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.60	
26 05 36 00-0108	EA		36" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	609.20	243.67
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.61	
26 05 36 00-0109			36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0110	EA		6" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	371.30	105.18
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.36	
26 05 36 00-0111	EA		9" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	406.13	121.88
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.46	
26 05 36 00-0112	EA		12" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	432.58	136.26
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.90	
26 05 36 00-0113	EA		18" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	507.79	171.48
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.49	
26 05 36 00-0114	EA		24" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	559.84	201.31
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.21	
26 05 36 00-0115	EA		30" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	641.00	231.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.80	
26 05 36 00-0116	EA		36" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	725.01	272.13
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.83	
26 05 36 00-0117			12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0118	EA		6" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	473.42	185.38
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0119 EA 9" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	512.34	201.31
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.46	
26 05 36 00-0120 EA 12" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	537.28	210.37
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.20	
26 05 36 00-0121 EA 18" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	599.63	231.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.66	
26 05 36 00-0122 EA 24" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	678.97	257.08
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.47	
26 05 36 00-0123 EA 30" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	753.91	272.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.67	
26 05 36 00-0124 EA 36" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	853.26	308.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.61	
26 05 36 00-0125 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0126 EA 6" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	593.37	201.31
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.56	
26 05 36 00-0127 EA 9" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	637.88	220.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.40	
26 05 36 00-0128 EA 12" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	665.93	231.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.29	
26 05 36 00-0129 EA 18" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	730.54	257.08
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.63	
26 05 36 00-0130 EA 24" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	811.55	289.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.03	
26 05 36 00-0131 EA 30" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	872.91	308.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.57	
26 05 36 00-0132 EA 36" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,053.40	356.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.63	
26 05 36 00-0133 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0134 EA 6" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	753.29	220.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.94	
26 05 36 00-0135 EA 9" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	806.40	243.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.33	
26 05 36 00-0136 EA 12" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	855.77	257.08
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.15	
26 05 36 00-0137 EA 18" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	941.69	289.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.04	
26 05 36 00-0138 EA 24" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,068.93	330.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.35	
26 05 36 00-0139 EA 30" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,158.99	356.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-86.19	
26 05 36 00-0140 EA 36" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,307.84	420.75
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-95.72	
26 05 36 00-0141 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0142 EA 6" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	565.78	171.48
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.29	
26 05 36 00-0143 EA 9" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	579.50	178.24
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.09	
26 05 36 00-0144 EA 12" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	593.74	185.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.93	
26 05 36 00-0145 EA 18" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	625.29	201.31
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.75	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0146	EA		24" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	645.32	210.37
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.00	
26 05 36 00-0147	EA		30" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	700.31	231.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.73	
26 05 36 00-0148	EA		36" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	755.10	257.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.08	
26 05 36 00-0149			24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0150	EA		6" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	814.74	185.38
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.03	
26 05 36 00-0151	EA		9" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	834.88	193.00
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.40	
26 05 36 00-0152	EA		12" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	856.11	201.31
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.83	
26 05 36 00-0153	EA		18" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	903.08	220.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.92	
26 05 36 00-0154	EA		24" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	936.04	231.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.30	
26 05 36 00-0155	EA		30" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	993.28	257.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.90	
26 05 36 00-0156	EA		36" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,071.84	289.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.06	
26 05 36 00-0157			36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0158	EA		6" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,280.92	201.31
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-111.32	
26 05 36 00-0159	EA		9" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,308.32	210.37
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-113.30	
26 05 36 00-0160	EA		12" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,337.70	220.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-115.38	
26 05 36 00-0161	EA		18" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,388.36	243.67
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-118.53	
26 05 36 00-0162	EA		24" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,423.00	257.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-120.87	
26 05 36 00-0163	EA		30" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,513.83	289.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-127.26	
26 05 36 00-0164	EA		36" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,594.41	330.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-131.90	
26 05 36 00-0165			12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0166	EA		6" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	589.81	231.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.68	
26 05 36 00-0167	EA		9" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	619.78	243.67
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.67	
26 05 36 00-0168	EA		12" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	661.79	257.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.75	
26 05 36 00-0169	EA		18" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	709.72	272.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.26	
26 05 36 00-0170	EA		24" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	799.24	308.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.20	
26 05 36 00-0171	EA		30" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	892.13	330.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.67	
26 05 36 00-0172	EA		36" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	974.83	356.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.77	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0173				24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0174	EA			6" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	823.85	257.08
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.96	
26 05 36 00-0175	EA			9" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	861.96	272.61
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.48	
26 05 36 00-0176	EA			12" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	902.41	289.51
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.12	
26 05 36 00-0177	EA			18" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	961.31	308.61
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.41	
26 05 36 00-0178	EA			24" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,070.59	356.58
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.35	
26 05 36 00-0179	EA			30" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,151.64	386.00
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.00	
26 05 36 00-0180	EA			36" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,290.65	420.75
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-94.00	
26 05 36 00-0181				36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0182	EA			6" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,035.00	289.51
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.37	
26 05 36 00-0183	EA			9" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,091.45	308.61
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.43	
26 05 36 00-0184	EA			12" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,152.42	330.52
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-87.70	
26 05 36 00-0185	EA			18" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,257.21	356.58
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-96.01	
26 05 36 00-0186	EA			24" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,437.98	420.75
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-108.73	
26 05 36 00-0187	EA			30" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,568.83	462.44
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-118.34	
26 05 36 00-0188	EA			36" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,718.00	515.13
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-128.87	
26 05 36 00-0189				12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0190	EA			6" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	681.52	231.61
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.85	
26 05 36 00-0191	EA			9" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	716.06	243.76
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.29	
26 05 36 00-0192	EA			12" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	766.69	257.08
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.25	
26 05 36 00-0193	EA			18" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	824.80	272.71
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.75	
26 05 36 00-0194	EA			24" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	927.42	308.61
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.02	
26 05 36 00-0195	EA			30" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,045.97	330.62
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.04	
26 05 36 00-0196	EA			36" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,145.37	356.09
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.86	
26 05 36 00-0197				24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0198	EA			6" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,001.75	257.08
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.75	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0199	EA		9" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,045.39	272.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.82	
26 05 36 00-0200	EA		12" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,091.36	289.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.01	
26 05 36 00-0201	EA		18" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,162.41	308.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-90.52	
26 05 36 00-0202	EA		24" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,284.96	356.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-98.79	
26 05 36 00-0203	EA		30" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,380.38	386.00
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-105.87	
26 05 36 00-0204	EA		36" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,555.84	420.75
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-120.52	
26 05 36 00-0205			36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0206	EA		6" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,283.63	289.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-104.24	
26 05 36 00-0207	EA		9" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,351.12	308.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-109.39	
26 05 36 00-0208	EA		12" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,423.14	330.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-114.77	
26 05 36 00-0209	EA		18" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,555.56	356.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-125.85	
26 05 36 00-0210	EA		24" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,769.48	420.75
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-141.88	
26 05 36 00-0211	EA		30" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,927.95	462.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-154.26	
26 05 36 00-0212	EA		36" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,104.74	515.13
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-167.55	
26 05 36 00-0213			6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-0002)</small>		
26 05 36 00-0214			12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0215	EA		6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	232.67	96.80
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.20	
26 05 36 00-0216	EA		9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	260.81	110.20
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.89	
26 05 36 00-0217	EA		12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	286.95	121.88
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.54	
26 05 36 00-0218	EA		18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	357.77	149.39
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.33	
26 05 36 00-0219	EA		24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	408.25	171.48
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.53	
26 05 36 00-0220	EA		30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	482.60	193.00
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.18	
26 05 36 00-0221	EA		36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	555.79	220.60
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.20	
26 05 36 00-0222			24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0223	EA		6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	315.10	100.65
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.12	
26 05 36 00-0224	EA		9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	344.72	115.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0225 EA 12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	371.98	128.64
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.48	
26 05 36 00-0226 EA 18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	436.28	159.81
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.31	
26 05 36 00-0227 EA 24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	491.36	185.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.69	
26 05 36 00-0228 EA 30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	548.99	210.37
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.37	
26 05 36 00-0229 EA 36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	641.88	243.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.88	
26 05 36 00-0230 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0231 EA 6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	338.53	105.18
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.09	
26 05 36 00-0232 EA 9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	375.17	121.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.37	
26 05 36 00-0233 EA 12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	407.37	136.26
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.38	
26 05 36 00-0234 EA 18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	492.11	171.48
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.92	
26 05 36 00-0235 EA 24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	562.20	201.31
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.44	
26 05 36 00-0236 EA 30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	658.00	231.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.50	
26 05 36 00-0237 EA 36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	750.41	272.13
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.37	
26 05 36 00-0238 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0239 EA 6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	172.41	70.15
<i>For 60 Degree Bend, Deduct</i>	-30.01	
<i>For 30 Degree Bend, Deduct</i>	-53.92	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.40	
26 05 36 00-0240 EA 9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	197.98	84.15
<i>For 60 Degree Bend, Deduct</i>	-33.09	
<i>For 30 Degree Bend, Deduct</i>	-59.83	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.79	
26 05 36 00-0241 EA 12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	220.91	96.51
<i>For 60 Degree Bend, Deduct</i>	-35.91	
<i>For 30 Degree Bend, Deduct</i>	-65.21	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.05	
26 05 36 00-0242 EA 18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	266.72	121.97
<i>For 60 Degree Bend, Deduct</i>	-41.27	
<i>For 30 Degree Bend, Deduct</i>	-75.56	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.51	
26 05 36 00-0243 EA 24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	330.57	149.39
<i>For 60 Degree Bend, Deduct</i>	-51.83	
<i>For 30 Degree Bend, Deduct</i>	-94.67	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.61	
26 05 36 00-0244 EA 30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	390.12	171.48
<i>For 60 Degree Bend, Deduct</i>	-62.99	
<i>For 30 Degree Bend, Deduct</i>	-114.52	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.72	
26 05 36 00-0245 EA 36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	444.34	201.31
<i>For 60 Degree Bend, Deduct</i>	-69.46	
<i>For 30 Degree Bend, Deduct</i>	-126.95	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.66	
26 05 36 00-0246 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0247	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	190.84	72.38
		<i>For 60 Degree Bend, Deduct</i>	-35.25	
		<i>For 30 Degree Bend, Deduct</i>	-62.76	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.06	
26 05 36 00-0248	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	220.22	87.24
		<i>For 60 Degree Bend, Deduct</i>	-39.23	
		<i>For 30 Degree Bend, Deduct</i>	-70.22	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.75	
26 05 36 00-0249	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	251.75	100.74
		<i>For 60 Degree Bend, Deduct</i>	-44.47	
		<i>For 30 Degree Bend, Deduct</i>	-79.70	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.78	
26 05 36 00-0250	EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	300.58	128.64
		<i>For 60 Degree Bend, Deduct</i>	-49.87	
		<i>For 30 Degree Bend, Deduct</i>	-90.26	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.34	
26 05 36 00-0251	EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	370.55	159.81
		<i>For 60 Degree Bend, Deduct</i>	-61.04	
		<i>For 30 Degree Bend, Deduct</i>	-110.60	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.74	
26 05 36 00-0252	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	433.57	185.38
		<i>For 60 Degree Bend, Deduct</i>	-72.03	
		<i>For 30 Degree Bend, Deduct</i>	-130.35	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.91	
26 05 36 00-0253	EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	510.57	220.70
		<i>For 60 Degree Bend, Deduct</i>	-83.90	
		<i>For 30 Degree Bend, Deduct</i>	-152.09	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.67	
26 05 36 00-0254		36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0255	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	225.29	74.69
		<i>For 60 Degree Bend, Deduct</i>	-45.73	
		<i>For 30 Degree Bend, Deduct</i>	-80.36	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.31	
26 05 36 00-0256	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	257.69	90.71
		<i>For 60 Degree Bend, Deduct</i>	-50.27	
		<i>For 30 Degree Bend, Deduct</i>	-88.82	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.21	
26 05 36 00-0257	EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	284.26	105.28
		<i>For 60 Degree Bend, Deduct</i>	-53.45	
		<i>For 30 Degree Bend, Deduct</i>	-94.93	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.65	
26 05 36 00-0258	EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	345.04	136.26
		<i>For 60 Degree Bend, Deduct</i>	-61.61	
		<i>For 30 Degree Bend, Deduct</i>	-110.26	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.15	
26 05 36 00-0259	EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	410.52	171.48
		<i>For 60 Degree Bend, Deduct</i>	-69.73	
		<i>For 30 Degree Bend, Deduct</i>	-125.74	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.76	
26 05 36 00-0260	EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	496.47	201.31
		<i>For 60 Degree Bend, Deduct</i>	-86.66	
		<i>For 30 Degree Bend, Deduct</i>	-155.62	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.87	
26 05 36 00-0261	EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	585.21	243.67
		<i>For 60 Degree Bend, Deduct</i>	-99.70	
		<i>For 30 Degree Bend, Deduct</i>	-179.71	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.21	
26 05 36 00-0262		12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0263	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	255.33	96.51
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.49	
26 05 36 00-0264	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	280.40	110.20
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0265 EA 12" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	303.00	121.88
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.15	
26 05 36 00-0266 EA 18" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	353.24	149.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.88	
26 05 36 00-0267 EA 24" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	394.46	171.48
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.15	
26 05 36 00-0268 EA 30" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	438.97	193.00
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.81	
26 05 36 00-0269 EA 36" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	488.85	220.31
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.52	
26 05 36 00-0270 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0271 EA 6" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	301.36	100.65
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.75	
26 05 36 00-0272 EA 9" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	329.85	115.80
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.34	
26 05 36 00-0273 EA 12" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	356.73	128.64
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.95	
26 05 36 00-0274 EA 18" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	416.16	159.81
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.30	
26 05 36 00-0275 EA 24" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	466.38	185.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.19	
26 05 36 00-0276 EA 30" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	516.83	210.37
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.15	
26 05 36 00-0277 EA 36" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	592.96	243.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.99	
26 05 36 00-0278 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0279 EA 6" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	355.62	105.18
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.80	
26 05 36 00-0280 EA 9" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	389.89	121.88
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.84	
26 05 36 00-0281 EA 12" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	416.15	136.26
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.26	
26 05 36 00-0282 EA 18" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	490.04	171.48
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.71	
26 05 36 00-0283 EA 24" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	541.90	201.31
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.41	
26 05 36 00-0284 EA 30" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	620.60	231.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.76	
26 05 36 00-0285 EA 36" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	703.28	272.13
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.65	
26 05 36 00-0286 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0287 EA 6" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	460.77	185.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.63	
26 05 36 00-0288 EA 9" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	498.74	201.31
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.10	
26 05 36 00-0289 EA 12" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	522.92	210.37
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.76	
26 05 36 00-0290 EA 18" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	583.20	231.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.02	
26 05 36 00-0291 EA 24" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	659.71	257.08
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.55	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0292	EA		30" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	730.87	272.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.37	
26 05 36 00-0293	EA		36" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	827.20	308.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.00	
26 05 36 00-0294			24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0295	EA		6" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	573.54	201.31
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.58	
26 05 36 00-0296	EA		9" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	617.10	220.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.32	
26 05 36 00-0297	EA		12" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	644.40	231.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.14	
26 05 36 00-0298	EA		18" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	707.31	257.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.31	
26 05 36 00-0299	EA		24" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	786.24	289.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.50	
26 05 36 00-0300	EA		30" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	845.33	308.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.81	
26 05 36 00-0301	EA		36" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,018.08	356.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.10	
26 05 36 00-0302			36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0303	EA		6" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	723.63	220.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.97	
26 05 36 00-0304	EA		9" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	775.61	243.67
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.25	
26 05 36 00-0305	EA		12" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	822.91	257.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.87	
26 05 36 00-0306	EA		18" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	906.37	289.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.51	
26 05 36 00-0307	EA		24" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,029.07	330.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.37	
26 05 36 00-0308	EA		30" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,115.55	356.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.84	
26 05 36 00-0309	EA		36" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,261.18	420.75
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-91.05	
26 05 36 00-0310			12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0311	EA		6" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	544.25	171.48
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.13	
26 05 36 00-0312	EA		9" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	557.77	178.24
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.92	
26 05 36 00-0313	EA		12" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	571.83	185.38
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.74	
26 05 36 00-0314	EA		18" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	603.00	201.31
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.52	
26 05 36 00-0315	EA		24" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	622.66	210.37
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.73	
26 05 36 00-0316	EA		30" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	676.13	231.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.31	
26 05 36 00-0317	EA		36" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	729.97	257.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.57	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
			26 05 36 00-0318 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0319	EA		6" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	775.83	185.38
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.14	
26 05 36 00-0320	EA		9" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	795.40	193.00
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.46	
26 05 36 00-0321	EA		12" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	816.07	201.31
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.83	
26 05 36 00-0322	EA		18" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	861.90	220.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.80	
26 05 36 00-0323	EA		24" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	893.73	231.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.07	
26 05 36 00-0324	EA		30" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	949.84	257.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.56	
26 05 36 00-0325	EA		36" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,026.50	289.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.52	
			26 05 36 00-0326 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0327	EA		6" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,208.20	201.31
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-104.04	
26 05 36 00-0328	EA		9" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,234.65	210.37
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-105.93	
26 05 36 00-0329	EA		12" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,263.09	220.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-107.92	
26 05 36 00-0330	EA		18" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,312.81	243.67
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-110.97	
26 05 36 00-0331	EA		24" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,346.50	257.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-113.22	
26 05 36 00-0332	EA		30" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,434.50	289.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-119.32	
26 05 36 00-0333	EA		36" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,514.13	330.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-123.87	
			26 05 36 00-0334 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0335	EA		6" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	574.13	231.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.11	
26 05 36 00-0336	EA		9" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	603.35	243.67
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.03	
26 05 36 00-0337	EA		12" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	643.84	257.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.96	
26 05 36 00-0338	EA		18" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	690.07	272.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.29	
26 05 36 00-0339	EA		24" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	777.33	308.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.01	
26 05 36 00-0340	EA		30" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	865.87	330.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.05	
26 05 36 00-0341	EA		36" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	945.55	356.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.84	
			26 05 36 00-0342 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0343	EA		6" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	793.44	257.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.92	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0344	EA		9" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	830.60	272.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.34	
26 05 36 00-0345	EA		12" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	870.11	289.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.89	
26 05 36 00-0346	EA		18" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	926.93	308.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.97	
26 05 36 00-0347	EA		24" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,033.95	356.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.68	
26 05 36 00-0348	EA		30" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,112.55	386.00
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.09	
26 05 36 00-0349	EA		36" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,245.31	420.75
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-89.47	
26 05 36 00-0350			36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0351	EA		6" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	992.50	289.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.12	
26 05 36 00-0352	EA		9" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,047.06	308.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.99	
26 05 36 00-0353	EA		12" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,106.14	330.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.07	
26 05 36 00-0354	EA		18" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,206.21	356.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-90.91	
26 05 36 00-0355	EA		24" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,381.31	420.75
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-103.07	
26 05 36 00-0356	EA		30" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,507.44	462.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-112.21	
26 05 36 00-0357	EA		36" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,651.89	515.13
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-122.26	
26 05 36 00-0358			12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0359	EA		6" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	658.79	231.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.58	
26 05 36 00-0360	EA		9" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	692.23	243.76
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.91	
26 05 36 00-0361	EA		12" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	740.67	257.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.65	
26 05 36 00-0362	EA		18" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	796.32	272.71
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.91	
26 05 36 00-0363	EA		24" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	895.65	308.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.85	
26 05 36 00-0364	EA		30" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,007.90	330.62
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.24	
26 05 36 00-0365	EA		36" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,102.92	356.09
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.62	
26 05 36 00-0366			24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0367	EA		6" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	957.66	257.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.34	
26 05 36 00-0368	EA		9" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	999.92	272.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.28	
26 05 36 00-0369	EA		12" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,044.52	289.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.33	
26 05 36 00-0370	EA		18" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,112.57	308.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0371 EA 24" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,231.83	356.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-93.47	
26 05 36 00-0372 EA 30" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,323.68	386.00
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-100.20	
26 05 36 00-0373 EA 36" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,490.11	420.75
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-113.95	
26 05 36 00-0374 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)		
26 05 36 00-0375 EA 6" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,222.00	289.51
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-98.07	
26 05 36 00-0376 EA 9" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,286.76	308.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-102.96	
26 05 36 00-0377 EA 12" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,356.04	330.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-108.06	
26 05 36 00-0378 EA 18" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,481.61	356.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-118.45	
26 05 36 00-0379 EA 24" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,687.31	420.75
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-133.67	
26 05 36 00-0380 EA 30" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,838.94	462.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-145.36	
26 05 36 00-0381 EA 36" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,008.88	515.13
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-157.96	
26 05 36 00-0382 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings (26 05 36 00-0002)		
26 05 36 00-0383 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)		
26 05 36 00-0384 EA 6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	220.77	96.80
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.01	
26 05 36 00-0385 EA 9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	247.96	110.20
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.61	
26 05 36 00-0386 EA 12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	272.97	121.88
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.14	
26 05 36 00-0387 EA 18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	339.64	149.39
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.52	
26 05 36 00-0388 EA 24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	387.85	171.48
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.49	
26 05 36 00-0389 EA 30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	455.78	193.00
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.49	
26 05 36 00-0390 EA 36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	524.44	220.60
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.06	
26 05 36 00-0391 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)		
26 05 36 00-0392 EA 6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	290.55	100.65
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.67	
26 05 36 00-0393 EA 9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	319.40	115.70
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.30	
26 05 36 00-0394 EA 12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	345.73	128.64
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.85	
26 05 36 00-0395 EA 18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	407.95	159.81
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.48	
26 05 36 00-0396 EA 24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	460.95	185.38
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.65	

26 Electrical
26 05 Common Work Results For Electrical
26 05 36 Cable Trays For Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0397	EA		30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	515.94	210.37
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.06	
26 05 36 00-0398	EA		36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	602.59	243.67
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.95	
26 05 36 00-0399			36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0392)</small>		
26 05 36 00-0400	EA		6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	311.33	105.18
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.37	
26 05 36 00-0401	EA		9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	346.46	121.78
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.50	
26 05 36 00-0402	EA		12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	377.34	136.26
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.38	
26 05 36 00-0403	EA		18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	457.74	171.48
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.48	
26 05 36 00-0404	EA		24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	524.43	201.31
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.67	
26 05 36 00-0405	EA		30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	612.66	231.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.97	
26 05 36 00-0406	EA		36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	700.92	272.13
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.42	
26 05 36 00-0407			12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0392)</small>		
26 05 36 00-0408	EA		6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	163.16	70.15
			<i>For 60 Degree Bend, Deduct</i>	-26.96	
			<i>For 30 Degree Bend, Deduct</i>	-48.83	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.47	
26 05 36 00-0409	EA		9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	188.35	84.15
			<i>For 60 Degree Bend, Deduct</i>	-29.91	
			<i>For 30 Degree Bend, Deduct</i>	-54.53	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.83	
26 05 36 00-0410	EA		12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	210.90	96.51
			<i>For 60 Degree Bend, Deduct</i>	-32.60	
			<i>For 30 Degree Bend, Deduct</i>	-59.70	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.05	
26 05 36 00-0411	EA		18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	256.14	121.97
			<i>For 60 Degree Bend, Deduct</i>	-37.78	
			<i>For 30 Degree Bend, Deduct</i>	-69.74	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.45	
26 05 36 00-0412	EA		24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	316.97	149.39
			<i>For 60 Degree Bend, Deduct</i>	-47.34	
			<i>For 30 Degree Bend, Deduct</i>	-87.19	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.25	
26 05 36 00-0413	EA		30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	372.74	171.48
			<i>For 60 Degree Bend, Deduct</i>	-57.26	
			<i>For 30 Degree Bend, Deduct</i>	-104.96	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.98	
26 05 36 00-0414	EA		36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	426.21	201.31
			<i>For 60 Degree Bend, Deduct</i>	-63.48	
			<i>For 30 Degree Bend, Deduct</i>	-116.98	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.84	
26 05 36 00-0415			24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0392)</small>		
26 05 36 00-0416	EA		6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	179.13	72.38
			<i>For 60 Degree Bend, Deduct</i>	-31.38	
			<i>For 30 Degree Bend, Deduct</i>	-56.32	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.88	
26 05 36 00-0417	EA		9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	207.75	87.24
			<i>For 60 Degree Bend, Deduct</i>	-35.11	
			<i>For 30 Degree Bend, Deduct</i>	-63.37	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0418 EA 12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	237.77	100.74
<i>For 60 Degree Bend, Deduct</i>	-39.85	
<i>For 30 Degree Bend, Deduct</i>	-72.02	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.38	
26 05 36 00-0419 EA 18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	286.23	128.64
<i>For 60 Degree Bend, Deduct</i>	-45.13	
<i>For 30 Degree Bend, Deduct</i>	-82.37	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.90	
26 05 36 00-0420 EA 24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	353.17	159.81
<i>For 60 Degree Bend, Deduct</i>	-55.30	
<i>For 30 Degree Bend, Deduct</i>	-101.05	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.00	
26 05 36 00-0421 EA 30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	412.79	185.38
<i>For 60 Degree Bend, Deduct</i>	-65.17	
<i>For 30 Degree Bend, Deduct</i>	-118.92	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.83	
26 05 36 00-0422 EA 36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	486.77	220.70
<i>For 60 Degree Bend, Deduct</i>	-76.05	
<i>For 30 Degree Bend, Deduct</i>	-139.00	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.29	
26 05 36 00-0423 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0424 EA 6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	208.47	74.69
<i>For 60 Degree Bend, Deduct</i>	-40.18	
<i>For 30 Degree Bend, Deduct</i>	-71.11	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.63	
26 05 36 00-0425 EA 9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	239.94	90.71
<i>For 60 Degree Bend, Deduct</i>	-44.41	
<i>For 30 Degree Bend, Deduct</i>	-79.06	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.44	
26 05 36 00-0426 EA 12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	266.13	105.28
<i>For 60 Degree Bend, Deduct</i>	-47.47	
<i>For 30 Degree Bend, Deduct</i>	-84.96	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.84	
26 05 36 00-0427 EA 18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	325.39	136.26
<i>For 60 Degree Bend, Deduct</i>	-55.13	
<i>For 30 Degree Bend, Deduct</i>	-99.46	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.18	
26 05 36 00-0428 EA 24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	389.74	171.48
<i>For 60 Degree Bend, Deduct</i>	-62.87	
<i>For 30 Degree Bend, Deduct</i>	-114.31	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.68	
26 05 36 00-0429 EA 30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	469.65	201.31
<i>For 60 Degree Bend, Deduct</i>	-77.81	
<i>For 30 Degree Bend, Deduct</i>	-140.87	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.19	
26 05 36 00-0430 EA 36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	555.37	243.67
<i>For 60 Degree Bend, Deduct</i>	-89.86	
<i>For 30 Degree Bend, Deduct</i>	-163.30	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.23	
26 05 36 00-0431 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0432 EA 6" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	243.01	96.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.26	
26 05 36 00-0433 EA 9" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	267.79	110.20
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.59	
26 05 36 00-0434 EA 12" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	289.97	121.88
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.84	
26 05 36 00-0435 EA 18" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	339.64	149.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.52	
26 05 36 00-0436 EA 24" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	380.29	171.48
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.74	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0437	EA		30" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	423.67	193.00
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.28	
26 05 36 00-0438	EA		36" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	472.99	220.31
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.94	
26 05 36 00-0439			24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0440	EA		6" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	283.94	100.65
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.01	
26 05 36 00-0441	EA		9" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	312.00	115.80
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.55	
26 05 36 00-0442	EA		12" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	338.17	128.64
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.09	
26 05 36 00-0443	EA		18" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	396.61	159.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.35	
26 05 36 00-0444	EA		24" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	445.84	185.38
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.14	
26 05 36 00-0445	EA		30" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	495.16	210.37
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.98	
26 05 36 00-0446	EA		36" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	568.59	243.67
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.55	
26 05 36 00-0447			36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0448	EA		6" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	332.11	105.18
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.44	
26 05 36 00-0449	EA		9" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	365.52	121.88
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.40	
26 05 36 00-0450	EA		12" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	391.50	136.26
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.79	
26 05 36 00-0451	EA		18" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	463.40	171.48
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.05	
26 05 36 00-0452	EA		24" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	514.98	201.31
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.72	
26 05 36 00-0453	EA		30" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	590.00	231.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.70	
26 05 36 00-0454	EA		36" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	670.70	272.13
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.40	
26 05 36 00-0455			12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0456	EA		6" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	435.45	185.38
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.10	
26 05 36 00-0457	EA		9" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	471.54	201.31
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.38	
26 05 36 00-0458	EA		12" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	494.21	210.37
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.89	
26 05 36 00-0459	EA		18" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	550.33	231.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.73	
26 05 36 00-0460	EA		24" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	621.17	257.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.69	
26 05 36 00-0461	EA		30" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	684.78	272.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.76	
26 05 36 00-0462	EA		36" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	775.06	308.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.79	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0463				24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0464	EA			6" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	533.87	201.31
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.61	
26 05 36 00-0465	EA			9" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	575.55	220.70
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.17	
26 05 36 00-0466	EA			12" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	601.33	231.61
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.83	
26 05 36 00-0467	EA			18" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	660.84	257.08
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.66	
26 05 36 00-0468	EA			24" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	735.62	289.51
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.44	
26 05 36 00-0469	EA			30" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	790.18	308.61
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.30	
26 05 36 00-0470	EA			36" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	947.44	356.58
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.03	
26 05 36 00-0471				36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0472	EA			6" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	664.32	220.70
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.04	
26 05 36 00-0473	EA			9" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	714.04	243.67
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.10	
26 05 36 00-0474	EA			12" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	757.17	257.08
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.29	
26 05 36 00-0475	EA			18" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	835.73	289.51
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.45	
26 05 36 00-0476	EA			24" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	949.36	330.52
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.40	
26 05 36 00-0477	EA			30" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,028.66	356.58
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.16	
26 05 36 00-0478	EA			36" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,167.87	420.75
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.72	
26 05 36 00-0479				12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0480	EA			6" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	501.18	171.48
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.83	
26 05 36 00-0481	EA			9" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	514.33	178.24
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.58	
26 05 36 00-0482	EA			12" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	528.01	185.38
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.36	
26 05 36 00-0483	EA			18" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	558.43	201.31
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.07	
26 05 36 00-0484	EA			24" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	577.32	210.37
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.20	
26 05 36 00-0485	EA			30" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	627.78	231.61
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.48	
26 05 36 00-0486	EA			36" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	679.73	257.08
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.55	
26 05 36 00-0487				24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0488	EA			6" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	698.01	185.38
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.36	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0489	EA		9" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	716.44	193.00
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.56	
26 05 36 00-0490	EA		12" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	735.98	201.31
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.82	
26 05 36 00-0491	EA		18" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	779.54	220.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.57	
26 05 36 00-0492	EA		24" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	809.11	231.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.61	
26 05 36 00-0493	EA		30" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	862.95	257.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.87	
26 05 36 00-0494	EA		36" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	935.84	289.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.46	
26 05 36 00-0495			36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0496	EA		6" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,062.75	201.31
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-89.50	
26 05 36 00-0497	EA		9" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,087.32	210.37
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-91.20	
26 05 36 00-0498	EA		12" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,113.87	220.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-93.00	
26 05 36 00-0499	EA		18" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,161.70	243.67
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-95.86	
26 05 36 00-0500	EA		24" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,193.50	257.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-97.92	
26 05 36 00-0501	EA		30" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,275.84	289.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-103.46	
26 05 36 00-0502	EA		36" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,353.58	330.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-107.82	
26 05 36 00-0503			12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0504	EA		6" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	542.78	231.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.98	
26 05 36 00-0505	EA		9" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	570.48	243.67
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.74	
26 05 36 00-0506	EA		12" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	607.95	257.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.37	
26 05 36 00-0507	EA		18" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	650.78	272.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.36	
26 05 36 00-0508	EA		24" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	733.51	308.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.63	
26 05 36 00-0509	EA		30" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	813.36	330.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.80	
26 05 36 00-0510	EA		36" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	886.99	356.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.99	
26 05 36 00-0511			24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0512	EA		6" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	732.62	257.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.84	
26 05 36 00-0513	EA		9" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	767.89	272.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.07	
26 05 36 00-0514	EA		12" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	805.51	289.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.43	
26 05 36 00-0515	EA		18" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	858.17	308.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0516 EA 24" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	960.66	356.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.36	
26 05 36 00-0517 EA 30" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,034.35	386.00
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.27	
26 05 36 00-0518 EA 36" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,154.65	420.75
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.40	
26 05 36 00-0519 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0520 EA 6" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	907.51	289.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.63	
26 05 36 00-0521 EA 9" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	958.28	308.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.11	
26 05 36 00-0522 EA 12" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,013.58	330.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.82	
26 05 36 00-0523 EA 18" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,104.21	356.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.71	
26 05 36 00-0524 EA 24" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,267.98	420.75
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-91.73	
26 05 36 00-0525 EA 30" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,384.66	462.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-99.93	
26 05 36 00-0526 EA 36" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,519.66	515.13
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-109.04	
26 05 36 00-0527 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0528 EA 6" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	613.33	231.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.03	
26 05 36 00-0529 EA 9" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	644.57	243.76
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.14	
26 05 36 00-0530 EA 12" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	688.63	257.08
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.44	
26 05 36 00-0531 EA 18" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	739.35	272.71
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.21	
26 05 36 00-0532 EA 24" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	832.11	308.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.49	
26 05 36 00-0533 EA 30" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	931.76	330.62
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.62	
26 05 36 00-0534 EA 36" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,018.01	356.09
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.13	
26 05 36 00-0535 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0536 EA 6" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	869.47	257.08
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.52	
26 05 36 00-0537 EA 9" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	908.99	272.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.18	
26 05 36 00-0538 EA 12" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	950.86	289.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.96	
26 05 36 00-0539 EA 18" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,012.87	308.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.57	
26 05 36 00-0540 EA 24" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,125.56	356.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-82.85	
26 05 36 00-0541 EA 30" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,210.29	386.00
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-88.86	
26 05 36 00-0542 EA 36" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,358.65	420.75
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-100.80	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 36 00-0543		36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0544	EA	6" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,098.75	289.51
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.75	
26 05 36 00-0545	EA	9" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,158.03	308.61
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-90.08	
26 05 36 00-0546	EA	12" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,221.83	330.52
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-94.64	
26 05 36 00-0547	EA	18" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,333.71	356.58
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-103.66	
26 05 36 00-0548	EA	24" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,522.98	420.75
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-117.23	
26 05 36 00-0549	EA	30" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,660.91	462.44
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-127.55	
26 05 36 00-0550	EA	36" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,817.16	515.13
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-138.79	
26 05 36 00-0551		12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-0002)</small>		
26 05 36 00-0552		12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0553	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	216.60	96.80
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.60	
26 05 36 00-0554	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	243.47	110.20
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.16	
26 05 36 00-0555	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	268.08	121.88
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.65	
26 05 36 00-0556	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	333.29	149.39
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.88	
26 05 36 00-0557	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	380.71	171.48
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.78	
26 05 36 00-0558	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	446.39	193.00
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.56	
26 05 36 00-0559	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	513.46	220.60
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.96	
26 05 36 00-0560		24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0561	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	281.95	100.65
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.81	
26 05 36 00-0562	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	310.55	115.70
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.41	
26 05 36 00-0563	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	336.54	128.64
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.93	
26 05 36 00-0564	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	398.03	159.81
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.49	
26 05 36 00-0565	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	450.31	185.38
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.59	
26 05 36 00-0566	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	504.37	210.37
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.90	
26 05 36 00-0567	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	588.84	243.67
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.58	
26 05 36 00-0568		36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0569 EA 6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	301.81	105.18
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.41	
26 05 36 00-0570 EA 9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	336.42	121.78
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.50	
26 05 36 00-0571 EA 12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	366.82	136.26
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.32	
26 05 36 00-0572 EA 18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	445.71	171.48
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.28	
26 05 36 00-0573 EA 24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	511.20	201.31
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.34	
26 05 36 00-0574 EA 30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	596.80	231.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.38	
26 05 36 00-0575 EA 36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	683.60	272.13
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.69	
26 05 36 00-0576 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0577 EA 6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	159.92	70.15
For 60 Degree Bend, Deduct	-25.89	
For 30 Degree Bend, Deduct	-47.05	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-10.15	
26 05 36 00-0578 EA 9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	184.97	84.15
For 60 Degree Bend, Deduct	-28.80	
For 30 Degree Bend, Deduct	-52.67	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-11.49	
26 05 36 00-0579 EA 12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	207.39	96.51
For 60 Degree Bend, Deduct	-31.45	
For 30 Degree Bend, Deduct	-57.77	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-12.70	
26 05 36 00-0580 EA 18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	252.44	121.97
For 60 Degree Bend, Deduct	-36.56	
For 30 Degree Bend, Deduct	-67.70	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.08	
26 05 36 00-0581 EA 24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	312.21	149.39
For 60 Degree Bend, Deduct	-45.77	
For 30 Degree Bend, Deduct	-84.58	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.77	
26 05 36 00-0582 EA 30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	366.66	171.48
For 60 Degree Bend, Deduct	-55.25	
For 30 Degree Bend, Deduct	-101.62	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.37	
26 05 36 00-0583 EA 36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	419.86	201.31
For 60 Degree Bend, Deduct	-61.38	
For 30 Degree Bend, Deduct	-113.48	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.21	
26 05 36 00-0584 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0585 EA 6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	175.03	72.38
For 60 Degree Bend, Deduct	-30.03	
For 30 Degree Bend, Deduct	-54.07	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-11.47	
26 05 36 00-0586 EA 9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	203.39	87.24
For 60 Degree Bend, Deduct	-33.67	
For 30 Degree Bend, Deduct	-60.97	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.07	
26 05 36 00-0587 EA 12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	232.88	100.74
For 60 Degree Bend, Deduct	-38.24	
For 30 Degree Bend, Deduct	-69.33	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.89	
26 05 36 00-0588 EA 18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	281.20	128.64
For 60 Degree Bend, Deduct	-43.47	
For 30 Degree Bend, Deduct	-79.60	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.40	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0589	EA		24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	347.09	159.81
			<i>For 60 Degree Bend, Deduct</i>	-53.30	
			<i>For 30 Degree Bend, Deduct</i>	-97.70	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.40	
26 05 36 00-0590	EA		30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	405.52	185.38
			<i>For 60 Degree Bend, Deduct</i>	-62.77	
			<i>For 30 Degree Bend, Deduct</i>	-114.92	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.11	
26 05 36 00-0591	EA		36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	478.44	220.70
			<i>For 60 Degree Bend, Deduct</i>	-73.30	
			<i>For 30 Degree Bend, Deduct</i>	-134.42	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.46	
26 05 36 00-0592			36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0593	EA		6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	202.59	74.69
			<i>For 60 Degree Bend, Deduct</i>	-38.24	
			<i>For 30 Degree Bend, Deduct</i>	-67.88	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.04	
26 05 36 00-0594	EA		9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	233.72	90.71
			<i>For 60 Degree Bend, Deduct</i>	-42.36	
			<i>For 30 Degree Bend, Deduct</i>	-75.64	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.81	
26 05 36 00-0595	EA		12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	259.78	105.28
			<i>For 60 Degree Bend, Deduct</i>	-45.37	
			<i>For 30 Degree Bend, Deduct</i>	-81.47	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.21	
26 05 36 00-0596	EA		18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	318.52	136.26
			<i>For 60 Degree Bend, Deduct</i>	-52.86	
			<i>For 30 Degree Bend, Deduct</i>	-95.68	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.49	
26 05 36 00-0597	EA		24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	382.47	171.48
			<i>For 60 Degree Bend, Deduct</i>	-60.47	
			<i>For 30 Degree Bend, Deduct</i>	-110.31	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.95	
26 05 36 00-0598	EA		30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	460.26	201.31
			<i>For 60 Degree Bend, Deduct</i>	-74.71	
			<i>For 30 Degree Bend, Deduct</i>	-135.70	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.25	
26 05 36 00-0599	EA		36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	544.93	243.67
			<i>For 60 Degree Bend, Deduct</i>	-86.41	
			<i>For 30 Degree Bend, Deduct</i>	-157.56	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.19	
26 05 36 00-0600			12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0601	EA		6" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	237.25	96.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.68	
26 05 36 00-0602	EA		9" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	261.91	110.20
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.00	
26 05 36 00-0603	EA		12" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	283.89	121.88
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.24	
26 05 36 00-0604	EA		18" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	333.29	149.39
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.88	
26 05 36 00-0605	EA		24" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	373.68	171.48
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.08	
26 05 36 00-0606	EA		30" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	416.53	193.00
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.57	
26 05 36 00-0607	EA		36" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	465.58	220.31
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.20	
26 05 36 00-0608			24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0609 EA 6" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	275.80	100.65
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.19	
26 05 36 00-0610 EA 9" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	303.67	115.80
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.72	
26 05 36 00-0611 EA 12" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	329.51	128.64
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.23	
26 05 36 00-0612 EA 18" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	387.49	159.81
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.44	
26 05 36 00-0613 EA 24" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	436.26	185.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.18	
26 05 36 00-0614 EA 30" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	485.04	210.37
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.97	
26 05 36 00-0615 EA 36" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	557.22	243.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.41	
26 05 36 00-0616 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0617 EA 6" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	321.13	105.18
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.35	
26 05 36 00-0618 EA 9" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	354.15	121.88
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.26	
26 05 36 00-0619 EA 12" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	380.00	136.26
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.64	
26 05 36 00-0620 EA 18" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	450.97	171.48
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.80	
26 05 36 00-0621 EA 24" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	502.42	201.31
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.47	
26 05 36 00-0622 EA 30" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	575.72	231.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.27	
26 05 36 00-0623 EA 36" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	655.49	272.13
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.88	
26 05 36 00-0624 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0625 EA 6" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	422.80	185.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.84	
26 05 36 00-0626 EA 9" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	457.94	201.31
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.02	
26 05 36 00-0627 EA 12" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	479.86	210.37
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.45	
26 05 36 00-0628 EA 18" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	533.90	231.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.09	
26 05 36 00-0629 EA 24" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	601.91	257.08
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.77	
26 05 36 00-0630 EA 30" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	661.74	272.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.46	
26 05 36 00-0631 EA 36" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	749.00	308.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.18	
26 05 36 00-0632 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0633 EA 6" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	514.04	201.31
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.63	
26 05 36 00-0634 EA 9" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	554.77	220.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.09	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0635 EA 12" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	579.80	231.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.68	
26 05 36 00-0636 EA 18" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	637.61	257.08
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.34	
26 05 36 00-0637 EA 24" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	710.31	289.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.91	
26 05 36 00-0638 EA 30" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	762.60	308.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.54	
26 05 36 00-0639 EA 36" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	912.12	356.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.50	
26 05 36 00-0640 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0641 EA 6" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	634.67	220.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.08	
26 05 36 00-0642 EA 9" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	683.25	243.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.02	
26 05 36 00-0643 EA 12" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	724.31	257.08
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.01	
26 05 36 00-0644 EA 18" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	800.41	289.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.92	
26 05 36 00-0645 EA 24" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	909.51	330.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.41	
26 05 36 00-0646 EA 30" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	985.22	356.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.81	
26 05 36 00-0647 EA 36" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,121.22	420.75
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.06	
26 05 36 00-0648 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0649 EA 6" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	479.65	171.48
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.67	
26 05 36 00-0650 EA 9" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	492.61	178.24
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.41	
26 05 36 00-0651 EA 12" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	506.10	185.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.17	
26 05 36 00-0652 EA 18" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	536.14	201.31
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.84	
26 05 36 00-0653 EA 24" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	554.66	210.37
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.93	
26 05 36 00-0654 EA 30" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	603.60	231.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.06	
26 05 36 00-0655 EA 36" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	654.61	257.08
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.04	
26 05 36 00-0656 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0657 EA 6" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	659.10	185.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.47	
26 05 36 00-0658 EA 9" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	676.97	193.00
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.61	
26 05 36 00-0659 EA 12" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	695.94	201.31
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.82	
26 05 36 00-0660 EA 18" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	738.37	220.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.45	
26 05 36 00-0661 EA 24" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	766.80	231.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0662 EA 30" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	819.51	257.08
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.53	
26 05 36 00-0663 EA 36" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	890.51	289.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.93	
26 05 36 00-0664 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0665 EA 6" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	990.03	201.31
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-82.23	
26 05 36 00-0666 EA 9" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,013.65	210.37
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.83	
26 05 36 00-0667 EA 12" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,039.26	220.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.54	
26 05 36 00-0668 EA 18" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,086.14	243.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-88.31	
26 05 36 00-0669 EA 24" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,117.00	257.08
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-90.27	
26 05 36 00-0670 EA 30" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,196.50	289.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-95.52	
26 05 36 00-0671 EA 36" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,273.30	330.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-99.79	
26 05 36 00-0672 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0673 EA 6" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	527.10	231.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.41	
26 05 36 00-0674 EA 9" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	554.05	243.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.10	
26 05 36 00-0675 EA 12" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	590.01	257.08
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.58	
26 05 36 00-0676 EA 18" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	631.14	272.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.40	
26 05 36 00-0677 EA 24" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	711.60	308.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.44	
26 05 36 00-0678 EA 30" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	787.11	330.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.17	
26 05 36 00-0679 EA 36" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	857.72	356.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.06	
26 05 36 00-0680 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0681 EA 6" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	702.21	257.08
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.80	
26 05 36 00-0682 EA 9" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	736.54	272.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.94	
26 05 36 00-0683 EA 12" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	773.21	289.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.20	
26 05 36 00-0684 EA 18" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	823.80	308.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.66	
26 05 36 00-0685 EA 24" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	924.02	356.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.69	
26 05 36 00-0686 EA 30" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	995.25	386.00
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.36	
26 05 36 00-0687 EA 36" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,109.32	420.75
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.87	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0688			36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0689	EA		6" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	865.01	289.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.38	
26 05 36 00-0690	EA		9" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	913.90	308.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.67	
26 05 36 00-0691	EA		12" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	967.31	330.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.19	
26 05 36 00-0692	EA		18" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,053.22	356.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.61	
26 05 36 00-0693	EA		24" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,211.31	420.75
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-86.07	
26 05 36 00-0694	EA		30" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,323.27	462.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-93.79	
26 05 36 00-0695	EA		36" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,453.55	515.13
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-102.43	
26 05 36 00-0696			12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0697	EA		6" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	590.59	231.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.76	
26 05 36 00-0698	EA		9" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	620.74	243.76
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.76	
26 05 36 00-0699	EA		12" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	662.61	257.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.84	
26 05 36 00-0700	EA		18" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	710.87	272.71
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.36	
26 05 36 00-0701	EA		24" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	800.34	308.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.31	
26 05 36 00-0702	EA		30" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	893.69	330.62
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.82	
26 05 36 00-0703	EA		36" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	975.56	356.09
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.88	
26 05 36 00-0704			24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0705	EA		6" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	825.37	257.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.11	
26 05 36 00-0706	EA		9" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	863.53	272.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.64	
26 05 36 00-0707	EA		12" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	904.02	289.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.28	
26 05 36 00-0708	EA		18" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	963.03	308.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.58	
26 05 36 00-0709	EA		24" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,072.43	356.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.53	
26 05 36 00-0710	EA		30" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,153.60	386.00
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.19	
26 05 36 00-0711	EA		36" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,292.91	420.75
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-94.23	
26 05 36 00-0712			36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0713	EA		6" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,037.13	289.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.59	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0714 EA 9" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,093.67	308.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.65	
26 05 36 00-0715 EA 12" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,154.73	330.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-87.93	
26 05 36 00-0716 EA 18" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,259.76	356.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-96.27	
26 05 36 00-0717 EA 24" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,440.81	420.75
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-109.02	
26 05 36 00-0718 EA 30" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,571.90	462.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-118.65	
26 05 36 00-0719 EA 36" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,721.30	515.13
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-129.20	
26 05 36 00-0720 Dropout Or End Plates And Reducers <small>(26 05 36 00-0002)</small>		
26 05 36 00-0721 Straight Reducers <small>(26 05 36 00-0720)</small>		
26 05 36 00-0722 EA 9"-6" Reducer, Steel Cable Tray.....	205.62	71.22
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.63	
26 05 36 00-0723 EA 12"-9" Reducer, Steel Cable Tray.....	217.31	77.11
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.30	
26 05 36 00-0724 EA 18"-12" Reducer, Steel Cable Tray.....	237.16	88.97
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.30	
26 05 36 00-0725 EA 24"-18" Reducer, Steel Cable Tray.....	262.26	102.97
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.65	
26 05 36 00-0726 EA 30"-24" Reducer, Steel Cable Tray.....	285.55	115.80
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.91	
26 05 36 00-0727 EA 36"-30" Reducer, Steel Cable Tray.....	324.41	132.30
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.42	
26 05 36 00-0728 Reducers <small>(26 05 36 00-0720)</small>		
26 05 36 00-0729 EA 18"-6" Reducer, Steel Cable Tray.....	241.02	89.07
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.68	
26 05 36 00-0730 EA 24"-12" Reducer, Steel Cable Tray.....	266.27	103.07
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.04	
26 05 36 00-0731 EA 30"-12" Reducer, Steel Cable Tray.....	292.96	115.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.65	
26 05 36 00-0732 EA 30"-18" Reducer, Steel Cable Tray.....	296.58	115.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.02	
26 05 36 00-0733 EA 36"-12" Reducer, Steel Cable Tray.....	326.30	132.30
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.60	
26 05 36 00-0734 EA 36"-18" Reducer, Steel Cable Tray.....	335.87	135.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.27	
26 05 36 00-0735 EA 36"-24" Reducer, Steel Cable Tray.....	346.88	140.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.01	
26 05 36 00-0736 Dropout Or End Plate <small>(26 05 36 00-0720)</small>		
26 05 36 00-0737 EA 6" Dropout Or End Plate, Steel Cable Tray.....	57.98	28.95
26 05 36 00-0738 EA 9" Dropout Or End Plate, Steel Cable Tray.....	66.54	33.10
26 05 36 00-0739 EA 12" Dropout Or End Plate, Steel Cable Tray.....	71.82	35.61
26 05 36 00-0740 EA 18" Dropout Or End Plate, Steel Cable Tray.....	84.79	42.07
26 05 36 00-0741 EA 24" Dropout Or End Plate, Steel Cable Tray.....	94.96	46.32
26 05 36 00-0742 EA 30" Dropout Or End Plate, Steel Cable Tray.....	105.25	51.44
26 05 36 00-0743 EA 36" Dropout Or End Plate, Steel Cable Tray.....	118.80	57.90
26 05 36 00-0744 Ladder Bottom Aluminum Cable Tray <small>(26 05 36 00-0001)</small>		
Note: 4-5/8" Height		
26 05 36 00-0745 Straight Tray Sections <small>(26 05 36 00-0744)</small>		
26 05 36 00-0746 4" Rung Spacing <small>(26 05 36 00-0745)</small>		
26 05 36 00-0747 LF 6" Aluminum Cable Tray, 4" Rung Spacing, Straight Section.....	39.20	6.75
<i>For Class 12C Instead Of Class 12B, Add</i>	4.75	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.36	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.96	
26 05 36 00-0748 LF 9" Aluminum Cable Tray, 4" Rung Spacing, Straight Section.....	41.39	7.14
<i>For Class 12C Instead Of Class 12B, Add</i>	5.02	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.55	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2.07	
26 05 36 00-0749 LF 12" Aluminum Cable Tray, 4" Rung Spacing, Straight Section.....	43.58	7.43
<i>For Class 12C Instead Of Class 12B, Add</i>	5.30	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.74	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2.18	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0750	LF		18" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	48.29	8.11
			<i>For Class 12C Instead Of Class 12B, Add</i>	5.88	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-4.15	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2.41	
26 05 36 00-0751	LF		24" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	54.95	8.69
			<i>For Class 12C Instead Of Class 12B, Add</i>	6.80	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-4.78	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2.75	
26 05 36 00-0752	LF		30" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	60.02	9.27
			<i>For Class 12C Instead Of Class 12B, Add</i>	7.46	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-5.23	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	3.00	
26 05 36 00-0753	LF		36" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	64.61	9.84
			<i>For Class 12C Instead Of Class 12B, Add</i>	8.05	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-5.64	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	3.23	
26 05 36 00-0754			6" Rung Spacing <small>(26 05 36 00-0745)</small>		
26 05 36 00-0755	LF		6" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	36.66	6.75
			<i>For Class 12C Instead Of Class 12B, Add</i>	4.37	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.10	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.83	
26 05 36 00-0756	LF		9" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	38.70	7.14
			<i>For Class 12C Instead Of Class 12B, Add</i>	4.62	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.28	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.94	
26 05 36 00-0757	LF		12" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	40.75	7.43
			<i>For Class 12C Instead Of Class 12B, Add</i>	4.87	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.45	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2.04	
26 05 36 00-0758	LF		18" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	45.13	8.11
			<i>For Class 12C Instead Of Class 12B, Add</i>	5.41	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.83	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2.26	
26 05 36 00-0759	LF		24" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	51.26	8.69
			<i>For Class 12C Instead Of Class 12B, Add</i>	6.25	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-4.41	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2.56	
26 05 36 00-0760	LF		30" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	55.97	9.27
			<i>For Class 12C Instead Of Class 12B, Add</i>	6.86	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-4.83	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2.80	
26 05 36 00-0761	LF		36" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	60.23	9.84
			<i>For Class 12C Instead Of Class 12B, Add</i>	7.39	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-5.20	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	3.01	
26 05 36 00-0762			9" Rung Spacing <small>(26 05 36 00-0745)</small>		
26 05 36 00-0763	LF		6" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	33.09	6.46
			<i>For Class 12C Instead Of Class 12B, Add</i>	3.88	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.77	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.65	
26 05 36 00-0764	LF		9" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	33.69	6.75
			<i>For Class 12C Instead Of Class 12B, Add</i>	3.92	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.80	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.68	
26 05 36 00-0765	LF		12" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	35.96	7.14
			<i>For Class 12C Instead Of Class 12B, Add</i>	4.21	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.00	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.80	
26 05 36 00-0766	LF		18" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	38.43	7.62
			<i>For Class 12C Instead Of Class 12B, Add</i>	4.49	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.21	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.92	
26 05 36 00-0767	LF		24" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	42.85	7.92
			<i>For Class 12C Instead Of Class 12B, Add</i>	5.11	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.63	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2.14	
26 05 36 00-0768	LF		30" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	47.27	8.50
			<i>For Class 12C Instead Of Class 12B, Add</i>	5.67	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-4.02	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2.36	
26 05 36 00-0769	LF		36" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	50.35	9.27
			<i>For Class 12C Instead Of Class 12B, Add</i>	6.01	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-4.26	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2.52	
26 05 36 00-0770			12" Rung Spacing <small>(26 05 36 00-0745)</small>		
26 05 36 00-0771	LF		6" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	32.34	6.27
			<i>For Class 12C Instead Of Class 12B, Add</i>	3.81	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.71	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0772 LF 9" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	32.84	6.46
<i>For Class 12C Instead Of Class 12B, Add</i>	3.84	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.74	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.64	
26 05 36 00-0773 LF 12" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	34.22	6.85
<i>For Class 12C Instead Of Class 12B, Add</i>	3.99	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.85	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.71	
26 05 36 00-0774 LF 18" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	36.24	7.23
<i>For Class 12C Instead Of Class 12B, Add</i>	4.22	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.02	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.81	
26 05 36 00-0775 LF 24" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	39.14	7.33
<i>For Class 12C Instead Of Class 12B, Add</i>	4.64	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.30	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.96	
26 05 36 00-0776 LF 30" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	42.17	8.11
<i>For Class 12C Instead Of Class 12B, Add</i>	4.98	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.54	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2.11	
26 05 36 00-0777 LF 36" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	44.78	8.78
<i>For Class 12C Instead Of Class 12B, Add</i>	5.26	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.75	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2.24	
26 05 36 00-0778 18" Rung Spacing <small>(26 05 36 00-0745)</small>		
26 05 36 00-0779 LF 6" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	31.93	6.08
<i>For Class 12C Instead Of Class 12B, Add</i>	3.77	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.69	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.60	
26 05 36 00-0780 LF 9" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	32.06	6.37
<i>For Class 12C Instead Of Class 12B, Add</i>	3.76	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.68	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.60	
26 05 36 00-0781 LF 12" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	33.74	6.56
<i>For Class 12C Instead Of Class 12B, Add</i>	3.96	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.83	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.69	
26 05 36 00-0782 LF 18" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	35.54	6.94
<i>For Class 12C Instead Of Class 12B, Add</i>	4.18	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.98	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.78	
26 05 36 00-0783 LF 24" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	37.58	7.04
<i>For Class 12C Instead Of Class 12B, Add</i>	4.46	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.17	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.88	
26 05 36 00-0784 LF 30" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	39.51	7.72
<i>For Class 12C Instead Of Class 12B, Add</i>	4.65	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.31	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.98	
26 05 36 00-0785 LF 36" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	41.98	8.40
<i>For Class 12C Instead Of Class 12B, Add</i>	4.90	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.50	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2.10	
26 05 36 00-0786 4" Rung Tray Fittings <small>(26 05 36 00-0744)</small>		
26 05 36 00-0787 90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>		
26 05 36 00-0788 EA 6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	277.57	96.80
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.69	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.88	
26 05 36 00-0789 EA 9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	302.98	110.20
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.11	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.15	
26 05 36 00-0790 EA 12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	344.40	121.88
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.29	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.22	
26 05 36 00-0791 EA 18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	407.96	149.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.35	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.40	
26 05 36 00-0792 EA 24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	483.11	171.48
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.02	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.16	
26 05 36 00-0793 EA 30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	530.71	193.00
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.99	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.54	
26 05 36 00-0794 EA 36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	620.86	220.60
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.70	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.04	
26 05 36 00-0795 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0796	EA	6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	373.86 -29.00 18.69	100.65
26 05 36 00-0797	EA	9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	407.78 -31.14 20.39	115.70
26 05 36 00-0798	EA	12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	439.68 -33.25 21.98	128.64
26 05 36 00-0799	EA	18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	510.65 -37.75 25.53	159.81
26 05 36 00-0800	EA	24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	576.82 -42.24 28.84	185.38
26 05 36 00-0801	EA	30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	643.61 -46.83 32.18	210.37
26 05 36 00-0802	EA	36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	735.90 -53.28 36.80	243.67
26 05 36 00-0803		90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-0796)</small>		
26 05 36 00-0804	EA	6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	402.03 -31.44 20.10	105.18
26 05 36 00-0805	EA	9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	435.50 -33.40 21.78	121.78
26 05 36 00-0806	EA	12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	486.26 -37.27 24.31	136.26
26 05 36 00-0807	EA	18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	577.32 -43.44 28.87	171.48
26 05 36 00-0808	EA	24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	665.29 -49.75 33.26	201.31
26 05 36 00-0809	EA	30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	748.13 -55.51 37.41	231.61
26 05 36 00-0810	EA	36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	868.61 -64.19 43.43	272.13
26 05 36 00-0811		45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-0796)</small>		
26 05 36 00-0812	EA	6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	193.43 -36.95 -65.48 -13.50 9.67	70.15
26 05 36 00-0813	EA	9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	219.67 -40.25 -71.76 -14.96 10.98	84.15
26 05 36 00-0814	EA	12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	243.28 -43.29 -77.51 -16.29 12.16	96.51
26 05 36 00-0815	EA	18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	300.41 -52.39 -94.09 -19.88 15.02	121.97
26 05 36 00-0816	EA	24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	369.68 -64.73 -116.18 -24.52 18.48	149.39
26 05 36 00-0817	EA	30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	424.23 -74.25 -133.28 -28.13 21.21	171.48
26 05 36 00-0818	EA	36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	479.80 -81.16 -146.45 -31.20 23.99	201.31



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0819 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>		
26 05 36 00-0820 EA 6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	223.62	72.38
<i>For 60 Degree Bend, Deduct</i>	-46.06	
<i>For 30 Degree Bend, Deduct</i>	-80.79	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.33	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.18	
26 05 36 00-0821 EA 9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	260.24	87.24
<i>For 60 Degree Bend, Deduct</i>	-52.43	
<i>For 30 Degree Bend, Deduct</i>	-92.24	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.75	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.01	
26 05 36 00-0822 EA 12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	285.65	100.74
<i>For 60 Degree Bend, Deduct</i>	-55.65	
<i>For 30 Degree Bend, Deduct</i>	-98.35	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.17	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.28	
26 05 36 00-0823 EA 18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	341.05	128.64
<i>For 60 Degree Bend, Deduct</i>	-63.22	
<i>For 30 Degree Bend, Deduct</i>	-112.52	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.38	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.05	
26 05 36 00-0824 EA 24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	413.49	159.81
<i>For 60 Degree Bend, Deduct</i>	-75.21	
<i>For 30 Degree Bend, Deduct</i>	-134.22	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.04	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.67	
26 05 36 00-0825 EA 30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	485.55	185.38
<i>For 60 Degree Bend, Deduct</i>	-89.18	
<i>For 30 Degree Bend, Deduct</i>	-158.94	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.11	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.28	
26 05 36 00-0826 EA 36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	553.25	220.70
<i>For 60 Degree Bend, Deduct</i>	-97.99	
<i>For 30 Degree Bend, Deduct</i>	-175.57	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.94	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.66	
26 05 36 00-0827 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>		
26 05 36 00-0828 EA 6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	262.80	74.69
<i>For 60 Degree Bend, Deduct</i>	-58.11	
<i>For 30 Degree Bend, Deduct</i>	-100.99	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.06	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.14	
26 05 36 00-0829 EA 9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	292.48	90.71
<i>For 60 Degree Bend, Deduct</i>	-61.75	
<i>For 30 Degree Bend, Deduct</i>	-107.96	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.69	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.62	
26 05 36 00-0830 EA 12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	319.72	105.28
<i>For 60 Degree Bend, Deduct</i>	-65.15	
<i>For 30 Degree Bend, Deduct</i>	-114.44	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.20	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.99	
26 05 36 00-0831 EA 18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	386.16	136.26
<i>For 60 Degree Bend, Deduct</i>	-75.18	
<i>For 30 Degree Bend, Deduct</i>	-132.88	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.26	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.31	
26 05 36 00-0832 EA 24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	480.17	171.48
<i>For 60 Degree Bend, Deduct</i>	-92.71	
<i>For 30 Degree Bend, Deduct</i>	-164.05	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.72	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.01	
26 05 36 00-0833 EA 30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	541.63	201.31
<i>For 60 Degree Bend, Deduct</i>	-101.56	
<i>For 30 Degree Bend, Deduct</i>	-180.46	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.39	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.08	
26 05 36 00-0834 EA 36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	632.85	243.67
<i>For 60 Degree Bend, Deduct</i>	-115.43	
<i>For 30 Degree Bend, Deduct</i>	-205.92	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.98	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.64	
26 05 36 00-0835 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-0786)</small>		
26 05 36 00-0836 EA 6" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	305.42	96.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.50	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.27	
26 05 36 00-0837 EA 9" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	336.21	110.20
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.43	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.81	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0838	EA		12" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	358.18 -25.66 17.91	121.88
26 05 36 00-0839	EA		18" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	409.32 -28.48 20.47	149.39
26 05 36 00-0840	EA		24" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	454.09 -31.12 22.70	171.48
26 05 36 00-0841	EA		30" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	497.79 -33.70 24.89	193.00
26 05 36 00-0842	EA		36" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	548.59 -36.50 27.43	220.31
26 05 36 00-0843			90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-0786)</small>		
26 05 36 00-0844	EA		6" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	324.18 -24.03 16.21	100.65
26 05 36 00-0845	EA		9" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	355.98 -25.95 17.80	115.80
26 05 36 00-0846	EA		12" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	381.37 -27.41 19.07	128.64
26 05 36 00-0847	EA		18" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	442.40 -30.93 22.12	159.81
26 05 36 00-0848	EA		24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	495.54 -34.11 24.78	185.38
26 05 36 00-0849	EA		30" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	547.81 -37.25 27.39	210.37
26 05 36 00-0850	EA		36" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	616.45 -41.34 30.82	243.67
26 05 36 00-0851			90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-0786)</small>		
26 05 36 00-0852	EA		6" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	417.17 -32.95 20.86	105.18
26 05 36 00-0853	EA		9" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	450.18 -34.86 22.51	121.88
26 05 36 00-0854	EA		12" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	490.04 -37.65 24.50	136.26
26 05 36 00-0855	EA		18" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	559.24 -41.63 27.96	171.48
26 05 36 00-0856	EA		24" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	619.44 -45.17 30.97	201.31
26 05 36 00-0857	EA		30" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	690.93 -49.79 34.55	231.61
26 05 36 00-0858	EA		36" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	771.56 -54.48 38.58	272.13
26 05 36 00-0859			12" Radius Horizontal Tees <small>(26 05 36 00-0786)</small>		
26 05 36 00-0860	EA		6" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	475.67 -32.12 23.78	185.38
26 05 36 00-0861	EA		9" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	513.24 -34.55 25.66	201.31
26 05 36 00-0862	EA		12" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	531.10 -35.58 26.56	210.37
26 05 36 00-0863	EA		18" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	601.98 -40.90 30.10	231.61
26 05 36 00-0864	EA		24" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	666.36 -45.21 33.32	257.08
26 05 36 00-0865	EA		30" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	730.46 -50.33 36.52	272.61



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0866 EA 36" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	845.20 -58.80 42.26	308.61
26 05 36 00-0867 24" Radius Horizontal Tees (26 05 36 00-0786)		
26 05 36 00-0868 EA 6" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	619.86 -45.21 30.99	201.31
26 05 36 00-0869 EA 9" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	668.50 -48.46 33.43	220.70
26 05 36 00-0870 EA 12" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	694.93 -50.19 34.75	231.61
26 05 36 00-0871 EA 18" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	764.78 -55.05 38.24	257.08
26 05 36 00-0872 EA 24" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	848.85 -60.76 42.44	289.51
26 05 36 00-0873 EA 30" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	916.28 -65.91 45.81	308.61
26 05 36 00-0874 EA 36" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,209.34 -91.22 60.47	356.58
26 05 36 00-0875 36" Radius Horizontal Tees (26 05 36 00-0786)		
26 05 36 00-0876 EA 6" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	769.65 -58.58 38.48	220.70
26 05 36 00-0877 EA 9" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	818.97 -61.59 40.95	243.67
26 05 36 00-0878 EA 12" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	879.60 -66.53 43.98	257.08
26 05 36 00-0879 EA 18" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	958.21 -71.70 47.91	289.51
26 05 36 00-0880 EA 24" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,075.72 -80.03 53.79	330.52
26 05 36 00-0881 EA 30" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,258.55 -96.14 62.93	356.58
26 05 36 00-0882 EA 36" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,439.47 -108.88 71.97	420.75
26 05 36 00-0883 12" Radius Vertical Tees (26 05 36 00-0786)		
26 05 36 00-0884 EA 6" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	660.39 -51.75 33.02	171.48
26 05 36 00-0885 EA 9" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	682.59 -53.40 34.13	178.24
26 05 36 00-0886 EA 12" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	697.11 -54.27 34.86	185.38
26 05 36 00-0887 EA 18" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	731.95 -56.42 36.60	201.31
26 05 36 00-0888 EA 24" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	779.88 -60.46 38.99	210.37
26 05 36 00-0889 EA 30" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	823.42 -63.04 41.17	231.61
26 05 36 00-0890 EA 36" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	879.60 -66.53 43.98	257.08
26 05 36 00-0891 24" Radius Vertical Tees (26 05 36 00-0786)		
26 05 36 00-0892 EA 6" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	943.16 -78.87 47.16	185.38
26 05 36 00-0893 EA 9" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	964.13 -80.33 48.21	193.00

26 Electrical
26 05 Common Work Results For Electrical
26 05 36 Cable Trays For Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0894	EA		12" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	986.20 -81.84 49.31	201.31
26 05 36 00-0895	EA		18" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,037.57 -85.37 51.88	220.70
26 05 36 00-0896	EA		24" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,072.20 -87.92 53.61	231.61
26 05 36 00-0897	EA		30" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,131.12 -91.69 56.56	257.08
26 05 36 00-0898	EA		36" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,248.00 -100.67 62.40	289.51
26 05 36 00-0899			36" Radius Vertical Tee <small>(26 05 36 00-0786)</small>		
26 05 36 00-0900	EA		6" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,542.14 -137.44 77.11	201.31
26 05 36 00-0901	EA		9" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,572.92 -139.76 78.65	210.37
26 05 36 00-0902	EA		12" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,605.70 -142.18 80.29	220.70
26 05 36 00-0903	EA		18" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,659.77 -145.67 82.99	243.67
26 05 36 00-0904	EA		24" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,697.80 -148.35 84.89	257.08
26 05 36 00-0905	EA		30" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,798.79 -155.75 89.94	289.51
26 05 36 00-0906	EA		36" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,882.76 -160.74 94.14	330.52
26 05 36 00-0907			12" Radius Horizontal Crosses <small>(26 05 36 00-0786)</small>		
26 05 36 00-0908	EA		6" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	618.38 -42.54 30.92	231.61
26 05 36 00-0909	EA		9" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	663.13 -46.01 33.16	243.67
26 05 36 00-0910	EA		12" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	688.23 -47.40 34.41	257.08
26 05 36 00-0911	EA		18" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	768.74 -54.16 38.44	272.61
26 05 36 00-0912	EA		24" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	839.73 -58.25 41.99	308.61
26 05 36 00-0913	EA		30" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	933.55 -65.81 46.68	330.52
26 05 36 00-0914	EA		36" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,072.65 -77.55 53.63	356.58
26 05 36 00-0915			24" Radius Horizontal Crosses <small>(26 05 36 00-0786)</small>		
26 05 36 00-0916	EA		6" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	874.13 -65.99 43.71	257.08
26 05 36 00-0917	EA		9" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	913.63 -68.65 45.68	272.61
26 05 36 00-0918	EA		12" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	955.47 -71.42 47.77	289.51
26 05 36 00-0919	EA		18" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,011.97 -75.48 50.60	308.61
26 05 36 00-0920	EA		24" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,135.53 -83.84 56.78	356.58
26 05 36 00-0921	EA		30" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,163.92 -84.22 58.20	386.00



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0922 EA 36" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,288.19 -93.75 64.41	420.75
26 05 36 00-0923 36" Radius Horizontal Crosses <small>(26 05 36 00-0786)</small>		
26 05 36 00-0924 EA 6" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,007.42 -76.62 50.37	289.51
26 05 36 00-0925 EA 9" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,005.51 -74.83 50.28	308.61
26 05 36 00-0926 EA 12" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,071.38 -79.60 53.57	330.52
26 05 36 00-0927 EA 18" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,212.08 -91.50 60.60	356.58
26 05 36 00-0928 EA 24" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,466.81 -111.62 73.34	420.75
26 05 36 00-0929 EA 30" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,618.28 -123.29 80.91	462.44
26 05 36 00-0930 EA 36" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,801.75 -137.25 90.09	515.13
26 05 36 00-0931 12" Radius Vertical Cross <small>(26 05 36 00-0786)</small>		
26 05 36 00-0932 EA 6" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	618.38 -42.54 30.92	231.61
26 05 36 00-0933 EA 9" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	663.27 -46.01 33.16	243.76
26 05 36 00-0934 EA 12" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	688.16 -47.39 34.41	257.08
26 05 36 00-0935 EA 18" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	768.91 -54.17 38.45	272.71
26 05 36 00-0936 EA 24" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	839.73 -58.25 41.99	308.61
26 05 36 00-0937 EA 30" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	933.80 -65.83 46.69	330.62
26 05 36 00-0938 EA 36" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,071.92 -77.52 53.60	356.09
26 05 36 00-0939 24" Radius Vertical Crosses <small>(26 05 36 00-0786)</small>		
26 05 36 00-0940 EA 6" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	874.13 -65.99 43.71	257.08
26 05 36 00-0941 EA 9" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	913.63 -68.65 45.68	272.61
26 05 36 00-0942 EA 12" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	955.47 -71.42 47.77	289.51
26 05 36 00-0943 EA 18" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,011.97 -75.48 50.60	308.61
26 05 36 00-0944 EA 24" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,135.53 -83.84 56.78	356.58
26 05 36 00-0945 EA 30" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,222.93 -90.13 61.15	386.00
26 05 36 00-0946 EA 36" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,354.72 -100.41 67.74	420.75
26 05 36 00-0947 36" Radius Vertical Crosses <small>(26 05 36 00-0786)</small>		
26 05 36 00-0948 EA 6" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,243.62 -100.24 62.18	289.51
26 05 36 00-0949 EA 9" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,307.23 -105.00 65.36	308.61

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0950 EA 12" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,391.20 -111.58 69.56	330.52
26 05 36 00-0951 EA 18" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,490.11 -119.30 74.51	356.58
26 05 36 00-0952 EA 24" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,811.28 -146.06 90.56	420.75
26 05 36 00-0953 EA 30" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,999.66 -161.43 99.98	462.44
26 05 36 00-0954 EA 36" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,226.18 -179.69 111.31	515.13
26 05 36 00-0955 6" Rung Tray Fittings <small>(26 05 36 00-0744)</small>		
26 05 36 00-0956 90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-0955)</small>		
26 05 36 00-0957 EA 6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	260.95 -18.03 13.05	96.80
26 05 36 00-0958 EA 9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	285.95 -19.41 14.30	110.20
26 05 36 00-0959 EA 12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	324.21 -22.27 16.21	121.88
26 05 36 00-0960 EA 18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	385.24 -26.08 19.26	149.39
26 05 36 00-0961 EA 24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	454.93 -31.20 22.75	171.48
26 05 36 00-0962 EA 30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	500.84 -34.00 25.04	193.00
26 05 36 00-0963 EA 36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	584.69 -40.09 29.23	220.60
26 05 36 00-0964 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-0955)</small>		
26 05 36 00-0965 EA 6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	344.42 -26.05 17.22	100.65
26 05 36 00-0966 EA 9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	377.07 -28.06 18.85	115.70
26 05 36 00-0967 EA 12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	407.50 -30.03 20.38	128.64
26 05 36 00-0968 EA 18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	475.74 -34.26 23.79	159.81
26 05 36 00-0969 EA 24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	538.55 -38.41 26.93	185.38
26 05 36 00-0970 EA 30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	601.76 -42.64 30.09	210.37
26 05 36 00-0971 EA 36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	688.79 -48.57 34.44	243.67
26 05 36 00-0972 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-0955)</small>		
26 05 36 00-0973 EA 6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	369.65 -28.20 18.48	105.18
26 05 36 00-0974 EA 9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	402.27 -30.08 20.11	121.78
26 05 36 00-0975 EA 12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	449.25 -33.57 22.46	136.26
26 05 36 00-0976 EA 18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	535.68 -39.28 26.78	171.48
26 05 36 00-0977 EA 24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	618.18 -45.04 30.91	201.31



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0978 EA 30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	696.40	231.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.34	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.82	
26 05 36 00-0979 EA 36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	809.31	272.13
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.26	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	40.47	
26 05 36 00-0980 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-0955)</small>		
26 05 36 00-0981 EA 6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	182.49	70.15
<i>For 60 Degree Bend, Deduct</i>	-33.34	
<i>For 30 Degree Bend, Deduct</i>	-59.46	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.41	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.12	
26 05 36 00-0982 EA 9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	208.32	84.15
<i>For 60 Degree Bend, Deduct</i>	-36.50	
<i>For 30 Degree Bend, Deduct</i>	-65.51	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.82	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.42	
26 05 36 00-0983 EA 12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	231.50	96.51
<i>For 60 Degree Bend, Deduct</i>	-39.40	
<i>For 30 Degree Bend, Deduct</i>	-71.03	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.11	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.58	
26 05 36 00-0984 EA 18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	286.53	121.97
<i>For 60 Degree Bend, Deduct</i>	-47.81	
<i>For 30 Degree Bend, Deduct</i>	-86.45	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.49	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.33	
26 05 36 00-0985 EA 24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	352.44	149.39
<i>For 60 Degree Bend, Deduct</i>	-59.04	
<i>For 30 Degree Bend, Deduct</i>	-106.70	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.80	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.62	
26 05 36 00-0986 EA 30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	404.46	171.48
<i>For 60 Degree Bend, Deduct</i>	-67.73	
<i>For 30 Degree Bend, Deduct</i>	-122.41	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.15	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.22	
26 05 36 00-0987 EA 36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	459.20	201.31
<i>For 60 Degree Bend, Deduct</i>	-74.36	
<i>For 30 Degree Bend, Deduct</i>	-135.12	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.14	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.96	
26 05 36 00-0988 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-0955)</small>		
26 05 36 00-0989 EA 6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	208.90	72.38
<i>For 60 Degree Bend, Deduct</i>	-41.21	
<i>For 30 Degree Bend, Deduct</i>	-72.70	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.86	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.45	
26 05 36 00-0990 EA 9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	243.84	87.24
<i>For 60 Degree Bend, Deduct</i>	-47.02	
<i>For 30 Degree Bend, Deduct</i>	-83.22	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.11	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.19	
26 05 36 00-0991 EA 12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	268.82	100.74
<i>For 60 Degree Bend, Deduct</i>	-50.10	
<i>For 30 Degree Bend, Deduct</i>	-89.09	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.49	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.44	
26 05 36 00-0992 EA 18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	322.96	128.64
<i>For 60 Degree Bend, Deduct</i>	-57.25	
<i>For 30 Degree Bend, Deduct</i>	-102.57	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.57	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.15	
26 05 36 00-0993 EA 24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	392.46	159.81
<i>For 60 Degree Bend, Deduct</i>	-68.27	
<i>For 30 Degree Bend, Deduct</i>	-122.66	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.93	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.62	
26 05 36 00-0994 EA 30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	460.31	185.38
<i>For 60 Degree Bend, Deduct</i>	-80.86	
<i>For 30 Degree Bend, Deduct</i>	-145.06	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.59	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.02	
26 05 36 00-0995 EA 36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	526.76	220.70
<i>For 60 Degree Bend, Deduct</i>	-89.24	
<i>For 30 Degree Bend, Deduct</i>	-161.00	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.29	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.34	
26 05 36 00-0996 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-0955)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0997	EA		6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	243.03	74.69
			<i>For 60 Degree Bend, Deduct</i>	-51.58	
			<i>For 30 Degree Bend, Deduct</i>	-90.12	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.08	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.15	
26 05 36 00-0998	EA		9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	272.29	90.71
			<i>For 60 Degree Bend, Deduct</i>	-55.09	
			<i>For 30 Degree Bend, Deduct</i>	-96.85	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.67	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.61	
26 05 36 00-0999	EA		12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	299.12	105.28
			<i>For 60 Degree Bend, Deduct</i>	-58.35	
			<i>For 30 Degree Bend, Deduct</i>	-103.11	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.14	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.96	
26 05 36 00-1000	EA		18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	363.44	136.26
			<i>For 60 Degree Bend, Deduct</i>	-67.69	
			<i>For 30 Degree Bend, Deduct</i>	-120.38	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.99	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.17	
26 05 36 00-1001	EA		24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	452.41	171.48
			<i>For 60 Degree Bend, Deduct</i>	-83.55	
			<i>For 30 Degree Bend, Deduct</i>	-148.78	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.95	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.62	
26 05 36 00-1002	EA		30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	512.19	201.31
			<i>For 60 Degree Bend, Deduct</i>	-91.85	
			<i>For 30 Degree Bend, Deduct</i>	-164.27	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.44	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.61	
26 05 36 00-1003	EA		36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	600.47	243.67
			<i>For 60 Degree Bend, Deduct</i>	-104.74	
			<i>For 30 Degree Bend, Deduct</i>	-188.11	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.74	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.02	
26 05 36 00-1004			90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-0955)</small>		
26 05 36 00-1005	EA		6" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	293.85	96.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.34	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.69	
26 05 36 00-1006	EA		9" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	324.01	110.20
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.21	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.20	
26 05 36 00-1007	EA		12" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	345.77	121.88
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.42	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.29	
26 05 36 00-1008	EA		18" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	396.49	149.39
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.20	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.82	
26 05 36 00-1009	EA		24" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	440.63	171.48
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.77	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.03	
26 05 36 00-1010	EA		30" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	483.71	193.00
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.29	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.19	
26 05 36 00-1011	EA		36" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	534.08	220.31
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.05	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.70	
26 05 36 00-1012			90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-0955)</small>		
26 05 36 00-1013	EA		6" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	311.67	100.65
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.78	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.58	
26 05 36 00-1014	EA		9" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	342.94	115.80
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.64	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.15	
26 05 36 00-1015	EA		12" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	368.02	128.64
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.08	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.40	
26 05 36 00-1016	EA		18" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	428.32	159.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.52	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.42	
26 05 36 00-1017	EA		24" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	480.61	185.38
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.62	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.03	
26 05 36 00-1018	EA		30" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	532.04	210.37
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.67	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.60	
26 05 36 00-1019	EA		36" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	599.62	243.67
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.65	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.98	



	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1020	90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-0955)</small>		
26 05 36 00-1021	EA 6" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	397.83 -31.02 19.89	105.18
26 05 36 00-1022	EA 9" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	430.41 -32.89 21.52	121.88
26 05 36 00-1023	EA 12" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	469.01 -35.54 23.45	136.26
26 05 36 00-1024	EA 18" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	537.37 -39.44 26.87	171.48
26 05 36 00-1025	EA 24" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	596.73 -42.90 29.84	201.31
26 05 36 00-1026	EA 30" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	666.54 -47.35 33.33	231.61
26 05 36 00-1027	EA 36" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	746.11 -51.94 37.31	272.13
26 05 36 00-1028	12" Radius Horizontal Tees <small>(26 05 36 00-0955)</small>		
26 05 36 00-1029	EA 6" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	462.84 -30.84 23.14	185.38
26 05 36 00-1030	EA 9" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	499.57 -33.18 24.98	201.31
26 05 36 00-1031	EA 12" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	517.22 -34.19 25.86	210.37
26 05 36 00-1032	EA 18" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	585.36 -39.24 29.27	231.61
26 05 36 00-1033	EA 24" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	648.06 -43.38 32.40	257.08
26 05 36 00-1034	EA 30" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	709.22 -48.21 35.46	272.61
26 05 36 00-1035	EA 36" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	819.75 -56.26 40.99	308.61
26 05 36 00-1036	24" Radius Horizontal Tees <small>(26 05 36 00-0955)</small>		
26 05 36 00-1037	EA 6" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	597.99 -43.02 29.90	201.31
26 05 36 00-1038	EA 9" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	645.36 -46.15 32.27	220.70
26 05 36 00-1039	EA 12" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	671.16 -47.82 33.56	231.61
26 05 36 00-1040	EA 18" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	738.91 -52.47 36.95	257.08
26 05 36 00-1041	EA 24" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	820.67 -57.94 41.03	289.51
26 05 36 00-1042	EA 30" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	885.37 -62.82 44.27	308.61
26 05 36 00-1043	EA 36" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,162.03 -86.49 58.10	356.58
26 05 36 00-1044	36" Radius Horizontal Tees <small>(26 05 36 00-0955)</small>		
26 05 36 00-1045	EA 6" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	738.74 -55.49 36.94	220.70
26 05 36 00-1046	EA 9" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	787.21 -58.41 39.36	243.67
26 05 36 00-1047	EA 12" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	844.90 -63.06 42.25	257.08

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1048 EA 18" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	921.61	289.51
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-68.04	
For 6" Overall Height Instead Of 4-5/8", Add	46.08	
26 05 36 00-1049 EA 24" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,035.34	330.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-75.99	
For 6" Overall Height Instead Of 4-5/8", Add	51.77	
26 05 36 00-1050 EA 30" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,207.45	356.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-91.03	
For 6" Overall Height Instead Of 4-5/8", Add	60.37	
26 05 36 00-1051 EA 36" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,382.69	420.75
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-103.20	
For 6" Overall Height Instead Of 4-5/8", Add	69.13	
26 05 36 00-1052 12" Radius Vertical Tees (26 05 36 00-0955)		
26 05 36 00-1053 EA 6" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	631.58	171.48
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-48.87	
For 6" Overall Height Instead Of 4-5/8", Add	31.58	
26 05 36 00-1054 EA 9" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	652.94	178.24
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.44	
For 6" Overall Height Instead Of 4-5/8", Add	32.65	
26 05 36 00-1055 EA 12" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	667.25	185.38
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-51.28	
For 6" Overall Height Instead Of 4-5/8", Add	33.36	
26 05 36 00-1056 EA 18" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	701.46	201.31
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-53.37	
For 6" Overall Height Instead Of 4-5/8", Add	35.07	
26 05 36 00-1057 EA 24" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	746.86	210.37
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.15	
For 6" Overall Height Instead Of 4-5/8", Add	37.34	
26 05 36 00-1058 EA 30" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	789.77	231.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-59.68	
For 6" Overall Height Instead Of 4-5/8", Add	39.49	
26 05 36 00-1059 EA 36" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	844.90	257.08
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-63.06	
For 6" Overall Height Instead Of 4-5/8", Add	42.25	
26 05 36 00-1060 24" Radius Vertical Tees (26 05 36 00-0955)		
26 05 36 00-1061 EA 6" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	894.37	185.38
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-73.99	
For 6" Overall Height Instead Of 4-5/8", Add	44.72	
26 05 36 00-1062 EA 9" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	914.71	193.00
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-75.39	
For 6" Overall Height Instead Of 4-5/8", Add	45.74	
26 05 36 00-1063 EA 12" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	936.15	201.31
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-76.84	
For 6" Overall Height Instead Of 4-5/8", Add	46.81	
26 05 36 00-1064 EA 18" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	986.05	220.70
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-80.22	
For 6" Overall Height Instead Of 4-5/8", Add	49.30	
26 05 36 00-1065 EA 24" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,019.42	231.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-82.64	
For 6" Overall Height Instead Of 4-5/8", Add	50.97	
26 05 36 00-1066 EA 30" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,077.07	257.08
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-86.28	
For 6" Overall Height Instead Of 4-5/8", Add	53.85	
26 05 36 00-1067 EA 36" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,189.11	289.51
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-94.79	
For 6" Overall Height Instead Of 4-5/8", Add	59.46	
26 05 36 00-1068 36" Radius Vertical Tees (26 05 36 00-0955)		
26 05 36 00-1069 EA 6" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,449.32	201.31
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-128.16	
For 6" Overall Height Instead Of 4-5/8", Add	72.47	
26 05 36 00-1070 EA 9" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,478.90	210.37
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-130.36	
For 6" Overall Height Instead Of 4-5/8", Add	73.95	
26 05 36 00-1071 EA 12" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,510.47	220.70
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-132.66	
For 6" Overall Height Instead Of 4-5/8", Add	75.52	
26 05 36 00-1072 EA 18" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,563.34	243.67
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-136.03	
For 6" Overall Height Instead Of 4-5/8", Add	78.17	
26 05 36 00-1073 EA 24" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,600.16	257.08
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-138.59	
For 6" Overall Height Instead Of 4-5/8", Add	80.01	
26 05 36 00-1074 EA 30" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,697.54	289.51
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-145.63	
For 6" Overall Height Instead Of 4-5/8", Add	84.88	
26 05 36 00-1075 EA 36" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,780.30	330.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-150.49	
For 6" Overall Height Instead Of 4-5/8", Add	89.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1076 12" Radius Horizontal Crosses <small>(26 05 36 00-0955)</small>		
26 05 36 00-1077 EA 6" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	600.50	231.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.75	
For 6" Overall Height Instead Of 4-5/8", Add	30.03	
26 05 36 00-1078 EA 9" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	643.37	243.67
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.03	
For 6" Overall Height Instead Of 4-5/8", Add	32.17	
26 05 36 00-1079 EA 12" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	668.25	257.08
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.40	
For 6" Overall Height Instead Of 4-5/8", Add	33.41	
26 05 36 00-1080 EA 18" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	744.55	272.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-51.74	
For 6" Overall Height Instead Of 4-5/8", Add	37.23	
26 05 36 00-1081 EA 24" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	814.71	308.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-55.75	
For 6" Overall Height Instead Of 4-5/8", Add	40.74	
26 05 36 00-1082 EA 30" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	904.11	330.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-62.87	
For 6" Overall Height Instead Of 4-5/8", Add	45.21	
26 05 36 00-1083 EA 36" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,035.85	356.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-73.87	
For 6" Overall Height Instead Of 4-5/8", Add	51.79	
26 05 36 00-1084 24" Radius Horizontal Crosses <small>(26 05 36 00-0955)</small>		
26 05 36 00-1085 EA 6" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	839.85	257.08
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-62.56	
For 6" Overall Height Instead Of 4-5/8", Add	41.99	
26 05 36 00-1086 EA 9" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	878.30	272.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-65.11	
For 6" Overall Height Instead Of 4-5/8", Add	43.92	
26 05 36 00-1087 EA 12" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	919.09	289.51
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-67.78	
For 6" Overall Height Instead Of 4-5/8", Add	45.95	
26 05 36 00-1088 EA 18" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	973.69	308.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-71.65	
For 6" Overall Height Instead Of 4-5/8", Add	48.68	
26 05 36 00-1089 EA 24" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,093.89	356.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-79.68	
For 6" Overall Height Instead Of 4-5/8", Add	54.69	
26 05 36 00-1090 EA 30" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,178.35	386.00
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-85.67	
For 6" Overall Height Instead Of 4-5/8", Add	58.92	
26 05 36 00-1091 EA 36" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,304.46	420.75
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-95.38	
For 6" Overall Height Instead Of 4-5/8", Add	65.22	
26 05 36 00-1092 36" Radius Horizontal Crosses <small>(26 05 36 00-0955)</small>		
26 05 36 00-1093 EA 6" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	967.04	289.51
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-72.58	
For 6" Overall Height Instead Of 4-5/8", Add	48.35	
26 05 36 00-1094 EA 9" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,019.12	308.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-76.19	
For 6" Overall Height Instead Of 4-5/8", Add	50.96	
26 05 36 00-1095 EA 12" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,085.81	330.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-81.04	
For 6" Overall Height Instead Of 4-5/8", Add	54.29	
26 05 36 00-1096 EA 18" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,164.55	356.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-86.74	
For 6" Overall Height Instead Of 4-5/8", Add	58.23	
26 05 36 00-1097 EA 24" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,407.92	420.75
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-105.73	
For 6" Overall Height Instead Of 4-5/8", Add	70.40	
26 05 36 00-1098 EA 30" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,553.09	462.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-116.77	
For 6" Overall Height Instead Of 4-5/8", Add	77.65	
26 05 36 00-1099 EA 36" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,729.20	515.13
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-129.99	
For 6" Overall Height Instead Of 4-5/8", Add	86.46	
26 05 36 00-1100 12" Radius Vertical Crosses <small>(26 05 36 00-0955)</small>		
26 05 36 00-1101 EA 6" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	600.50	231.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.75	
For 6" Overall Height Instead Of 4-5/8", Add	30.03	
26 05 36 00-1102 EA 9" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	643.51	243.76
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.04	
For 6" Overall Height Instead Of 4-5/8", Add	32.18	
26 05 36 00-1103 EA 12" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	668.18	257.08
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.40	
For 6" Overall Height Instead Of 4-5/8", Add	33.41	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1104	EA	18" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	744.72	272.71
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-51.75</i>	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>37.24</i>	
26 05 36 00-1105	EA	24" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	814.71	308.61
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-55.75</i>	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>40.74</i>	
26 05 36 00-1106	EA	30" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	904.36	330.62
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-62.88</i>	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>45.22</i>	
26 05 36 00-1107	EA	36" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,035.12	356.09
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-73.84</i>	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>51.76</i>	
26 05 36 00-1108		24" Radius Vertical Crosses (26 05 36 00-0955)		
26 05 36 00-1109	EA	6" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	839.85	257.08
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-62.56</i>	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>41.99</i>	
26 05 36 00-1110	EA	9" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	878.30	272.61
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-65.11</i>	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>43.92</i>	
26 05 36 00-1111	EA	12" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	919.09	289.51
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-67.78</i>	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>45.95</i>	
26 05 36 00-1112	EA	18" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	973.69	308.61
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-71.65</i>	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>48.68</i>	
26 05 36 00-1113	EA	24" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,093.89	356.58
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-79.68</i>	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>54.69</i>	
26 05 36 00-1114	EA	30" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,178.35	386.00
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-85.67</i>	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>58.92</i>	
26 05 36 00-1115	EA	36" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,304.46	420.75
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-95.38</i>	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>65.22</i>	
26 05 36 00-1116		36" Radius Vertical Crosses (26 05 36 00-0955)		
26 05 36 00-1117	EA	6" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,185.08	289.51
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-94.38</i>	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>59.25</i>	
26 05 36 00-1118	EA	9" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,246.24	308.61
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-98.90</i>	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>62.31</i>	
26 05 36 00-1119	EA	12" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,326.56	330.52
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-105.12</i>	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>66.33</i>	
26 05 36 00-1120	EA	18" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,421.20	356.58
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-112.41</i>	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>71.06</i>	
26 05 36 00-1121	EA	24" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,725.89	420.75
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-137.52</i>	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>86.29</i>	
26 05 36 00-1122	EA	30" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,905.13	462.44
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-151.97</i>	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>95.26</i>	
26 05 36 00-1123	EA	36" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,120.98	515.13
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-169.17</i>	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>106.05</i>	
26 05 36 00-1124		9" Rung Tray Fittings (26 05 36 00-0744)		
26 05 36 00-1125		90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1124)		
26 05 36 00-1126	EA	6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	244.34	96.80
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-16.37</i>	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>12.22</i>	
26 05 36 00-1127	EA	9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	268.91	110.20
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-17.70</i>	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>13.45</i>	
26 05 36 00-1128	EA	12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	304.02	121.88
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-20.25</i>	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>15.20</i>	
26 05 36 00-1129	EA	18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	362.53	149.39
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-23.80</i>	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>18.13</i>	
26 05 36 00-1130	EA	24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	426.75	171.48
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-28.38</i>	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>21.34</i>	
26 05 36 00-1131	EA	30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	470.98	193.00
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-31.01</i>	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>23.55</i>	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1132	EA		36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	548.52	220.60
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.47	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.43	
26 05 36 00-1133			90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1124)</small>		
26 05 36 00-1134	EA		6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	314.98	100.65
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.11	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.75	
26 05 36 00-1135	EA		9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	346.37	115.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.99	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.32	
26 05 36 00-1136	EA		12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	375.33	128.64
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.81	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.77	
26 05 36 00-1137	EA		18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	440.83	159.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.77	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.04	
26 05 36 00-1138	EA		24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	500.27	185.38
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.58	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.01	
26 05 36 00-1139	EA		30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	559.91	210.37
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.46	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.00	
26 05 36 00-1140	EA		36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	641.68	243.67
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.86	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.08	
26 05 36 00-1141			90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1124)</small>		
26 05 36 00-1142	EA		6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	337.26	105.18
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.96	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.86	
26 05 36 00-1143	EA		9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	369.05	121.78
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.76	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.45	
26 05 36 00-1144	EA		12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	412.23	136.26
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.86	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.61	
26 05 36 00-1145	EA		18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	494.05	171.48
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.11	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.70	
26 05 36 00-1146	EA		24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	571.07	201.31
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.33	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.55	
26 05 36 00-1147	EA		30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	644.67	231.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.17	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.23	
26 05 36 00-1148	EA		36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	750.00	272.13
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.33	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	37.50	
26 05 36 00-1149			45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1124)</small>		
26 05 36 00-1150	EA		6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	171.56	70.15
			<i>For 60 Degree Bend, Deduct</i>	-29.73	
			<i>For 30 Degree Bend, Deduct</i>	-53.45	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.31	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.58	
26 05 36 00-1151	EA		9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	196.96	84.15
			<i>For 60 Degree Bend, Deduct</i>	-32.76	
			<i>For 30 Degree Bend, Deduct</i>	-59.27	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.69	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.85	
26 05 36 00-1152	EA		12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	219.72	96.51
			<i>For 60 Degree Bend, Deduct</i>	-35.51	
			<i>For 30 Degree Bend, Deduct</i>	-64.55	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.93	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.99	
26 05 36 00-1153	EA		18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	272.65	121.97
			<i>For 60 Degree Bend, Deduct</i>	-43.23	
			<i>For 30 Degree Bend, Deduct</i>	-78.82	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.10	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.63	
26 05 36 00-1154	EA		24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	335.19	149.39
			<i>For 60 Degree Bend, Deduct</i>	-53.35	
			<i>For 30 Degree Bend, Deduct</i>	-97.22	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.07	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.76	
26 05 36 00-1155	EA		30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	384.69	171.48
			<i>For 60 Degree Bend, Deduct</i>	-61.20	
			<i>For 30 Degree Bend, Deduct</i>	-111.53	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.18	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.23	

26 Electrical
26 05 Common Work Results For Electrical
26 05 36 Cable Trays For Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1156	EA		36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	438.59	201.31
			<i>For 60 Degree Bend, Deduct</i>	-67.56	
			<i>For 30 Degree Bend, Deduct</i>	-123.79	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.08	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.93	
26 05 36 00-1157			45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1124)</small>		
26 05 36 00-1158	EA		6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	194.17	72.38
			<i>For 60 Degree Bend, Deduct</i>	-36.35	
			<i>For 30 Degree Bend, Deduct</i>	-64.59	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.39	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.71	
26 05 36 00-1159	EA		9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	227.44	87.24
			<i>For 60 Degree Bend, Deduct</i>	-41.61	
			<i>For 30 Degree Bend, Deduct</i>	-74.20	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.47	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.37	
26 05 36 00-1160	EA		12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	252.00	100.74
			<i>For 60 Degree Bend, Deduct</i>	-44.55	
			<i>For 30 Degree Bend, Deduct</i>	-79.84	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.81	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.60	
26 05 36 00-1161	EA		18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	304.88	128.64
			<i>For 60 Degree Bend, Deduct</i>	-51.29	
			<i>For 30 Degree Bend, Deduct</i>	-92.63	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.77	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.24	
26 05 36 00-1162	EA		24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	371.43	159.81
			<i>For 60 Degree Bend, Deduct</i>	-61.33	
			<i>For 30 Degree Bend, Deduct</i>	-111.09	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.83	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.57	
26 05 36 00-1163	EA		30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	435.08	185.38
			<i>For 60 Degree Bend, Deduct</i>	-72.53	
			<i>For 30 Degree Bend, Deduct</i>	-131.18	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.06	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.75	
26 05 36 00-1164	EA		36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	500.26	220.70
			<i>For 60 Degree Bend, Deduct</i>	-80.50	
			<i>For 30 Degree Bend, Deduct</i>	-146.42	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.64	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.01	
26 05 36 00-1165			45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1124)</small>		
26 05 36 00-1166	EA		6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	223.26	74.69
			<i>For 60 Degree Bend, Deduct</i>	-45.06	
			<i>For 30 Degree Bend, Deduct</i>	-79.25	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.11	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.16	
26 05 36 00-1167	EA		9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	252.10	90.71
			<i>For 60 Degree Bend, Deduct</i>	-48.43	
			<i>For 30 Degree Bend, Deduct</i>	-85.75	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.65	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.61	
26 05 36 00-1168	EA		12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	278.51	105.28
			<i>For 60 Degree Bend, Deduct</i>	-51.55	
			<i>For 30 Degree Bend, Deduct</i>	-91.77	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.08	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.93	
26 05 36 00-1169	EA		18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	340.73	136.26
			<i>For 60 Degree Bend, Deduct</i>	-60.19	
			<i>For 30 Degree Bend, Deduct</i>	-107.89	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.71	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.04	
26 05 36 00-1170	EA		24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	424.65	171.48
			<i>For 60 Degree Bend, Deduct</i>	-74.39	
			<i>For 30 Degree Bend, Deduct</i>	-133.51	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.17	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.23	
26 05 36 00-1171	EA		30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	482.75	201.31
			<i>For 60 Degree Bend, Deduct</i>	-82.13	
			<i>For 30 Degree Bend, Deduct</i>	-148.07	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.50	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.14	
26 05 36 00-1172	EA		36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	568.08	243.67
			<i>For 60 Degree Bend, Deduct</i>	-94.05	
			<i>For 30 Degree Bend, Deduct</i>	-170.29	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.50	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.40	
26 05 36 00-1173			90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1124)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1174 EA 6" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	276.50 -19.61 13.83	96.51
26 05 36 00-1175 EA 9" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	305.71 -21.38 15.29	110.20
26 05 36 00-1176 EA 12" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	327.16 -22.56 16.36	121.88
26 05 36 00-1177 EA 18" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	377.25 -25.28 18.86	149.39
26 05 36 00-1178 EA 24" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	420.44 -27.75 21.02	171.48
26 05 36 00-1179 EA 30" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	462.57 -30.17 23.13	193.00
26 05 36 00-1180 EA 36" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	512.32 -32.87 25.62	220.31
26 05 36 00-1181 90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1124)</small>		
26 05 36 00-1182 EA 6" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	292.90 -20.90 14.65	100.65
26 05 36 00-1183 EA 9" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	323.39 -22.69 16.17	115.80
26 05 36 00-1184 EA 12" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	347.99 -24.08 17.40	128.64
26 05 36 00-1185 EA 18" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	407.18 -27.40 20.36	159.81
26 05 36 00-1186 EA 24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	458.21 -30.38 22.91	185.38
26 05 36 00-1187 EA 30" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	508.38 -33.31 25.42	210.37
26 05 36 00-1188 EA 36" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	574.39 -37.13 28.72	243.67
26 05 36 00-1189 90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1124)</small>		
26 05 36 00-1190 EA 6" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	368.80 -28.11 18.44	105.18
26 05 36 00-1191 EA 9" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	400.76 -29.92 20.04	121.88
26 05 36 00-1192 EA 12" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	437.47 -32.39 21.87	136.26
26 05 36 00-1193 EA 18" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	504.56 -36.16 25.23	171.48
26 05 36 00-1194 EA 24" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	562.66 -39.49 28.13	201.31
26 05 36 00-1195 EA 30" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	629.95 -43.70 31.50	231.61
26 05 36 00-1196 EA 36" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	707.94 -48.12 35.40	272.13
26 05 36 00-1197 12" Radius Horizontal Tees <small>(26 05 36 00-1124)</small>		
26 05 36 00-1198 EA 6" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	437.18 -28.27 21.86	185.38
26 05 36 00-1199 EA 9" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	472.23 -30.45 23.61	201.31
26 05 36 00-1200 EA 12" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	489.46 -31.41 24.47	210.37
26 05 36 00-1201 EA 18" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	552.14 -35.91 27.61	231.61

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1202 EA 24" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	611.47	257.08
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.72	
For 6" Overall Height Instead Of 4-5/8", Add	30.57	
26 05 36 00-1203 EA 30" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	666.74	272.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.96	
For 6" Overall Height Instead Of 4-5/8", Add	33.34	
26 05 36 00-1204 EA 36" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	768.86	308.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-51.17	
For 6" Overall Height Instead Of 4-5/8", Add	38.44	
26 05 36 00-1205 24" Radius Horizontal Tees (26 05 36 00-1124)		
26 05 36 00-1206 EA 6" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	554.25	201.31
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.65	
For 6" Overall Height Instead Of 4-5/8", Add	27.71	
26 05 36 00-1207 EA 9" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	599.10	220.70
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.52	
For 6" Overall Height Instead Of 4-5/8", Add	29.96	
26 05 36 00-1208 EA 12" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	623.64	231.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.06	
For 6" Overall Height Instead Of 4-5/8", Add	31.18	
26 05 36 00-1209 EA 18" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	687.18	257.08
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.29	
For 6" Overall Height Instead Of 4-5/8", Add	34.36	
26 05 36 00-1210 EA 24" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	764.31	289.51
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.31	
For 6" Overall Height Instead Of 4-5/8", Add	38.22	
26 05 36 00-1211 EA 30" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	823.54	308.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.63	
For 6" Overall Height Instead Of 4-5/8", Add	41.18	
26 05 36 00-1212 EA 36" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,067.39	356.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-77.03	
For 6" Overall Height Instead Of 4-5/8", Add	53.37	
26 05 36 00-1213 36" Radius Horizontal Tees (26 05 36 00-1124)		
26 05 36 00-1214 EA 6" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	676.91	220.70
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.30	
For 6" Overall Height Instead Of 4-5/8", Add	33.85	
26 05 36 00-1215 EA 9" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	723.70	243.67
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.06	
For 6" Overall Height Instead Of 4-5/8", Add	36.19	
26 05 36 00-1216 EA 12" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	775.50	257.08
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.12	
For 6" Overall Height Instead Of 4-5/8", Add	38.78	
26 05 36 00-1217 EA 18" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	848.43	289.51
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-60.72	
For 6" Overall Height Instead Of 4-5/8", Add	42.42	
26 05 36 00-1218 EA 24" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	954.58	330.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-67.92	
For 6" Overall Height Instead Of 4-5/8", Add	47.73	
26 05 36 00-1219 EA 30" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,105.25	356.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-80.81	
For 6" Overall Height Instead Of 4-5/8", Add	55.26	
26 05 36 00-1220 EA 36" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,269.13	420.75
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-91.85	
For 6" Overall Height Instead Of 4-5/8", Add	63.46	
26 05 36 00-1221 12" Radius Vertical Tees (26 05 36 00-1124)		
26 05 36 00-1222 EA 6" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	573.96	171.48
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.10	
For 6" Overall Height Instead Of 4-5/8", Add	28.70	
26 05 36 00-1223 EA 9" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	593.63	178.24
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.51	
For 6" Overall Height Instead Of 4-5/8", Add	29.68	
26 05 36 00-1224 EA 12" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	607.52	185.38
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.31	
For 6" Overall Height Instead Of 4-5/8", Add	30.38	
26 05 36 00-1225 EA 18" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	640.47	201.31
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.27	
For 6" Overall Height Instead Of 4-5/8", Add	32.02	
26 05 36 00-1226 EA 24" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	680.83	210.37
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.55	
For 6" Overall Height Instead Of 4-5/8", Add	34.04	
26 05 36 00-1227 EA 30" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	722.48	231.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.95	
For 6" Overall Height Instead Of 4-5/8", Add	36.12	
26 05 36 00-1228 EA 36" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	775.50	257.08
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.12	
For 6" Overall Height Instead Of 4-5/8", Add	38.78	
26 05 36 00-1229 24" Radius Vertical Tees (26 05 36 00-1124)		



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1230	EA	6" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	796.79 -64.23 39.84	185.38
26 05 36 00-1231	EA	9" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	815.87 -65.50 40.79	193.00
26 05 36 00-1232	EA	12" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	836.05 -66.83 41.80	201.31
26 05 36 00-1233	EA	18" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	883.00 -69.91 44.15	220.70
26 05 36 00-1234	EA	24" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	913.85 -72.09 45.69	231.61
26 05 36 00-1235	EA	30" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	968.98 -75.47 48.45	257.08
26 05 36 00-1236	EA	36" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,071.35 -83.01 53.57	289.51
26 05 36 00-1237		36" Radius Vertical Tees (26 05 36 00-1124)		
26 05 36 00-1238	EA	6" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,263.69 -109.59 63.18	201.31
26 05 36 00-1239	EA	9" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,290.86 -111.55 64.54	210.37
26 05 36 00-1240	EA	12" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,320.02 -113.61 66.00	220.70
26 05 36 00-1241	EA	18" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,370.47 -116.74 68.52	243.67
26 05 36 00-1242	EA	24" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,404.88 -119.06 70.24	257.08
26 05 36 00-1243	EA	30" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,495.03 -125.38 74.75	289.51
26 05 36 00-1244	EA	36" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,575.38 -130.00 78.77	330.52
26 05 36 00-1245		12" Radius Horizontal Crosses (26 05 36 00-1124)		
26 05 36 00-1246	EA	6" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	564.75 -37.18 28.24	231.61
26 05 36 00-1247	EA	9" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	603.83 -40.08 30.19	243.67
26 05 36 00-1248	EA	12" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	628.29 -41.40 31.41	257.08
26 05 36 00-1249	EA	18" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	696.18 -46.90 34.81	272.61
26 05 36 00-1250	EA	24" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	764.66 -50.75 38.23	308.61
26 05 36 00-1251	EA	30" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	845.23 -56.98 42.26	330.52
26 05 36 00-1252	EA	36" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	962.24 -66.51 48.11	356.58
26 05 36 00-1253		24" Radius Horizontal Crosses (26 05 36 00-1124)		
26 05 36 00-1254	EA	6" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	771.30 -55.70 38.57	257.08
26 05 36 00-1255	EA	9" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	807.64 -58.05 40.38	272.61
26 05 36 00-1256	EA	12" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	846.33 -60.51 42.32	289.51
26 05 36 00-1257	EA	18" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	897.14 -63.99 44.86	308.61

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1258 EA 24" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,010.61	356.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-71.35	
For 6" Overall Height Instead Of 4-5/8", Add	50.53	
26 05 36 00-1259 EA 30" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,089.18	386.00
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-76.75	
For 6" Overall Height Instead Of 4-5/8", Add	54.46	
26 05 36 00-1260 EA 36" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,203.93	420.75
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-85.33	
For 6" Overall Height Instead Of 4-5/8", Add	60.20	
26 05 36 00-1261 36" Radius Horizontal Crosses (26 05 36 00-1124)		
26 05 36 00-1262 EA 6" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	886.28	289.51
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-64.50	
For 6" Overall Height Instead Of 4-5/8", Add	44.31	
26 05 36 00-1263 EA 9" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	935.00	308.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-67.78	
For 6" Overall Height Instead Of 4-5/8", Add	46.75	
26 05 36 00-1264 EA 12" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	996.64	330.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-72.12	
For 6" Overall Height Instead Of 4-5/8", Add	49.83	
26 05 36 00-1265 EA 18" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,069.49	356.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-77.24	
For 6" Overall Height Instead Of 4-5/8", Add	53.47	
26 05 36 00-1266 EA 24" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,290.16	420.75
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-93.95	
For 6" Overall Height Instead Of 4-5/8", Add	64.51	
26 05 36 00-1267 EA 30" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,422.71	462.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-103.73	
For 6" Overall Height Instead Of 4-5/8", Add	71.14	
26 05 36 00-1268 EA 36" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,584.09	515.13
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-115.48	
For 6" Overall Height Instead Of 4-5/8", Add	79.20	
26 05 36 00-1269 12" Radius Vertical Crosses (26 05 36 00-1124)		
26 05 36 00-1270 EA 6" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	564.75	231.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.18	
For 6" Overall Height Instead Of 4-5/8", Add	28.24	
26 05 36 00-1271 EA 9" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	603.83	243.67
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.08	
For 6" Overall Height Instead Of 4-5/8", Add	30.19	
26 05 36 00-1272 EA 12" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	628.29	257.08
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.40	
For 6" Overall Height Instead Of 4-5/8", Add	31.41	
26 05 36 00-1273 EA 18" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	696.18	272.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.90	
For 6" Overall Height Instead Of 4-5/8", Add	34.81	
26 05 36 00-1274 EA 24" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	764.66	308.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.75	
For 6" Overall Height Instead Of 4-5/8", Add	38.23	
26 05 36 00-1275 EA 30" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	845.23	330.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.98	
For 6" Overall Height Instead Of 4-5/8", Add	42.26	
26 05 36 00-1276 EA 36" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	960.78	355.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-66.44	
For 6" Overall Height Instead Of 4-5/8", Add	48.04	
26 05 36 00-1277 24" Radius Vertical Crosses (26 05 36 00-1124)		
26 05 36 00-1278 EA 6" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	771.30	257.08
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-55.70	
For 6" Overall Height Instead Of 4-5/8", Add	38.57	
26 05 36 00-1279 EA 9" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	807.64	272.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-58.05	
For 6" Overall Height Instead Of 4-5/8", Add	40.38	
26 05 36 00-1280 EA 12" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	846.33	289.51
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-60.51	
For 6" Overall Height Instead Of 4-5/8", Add	42.32	
26 05 36 00-1281 EA 18" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	897.14	308.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-63.99	
For 6" Overall Height Instead Of 4-5/8", Add	44.86	
26 05 36 00-1282 EA 24" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,010.61	356.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-71.35	
For 6" Overall Height Instead Of 4-5/8", Add	50.53	
26 05 36 00-1283 EA 30" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,089.18	386.00
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-76.75	
For 6" Overall Height Instead Of 4-5/8", Add	54.46	
26 05 36 00-1284 EA 36" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,203.93	420.75
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-85.33	
For 6" Overall Height Instead Of 4-5/8", Add	60.20	
26 05 36 00-1285 36" Radius Vertical Crosses (26 05 36 00-1124)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1286 EA 6" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,067.98 -82.67 53.40	289.51
26 05 36 00-1287 EA 9" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,124.27 -86.71 56.21	308.61
26 05 36 00-1288 EA 12" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,197.27 -92.19 59.86	330.52
26 05 36 00-1289 EA 18" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,283.37 -98.63 64.17	356.58
26 05 36 00-1290 EA 24" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,555.13 -120.45 77.76	420.75
26 05 36 00-1291 EA 30" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,716.07 -133.07 85.80	462.44
26 05 36 00-1292 EA 36" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,910.58 -148.13 95.53	515.13
26 05 36 00-1293 12" Rung Tray Fittings <small>(26 05 36 00-0744)</small>		
26 05 36 00-1294 90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1293)</small>		
26 05 36 00-1295 EA 6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	238.52 -15.79 11.93	96.80
26 05 36 00-1296 EA 9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	262.95 -17.11 13.15	110.20
26 05 36 00-1297 EA 12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	296.96 -19.54 14.85	121.88
26 05 36 00-1298 EA 18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	354.58 -23.01 17.73	149.39
26 05 36 00-1299 EA 24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	416.89 -27.40 20.84	171.48
26 05 36 00-1300 EA 30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	460.53 -29.97 23.03	193.00
26 05 36 00-1301 EA 36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	535.86 -35.20 26.79	220.60
26 05 36 00-1302 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1293)</small>		
26 05 36 00-1303 EA 6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	304.67 -22.08 15.23	100.65
26 05 36 00-1304 EA 9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	335.62 -23.92 16.78	115.70
26 05 36 00-1305 EA 12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	364.07 -25.68 18.20	128.64
26 05 36 00-1306 EA 18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	428.61 -29.55 21.43	159.81
26 05 36 00-1307 EA 24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	486.88 -33.24 24.34	185.38
26 05 36 00-1308 EA 30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	545.26 -36.99 27.26	210.37
26 05 36 00-1309 EA 36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	625.20 -42.21 31.26	243.67
26 05 36 00-1310 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1293)</small>		
26 05 36 00-1311 EA 6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	325.92 -23.83 16.30	105.18
26 05 36 00-1312 EA 9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	357.42 -25.60 17.87	121.78
26 05 36 00-1313 EA 12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	399.28 -28.57 19.96	136.26

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1314 EA 18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	479.47	171.48
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.65	
For 6" Overall Height Instead Of 4-5/8", Add	23.97	
26 05 36 00-1315 EA 24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	554.59	201.31
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.68	
For 6" Overall Height Instead Of 4-5/8", Add	27.73	
26 05 36 00-1316 EA 30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	626.56	231.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.36	
For 6" Overall Height Instead Of 4-5/8", Add	31.33	
26 05 36 00-1317 EA 36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	729.24	272.13
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.25	
For 6" Overall Height Instead Of 4-5/8", Add	36.46	
26 05 36 00-1318 45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1293)		
26 05 36 00-1319 EA 6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	167.73	70.15
For 60 Degree Bend, Deduct	-28.47	
For 30 Degree Bend, Deduct	-51.34	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-10.93	
For 6" Overall Height Instead Of 4-5/8", Add	8.39	
26 05 36 00-1320 EA 9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	192.99	84.15
For 60 Degree Bend, Deduct	-31.45	
For 30 Degree Bend, Deduct	-57.08	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-12.29	
For 6" Overall Height Instead Of 4-5/8", Add	9.65	
26 05 36 00-1321 EA 12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	215.60	96.51
For 60 Degree Bend, Deduct	-34.15	
For 30 Degree Bend, Deduct	-62.29	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.52	
For 6" Overall Height Instead Of 4-5/8", Add	10.78	
26 05 36 00-1322 EA 18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	267.79	121.97
For 60 Degree Bend, Deduct	-41.62	
For 30 Degree Bend, Deduct	-76.15	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.62	
For 6" Overall Height Instead Of 4-5/8", Add	13.39	
26 05 36 00-1323 EA 24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	329.16	149.39
For 60 Degree Bend, Deduct	-51.36	
For 30 Degree Bend, Deduct	-93.90	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.47	
For 6" Overall Height Instead Of 4-5/8", Add	16.46	
26 05 36 00-1324 EA 30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	377.77	171.48
For 60 Degree Bend, Deduct	-58.92	
For 30 Degree Bend, Deduct	-107.73	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.48	
For 6" Overall Height Instead Of 4-5/8", Add	18.89	
26 05 36 00-1325 EA 36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	431.37	201.31
For 60 Degree Bend, Deduct	-65.18	
For 30 Degree Bend, Deduct	-119.81	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.36	
For 6" Overall Height Instead Of 4-5/8", Add	21.57	
26 05 36 00-1326 45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1293)		
26 05 36 00-1327 EA 6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	189.02	72.38
For 60 Degree Bend, Deduct	-34.65	
For 30 Degree Bend, Deduct	-61.76	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-12.87	
For 6" Overall Height Instead Of 4-5/8", Add	9.45	
26 05 36 00-1328 EA 9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	221.70	87.24
For 60 Degree Bend, Deduct	-39.71	
For 30 Degree Bend, Deduct	-71.04	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.90	
For 6" Overall Height Instead Of 4-5/8", Add	11.09	
26 05 36 00-1329 EA 12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	246.11	100.74
For 60 Degree Bend, Deduct	-42.60	
For 30 Degree Bend, Deduct	-76.60	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.22	
For 6" Overall Height Instead Of 4-5/8", Add	12.31	
26 05 36 00-1330 EA 18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	298.55	128.64
For 60 Degree Bend, Deduct	-49.20	
For 30 Degree Bend, Deduct	-89.15	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.13	
For 6" Overall Height Instead Of 4-5/8", Add	14.93	
26 05 36 00-1331 EA 24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	364.07	159.81
For 60 Degree Bend, Deduct	-58.90	
For 30 Degree Bend, Deduct	-107.04	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.09	
For 6" Overall Height Instead Of 4-5/8", Add	18.20	
26 05 36 00-1332 EA 30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	426.25	185.38
For 60 Degree Bend, Deduct	-69.62	
For 30 Degree Bend, Deduct	-126.32	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.18	
For 6" Overall Height Instead Of 4-5/8", Add	21.31	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1333	EA	36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	490.98 -77.44 -141.32 -30.71 24.55	220.70
26 05 36 00-1334		45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1293)</small>		
26 05 36 00-1335	EA	6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	216.34 -42.78 -75.44 -15.41 10.82	74.69
26 05 36 00-1336	EA	9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	245.04 -46.10 -81.87 -16.95 12.25	90.71
26 05 36 00-1337	EA	12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	271.29 -49.17 -87.80 -18.36 13.56	105.28
26 05 36 00-1338	EA	18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	332.78 -57.57 -103.52 -21.92 16.64	136.26
26 05 36 00-1339	EA	24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	414.93 -71.18 -128.16 -27.20 20.75	171.48
26 05 36 00-1340	EA	30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	472.44 -78.73 -142.40 -30.47 23.62	201.31
26 05 36 00-1341	EA	36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	556.74 -90.31 -164.05 -35.37 27.84	243.67
26 05 36 00-1342		90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1293)</small>		
26 05 36 00-1343	EA	6" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	264.94 -18.45 13.25	96.51
26 05 36 00-1344	EA	9" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	293.52 -20.17 14.68	110.20
26 05 36 00-1345	EA	12" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	314.75 -21.32 15.74	121.88
26 05 36 00-1346	EA	18" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	364.42 -23.99 18.22	149.39
26 05 36 00-1347	EA	24" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	406.98 -26.41 20.35	171.48
26 05 36 00-1348	EA	30" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	448.48 -28.76 22.42	193.00
26 05 36 00-1349	EA	36" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	497.81 -31.42 24.89	220.31
26 05 36 00-1350		90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1293)</small>		
26 05 36 00-1351	EA	6" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	280.38 -19.65 14.02	100.65
26 05 36 00-1352	EA	9" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	310.35 -21.39 15.52	115.80
26 05 36 00-1353	EA	12" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	334.64 -22.74 16.73	128.64
26 05 36 00-1354	EA	18" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	393.09 -26.00 19.65	159.81
26 05 36 00-1355	EA	24" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	443.28 -28.88 22.16	185.38

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1356 EA 30" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	492.61 -31.73 24.63	210.37
26 05 36 00-1357 EA 36" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	557.56 -35.45 27.88	243.67
26 05 36 00-1358 90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1293)</small>		
26 05 36 00-1359 EA 6" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	349.46 -26.18 17.47	105.18
26 05 36 00-1360 EA 9" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	380.99 -27.95 19.05	121.88
26 05 36 00-1361 EA 12" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	416.44 -30.29 20.82	136.26
26 05 36 00-1362 EA 18" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	482.69 -33.98 24.13	171.48
26 05 36 00-1363 EA 24" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	539.95 -37.22 27.00	201.31
26 05 36 00-1364 EA 30" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	605.55 -41.26 30.28	231.61
26 05 36 00-1365 EA 36" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	682.50 -45.58 34.13	272.13
26 05 36 00-1366 12" Radius Horizontal Tees <small>(26 05 36 00-1293)</small>		
26 05 36 00-1367 EA 6" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	424.35 -26.99 21.22	185.38
26 05 36 00-1368 EA 9" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	458.56 -29.08 22.93	201.31
26 05 36 00-1369 EA 12" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	475.58 -30.03 23.78	210.37
26 05 36 00-1370 EA 18" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	535.52 -34.25 26.78	231.61
26 05 36 00-1371 EA 24" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	593.17 -37.89 29.66	257.08
26 05 36 00-1372 EA 30" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	645.50 -41.83 32.28	272.61
26 05 36 00-1373 EA 36" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	743.42 -48.62 37.17	308.61
26 05 36 00-1374 24" Radius Horizontal Tees <small>(26 05 36 00-1293)</small>		
26 05 36 00-1375 EA 6" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	532.38 -36.46 26.62	201.31
26 05 36 00-1376 EA 9" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	575.97 -39.21 28.80	220.70
26 05 36 00-1377 EA 12" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	599.87 -40.69 29.99	231.61
26 05 36 00-1378 EA 18" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	661.31 -44.71 33.07	257.08
26 05 36 00-1379 EA 24" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	736.13 -49.49 36.81	289.51
26 05 36 00-1380 EA 30" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	792.62 -53.54 39.63	308.61
26 05 36 00-1381 EA 36" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,020.07 -72.30 51.00	356.58
26 05 36 00-1382 36" Radius Horizontal Tees <small>(26 05 36 00-1293)</small>		
26 05 36 00-1383 EA 6" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	645.99 -46.21 32.30	220.70



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1384 EA 9" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	691.95	243.67
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-48.89	
For 6" Overall Height Instead Of 4-5/8", Add	34.60	
26 05 36 00-1385 EA 12" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	740.80	257.08
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.65	
For 6" Overall Height Instead Of 4-5/8", Add	37.04	
26 05 36 00-1386 EA 18" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	811.84	289.51
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.06	
For 6" Overall Height Instead Of 4-5/8", Add	40.59	
26 05 36 00-1387 EA 24" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	914.21	330.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-63.88	
For 6" Overall Height Instead Of 4-5/8", Add	45.71	
26 05 36 00-1388 EA 30" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,054.14	356.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-75.70	
For 6" Overall Height Instead Of 4-5/8", Add	52.71	
26 05 36 00-1389 EA 36" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,212.35	420.75
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-86.17	
For 6" Overall Height Instead Of 4-5/8", Add	60.62	
26 05 36 00-1390 12" Radius Vertical Tees (26 05 36 00-1293)		
26 05 36 00-1391 EA 6" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	545.15	171.48
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.22	
For 6" Overall Height Instead Of 4-5/8", Add	27.26	
26 05 36 00-1392 EA 9" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	563.98	178.24
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.54	
For 6" Overall Height Instead Of 4-5/8", Add	28.20	
26 05 36 00-1393 EA 12" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	577.66	185.38
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.32	
For 6" Overall Height Instead Of 4-5/8", Add	28.88	
26 05 36 00-1394 EA 18" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	609.98	201.31
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.22	
For 6" Overall Height Instead Of 4-5/8", Add	30.50	
26 05 36 00-1395 EA 24" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	647.81	210.37
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.25	
For 6" Overall Height Instead Of 4-5/8", Add	32.39	
26 05 36 00-1396 EA 30" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	688.83	231.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.58	
For 6" Overall Height Instead Of 4-5/8", Add	34.44	
26 05 36 00-1397 EA 36" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	740.80	257.08
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.65	
For 6" Overall Height Instead Of 4-5/8", Add	37.04	
26 05 36 00-1398 24" Radius Vertical Tees (26 05 36 00-1293)		
26 05 36 00-1399 EA 6" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	748.00	185.38
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-59.36	
For 6" Overall Height Instead Of 4-5/8", Add	37.40	
26 05 36 00-1400 EA 9" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	766.45	193.00
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-60.56	
For 6" Overall Height Instead Of 4-5/8", Add	38.32	
26 05 36 00-1401 EA 12" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	786.00	201.31
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-61.82	
For 6" Overall Height Instead Of 4-5/8", Add	39.30	
26 05 36 00-1402 EA 18" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	831.48	220.70
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-64.76	
For 6" Overall Height Instead Of 4-5/8", Add	41.57	
26 05 36 00-1403 EA 24" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	861.06	231.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-66.81	
For 6" Overall Height Instead Of 4-5/8", Add	43.05	
26 05 36 00-1404 EA 30" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	914.93	257.08
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-70.07	
For 6" Overall Height Instead Of 4-5/8", Add	45.75	
26 05 36 00-1405 EA 36" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,012.46	289.51
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-77.12	
For 6" Overall Height Instead Of 4-5/8", Add	50.62	
26 05 36 00-1406 36" Radius Vertical Tees (26 05 36 00-1293)		
26 05 36 00-1407 EA 6" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,170.88	201.31
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-100.31	
For 6" Overall Height Instead Of 4-5/8", Add	58.54	
26 05 36 00-1408 EA 9" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,196.84	210.37
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-102.15	
For 6" Overall Height Instead Of 4-5/8", Add	59.84	
26 05 36 00-1409 EA 12" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,224.80	220.70
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-104.09	
For 6" Overall Height Instead Of 4-5/8", Add	61.24	
26 05 36 00-1410 EA 18" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,274.04	243.67
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-107.10	
For 6" Overall Height Instead Of 4-5/8", Add	63.70	
26 05 36 00-1411 EA 24" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,307.25	257.08
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-109.30	
For 6" Overall Height Instead Of 4-5/8", Add	65.36	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1412 EA 30" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,393.78 -115.25 69.69	289.51
26 05 36 00-1413 EA 36" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,472.93 -119.75 73.65	330.52
26 05 36 00-1414 12" Radius Horizontal Crosses <small>(26 05 36 00-1293)</small>		
26 05 36 00-1415 EA 6" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	546.88 -35.39 27.34	231.61
26 05 36 00-1416 EA 9" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	584.06 -38.10 29.20	243.67
26 05 36 00-1417 EA 12" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	608.32 -39.41 30.42	257.08
26 05 36 00-1418 EA 18" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	672.00 -44.48 33.60	272.61
26 05 36 00-1419 EA 24" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	739.63 -48.24 36.98	308.61
26 05 36 00-1420 EA 30" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	815.79 -54.04 40.79	330.52
26 05 36 00-1421 EA 36" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	925.44 -62.83 46.27	356.58
26 05 36 00-1422 24" Radius Horizontal Crosses <small>(26 05 36 00-1293)</small>		
26 05 36 00-1423 EA 6" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	737.02 -52.28 36.85	257.08
26 05 36 00-1424 EA 9" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	772.31 -54.51 38.62	272.61
26 05 36 00-1425 EA 12" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	809.94 -56.87 40.50	289.51
26 05 36 00-1426 EA 18" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	858.87 -60.17 42.94	308.61
26 05 36 00-1427 EA 24" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	968.97 -67.19 48.45	356.58
26 05 36 00-1428 EA 30" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,044.60 -72.29 52.23	386.00
26 05 36 00-1429 EA 36" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,153.67 -80.30 57.68	420.75
26 05 36 00-1430 36" Radius Horizontal Crosses <small>(26 05 36 00-1293)</small>		
26 05 36 00-1431 EA 6" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	845.91 -60.47 42.30	289.51
26 05 36 00-1432 EA 9" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	892.94 -63.57 44.65	308.61
26 05 36 00-1433 EA 12" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	952.06 -67.67 47.60	330.52
26 05 36 00-1434 EA 18" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,021.97 -72.49 51.10	356.58
26 05 36 00-1435 EA 24" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,231.27 -88.06 61.56	420.75
26 05 36 00-1436 EA 30" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,357.51 -97.21 67.88	462.44
26 05 36 00-1437 EA 36" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,511.54 -108.23 75.58	515.13
26 05 36 00-1438 12" Radius Vertical Crosses <small>(26 05 36 00-1293)</small>		
26 05 36 00-1439 EA 6" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	546.88 -35.39 27.34	231.61



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1440 EA 9" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	584.20 -38.11 29.21	243.76
26 05 36 00-1441 EA 12" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	608.25 -39.40 30.41	257.08
26 05 36 00-1442 EA 18" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	672.17 -44.49 33.61	272.71
26 05 36 00-1443 EA 24" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	739.63 -48.24 36.98	308.61
26 05 36 00-1444 EA 30" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	816.04 -54.05 40.80	330.62
26 05 36 00-1445 EA 36" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	924.71 -62.80 46.24	356.09
26 05 36 00-1446 24" Radius Vertical Crosses <small>(26 05 36 00-1293)</small>		
26 05 36 00-1447 EA 6" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	737.02 -52.28 36.85	257.08
26 05 36 00-1448 EA 9" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	772.31 -54.51 38.62	272.61
26 05 36 00-1449 EA 12" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	809.94 -56.87 40.50	289.51
26 05 36 00-1450 EA 18" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	858.87 -60.17 42.94	308.61
26 05 36 00-1451 EA 24" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	968.97 -67.19 48.45	356.58
26 05 36 00-1452 EA 30" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,044.60 -72.29 52.23	386.00
26 05 36 00-1453 EA 36" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,153.67 -80.30 57.68	420.75
26 05 36 00-1454 36" Radius Vertical Crosses <small>(26 05 36 00-1293)</small>		
26 05 36 00-1455 EA 6" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,009.43 -76.82 50.47	289.51
26 05 36 00-1456 EA 9" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,063.28 -80.61 53.16	308.61
26 05 36 00-1457 EA 12" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,132.62 -85.72 56.63	330.52
26 05 36 00-1458 EA 18" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,214.45 -91.73 60.72	356.58
26 05 36 00-1459 EA 24" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,469.75 -111.91 73.49	420.75
26 05 36 00-1460 EA 30" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,621.54 -123.62 81.08	462.44
26 05 36 00-1461 EA 36" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,805.38 -137.61 90.27	515.13
26 05 36 00-1462 Dropout Or End Plates And Reducers <small>(26 05 36 00-0744)</small>		
26 05 36 00-1463 Straight Reducers <small>(26 05 36 00-1462)</small>		
26 05 36 00-1464 EA 9"-6" Reducer, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	213.36 -15.40 10.67	71.22
26 05 36 00-1465 EA 12"-9" Reducer, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	225.27 -16.10 11.26	77.11
26 05 36 00-1466 EA 18"-12" Reducer, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	247.22 -17.30 12.36	88.97
26 05 36 00-1467 EA 24"-18" Reducer, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	272.53 -18.67 13.63	102.97

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1468 EA 30"-24" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	296.05 -19.96 14.80	115.80
26 05 36 00-1469 EA 36"-30" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	329.88 -21.96 16.49	132.30
26 05 36 00-1470 Reducers <small>(26 05 36 00-1462)</small>		
26 05 36 00-1471 EA 18"-6" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	247.31 -17.31 12.37	89.07
26 05 36 00-1472 EA 24"-12" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	272.77 -18.69 13.64	103.07
26 05 36 00-1473 EA 30"-12" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	295.90 -19.95 14.80	115.70
26 05 36 00-1474 EA 30"-18" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	297.84 -20.15 14.89	115.61
26 05 36 00-1475 EA 36"-12" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	327.77 -21.75 16.39	132.30
26 05 36 00-1476 EA 36"-18" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	335.68 -22.25 16.78	135.78
26 05 36 00-1477 EA 36"-24" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	347.11 -23.03 17.36	140.12
26 05 36 00-1478 Dropout Or End Plate <small>(26 05 36 00-1462)</small>		
26 05 36 00-1479 EA 6" Dropout Or End Plate, Aluminum Cable Tray	60.76	28.95
26 05 36 00-1480 EA 9" Dropout Or End Plate, Aluminum Cable Tray	68.46	33.10
26 05 36 00-1481 EA 12" Dropout Or End Plate, Aluminum Cable Tray	73.86	35.61
26 05 36 00-1482 EA 18" Dropout Or End Plate, Aluminum Cable Tray	89.60	42.07
26 05 36 00-1483 EA 24" Dropout Or End Plate, Aluminum Cable Tray	100.02	46.32
26 05 36 00-1484 EA 30" Dropout Or End Plate, Aluminum Cable Tray	112.92	51.44
26 05 36 00-1485 EA 36" Dropout Or End Plate, Aluminum Cable Tray	126.69	57.90
26 05 36 00-1486 Solid Bottom Cable Tray <small>(26 05 36 00-0001)</small> Note: 3-5/8" Height.		
26 05 36 00-1487 Solid Bottom Galvanized Steel Straight Tray Sections <small>(26 05 36 00-1486)</small>		
26 05 36 00-1488 LF 6" Solid Bottom Steel Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	23.31 2.23	7.52
26 05 36 00-1489 LF 12" Solid Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	29.01 2.81	9.27
26 05 36 00-1490 LF 18" Solid Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	38.89 3.61	13.32
26 05 36 00-1491 LF 24" Solid Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	44.97 4.20	15.25
26 05 36 00-1492 LF 30" Solid Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	53.92 5.01	18.44
26 05 36 00-1493 LF 36" Solid Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	68.39 6.74	21.13
26 05 36 00-1494 Solid Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-1486)</small>		
26 05 36 00-1495 90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1494)</small>		
26 05 36 00-1496 EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	241.89 20.19	96.60
26 05 36 00-1497 EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	317.19 24.93	135.87
26 05 36 00-1498 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	389.47 29.84	171.48
26 05 36 00-1499 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	477.46 36.50	210.66
26 05 36 00-1500 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	557.40 42.93	244.15
26 05 36 00-1501 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	625.95 48.46	272.61
26 05 36 00-1502 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1494)</small>		
26 05 36 00-1503 EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	282.60 25.63	100.55
26 05 36 00-1504 EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	375.87 32.23	144.85



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1505 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	464.32 38.76	185.38
26 05 36 00-1506 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	567.33 46.50	231.61
26 05 36 00-1507 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	665.57 54.49	272.13
26 05 36 00-1508 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	752.39 61.42	308.61
26 05 36 00-1509 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1494)</small>		
26 05 36 00-1510 EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	343.46 34.01	105.09
26 05 36 00-1511 EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	447.17 41.30	154.69
26 05 36 00-1512 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	567.53 51.53	201.59
26 05 36 00-1513 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	679.45 59.07	257.08
26 05 36 00-1514 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	815.53 70.89	308.61
26 05 36 00-1515 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	931.13 80.39	355.61
26 05 36 00-1516 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1494)</small>		
26 05 36 00-1517 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	221.76 17.16	96.60
26 05 36 00-1518 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	294.53 21.53	135.87
26 05 36 00-1519 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	363.22 25.93	171.29
26 05 36 00-1520 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	445.37 31.74	210.37
26 05 36 00-1521 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	519.75 37.28	244.15
26 05 36 00-1522 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	582.19 41.98	272.13
26 05 36 00-1523 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1494)</small>		
26 05 36 00-1524 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	253.98 21.32	100.65
26 05 36 00-1525 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	342.03 27.18	144.75
26 05 36 00-1526 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	425.87 32.95	185.58
26 05 36 00-1527 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	522.00 39.70	231.61
26 05 36 00-1528 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	613.41 46.58	272.61
26 05 36 00-1529 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	692.89 52.49	308.61
26 05 36 00-1530 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1494)</small>		
26 05 36 00-1531 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	301.61 27.71	105.18
26 05 36 00-1532 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	375.84 33.00	140.22
26 05 36 00-1533 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	509.65 42.85	201.59
26 05 36 00-1534 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	617.49 49.70	257.57
26 05 36 00-1535 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	740.25 59.60	308.61
26 05 36 00-1536 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	848.00 67.78	356.58
26 05 36 00-1537 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1494)</small>		
26 05 36 00-1538 EA 6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	259.28 22.84	96.31
26 05 36 00-1539 EA 12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	330.15 26.87	135.87
26 05 36 00-1540 EA 18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	391.08 30.08	171.48
26 05 36 00-1541 EA 24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	474.22 36.02	210.66
26 05 36 00-1542 EA 30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	537.97 40.01	244.15
26 05 36 00-1543 EA 36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	589.48 43.07	272.13

26 Electrical
26 05 Common Work Results For Electrical
26 05 36 Cable Trays For Electrical Systems



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1544		90 Degree, 24" Radius Vertical Risers (26 05 36 00-1494)		
26 05 36 00-1545	EA	6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	306.88 29.27	100.55
26 05 36 00-1546	EA	12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	393.68 34.90	144.85
26 05 36 00-1547	EA	18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	474.04 40.22	185.38
26 05 36 00-1548	EA	24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	565.71 46.26	231.61
26 05 36 00-1549	EA	30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	642.90 51.09	272.13
26 05 36 00-1550	EA	36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	721.63 56.80	308.61
26 05 36 00-1551		90 Degree, 36" Radius Vertical Risers (26 05 36 00-1494)		
26 05 36 00-1552	EA	6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	364.50 37.17	105.09
26 05 36 00-1553	EA	12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	446.32 43.53	140.51
26 05 36 00-1554	EA	18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	567.53 51.53	201.59
26 05 36 00-1555	EA	24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	682.69 59.55	257.08
26 05 36 00-1556	EA	30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	791.25 67.25	308.61
26 05 36 00-1557	EA	36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	893.89 74.81	355.61
26 05 36 00-1558		12" Radius Horizontal Tees (26 05 36 00-1494)		
26 05 36 00-1559	EA	6" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	422.23 32.44	185.38
26 05 36 00-1560	EA	12" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	508.43 37.73	231.21
26 05 36 00-1561	EA	18" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	600.05 44.57	272.61
26 05 36 00-1562	EA	24" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	715.59 52.13	331.20
26 05 36 00-1563	EA	30" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	780.40 57.64	356.58
26 05 36 00-1564	EA	36" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	915.03 67.12	420.75
26 05 36 00-1565		24" Radius Horizontal Tees (26 05 36 00-1494)		
26 05 36 00-1566	EA	6" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	512.01 43.25	201.31
26 05 36 00-1567	EA	12" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	634.12 52.27	257.08
26 05 36 00-1568	EA	18" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	742.68 59.96	308.61
26 05 36 00-1569	EA	24" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	952.58 78.55	386.00
26 05 36 00-1570	EA	30" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,038.07 85.58	420.75
26 05 36 00-1571	EA	36" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,222.83 97.57	515.13
26 05 36 00-1572		36" Radius Horizontal Tees (26 05 36 00-1494)		
26 05 36 00-1573	EA	6" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	644.62 59.92	220.70
26 05 36 00-1574	EA	12" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	791.74 70.51	289.51
26 05 36 00-1575	EA	18" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	930.97 80.22	356.58
26 05 36 00-1576	EA	24" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,133.59 99.91	420.75
26 05 36 00-1577	EA	30" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,242.76 109.09	463.98
26 05 36 00-1578	EA	36" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,450.71 121.11	579.01
26 05 36 00-1579		12" Radius Vertical Tees (26 05 36 00-1494)		
26 05 36 00-1580	EA	6" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	495.08 43.37	185.38
26 05 36 00-1581	EA	12" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	580.28 48.44	231.61



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1582 EA 18" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	626.03 51.05	257.08
26 05 36 00-1583 EA 24" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	670.43 55.22	272.13
26 05 36 00-1584 EA 30" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	745.92 60.45	308.61
26 05 36 00-1585 EA 36" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	833.83 65.65	356.58
26 05 36 00-1586 24" Radius Vertical Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1587 EA 6" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	610.77 58.06	201.31
26 05 36 00-1588 EA 12" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	716.69 64.65	257.08
26 05 36 00-1589 EA 18" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	785.26 69.54	289.51
26 05 36 00-1590 EA 24" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	831.72 73.32	308.61
26 05 36 00-1591 EA 30" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	942.30 81.92	356.58
26 05 36 00-1592 EA 36" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,065.59 89.71	420.75
26 05 36 00-1593 36" Radius Vertical Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1594 EA 6" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	796.24 82.72	220.31
26 05 36 00-1595 EA 12" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	919.64 89.70	289.51
26 05 36 00-1596 EA 18" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,020.32 97.97	330.52
26 05 36 00-1597 EA 24" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,079.92 102.57	356.58
26 05 36 00-1598 EA 30" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,267.97 120.06	420.75
26 05 36 00-1599 EA 36" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,369.81 128.39	462.44
26 05 36 00-1600 12" Radius Horizontal Crosses <small>(26 05 36 00-1494)</small>		
26 05 36 00-1601 EA 6" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	522.00 39.70	231.61
26 05 36 00-1602 EA 12" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	601.67 44.82	272.61
26 05 36 00-1603 EA 18" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	724.04 53.53	330.52
26 05 36 00-1604 EA 24" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	837.63 61.31	386.00
26 05 36 00-1605 EA 30" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	987.73 71.08	462.44
26 05 36 00-1606 EA 36" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,096.55 78.63	515.13
26 05 36 00-1607 24" Radius Horizontal Crosses <small>(26 05 36 00-1494)</small>		
26 05 36 00-1608 EA 6" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	676.99 58.62	257.57
26 05 36 00-1609 EA 12" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	791.25 67.25	308.61
26 05 36 00-1610 EA 18" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	952.58 78.55	386.00
26 05 36 00-1611 EA 24" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,169.90 98.16	463.98
26 05 36 00-1612 EA 30" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,287.59 107.28	515.13
26 05 36 00-1613 EA 36" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,418.33 116.25	579.01
26 05 36 00-1614 36" Radius Horizontal Crosses <small>(26 05 36 00-1494)</small>		
26 05 36 00-1615 EA 6" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	887.26 84.84	289.51
26 05 36 00-1616 EA 12" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,039.44 96.49	356.58
26 05 36 00-1617 EA 18" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,258.95 111.52	463.98
26 05 36 00-1618 EA 24" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,433.30 129.14	515.13
26 05 36 00-1619 EA 30" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,588.32 141.75	579.01
26 05 36 00-1620 EA 36" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,765.41 154.65	660.94

26 Electrical

26 05 Common Work Results For Electrical

26 05 36 Cable Trays For Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1621			Straight Reducers <small>(26 05 36 00-1494)</small>		
26 05 36 00-1622	EA		12"-6" Reducer, Solid Bottom, Steel Cable Tray.....	208.00	77.20
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	18.33	
26 05 36 00-1623	EA		18"-12" Reducer, Solid Bottom, Steel Cable Tray.....	226.37	87.24
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	19.41	
26 05 36 00-1624	EA		24"-18" Reducer, Solid Bottom, Steel Cable Tray.....	251.73	100.55
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	21.01	
26 05 36 00-1625	EA		30"-24" Reducer, Solid Bottom, Steel Cable Tray.....	283.66	115.80
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	23.25	
26 05 36 00-1626	EA		36"-30" Reducer, Solid Bottom, Steel Cable Tray.....	307.97	128.45
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	24.79	
26 05 36 00-1627			Reducers <small>(26 05 36 00-1494)</small>		
26 05 36 00-1628	EA		18"-6" Reducer, Solid Bottom, Steel Cable Tray.....	226.46	87.34
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	19.42	
26 05 36 00-1629	EA		24"-12" Reducer, Solid Bottom, Steel Cable Tray.....	250.45	100.74
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	20.78	
26 05 36 00-1630	EA		30"-12" Reducer, Solid Bottom, Steel Cable Tray.....	280.28	115.70
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	22.76	
26 05 36 00-1631	EA		30"-18" Reducer, Solid Bottom, Steel Cable Tray.....	281.73	115.61
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	22.99	
26 05 36 00-1632	EA		36"-12" Reducer, Solid Bottom, Steel Cable Tray.....	306.35	128.45
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	24.55	
26 05 36 00-1633	EA		36"-18" Reducer, Solid Bottom, Steel Cable Tray.....	307.97	128.45
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	24.79	
26 05 36 00-1634	EA		36"-24" Reducer, Solid Bottom, Steel Cable Tray.....	309.97	128.64
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	25.05	
26 05 36 00-1635			Dropout Or End Plate <small>(26 05 36 00-1494)</small>		
26 05 36 00-1636	EA		6" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	64.76	28.95
26 05 36 00-1637	EA		12" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	79.43	35.32
26 05 36 00-1638	EA		18" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	91.88	41.88
26 05 36 00-1639	EA		24" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	103.18	46.32
26 05 36 00-1640	EA		30" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	114.84	51.44
26 05 36 00-1641	EA		36" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	127.68	57.90
26 05 36 00-1642			Solid Bottom Aluminum Straight Cable Tray Sections <small>(26 05 36 00-1486)</small>		
26 05 36 00-1643	LF		6" Solid Bottom Aluminum Cable Tray, Straight Section.....	26.88	6.08
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	3.02	
26 05 36 00-1644	LF		12" Solid Bottom Aluminum Cable Tray, Straight Section.....	33.82	7.14
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	3.89	
26 05 36 00-1645	LF		18" Solid Bottom Aluminum Cable Tray, Straight Section.....	43.07	9.27
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	4.91	
26 05 36 00-1646	LF		24" Solid Bottom Aluminum Cable Tray, Straight Section.....	51.77	10.23
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	6.07	
26 05 36 00-1647	LF		30" Solid Bottom Aluminum Cable Tray, Straight Section.....	63.03	13.23
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	7.25	
26 05 36 00-1648	LF		36" Solid Bottom Steel Aluminum Tray, Straight Section.....	75.69	14.48
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	8.94	
26 05 36 00-1649			Solid Bottom Aluminum Cable Tray Fittings <small>(26 05 36 00-1486)</small>		
26 05 36 00-1650			90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1649)</small>		
26 05 36 00-1651	EA		6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	295.53	96.60
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	28.24	
26 05 36 00-1652	EA		12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	354.14	121.59
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	32.85	
26 05 36 00-1653	EA		18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	412.02	136.16
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	39.11	
26 05 36 00-1654	EA		24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	478.98	159.91
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	45.19	
26 05 36 00-1655	EA		30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	567.97	185.58
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	54.27	
26 05 36 00-1656	EA		36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	641.39	210.66
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	61.09	
26 05 36 00-1657			90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1649)</small>		
26 05 36 00-1658	EA		6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	359.02	100.55
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	37.09	
26 05 36 00-1659	EA		12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	441.76	128.83
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	44.80	
26 05 36 00-1660	EA		18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	499.92	144.75
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	50.86	
26 05 36 00-1661	EA		24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	605.50	171.48
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	62.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1662 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	700.99 71.64	201.02
26 05 36 00-1663 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	806.60 82.39	231.61
26 05 36 00-1664 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1649)</small>		
26 05 36 00-1665 EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	458.98 51.34	105.09
26 05 36 00-1666 EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	568.07 62.47	136.45
26 05 36 00-1667 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	661.52 73.45	154.69
26 05 36 00-1668 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	741.72 80.41	185.09
26 05 36 00-1669 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	857.77 91.89	220.70
26 05 36 00-1670 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,001.86 107.50	256.69
26 05 36 00-1671 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1649)</small>		
26 05 36 00-1672 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	266.03 23.80	96.60
26 05 36 00-1673 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	320.83 27.85	121.59
26 05 36 00-1674 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	371.10 32.99	136.07
26 05 36 00-1675 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	431.66 38.15	159.62
26 05 36 00-1676 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	511.06 45.73	185.58
26 05 36 00-1677 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	576.52 51.46	210.08
26 05 36 00-1678 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1649)</small>		
26 05 36 00-1679 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	317.04 30.78	100.65
26 05 36 00-1680 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	391.61 37.30	128.64
26 05 36 00-1681 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	443.49 42.35	145.04
26 05 36 00-1682 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	535.18 51.69	171.48
26 05 36 00-1683 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	621.43 59.61	201.59
26 05 36 00-1684 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	714.07 68.51	231.61
26 05 36 00-1685 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1649)</small>		
26 05 36 00-1686 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	396.77 41.98	105.18
26 05 36 00-1687 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	492.69 51.21	136.16
26 05 36 00-1688 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	572.69 60.13	154.69
26 05 36 00-1689 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	647.21 66.15	185.58
26 05 36 00-1690 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	749.97 75.72	220.70
26 05 36 00-1691 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	877.09 88.64	257.57
26 05 36 00-1692 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1649)</small>		
26 05 36 00-1693 EA 6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	320.35 32.00	96.31
26 05 36 00-1694 EA 12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	368.87 35.06	121.59
26 05 36 00-1695 EA 18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	414.13 39.42	136.16
26 05 36 00-1696 EA 24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	464.26 42.98	159.91
26 05 36 00-1697 EA 30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	519.60 47.01	185.58
26 05 36 00-1698 EA 36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	566.76 50.00	210.08
26 05 36 00-1699 90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1649)</small>		

26 Electrical
26 05 Common Work Results For Electrical
26 05 36 Cable Trays For Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1700	EA		6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	394.77	100.55
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	42.45	
26 05 36 00-1701	EA		12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	460.69	128.83
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	47.64	
26 05 36 00-1702	EA		18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	506.23	144.75
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	51.81	
26 05 36 00-1703	EA		24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	573.96	171.48
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	57.51	
26 05 36 00-1704	EA		30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	640.00	201.02
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	62.49	
26 05 36 00-1705	EA		36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	722.48	231.61
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	69.77	
26 05 36 00-1706 90 Degree, 36" Radius Vertical Risers (26 05 36 00-1649)					
26 05 36 00-1707	EA		6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	473.70	105.09
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	53.55	
26 05 36 00-1708	EA		12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	563.87	136.45
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	61.84	
26 05 36 00-1709	EA		18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	623.67	154.69
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	67.78	
26 05 36 00-1710	EA		24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	689.15	185.09
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	72.52	
26 05 36 00-1711	EA		30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	788.37	220.70
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	81.48	
26 05 36 00-1712	EA		36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	865.17	256.69
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	87.00	
26 05 36 00-1713 12" Radius Horizontal Tees (26 05 36 00-1649)					
26 05 36 00-1714	EA		6" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	517.10	185.38
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	46.68	
26 05 36 00-1715	EA		12" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	602.51	210.08
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	55.36	
26 05 36 00-1716	EA		18" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	669.90	231.61
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	61.89	
26 05 36 00-1717	EA		24" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	746.83	257.57
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	69.10	
26 05 36 00-1718	EA		30" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	880.32	308.61
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	80.61	
26 05 36 00-1719	EA		36" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	1,063.95	386.00
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	95.26	
26 05 36 00-1720 24" Radius Horizontal Tees (26 05 36 00-1649)					
26 05 36 00-1721	EA		6" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	678.33	201.31
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	68.20	
26 05 36 00-1722	EA		12" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	772.95	231.61
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	77.34	
26 05 36 00-1723	EA		18" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	865.93	257.08
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	87.04	
26 05 36 00-1724	EA		24" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	1,050.66	308.61
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	106.16	
26 05 36 00-1725	EA		30" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	1,253.22	386.00
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	123.65	
26 05 36 00-1726	EA		36" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	1,386.83	422.00
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	137.69	
26 05 36 00-1727 36" Radius Horizontal Tees (26 05 36 00-1649)					
26 05 36 00-1728	EA		6" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	925.06	220.70
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	101.98	
26 05 36 00-1729	EA		12" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	1,038.38	257.08
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	112.91	
26 05 36 00-1730	EA		18" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	1,187.01	289.51
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	129.80	
26 05 36 00-1731	EA		24" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	1,412.92	355.61
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	152.66	
26 05 36 00-1732	EA		30" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	1,677.53	463.98
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	174.30	
26 05 36 00-1733	EA		36" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	1,867.99	515.13
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	194.34	
26 05 36 00-1734 12" Radius Vertical Tees (26 05 36 00-1649)					
26 05 36 00-1735	EA		6" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	605.42	185.38
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	59.92	
26 05 36 00-1736	EA		12" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	653.49	210.37
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	62.96	
26 05 36 00-1737	EA		18" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	682.66	220.31
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	65.68	
26 05 36 00-1738	EA		24" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	721.87	231.21
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	69.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1739 EA 30" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	794.43 76.31	257.08
26 05 36 00-1740 EA 36" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	901.35 83.76	308.61
26 05 36 00-1741 24" Radius Vertical Tees <small>(26 05 36 00-1649)</small>		
26 05 36 00-1742 EA 6" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	772.96 82.39	201.31
26 05 36 00-1743 EA 12" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	848.66 88.70	231.61
26 05 36 00-1744 EA 18" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	900.35 94.44	243.67
26 05 36 00-1745 EA 24" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	964.77 101.86	257.08
26 05 36 00-1746 EA 30" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,071.35 112.45	289.51
26 05 36 00-1747 EA 36" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,213.14 122.70	355.61
26 05 36 00-1748 36" Radius Vertical Tees <small>(26 05 36 00-1649)</small>		
26 05 36 00-1749 EA 6" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,050.68 120.88	220.31
26 05 36 00-1750 EA 12" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,138.26 128.41	253.99
26 05 36 00-1751 EA 18" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,210.55 136.23	272.13
26 05 36 00-1752 EA 24" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,260.61 140.84	289.51
26 05 36 00-1753 EA 30" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,392.00 153.72	330.52
26 05 36 00-1754 EA 36" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	793.85 48.95	420.75
26 05 36 00-1755 12" Radius Horizontal Crosses <small>(26 05 36 00-1649)</small>		
26 05 36 00-1756 EA 6" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	615.64 57.28	210.37
26 05 36 00-1757 EA 12" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	684.62 64.09	231.61
26 05 36 00-1758 EA 18" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	794.16 73.78	272.13
26 05 36 00-1759 EA 24" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	937.76 85.58	330.52
26 05 36 00-1760 EA 30" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,030.18 95.25	355.61
26 05 36 00-1761 EA 36" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,187.05 107.72	422.00
26 05 36 00-1762 24" Radius Horizontal Crosses <small>(26 05 36 00-1649)</small>		
26 05 36 00-1763 EA 6" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	849.28 88.73	231.99
26 05 36 00-1764 EA 12" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	964.77 101.86	257.08
26 05 36 00-1765 EA 18" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,096.93 113.10	308.61
26 05 36 00-1766 EA 24" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,349.56 137.93	387.06
26 05 36 00-1767 EA 30" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,481.46 151.88	422.00
26 05 36 00-1768 EA 36" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,668.21 164.38	515.13
26 05 36 00-1769 36" Radius Horizontal Crosses <small>(26 05 36 00-1649)</small>		
26 05 36 00-1770 EA 6" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,217.13 139.72	257.08
26 05 36 00-1771 EA 12" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,334.22 151.88	289.51
26 05 36 00-1772 EA 18" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,540.56 171.66	356.58
26 05 36 00-1773 EA 24" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,803.71 193.23	463.98
26 05 36 00-1774 EA 30" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,973.14 210.12	515.13
26 05 36 00-1775 EA 36" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	2,268.86 243.83	579.01
26 05 36 00-1776 Straight Reducers <small>(26 05 36 00-1649)</small>		

26 Electrical

26 05 Common Work Results For Electrical

26 05 36 Cable Trays For Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1777	EA		12"-6" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	240.75 25.08	66.20
26 05 36 00-1778	EA		18"-12" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	263.06 26.61	77.11
26 05 36 00-1779	EA		24"-18" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	288.42 28.72	87.24
26 05 36 00-1780	EA		30"-24" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	323.39 31.73	100.65
26 05 36 00-1781	EA		36"-30" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	356.72 34.24	115.61
26 05 36 00-1782 Reducers <small>(26 05 36 00-1649)</small>					
26 05 36 00-1783	EA		18"-6" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	261.02 26.30	77.11
26 05 36 00-1784	EA		24"-12" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	286.58 28.42	87.43
26 05 36 00-1785	EA		30"-12" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	319.06 31.09	100.55
26 05 36 00-1786	EA		30"-18" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	321.06 31.41	100.55
26 05 36 00-1787	EA		36"-12" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	356.72 34.24	115.61
26 05 36 00-1788	EA		36"-18" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	358.83 34.56	115.61
26 05 36 00-1789	EA		36"-24" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	363.34 35.20	115.80
26 05 36 00-1790 Dropout Or End Plate <small>(26 05 36 00-1649)</small>					
26 05 36 00-1791	EA		6" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	74.85	28.95
26 05 36 00-1792	EA		12" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	88.94	35.32
26 05 36 00-1793	EA		18" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	105.82	41.88
26 05 36 00-1794	EA		24" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	116.84	46.32
26 05 36 00-1795	EA		30" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	131.97	51.44
26 05 36 00-1796	EA		36" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	150.14	57.90
26 05 36 00-1797 Vented Bottom Cable Tray <small>(26 05 36 00-0001)</small> Note: 6" Height.					
26 05 36 00-1798 Vented Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-1797)</small>					
26 05 36 00-1799	LF		6" Vented Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	29.66 -2.12	10.13
26 05 36 00-1800	LF		12" Vented Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	34.81 -2.52	11.58
26 05 36 00-1801	LF		18" Vented Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	40.91 -2.98	13.32
26 05 36 00-1802	LF		24" Vented Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	46.95 -3.42	15.25
26 05 36 00-1803	LF		30" Vented Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	61.58 -4.62	18.44
26 05 36 00-1804	LF		36" Vented Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	73.14 -5.38	23.16
26 05 36 00-1805 Vented Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-1797)</small>					
26 05 36 00-1806 90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>					
26 05 36 00-1807	EA		6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	281.73 -18.01	121.97
26 05 36 00-1808	EA		12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	368.24 -23.07	165.02
26 05 36 00-1809	EA		18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	457.75 -28.24	210.37
26 05 36 00-1810	EA		24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	561.30 -34.67	257.57
26 05 36 00-1811	EA		30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	633.11 -39.14	290.09
26 05 36 00-1812	EA		36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	725.17 -44.91	331.20
26 05 36 00-1813 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>					
26 05 36 00-1814	EA		6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	330.15 -22.30	128.54
26 05 36 00-1815	EA		12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	430.60 -28.20	178.24
26 05 36 00-1816	EA		18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	547.36 -35.44	231.61
26 05 36 00-1817	EA		24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	664.41 -42.32	289.51



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1818	EA		30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	708.23 -45.90	299.05
26 05 36 00-1819	EA		36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	886.86 -56.52	386.00
26 05 36 00-1820			90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1821	EA		6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	399.63 -28.64	135.87
26 05 36 00-1822	EA		12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	520.14 -35.91	193.29
26 05 36 00-1823	EA		18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	666.92 -45.23	257.57
26 05 36 00-1824	EA		24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	801.65 -52.62	330.52
26 05 36 00-1825	EA		30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	925.00 -60.33	386.00
26 05 36 00-1826	EA		36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,084.70 -69.93	462.44
26 05 36 00-1827			45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1828	EA		6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	264.64 -16.29	122.07
26 05 36 00-1829	EA		12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	347.75 -21.02	165.02
26 05 36 00-1830	EA		18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	433.68 -25.86	210.08
26 05 36 00-1831	EA		24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	531.49 -31.72	257.08
26 05 36 00-1832	EA		30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	600.19 -35.85	290.09
26 05 36 00-1833	EA		36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	685.83 -41.04	330.52
26 05 36 00-1834			45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1835	EA		6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	304.84 -19.76	128.64
26 05 36 00-1836	EA		12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	401.23 -25.27	178.24
26 05 36 00-1837	EA		18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	512.48 -31.92	231.99
26 05 36 00-1838	EA		24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	624.39 -38.31	289.51
26 05 36 00-1839	EA		30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	715.69 -43.97	331.20
26 05 36 00-1840	EA		36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	833.29 -51.16	386.00
26 05 36 00-1841			45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1842	EA		6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	361.98 -24.85	136.16
26 05 36 00-1843	EA		12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	475.72 -31.51	192.71
26 05 36 00-1844	EA		18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	614.64 -40.00	257.57
26 05 36 00-1845	EA		24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	747.73 -47.17	331.20
26 05 36 00-1846	EA		30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	863.04 -54.14	386.00
26 05 36 00-1847	EA		36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,018.11 -63.15	463.98
26 05 36 00-1848			90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1805)</small>		
26 05 36 00-1849	EA		6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	303.95 -20.26	121.59
26 05 36 00-1850	EA		12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	388.04 -25.05	165.02
26 05 36 00-1851	EA		18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	465.08 -28.98	210.37
26 05 36 00-1852	EA		24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	559.84 -34.52	257.57
26 05 36 00-1853	EA		30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	616.97 -37.52	290.09
26 05 36 00-1854	EA		36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	691.64 -41.62	330.52
26 05 36 00-1855			90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1805)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1856 EA 6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	359.49 -25.24	128.54
26 05 36 00-1857 EA 12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	451.14 -30.26	178.24
26 05 36 00-1858 EA 18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	556.16 -36.32	231.61
26 05 36 00-1859 EA 24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	658.54 -41.73	289.51
26 05 36 00-1860 EA 30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	748.85 -47.34	330.52
26 05 36 00-1861 EA 36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	850.19 -52.85	386.00
26 05 36 00-1862 90 Degree, 36" Radius Vertical Risers (26 05 36 00-1805)		
26 05 36 00-1863 EA 6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	423.10 -30.98	135.87
26 05 36 00-1864 EA 12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	530.40 -36.94	193.29
26 05 36 00-1865 EA 18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	661.05 -44.64	257.57
26 05 36 00-1866 EA 24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	798.72 -52.33	330.52
26 05 36 00-1867 EA 30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	897.13 -57.55	386.00
26 05 36 00-1868 EA 36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,052.43 -66.70	462.44
26 05 36 00-1869 12" Radius Horizontal Tees (26 05 36 00-1805)		
26 05 36 00-1870 EA 6" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	504.82 -31.18	231.61
26 05 36 00-1871 EA 12" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	613.57 -37.28	288.93
26 05 36 00-1872 EA 18" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	701.70 -42.57	331.20
26 05 36 00-1873 EA 24" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	816.45 -49.48	386.00
26 05 36 00-1874 EA 30" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	899.36 -54.87	420.75
26 05 36 00-1875 EA 36" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	987.89 -60.25	462.44
26 05 36 00-1876 24" Radius Horizontal Tees (26 05 36 00-1805)		
26 05 36 00-1877 EA 6" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	625.08 -41.08	257.08
26 05 36 00-1878 EA 12" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	764.98 -48.96	330.52
26 05 36 00-1879 EA 18" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	882.46 -56.08	386.00
26 05 36 00-1880 EA 24" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,081.77 -69.64	462.44
26 05 36 00-1881 EA 30" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,195.95 -76.67	515.13
26 05 36 00-1882 EA 36" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,337.61 -85.51	579.01
26 05 36 00-1883 36" Radius Horizontal Tees (26 05 36 00-1805)		
26 05 36 00-1884 EA 6" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	764.16 -52.29	289.51
26 05 36 00-1885 EA 12" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	964.61 -64.29	386.00
26 05 36 00-1886 EA 18" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,123.85 -73.72	463.98
26 05 36 00-1887 EA 24" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,387.49 -90.50	579.01
26 05 36 00-1888 EA 30" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,554.08 -100.07	664.03
26 05 36 00-1889 EA 36" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,811.36 -116.97	769.99
26 05 36 00-1890 12" Radius Vertical Tees (26 05 36 00-1805)		
26 05 36 00-1891 EA 6" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	584.04 -39.10	231.61
26 05 36 00-1892 EA 12" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	683.48 -44.22	289.51
26 05 36 00-1893 EA 18" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	719.77 -46.26	308.61
26 05 36 00-1894 EA 24" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	767.92 -49.25	330.52



	MINOR		DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM					
26 05 36 00-1895	EA		30" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		824.53 -52.74	356.58
26 05 36 00-1896	EA		36" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		936.03 -58.54	420.75
26 05 36 00-1897			24" Radius Vertical Tees <small>(26 05 36 00-1805)</small>			
26 05 36 00-1898	EA		6" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		694.02 -47.98	257.08
26 05 36 00-1899	EA		12" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		829.53 -55.41	330.52
26 05 36 00-1900	EA		18" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		886.14 -58.90	356.58
26 05 36 00-1901	EA		24" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		957.27 -63.56	386.00
26 05 36 00-1902	EA		30" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		1,031.38 -68.07	420.75
26 05 36 00-1903	EA		36" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		1,216.49 -78.72	515.13
26 05 36 00-1904			36" Radius Vertical Tees <small>(26 05 36 00-1805)</small>			
26 05 36 00-1905	EA		6" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		904.03 -66.33	288.93
26 05 36 00-1906	EA		12" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		1,076.09 -75.44	386.00
26 05 36 00-1907	EA		18" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		1,148.73 -79.81	420.75
26 05 36 00-1908	EA		24" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		1,250.00 -86.34	463.98
26 05 36 00-1909	EA		30" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		1,408.66 -97.94	515.13
26 05 36 00-1910	EA		36" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		1,659.05 -110.82	660.94
26 05 36 00-1911			12" Radius Horizontal Crosses <small>(26 05 36 00-1805)</small>			
26 05 36 00-1912	EA		6" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		635.07 -39.38	289.51
26 05 36 00-1913	EA		12" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		706.10 -43.01	331.20
26 05 36 00-1914	EA		18" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		814.98 -49.33	386.00
26 05 36 00-1915	EA		24" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		951.21 -56.58	462.44
26 05 36 00-1916	EA		30" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		1,057.95 -63.02	513.30
26 05 36 00-1917	EA		36" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		1,192.38 -70.99	579.01
26 05 36 00-1918			24" Radius Horizontal Crosses <small>(26 05 36 00-1805)</small>			
26 05 36 00-1919	EA		6" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		791.18 -51.51	331.20
26 05 36 00-1920	EA		12" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		894.19 -57.25	386.00
26 05 36 00-1921	EA		18" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		1,046.56 -66.12	462.44
26 05 36 00-1922	EA		24" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		1,315.61 -83.31	579.01
26 05 36 00-1923	EA		30" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		1,488.89 -93.81	660.94
26 05 36 00-1924	EA		36" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		1,694.01 -105.24	769.99
26 05 36 00-1925			36" Radius Horizontal Crosses <small>(26 05 36 00-1805)</small>			
26 05 36 00-1926	EA		6" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		1,046.76 -72.51	386.00
26 05 36 00-1927	EA		12" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		1,197.19 -81.06	463.98
26 05 36 00-1928	EA		18" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		1,397.75 -91.52	579.01
26 05 36 00-1929	EA		24" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		1,810.89 -116.58	774.04
26 05 36 00-1930	EA		30" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		2,118.60 -134.54	927.86
26 05 36 00-1931	EA		36" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>		2,546.14 -158.11	1,158.02
26 05 36 00-1932			Straight Reducers <small>(26 05 36 00-1805)</small>			

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1933 EA 12"-6" Reducer, Vented Bottom, Steel Cable Tray	238.43	98.63
For 4-5/8" Overall Height Instead Of 6", Deduct	-15.63	
26 05 36 00-1934 EA 18"-12" Reducer, Vented Bottom, Steel Cable Tray	260.61	110.20
For 4-5/8" Overall Height Instead Of 6", Deduct	-16.88	
26 05 36 00-1935 EA 24"-18" Reducer, Vented Bottom, Steel Cable Tray	296.22	128.45
For 4-5/8" Overall Height Instead Of 6", Deduct	-18.92	
26 05 36 00-1936 EA 30"-24" Reducer, Vented Bottom, Steel Cable Tray	326.33	144.75
For 4-5/8" Overall Height Instead Of 6", Deduct	-20.57	
26 05 36 00-1937 EA 36"-30" Reducer, Vented Bottom, Steel Cable Tray	356.65	159.42
For 4-5/8" Overall Height Instead Of 6", Deduct	-22.38	
26 05 36 00-1938 Reducers (26 05 36 00-1805)		
26 05 36 00-1939 EA 18"-6" Reducer, Vented Bottom, Steel Cable Tray	260.61	110.20
For 4-5/8" Overall Height Instead Of 6", Deduct	-16.88	
26 05 36 00-1940 EA 24"-12" Reducer, Vented Bottom, Steel Cable Tray	295.13	128.64
For 4-5/8" Overall Height Instead Of 6", Deduct	-18.79	
26 05 36 00-1941 EA 30"-12" Reducer, Vented Bottom, Steel Cable Tray	324.63	144.56
For 4-5/8" Overall Height Instead Of 6", Deduct	-20.41	
26 05 36 00-1942 EA 30"-18" Reducer, Vented Bottom, Steel Cable Tray	325.85	144.47
For 4-5/8" Overall Height Instead Of 6", Deduct	-20.55	
26 05 36 00-1943 EA 36"-12" Reducer, Vented Bottom, Steel Cable Tray	355.18	159.42
For 4-5/8" Overall Height Instead Of 6", Deduct	-22.23	
26 05 36 00-1944 EA 36"-18" Reducer, Vented Bottom, Steel Cable Tray	356.65	159.42
For 4-5/8" Overall Height Instead Of 6", Deduct	-22.38	
26 05 36 00-1945 EA 36"-24" Reducer, Vented Bottom, Steel Cable Tray	358.70	159.81
For 4-5/8" Overall Height Instead Of 6", Deduct	-22.56	
26 05 36 00-1946 Dropout Or End Plate (26 05 36 00-1805)		
26 05 36 00-1947 EA 6" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	77.03	35.61
26 05 36 00-1948 EA 12" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	91.22	41.78
26 05 36 00-1949 EA 18" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	100.57	46.13
26 05 36 00-1950 EA 24" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	113.00	51.44
26 05 36 00-1951 EA 30" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	125.58	57.80
26 05 36 00-1952 EA 36" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	147.48	69.09
26 05 36 00-1953 Vented Bottom Aluminum Cable Tray (26 05 36 00-1797)		
26 05 36 00-1954 LF 6" Vented Bottom Aluminum Cable Tray, Straight Section	34.70	7.52
For 4-5/8" Overall Height Instead Of 6", Deduct	-2.84	
26 05 36 00-1955 LF 9" Vented Bottom Aluminum Cable Tray, Straight Section	38.59	8.30
For 4-5/8" Overall Height Instead Of 6", Deduct	-3.17	
26 05 36 00-1956 LF 12" Vented Bottom Aluminum Cable Tray, Straight Section	43.17	9.27
For 4-5/8" Overall Height Instead Of 6", Deduct	-3.55	
26 05 36 00-1957 LF 18" Vented Bottom Aluminum Cable Tray, Straight Section	50.49	10.33
For 4-5/8" Overall Height Instead Of 6", Deduct	-4.19	
26 05 36 00-1958 LF 24" Vented Bottom Aluminum Cable Tray, Straight Section	58.20	11.48
For 4-5/8" Overall Height Instead Of 6", Deduct	-4.87	
26 05 36 00-1959 LF 30" Vented Bottom Aluminum Cable Tray, Straight Section	74.59	13.23
For 4-5/8" Overall Height Instead Of 6", Deduct	-6.36	
26 05 36 00-1960 LF 36" Vented Bottom Aluminum Cable Tray, Straight Section	82.60	15.54
For 4-5/8" Overall Height Instead Of 6", Deduct	-6.97	
26 05 36 00-1961 Vented Bottom Aluminum Cable Tray Fittings (26 05 36 00-1797)		
26 05 36 00-1962 90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1961)		
26 05 36 00-1963 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	348.36	121.97
For 4-5/8" Overall Height Instead Of 6", Deduct	-24.67	
26 05 36 00-1964 EA 9" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	378.44	132.40
For 4-5/8" Overall Height Instead Of 6", Deduct	-26.81	
26 05 36 00-1965 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	416.70	149.10
For 4-5/8" Overall Height Instead Of 6", Deduct	-29.25	
26 05 36 00-1966 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	470.99	165.21
For 4-5/8" Overall Height Instead Of 6", Deduct	-33.33	
26 05 36 00-1967 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	563.13	201.59
For 4-5/8" Overall Height Instead Of 6", Deduct	-39.51	
26 05 36 00-1968 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	666.32	231.99
For 4-5/8" Overall Height Instead Of 6", Deduct	-47.30	
26 05 36 00-1969 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	734.21	257.57
For 4-5/8" Overall Height Instead Of 6", Deduct	-51.96	
26 05 36 00-1970 90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1961)		
26 05 36 00-1971 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	424.56	128.54
For 4-5/8" Overall Height Instead Of 6", Deduct	-31.74	
26 05 36 00-1972 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	512.33	159.81
For 4-5/8" Overall Height Instead Of 6", Deduct	-37.92	
26 05 36 00-1973 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	581.01	178.24
For 4-5/8" Overall Height Instead Of 6", Deduct	-43.25	
26 05 36 00-1974 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	691.07	220.31
For 4-5/8" Overall Height Instead Of 6", Deduct	-50.75	



	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 05 36 00-1975 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	797.88	256.69
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-58.40	
	26 05 36 00-1976 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	882.08	289.51
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-64.08	
26 05 36 00-1977	90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
	26 05 36 00-1978 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	523.05	135.87
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-40.98	
	26 05 36 00-1979 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	624.77	171.68
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-48.17	
	26 05 36 00-1980 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	706.95	193.29
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-54.59	
	26 05 36 00-1981 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	826.75	243.67
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-62.37	
	26 05 36 00-1982 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	887.77	236.14
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-69.10	
	26 05 36 00-1983 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,087.07	330.52
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-81.17	
26 05 36 00-1984	45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
	26 05 36 00-1985 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	316.60	122.07
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-21.49	
	26 05 36 00-1986 EA 9" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	343.94	132.59
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-23.35	
	26 05 36 00-1987 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	379.69	149.10
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-25.55	
	26 05 36 00-1988 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	427.64	165.02
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-29.01	
	26 05 36 00-1989 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	512.70	201.31
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-34.49	
	26 05 36 00-1990 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	604.78	231.99
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-41.15	
	26 05 36 00-1991 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	666.36	257.08
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-45.21	
26 05 36 00-1992	45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
	26 05 36 00-1993 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	378.48	128.64
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-27.13	
	26 05 36 00-1994 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	458.20	159.81
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-32.51	
	26 05 36 00-1995 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	518.92	178.52
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-37.02	
	26 05 36 00-1996 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	620.38	220.70
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-43.65	
	26 05 36 00-1997 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	717.98	257.57
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-50.33	
	26 05 36 00-1998 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	794.17	289.51
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-55.29	
26 05 36 00-1999	45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
	26 05 36 00-2000 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	458.25	136.16
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-34.48	
	26 05 36 00-2001 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	549.60	171.29
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-40.68	
	26 05 36 00-2002 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	622.28	193.29
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-46.12	
	26 05 36 00-2003 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	734.90	244.15
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-53.15	
	26 05 36 00-2004 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	839.82	272.61
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-61.27	
	26 05 36 00-2005 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	970.35	331.20
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-69.43	
26 05 36 00-2006	90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1961)</small>		
	26 05 36 00-2007 EA 6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	379.38	121.59
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-27.80	
	26 05 36 00-2008 EA 9" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	407.29	132.11
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-29.72	
	26 05 36 00-2009 EA 12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	437.73	149.10
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-31.35	
	26 05 36 00-2010 EA 18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	470.99	165.21
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-33.33	
	26 05 36 00-2011 EA 24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	552.62	201.59
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-38.46	
	26 05 36 00-2012 EA 30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	613.74	231.99
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-42.04	
	26 05 36 00-2013 EA 36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	657.74	257.08
	<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-44.35	

26 Electrical
26 05 Common Work Results For Electrical
26 05 36 Cable Trays For Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2014			90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1961)</small>		
26 05 36 00-2015	EA		6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	451.90	128.54
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-34.48	
26 05 36 00-2016	EA		12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	524.95	159.81
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-39.18	
26 05 36 00-2017	EA		18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	578.91	178.24
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-43.04	
26 05 36 00-2018	EA		24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	653.78	220.70
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-46.99	
26 05 36 00-2019	EA		30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	729.24	257.08
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-51.50	
26 05 36 00-2020	EA		36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	797.96	289.51
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-55.67	
26 05 36 00-2021			90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1961)</small>		
26 05 36 00-2022	EA		6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	520.95	135.87
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-40.77	
26 05 36 00-2023	EA		12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	601.64	171.68
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-45.85	
26 05 36 00-2024	EA		18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	675.40	193.29
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-51.44	
26 05 36 00-2025	EA		24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	788.89	243.67
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-58.58	
26 05 36 00-2026	EA		30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	874.94	272.61
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-64.78	
26 05 36 00-2027	EA		36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	984.02	330.52
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-70.86	
26 05 36 00-2028			12" Radius Horizontal Tees <small>(26 05 36 00-1961)</small>		
26 05 36 00-2029	EA		6" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	606.81	231.61
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-41.38	
26 05 36 00-2030	EA		9" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	633.27	243.67
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-43.02	
26 05 36 00-2031	EA		12" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	673.80	256.69
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-45.99	
26 05 36 00-2032	EA		18" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	769.49	290.09
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-52.78	
26 05 36 00-2033	EA		24" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	878.88	330.52
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-60.35	
26 05 36 00-2034	EA		30" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	994.55	386.00
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-67.29	
26 05 36 00-2035	EA		36" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,100.89	420.75
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-75.02	
26 05 36 00-2036			24" Radius Horizontal Tees <small>(26 05 36 00-1961)</small>		
26 05 36 00-2037	EA		6" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	764.99	257.08
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-55.07	
26 05 36 00-2038	EA		12" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	864.29	288.93
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-62.35	
26 05 36 00-2039	EA		18" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	971.41	330.52
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-69.60	
26 05 36 00-2040	EA		24" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,167.38	384.95
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-84.66	
26 05 36 00-2041	EA		30" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,341.06	463.98
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-95.44	
26 05 36 00-2042	EA		36" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,521.00	515.13
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-109.17	
26 05 36 00-2043			36" Radius Horizontal Tees <small>(26 05 36 00-1961)</small>		
26 05 36 00-2044	EA		6" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,022.98	289.51
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-78.17	
26 05 36 00-2045	EA		12" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,171.19	330.52
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-89.58	
26 05 36 00-2046	EA		18" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,241.81	322.41
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-97.32	
26 05 36 00-2047	EA		24" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,590.94	462.44
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-120.56	
26 05 36 00-2048	EA		30" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,841.63	581.33
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-135.72	
26 05 36 00-2049	EA		36" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,111.05	660.94
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-156.02	
26 05 36 00-2050			12" Radius Vertical Tees <small>(26 05 36 00-1961)</small>		
26 05 36 00-2051	EA		6" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	688.83	231.61
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-49.58	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2052	EA	9" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	711.08 -50.80	243.67
26 05 36 00-2053	EA	12" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	756.58 -54.23	257.08
26 05 36 00-2054	EA	18" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	784.51 -55.73	272.61
26 05 36 00-2055	EA	24" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	820.13 -57.94	288.93
26 05 36 00-2056	EA	30" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	867.70 -61.05	308.61
26 05 36 00-2057	EA	36" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	960.78 -66.44	355.61
26 05 36 00-2058 24" Radius Vertical Tees <small>(26 05 36 00-1961)</small>				
26 05 36 00-2059	EA	6" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	857.52 -64.33	257.08
26 05 36 00-2060	EA	12" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	944.21 -70.34	288.93
26 05 36 00-2061	EA	18" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,008.60 -75.14	308.61
26 05 36 00-2062	EA	24" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,076.56 -80.12	330.52
26 05 36 00-2063	EA	30" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,160.57 -86.42	355.61
26 05 36 00-2064	EA	36" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,281.68 -93.00	422.00
26 05 36 00-2065 36" Radius Vertical Tees <small>(26 05 36 00-1961)</small>				
26 05 36 00-2066	EA	6" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,143.99 -90.32	288.93
26 05 36 00-2067	EA	12" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,255.31 -97.99	330.52
26 05 36 00-2068	EA	18" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,318.29 -102.19	355.61
26 05 36 00-2069	EA	24" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,423.16 -110.06	387.06
26 05 36 00-2070	EA	30" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,544.55 -119.29	422.00
26 05 36 00-2071	EA	36" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,738.76 -131.10	513.30
26 05 36 00-2072 12" Radius Horizontal Crosses <small>(26 05 36 00-1961)</small>				
26 05 36 00-2073	EA	6" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	704.00 -48.97	257.08
26 05 36 00-2074	EA	9" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	748.76 -52.16	272.61
26 05 36 00-2075	EA	12" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	786.31 -54.46	290.09
26 05 36 00-2076	EA	18" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	868.36 -59.30	330.52
26 05 36 00-2077	EA	24" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	994.93 -67.41	384.95
26 05 36 00-2078	EA	30" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,128.29 -77.87	419.59
26 05 36 00-2079	EA	36" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,375.89 -94.66	515.13
26 05 36 00-2080 24" Radius Horizontal Crosses <small>(26 05 36 00-1961)</small>				
26 05 36 00-2081	EA	6" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	977.68 -73.59	290.09
26 05 36 00-2082	EA	12" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,091.28 -81.59	330.52
26 05 36 00-2083	EA	18" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,224.16 -90.33	384.95
26 05 36 00-2084	EA	24" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,443.74 -105.84	462.44
26 05 36 00-2085	EA	30" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,581.04 -115.33	513.30
26 05 36 00-2086	EA	36" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,921.78 -137.10	660.94
26 05 36 00-2087 36" Radius Horizontal Crosses <small>(26 05 36 00-1961)</small>				
26 05 36 00-2088	EA	6" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,360.46 -108.51	330.52
26 05 36 00-2089	EA	12" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,507.28 -118.48	387.06
26 05 36 00-2090	EA	18" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,706.61 -132.12	462.44

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2091 EA 24" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,051.93 -156.75	581.33
26 05 36 00-2092 EA 30" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,284.34 -173.10	664.03
26 05 36 00-2093 EA 36" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,650.21 -200.86	769.99
26 05 36 00-2094 Straight Reducers <small>(26 05 36 00-1961)</small>		
26 05 36 00-2095 EA 9"-6" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	263.33 -19.90	77.20
26 05 36 00-2096 EA 12"-9" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	276.44 -20.87	81.35
26 05 36 00-2097 EA 18"-12" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	312.14 -23.18	96.41
26 05 36 00-2098 EA 24"-18" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	345.39 -25.37	110.11
26 05 36 00-2099 EA 30"-24" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	380.59 -27.34	128.64
26 05 36 00-2100 EA 36"-30" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	413.21 -29.28	144.47
26 05 36 00-2101 Reducers <small>(26 05 36 00-1961)</small>		
26 05 36 00-2102 EA 12"-6" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	276.21 -20.86	81.16
26 05 36 00-2103 EA 18"-6" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	312.03 -23.17	96.41
26 05 36 00-2104 EA 18"-9" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	312.03 -23.17	96.41
26 05 36 00-2105 EA 24"-6" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	345.53 -25.37	110.20
26 05 36 00-2106 EA 24"-9" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	345.53 -25.37	110.20
26 05 36 00-2107 EA 24"-12" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	345.81 -25.39	110.30
26 05 36 00-2108 EA 30"-12" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	384.60 -27.75	128.54
26 05 36 00-2109 EA 30"-18" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	380.21 -27.32	128.45
26 05 36 00-2110 EA 36"-12" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	413.21 -29.28	144.47
26 05 36 00-2111 EA 36"-18" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	413.21 -29.28	144.47
26 05 36 00-2112 EA 36"-24" Reducer, Vented Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	413.69 -29.31	144.75
26 05 36 00-2113 Dropout Or End Plate <small>(26 05 36 00-1961)</small>		
26 05 36 00-2114 EA 6" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	86.90	35.61
26 05 36 00-2115 EA 9" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	94.81	38.89
26 05 36 00-2116 EA 12" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	102.18	41.78
26 05 36 00-2117 EA 18" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	116.10	46.13
26 05 36 00-2118 EA 24" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	133.11	51.44
26 05 36 00-2119 EA 30" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	146.86	57.80
26 05 36 00-2120 EA 36" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	168.14	66.20
26 05 36 00-2121 Covers And Dividers <small>(26 05 36 00-0001)</small>		
26 05 36 00-2122 Galvanized Steel Covers <small>(26 05 36 00-2121)</small>		
26 05 36 00-2123 Ventilated Straight Sections <small>(26 05 36 00-2122)</small>		
26 05 36 00-2124 LF 6" Steel Cable Tray Cover, Straight Section	7.57	1.73
26 05 36 00-2125 LF 9" Steel Cable Tray Cover, Straight Section	9.10	2.02
26 05 36 00-2126 LF 12" Steel Cable Tray Cover, Straight Section	10.67	2.31
26 05 36 00-2127 LF 18" Steel Cable Tray Cover, Straight Section	14.46	3.09
26 05 36 00-2128 LF 24" Steel Cable Tray Cover, Straight Section	18.40	4.15
26 05 36 00-2129 LF 30" Steel Cable Tray Cover, Straight Section	22.35	5.11
26 05 36 00-2130 LF 36" Steel Cable Tray Cover, Straight Section	112.47	58.00
26 05 36 00-2131 90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
26 05 36 00-2132 EA 6" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	44.80	6.17
26 05 36 00-2133 EA 9" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	50.20	7.23
26 05 36 00-2134 EA 12" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	54.59	8.59
26 05 36 00-2135 EA 18" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	74.07	11.00
26 05 36 00-2136 EA 24" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	90.85	14.00
26 05 36 00-2137 EA 30" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	109.44	15.54
26 05 36 00-2138 EA 36" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	132.14	18.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2139 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
26 05 36 00-2140 EA 6" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	68.59	6.85
26 05 36 00-2141 EA 9" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	72.00	8.01
26 05 36 00-2142 EA 12" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	81.40	9.65
26 05 36 00-2143 EA 18" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	101.04	12.25
26 05 36 00-2144 EA 24" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	124.05	15.44
26 05 36 00-2145 EA 30" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	158.76	17.75
26 05 36 00-2146 EA 36" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	184.76	21.04
26 05 36 00-2147 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
26 05 36 00-2148 EA 6" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	96.42	7.72
26 05 36 00-2149 EA 9" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	107.28	8.88
26 05 36 00-2150 EA 12" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	116.65	11.00
26 05 36 00-2151 EA 18" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	147.60	12.83
26 05 36 00-2152 EA 24" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	179.32	17.85
26 05 36 00-2153 EA 30" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	211.08	20.17
26 05 36 00-2154 EA 36" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	246.83	23.16
26 05 36 00-2155 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
26 05 36 00-2156 EA 6" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	34.84	6.17
For 60 Degree Bend, Deduct	-9.12	
For 30 Degree Bend, Deduct	-15.54	
26 05 36 00-2157 EA 9" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	41.40	7.23
For 60 Degree Bend, Deduct	-10.89	
For 30 Degree Bend, Deduct	-18.55	
26 05 36 00-2158 EA 12" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	46.52	8.59
For 60 Degree Bend, Deduct	-12.07	
For 30 Degree Bend, Deduct	-20.60	
26 05 36 00-2159 EA 18" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	56.39	10.52
For 60 Degree Bend, Deduct	-14.58	
For 30 Degree Bend, Deduct	-24.88	
26 05 36 00-2160 EA 24" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	65.82	12.16
For 60 Degree Bend, Deduct	-17.04	
For 30 Degree Bend, Deduct	-29.08	
26 05 36 00-2161 EA 30" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	76.94	14.00
For 60 Degree Bend, Deduct	-20.01	
For 30 Degree Bend, Deduct	-34.13	
26 05 36 00-2162 EA 36" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	85.88	15.44
For 60 Degree Bend, Deduct	-22.42	
For 30 Degree Bend, Deduct	-38.23	
26 05 36 00-2163 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
26 05 36 00-2164 EA 6" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	47.33	6.85
For 60 Degree Bend, Deduct	-13.00	
For 30 Degree Bend, Deduct	-22.05	
26 05 36 00-2165 EA 9" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	53.66	8.01
For 60 Degree Bend, Deduct	-14.64	
For 30 Degree Bend, Deduct	-24.85	
26 05 36 00-2166 EA 12" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	61.59	9.65
For 60 Degree Bend, Deduct	-16.62	
For 30 Degree Bend, Deduct	-28.23	
26 05 36 00-2167 EA 18" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	71.41	11.58
For 60 Degree Bend, Deduct	-19.12	
For 30 Degree Bend, Deduct	-32.51	
26 05 36 00-2168 EA 24" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	82.24	13.23
For 60 Degree Bend, Deduct	-22.06	
For 30 Degree Bend, Deduct	-37.50	
26 05 36 00-2169 EA 30" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	102.08	15.44
For 60 Degree Bend, Deduct	-27.75	
For 30 Degree Bend, Deduct	-47.11	
26 05 36 00-2170 EA 36" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	113.34	17.85
For 60 Degree Bend, Deduct	-30.57	
For 30 Degree Bend, Deduct	-51.94	
26 05 36 00-2171 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
26 05 36 00-2172 EA 6" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	64.90	7.72
For 60 Degree Bend, Deduct	-18.47	
For 30 Degree Bend, Deduct	-31.21	
26 05 36 00-2173 EA 9" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	73.54	8.88
For 60 Degree Bend, Deduct	-20.85	
For 30 Degree Bend, Deduct	-35.25	
26 05 36 00-2174 EA 12" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	82.86	11.00
For 60 Degree Bend, Deduct	-23.13	
For 30 Degree Bend, Deduct	-39.16	
26 05 36 00-2175 EA 18" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	94.46	12.25
For 60 Degree Bend, Deduct	-26.48	
For 30 Degree Bend, Deduct	-44.82	

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26 05 Common Work Results For Electrical
26 05 36 Cable Trays For Electrical Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2176 EA 24" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	115.15 -32.27 -54.61	14.96
26 05 36 00-2177 EA 30" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	128.00 -35.40 -60.00	17.85
26 05 36 00-2178 EA 36" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	151.01 -42.43 -71.79	19.30
26 05 36 00-2179 90 Degree, 12" Radius Vertical Risers (26 05 36 00-2 122)		
26 05 36 00-2180 EA 6" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	39.06	6.17
26 05 36 00-2181 EA 9" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	41.40	7.23
26 05 36 00-2182 EA 12" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	45.79	8.59
26 05 36 00-2183 EA 18" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	53.49	10.52
26 05 36 00-2184 EA 24" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	59.37	13.61
26 05 36 00-2185 EA 30" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	66.16	15.54
26 05 36 00-2186 EA 36" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	82.93	18.53
26 05 36 00-2187 90 Degree, 24" Radius Vertical Risers (26 05 36 00-2 122)		
26 05 36 00-2188 EA 6" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	46.59	6.85
26 05 36 00-2189 EA 9" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	52.19	8.01
26 05 36 00-2190 EA 12" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	56.46	9.65
26 05 36 00-2191 EA 18" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	72.84	11.58
26 05 36 00-2192 EA 24" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	85.04	14.96
26 05 36 00-2193 EA 30" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	97.90	17.85
26 05 36 00-2194 EA 36" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	112.88	21.04
26 05 36 00-2195 90 Degree, 36" Radius Vertical Risers (26 05 36 00-2 122)		
26 05 36 00-2196 EA 6" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	53.87	7.72
26 05 36 00-2197 EA 9" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	66.94	8.88
26 05 36 00-2198 EA 12" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	77.05	11.00
26 05 36 00-2199 EA 18" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	94.46	12.25
26 05 36 00-2200 EA 24" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	110.68	17.08
26 05 36 00-2201 EA 30" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	131.86	20.17
26 05 36 00-2202 EA 36" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	154.42	23.16
26 05 36 00-2203 12" Radius Horizontal Tees (26 05 36 00-2 122)		
26 05 36 00-2204 EA 6" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	68.87	10.04
26 05 36 00-2205 EA 9" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	72.84	11.58
26 05 36 00-2206 EA 12" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	82.77	13.61
26 05 36 00-2207 EA 18" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	99.15	15.44
26 05 36 00-2208 EA 24" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	122.14	17.85
26 05 36 00-2209 EA 30" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	151.36	25.67
26 05 36 00-2210 EA 36" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	181.91	30.78
26 05 36 00-2211 24" Radius Horizontal Tees (26 05 36 00-2 122)		
26 05 36 00-2212 EA 6" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	99.70	10.52
26 05 36 00-2213 EA 9" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	114.26	12.25
26 05 36 00-2214 EA 12" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	120.92	14.48
26 05 36 00-2215 EA 18" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	152.28	16.60
26 05 36 00-2216 EA 24" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	222.78	19.30
26 05 36 00-2217 EA 30" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	265.40	28.95
26 05 36 00-2218 EA 36" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	298.46	35.61
26 05 36 00-2219 36" Radius Horizontal Tees (26 05 36 00-2 122)		
26 05 36 00-2220 EA 6" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	166.50	11.00
26 05 36 00-2221 EA 9" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	172.51	12.83
26 05 36 00-2222 EA 12" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	192.99	15.44
26 05 36 00-2223 EA 18" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	226.34	17.85
26 05 36 00-2224 EA 24" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	293.31	21.04
26 05 36 00-2225 EA 30" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	335.47	33.19
26 05 36 00-2226 EA 36" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	388.28	41.98
26 05 36 00-2227 12" Radius Horizontal Crosses (26 05 36 00-2 122)		
26 05 36 00-2228 EA 6" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	100.42	13.61
26 05 36 00-2229 EA 9" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	106.28	14.48
26 05 36 00-2230 EA 12" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	117.48	15.44
26 05 36 00-2231 EA 18" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	138.27	17.85
26 05 36 00-2232 EA 24" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	174.79	25.67
26 05 36 00-2233 EA 30" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	202.39	30.78
26 05 36 00-2234 EA 36" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	231.14	33.10



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2235 24" Radius Horizontal Crosses <small>(26 05 36 00-2122)</small>		
26 05 36 00-2236 EA 6" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	172.32	14.48
26 05 36 00-2237 EA 9" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	187.13	15.44
26 05 36 00-2238 EA 12" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	200.69	16.60
26 05 36 00-2239 EA 18" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	238.92	19.30
26 05 36 00-2240 EA 24" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	300.56	28.95
26 05 36 00-2241 EA 30" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	343.85	35.61
26 05 36 00-2242 EA 36" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	383.98	38.50
26 05 36 00-2243 36" Radius Horizontal Crosses <small>(26 05 36 00-2122)</small>		
26 05 36 00-2244 EA 6" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	273.67	15.44
26 05 36 00-2245 EA 9" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	284.31	16.60
26 05 36 00-2246 EA 12" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	299.69	17.85
26 05 36 00-2247 EA 18" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	346.12	21.04
26 05 36 00-2248 EA 24" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	451.32	33.10
26 05 36 00-2249 EA 30" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	495.69	42.17
26 05 36 00-2250 EA 36" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	531.95	46.32
26 05 36 00-2251 Reducers <small>(26 05 36 00-2122)</small>		
26 05 36 00-2252 EA 9"-6" Reducer, Steel Cable Tray Covers.....	45.08	7.23
26 05 36 00-2253 EA 12"-6" Reducer, Steel Cable Tray Covers.....	48.76	8.59
26 05 36 00-2254 EA 12"-9" Reducer, Steel Cable Tray Covers.....	48.76	8.59
26 05 36 00-2255 EA 18"-6" Reducer, Steel Cable Tray Covers.....	54.21	10.52
26 05 36 00-2256 EA 18"-12" Reducer, Steel Cable Tray Covers.....	54.21	10.52
26 05 36 00-2257 EA 24"-12" Reducer, Steel Cable Tray Covers.....	66.24	11.58
26 05 36 00-2258 EA 24"-18" Reducer, Steel Cable Tray Covers.....	70.64	11.58
26 05 36 00-2259 EA 30"-12" Reducer, Steel Cable Tray Covers.....	69.01	13.23
26 05 36 00-2260 EA 30"-18" Reducer, Steel Cable Tray Covers.....	73.41	13.23
26 05 36 00-2261 EA 30"-24" Reducer, Steel Cable Tray Covers.....	76.35	13.23
26 05 36 00-2262 EA 36"-12" Reducer, Steel Cable Tray Covers.....	79.82	14.48
26 05 36 00-2263 EA 36"-18" Reducer, Steel Cable Tray Covers.....	81.29	14.48
26 05 36 00-2264 EA 36"-24" Reducer, Steel Cable Tray Covers.....	82.76	14.48
26 05 36 00-2265 EA 36"-30" Reducer, Steel Cable Tray Covers.....	83.49	14.48
26 05 36 00-2266 Aluminum Covers <small>(26 05 36 00-2121)</small>		
26 05 36 00-2267 Ventilated Straight Sections <small>(26 05 36 00-2266)</small>		
26 05 36 00-2268 LF 6" Aluminum Cable Tray Cover, Straight Section.....	9.36	1.73
26 05 36 00-2269 LF 9" Aluminum Cable Tray Cover, Straight Section.....	11.16	2.02
26 05 36 00-2270 LF 12" Aluminum Cable Tray Cover, Straight Section.....	13.10	2.31
26 05 36 00-2271 LF 18" Aluminum Cable Tray Cover, Straight Section.....	17.44	3.09
26 05 36 00-2272 LF 24" Aluminum Cable Tray Cover, Straight Section.....	22.42	4.15
26 05 36 00-2273 LF 30" Aluminum Cable Tray Cover, Straight Section.....	25.49	5.11
26 05 36 00-2274 LF 36" Aluminum Cable Tray Cover, Straight Section.....	114.68	58.00
26 05 36 00-2275 90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-2266)</small>		
26 05 36 00-2276 EA 6" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	58.70	6.17
26 05 36 00-2277 EA 9" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	62.53	7.23
26 05 36 00-2278 EA 12" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	68.93	8.59
26 05 36 00-2279 EA 18" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	89.83	11.00
26 05 36 00-2280 EA 24" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	113.80	14.00
26 05 36 00-2281 EA 30" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	134.12	15.54
26 05 36 00-2282 EA 36" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	163.41	18.53
26 05 36 00-2283 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-2266)</small>		
26 05 36 00-2284 EA 6" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	77.62	6.85
26 05 36 00-2285 EA 9" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	95.34	8.01
26 05 36 00-2286 EA 12" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	106.55	9.65
26 05 36 00-2287 EA 18" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	127.61	12.25
26 05 36 00-2288 EA 24" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	158.26	15.44
26 05 36 00-2289 EA 30" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	191.60	17.75
26 05 36 00-2290 EA 36" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	234.91	21.04
26 05 36 00-2291 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-2266)</small>		
26 05 36 00-2292 EA 6" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	126.36	7.72
26 05 36 00-2293 EA 9" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	138.94	8.88
26 05 36 00-2294 EA 12" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	159.27	11.00
26 05 36 00-2295 EA 18" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	189.68	12.83
26 05 36 00-2296 EA 24" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	233.68	17.85
26 05 36 00-2297 EA 30" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	269.11	20.17
26 05 36 00-2298 EA 36" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	314.02	23.16

26 Electrical

26 05 Common Work Results For Electrical

26 05 36 Cable Trays For Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2299			45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-2266)</small>		
	EA		6" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	46.09	6.17
			<i>For 60 Degree Bend, Deduct</i>	-12.83	
			<i>For 30 Degree Bend, Deduct</i>	-21.73	
26 05 36 00-2301	EA		9" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	48.86	7.23
			<i>For 60 Degree Bend, Deduct</i>	-13.35	
			<i>For 30 Degree Bend, Deduct</i>	-22.65	
26 05 36 00-2302	EA		12" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	55.47	8.59
			<i>For 60 Degree Bend, Deduct</i>	-15.03	
			<i>For 30 Degree Bend, Deduct</i>	-25.52	
26 05 36 00-2303	EA		18" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	64.84	10.52
			<i>For 60 Degree Bend, Deduct</i>	-17.37	
			<i>For 30 Degree Bend, Deduct</i>	-29.53	
26 05 36 00-2304	EA		24" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	72.92	12.16
			<i>For 60 Degree Bend, Deduct</i>	-19.38	
			<i>For 30 Degree Bend, Deduct</i>	-32.98	
26 05 36 00-2305	EA		30" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	89.64	14.00
			<i>For 60 Degree Bend, Deduct</i>	-24.20	
			<i>For 30 Degree Bend, Deduct</i>	-41.11	
26 05 36 00-2306	EA		36" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	105.65	15.44
			<i>For 60 Degree Bend, Deduct</i>	-28.94	
			<i>For 30 Degree Bend, Deduct</i>	-49.10	
26 05 36 00-2307			45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-2266)</small>		
	EA		6" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	52.92	6.85
			<i>For 60 Degree Bend, Deduct</i>	-14.84	
			<i>For 30 Degree Bend, Deduct</i>	-25.12	
26 05 36 00-2309	EA		9" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	65.89	8.01
			<i>For 60 Degree Bend, Deduct</i>	-18.68	
			<i>For 30 Degree Bend, Deduct</i>	-31.58	
26 05 36 00-2310	EA		12" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	70.80	9.65
			<i>For 60 Degree Bend, Deduct</i>	-19.66	
			<i>For 30 Degree Bend, Deduct</i>	-33.30	
26 05 36 00-2311	EA		18" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	85.57	11.58
			<i>For 60 Degree Bend, Deduct</i>	-23.79	
			<i>For 30 Degree Bend, Deduct</i>	-40.30	
26 05 36 00-2312	EA		24" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	104.12	13.23
			<i>For 60 Degree Bend, Deduct</i>	-29.28	
			<i>For 30 Degree Bend, Deduct</i>	-49.53	
26 05 36 00-2313	EA		30" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	120.43	15.44
			<i>For 60 Degree Bend, Deduct</i>	-33.81	
			<i>For 30 Degree Bend, Deduct</i>	-57.21	
26 05 36 00-2314	EA		36" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	139.08	17.85
			<i>For 60 Degree Bend, Deduct</i>	-39.06	
			<i>For 30 Degree Bend, Deduct</i>	-66.09	
26 05 36 00-2315			45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-2266)</small>		
	EA		6" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	84.32	7.72
			<i>For 60 Degree Bend, Deduct</i>	-24.88	
			<i>For 30 Degree Bend, Deduct</i>	-41.89	
26 05 36 00-2317	EA		9" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	92.67	8.88
			<i>For 60 Degree Bend, Deduct</i>	-27.16	
			<i>For 30 Degree Bend, Deduct</i>	-45.77	
26 05 36 00-2318	EA		12" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	100.34	11.00
			<i>For 60 Degree Bend, Deduct</i>	-28.90	
			<i>For 30 Degree Bend, Deduct</i>	-48.78	
26 05 36 00-2319	EA		18" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	119.22	12.25
			<i>For 60 Degree Bend, Deduct</i>	-34.66	
			<i>For 30 Degree Bend, Deduct</i>	-58.44	
26 05 36 00-2320	EA		24" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	144.80	14.96
			<i>For 60 Degree Bend, Deduct</i>	-42.05	
			<i>For 30 Degree Bend, Deduct</i>	-70.91	
26 05 36 00-2321	EA		30" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	166.41	17.85
			<i>For 60 Degree Bend, Deduct</i>	-48.08	
			<i>For 30 Degree Bend, Deduct</i>	-81.12	
26 05 36 00-2322	EA		36" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	187.81	19.30
			<i>For 60 Degree Bend, Deduct</i>	-54.57	
			<i>For 30 Degree Bend, Deduct</i>	-92.03	
26 05 36 00-2323			90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-2266)</small>		
	EA		6" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	51.53	6.17
	EA		9" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	53.59	7.23
	EA		12" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	59.46	8.59
	EA		18" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	70.12	10.52
	EA		24" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	77.38	13.61
	EA		30" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	81.55	15.54
	EA		36" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	98.15	18.53
26 05 36 00-2331			90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-2266)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2332	EA		6" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	58.70	6.85
26 05 36 00-2333	EA		9" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	64.84	8.01
26 05 36 00-2334	EA		12" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	71.85	9.65
26 05 36 00-2335	EA		18" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	86.60	11.58
26 05 36 00-2336	EA		24" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	98.50	14.96
26 05 36 00-2337	EA		30" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	124.32	17.85
26 05 36 00-2338	EA		36" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	138.18	21.04
26 05 36 00-2339			90 Degree, 36" Radius Vertical Risers (26 05 36 00-2266)		
26 05 36 00-2340	EA		6" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	67.48	7.72
26 05 36 00-2341	EA		9" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	82.16	8.88
26 05 36 00-2342	EA		12" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	96.18	11.00
26 05 36 00-2343	EA		18" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	115.01	12.25
26 05 36 00-2344	EA		24" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	139.99	17.08
26 05 36 00-2345	EA		30" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	174.48	20.17
26 05 36 00-2346	EA		36" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	189.94	23.16
26 05 36 00-2347			12" Radius Horizontal Tees (26 05 36 00-2266)		
26 05 36 00-2348	EA		6" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	84.09	10.04
26 05 36 00-2349	EA		9" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	90.80	11.58
26 05 36 00-2350	EA		12" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	102.54	13.61
26 05 36 00-2351	EA		18" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	120.43	15.44
26 05 36 00-2352	EA		24" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	149.59	17.85
26 05 36 00-2353	EA		30" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	183.71	25.67
26 05 36 00-2354	EA		36" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	221.69	30.78
26 05 36 00-2355			24" Radius Horizontal Tees (26 05 36 00-2266)		
26 05 36 00-2356	EA		6" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	126.91	10.52
26 05 36 00-2357	EA		9" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	142.35	12.25
26 05 36 00-2358	EA		12" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	160.79	14.48
26 05 36 00-2359	EA		18" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	187.42	16.60
26 05 36 00-2360	EA		24" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	286.54	19.30
26 05 36 00-2361	EA		30" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	330.09	28.95
26 05 36 00-2362	EA		36" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	372.69	35.61
26 05 36 00-2363			36" Radius Horizontal Tees (26 05 36 00-2266)		
26 05 36 00-2364	EA		6" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	218.12	11.00
26 05 36 00-2365	EA		9" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	225.41	12.83
26 05 36 00-2366	EA		12" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	250.78	15.44
26 05 36 00-2367	EA		18" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	284.23	17.85
26 05 36 00-2368	EA		24" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	358.99	21.04
26 05 36 00-2369	EA		30" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	419.11	33.19
26 05 36 00-2370	EA		36" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	480.04	41.98
26 05 36 00-2371			12" Radius Horizontal Crosses (26 05 36 00-2266)		
26 05 36 00-2372	EA		6" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	125.72	13.61
26 05 36 00-2373	EA		9" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	133.49	14.48
26 05 36 00-2374	EA		12" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	147.77	15.44
26 05 36 00-2375	EA		18" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	176.93	17.85
26 05 36 00-2376	EA		24" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	213.11	25.67
26 05 36 00-2377	EA		30" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	253.19	30.78
26 05 36 00-2378	EA		36" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	288.54	33.10
26 05 36 00-2379			24" Radius Horizontal Crosses (26 05 36 00-2266)		
26 05 36 00-2380	EA		6" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	226.05	14.48
26 05 36 00-2381	EA		9" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	242.38	15.44
26 05 36 00-2382	EA		12" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	261.02	16.60
26 05 36 00-2383	EA		18" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	303.37	19.30
26 05 36 00-2384	EA		24" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	372.11	28.95
26 05 36 00-2385	EA		30" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	437.81	35.61
26 05 36 00-2386	EA		36" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	474.27	38.50
26 05 36 00-2387			36" Radius Horizontal Crosses (26 05 36 00-2266)		
26 05 36 00-2388	EA		6" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	349.62	15.44
26 05 36 00-2389	EA		9" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	366.18	16.60
26 05 36 00-2390	EA		12" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	393.59	17.85
26 05 36 00-2391	EA		18" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	434.70	21.04
26 05 36 00-2392	EA		24" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	549.45	33.10
26 05 36 00-2393	EA		30" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	638.09	42.17
26 05 36 00-2394	EA		36" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	697.58	46.32

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2395 Reducers <small>(26 05 36 00-2266)</small>		
26 05 36 00-2396 EA 9"-6" Reducer, Aluminum Cable Tray Covers	63.59	7.23
26 05 36 00-2397 EA 12"-6" Reducer, Aluminum Cable Tray Covers	67.91	8.59
26 05 36 00-2398 EA 12"-9" Reducer, Aluminum Cable Tray Covers	67.92	8.59
26 05 36 00-2399 EA 18"-6" Reducer, Aluminum Cable Tray Covers	76.42	10.52
26 05 36 00-2400 EA 18"-12" Reducer, Aluminum Cable Tray Covers	76.42	10.52
26 05 36 00-2401 EA 24"-12" Reducer, Aluminum Cable Tray Covers	84.49	11.58
26 05 36 00-2402 EA 24"-18" Reducer, Aluminum Cable Tray Covers	92.87	11.58
26 05 36 00-2403 EA 30"-12" Reducer, Aluminum Cable Tray Covers	97.78	13.23
26 05 36 00-2404 EA 30"-18" Reducer, Aluminum Cable Tray Covers	100.91	13.23
26 05 36 00-2405 EA 30"-24" Reducer, Aluminum Cable Tray Covers	103.06	13.23
26 05 36 00-2406 EA 36"-12" Reducer, Aluminum Cable Tray Covers	108.20	14.48
26 05 36 00-2407 EA 36"-18" Reducer, Aluminum Cable Tray Covers	110.30	14.48
26 05 36 00-2408 EA 36"-24" Reducer, Aluminum Cable Tray Covers	111.35	14.48
26 05 36 00-2409 EA 36"-30" Reducer, Aluminum Cable Tray Covers	112.41	14.48
26 05 36 00-2410 Galvanized Steel Dividers <small>(26 05 36 00-2121)</small>		
26 05 36 00-2411 Straight Dividers <small>(26 05 36 00-2410)</small>		
26 05 36 00-2412 LF 3" Deep Galvanized Steel Divider Strip, Straight	7.89	2.31
26 05 36 00-2413 LF 4" Deep Galvanized Steel Divider Strip, Straight	9.25	2.50
26 05 36 00-2414 LF 6" Deep Galvanized Steel Divider Strip, Straight	11.36	2.90
26 05 36 00-2415 3" Deep Vertical Dividers <small>(26 05 36 00-2410)</small>		
26 05 36 00-2416 EA Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Steel Cable Tray	47.40	16.60
26 05 36 00-2417 EA Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Steel Cable Tray	53.42	17.17
26 05 36 00-2418 EA Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Steel Cable Tray	56.12	17.85
26 05 36 00-2419 EA Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Steel Cable Tray	63.89	18.53
26 05 36 00-2420 EA Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Steel Cable Tray	60.95	18.53
26 05 36 00-2421 EA Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Steel Cable Tray	65.87	19.30
26 05 36 00-2422 EA Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Steel Cable Tray	76.12	20.17
26 05 36 00-2423 EA Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Steel Cable Tray	93.07	21.04
26 05 36 00-2424 EA Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Steel Cable	75.47	21.04
26 05 36 00-2425 EA Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Steel Cable Tray	83.70	22.10
26 05 36 00-2426 EA Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Steel Cable Tray	93.61	23.16
26 05 36 00-2427 EA Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Steel Cable Tray	116.91	24.42
26 05 36 00-2428 4" Deep Vertical Dividers <small>(26 05 36 00-2410)</small>		
26 05 36 00-2429 EA Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Steel Cable Tray	53.79	17.17
26 05 36 00-2430 EA Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Steel Cable Tray	59.06	17.85
26 05 36 00-2431 EA Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Steel Cable Tray	63.89	18.53
26 05 36 00-2432 EA Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Steel Cable Tray	72.47	19.30
26 05 36 00-2433 EA Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Steel Cable Tray	72.47	19.30
26 05 36 00-2434 EA Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Steel Cable Tray	84.19	20.17
26 05 36 00-2435 EA Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Steel Cable Tray	92.34	21.04
26 05 36 00-2436 EA Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Steel Cable Tray	113.04	22.10
26 05 36 00-2437 EA Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Steel Cable Tray	80.52	20.17
26 05 36 00-2438 EA Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Steel Cable Tray	88.67	21.04
26 05 36 00-2439 EA Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Steel Cable Tray	104.24	22.10
26 05 36 00-2440 EA Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Steel Cable Tray	130.28	23.16
26 05 36 00-2441 6" Deep Vertical Dividers <small>(26 05 36 00-2410)</small>		
26 05 36 00-2442 EA Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Steel Cable Tray	59.63	19.30
26 05 36 00-2443 EA Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Steel Cable Tray	64.39	20.17
26 05 36 00-2444 EA Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Steel Cable Tray	70.34	21.04
26 05 36 00-2445 EA Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Steel Cable Tray	80.77	22.10
26 05 36 00-2446 EA Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Steel Cable Tray	73.92	20.17
26 05 36 00-2447 EA Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Steel Cable Tray	85.74	21.04
26 05 36 00-2448 EA Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Steel Cable Tray	94.70	22.10
26 05 36 00-2449 EA Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Steel Cable Tray	114.88	23.16
26 05 36 00-2450 EA Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Steel Cable Tray	82.07	21.04
26 05 36 00-2451 EA Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Steel Cable Tray	94.70	22.10
26 05 36 00-2452 EA Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Steel Cable Tray	114.88	23.16
26 05 36 00-2453 EA Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Steel Cable Tray	138.91	24.42
26 05 36 00-2454 Horizontal Dividers <small>(26 05 36 00-2410)</small>		
26 05 36 00-2455 EA 3" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	51.59	14.00
26 05 36 00-2456 EA 4" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	57.31	15.44
26 05 36 00-2457 EA 6" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	68.90	17.17
26 05 36 00-2458 Aluminum Dividers <small>(26 05 36 00-2121)</small>		
26 05 36 00-2459 Straight Dividers <small>(26 05 36 00-2458)</small>		
26 05 36 00-2460 LF 3" Deep Aluminum Divider Strip, Straight	9.45	2.22



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2461 LF 4" Deep Aluminum Divider Strip, Straight	11.21	2.41
26 05 36 00-2462 LF 6" Deep Aluminum Divider Strip, Straight	13.90	2.71
26 05 36 00-2463 3" Deep Vertical Dividers (26 05 36 00-2458)		
26 05 36 00-2464 EA Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray.....	50.71	16.02
26 05 36 00-2465 EA Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray.....	55.99	16.60
26 05 36 00-2466 EA Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray.....	61.79	17.17
26 05 36 00-2467 EA Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray.....	71.78	17.85
26 05 36 00-2468 EA Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray.....	69.68	17.85
26 05 36 00-2469 EA Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray.....	77.15	18.53
26 05 36 00-2470 EA Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray.....	89.96	19.30
26 05 36 00-2471 EA Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray.....	112.44	20.17
26 05 36 00-2472 EA Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray.....	94.57	20.17
26 05 36 00-2473 EA Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray.....	113.99	21.04
26 05 36 00-2474 EA Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray.....	138.75	22.10
26 05 36 00-2475 EA Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray.....	172.14	23.16
26 05 36 00-2476 4" Deep Vertical Dividers (26 05 36 00-2458)		
26 05 36 00-2477 EA Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray.....	61.56	16.60
26 05 36 00-2478 EA Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray.....	67.99	17.17
26 05 36 00-2479 EA Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray.....	74.93	17.85
26 05 36 00-2480 EA Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray.....	84.51	18.53
26 05 36 00-2481 EA Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray.....	83.45	18.53
26 05 36 00-2482 EA Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray.....	97.32	19.30
26 05 36 00-2483 EA Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray.....	110.34	20.17
26 05 36 00-2484 EA Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray.....	140.28	21.04
26 05 36 00-2485 EA Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray.....	114.15	19.30
26 05 36 00-2486 EA Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray.....	138.73	20.17
26 05 36 00-2487 EA Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray.....	163.41	21.04
26 05 36 00-2488 EA Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray.....	198.69	22.10
26 05 36 00-2489 6" Deep Vertical Dividers (26 05 36 00-2458)		
26 05 36 00-2490 EA Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray.....	68.10	18.53
26 05 36 00-2491 EA Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray.....	76.29	19.30
26 05 36 00-2492 EA Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray.....	79.85	20.17
26 05 36 00-2493 EA Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray.....	89.81	21.04
26 05 36 00-2494 EA Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray.....	86.81	19.30
26 05 36 00-2495 EA Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray.....	108.24	20.17
26 05 36 00-2496 EA Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray.....	117.15	21.04
26 05 36 00-2497 EA Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray.....	148.22	22.10
26 05 36 00-2498 EA Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray.....	116.65	20.17
26 05 36 00-2499 EA Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray.....	146.59	21.04
26 05 36 00-2500 EA Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray.....	168.20	22.10
26 05 36 00-2501 EA Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray.....	196.32	23.16
26 05 36 00-2502 Horizontal Dividers (26 05 36 00-2458)		
26 05 36 00-2503 EA 3" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	60.37	13.23
26 05 36 00-2504 EA 4" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	66.19	14.48
26 05 36 00-2505 EA 6" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	82.36	16.02
26 05 36 00-2506 Wall Brackets (26 05 36 00-0001)		
26 05 36 00-2507 Wall Brackets (26 05 36 00-2506)		
26 05 36 00-2508 EA 6" Wide Tray Wall Bracket	65.19	19.30
26 05 36 00-2509 EA 9" Wide Tray Wall Bracket.....	67.58	20.17
26 05 36 00-2510 EA 12" Wide Tray Wall Bracket.....	73.85	21.04
26 05 36 00-2511 EA 18" Wide Tray Wall Bracket.....	78.32	22.10
26 05 36 00-2512 EA 24" Wide Tray Wall Bracket.....	84.88	23.16
26 05 36 00-2513 EA 30" Wide Tray Wall Bracket.....	100.12	24.42
26 05 36 00-2514 EA 36" Wide Tray Wall Bracket.....	118.97	26.06
26 05 36 00-2515 Fiberglass Cable Tray (26 05 36 00-0001)		
26 05 36 00-2516 Ladder Bottom Fiberglass Cable Tray (26 05 36 00-2515)		
Note: Excludes hangers and support system.		
26 05 36 00-2517 Straight Tray Sections (26 05 36 00-2516)		
26 05 36 00-2518 LF 6" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	9.25	2.60
For 9" Rung Spacing, Add	0.19	
For 6" Rung Spacing, Add	0.81	
For 4" Rung Spacing, Add	1.48	
For 18" Rung Spacing, Deduct	-0.13	
For Solid Bottom, Add	2.20	
For Vented Trough Bottom, Add	2.64	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2519 LF 9" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	10.39	3.19
For 9" Rung Spacing, Add	0.19	
For 6" Rung Spacing, Add	0.84	
For 4" Rung Spacing, Add	1.53	
For 18" Rung Spacing, Deduct	-0.14	
For Solid Bottom, Add	2.39	
For Vented Trough Bottom, Add	2.83	
26 05 36 00-2520 LF 12" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	11.52	3.86
For 9" Rung Spacing, Add	0.20	
For 6" Rung Spacing, Add	0.86	
For 4" Rung Spacing, Add	1.58	
For 18" Rung Spacing, Deduct	-0.14	
For Solid Bottom, Add	2.59	
For Vented Trough Bottom, Add	3.02	
26 05 36 00-2521 LF 18" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	13.88	5.11
For 9" Rung Spacing, Add	0.22	
For 6" Rung Spacing, Add	0.92	
For 4" Rung Spacing, Add	1.69	
For 18" Rung Spacing, Deduct	-0.15	
For Solid Bottom, Add	3.01	
For Vented Trough Bottom, Add	3.43	
26 05 36 00-2522 LF 24" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	16.22	6.46
For 9" Rung Spacing, Add	0.23	
For 6" Rung Spacing, Add	0.99	
For 4" Rung Spacing, Add	1.81	
For 18" Rung Spacing, Deduct	-0.16	
For Solid Bottom, Add	3.42	
For Vented Trough Bottom, Add	3.83	
26 05 36 00-2523 LF 30" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	17.74	7.04
For 9" Rung Spacing, Add	0.25	
For 6" Rung Spacing, Add	1.07	
For 4" Rung Spacing, Add	1.96	
For 18" Rung Spacing, Deduct	-0.18	
For Solid Bottom, Add	3.73	
For Vented Trough Bottom, Add	4.18	
26 05 36 00-2524 LF 36" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	19.29	7.72
For 9" Rung Spacing, Add	0.27	
For 6" Rung Spacing, Add	1.16	
For 4" Rung Spacing, Add	2.12	
For 18" Rung Spacing, Deduct	-0.19	
For Solid Bottom, Add	4.05	
For Vented Trough Bottom, Add	4.53	
26 05 36 00-2525 90 Degree Horizontal Elbows <small>(26 05 36 00-2516)</small>		
26 05 36 00-2526 EA 6" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	50.78	19.30
For 9" Rung Spacing, Add	0.76	
For 6" Rung Spacing, Add	3.27	
For 4" Rung Spacing, Add	6.00	
For 18" Rung Spacing, Deduct	-0.55	
For Solid Bottom, Add	10.89	
For Vented Trough Bottom, Add	12.35	
For 60 Degree Bend, Deduct	-10.10	
For 45 Degree Bend, Deduct	-13.94	
For 30 Degree Bend, Deduct	-17.79	
26 05 36 00-2527 EA 9" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	56.84	22.48
For 9" Rung Spacing, Add	0.81	
For 6" Rung Spacing, Add	3.46	
For 4" Rung Spacing, Add	6.34	
For 18" Rung Spacing, Deduct	-0.58	
For Solid Bottom, Add	11.99	
For Vented Trough Bottom, Add	13.45	
For 60 Degree Bend, Deduct	-10.99	
For 45 Degree Bend, Deduct	-15.22	
For 30 Degree Bend, Deduct	-19.44	
26 05 36 00-2528 EA 12" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	66.78	28.27
For 9" Rung Spacing, Add	0.85	
For 6" Rung Spacing, Add	3.65	
For 4" Rung Spacing, Add	6.69	
For 18" Rung Spacing, Deduct	-0.61	
For Solid Bottom, Add	13.67	
For Vented Trough Bottom, Add	15.04	
For 60 Degree Bend, Deduct	-12.27	
For 45 Degree Bend, Deduct	-17.07	
For 30 Degree Bend, Deduct	-21.87	
26 05 36 00-2529 EA 18" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	79.09	34.17
For 9" Rung Spacing, Add	0.98	
For 6" Rung Spacing, Add	4.19	
For 4" Rung Spacing, Add	7.68	
For 18" Rung Spacing, Deduct	-0.70	
For Solid Bottom, Add	16.05	
For Vented Trough Bottom, Add	17.57	
For 60 Degree Bend, Deduct	-14.34	
For 45 Degree Bend, Deduct	-19.97	
For 30 Degree Bend, Deduct	-25.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2530 EA 24" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	89.58	39.28
For 9" Rung Spacing, Add	1.08	
For 6" Rung Spacing, Add	4.61	
For 4" Rung Spacing, Add	8.45	
For 18" Rung Spacing, Deduct	-0.77	
For Solid Bottom, Add	18.05	
For Vented Trough Bottom, Add	19.65	
For 60 Degree Bend, Deduct	-16.02	
For 45 Degree Bend, Deduct	-22.35	
For 30 Degree Bend, Deduct	-28.67	
26 05 36 00-2531 EA 30" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	98.03	41.88
For 9" Rung Spacing, Add	1.24	
For 6" Rung Spacing, Add	5.30	
For 4" Rung Spacing, Add	9.71	
For 18" Rung Spacing, Deduct	-0.88	
For Solid Bottom, Add	20.00	
For Vented Trough Bottom, Add	21.96	
For 60 Degree Bend, Deduct	-17.92	
For 45 Degree Bend, Deduct	-24.94	
For 30 Degree Bend, Deduct	-31.96	
26 05 36 00-2532 EA 36" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	108.09	45.07
For 9" Rung Spacing, Add	1.42	
For 6" Rung Spacing, Add	6.08	
For 4" Rung Spacing, Add	11.15	
For 18" Rung Spacing, Deduct	-1.01	
For Solid Bottom, Add	22.29	
For Vented Trough Bottom, Add	24.66	
For 60 Degree Bend, Deduct	-20.13	
For 45 Degree Bend, Deduct	-27.97	
For 30 Degree Bend, Deduct	-35.81	
26 05 36 00-2533 Inside Or Outside Vertical Risers (26 05 36 00-2516)		
26 05 36 00-2534 EA 6" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	73.56	19.30
For 9" Rung Spacing, Add	1.56	
For 6" Rung Spacing, Add	6.69	
For 4" Rung Spacing, Add	12.27	
For 18" Rung Spacing, Deduct	-1.12	
For Solid Bottom, Add	17.73	
For Vented Trough Bottom, Add	21.46	
For 60 Degree Bend, Deduct	-17.62	
For 45 Degree Bend, Deduct	-23.97	
For 30 Degree Bend, Deduct	-30.33	
26 05 36 00-2535 EA 9" Vertical Inside Or Outside Riser 90, Fiberglass	79.01	22.48
For 9" Rung Spacing, Add	1.58	
For 6" Rung Spacing, Add	6.79	
For 4" Rung Spacing, Add	12.44	
For 18" Rung Spacing, Deduct	-1.13	
For Solid Bottom, Add	18.64	
For Vented Trough Bottom, Add	22.32	
For 60 Degree Bend, Deduct	-18.31	
For 45 Degree Bend, Deduct	-24.97	
For 30 Degree Bend, Deduct	-31.64	
26 05 36 00-2536 EA 12" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	88.32	28.27
For 9" Rung Spacing, Add	1.61	
For 6" Rung Spacing, Add	6.88	
For 4" Rung Spacing, Add	12.61	
For 18" Rung Spacing, Deduct	-1.15	
For Solid Bottom, Add	20.13	
For Vented Trough Bottom, Add	23.65	
For 60 Degree Bend, Deduct	-19.38	
For 45 Degree Bend, Deduct	-26.55	
For 30 Degree Bend, Deduct	-33.72	
26 05 36 00-2537 EA 18" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	98.40	34.17
For 9" Rung Spacing, Add	1.65	
For 6" Rung Spacing, Add	7.09	
For 4" Rung Spacing, Add	12.99	
For 18" Rung Spacing, Deduct	-1.18	
For Solid Bottom, Add	21.85	
For Vented Trough Bottom, Add	25.29	
For 60 Degree Bend, Deduct	-20.71	
For 45 Degree Bend, Deduct	-28.46	
For 30 Degree Bend, Deduct	-36.22	
26 05 36 00-2538 EA 24" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	107.36	39.28
For 9" Rung Spacing, Add	1.70	
For 6" Rung Spacing, Add	7.28	
For 4" Rung Spacing, Add	13.34	
For 18" Rung Spacing, Deduct	-1.21	
For Solid Bottom, Add	23.38	
For Vented Trough Bottom, Add	26.76	
For 60 Degree Bend, Deduct	-21.89	
For 45 Degree Bend, Deduct	-30.17	
For 30 Degree Bend, Deduct	-38.45	

26 Electrical

26 05 Common Work Results For Electrical

26 05 36 Cable Trays For Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2539	EA		30" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	112.49	41.88
			<i>For 9" Rung Spacing, Add</i>	1.74	
			<i>For 6" Rung Spacing, Add</i>	7.46	
			<i>For 4" Rung Spacing, Add</i>	13.68	
			<i>For 18" Rung Spacing, Deduct</i>	-1.24	
			<i>For Solid Bottom, Add</i>	24.34	
			<i>For Vented Trough Bottom, Add</i>	27.75	
			<i>For 60 Degree Bend, Deduct</i>	-22.69	
			<i>For 45 Degree Bend, Deduct</i>	-31.30	
			<i>For 30 Degree Bend, Deduct</i>	-39.91	
26 05 36 00-2540	EA		36" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	122.52	45.07
			<i>For 9" Rung Spacing, Add</i>	1.92	
			<i>For 6" Rung Spacing, Add</i>	8.25	
			<i>For 4" Rung Spacing, Add</i>	15.12	
			<i>For 18" Rung Spacing, Deduct</i>	-1.37	
			<i>For Solid Bottom, Add</i>	26.62	
			<i>For Vented Trough Bottom, Add</i>	30.43	
			<i>For 60 Degree Bend, Deduct</i>	-24.90	
			<i>For 45 Degree Bend, Deduct</i>	-34.32	
			<i>For 30 Degree Bend, Deduct</i>	-43.74	
26 05 36 00-2541			Horizontal Tees <small>(26 05 36 00-2516)</small>		
26 05 36 00-2542	EA		6" Horizontal Tee, Fiberglass Cable Tray	110.88	48.25
			<i>For 9" Rung Spacing, Add</i>	1.35	
			<i>For 6" Rung Spacing, Add</i>	5.78	
			<i>For 4" Rung Spacing, Add</i>	10.59	
			<i>For 18" Rung Spacing, Deduct</i>	-0.96	
			<i>For Solid Bottom, Add</i>	22.41	
			<i>For Vented Trough Bottom, Add</i>	24.45	
26 05 36 00-2543	EA		9" Horizontal Tee, Fiberglass Cable Tray	124.94	56.65
			<i>For 9" Rung Spacing, Add</i>	1.40	
			<i>For 6" Rung Spacing, Add</i>	6.00	
			<i>For 4" Rung Spacing, Add</i>	11.01	
			<i>For 18" Rung Spacing, Deduct</i>	-1.00	
			<i>For Solid Bottom, Add</i>	24.74	
			<i>For Vented Trough Bottom, Add</i>	26.62	
26 05 36 00-2544	EA		12" Horizontal Tee, Fiberglass Cable Tray	142.88	67.55
			<i>For 9" Rung Spacing, Add</i>	1.45	
			<i>For 6" Rung Spacing, Add</i>	6.23	
			<i>For 4" Rung Spacing, Add</i>	11.43	
			<i>For 18" Rung Spacing, Deduct</i>	-1.04	
			<i>For Solid Bottom, Add</i>	27.67	
			<i>For Vented Trough Bottom, Add</i>	29.29	
26 05 36 00-2545	EA		18" Horizontal Tee, Fiberglass Cable Tray	159.59	75.95
			<i>For 9" Rung Spacing, Add</i>	1.60	
			<i>For 6" Rung Spacing, Add</i>	6.86	
			<i>For 4" Rung Spacing, Add</i>	12.57	
			<i>For 18" Rung Spacing, Deduct</i>	-1.14	
			<i>For Solid Bottom, Add</i>	30.80	
			<i>For Vented Trough Bottom, Add</i>	32.52	
26 05 36 00-2546	EA		24" Horizontal Tee, Fiberglass Cable Tray	167.76	79.13
			<i>For 9" Rung Spacing, Add</i>	1.72	
			<i>For 6" Rung Spacing, Add</i>	7.36	
			<i>For 4" Rung Spacing, Add</i>	13.49	
			<i>For 18" Rung Spacing, Deduct</i>	-1.23	
			<i>For Solid Bottom, Add</i>	32.52	
			<i>For Vented Trough Bottom, Add</i>	34.46	
26 05 36 00-2547	EA		30" Horizontal Tee, Fiberglass Cable Tray	179.65	83.67
			<i>For 9" Rung Spacing, Add</i>	1.90	
			<i>For 6" Rung Spacing, Add</i>	8.13	
			<i>For 4" Rung Spacing, Add</i>	14.91	
			<i>For 18" Rung Spacing, Deduct</i>	-1.36	
			<i>For Solid Bottom, Add</i>	35.08	
			<i>For Vented Trough Bottom, Add</i>	37.36	
26 05 36 00-2548	EA		36" Horizontal Tee, Fiberglass Cable Tray	194.98	90.13
			<i>For 9" Rung Spacing, Add</i>	2.10	
			<i>For 6" Rung Spacing, Add</i>	8.98	
			<i>For 4" Rung Spacing, Add</i>	16.47	
			<i>For 18" Rung Spacing, Deduct</i>	-1.50	
			<i>For Solid Bottom, Add</i>	38.23	
			<i>For Vented Trough Bottom, Add</i>	40.84	
26 05 36 00-2549			Horizontal Crosses <small>(26 05 36 00-2516)</small>		
26 05 36 00-2550	EA		6" Horizontal Cross, Fiberglass Cable Tray	174.79	83.67
			<i>For 9" Rung Spacing, Add</i>	1.73	
			<i>For 6" Rung Spacing, Add</i>	7.40	
			<i>For 4" Rung Spacing, Add</i>	13.57	
			<i>For 18" Rung Spacing, Deduct</i>	-1.23	
			<i>For Solid Bottom, Add</i>	33.62	
			<i>For Vented Trough Bottom, Add</i>	35.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2551 EA 9" Horizontal Cross, Fiberglass Cable Tray	185.90	90.13
For 9" Rung Spacing, Add	1.78	
For 6" Rung Spacing, Add	7.62	
For 4" Rung Spacing, Add	13.97	
For 18" Rung Spacing, Deduct	-1.27	
For Solid Bottom, Add	35.51	
For Vented Trough Bottom, Add	37.21	
26 05 36 00-2552 EA 12" Horizontal Cross, Fiberglass Cable Tray	197.02	96.60
For 9" Rung Spacing, Add	1.83	
For 6" Rung Spacing, Add	7.84	
For 4" Rung Spacing, Add	14.37	
For 18" Rung Spacing, Deduct	-1.31	
For Solid Bottom, Add	37.39	
For Vented Trough Bottom, Add	39.00	
26 05 36 00-2553 EA 18" Horizontal Cross, Fiberglass Cable Tray	210.84	102.97
For 9" Rung Spacing, Add	1.98	
For 6" Rung Spacing, Add	8.46	
For 4" Rung Spacing, Add	15.52	
For 18" Rung Spacing, Deduct	-1.41	
For Solid Bottom, Add	40.09	
For Vented Trough Bottom, Add	41.87	
26 05 36 00-2554 EA 24" Horizontal Cross, Fiberglass Cable Tray	223.68	109.43
For 9" Rung Spacing, Add	2.09	
For 6" Rung Spacing, Add	8.94	
For 4" Rung Spacing, Add	16.40	
For 18" Rung Spacing, Deduct	-1.49	
For Solid Bottom, Add	42.50	
For Vented Trough Bottom, Add	44.36	
26 05 36 00-2555 EA 30" Horizontal Cross, Fiberglass Cable Tray	238.60	115.90
For 9" Rung Spacing, Add	2.27	
For 6" Rung Spacing, Add	9.74	
For 4" Rung Spacing, Add	17.85	
For 18" Rung Spacing, Deduct	-1.62	
For Solid Bottom, Add	45.53	
For Vented Trough Bottom, Add	47.67	
26 05 36 00-2556 EA 36" Horizontal Cross, Fiberglass Cable Tray	257.96	124.20
For 9" Rung Spacing, Add	2.51	
For 6" Rung Spacing, Add	10.76	
For 4" Rung Spacing, Add	19.72	
For 18" Rung Spacing, Deduct	-1.79	
For Solid Bottom, Add	49.45	
For Vented Trough Bottom, Add	51.96	
26 05 36 00-2557 Horizontal Wyes (26 05 36 00-2516)		
26 05 36 00-2558 EA 6" Horizontal Wye, Fiberglass Cable Tray	106.99	48.25
For 9" Rung Spacing, Add	1.21	
For 6" Rung Spacing, Add	5.19	
For 4" Rung Spacing, Add	9.52	
For 18" Rung Spacing, Deduct	-0.87	
For Solid Bottom, Add	21.24	
For Vented Trough Bottom, Add	22.89	
26 05 36 00-2559 EA 9" Horizontal Wye, Fiberglass Cable Tray	113.22	51.53
For 9" Rung Spacing, Add	1.26	
For 6" Rung Spacing, Add	5.40	
For 4" Rung Spacing, Add	9.90	
For 18" Rung Spacing, Deduct	-0.90	
For Solid Bottom, Add	22.38	
For Vented Trough Bottom, Add	24.06	
26 05 36 00-2560 EA 12" Horizontal Wye, Fiberglass Cable Tray	138.71	67.55
For 9" Rung Spacing, Add	1.31	
For 6" Rung Spacing, Add	5.61	
For 4" Rung Spacing, Add	10.28	
For 18" Rung Spacing, Deduct	-0.93	
For Solid Bottom, Add	26.42	
For Vented Trough Bottom, Add	27.62	
26 05 36 00-2561 EA 18" Horizontal Wye, Fiberglass Cable Tray	155.02	75.95
For 9" Rung Spacing, Add	1.44	
For 6" Rung Spacing, Add	6.17	
For 4" Rung Spacing, Add	11.31	
For 18" Rung Spacing, Deduct	-1.03	
For Solid Bottom, Add	29.42	
For Vented Trough Bottom, Add	30.69	
26 05 36 00-2562 EA 24" Horizontal Wye, Fiberglass Cable Tray	162.76	79.13
For 9" Rung Spacing, Add	1.54	
For 6" Rung Spacing, Add	6.61	
For 4" Rung Spacing, Add	12.12	
For 18" Rung Spacing, Deduct	-1.10	
For Solid Bottom, Add	31.02	
For Vented Trough Bottom, Add	32.46	
26 05 36 00-2563 EA 30" Horizontal Wye, Fiberglass Cable Tray	174.23	83.67
For 9" Rung Spacing, Add	1.71	
For 6" Rung Spacing, Add	7.32	
For 4" Rung Spacing, Add	13.41	
For 18" Rung Spacing, Deduct	-1.22	
For Solid Bottom, Add	33.45	
For Vented Trough Bottom, Add	35.19	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2564	EA		36" Horizontal Wye, Fiberglass Cable Tray	188.99	90.13
			<i>For 9" Rung Spacing, Add</i>	1.89	
			<i>For 6" Rung Spacing, Add</i>	8.08	
			<i>For 4" Rung Spacing, Add</i>	14.82	
			<i>For 18" Rung Spacing, Deduct</i>	-1.35	
			<i>For Solid Bottom, Add</i>	36.43	
			<i>For Vented Trough Bottom, Add</i>	38.44	
26 05 36 00-2565			Straight Reducers <small>(26 05 36 00-2516)</small>		
26 05 36 00-2566	EA		9"-6" Reducer, Fiberglass Cable Tray.....	48.55	19.30
			<i>For 9" Rung Spacing, Add</i>	0.69	
			<i>For 6" Rung Spacing, Add</i>	2.94	
			<i>For 4" Rung Spacing, Add</i>	5.39	
			<i>For 18" Rung Spacing, Deduct</i>	-0.49	
			<i>For Solid Bottom, Add</i>	10.22	
			<i>For Vented Trough Bottom, Add</i>	11.46	
26 05 36 00-2567	EA		12"-9" Reducer, Fiberglass Cable Tray.....	53.65	22.48
			<i>For 9" Rung Spacing, Add</i>	0.70	
			<i>For 6" Rung Spacing, Add</i>	2.98	
			<i>For 4" Rung Spacing, Add</i>	5.47	
			<i>For 18" Rung Spacing, Deduct</i>	-0.50	
			<i>For Solid Bottom, Add</i>	11.03	
			<i>For Vented Trough Bottom, Add</i>	12.17	
26 05 36 00-2568	EA		18"-12" Reducer, Fiberglass Cable Tray.....	58.75	25.77
			<i>For 9" Rung Spacing, Add</i>	0.71	
			<i>For 6" Rung Spacing, Add</i>	3.02	
			<i>For 4" Rung Spacing, Add</i>	5.54	
			<i>For 18" Rung Spacing, Deduct</i>	-0.50	
			<i>For Solid Bottom, Add</i>	11.84	
			<i>For Vented Trough Bottom, Add</i>	12.89	
26 05 36 00-2569	EA		24"-18" Reducer, Fiberglass Cable Tray.....	63.31	28.27
			<i>For 9" Rung Spacing, Add</i>	0.73	
			<i>For 6" Rung Spacing, Add</i>	3.13	
			<i>For 4" Rung Spacing, Add</i>	5.73	
			<i>For 18" Rung Spacing, Deduct</i>	-0.52	
			<i>For Solid Bottom, Add</i>	12.62	
			<i>For Vented Trough Bottom, Add</i>	13.65	
26 05 36 00-2570	EA		30"-24" Reducer, Fiberglass Cable Tray.....	70.64	30.88
			<i>For 9" Rung Spacing, Add</i>	0.85	
			<i>For 6" Rung Spacing, Add</i>	3.65	
			<i>For 4" Rung Spacing, Add</i>	6.69	
			<i>For 18" Rung Spacing, Deduct</i>	-0.61	
			<i>For Solid Bottom, Add</i>	14.24	
			<i>For Vented Trough Bottom, Add</i>	15.52	
26 05 36 00-2571	EA		36"-30" Reducer, Fiberglass Cable Tray.....	79.40	34.17
			<i>For 9" Rung Spacing, Add</i>	0.99	
			<i>For 6" Rung Spacing, Add</i>	4.24	
			<i>For 4" Rung Spacing, Add</i>	7.77	
			<i>For 18" Rung Spacing, Deduct</i>	-0.71	
			<i>For Solid Bottom, Add</i>	16.15	
			<i>For Vented Trough Bottom, Add</i>	17.69	
26 05 36 00-2572			Vertical Tees <small>(26 05 36 00-2516)</small>		
26 05 36 00-2573	EA		6" Vertical Tee, Fiberglass Cable Tray.....	145.90	48.25
			<i>For 9" Rung Spacing, Add</i>	2.57	
			<i>For 6" Rung Spacing, Add</i>	11.03	
			<i>For 4" Rung Spacing, Add</i>	20.22	
			<i>For 18" Rung Spacing, Deduct</i>	-1.84	
			<i>For Solid Bottom, Add</i>	32.91	
			<i>For Vented Trough Bottom, Add</i>	38.46	
26 05 36 00-2574	EA		9" Vertical Tee, Fiberglass Cable Tray.....	151.64	51.53
			<i>For 9" Rung Spacing, Add</i>	2.61	
			<i>For 6" Rung Spacing, Add</i>	11.17	
			<i>For 4" Rung Spacing, Add</i>	20.47	
			<i>For 18" Rung Spacing, Deduct</i>	-1.86	
			<i>For Solid Bottom, Add</i>	33.91	
			<i>For Vented Trough Bottom, Add</i>	39.43	
26 05 36 00-2575	EA		12" Vertical Tee, Fiberglass Cable Tray.....	176.65	67.55
			<i>For 9" Rung Spacing, Add</i>	2.64	
			<i>For 6" Rung Spacing, Add</i>	11.30	
			<i>For 4" Rung Spacing, Add</i>	20.72	
			<i>For 18" Rung Spacing, Deduct</i>	-1.88	
			<i>For Solid Bottom, Add</i>	37.80	
			<i>For Vented Trough Bottom, Add</i>	42.80	
26 05 36 00-2576	EA		18" Vertical Tee, Fiberglass Cable Tray.....	191.29	75.95
			<i>For 9" Rung Spacing, Add</i>	2.71	
			<i>For 6" Rung Spacing, Add</i>	11.61	
			<i>For 4" Rung Spacing, Add</i>	21.29	
			<i>For 18" Rung Spacing, Deduct</i>	-1.94	
			<i>For Solid Bottom, Add</i>	40.31	
			<i>For Vented Trough Bottom, Add</i>	45.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2577 EA 24" Vertical Tee, Fiberglass Cable Tray	198.06	79.13
For 9" Rung Spacing, Add	2.78	
For 6" Rung Spacing, Add	11.90	
For 4" Rung Spacing, Add	21.82	
For 18" Rung Spacing, Deduct	-1.98	
For Solid Bottom, Add	41.61	
For Vented Trough Bottom, Add	46.58	
26 05 36 00-2578 EA 30" Vertical Tee, Fiberglass Cable Tray	206.62	83.67
For 9" Rung Spacing, Add	2.84	
For 6" Rung Spacing, Add	12.18	
For 4" Rung Spacing, Add	22.32	
For 18" Rung Spacing, Deduct	-2.03	
For Solid Bottom, Add	43.17	
For Vented Trough Bottom, Add	48.15	
26 05 36 00-2579 EA 36" Vertical Tee, Fiberglass Cable Tray	224.77	90.13
For 9" Rung Spacing, Add	3.14	
For 6" Rung Spacing, Add	13.45	
For 4" Rung Spacing, Add	24.66	
For 18" Rung Spacing, Deduct	-2.24	
For Solid Bottom, Add	47.17	
For Vented Trough Bottom, Add	52.76	
26 05 36 00-2580 Flextray™ Cable Tray <small>(26 05 36 00-0001)</small>		
26 05 36 00-2581 Flextray™ Cable Tray Straight Sections <small>(26 05 36 00-2580)</small>		
Note: Includes splicing and splice bars.		
26 05 36 00-2582 LF 2" Deep x 2" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	16.92	6.08
26 05 36 00-2583 LF 2" Deep x 4" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	20.76	6.48
26 05 36 00-2584 LF 2" Deep x 6" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	21.79	6.77
26 05 36 00-2585 LF 2" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	22.91	7.12
26 05 36 00-2586 LF 2" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	24.46	7.46
26 05 36 00-2587 LF 2" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	26.18	7.82
26 05 36 00-2588 LF 2" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	26.86	8.17
26 05 36 00-2589 LF 2" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	27.86	8.40
26 05 36 00-2590 LF 2" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	28.47	8.63
26 05 36 00-2591 LF 4" Deep x 4" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	21.82	7.14
26 05 36 00-2592 LF 4" Deep x 6" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	23.62	7.43
26 05 36 00-2593 LF 4" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	25.51	7.82
26 05 36 00-2594 LF 4" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	27.04	8.21
26 05 36 00-2595 LF 4" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	28.71	8.59
26 05 36 00-2596 LF 4" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	30.88	8.98
26 05 36 00-2597 LF 4" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	32.57	9.27
26 05 36 00-2598 LF 4" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	33.84	9.46
26 05 36 00-2599 LF 4" Deep x 30" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	42.20	10.13
26 05 36 00-2600 LF 6" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	28.27	8.59
26 05 36 00-2601 LF 6" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	31.80	8.98
26 05 36 00-2602 LF 6" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	33.27	9.36
26 05 36 00-2603 LF 6" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	35.73	9.84
26 05 36 00-2604 LF 6" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	36.86	10.04
26 05 36 00-2605 LF 6" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	44.27	10.33
26 05 36 00-2606 Flextray™ Cable Tray Bends <small>(26 05 36 00-2580)</small>		
Note: Includes field fabricated bend and 90 degree kit.		
26 05 36 00-2607 EA 2" Deep x 2" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	12.71	4.54
Note: Field Fabricated		
26 05 36 00-2608 EA 2" Deep x 4" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	15.58	4.83
Note: Field Fabricated		
26 05 36 00-2609 EA 2" Deep x 6" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	21.79	6.75
Note: Field Fabricated		
26 05 36 00-2610 EA 2" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	34.41	10.71
Note: Field Fabricated		
26 05 36 00-2611 EA 2" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	48.94	14.96
Note: Field Fabricated		
26 05 36 00-2612 EA 2" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	65.51	19.59
Note: Field Fabricated		
26 05 36 00-2613 EA 2" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	75.95	24.51
Note: Field Fabricated		
26 05 36 00-2614 EA 2" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	90.60	29.44
Note: Field Fabricated		
26 05 36 00-2615 EA 2" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	113.89	34.55
Note: Field Fabricated		
26 05 36 00-2616 EA 4" Deep x 4" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	16.33	5.31
Note: Field Fabricated		
26 05 36 00-2617 EA 4" Deep x 6" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	23.64	7.43
Note: Field Fabricated		
26 05 36 00-2618 EA 4" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	38.25	11.77
Note: Field Fabricated		
26 05 36 00-2619 EA 4" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	54.08	16.40
Note: Field Fabricated		
26 05 36 00-2620 EA 4" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	71.73	21.52
Note: Field Fabricated		

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2621 EA 4" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish.....	87.06	26.92
Note: Field Fabricated		
26 05 36 00-2622 EA 4" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish.....	105.36	32.33
Note: Field Fabricated		
26 05 36 00-2623 EA 4" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish.....	135.36	37.92
Note: Field Fabricated		
26 05 36 00-2624 EA 4" Deep x 30" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish.....	211.10	50.67
Note: Field Fabricated		
26 05 36 00-2625 EA 6" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish.....	42.35	12.83
Note: Field Fabricated		
26 05 36 00-2626 EA 6" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish.....	63.64	17.94
Note: Field Fabricated		
26 05 36 00-2627 EA 6" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish.....	83.19	23.45
Note: Field Fabricated		
26 05 36 00-2628 EA 6" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish.....	100.42	29.44
Note: Field Fabricated		
26 05 36 00-2629 EA 6" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish.....	118.99	35.23
Note: Field Fabricated		
26 05 36 00-2630 EA 6" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish.....	177.09	41.40
Note: Field Fabricated		
26 05 36 00-2631 Flextray™ Cable Tray Brackets (26 05 36 00-2580)		
26 05 36 00-2632 EA 6" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™.....	32.27	12.73
26 05 36 00-2633 EA 8" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™.....	34.09	12.73
26 05 36 00-2634 EA 12" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™.....	37.20	12.73
26 05 36 00-2635 EA 16" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™.....	44.79	13.90
26 05 36 00-2636 EA 18" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™.....	47.50	13.90
26 05 36 00-2637 EA 20" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™.....	48.41	13.90
26 05 36 00-2638 EA 24" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™.....	49.22	13.90
26 05 39 Underfloor Raceways for Electrical Systems (26 05)		
26 05 39 00-0001 Underfloor Ducts (26 05 39)		
26 05 39 00-0002 Straight Duct Sections 10' Long, 14 Gauge Steel (26 05 39 00-0001)		
26 05 39 00-0003 Standard Ducts, 3.8 Square Inches (26 05 39 00-0002)		
26 05 39 00-0004 EA Standard Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 3.8 Square Inches.....	76.61	16.98
26 05 39 00-0005 EA Standard Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 3.8 Square Inches.....	95.99	19.88
26 05 39 00-0006 Large Capacity Ducts, 8.9 Square Inches (26 05 39 00-0002)		
26 05 39 00-0007 EA Large Capacity Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 8.9 Square Inches.....	125.58	21.52
26 05 39 00-0008 EA Large Capacity Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 8.9 Square Inches.....	143.57	23.84
26 05 39 00-0009 Junction Boxes (26 05 39 00-0001)		
26 05 39 00-0010 One Level Junction Boxes (26 05 39 00-0009)		
26 05 39 00-0011 EA 1 Level UF Duct Junction Box, 1 Standard Duct Without Partitions In Box.....	191.72	33.77
26 05 39 00-0012 EA 1 Level UF Duct Junction Box, 1 Large Duct Without Partitions In Box.....	216.41	36.19
26 05 39 00-0013 EA 1 Level UF Duct Junction Box, 1 Standard And Large Duct Per Side With Partitions In Box.....	340.67	33.77
Note: Isolate each duct and form a continuous raceway through the box in both directions.		
26 05 39 00-0014 EA 1 Level UF Duct Junction Box, 2 Standard Ducts Per Side With Partitions In Box.....	235.84	36.19
26 05 39 00-0015 EA 1 Level UF Duct Junction Box, 3 Standard Ducts Per Side With Partitions In Box.....	371.33	47.57
26 05 39 00-0016 EA 1 Level UF Duct Junction Box, 2 Large Ducts Per Side With Partitions In Box Duct.....	516.40	51.73
26 05 39 00-0017 Two Level Junction Boxes (26 05 39 00-0009)		
26 05 39 00-0018 EA 2 Level UF Duct Junction Box, 2 Standard Duct Cross, Intersects At Right Angles, Raceway Bottom Level.....	773.16	34.17
Note: Accepts two standard ducts to form a continuous raceway at right angles to the top level raceway.		
26 05 39 00-0019 EA 2 Level UF Duct Junction Box, 2 Large Duct Bottom Level: Accepts Two Large Capacity Ducts.....	888.63	36.19
26 05 39 00-0020 Elbow Fittings (26 05 39 00-0001)		
26 05 39 00-0021 90 Degree Horizontal Elbow (26 05 39 00-0020)		
26 05 39 00-0022 EA Underfloor Standard Duct Horizontal Elbow Fitting, 90 Degree.....	92.39	12.44
26 05 39 00-0023 EA Underfloor Large Duct Horizontal Elbow Fitting, 90 Degree.....	95.06	12.44
26 05 39 00-0024 90 Degree Vertical Elbow (26 05 39 00-0020)		
26 05 39 00-0025 EA Underfloor Standard Duct Vertical Elbow Fitting, 90 Degree.....	53.53	12.44
26 05 39 00-0026 EA Underfloor Large Duct Vertical Elbow Fitting, 90 Degree.....	54.60	12.44
26 05 39 00-0027 Offset Elbow (26 05 39 00-0020)		
Note: Two elbows required for crossover or crossunder.		
26 05 39 00-0028 EA Underfloor Standard Duct Offset Elbow 45 Degree, 2 Required For Over-Under.....	53.53	14.48



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 39 00-0029 EA Underfloor Large Duct Offset Elbow 45 Degree, 2 Required For Over-Under	54.60	14.48
26 05 39 00-0030 Couplings <small>(26 05 39 00-0001)</small>		
26 05 39 00-0031 Sleeve Couplings <small>(26 05 39 00-0030)</small>		
26 05 39 00-0032 EA Underfloor Standard Duct Sleeve Coupling	36.27	19.30
26 05 39 00-0033 EA Underfloor Large Duct Sleeve Coupling	57.00	19.30
26 05 39 00-0034 Expansion Couplings <small>(26 05 39 00-0030)</small>		
26 05 39 00-0035 EA Underfloor Standard Duct Expansion Coupling	77.56	19.30
26 05 39 00-0036 EA Underfloor Large Duct Expansion Coupling	78.89	20.36
26 05 39 00-0037 Reducing Couplings <small>(26 05 39 00-0030)</small>		
26 05 39 00-0038 EA Reducing Coupling, Large To Standard Duct Underfloor Duct Coupling	69.28	2.90
26 05 39 00-0039 Duct Supports <small>(26 05 39 00-0001)</small>		
26 05 39 00-0040 Combination Support And Coupling <small>(26 05 39 00-0039)</small>		
<small>Note: Includes leveling legs and anchoring feet.</small>		
26 05 39 00-0041 EA 1 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	83.50	40.53
26 05 39 00-0042 EA 2 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	93.36	40.53
26 05 39 00-0043 EA 3 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	103.30	40.53
26 05 39 00-0044 EA 1 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	93.36	45.36
26 05 39 00-0045 EA 2 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	113.47	45.36
26 05 39 00-0046 EA 1 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	103.30	48.25
26 05 39 00-0047 EA 2 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	103.30	48.25
26 05 39 00-0048 EA 1 Standard And 2 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	113.47	48.25
26 05 39 00-0049 Duct Support Only <small>(26 05 39 00-0039)</small>		
<small>Note: Includes leveling legs and anchoring feet.</small>		
26 05 39 00-0050 EA 1 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	74.78	35.71
26 05 39 00-0051 EA 2 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	87.88	35.71
26 05 39 00-0052 EA 3 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	101.82	35.71
26 05 39 00-0053 Underfloor Duct Accessories <small>(26 05 39 00-0001)</small>		
26 05 39 00-0054 Plugs For Unused Junction Box Openings And Duct Ends <small>(26 05 39 00-0053)</small>		
26 05 39 00-0055 EA Standard Plugs For Unused Junction Box Opening And Underfloor Duct Ends	22.92	2.90
26 05 39 00-0056 EA Large Plugs For Unused Junction Box Opening And Underfloor Duct Ends	23.43	2.90
26 05 39 00-0057 Conduit Adapters <small>(26 05 39 00-0053)</small>		
26 05 39 00-0058 EA One 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	27.48	4.83
26 05 39 00-0059 EA Two 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	29.27	4.83
26 05 39 00-0060 EA One 2" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	28.47	4.83
26 05 39 00-0061 EA Three 1-1/4" Conduit To Large Duct Underfloor Conduit To Duct, Adapter	29.48	4.83
26 05 39 00-0062 Holders And Caps <small>(26 05 39 00-0053)</small>		
26 05 39 00-0063 EA Tile Holder, Underfloor Duct Accessories	182.18	40.53
26 05 39 00-0064 EA Terrazzo Holder, Underfloor Duct Accessories	336.11	40.53
26 05 39 00-0065 EA Closing Caps For Inserts, Underfloor Duct Accessories	2.43	0.96
26 05 39 00-0066 Underfloor Dust Pans <small>(26 05 39 00-0001)</small>		
26 05 39 00-0067 EA Underfloor Dust Carpet Pan	75.16	5.29
26 05 43 Underground Ducts And Raceways For Electrical Systems <small>(26 05)</small>		
<small>Note: Underground utilities and conduits include warning tape.</small>		
26 05 43 00-0001 Precast Concrete Trenches, One Piece Pedestrian Trench <small>(26 05 43)</small>		
<small>Note: Rated for 200 PSF Pedestrian Weight. Excludes excavation, removal of dirt and sand bedding.</small>		
26 05 43 00-0002 10" Wide Pedestrian Trench <small>(26 05 43 00-0001)</small>		
26 05 43 00-0003 LF Base, Solid Bottom 10" Wide x 15" Deep Pedestrian Trench	54.63	
26 05 43 00-0004 LF Base, Open Bottom 10" Wide x 15" Deep Pedestrian Trench	52.48	
26 05 43 00-0005 LF Base, Solid Bottom 10" Wide x 24" Deep Pedestrian Trench	75.87	
26 05 43 00-0006 LF Base, Open Bottom 10" Wide x 24" Deep Pedestrian Trench	72.87	
26 05 43 00-0007 EA End Wall, 10" Wide x 15" Deep Pedestrian Trench	38.66	
26 05 43 00-0008 EA End Wall, 10" Wide x 24" Deep Pedestrian Trench	46.87	
26 05 43 00-0009 LF Lid, Concrete, 10" Wide Pedestrian Trench	36.42	
26 05 43 00-0010 20" Wide Pedestrian Trench <small>(26 05 43 00-0001)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 43 Underground Ducts And Raceways For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0011	LF		Base, Solid Bottom 20" Wide x 15" Deep Pedestrian Trench	69.88	
26 05 43 00-0012	LF		Base, Open Bottom 20" Wide x 15" Deep Pedestrian Trench	66.06	
26 05 43 00-0013	LF		Base, Solid Bottom 20" Wide x 24" Deep Pedestrian Trench	95.31	
26 05 43 00-0014	LF		Base, Open Bottom 20" Wide x 24" Deep Pedestrian Trench	91.84	
26 05 43 00-0015	EA		End Wall, 20" Wide x 15" Deep Pedestrian Trench	49.08	
26 05 43 00-0016	EA		End Wall, 20" Wide x 24" Deep Pedestrian Trench	71.41	
26 05 43 00-0017	LF		Lid, Concrete, 20" Wide Pedestrian Trench	45.54	
26 05 43 00-0018			30" Wide Pedestrian Trench (26 05 43 00-0001)		
26 05 43 00-0019	LF		Base, Solid Bottom 30" Wide x 15" Deep Pedestrian Trench	90.88	
26 05 43 00-0020	LF		Base, Open Bottom 30" Wide x 15" Deep Pedestrian Trench	104.86	
26 05 43 00-0021	LF		Base, Solid Bottom 30" Wide x 24" Deep Pedestrian Trench	113.35	
26 05 43 00-0022	LF		Base, Open Bottom 30" Wide x 24" Deep Pedestrian Trench	109.39	
26 05 43 00-0023	EA		End Wall, 30" Wide x 15" Deep Pedestrian Trench	70.92	
26 05 43 00-0024	EA		End Wall, 30" Wide x 24" Deep Pedestrian Trench	94.69	
26 05 43 00-0025	LF		Lid, Concrete, 30" Wide Pedestrian Trench	56.65	
26 05 43 00-0026			40" Wide Pedestrian Trench (26 05 43 00-0001)		
26 05 43 00-0027	LF		Base, Solid Bottom 40" Wide x 15" Deep Pedestrian Trench	109.78	
26 05 43 00-0028	LF		Base, Open Bottom 40" Wide x 15" Deep Pedestrian Trench	106.18	
26 05 43 00-0029	LF		Base, Solid Bottom 40" Wide x 24" Deep Pedestrian Trench	134.26	
26 05 43 00-0030	LF		Base, Open Bottom 40" Wide x 24" Deep Pedestrian Trench	129.86	
26 05 43 00-0031	EA		End Wall, 40" Wide x 15" Deep Pedestrian Trench	90.78	
26 05 43 00-0032	EA		End Wall, 40" Wide x 24" Deep Pedestrian Trench	121.09	
26 05 43 00-0033	LF		Lid, Concrete, 40" Wide Pedestrian Trench	67.32	
26 05 43 00-0034			Precast Concrete Trenches, One Piece Medium Vehicle Trench (26 05 43)		
			Note: Rated for 7000 lbs Gross Vehicle Weight. Excludes excavation, removal of dirt and sand bedding.		
26 05 43 00-0035			10" Wide Medium Vehicle Trench (26 05 43 00-0034)		
26 05 43 00-0036	LF		Base, Solid Bottom 10" Wide x 15" Deep Medium Vehicle Trench	65.22	
26 05 43 00-0037	LF		Base, Open Bottom 10" Wide x 15" Deep Medium Vehicle Trench	62.42	
26 05 43 00-0038	LF		Base, Solid Bottom 10" Wide x 24" Deep Medium Vehicle Trench	90.55	
26 05 43 00-0039	LF		Base Open Bottom 10" Wide x 24" Deep Medium Vehicle Trench	86.69	
26 05 43 00-0040	EA		End Wall, 10" Wide x 15" Deep Medium Vehicle Trench	44.55	
26 05 43 00-0041	EA		End Wall, 10" Wide x 24" Deep Medium Vehicle Trench	53.03	
26 05 43 00-0042	LF		Lid, Concrete 10" Wide Medium Vehicle Trench	43.48	
26 05 43 00-0043	LF		Lid, Galvanized Steel 10" Wide Medium Vehicle Trench	180.47	
26 05 43 00-0044			20" Wide Medium Vehicle Trench (26 05 43 00-0034)		
26 05 43 00-0045	LF		Base, Solid Bottom 20" Wide x 15" Deep Medium Vehicle Trench	82.80	
26 05 43 00-0046	LF		Base, Open Bottom 20" Wide x 15" Deep Medium Vehicle Trench	77.88	
26 05 43 00-0047	LF		Base, Solid Bottom 20" Wide x 24" Deep Medium Vehicle Trench	112.35	
26 05 43 00-0048	LF		Base Open Bottom 20" Wide x 24" Deep Medium Vehicle Trench	107.86	
26 05 43 00-0049	EA		End Wall, 20" Wide x 15" Deep Medium Vehicle Trench	55.89	
26 05 43 00-0050	EA		End Wall, 20" Wide x 24" Deep Medium Vehicle Trench	81.43	
26 05 43 00-0051	LF		Lid, Concrete 20" Wide Medium Vehicle Trench	54.37	
26 05 43 00-0052	LF		Lid, Galvanized Steel 20" Wide Medium Vehicle Trench	239.13	
26 05 43 00-0053			30" Wide Medium Vehicle Trench (26 05 43 00-0034)		
26 05 43 00-0054	LF		Base, Solid Bottom 30" Wide x 15" Deep Medium Vehicle Trench	86.96	
26 05 43 00-0055	LF		Base, Open Bottom 30" Wide x 15" Deep Medium Vehicle Trench	102.13	
26 05 43 00-0056	LF		Base, Solid Bottom 30" Wide x 24" Deep Medium Vehicle Trench	132.74	
26 05 43 00-0057	LF		Base Open Bottom 30" Wide x 24" Deep Medium Vehicle Trench	127.63	
26 05 43 00-0058	EA		End Wall, 30" Wide x 15" Deep Medium Vehicle Trench	80.31	
26 05 43 00-0059	EA		End Wall, 30" Wide x 24" Deep Medium Vehicle Trench	108.59	
26 05 43 00-0060	LF		Lid, Concrete 30" Wide Medium Vehicle Trench	67.83	
26 05 43 00-0061	LF		Lid, Galvanized Steel 30" Wide Medium Vehicle Trench	298.36	
26 05 43 00-0062			40" Wide Medium Vehicle Trench (26 05 43 00-0034)		
26 05 43 00-0063	LF		Base, Solid Bottom 40" Wide x 15" Deep Medium Vehicle Trench	127.41	
26 05 43 00-0064	LF		Base, Open Bottom 40" Wide x 15" Deep Medium Vehicle Trench	122.76	
26 05 43 00-0065	LF		Base, Solid Bottom 40" Wide x 24" Deep Medium Vehicle Trench	155.88	
26 05 43 00-0066	LF		Base Open Bottom 40" Wide x 24" Deep Medium Vehicle Trench	150.18	
26 05 43 00-0067	EA		End Wall, 40" Wide x 15" Deep Medium Vehicle Trench	102.81	
26 05 43 00-0068	EA		End Wall, 40" Wide x 24" Deep Medium Vehicle Trench	138.84	
26 05 43 00-0069	LF		Lid, Concrete 40" Wide Medium Vehicle Trench	80.24	
26 05 43 00-0070	LF		Lid, Galvanized Steel 40" Wide Medium Vehicle Trench	405.22	
26 05 43 00-0071			Precast Concrete Trenches, One Piece H20 Road Crossing Trench (26 05 43)		
			Note: H20 Rated for 32000 lbs Gross Vehicle Weight. Excludes excavation, removal of dirt and sand bedding.		
26 05 43 00-0072			10" Wide H20 Road Crossing Trench (26 05 43 00-0071)		
26 05 43 00-0073	LF		Base, Solid Bottom for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	135.02	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0074	LF		Base, Open Bottom for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	128.75	
26 05 43 00-0075	LF		Base, Solid Bottom for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	169.39	
26 05 43 00-0076	LF		Base, Open Bottom for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	161.48	
26 05 43 00-0077	LF		Base, Solid Bottom for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	129.86	
26 05 43 00-0078	LF		Base, Open Bottom for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	123.88	
26 05 43 00-0079	LF		Base, Solid Bottom for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	164.22	
26 05 43 00-0080	LF		Base, Open Bottom for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	156.63	
26 05 43 00-0081	EA		End Wall for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	91.07	
26 05 43 00-0082	EA		End Wall for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	123.44	
26 05 43 00-0083	EA		End Wall for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	82.87	
26 05 43 00-0084	EA		End Wall for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	115.06	
26 05 43 00-0085	LF		Lid, Concrete 10" Wide Road Crossing Trench	63.39	
26 05 43 00-0086	LF		Lid, Galvanized Steel 10" Wide Road Crossing Trench	195.62	
26 05 43 00-0087			20" Wide H20 Road Crossing Trench <small>(26 05 43 00-0071)</small>		
26 05 43 00-0088	LF		Base, Solid Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	144.85	
26 05 43 00-0089	LF		Base, Open Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	138.41	
26 05 43 00-0090	LF		Base, Solid Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	192.49	
26 05 43 00-0091	LF		Base, Open Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	183.88	
26 05 43 00-0092	LF		Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench	144.85	
26 05 43 00-0093	LF		Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench	138.41	
26 05 43 00-0094	LF		Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench	187.32	
26 05 43 00-0095	LF		Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench	179.04	
26 05 43 00-0096	EA		End Wall for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	129.86	
26 05 43 00-0097	EA		End Wall for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	177.32	
26 05 43 00-0098	EA		End Wall for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench	117.92	
26 05 43 00-0099	EA		End Wall for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench	165.38	
26 05 43 00-0100	LF		Lid, Concrete 20" Wide Road Crossing Trench	71.16	
26 05 43 00-0101	LF		Lid, Galvanized Steel 20" Wide Road Crossing Trench	289.58	
26 05 43 00-0102			30" Wide H20 Road Crossing Trench <small>(26 05 43 00-0071)</small>		
26 05 43 00-0103	LF		Base, Solid Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	173.38	
26 05 43 00-0104	LF		Base, Open Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	166.02	
26 05 43 00-0105	LF		Base, Solid Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	214.17	
26 05 43 00-0106	LF		Base, Open Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	205.02	
26 05 43 00-0107	LF		Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench	168.21	
26 05 43 00-0108	LF		Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench	161.15	
26 05 43 00-0109	LF		Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench	209.00	
26 05 43 00-0110	LF		Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench	199.99	
26 05 43 00-0111	EA		End Wall for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	174.43	
26 05 43 00-0112	EA		End Wall for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	229.80	
26 05 43 00-0113	EA		End Wall for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench	158.74	
26 05 43 00-0114	EA		End Wall for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench	214.11	
26 05 43 00-0115	LF		Lid, Concrete 30" Wide Road Crossing Trench	89.79	
26 05 43 00-0116	LF		Lid, Galvanized Steel 30" Wide Road Crossing Trench	362.94	
26 05 43 00-0117			40" Wide H20 Road Crossing Trench <small>(26 05 43 00-0071)</small>		
26 05 43 00-0118	LF		Base, Solid Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	193.32	
26 05 43 00-0119	LF		Base, Open Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	185.41	
26 05 43 00-0120	LF		Base, Solid Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	237.82	
26 05 43 00-0121	LF		Base, Open Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	227.90	
26 05 43 00-0122	LF		Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench	188.15	
26 05 43 00-0123	LF		Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench	180.56	
26 05 43 00-0124	LF		Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench	232.65	
26 05 43 00-0125	LF		Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench	223.03	
26 05 43 00-0126	EA		End Wall for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	216.89	
26 05 43 00-0127	EA		End Wall for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	285.54	
26 05 43 00-0128	EA		End Wall for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench	197.64	
26 05 43 00-0129	EA		End Wall for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench	266.29	
26 05 43 00-0130	LF		Lid, Concrete 40" Wide Road Crossing Trench	108.67	
26 05 43 00-0131	LF		Lid, Galvanized Steel 40" Wide Road Crossing Trench	493.10	
26 05 43 00-0132			Duct Bank <small>(26 05 43)</small>		
<p>Note: Installation of single or multiple configuration underground utility raceways to have 3" concrete leveling base and encased in concrete envelope. Based on 100' run, minimum 30" bury depth. Labor units include material handling, unloading at job site, layout of job, measuring, cutting and fabrication, installation in trench using the appropriate supports, cleaning to remove any obstructions and installation of nylon pull string. Excludes trenching, concrete, backfilling, grading and seeding. Duct Banks are to be installed according to the appropriate sections of the accompanying specifications. Individual rows to be stacked for larger duct bank configurations.</p>					
26 05 43 00-0133			Rigid Galvanized Steel Conduit, Galvanized Rigid Conduit (GRC) Or Rigid Galvanized Steel (RGS), Duct Bank <small>(26 05 43 00-0132)</small>		
<p>Note: Includes appropriate spacers and fittings.</p>					
26 05 43 00-0134	LF		2 At 2", Rigid Galvanized Conduit Duct Bank	23.62	
26 05 43 00-0135	LF		4 At 2", Rigid Galvanized Conduit Duct Bank	47.28	
26 05 43 00-0136	LF		2 At 3", Rigid Galvanized Conduit Duct Bank	48.26	
26 05 43 00-0137	LF		4 At 3", Rigid Galvanized Conduit Duct Bank	96.78	

26 Electrical**26 05 Common Work Results For Electrical****26 05 43 Underground Ducts And Raceways For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0138 LF 2 At 4", Rigid Galvanized Conduit Duct Bank	70.95	
26 05 43 00-0139 LF 4 At 4", Rigid Galvanized Conduit Duct Bank	142.78	
26 05 43 00-0140 LF 6 At 4", Rigid Galvanized Conduit Duct Bank	214.94	
26 05 43 00-0141 LF 2 At 5", Rigid Galvanized Conduit Duct Bank	130.39	
26 05 43 00-0142 LF 4 At 5", Rigid Galvanized Conduit Duct Bank	259.89	
26 05 43 00-0143 LF 6 At 5", Rigid Galvanized Conduit Duct Bank	401.24	
26 05 43 00-0144 LF 2 At 6", Rigid Galvanized Conduit Duct Bank	185.59	
26 05 43 00-0145 LF 4 At 6", Rigid Galvanized Conduit Duct Bank	372.47	
26 05 43 00-0146 LF 6 At 6", Rigid Galvanized Conduit Duct Bank	553.39	
26 05 43 00-0147 Polyvinyl Chloride (PVC), Type EB Duct Bank System <small>(26 05 43 00-0132)</small>		
Note: Includes appropriate spacers and fittings.		
26 05 43 00-0148 LF 1 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	6.27	
26 05 43 00-0149 LF 2 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	13.77	
26 05 43 00-0150 LF 4 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	26.43	
26 05 43 00-0151 LF 1 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	8.31	
26 05 43 00-0152 LF 2 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	16.57	
26 05 43 00-0153 LF 4 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	33.67	
26 05 43 00-0154 LF 1 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	11.11	
26 05 43 00-0155 LF 2 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	22.23	
26 05 43 00-0156 LF 4 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	44.51	
26 05 43 00-0157 LF 6 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	66.74	
26 05 43 00-0158 LF 1 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	14.06	
26 05 43 00-0159 LF 2 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	28.09	
26 05 43 00-0160 LF 4 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	54.40	
26 05 43 00-0161 LF 6 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	77.16	
26 05 43 00-0162 LF 1 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	24.92	
26 05 43 00-0163 LF 2 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	38.07	
26 05 43 00-0164 LF 4 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	76.30	
26 05 43 00-0165 LF 6 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	123.30	
26 05 43 00-0166 Polyvinyl Chloride (PVC), Type DB Duct Bank System <small>(26 05 43 00-0132)</small>		
Note: Includes appropriate spacers and fittings.		
26 05 43 00-0167 LF 1 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	6.96	
26 05 43 00-0168 LF 2 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	15.21	
26 05 43 00-0169 LF 4 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	29.13	
26 05 43 00-0170 LF 1 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	8.63	
26 05 43 00-0171 LF 2 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	17.23	
26 05 43 00-0172 LF 4 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	34.34	
26 05 43 00-0173 LF 1 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	11.38	
26 05 43 00-0174 LF 2 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	22.78	
26 05 43 00-0175 LF 4 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	45.60	
26 05 43 00-0176 LF 6 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	68.37	
26 05 43 00-0177 LF 1 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	14.47	
26 05 43 00-0178 LF 2 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	28.91	
26 05 43 00-0179 LF 4 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	56.04	
26 05 43 00-0180 LF 6 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	79.63	
26 05 43 00-0181 LF 1 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	25.49	
26 05 43 00-0182 LF 2 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	39.25	
26 05 43 00-0183 LF 4 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	78.66	
26 05 43 00-0184 LF 6 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	126.84	
26 05 43 00-0185 Male Or Female Adapters <small>(26 05 43 00-0132)</small>		
26 05 43 00-0186 EA 2" Adapter	32.99	
26 05 43 00-0187 EA 3" Adapter	47.18	
26 05 43 00-0188 EA 4" Adapter	60.84	
26 05 43 00-0189 EA 5" Adapter	91.98	
26 05 43 00-0190 EA 6" Adapter	114.02	
26 05 46 Utility Poles for Electrical Systems <small>(26 05)</small>		
26 05 46 00-0001 Wood Poles <small>(26 05 46)</small>		
26 05 46 00-0002 Wood Pole, Class 3, Penta-Treated To 8 LB Retention <small>(26 05 46 00-0001)</small>		
Note: Machine dig and set.		
26 05 46 00-0003 EA 25' Treated Wood Pole, Class 3, Machine Dig And Set	710.11	250.22
For Class 1 Pole, Add	73.36	
For Class 2 Pole, Add	41.92	
For Class 4 Pole, Deduct	-20.96	
For Class 5 Pole, Deduct	-62.88	
For Class 6 Pole, Deduct	-83.84	
26 05 46 00-0004 EA 30' Treated Wood Pole, Class 3, Machine Dig And Set	839.84	277.61
For Class 1 Pole, Add	99.60	
For Class 2 Pole, Add	56.91	
For Class 4 Pole, Deduct	-28.46	
For Class 5 Pole, Deduct	-85.37	
For Class 6 Pole, Deduct	-113.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0005 EA 35' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,092.07	367.17
For Class 1 Pole, Add	125.24	
For Class 2 Pole, Add	71.57	
For Class 4 Pole, Deduct	-35.78	
For Class 5 Pole, Deduct	-107.35	
For Class 6 Pole, Deduct	-143.14	
26 05 46 00-0006 EA 40' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,242.19	403.85
For Class 1 Pole, Add	152.08	
For Class 2 Pole, Add	86.90	
For Class 4 Pole, Deduct	-43.45	
For Class 5 Pole, Deduct	-130.36	
For Class 6 Pole, Deduct	-173.81	
26 05 46 00-0007 EA 45' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,414.28	449.79
For Class 1 Pole, Add	180.11	
For Class 2 Pole, Add	102.92	
For Class 4 Pole, Deduct	-51.46	
For Class 5 Pole, Deduct	-154.38	
For Class 6 Pole, Deduct	-205.84	
26 05 46 00-0008 EA 50' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,605.97	504.80
For Class 1 Pole, Add	208.74	
For Class 2 Pole, Add	119.28	
For Class 4 Pole, Deduct	-59.64	
For Class 5 Pole, Deduct	-178.92	
For Class 6 Pole, Deduct	-238.56	
26 05 46 00-0009 EA 55' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,792.14	555.23
For Class 1 Pole, Add	238.56	
For Class 2 Pole, Add	136.32	
For Class 4 Pole, Deduct	-68.16	
For Class 5 Pole, Deduct	-204.48	
For Class 6 Pole, Deduct	-272.64	
26 05 46 00-0010 EA 60' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,998.24	610.56
For Class 1 Pole, Add	271.96	
For Class 2 Pole, Add	155.41	
For Class 4 Pole, Deduct	-77.70	
For Class 5 Pole, Deduct	-233.11	
For Class 6 Pole, Deduct	-310.81	
26 05 46 00-0011 EA 65' Treated Wood Pole, Class 3, Machine Dig And Set.....	3,121.38	665.47
For Class 1 Pole, Add	626.64	
For Class 2 Pole, Add	358.08	
For Class 4 Pole, Deduct	-179.04	
For Class 5 Pole, Deduct	-537.12	
For Class 6 Pole, Deduct	-716.16	
26 05 46 00-0012 EA 70' Treated Wood Pole, Class 3, Machine Dig And Set.....	3,417.44	707.90
For Class 1 Pole, Add	700.57	
For Class 2 Pole, Add	400.32	
For Class 4 Pole, Deduct	-200.16	
For Class 5 Pole, Deduct	-600.49	
For Class 6 Pole, Deduct	-800.65	
26 05 46 00-0013 EA 75' Treated Wood Pole, Class 3, Machine Dig And Set.....	3,746.64	756.09
For Class 1 Pole, Add	782.05	
For Class 2 Pole, Add	446.88	
For Class 4 Pole, Deduct	-223.44	
For Class 5 Pole, Deduct	-670.33	
For Class 6 Pole, Deduct	-893.77	
26 05 46 00-0014 Removal And Relocation Of Wood Poles With Cross Arm (26 05 46 00-0001)		
26 05 46 00-0015 LF Removal And Relocation Of Up To 75' Wood Pole With Cross Arms.....	21.32	
26 05 46 00-0016 Crossarms (26 05 46) Note: Includes hardware and braces.		
26 05 46 00-0017 Wood Single Arm Crossarms (26 05 46 00-0016)		
26 05 46 00-0018 EA 3-1/2" x 4-1/2" x 5'-7", Single Arm Wood Crossarm, With Hardware And Braces.....	168.87	74.62
26 05 46 00-0019 EA 3-1/2" x 4-1/2" x 8'-0", Single Arm Wood Crossarm, With Hardware And Braces.....	205.53	74.62
26 05 46 00-0020 EA 3-3/4" x 4-3/4" x 10'-0", Single Arm Wood Crossarm, With Hardware And Braces.....	216.54	95.95
26 05 46 00-0021 Wood Double Arm Crossarms (26 05 46 00-0016)		
26 05 46 00-0022 EA 3-1/2" x 4-1/2" x 5'-7", Double Arm Wood Crossarm, With Hardware And Braces.....	439.77	207.90
26 05 46 00-0023 EA 3-1/2" x 4-1/2" x 8'-0", Double Arm Wood Crossarm, With Hardware And Braces.....	466.90	207.90
26 05 46 00-0024 EA 3-3/4" x 4-3/4" x 10'-0", Double Arm Wood Crossarm, With Hardware And Braces.....	487.45	207.90
26 05 46 00-0025 Fiberglass Crossarms (26 05 46 00-0016) Note: Includes hardware.		
26 05 46 00-0026 Single Phase, 15 Degree Angle (26 05 46 00-0025)		
26 05 46 00-0027 EA Fiberglass Cutout And Arrestor Bracket, 18", Minimum Ultimate Load 800 LB.....	190.01	
26 05 46 00-0028 EA Fiberglass Insulator Bracket, 14", 11/16" Diameter Hole, Minimum Ultimate Load 1,200 LB.....	242.39	44.78
26 05 46 00-0029 EA Fiberglass Insulator Bracket, 14", 1" Lead Threaded, Minimum Ultimate Load 1,200 LB.....	253.05	47.98
26 05 46 00-0030 Two Phase, 15 Degree Angle (26 05 46 00-0025)		

26 Electrical**26 05 Common Work Results For Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0031 EA Fiberglass Insulator Bracket, 36", Minimum Ultimate Load 1,200 LB	303.10	57.57
26 05 46 00-0032 Fiberglass Crossarm Accessories <small>(26 05 46 00-0025)</small>		
26 05 46 00-0033 EA Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 7,000 LB Per Conductor	443.13	73.56
26 05 46 00-0034 EA Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 12,000 LB Per Conductor	527.43	89.55
26 05 46 00-0035 EA Pole Top Pin, Hot Dip Galvanized, 18", 1" Lead Threaded.....	77.07	12.79
26 05 46 00-0036 EA Three Phase Equipment Mounting Bracket	385.33	63.97
26 05 46 00-0037 EA Fiberglass Bull Horn Crossarm.....	316.48	106.61
26 05 46 00-0038 Insulator Support System <small>(26 05 46 00-0016)</small>		
26 05 46 00-0039 Epoxy Construction Units, In Place Mounting <small>(26 05 46 00-0038)</small>		
Note: Includes hardware.		
26 05 46 00-0040 EA 1-1/2" Diameter x 19" Long Pole Side Pins Vertical (1 Arm Installed), In Place Mounting	95.21	
26 05 46 00-0041 EA 1-1/2" Diameter x 15" Long Pole Top Pins, In Place Mounting	75.06	
26 05 46 00-0042 EA Deadend Arms, In Place Mounting	194.34	
26 05 46 00-0043 EA 1-1/2" Diameter x 18" Long Pole Side Pins Vertical (2 Arms Installed), In Place Mounting	147.35	
26 05 46 00-0044 Epoxy Construction Units, Grounding Mounting <small>(26 05 46 00-0038)</small>		
Note: Includes hardware.		
26 05 46 00-0045 EA 1-1/2" Diameter x 18" Long Pole Side Pins Vertical, Grounding Mounting	64.35	
26 05 46 00-0046 EA 1-1/2" Diameter x 15" Long Pole Top Pins, Grounding Mounting	54.50	
26 05 46 00-0047 EA Deadend Arms, Grounding Mounting.....	173.78	
26 05 46 00-0048 Guying <small>(26 05 46)</small>		
Note: Includes cable, anchor and rod assembly, guy marker.		
26 05 46 00-0049 Down Guy <small>(26 05 46 00-0048)</small>		
26 05 46 00-0050 EA Down Guy For 25' To 40' Pole	708.58	298.51
26 05 46 00-0051 EA Down Guy For 45' To 60' Pole	719.32	298.51
26 05 46 00-0052 EA Down Guy For 65' To 75' Pole	741.43	298.51
26 05 46 00-0053 EA Guy Guard, Plastic.....	25.22	
26 05 46 00-0054 Head Guy, 50' Spans <small>(26 05 46 00-0048)</small>		
26 05 46 00-0055 EA Head Guy (50' Span), For 25' To 40' Pole	1,035.52	458.43
26 05 46 00-0056 EA Head Guy (50' Span), For 45' To 60' Pole	1,035.52	458.43
26 05 46 00-0057 EA Head Guy (50' Span), For 65' To 75' Pole	1,035.52	458.43
26 05 46 00-0058 Guy Strain Insulators Additional Insulators <small>(26 05 46 00-0048)</small>		
Note: As required at same material cost and labor.		
26 05 46 00-0059 EA Guy Strain Insulator	450.99	223.88
26 05 46 00-0060 Pole Anchor <small>(26 05 46 00-0048)</small>		
Note: Joslyn.		
26 05 46 00-0061 EA Pole Anchor, 4" Helix, 3/4" x 54" Shaft.....	66.26	
26 05 46 00-0062 EA Pole Anchor, 6" Helix, 3/4" x 66" Shaft.....	71.43	
26 05 46 00-0063 EA Pole Anchor, 8" Helix, 1" x 66" Shaft.....	83.60	
26 05 46 00-0064 EA Pole Anchor, 10" Helix, 1-1/4" x 66" Shaft	104.93	
26 05 46 00-0065 EA Pole Anchor, 10" Helix, 1-1/4" x 8' Shaft.....	138.24	
26 05 46 00-0066 EA Pole Anchor, 16" Helix, 1-1/4" x 8' Shaft.....	185.08	
26 05 46 00-0067 Insulators <small>(26 05 46)</small>		
26 05 46 00-0068 Pin Insulator With Pin <small>(26 05 46 00-0067)</small>		
26 05 46 00-0069 EA 5 KV Class 55-3, Pin Insulator With Pin.....	145.93	63.97
26 05 46 00-0070 EA 15 KV Class 55-5, Pin Insulator With Pin.....	151.75	63.97
26 05 46 00-0071 Suspension Insulator <small>(26 05 46 00-0067)</small>		
Note: Includes clevis and strain clamp.		
26 05 46 00-0072 EA 5 KV Class 52-2, Suspension Insulator, With Clevis And Strain Clamp.....	187.77	85.29
26 05 46 00-0073 EA 15 KV Class 52-4, Suspension Insulator, With Clevis And Strain Clamp	203.59	85.29
26 05 46 00-0074 EA 25 KV Class 2 x 52-4, Suspension Insulator, With Clevis And Strain Clamp	290.48	106.61
26 05 46 00-0075 EA 50 KV Class 4 x 52-4, Suspension Insulator, With Clevis And Strain Clamp	466.93	170.58
26 05 46 00-0076 Spool Insulator With Clevis <small>(26 05 46 00-0067)</small>		
26 05 46 00-0077 EA 5 KV Class 53-5, Spool Insulator With Clevis	62.53	26.65
26 05 46 00-0078 EA 15 KV Class, Spool Insulator With Clevis	202.09	95.95
26 05 46 00-0079 EA 25 KV Class, Spool Insulator With Clevis	261.64	95.95
26 05 46 00-0080 Secondary Rack <small>(26 05 46 00-0067)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0081 EA 1 Spool Secondary Rack	123.91	53.31
26 05 46 00-0082 EA 2 Spool Secondary Rack	129.02	68.02
26 05 46 00-0083 EA 3 Spool Secondary Rack	192.98	90.62
26 05 46 00-0084 EA 4 Spool Secondary Rack	216.25	90.62
 26 05 46 00-0085 Outdoor Load Break Switches <small>(26 05 46)</small>		
Note: 3-Phase, group operated, 3-insulator, vertical break, high strength pin insulators worm gear operating mechanism operating rods, mechanisms, and switch bases are galvanized steel.		
 26 05 46 00-0086 7.2 KV Outdoor Load Break Switches <small>(26 05 46 00-0085)</small>		
26 05 46 00-0087 EA 600 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	5,204.99	362.47
26 05 46 00-0088 EA 1,200 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	10,453.81	362.47
26 05 46 00-0089 EA 1,600 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	15,594.37	613.02
26 05 46 00-0090 EA 2,000 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	15,814.81	613.02
 26 05 46 00-0091 14.4 KV Outdoor Load Break Switches <small>(26 05 46 00-0085)</small>		
26 05 46 00-0092 EA 600 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	6,431.10	362.47
26 05 46 00-0093 EA 1,200 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	12,421.57	362.47
26 05 46 00-0094 EA 1,600 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	15,594.37	613.02
26 05 46 00-0095 EA 2,000 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	15,814.81	613.02
 26 05 46 00-0096 23 KV Outdoor Load Break Switches <small>(26 05 46 00-0085)</small>		
26 05 46 00-0097 EA 600 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	7,071.03	421.11
26 05 46 00-0098 EA 1,200 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	13,575.00	421.11
26 05 46 00-0099 EA 1,600 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	16,213.20	724.96
26 05 46 00-0100 EA 2,000 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	16,440.88	724.96
 26 05 46 00-0101 Square Distribution Poles <small>(26 05 46)</small>		
26 05 46 00-0102 Square Steel Tapered Shaft Distribution Poles <small>(26 05 46 00-0101)</small>		
26 05 46 00-0103 EA 20', Steel Taped Shaft Distribution Pole	2,403.61	453.10
26 05 46 00-0104 EA 25', Steel Taped Shaft Distribution Pole	2,689.09	479.76
26 05 46 00-0105 EA 30', Steel Taped Shaft Distribution Pole	2,922.16	533.05
26 05 46 00-0106 EA 35', Steel Taped Shaft Distribution Pole	3,231.96	586.36
26 05 46 00-0107 EA 40', Steel Taped Shaft Distribution Pole	4,324.20	639.66
 26 05 46 00-0108 Square Prestressed Concrete Distribution Poles <small>(26 05 46 00-0101)</small>		
26 05 46 00-0109 EA 30', Prestressed Concrete Square Pole For Distribution	3,635.46	802.21
26 05 46 00-0110 EA 35', Prestressed Concrete Square Pole For Distribution	4,089.92	879.84
26 05 46 00-0111 EA 40', Prestressed Concrete Square Pole For Distribution	4,786.33	983.36
26 05 46 00-0112 EA 45', Prestressed Concrete Square Pole For Distribution	5,389.62	1,086.87
26 05 46 00-0113 EA 50', Prestressed Concrete Square Pole For Distribution	4,858.02	1,319.76
26 05 46 00-0114 EA 55', Prestressed Concrete Square Pole For Distribution	7,597.62	1,552.66
26 05 46 00-0115 EA 60', Prestressed Concrete Square Pole For Distribution	8,947.88	1,759.69
26 05 46 00-0116 EA 65', Prestressed Concrete Square Pole For Distribution	10,811.07	2,173.73
26 05 46 00-0117 EA 70', Prestressed Concrete Square Pole For Distribution	12,099.97	2,380.76
 26 05 46 00-0118 Aluminum Tapered Poles <small>(26 05 46)</small>		
26 05 46 00-0119 Aluminum Tapered Round Seamless Shaft Poles <small>(26 05 46 00-0118)</small>		
26 05 46 00-0120 EA 20', Aluminum Tapered Round Seamless Shaft Pole For Distribution	2,310.87	399.79
26 05 46 00-0121 EA 25', Aluminum Tapered Round Seamless Shaft Pole For Distribution	3,194.70	426.45
26 05 46 00-0122 EA 30', Aluminum Tapered Round Seamless Shaft Pole For Distribution	3,670.54	479.76
26 05 46 00-0123 EA 35', Aluminum Tapered Round Seamless Shaft Pole For Distribution	4,341.60	533.05
26 05 46 00-0124 EA 40', Aluminum Tapered Round Seamless Shaft Pole For Distribution	6,496.39	586.36
 26 05 46 00-0125 Steel Service Poles Distribution <small>(26 05 46)</small>		
Note: Direct embedded, bearing plate on base end, pole cap on top end, grounding nut, galvanized finish.		
 26 05 46 00-0126 Round Tapered Pole <small>(26 05 46 00-0125)</small>		
26 05 46 00-0127 EA 40', Galvanized Steel Tapered Round Pole For Distribution	3,272.96	639.66
26 05 46 00-0128 EA 45', Galvanized Steel Tapered Round Pole For Distribution	3,781.34	692.97
26 05 46 00-0129 EA 50', Galvanized Steel Tapered Round Pole For Distribution	4,032.23	746.28
26 05 46 00-0130 EA 55', Galvanized Steel Tapered Round Pole For Distribution	4,737.85	852.89
26 05 46 00-0131 EA 60', Galvanized Steel Tapered Round Pole For Distribution	5,819.31	959.50
26 05 46 00-0132 EA 65', Galvanized Steel Tapered Round Pole For Distribution	6,904.96	1,216.25
26 05 46 00-0133 EA 70', Galvanized Steel Tapered Round Pole For Distribution	7,698.25	1,379.80
26 05 46 00-0134 EA 75', Galvanized Steel Tapered Round Pole For Distribution	8,516.64	1,552.66
26 05 46 00-0135 EA 80', Galvanized Steel Tapered Round Pole For Distribution	9,571.35	1,759.69
26 05 46 00-0136 EA 85', Galvanized Steel Tapered Round Pole For Distribution	10,223.13	1,863.20
26 05 46 00-0137 EA 90', Galvanized Steel Tapered Round Pole For Distribution	11,116.56	2,070.22
26 05 46 00-0138 EA 95', Galvanized Steel Tapered Round Pole For Distribution	12,233.29	2,329.00
26 05 46 00-0139 EA 100', Galvanized Steel Tapered Round Pole For Distribution	13,542.42	2,639.53

26 Electrical**26 05 Common Work Results For Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0140 12 Sided Tapered <small>(26 05 46 00-0125)</small>		
26 05 46 00-0141 EA 40', Galvanized Steel Tapered 12 Sided Pole For Distribution	5,409.77	639.66
26 05 46 00-0142 EA 45', Galvanized Steel Tapered 12 Sided Pole For Distribution	5,964.46	692.97
26 05 46 00-0143 EA 50', Galvanized Steel Tapered 12 Sided Pole For Distribution	6,596.52	746.28
26 05 46 00-0144 EA 55', Galvanized Steel Tapered 12 Sided Pole For Distribution	7,261.67	852.89
26 05 46 00-0145 EA 60', Galvanized Steel Tapered 12 Sided Pole For Distribution	9,579.06	959.50
26 05 46 00-0146 EA 65', Galvanized Steel Tapered 12 Sided Pole For Distribution	10,687.84	1,216.25
26 05 46 00-0147 EA 70', Galvanized Steel Tapered 12 Sided Pole For Distribution	12,370.52	1,379.80
26 05 46 00-0148 EA 75', Galvanized Steel Tapered 12 Sided Pole For Distribution	13,336.17	1,552.66
26 05 46 00-0149 EA 80', Galvanized Steel Tapered 12 Sided Pole For Distribution	14,384.83	1,759.69
26 05 46 00-0150 EA 85', Galvanized Steel Tapered 12 Sided Pole For Distribution	15,241.95	1,863.20
26 05 46 00-0151 EA 90', Galvanized Steel Tapered 12 Sided Pole For Distribution	17,287.53	2,070.22
26 05 46 00-0152 EA 95', Galvanized Steel Tapered 12 Sided Pole For Distribution	18,386.96	2,329.00
26 05 46 00-0153 EA 100', Galvanized Steel Tapered 12 Sided Pole For Distribution	19,736.49	2,639.53
26 05 46 00-0154 EA 105', Galvanized Steel Tapered 12 Sided Pole For Distribution	21,172.84	2,950.06
26 05 46 00-0155 Standard Options For Round, 12 Sided and Octagonal Tapered Poles <small>(26 05 46 00-0125)</small>		
26 05 46 00-0156 EA Ladder Clips.....	26.07	
26 05 46 00-0157 EA Coal Tar Epoxy Coating From Base To 1' Above Ground Line.....	195.64	
26 05 46 00-0158 EA Ground Sleeve-2' At Ground Line.....	196.78	
26 05 46 00-0159 Arms With Baseplates And Endplates <small>(26 05 46 00-0125)</small>		
26 05 46 00-0160 EA 4' Arm With Baseplate And Endplate	525.81	106.61
26 05 46 00-0161 EA 5' Arm With Baseplate And Endplate	568.19	106.61
26 05 46 00-0162 EA 6' Arm With Baseplate And Endplate	718.01	159.92
26 05 46 00-0163 EA 7' Arm With Baseplate And Endplate	755.09	159.92
26 05 46 00-0164 EA 8' Arm With Baseplate And Endplate	903.29	213.22
26 05 46 00-0165 EA 9' Arm With Baseplate And Endplate	945.65	213.22
26 05 46 00-0166 EA 10' Arm With Baseplate And Endplate	1,248.31	266.53
26 05 46 00-0167 EA 11' Arm With Baseplate And Endplate	1,295.87	266.53
26 05 46 00-0168 Standard Vangs Load Bearing At Any Angle <small>(26 05 46 00-0125)</small>		
26 05 46 00-0169 EA 15,000 LB Standard Vangs Load Bearing At Any Angle	248.18	106.61
26 05 46 00-0170 EA 30,000 LB Standard Vangs Load Bearing At Any Angle	274.14	106.61
26 05 46 00-0171 EA 45,000 LB Standard Vangs Load Bearing At Any Angle	309.65	106.61
26 05 46 00-0172 Armless Construction Brackets <small>(26 05 46 00-0125)</small>		
26 05 46 00-0173 Verticals Insulator And Equipment Bracket <small>(26 05 46 00-0172)</small>		
26 05 46 00-0174 EA 7" 1 Position Vertical Insulation And Equipment Bracket	252.41	106.61
26 05 46 00-0175 EA 12" 1 Position Vertical Insulation And Equipment Bracket	268.80	106.61
26 05 46 00-0176 EA 12" 3 Position Vertical Insulation And Equipment Bracket	295.44	106.61
26 05 46 00-0177 EA 18" 1 Position Vertical Insulation And Equipment Bracket	419.61	159.92
26 05 46 00-0178 EA 18" 3 Position Vertical Insulation And Equipment Bracket	435.16	159.92
26 05 46 00-0179 Horizontal And Multiple Insulator Brackets <small>(26 05 46 00-0172)</small>		
26 05 46 00-0180 EA Sidepole 1 7/8" Clearance Horizontal And Multiple Insulation Brackets	239.64	106.61
26 05 46 00-0181 EA Sidepole 2" Clearance Horizontal And Multiple Insulation Brackets	274.09	106.61
26 05 46 00-0182 EA Sidepole 9" Clearance Horizontal And Multiple Insulation Brackets	402.92	159.92
26 05 46 00-0183 EA Sidepole 10" Clearance Horizontal And Multiple Insulation Brackets	484.23	159.92
26 05 46 00-0184 EA Sidepole 15" Clearance Horizontal And Multiple Insulation Brackets	624.60	213.22
26 05 46 00-0185 EA Sidepole 20" Clearance Horizontal And Multiple Insulation Brackets	667.76	213.22
26 05 46 00-0186 Pole Top Bracket And Pins <small>(26 05 46 00-0172)</small>		
26 05 46 00-0187 EA Pole Top Pin - 5"	244.64	106.61
26 05 46 00-0188 EA Pole Top Bracket - 5"	253.01	106.61
26 05 46 00-0189 Angle Pins <small>(26 05 46 00-0172)</small>		
26 05 46 00-0190 EA Angle Pin - 25 Degree, 6"	243.51	106.61
26 05 46 00-0191 EA Angle Pin - 25 Degree, 7 1/4"	270.68	106.61
26 05 46 00-0192 Static And Neutral Wire Brackets <small>(26 05 46 00-0172)</small>		
26 05 46 00-0193 EA Neutral Wire Extension Bracket	253.38	106.61
26 05 46 00-0194 EA Static Wire Support Bracket	256.26	106.61
26 05 46 00-0195 Cutout, Arrestor And Terminator Brackets <small>(26 05 46 00-0172)</small>		
26 05 46 00-0196 EA Cutout And Arrestor, With Mounting Bracket	252.03	106.61
26 05 46 00-0197 EA Equipment Mounting T Bracket	277.43	106.61
26 05 46 00-0198 EA 15 KV Cutout	393.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0199 EA 9/10 KV Arrestor	357.96	106.61
26 05 46 00-0200 Spacer Cable, Conduit Support And Cluster Bracket <small>(26 05 46 00-0172)</small>		
26 05 46 00-0201 EA Parallel Cable Spacer	274.04	106.61
26 05 46 00-0202 EA Conduit Standoff Support Bracket	264.85	106.61
26 05 46 00-0203 EA Three Transformer Pole Mounted Cluster Bracket	583.51	106.61
26 05 46 00-0204 15 KV 200 Amp Solenoid Operated High Voltage Switch <small>(26 05 46 00-0172)</small>		
<small>Note: Includes pole mounting bracket.</small>		
26 05 46 00-0205 EA 15 KV, 1 Phase, Solenoid Switch With Pole Bracket	2,107.31	266.53
26 05 46 00-0206 Octagonal Tapered <small>(26 05 46 00-0125)</small>		
26 05 46 00-0207 EA 40', Galvanized Steel Tapered Octagonal Pole For Distribution	5,568.59	639.66
26 05 46 00-0208 EA 45', Galvanized Steel Tapered Octagonal Pole For Distribution	6,140.61	692.97
26 05 46 00-0209 EA 50', Galvanized Steel Tapered Octagonal Pole For Distribution	6,792.88	746.28
26 05 46 00-0210 EA 55', Galvanized Steel Tapered Octagonal Pole For Distribution	7,475.36	906.20
26 05 46 00-0211 EA 60', Galvanized Steel Tapered Octagonal Pole For Distribution	9,873.61	959.50
26 05 46 00-0212 EA 65', Galvanized Steel Tapered Octagonal Pole For Distribution	11,005.49	1,216.25
26 05 46 00-0213 EA 70', Galvanized Steel Tapered Octagonal Pole For Distribution	12,740.14	1,293.89
26 05 46 00-0214 EA 75', Galvanized Steel Tapered Octagonal Pole For Distribution	13,730.34	1,552.66
26 05 46 00-0215 EA 80', Galvanized Steel Tapered Octagonal Pole For Distribution	14,802.09	1,656.17
26 05 46 00-0216 EA 85', Galvanized Steel Tapered Octagonal Pole For Distribution	15,683.76	1,863.20
26 05 46 00-0217 EA 90', Galvanized Steel Tapered Octagonal Pole For Distribution	17,791.43	1,966.71
26 05 46 00-0218 EA 95', Galvanized Steel Tapered Octagonal Pole For Distribution	18,916.85	2,329.00
26 05 46 00-0219 EA 100', Galvanized Steel Tapered Octagonal Pole For Distribution	20,292.37	2,484.26
26 05 46 00-0220 EA 105', Galvanized Steel Tapered Octagonal Pole For Distribution	21,757.60	2,794.80
26 05 46 00-0221 Removal And Relocation Of Steel Service Poles <small>(26 05 46 00-0125)</small>		
26 05 46 00-0222 LF Removal And Relocation Of Steel Service Poles With Arms Up To 60'	37.31	
26 05 46 00-0223 Special Steel Bases For Poles <small>(26 05 46 00-0125)</small>		
26 05 46 00-0224 EA Spin-In Steel Base For Poles	192.68	
26 05 46 00-0225 EA Series 3, 25' Pole And less	210.83	53.31
26 05 46 00-0226 EA Series 4, 40' Pole And less	249.99	61.31
26 05 46 00-0227 EA Series 5, 50' Pole And less	283.81	66.64
26 05 46 00-0228 Primary Fuse Cutouts <small>(26 05 46)</small>		
<small>Note: Interrupting rating RMS, amperes - 25,000 symmetric and 40,000 asymmetric.</small>		
26 05 46 00-0229 Non-Loadbreak Current Limiting Primary Fuse Cutouts <small>(26 05 46 00-0228)</small>		
<small>Note: Includes the fuse and cut-out switch.</small>		
26 05 46 00-0230 8.3 KV-95 KV-BIL Non-Loadbreak Current Limiting <small>(26 05 46 00-0229)</small>		
26 05 46 00-0231 EA 15 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	588.27	266.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	<i>127.94</i>	
26 05 46 00-0232 EA 25 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	694.87	266.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	<i>159.92</i>	
26 05 46 00-0233 EA 40 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	801.13	266.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	<i>191.79</i>	
26 05 46 00-0234 EA 100 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	816.59	266.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	<i>191.91</i>	
26 05 46 00-0235 EA 200 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	816.59	266.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	<i>191.91</i>	
26 05 46 00-0236 17.1 KV-95 KV-BIL Non-Loadbreak Current Limiting <small>(26 05 46 00-0229)</small>		
26 05 46 00-0237 EA 15 A Primary Fuse Cutout 17.1 KV - 95 KV Non-Loadbreak Current Limiting	588.27	213.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	<i>127.94</i>	
26 05 46 00-0238 17.1 KV-125 KV-BIL Non-Loadbreak Current Limiting <small>(26 05 46 00-0229)</small>		
26 05 46 00-0239 EA 15 A Primary Fuse Cutout 17.1 KV - 125 KV Non-Loadbreak Current Limiting	608.68	213.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	<i>127.94</i>	
26 05 46 00-0240 Fuseholders <small>(26 05 46 00-0229)</small>		
<small>Note: Including current limiting fuse.</small>		
26 05 46 00-0241 EA 15 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	502.26	266.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	<i>127.94</i>	
26 05 46 00-0242 EA 25 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	608.86	266.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	<i>159.92</i>	
26 05 46 00-0243 EA 40 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	715.12	266.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	<i>191.79</i>	
26 05 46 00-0244 EA 100 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	509.32	266.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	<i>127.94</i>	

26 Electrical**26 05 Common Work Results For Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0245 EA 200 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	615.92	266.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	159.92	
26 05 46 00-0246 EA 15 A 17.1 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	502.26	213.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	127.94	
26 05 46 00-0247 Accessories (26 05 46 00-0229)		
26 05 46 00-0248 EA Hot Line Clamp	74.37	23.99
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.99	
26 05 46 00-0249 EA Stirrup	80.85	23.99
26 05 46 00-0250 Loadbreak Current Limiting Primary Fuse Cutouts (26 05 46 00-0228)		
Note: Includes fuse, cutout switch, crossarm mounting bracket and fuse holder.		
26 05 46 00-0251 8.3 KV-95 KV BIL Loadbreak Current Limiting (26 05 46 00-0250)		
26 05 46 00-0252 EA 15 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting.....	747.18	266.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	127.94	
26 05 46 00-0253 EA 25 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting.....	853.78	266.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	159.92	
26 05 46 00-0254 EA 40 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting.....	960.04	266.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	191.79	
26 05 46 00-0255 EA 100 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting.....	990.31	266.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	191.91	
26 05 46 00-0256 EA 200 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting.....	990.31	266.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	191.91	
26 05 46 00-0257 17.1 KV-95 KV BIL Loadbreak Current Limiting (26 05 46 00-0250)		
26 05 46 00-0258 EA 15 A Primary Fuse Cutout 17.1 KV - 95 KV Loadbreak Current Limiting.....	747.18	213.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	127.94	
26 05 46 00-0259 17.1 KV-125 KV BIL Loadbreak Current Limiting (26 05 46 00-0250)		
26 05 46 00-0260 EA 15 A Primary Fuse Cutout 17.1 KV - 125 KV Loadbreak Current Limiting.....	747.18	213.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	127.94	
26 05 46 00-0261 Fuseholders (26 05 46 00-0250)		
Note: Includes current limiting fuses.		
26 05 46 00-0262 EA 15 Amp, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	509.55	266.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	127.94	
26 05 46 00-0263 EA 25 Amp, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	616.15	266.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	159.92	
26 05 46 00-0264 EA 40 Amp, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	722.41	266.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	191.79	
26 05 46 00-0265 EA 15 Amp, 17.1 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	509.55	266.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	127.94	
26 05 46 00-0266 Pole Mounted Capacitors (26 05 46 00-0250)		
26 05 46 00-0267 EA Capacitors - Pole Mounted 6 KVAR.....	1,335.58	214.93
26 05 46 00-0268 Pole Structure Assemblies (26 05 46 00-0228)		
26 05 46 00-0269 5 KV Pole Structure Assemblies (26 05 46 00-0268)		
Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0270 EA Type OH-1, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	434.38	202.57
26 05 46 00-0271 EA Type OH-2, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	726.03	341.16
26 05 46 00-0272 EA Type OH-3, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	819.44	266.53
26 05 46 00-0273 EA Type OH-4, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	466.90	138.59
26 05 46 00-0274 EA Type OH-5, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	593.61	191.90
26 05 46 00-0275 EA Type OH-6, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,041.42	383.80
26 05 46 00-0276 EA Type OH-7, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	816.13	287.85
26 05 46 00-0277 EA Type OH-8, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,495.37	575.70
26 05 46 00-0278 EA Type OH-9, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,698.90	650.33
26 05 46 00-0279 EA Type OH-10, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	926.03	319.84
26 05 46 00-0280 EA Type OH-11, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	790.17	341.16
26 05 46 00-0281 EA Type OH-12, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,487.57	692.97
26 05 46 00-0282 EA Type OH-13, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,127.09	415.78
26 05 46 00-0283 EA Type OH-14, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	706.00	298.51
26 05 46 00-0284 EA Type OH-15, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,330.73	607.69
26 05 46 00-0285 EA Type OH-16, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,039.19	309.17
26 05 46 00-0286 15 KV Pole Structure Assemblies (26 05 46 00-0268)		
Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0287 EA Type OH-1, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	454.79	202.57
26 05 46 00-0288 EA Type OH-2, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	755.18	341.16
26 05 46 00-0289 EA Type OH-3, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	918.57	266.53
26 05 46 00-0290 EA Type OH-4, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	501.89	138.59



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0291 EA Type OH-5, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	643.17	181.24
26 05 46 00-0292 EA Type OH-6, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,140.55	383.80
26 05 46 00-0293 EA Type OH-7, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	889.02	287.85
26 05 46 00-0294 EA Type OH-8, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,644.07	575.70
26 05 46 00-0295 EA Type OH-9, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,900.09	650.33
26 05 46 00-0296 EA Type OH-10, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,025.16	319.84
26 05 46 00-0297 EA Type OH-11, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	828.08	341.16
26 05 46 00-0298 EA Type OH-12, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,525.48	692.97
26 05 46 00-0299 EA Type OH-13, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,202.90	415.78
26 05 46 00-0300 EA Type OH-14, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	743.91	287.85
26 05 46 00-0301 EA Type OH-15, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,368.64	607.69
26 05 46 00-0302 EA Type OH-16, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,115.00	373.14
26 05 46 00-0303 25 KV Pole Structure Assemblies (26 05 46 00-0268)		
Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0304 EA Type OH-3, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,372.14	319.84
26 05 46 00-0305 EA Type OH-4, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	838.28	159.92
26 05 46 00-0306 EA Type OH-5, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,215.97	245.20
26 05 46 00-0307 EA Type OH-6, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,608.95	501.07
26 05 46 00-0308 EA Type OH-7, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,528.33	373.14
26 05 46 00-0309 EA Type OH-8, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,474.41	735.62
26 05 46 00-0310 EA Type OH-9, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,366.20	831.57
26 05 46 00-0311 EA Type OH-13, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,655.60	485.09
26 05 46 00-0312 EA Type OH-16, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,443.14	485.09
26 05 46 00-0313 50 KV Pole Structure Assemblies (26 05 46 00-0268)		
Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0314 EA Type OH-3, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,843.44	437.11
26 05 46 00-0315 EA Type OH-4, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,002.18	223.88
26 05 46 00-0316 EA Type OH-5, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,273.47	351.81
26 05 46 00-0317 EA Type OH-6, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,395.34	714.30
26 05 46 00-0318 EA Type OH-7, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,835.86	533.05
26 05 46 00-0319 EA Type OH-8, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	3,528.86	1,066.11
26 05 46 00-0320 EA Type OH-9, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	4,171.06	1,183.39
26 05 46 00-0321 EA Type OH-10, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,125.16	575.70
26 05 46 00-0322 EA Type OH-13, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,146.13	666.32
26 05 46 00-0323 EA Type OH-16, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,067.75	629.01
26 05 46 00-0324 Overhead To Underground Conversion Structures (26 05 46 00-0228)		
Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination and neutral wire brackets. Excludes pole.		
26 05 46 00-0325 5 KV Structures (26 05 46 00-0324)		
Note: Excludes pole.		
26 05 46 00-0326 EA (3 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles.....	4,432.43	2,132.23
26 05 46 00-0327 EA (3 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles.....	4,432.43	2,132.23
26 05 46 00-0328 EA (4 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles.....	4,432.43	2,132.23
26 05 46 00-0329 EA (4 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles.....	4,432.43	2,132.23
26 05 46 00-0330 15 KV Structures (26 05 46 00-0324)		
Note: Excludes pole.		
26 05 46 00-0331 EA (3 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles.....	4,569.62	2,132.23
26 05 46 00-0332 EA (3 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles.....	4,569.62	2,132.23
26 05 46 00-0333 EA (4 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles.....	4,569.62	2,132.23
26 05 46 00-0334 EA (4 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles.....	4,569.62	2,132.23
26 05 46 00-0335 25 KV Structures (26 05 46 00-0324)		
Note: Excludes pole.		
26 05 46 00-0336 EA (3 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles.....	4,719.28	2,132.23
26 05 46 00-0337 EA (3 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles.....	4,719.28	2,132.23
26 05 46 00-0338 EA (4 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles.....	4,719.28	2,132.23
26 05 46 00-0339 EA (4 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles.....	4,719.28	2,132.23
26 05 46 00-0340 Transformer Stations (26 05 46 00-0228)		
Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination, neutral wire brackets and transformer mounting bracket(s). Excludes pole and transformer.		
26 05 46 00-0341 5 KV Station (26 05 46 00-0340)		
26 05 46 00-0342 EA (Single Transformer, 1 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole.....	6,110.32	2,842.26
26 05 46 00-0343 EA (Double Transformer, 1 Phase, 3 Wire Tangent), 5 KV Transformer Station Without Pole.....	6,855.39	3,198.34
26 05 46 00-0344 EA (Triple Transformer, 3 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole.....	7,600.47	3,553.36
26 05 46 00-0345 EA (Triple Transformer, 3 Phase, 4 Wire Dead End), 5 KV Transformer Station Without Pole.....	7,600.47	3,553.36
26 05 46 00-0346 EA (Single Transformer, 1 Phase, 2 Wire Tangent), 5 KV Transformer Station Without Pole.....	6,110.32	2,842.26

26 Electrical
26 05 Common Work Results For Electrical
26 05 46 Utility Poles for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 46 00-0347 15 KV Stations <small>(26 05 46 00-0340)</small>					
26 05 46 00-0348	EA		(Single Transformer, 1 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole.....	6,247.51	2,841.45
26 05 46 00-0349	EA		(Double Transformer, 1 Phase, 3 Wire Tangent), 15 KV Transformer Station Without Pole.....	6,992.58	3,198.34
26 05 46 00-0350	EA		(Triple Transformer, 3 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole.....	7,737.67	3,553.36
26 05 46 00-0351	EA		(Triple Transformer, 3 Phase, 4 Wire Dead End), 15 KV Transformer Station Without Pole.....	7,737.67	3,553.36
26 05 46 00-0352	EA		(Single Transformer, 1 Phase, 2 Wire Tangent), 15 KV Transformer Station Without Pole.....	6,247.51	2,842.26

26 05 46 00-0353 25 KV Stations <small>(26 05 46 00-0340)</small>					
26 05 46 00-0354	EA		(Single Transformer, 1 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole.....	6,397.17	2,842.26
26 05 46 00-0355	EA		(Double Transformer, 1 Phase, 3 Wire Tangent), 25 KV Transformer Station Without Pole.....	7,142.25	3,198.34
26 05 46 00-0356	EA		(Triple Transformer, 3 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole.....	7,887.33	3,553.36
26 05 46 00-0357	EA		(Triple Transformer, 3 Phase, 4 Wire Dead End), 25 KV Transformer Station Without Pole.....	7,887.33	3,553.36
26 05 46 00-0358	EA		(Single Transformer, 1 Phase, 2 Wire Tangent), 25 KV Transformer Station Without Pole.....	6,397.17	2,842.26

26 05 53 Identification for Electrical Systems (26 05)

26 05 53 00-0001 Conduit Markers Pressure-Sensitive (26 05 53)

Note: Stick-on, includes arrow tape.

26 05 53 00-0002	EA		1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	10.30	
26 05 53 00-0003	EA		3/4" Outside Diameter Pressure Sensitive Marker Stick-on.....	10.79	
26 05 53 00-0004	EA		1" Outside Diameter Pressure Sensitive Marker Stick-on.....	11.75	
26 05 53 00-0005	EA		1-1/4" Outside Diameter Pressure Sensitive Marker Stick-on.....	11.94	
26 05 53 00-0006	EA		1-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	12.14	
26 05 53 00-0007	EA		2" Outside Diameter Pressure Sensitive Marker Stick-on.....	12.43	
26 05 53 00-0008	EA		2-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	14.27	
26 05 53 00-0009	EA		3" Outside Diameter Pressure Sensitive Marker Stick-on.....	14.66	
26 05 53 00-0010	EA		3-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	14.95	
26 05 53 00-0011	EA		4" Outside Diameter Pressure Sensitive Marker Stick-on.....	15.24	
26 05 53 00-0012	EA		4-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	15.84	
26 05 53 00-0013	EA		5" Outside Diameter Pressure Sensitive Marker Stick-on.....	16.49	
26 05 53 00-0014	EA		6" Outside Diameter Pressure Sensitive Marker Stick-on.....	17.06	
26 05 53 00-0015	EA		7" Outside Diameter Pressure Sensitive Marker Stick-on.....	17.63	
26 05 53 00-0016	EA		8" Outside Diameter Pressure Sensitive Marker Stick-on.....	19.17	
26 05 53 00-0017	EA		10" Outside Diameter Pressure Sensitive Marker Stick-on.....	20.23	

26 05 53 00-0018 Labeling Electrical Wires (26 05 53)

26 05 53 00-0019	EA		Labeling Wire.....	2.13	
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26 05 83 Wiring Connections (26 05)

26 05 83 00-0001 Tape Wrapped Compression Connectors (26 05 83)

26 05 83 00-0002	EA		#6 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	12.62	4.34
26 05 83 00-0003	EA		#4 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	13.81	4.83
26 05 83 00-0004	EA		#2 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	14.90	5.31
26 05 83 00-0005	EA		1/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	17.19	5.79
26 05 83 00-0006	EA		2/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	18.50	6.27
26 05 83 00-0007	EA		3/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	20.49	6.75
26 05 83 00-0008	EA		4/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	21.95	7.23
26 05 83 00-0009	EA		250 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	23.89	7.72
26 05 83 00-0010	EA		300 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	26.45	8.69
26 05 83 00-0011	EA		350 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	27.76	9.17
26 05 83 00-0012	EA		400 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	30.80	9.65
26 05 83 00-0013	EA		500 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	33.47	10.13
26 05 83 00-0014	EA		750 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	37.35	11.10
26 05 83 00-0015	EA		1,000 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	43.29	12.54

26 05 83 00-0016 One Hole Compression Lugs (26 05 83)

26 05 83 00-0017	EA		#22-18 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	16.59	12.54
26 05 83 00-0018	EA		#16-14 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	16.70	12.54
26 05 83 00-0019	EA		#12-10 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	18.89	13.51
26 05 83 00-0020	EA		#8 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	23.33	14.96
26 05 83 00-0021	EA		#6 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	32.79	19.30
26 05 83 00-0022	EA		#4 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	38.43	19.30
26 05 83 00-0023	EA		#2 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	44.22	19.30
26 05 83 00-0024	EA		1/0 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	54.49	28.95
26 05 83 00-0025	EA		2/0 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	63.88	28.95
26 05 83 00-0026	EA		3/0 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	74.76	28.95
26 05 83 00-0027	EA		4/0 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	90.15	38.60
26 05 83 00-0028	EA		250 MCM Low Voltage (To 600 Volts) One Hole Compression Lug.....	106.92	57.90
26 05 83 00-0029	EA		300 MCM Low Voltage (To 600 Volts) One Hole Compression Lug.....	122.31	57.90
26 05 83 00-0030	EA		350 MCM Low Voltage (To 600 Volts) One Hole Compression Lug.....	131.47	57.90
26 05 83 00-0031	EA		400 MCM Low Voltage (To 600 Volts) One Hole Compression Lug.....	143.15	67.55
26 05 83 00-0032	EA		500 MCM Low Voltage (To 600 Volts) One Hole Compression Lug.....	156.49	67.55
26 05 83 00-0033	EA		750 MCM Low Voltage (To 600 Volts) One Hole Compression Lug.....	170.09	77.20
26 05 83 00-0034	EA		1,000 MCM Compression Lugs, 1 Hole, Low Voltage, To 600 Volts.....	199.82	86.85



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0035 Two Hole Compression Lugs <small>(26 05 83)</small>		
26 05 83 00-0036 EA #8 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	33.83	16.40
26 05 83 00-0037 EA #6 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	36.32	17.46
26 05 83 00-0038 EA #4 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	38.30	17.46
26 05 83 00-0039 EA #2 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	44.07	20.07
26 05 83 00-0040 EA 1/0 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	54.33	25.09
26 05 83 00-0041 EA 2/0 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	63.71	29.82
26 05 83 00-0042 EA 3/0 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	74.57	34.94
26 05 83 00-0043 EA 4/0 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	89.95	42.36
26 05 83 00-0044 EA 250 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug.....	106.68	50.28
26 05 83 00-0045 EA 300 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug.....	122.03	57.42
26 05 83 00-0046 EA 350 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug.....	131.17	61.86
26 05 83 00-0047 EA 400 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug.....	142.81	66.97
26 05 83 00-0048 EA 500 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug.....	156.10	73.15
26 05 83 00-0049 EA 750 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug.....	170.55	79.32
26 05 83 00-0050 EA 1,000 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug.....	210.95	96.51
26 05 83 00-0051 Tape Wrapped Split Bolt Connectors <small>(26 05 83)</small>		
26 05 83 00-0052 EA #8 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	50.64	38.60
26 05 83 00-0053 EA #6 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	55.68	41.50
26 05 83 00-0054 EA #4 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	63.48	43.42
26 05 83 00-0055 EA #2 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	73.65	48.25
26 05 83 00-0056 EA 1/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	86.90	53.07
26 05 83 00-0057 EA 2/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	97.30	57.90
26 05 83 00-0058 EA 3/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	121.57	62.73
26 05 83 00-0059 EA 4/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	130.42	67.55
26 05 83 00-0060 EA 250 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	137.45	72.38
26 05 83 00-0061 EA 300 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	156.62	79.61
26 05 83 00-0062 EA 350 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	175.79	115.80
26 05 83 00-0063 EA 400 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	192.48	96.51
26 05 83 00-0064 EA 500 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	209.17	130.28
26 05 83 00-0065 EA 750 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	231.73	135.10
26 05 83 00-0066 EA 1,000 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	262.08	144.75
26 05 83 00-0067 Cable Termination Lugs Handwrapped, No Stress Cone <small>(26 05 83)</small>		
26 05 83 00-0068 EA #8 Or #6 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts.....	69.22	38.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.27	
26 05 83 00-0069 EA #4 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts.....	80.07	38.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.98	
26 05 83 00-0070 EA 1/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts.....	110.71	57.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.17	
26 05 83 00-0071 EA 4/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts.....	132.24	57.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.12	
26 05 83 00-0072 EA 300 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts.....	158.71	72.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.86	
26 05 83 00-0073 EA 500 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts.....	209.17	96.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	60.32	
26 05 83 00-0074 Terminal Blocks <small>(26 05 83)</small>		
Note: Labor excludes wire termination.		
26 05 83 00-0075 EA Power Distribution Block, 250 MCM 3 Phase Terminal Block, No Labor Wire Termination, 600 Volt.....	843.01	357.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	214.45	
26 05 83 00-0076 EA #22 To #10 Wire Size, 12 Point, 600 Volt Terminal Block.....	213.08	48.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.27	
26 05 83 00-0077 EA #8 To #2 Wire Size, 12 Point, 600 Volt Terminal Block.....	234.76	48.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.58	
26 05 83 00-0078 Parallel Gutter Tap Or Motor Connection <small>(26 05 83)</small>		
26 05 83 00-0079 EA #8 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	33.83	17.46
26 05 83 00-0080 EA #6 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	36.32	17.46
26 05 83 00-0081 EA #4 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	38.30	17.46
26 05 83 00-0082 EA #2 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	44.07	20.07
26 05 83 00-0083 EA 1/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	54.33	25.09
26 05 83 00-0084 EA 2/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	63.71	29.82
26 05 83 00-0085 EA 3/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	74.57	34.94
26 05 83 00-0086 EA 4/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	89.95	42.36
26 05 83 00-0087 EA 250 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	106.68	50.28
26 05 83 00-0088 EA 300 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	122.03	57.42
26 05 83 00-0089 EA 350 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	131.17	61.86
26 05 83 00-0090 EA 400 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	142.81	66.97
26 05 83 00-0091 EA 500 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	156.10	73.15
26 05 83 00-0092 EA 750 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	156.45	73.15
26 05 83 00-0093 EA #8 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	33.83	17.46
26 05 83 00-0094 EA #6 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	36.32	17.46
26 05 83 00-0095 EA #4 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	38.30	17.46

26 Electrical

26 05 Common Work Results For Electrical

26 05 83 Wiring Connections



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0096	EA		#2 AWG Parallel Gutter Tap, Versitap, Insulating Cover	44.07	20.07
26 05 83 00-0097	EA		1/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	54.33	25.09
26 05 83 00-0098	EA		2/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	63.71	29.82
26 05 83 00-0099	EA		3/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	74.58	34.94
26 05 83 00-0100	EA		4/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	89.95	42.36
26 05 83 00-0101	EA		250 MCM Parallel Gutter Tap, Versitap, Insulating Cover	106.68	50.28
26 05 83 00-0102	EA		300 MCM Parallel Gutter Tap, Versitap, Insulating Cover	122.03	57.42
26 05 83 00-0103	EA		350 MCM Parallel Gutter Tap, Versitap, Insulating Cover	131.18	61.86
26 05 83 00-0104	EA		400 MCM Parallel Gutter Tap, Versitap, Insulating Cover	142.81	66.97
26 05 83 00-0105	EA		500 MCM Parallel Gutter Tap, Versitap, Insulating Cover	156.10	73.15
26 05 83 00-0106	EA		750 MCM Parallel Gutter Tap, Versitap, Insulating Cover	156.45	73.15
26 05 83 00-0107 Copper Mechanical Lugs (26 05 83)					
26 05 83 00-0108	EA		#8 Copper Mechanical Lugs	26.85	12.06
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.24	
26 05 83 00-0109	EA		#6 Copper Mechanical Lugs	32.25	14.57
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.74	
26 05 83 00-0110	EA		#4 Copper Mechanical Lugs	37.27	16.89
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.13	
26 05 83 00-0111	EA		#2 Copper Mechanical Lugs	48.59	21.52
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.92	
26 05 83 00-0112	EA		1/0 Copper Mechanical Lugs	65.42	28.95
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.37	
26 05 83 00-0113	EA		2/0 Copper Mechanical Lugs	77.70	33.58
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.18	
26 05 83 00-0114	EA		3/0 Copper Mechanical Lugs	90.61	38.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.16	
26 05 83 00-0115	EA		4/0 Copper Mechanical Lugs	102.92	43.33
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.97	
26 05 83 00-0116	EA		250 MCM Copper Mechanical Lugs.....	117.40	48.25
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.95	
26 05 83 00-0117	EA		300 MCM Copper Mechanical Lugs.....	131.65	53.07
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.86	
26 05 83 00-0118	EA		350 MCM Copper Mechanical Lugs.....	145.84	57.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.74	
26 05 83 00-0119	EA		400 MCM Copper Mechanical Lugs.....	159.93	62.73
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.61	
26 05 83 00-0120	EA		500 MCM Copper Mechanical Lugs.....	174.26	67.55
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.53	
26 05 83 00-0121	EA		750 MCM Copper Mechanical Lugs.....	197.63	76.91
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.17	
26 05 83 00-0122	EA		1,000 MCM Copper Mechanical Lugs.....	223.65	86.85
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.11	
26 05 83 00-0123 Gel Connectors (26 05 83)					
26 05 83 00-0124	EA		3 Port, #14 to 2/0, Push On Gel Stub Splice Kit.....	40.12	
			Note: Kit contains connector, gel filled cap and cap clamp.		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.90	
26 05 83 00-0125	EA		4 Port, #14 to 2, Gel Tap Splice Kit.....	39.38	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.48	
26 05 83 00-0126 Other Connections (26 05 83)					
26 05 83 00-0127	EA		#14 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape.....	9.54	4.41
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.65	
26 05 83 00-0128	EA		#12 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape.....	9.62	4.41
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.65	
26 05 83 00-0129	EA		#10 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape.....	9.69	4.41
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.65	
26 05 83 00-0130 Motor/Equipment Connections And Terminations (26 05 83)					
Note: Includes rotation testing. If equipment rating is other than horsepower (KW, CFM, tons, Btu/Hr, etc.) convert units to horsepower and select proper circuit characteristics. Includes material conduit (6 LF max.), connectors and conductors. To connect electrical wiring to all new or existing equipment motors. See CSI section 23 05 13 00-0000 for motors, 23 05 13 00-0216 for motor mounting.					
26 05 83 00-0131 AC Single Phase, 230 Volt (26 05 83 00-0130)					
26 05 83 00-0132	EA		<1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	64.91	24.13
26 05 83 00-0133	EA		1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	64.35	24.13
26 05 83 00-0134	EA		3/4 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	74.67	28.95
26 05 83 00-0135	EA		1 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	90.38	36.19
26 05 83 00-0136	EA		1-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	91.50	36.19
26 05 83 00-0137	EA		2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	91.73	36.19
26 05 83 00-0138	EA		3 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	95.42	36.19
26 05 83 00-0139	EA		5 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	119.99	48.25
26 05 83 00-0140	EA		7-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	124.13	48.25
26 05 83 00-0141	EA		10 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	157.53	60.32
26 05 83 00-0142 AC Three Phase, 230 Volt (26 05 83 00-0130)					



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0143	EA		1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	64.35	24.13
26 05 83 00-0144	EA		3/4 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	74.67	28.95
26 05 83 00-0145	EA		1 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	90.38	36.19
26 05 83 00-0146	EA		1-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	91.50	36.19
26 05 83 00-0147	EA		2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	91.73	36.19
26 05 83 00-0148	EA		3 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	95.42	36.19
26 05 83 00-0149	EA		5 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	119.99	48.25
26 05 83 00-0150	EA		7-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	124.13	48.25
26 05 83 00-0151	EA		10 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	157.53	60.32
26 05 83 00-0152	EA		15 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	163.12	60.32
26 05 83 00-0153	EA		20 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	209.28	72.38
26 05 83 00-0154	EA		25 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	217.77	72.38
26 05 83 00-0155	EA		30 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	299.24	96.51
26 05 83 00-0156	EA		40 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	375.44	120.82
26 05 83 00-0157	EA		50 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	440.04	144.75
26 05 83 00-0158	EA		60 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	526.96	168.87
26 05 83 00-0159	EA		75 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	606.75	193.00
26 05 83 00-0160	EA		100 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	751.46	241.25
26 05 83 00-0161	EA		125 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	885.47	287.09
26 05 83 00-0162	EA		150 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,053.46	334.86
26 05 83 00-0163	EA		200 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,477.98	502.20

26 05 83 00-0164 AC Three Phase, 460 Volt (26 05 83 00-0130)

26 05 83 00-0165	EA		1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	64.35	24.13
26 05 83 00-0166	EA		3/4 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	74.67	28.95
26 05 83 00-0167	EA		1 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	90.38	36.19
26 05 83 00-0168	EA		1-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	91.50	36.19
26 05 83 00-0169	EA		2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	91.73	36.19
26 05 83 00-0170	EA		3 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	95.42	36.19
26 05 83 00-0171	EA		5 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	119.99	48.25
26 05 83 00-0172	EA		7-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	124.13	48.25
26 05 83 00-0173	EA		10 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	157.53	60.32
26 05 83 00-0174	EA		15 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	163.12	60.32
26 05 83 00-0175	EA		20 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	209.29	72.38
26 05 83 00-0176	EA		25 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	217.77	72.38
26 05 83 00-0177	EA		30 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	299.24	96.51
26 05 83 00-0178	EA		40 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	375.73	120.82
26 05 83 00-0179	EA		50 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	440.04	144.75
26 05 83 00-0180	EA		60 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	526.96	168.87
26 05 83 00-0181	EA		75 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	606.75	193.00
26 05 83 00-0182	EA		100 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	751.46	241.25
26 05 83 00-0183	EA		125 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	885.74	287.19
26 05 83 00-0184	EA		150 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,053.83	335.05
26 05 83 00-0185	EA		200 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,478.81	502.58

26 05 83 00-0186 AC Single Phase, 120 Volt (26 05 83 00-0130)

26 05 83 00-0187	EA		1/2 HP AC And Less Single Phase, 120 Volt Motor/Equipment, Connection, Termination And Rotation Testing	64.91	24.13
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26 05 83 00-0188 Motor Moisture Sensor (26 05 83 00-0130)

26 05 83 00-0189	EA		Motor Moisture Sensor Located In Winding.....	593.94	
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26 09 Instrumentation and Control for Electrical Systems (26)

Note: Includes testing of new devices and certification.

26 09 23 Lighting Control Devices (26 09)

26 09 23 00-0001 Lighting Contactors (26 09 23)

Note: Up to 600 volt.

26 09 23 00-0002 Electrically Held, Lighting Contactors (26 09 23 00-0001)

26 09 23 00-0003 NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0002)

26 09 23 00-0004 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0003)

26 09 23 00-0005	EA		20 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	333.18	77.20
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.32	
26 09 23 00-0006	EA		30 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	407.49	86.85
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.11	
26 09 23 00-0007	EA		60 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	749.08	135.10
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.06	
26 09 23 00-0008	EA		100 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,153.02	183.35
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	110.01	
26 09 23 00-0009	EA		200 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	2,331.67	241.25
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.75	

26 09 23 00-0010 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0003)

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0011	EA		20 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	376.09	86.85
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.11	
26 09 23 00-0012	EA		30 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	447.41	96.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.90	
26 09 23 00-0013	EA		60 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	815.17	154.41
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.64	
26 09 23 00-0014	EA		100 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,247.63	202.65
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121.59	
26 09 23 00-0015	EA		200 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	2,506.15	265.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	159.23	
26 09 23 00-0016			4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0003)</small>		
26 09 23 00-0017	EA		20 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	439.94	96.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.90	
26 09 23 00-0018	EA		30 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	523.21	106.15
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63.69	
26 09 23 00-0019	EA		60 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	979.51	173.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	104.22	
26 09 23 00-0020	EA		100 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,482.18	221.96
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	133.17	
26 09 23 00-0021	EA		200 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	3,174.72	289.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	173.70	
26 09 23 00-0022			NEMA 4 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0002)</small>		
26 09 23 00-0023			2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0002)</small>		
26 09 23 00-0024	EA		20 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	523.21	77.20
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.32	
26 09 23 00-0025	EA		30 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	659.44	86.85
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.11	
26 09 23 00-0026	EA		60 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,251.52	135.10
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.06	
26 09 23 00-0027	EA		100 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,866.66	183.35
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	110.01	
26 09 23 00-0028	EA		200 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	3,549.72	241.25
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.75	
26 09 23 00-0029			3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0002)</small>		
26 09 23 00-0030	EA		20 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	546.26	86.85
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.11	
26 09 23 00-0031	EA		30 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	699.37	96.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.90	
26 09 23 00-0032	EA		60 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,319.09	154.41
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.64	
26 09 23 00-0033	EA		100 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,960.77	202.65
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121.59	
26 09 23 00-0034	EA		200 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	3,723.70	265.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	159.23	
26 09 23 00-0035			4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0002)</small>		
26 09 23 00-0036	EA		20 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	591.87	96.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.90	
26 09 23 00-0037	EA		30 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	775.16	106.15
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63.69	
26 09 23 00-0038	EA		60 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,679.40	173.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	104.22	
26 09 23 00-0039	EA		100 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	2,391.29	221.96
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	133.17	
26 09 23 00-0040	EA		200 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	4,932.53	289.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	173.70	
26 09 23 00-0041			Mechanically Held, Lighting Contactors <small>(26 09 23 00-0001)</small>		
26 09 23 00-0042			NEMA 1 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0041)</small>		
26 09 23 00-0043			2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0042)</small>		
26 09 23 00-0044	EA		20 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	471.68	77.20
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.32	
26 09 23 00-0045	EA		30 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	536.17	86.85
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.11	
26 09 23 00-0046	EA		60 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	999.56	135.10
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.06	
26 09 23 00-0047	EA		100 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	1,390.25	183.35
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	110.01	
26 09 23 00-0048	EA		200 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	3,101.79	241.25
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0049 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0042)</small>		
26 09 23 00-0050 EA 20 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	506.54	86.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 09 23 00-0051 EA 30 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	577.08	96.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 09 23 00-0052 EA 60 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	1,067.13	154.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 09 23 00-0053 EA 100 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	1,485.34	202.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 09 23 00-0054 EA 200 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	3,485.00	265.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 09 23 00-0055 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0042)</small>		
26 09 23 00-0056 EA 20 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	548.38	96.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 09 23 00-0057 EA 30 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	617.01	106.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 09 23 00-0058 EA 60 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	1,244.73	173.70
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 09 23 00-0059 EA 100 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	1,734.14	221.96
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 09 23 00-0060 EA 200 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	4,190.41	289.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 09 23 00-0061 NEMA 4 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0041)</small>		
26 09 23 00-0062 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0061)</small>		
26 09 23 00-0063 EA 20 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor.....	685.88	77.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 09 23 00-0064 EA 30 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor.....	788.12	86.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 09 23 00-0065 EA 60 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor.....	1,503.48	135.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 09 23 00-0066 EA 100 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor.....	2,103.88	183.35
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 09 23 00-0067 EA 200 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor.....	4,318.85	241.25
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 09 23 00-0068 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0061)</small>		
26 09 23 00-0069 EA 20 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor.....	727.71	86.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 09 23 00-0070 EA 30 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor.....	829.03	96.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 09 23 00-0071 EA 60 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor.....	1,571.05	154.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 09 23 00-0072 EA 100 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor.....	2,199.47	202.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 09 23 00-0073 EA 200 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor.....	4,703.05	265.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 09 23 00-0074 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0061)</small>		
26 09 23 00-0075 EA 20 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor.....	772.24	96.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 09 23 00-0076 EA 30 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor.....	868.97	106.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 09 23 00-0077 EA 60 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor.....	1,944.62	173.70
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 09 23 00-0078 EA 100 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor.....	2,643.25	221.96
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 09 23 00-0079 EA 200 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor.....	5,912.36	289.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 09 23 00-0080 Combination Lighting Contactors <small>(26 09 23)</small>		
<i>Note: Up to 600 volt.</i>		
26 09 23 00-0081 Electrically Held, Combination Lighting Contactors <small>(26 09 23 00-0080)</small>		
26 09 23 00-0082 NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors <small>(26 09 23 00-0081)</small>		
26 09 23 00-0083 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors <small>(26 09 23 00-0082)</small>		
26 09 23 00-0084 EA 30 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch.....	886.41	106.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0085 EA 60 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,391.71 101.90	169.85
26 09 23 00-0086 EA 100 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,218.39 133.75	222.92
26 09 23 00-0087 EA 200 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,985.26 175.15	291.92
26 09 23 00-0088 NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors <small>(26 09 23 00-0081)</small>		
26 09 23 00-0089 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors <small>(26 09 23 00-0088)</small>		
26 09 23 00-0090 EA 30 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,557.56 63.69	106.15
26 09 23 00-0091 EA 60 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,426.07 101.90	169.85
26 09 23 00-0092 EA 100 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,023.35 133.75	222.92
26 09 23 00-0093 EA 200 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,294.14 175.15	291.92
26 09 23 00-0094 Mechanically Held, Combination Lighting Contactors <small>(26 09 23 00-0090)</small>		
26 09 23 00-0095 NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors <small>(26 09 23 00-0094)</small>		
26 09 23 00-0096 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors <small>(26 09 23 00-0095)</small>		
26 09 23 00-0097 EA 30 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	963.03 63.69	106.15
26 09 23 00-0098 EA 60 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,656.93 101.90	169.85
26 09 23 00-0099 EA 100 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,469.61 133.75	222.92
26 09 23 00-0100 EA 200 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,699.14 175.15	291.92
26 09 23 00-0101 NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors <small>(26 09 23 00-0094)</small>		
26 09 23 00-0102 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors <small>(26 09 23 00-0101)</small>		
26 09 23 00-0103 EA 30 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,634.91 63.69	106.15
26 09 23 00-0104 EA 60 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,692.76 101.90	169.85
26 09 23 00-0105 EA 100 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,275.31 133.75	222.92
26 09 23 00-0106 EA 200 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,008.02 175.15	291.92
26 09 23 00-0107 Photo-Cell, Relay, Lighting Arrester, Receptacle And Bracket <small>(26 09 23)</small>		
26 09 23 00-0108 EA Photo-Cell, 105-130 Volt Relay, Lighting Arrester, Receptacle And Bracket <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.58 15.08	25.09
26 09 23 00-0109 EA Photo-Cell, 105-285 Volt Relay, Lighting Arrester, Receptacle And Bracket <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	128.74 15.08	25.09
26 09 23 00-0110 Dimming Module System (Lutron Grafik Eye) <small>(26 09 23)</small>		
26 09 23 00-0111 EA 2,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-2) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,022.77 57.90	96.51
26 09 23 00-0112 EA 4,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-4) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,304.59 57.90	96.51
26 09 23 00-0113 EA 6,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-6) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,591.43 57.90	96.51



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0114 Dimming Module Contol (Leviton) <small>(26 09 23)</small>		
26 09 23 00-0115 EA 5 Amp Wireless Dimming Module (Leviton WSD05-9D0).....	132.12	12.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		7.25
26 09 23 00-0116 Light Control Panels <small>(26 09 23)</small>		
26 09 23 00-0117 Lighting Control Panels (Watt Stopper) <small>(26 09 23 00-0116)</small>		
26 09 23 00-0118 Lighting Control Panels (Watt Stopper) <small>(26 09 23 00-0117)</small>		
26 09 23 00-0119 EA 4 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-4)	1,418.04	135.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		81.18
26 09 23 00-0120 EA 8 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-8)	1,332.99	144.95
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		86.98
26 09 23 00-0121 EA 8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8S-8-G)	1,496.05	144.95
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		86.98
26 09 23 00-0122 EA 8 Relays, Surface Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24S-8)	2,225.77	144.95
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		86.98
26 09 23 00-0123 EA 8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24S-8-G)	2,417.21	144.95
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		86.98
26 09 23 00-0124 EA 4 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-4)	1,574.86	135.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		81.18
26 09 23 00-0125 EA 8 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-8)	1,689.82	144.95
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		86.98
26 09 23 00-0126 EA 8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8F-8-G)	1,881.07	144.95
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		86.98
26 09 23 00-0127 EA 8 Relays, Flush Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24F-8)	2,302.28	144.95
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		86.98
26 09 23 00-0128 EA 8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24F-8-G)	2,493.71	144.95
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		86.98
26 09 23 00-0129 Accessories For Lighting Control Panels (Watt Stopper) <small>(26 09 23 00-0117)</small>		
26 09 23 00-0130 EA Low Voltage Photocell For Watt Stopper Lighting Control Panels (Watt Stopper EM-24A2)	139.23	24.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		14.50
26 09 23 00-0131 EA Automatic Control Switch For Watt Stopper Lighting Control Panels (Watt Stopper AS-100-W)	107.28	19.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		11.60
26 09 23 00-0132 EA Low Voltage Momentary Switch For Watt Stopper Lighting Control Panels (Watt Stopper DCC2)	58.09	19.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		11.60
26 09 23 00-0133 Lighting Control Panels (Synergy) <small>(26 09 23 00-0116)</small>		
26 09 23 00-0134 Lighting Control Panels (Synergy) <small>(26 09 23 00-0133)</small>		
26 09 23 00-0135 EA 8 Relays, Surface Mount, Lighting Control Panel (Synergy SwitchPak SPAK 8S)	1,618.14	144.95
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		86.98
26 09 23 00-0136 Accessories For Lighting Control Panels (Synergy) <small>(26 09 23 00-0133)</small>		
26 09 23 00-0137 EA Outdoor Photocell For Synergy SwitchPak Lighting Control Panels (Synergy LSA-APS-OL)	390.06	24.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		14.50
26 09 23 00-0138 EA Sweepswitch, Line Voltage Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy SSPL-20)	151.26	9.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		5.80
26 09 23 00-0139 EA Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy LVPS-2BT)	91.08	14.50
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		8.70
26 09 23 00-0140 Lighting Switching Panels (Lutron) <small>(26 09 23 00-0116)</small>		
26 09 23 00-0141 Lighting Switching Panels (Lutron) <small>(26 09 23 00-0140)</small>		
26 09 23 00-0142 EA 8 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS8-FT)	1,332.92	144.95
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		86.98
26 09 23 00-0143 EA 12 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS12-FT)	1,801.11	154.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		92.77
26 09 23 00-0144 EA 16 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS16-FT)	2,335.69	164.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		98.57
26 09 23 00-0145 Wireless (ZigBee) LED Lighting Control Panels (PlanLED GigaTera) <small>(26 09 23 00-0116)</small>		
26 09 23 00-0146 EA 6 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC6Z)	914.62	135.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		81.18
26 09 23 00-0147 EA 12 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC12Z)	1,031.71	135.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		81.18
26 09 23 00-0148 EA 18 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC18Z)	1,148.81	135.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		81.18

26 Electrical

26 09 Instrumentation and Control for Electrical Systems

26 09 23 Lighting Control Devices



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0149			Power Filters (26 09 23 00-0116)		
26 09 23 00-0150	EA		600 Amp 480/277 Volt, 4 Conductor Power Filter With 80" X 60" X 17" Enclosure	35,012.24	804.15
26 09 23 00-0151	EA		200 Amp 480/277 Volt, 4 Conductor Power Filter With 25" X 40" X 17" Enclosure	20,741.61	349.62
26 09 23 00-0152			Signal Filters (26 09 23 00-0116)		
26 09 23 00-0153	EA		0.5 Amp 125 V 500 Conductor Signal Filter With 19" X 36-3/4" X 19-1/8 Case	15,937.16	731.10
26 09 23 00-0154	EA		0.5 Amp 125 V 200 Conductor Signal Filter With 29" X 40" X 11" Case	10,914.70	446.80
26 09 23 00-0155	EA		0.5 Amp 125 V 3 Pair Conductor Signal Filter With 12" X 12" X 4" Case	6,086.14	259.40
26 09 23 00-0156	EA		5 Amp 24 V DC 5 V 2 - 1 Pair Conductor Signal Filter With Case	8,313.07	259.40
26 09 23 00-0157			Lighting Control Devices (Encelium) (26 09 23)		
26 09 23 00-0158	EA		8 Port, G4, Wired Energy Control Unit, GreenBus II™ (120V) With Polaris 3D™ (Encelium EN-ECU-G4-P3D) Note: Excludes GB II cable.	8,924.21	96.64
26 09 23 00-0159	EA		Server, System Support Unit (SSU) (Encelium EN-SSU-1U) Note: Excludes GB II and Ethernet cable.	4,110.03	96.64
26 09 23 00-0160	EA		Server, System Support Unit (SSU), VIRTUAL (Encelium EN-SW-SSUVIRT) Note: Excludes GB II and Ethernet cable.	2,165.81	96.64
26 09 23 00-0161	EA		Server, System Support Unit (SSU) With BACnet (Encelium EN-SSU-BIF-KIT) Note: Excludes GB II and Ethernet cable.	8,976.37	96.64
26 09 23 00-0162	EA		Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK) Note: Excludes GB II cable.	77.12	12.08
26 09 23 00-0163	EA		Damp Rated, Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK/DR) Note: Excludes GB II cable.	115.64	12.08
26 09 23 00-0164	EA		Wired Area Lighting Controller, Heavy Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK) Note: Excludes GB II cable.	150.68	24.16
26 09 23 00-0165	EA		Damp Rated, Wired Area Lighting Controller, Heavy Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK-DR) Note: Excludes GB II cable.	179.00	24.16
26 09 23 00-0166	EA		Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK) Note: Excludes GB II cable.	101.28	24.16
26 09 23 00-0167	EA		Damp Rated, Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK/DR) Note: Excludes GB II cable.	139.80	24.16
26 09 23 00-0168	EA		16 Port, Rack Mounted, Wired Ethernet Switch (Encelium ETH-700) Note: Excludes cable.	344.93	48.32
26 09 23 00-0169	EA		Rack Mounted, Wired Power Bar (Encelium PWR-700)	265.79	48.32
26 09 23 00-0170	EA		Rack Mounted, Wired Power Bar With Surge Protection (Encelium PWR-800)	464.72	48.32
26 09 23 00-0171	EA		Wall Mounted, 4U Mounting Rack (Encelium RCK-700)	176.37	48.32
26 09 23 00-0172	EA		4 Port, 10/100 VPn, Dual WAN, Wired Router (Encelium RV042) Note: Excludes cable.	517.72	48.32
26 09 23 00-0173	EA		Wired BACnet Interface (Encelium BIF-600) Note: Excludes cable.	5,252.89	193.28
26 09 23 00-0174	EA		Wired AV Interface (Encelium EN-SW-AVINT) Note: Excludes cable.	3,835.52	48.32
26 09 23 00-0175	EA		Two Button, GB2, Wired Wall Station (Encelium EN-WS-2B-GB2-WH) Note: Includes white finish. Excludes GB II cable.	149.40	12.08
26 09 23 00-0176	EA		3 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC3-GB2-WH) Note: Includes white finish. Excludes GB II cable.	180.69	12.08
26 09 23 00-0177	EA		3 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WH) Note: Includes white finish. Excludes GB II cable.	173.14	12.08
26 09 23 00-0178	EA		5 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC5-GB2-WH) Note: Includes white finish. Excludes GB II cable.	180.69	12.08
26 09 23 00-0179	EA		6 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC6-GB2-WH) Note: Includes white finish. Excludes GB II cable.	173.14	12.08
26 09 23 00-0180	EA		Rocker Switch, GB2, Wired Wall Station (Encelium EN-WS-R-GB2-WT) Note: Includes white finish. Excludes GB II cable.	132.48	12.08
26 09 23 00-0181	EA		Scene Controller, GB2, Wired Wall Station (Encelium EN-WS-SC3D-GB2-WT) Note: Includes white finish. Excludes GB II cable.	180.69	12.08
26 09 23 00-0182	EA		3 Zone Controller, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WT) Note: Includes white finish. Excludes GB II cable.	173.14	12.08
26 09 23 00-0183	EA		Wired Key Switch Controller (Encelium KSW-300) Note: Excludes GB II cable.	129.43	12.08
26 09 23 00-0184	EA		Wall Station Surface Mount Kit (Encelium EN-SMK-ZB-WH) Note: Includes white finish.	59.01	12.08
26 09 23 00-0185	EA		1/2' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-0.5FT-GB2)	56.24	24.16
26 09 23 00-0186	EA		1' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-01FT-GB2)	56.57	24.16
26 09 23 00-0187	EA		5' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-05FT-GB2)	59.24	24.16
26 09 23 00-0188	EA		10' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-10FT-GB2)	61.87	24.16
26 09 23 00-0189	EA		15' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-15FT-GB2)	65.01	24.16
26 09 23 00-0190	EA		20' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-20FT-GB2)	67.85	24.16
26 09 23 00-0191	EA		25' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-25FT-GB2)	71.33	24.16
26 09 23 00-0192	EA		50' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-50FT-GB2)	87.06	24.16
26 09 23 00-0193	EA		1,000' Box, GreenBus II™ Cable (Encelium EN-BC-1000FT-GB2)	484.81	24.16
26 09 23 00-0194	EA		Box Of 50, Greenbus II™ Connectors (Encelium EN-CON-50-GB2)	128.18	24.16
26 09 23 00-0195	EA		1,000' Box, Category 5, Network Cable (Encelium NWC-400-B)	621.86	24.16
26 09 23 00-0196	EA		Indoor Wired Photo Sensor (Encelium PHS-700) Note: Excludes GB II cable.	383.41	48.32
26 09 23 00-0197	EA		Outdoor Wired Photo Sensor (Encelium PHS-800) Note: Excludes GB II cable.	383.41	48.32



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0198 EA Skylight Wired Photo Sensor (Encelium PHS-900)..... Note: Excludes GB II cable.	383.41	48.32
26 09 23 00-0199 EA 450 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-0450)..... Note: Excludes GB II cable.	212.89	48.32
26 09 23 00-0200 EA 1,500 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-1500)..... Note: Excludes GB II cable.	207.17	48.32
26 09 23 00-0201 EA 2,500 SF, Wide View, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-WV00)..... Note: Excludes GB II cable.	210.98	48.32
26 09 23 00-0202 EA High-Bay, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-HBAY)..... Note: Excludes GB II cable.	230.04	48.32
26 09 23 00-0203 EA Long-Range, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-LRNG)..... Note: Excludes GB II cable.	210.98	48.32
26 09 23 00-0204 EA Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor, 120-277VAC, No Neutral (Encelium SSP-LNV)..... Note: Excludes GB II cable.	172.88	48.32
26 09 23 00-0205 EA High Bay, Passive Infrared, Fixture Mounted, Wired Occupancy Sensor (Encelium WSPM24V)..... Note: Excludes GB II cable.	181.58	48.32
26 09 23 00-0206 EA High Bay, Passive Infrared, Surface Mounted, Wired Occupancy Sensor (Encelium WSPSM24V)..... Note: Excludes GB II cable.	181.58	48.32
26 09 23 00-0207 EA 360 Degree Lens, Wired Occupancy Sensor (Encelium WSPLNS360)..... Note: Excludes GB II cable.	108.99	48.32
26 09 23 00-0208 EA Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium PW-100-24)..... Note: Excludes GB II cable.	215.70	48.32
26 09 23 00-0209 EA Hallway, Wired Occupancy Sensor (Encelium HW-13)..... Note: Excludes GB II cable.	293.38	48.32
26 09 23 00-0210 EA 500 SF, 180 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-0500)..... Note: Excludes GB II cable.	260.53	48.32
26 09 23 00-0211 EA 1,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-1000)..... Note: Excludes GB II cable.	275.77	48.32
26 09 23 00-0212 EA 2,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-2000)..... Note: Excludes GB II cable.	283.40	48.32
26 09 23 00-0213 EA 1,200 SF, (Multi) Passive Infrared And Ultrasonic, Wall Mounted, Wired Occupancy Sensor (Encelium SWM- 1200)..... Note: Excludes GB II cable.	258.62	48.32
26 09 23 00-0214 EA Passive Infrared And Ultrasonic, Wall Switch Mounted, Wired Occupancy Sensor, 120-277VAC, No Neutral (Encelium SSM-LNV)..... Note: Excludes GB II cable.	220.52	48.32
26 09 23 00-0215 EA 500 SF, 180 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC05-M0W)..... Note: Excludes GB II cable.	268.73	48.32
26 09 23 00-0216 EA 1,200 SF, 360 Degree, Dual Technology, Wall Mounted, Wired Occupancy Sensor (Encelium OSW12-M0W)..... Note: Excludes GB II cable.	266.73	48.32
26 09 23 00-0217 EA 2,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC20-M0W)..... Note: Excludes GB II cable.	292.74	48.32
26 09 23 00-0218 EA 1,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC10-M0W)..... Note: Excludes GB II cable.	284.74	48.32
26 09 23 00-0219 EA Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium DW-100-24)..... Note: Excludes GB II cable.	304.28	48.32
26 09 23 00-0220 EA Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium WSD-PDT-LV)..... Note: Excludes GB II cable.	284.82	48.32
26 09 23 00-0221 EA Wide View, Dual Technology, Wired Occupancy Sensor (Encelium WV-PDT)..... Note: Excludes GB II cable.	284.82	48.32
26 09 23 00-0222 EA 10A, 120V, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRU1C).....	197.00	48.32
26 09 23 00-0223 EA 10A, 277V, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRH1C).....	208.97	48.32
26 09 23 00-0224 EA 20A, 120V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR01P).....	344.66	48.32
26 09 23 00-0225 EA 20A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR02P).....	366.65	48.32
26 09 23 00-0226 EA 10A, 120V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2401D).....	277.93	48.32
26 09 23 00-0227 EA 10A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2402D).....	288.55	48.32
26 09 23 00-0228 EA 24 Circuit, Relay Module (Encelium EN-RPM-24C-GB2)..... Note: Excludes GB II cable and enclosure.	803.12	96.64
26 09 23 00-0229 EA 24 Circuit, 120/277V, Relay Panel With Relay Module (Encelium EN-RP-24C-GB2-120/277V)..... Note: Excludes GB II cable.	2,559.06	386.55
26 09 23 00-0230 EA 12 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA12R120-347V)..... Note: Excludes GB II cable.	3,630.63	386.55
26 09 23 00-0231 EA 24 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA24R120-347V)..... Note: Excludes GB II cable.	4,702.19	386.55
26 09 23 00-0232 EA Wired Phase Cut Dimming Module (Encelium EN-PCDM-GB2)..... Note: Excludes GB II cable.	401.56	48.32
26 09 23 00-0233 EA Wired DALI Bridge (Encelium EN-DB-1L-GB2)..... Note: Excludes GB II cable.	456.01	48.32
26 09 23 00-0234 EA Wireless Manager (Encelium EN-WM-ZB-P3D)..... Note: Includes white finish.	1,185.63	48.32
26 09 23 00-0235 EA Wireless Control Module (Encelium EN-WCM-ZB).....	171.74	24.16
26 09 23 00-0236 EA Damp Rated, Wireless Control Module (Encelium EN-WCM-ZB-DR).....	200.78	24.16
26 09 23 00-0237 EA Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK).....	201.50	24.16
26 09 23 00-0238 EA Damp Rated, Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK-DR).....	208.35	24.16
26 09 23 00-0239 EA 2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH)..... Note: Includes white finish.	147.58	12.08
26 09 23 00-0240 EA 3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH)..... Note: Includes white finish.	147.58	12.08
26 09 23 00-0241 EA 3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH)..... Note: Includes white finish.	147.58	12.08



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0242 EA 5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) Note: Includes white finish.	147.58	12.08
26 09 23 00-0243 EA 6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH)..... Note: Includes white finish.	147.58	12.08
26 09 23 00-0244 EA Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	152.30	12.08
26 09 23 00-0245 EA 315 MHz, Wireless Photocell (Encelium TAP-17C)	336.22	48.32
26 09 23 00-0246 EA 450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB)	220.06	48.32
26 09 23 00-0247 EA 1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB)	220.06	48.32
26 09 23 00-0248 EA 1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR)	249.10	48.32
26 09 23 00-0249 EA 450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR)	249.10	48.32
26 09 23 00-0250 EA 2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH)..... Note: Includes white finish.	147.58	12.08
26 09 23 00-0251 EA 3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH)	147.58	12.08
26 09 23 00-0252 EA 3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH)..... Note: Includes white finish.	147.58	12.08
26 09 23 00-0253 EA 5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH)	147.58	12.08
26 09 23 00-0254 EA 6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH)..... Note: Includes white finish.	147.58	12.08
26 09 23 00-0255 EA Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	152.30	12.08
26 09 23 00-0256 EA 315 MHz, Wireless Photocell (Encelium TAP-17C)	336.22	48.32
26 09 23 00-0257 EA 3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH).....	147.58	12.08
26 09 23 00-0258 EA 5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH)	147.58	12.08
26 09 23 00-0259 EA 6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH).....	147.58	12.08
26 09 23 00-0260 EA Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	152.30	12.08
26 09 23 00-0261 EA 315 MHz, Wireless Photocell (Encelium TAP-17C)	336.22	48.32
26 09 23 00-0262 EA 450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB)	220.06	48.32
26 09 23 00-0263 EA 1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB)	220.06	48.32
26 09 23 00-0264 EA 1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR)	249.10	48.32
26 09 23 00-0265 EA 450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR)	249.10	48.32
26 09 23 00-0266 EA 2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH)..... Note: Includes white finish.	147.58	12.08
26 09 23 00-0267 EA 3 Scene Control, Wireless, Wall Station (Encelium EN-WS-SC3-ZB-WH)	147.58	12.08
26 09 23 00-0268 EA 3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH)..... Note: Includes white finish.	147.58	12.08
26 09 23 00-0269 EA 5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH)	147.58	12.08
26 09 23 00-0270 EA 6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH)..... Note: Includes white finish.	147.58	12.08
26 09 23 00-0271 EA Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	152.30	12.08
26 09 23 00-0272 EA 315 MHz, Wireless Photocell (Encelium TAP-17C)	336.22	48.32
26 09 23 00-0273 EA Ceiling Mounted, Wireless Mounting Kit (Encelium EN-SCPPH-MK-ZB).....	113.33	48.32
26 09 23 00-0274 EA Emergency Lighting Control Unit (WattStopper ELCU-200)	198.96	43.49
26 09 23 00-0275 EA Wireless Ethernet Transceiver Unit (cns-enocean Connectivity Kit)	431.81	48.32
26 09 23 00-0276 Lighting Control Sensors <small>(26 09 23)</small>		
26 09 23 00-0277 EA DALIMulti Sensor, 600 SF (Fifthlight FLT-MTS6-DALI)	227.91	21.74
26 09 23 00-0278 EA DALIMulti Sensor, 1,200 SF (Fifthlight FLT-MTS12-DALI)	227.91	21.74
26 09 23 00-0279 EA Smart Multi-sensor (LG 9SD131VVDA.ALWB000)	201.15	21.74
26 09 23 00-0280 EA Zigbee Dongle (LG 9CM2315VD2.AWP01U)	62.34	14.50
26 09 23 00-0281 EA Clip for Performance Troffer (LG BKTTR015122.BUAAWAA).....	5.96	
26 09 23 00-0282 EA Clip for Downlight (BKTCE015123.BUAAWAA).....	39.77	
26 09 23 00-0283 EA Clip for Tube (LG BKTTU015121.BUAAWAA).....	7.91	
26 09 23 00-0284 Radio Controlled Devices (Lutron) <small>(26 09 23)</small>		
26 09 23 00-0285 Tabletop Transmitters For Radio Controlled Devices <small>(26 09 23 00-0284)</small>		
26 09 23 00-0286 Switched Lighting Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0285)</small>		
26 09 23 00-0287 EA One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-SW-B-WH).....	290.88	14.50
26 09 23 00-0288 EA Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2SW-B-WH).....	376.23	14.50
26 09 23 00-0289 EA Three Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3SW-B-WH)	472.25	14.50
26 09 23 00-0290 Dimmable Lighting Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0285)</small>		
26 09 23 00-0291 EA One Zone Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-B-WH)	290.88	14.50
26 09 23 00-0292 EA Two Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-B-WH).....	344.23	14.50
26 09 23 00-0293 EA Three Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-B-WH)	472.25	14.50
26 09 23 00-0294 EA One Zone Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-WH).....	290.88	14.50
26 09 23 00-0295 EA Two Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-WH).....	376.23	14.50
26 09 23 00-0296 EA Three Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-WH).....	472.25	14.50
26 09 23 00-0297 Dimmable And Switched Lighting Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0285)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0298 EA One Zone Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LSW-B-WH)	376.23	14.50
26 09 23 00-0299 EA Two Zones Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LSW-B-WH).....	472.25	14.50
26 09 23 00-0300 EA One Zone Of Dimmable Lighting Controls And Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2SW-B-WH).....	472.25	14.50
26 09 23 00-0301 Dimmable Lighting Controls And Shade Or Projection Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0285)</small>		
26 09 23 00-0302 EA One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-C3-B-WH).....	290.88	14.50
26 09 23 00-0303 EA Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2C3-B-WH).....	376.23	14.50
26 09 23 00-0304 EA One Zone Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC2-B-WH).....	344.23	14.50
26 09 23 00-0305 EA Two Zones Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC2-B-WH).....	418.91	14.50
26 09 23 00-0306 EA One Zone Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC3-B-WH).....	376.23	14.50
26 09 23 00-0307 EA Two Zones Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC3-B-WH).....	450.92	14.50
26 09 23 00-0308 EA One Zone Of Dimmable Lighting Controls And Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2C3-B-WH).....	376.23	14.50
26 09 23 00-0309 Dimmable Lighting Controls And Sivoia QED Shade Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0285)</small>		
26 09 23 00-0310 EA One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-Q-B-WH).....	290.88	14.50
26 09 23 00-0311 EA Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2Q-B-WH).....	376.23	14.50
26 09 23 00-0312 EA One Zone Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQ-B-WH).....	376.23	14.50
26 09 23 00-0313 EA Two Zones Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LQ-B-WH).....	472.25	14.50
26 09 23 00-0314 EA One Zone Of Dimmable Lighting Controls And Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2Q-B-WH).....	376.23	14.50
26 09 23 00-0315 EA One Zone Of Dimmable Lighting Controls, One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, One Zone Of Output Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQC2-B-WH).....	472.25	14.50
26 09 23 00-0316 Output Switch Closure Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0285)</small>		
26 09 23 00-0317 EA Five Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5-WH).....	290.88	14.50
26 09 23 00-0318 EA Nine Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5C4-WH).....	376.23	14.50
26 09 23 00-0319 EA Thirteen Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C52C4-WH).....	472.25	14.50
26 09 23 00-0320 Accessories For Tabletop Wireless Transmitter <small>(26 09 23 00-0285)</small>		
26 09 23 00-0321 EA Security Mounting Brackets For Tabletop Wireless Transmitters (Lutron RTA-SEC-WH).....	66.84	14.50
26 09 23 00-0322 Wall Box Transmitters For Radio Controlled Devices <small>(26 09 23 00-0284)</small>		
26 09 23 00-0323 EA On/Off Switched Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2BSW-WH).....	269.54	14.50
26 09 23 00-0324 EA Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2B-WH).....	290.88	14.50
26 09 23 00-0325 EA Four Preset Lighting Level And Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-5B-WH).....	290.88	14.50
26 09 23 00-0326 EA Open/Stop/Close Motorized Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C3LB-WH).....	290.88	14.50
26 09 23 00-0327 EA Up/Down Projection Screen Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C2LB-WH).....	290.88	14.50
26 09 23 00-0328 EA Open/Stop/Close Sivoia QED Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-Q3LB-WH).....	290.88	14.50
26 09 23 00-0329 Interfaces For Radio Controlled Devices <small>(26 09 23 00-0284)</small>		
26 09 23 00-0330 EA Incandescent And Magnetic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-INC-2000).....	269.54	14.50
26 09 23 00-0331 EA Lutron Tu-Wire Ballast Interface For Radio Controlled Devices (Lutron FDI-INC-2000).....	269.54	14.50
26 09 23 00-0332 EA Electronic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-ELV-1000).....	269.54	14.50
26 09 23 00-0333 EA Sivoia QED Controllable Window Treatments Contact Closure Interface For Radio Controlled Devices (Lutron SVQ-CCI-8).....	540.53	14.50
26 09 23 00-0334 EA RS-232 Interface For Radio Controlled Devices (Lutron RTA-RS232).....	770.98	14.50
26 09 23 00-0335 EA Switch Closure Input Interface For Radio Controlled (Lutron RTA-SCI).....	770.98	14.50
26 09 23 00-0336 Fluorescent Controllers For Radio Controlled Devices <small>(26 09 23 00-0284)</small>		
26 09 23 00-0337 EA On/Off Switched Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-SW).....	344.23	14.50
26 09 23 00-0338 EA Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F).....	386.90	14.50
26 09 23 00-0339 EA Switch Closures And Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F-SC).....	450.92	14.50

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26 09 23 00-0340 AC Motor Group Controllers For Radio Controlled Devices <small>(26 09 23 00-0284)</small>		
26 09 23 00-0341 EA Up To Two Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-2M-GC)	504.26	14.50
26 09 23 00-0342 EA Up To Four Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-4M-GC)	690.97	14.50
26 09 23 00-0343 RF Wireless Technology, Switches And Dimmers (Lutron® Maestro Wireless®) <small>(26 09 23)</small>		
26 09 23 00-0344 RF Wireless Technology, Switches (Lutron® Maestro Wireless®) <small>(26 09 23 00-0343)</small>		
26 09 23 00-0345 EA 6 Amp Lighting, 3 Amp Fan, RF Wireless Technology, Electronic Switch (Lutron® Maestro Wireless® MRF2-6ANS)	87.78	19.32
26 09 23 00-0346 EA 8 Amp Lighting, 5.8 Amp Fan, RF Wireless Technology, Spec Grade Electronic Switch (Lutron® Maestro Wireless® MRF2-8ANS-120).....	101.36	19.32
26 09 23 00-0347 EA 8 Amp Lighting, 3 Amp Fan, RF Wireless Technology, Spec Grade Electronic Switch (Lutron® Maestro Wireless® MRF2-8S-DV).....	152.00	19.32
26 09 23 00-0348 EA 120 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MA-AS)	65.11	19.32
26 09 23 00-0349 EA 277 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MA-AS-277)	76.98	19.32
26 09 23 00-0350 EA 120 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MSC-AS)	70.09	19.32
26 09 23 00-0351 EA 277 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MSC-AS-277)	82.20	19.32
26 09 23 00-0352 RF Wireless Technology, Dimmers (Lutron® Maestro Wireless®) <small>(26 09 23 00-0343)</small>		
26 09 23 00-0353 EA 600 Watt, 120 Volt, RF Wireless Technology, Incandescent Dimmer (Lutron® Maestro Wireless® MRF2-600M)	84.64	19.32
26 09 23 00-0354 EA 600 Watt, 120 Volt, RF Wireless Technology, Magnetic Low Voltage Dimmer (Lutron® Maestro Wireless® MRF2-6MLV)	90.91	19.32
26 09 23 00-0355 EA 600 Watt, 120 Volt, RF Wireless Technology, Spec Grade Neutral Wire Dimmer (Lutron® Maestro Wireless® MRF2-6ND-120).....	106.59	19.32
26 09 23 00-0356 EA 1,000 Watt, 120 Volt, RF Wireless Technology, Spec Grade Dimmer (Lutron® Maestro Wireless® MRF2-10D-120)	116.25	24.16
26 09 23 00-0357 EA 600 Watt, 120 Volt, RF Wireless Technology, Electronic Low-Voltage Dimmer (Lutron® Maestro Wireless® MRF2-6ELV-120).....	137.42	19.32
26 09 23 00-0358 EA 120 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MA-R).....	53.03	19.32
26 09 23 00-0359 EA 277 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MA-R-277).....	61.65	19.32
26 09 23 00-0360 EA 120 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MSC-AD)	56.17	19.32
26 09 23 00-0361 EA 277 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MSC-AD-277)	64.79	19.32
26 09 23 00-0362 EA 6 Amp, 120/277 Volt, RF Wireless Technology, 3-Wire Fluorescent Spec Grade Neutral Wire Dimmer (Lutron® Maestro Wireless® MRF2-F6AN-DV).....	161.71	33.82
26 09 23 00-0363 Occupancy Sensors (Watt Stopper) <small>(26 09 23)</small>		
Note: Includes testing of new devices and certification.		
26 09 23 00-0364 Occupancy Sensors <small>(26 09 23 00-0363)</small>		
Note: Exclude boxes.		
26 09 23 00-0365 Wall Switch Mounted Occupancy Sensors <small>(26 09 23 00-0364)</small>		
26 09 23 00-0366 Ultrasonic, Wall Switch Mounted Occupancy Sensors <small>(26 09 23 00-0365)</small>		
26 09 23 00-0367 EA Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-100).....	99.88	9.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	5.80	
26 09 23 00-0368 EA Dual Relay, Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-200).....	117.72	9.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	5.80	
26 09 23 00-0369 Passive Infrared, Wall Switch Mounted Occupancy Sensors <small>(26 09 23 00-0365)</small>		
26 09 23 00-0370 EA Nightlight, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WN-100)	82.63	9.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	5.80	
26 09 23 00-0371 EA Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WS).....	77.22	9.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	5.80	
26 09 23 00-0372 EA Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-100)	87.32	9.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	5.80	
26 09 23 00-0373 EA Dual Relay, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-200).....	100.96	9.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	5.80	
26 09 23 00-0374 EA Dimmable, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WD)	99.83	9.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	5.80	
26 09 23 00-0375 Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensors <small>(26 09 23 00-0365)</small>		
26 09 23 00-0376 EA Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-100).....	144.88	9.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	5.80	
26 09 23 00-0377 EA Dual Relay, Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-200)	156.17	9.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	5.80	
26 09 23 00-0378 Wall Switch Mounted Occupancy Sensor Accessories <small>(26 09 23 00-0365)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0379 EA Single Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP).....	5.92	2.42
26 09 23 00-0380 EA One Side Blank, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	6.82	2.42
26 09 23 00-0381 EA Switch Option, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	6.82	2.42
26 09 23 00-0382 Ceiling Mounted Occupancy Sensors (26 09 23 00-0364)		
26 09 23 00-0383 Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0382)		
26 09 23 00-0384 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0383)		
26 09 23 00-0385 EA 500 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-500A)	132.79	21.74
26 09 23 00-0386 EA 1,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-1000A).....	152.19	21.74
26 09 23 00-0387 EA 2,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000A).....	171.74	21.74
26 09 23 00-0388 EA 90 LF Hallway Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000H)	169.98	21.74
26 09 23 00-0389 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0383)		
26 09 23 00-0390 EA 600 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-605)	144.27	21.74
26 09 23 00-0391 EA 1,100 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1105)	163.96	21.74
26 09 23 00-0392 EA 2,205 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2205)	182.59	21.74
26 09 23 00-0393 EA 90 LF Hallway Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2255).....	185.75	21.74
26 09 23 00-0394 EA 600 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-600).....	156.04	21.74
26 09 23 00-0395 EA 1,100 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1100)	176.21	21.74
26 09 23 00-0396 EA 2,200 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2200)	196.30	21.74
26 09 23 00-0397 EA 90 LF Hallway Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2250).....	202.09	21.74
26 09 23 00-0398 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0383)		
26 09 23 00-0399 EA 500 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-1).....	149.96	21.74
26 09 23 00-0400 EA 1,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-2).....	173.47	21.74
26 09 23 00-0401 EA 2,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-3).....	193.16	21.74
26 09 23 00-0402 EA 500 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-1).....	141.30	21.74
26 09 23 00-0403 EA 1,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-2).....	170.93	21.74
26 09 23 00-0404 EA 2,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-3).....	180.53	21.74
26 09 23 00-0405 EA 500 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-1).....	151.18	21.74
26 09 23 00-0406 EA 1,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-2).....	168.24	21.74
26 09 23 00-0407 EA 2,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-3).....	189.31	21.74
26 09 23 00-0408 Passive Infrared, Ceiling Mounted Occupancy Sensors (26 09 23 00-0382)		
26 09 23 00-0409 EA 30 Segment, 5 Level Lens, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper WPIR)	110.14	21.74
26 09 23 00-0410 EA HVAC/BAS, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-12/24)	112.43	21.74
26 09 23 00-0411 EA Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-205)	117.86	21.74
26 09 23 00-0412 EA Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-355)	132.42	21.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.05	
26 09 23 00-0413 EA Low Profile, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-305).....	134.19	21.74
26 09 23 00-0414 EA Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-200)	141.81	21.74
26 09 23 00-0415 EA Low Profile, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-300)	154.00	21.74
26 09 23 00-0416 Passive Infrared And Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0382)		
26 09 23 00-0417 EA 1,000 SF 360 Degree Coverage, Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-355)	182.43	21.74
26 09 23 00-0418 EA 1,000 SF 360 Degree Coverage, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-300)	208.23	21.74
26 09 23 00-0419 EA 1,000 SF 360 Degree Coverage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-305)	176.95	21.74
26 09 23 00-0420 Ceiling/Wall Mounted Occupancy Sensors (26 09 23 00-0364)		
26 09 23 00-0421 Passive Infrared, Ceiling/Wall Mounted Occupancy Sensors (26 09 23 00-0420)		
26 09 23 00-0422 EA 120 LF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100-1/3)	223.69	21.74
26 09 23 00-0423 EA 2,000 SF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100)	223.69	21.74

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26 09 23 00-0424 Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensors <small>(26 09 23 00-0420)</small>		
26 09 23 00-0425 EA 2,000 SF Coverage, Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper DT-200)	208.23	21.74
26 09 23 00-0426 Occupancy Sensor Power Packs <small>(26 09 23 00-0363)</small>		
26 09 23 00-0427 Single Voltage, Occupancy Sensor Power Packs <small>(26 09 23 00-0426)</small>		
26 09 23 00-0428 EA 220 - 240 Volt AC, 20 Amp, Occupancy Sensor Power Pack (Watt Stopper B230E-P).....	74.74	19.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.60	
26 09 23 00-0429 EA 347 Volt AC, 15 Amp, Occupancy Sensor Power Pack (Watt Stopper B347D-P).....	68.18	19.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.60	
26 09 23 00-0430 Auxiliary, Occupancy Sensor Power Packs <small>(26 09 23 00-0426)</small>		
26 09 23 00-0431 EA 120, 277 Or 347 Volt AC, 20 Amp, Auxiliary Occupancy Sensor Power Pack (Watt Stopper S120/277/347E-P)	62.78	19.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.60	
26 09 23 00-0432 Universal Voltage, Power Packs For Occupancy Sensors <small>(26 09 23 00-0426)</small>		
26 09 23 00-0433 EA 120/277 Volt AC, 20 Amp, Dual Voltage, Occupancy Sensor Power Pack (Watt Stopper BZ-100).....	82.54	19.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.60	
26 09 23 00-0434 Form C, Occupancy Sensor Power Packs <small>(26 09 23 00-0426)</small>		
26 09 23 00-0435 EA 120 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A120C-P).....	75.04	19.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.60	
26 09 23 00-0436 EA 277 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A277C-P).....	75.09	19.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.60	
26 09 23 00-0437 Two Relay, Occupancy Sensor Power Packs <small>(26 09 23 00-0426)</small>		
26 09 23 00-0438 EA 120 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C120E-P).....	94.03	19.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.60	
26 09 23 00-0439 EA 277 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C277E-P).....	95.33	19.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.60	
26 09 23 00-0440 Occupancy Sensor Power Supplies <small>(26 09 23 00-0426)</small>		
26 09 23 00-0441 EA 120 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-120).....	199.40	19.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.60	
26 09 23 00-0442 EA 277 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-277).....	190.06	19.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.60	
26 09 23 00-0443 Intelligent, Occupancy Sensor Power Packs <small>(26 09 23 00-0426)</small>		
26 09 23 00-0444 EA 120/277 Volt AC, Two Relays, Two Dimming Channels, Intelligent Occupancy Sensor Power Pack (Watt Stopper LC-100).....	250.97	19.32
26 09 23 00-0445 DIN Rail Mounted, Occupancy Sensor Power Packs <small>(26 09 23 00-0426)</small>		
26 09 23 00-0446 EA 120/230/277 Volt AC, DIN Rail Mounted, Occupancy Sensor Power Pack (Watt Stopper BD-100).....	81.80	19.32
26 09 23 00-0447 Occupancy Sensor Accessories <small>(26 09 23 00-0363)</small>		
26 09 23 00-0448 Protective Cages For Occupancy Sensors <small>(26 09 23 00-0447)</small>		
26 09 23 00-0449 EA Protective Cage For Occupancy Sensors (Watt Stopper WC).....	46.68	7.24
26 09 23 00-0450 Mounting Brackets For Occupancy Sensors <small>(26 09 23 00-0447)</small>		
26 09 23 00-0451 EA Mounting Bracket For Occupancy Sensor (Watt Stopper MB).....	37.01	12.08
Note: Includes J-plate for mounting to HID fixtures or L-plate for mounting to fluorescent fixtures, walls, shelves and girders.		
26 09 23 00-0452 Occupancy/Lighting Logger <small>(26 09 23 00-0447)</small>		
Note: Logs when a space is occupied/vacant and when lighting is on/off.		
26 09 23 00-0453 EA Occupancy/Lighting Logger With Connector Cable (Watt Stopper IT-200).....	345.47	41.07
26 09 23 00-0454 Remove And Reinstall Occupancy Sensors <small>(26 09 23 00-0447)</small>		
26 09 23 00-0455 EA Removal And Reinstallation Of Surface Mounted Occupancy Sensor.....	65.23	
Note: Includes storing and cleaning.		
26 09 23 00-0456 EA Removal And Reinstallation Of Wall Switch Mounted Occupancy Sensor.....	28.99	
Note: Includes storing and cleaning.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0457			Digital Time Light Switches <small>(26 09 23 00-0363)</small>		
26 09 23 00-0458	EA		Preset Time, Wall Switch Mounted, Digital Time Light Switch (Watt Stopper TS-400).....	74.67	9.66
26 09 23 00-0459			Occupancy Sensors (Sensor Switch) <small>(26 09 23)</small>		
			Note: Includes testing of new devices and certification.		
26 09 23 00-0460			Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0459)</small>		
			Note: Exclude boxes		
26 09 23 00-0461			Wall Switch Mount Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0460)</small>		
26 09 23 00-0462			Passive Infrared, Wall Switch Mount Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0461)</small>		
26 09 23 00-0463	EA		Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD LV).....	126.01	9.66
26 09 23 00-0464	EA		Nightlight, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD NL).....	90.45	9.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.80	
26 09 23 00-0465	EA		Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD).....	86.53	9.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.80	
26 09 23 00-0466	EA		Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD SA).....	86.53	9.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.80	
26 09 23 00-0467	EA		2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD 2P).....	108.23	9.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.80	
26 09 23 00-0468	EA		Single Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS).....	108.23	9.66
26 09 23 00-0469	EA		2-Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS 2P).....	130.46	9.66
26 09 23 00-0470	EA		Single Pole, Passive Infrared, Internally Powered, Wall Switch Mount Occupancy Sensor (Sensor Switch IPD).....	108.23	9.66
26 09 23 00-0471			Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0461)</small>		
			Note: Includes passive infrared and microphonics detection		
26 09 23 00-0472	EA		Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT LV).....	161.57	9.66
26 09 23 00-0473	EA		Nightlight, Line Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT NL).....	126.01	9.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.80	
26 09 23 00-0474	EA		Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT).....	123.35	9.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.80	
26 09 23 00-0475	EA		Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT SA).....	123.35	9.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.80	
26 09 23 00-0476	EA		2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT 2P).....	143.79	9.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.80	
26 09 23 00-0477	EA		Single Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT).....	143.79	9.66
26 09 23 00-0478	EA		2-Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT 2P).....	154.46	9.66
26 09 23 00-0479			Wall Switch Mount Occupancy Sensor Accessories (Sensor Switch) <small>(26 09 23 00-0461)</small>		
26 09 23 00-0480	EA		One Blank, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX).....	11.95	2.42
26 09 23 00-0481	EA		One Switch, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX).....	11.95	2.42
26 09 23 00-0482	EA		Two Blanks, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX 3).....	22.62	2.42
26 09 23 00-0483	EA		Two Switches, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX 3).....	22.62	2.42
26 09 23 00-0484			360 Degree View Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0460)</small>		
26 09 23 00-0485			Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0484)</small>		
			Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0486	EA		Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 9).....	150.18	21.74
26 09 23 00-0487	EA		Low Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 9).....	150.18	21.74
26 09 23 00-0488	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 9).....	150.18	21.74
26 09 23 00-0489	EA		Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9).....	159.07	21.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0490	EA		Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9).....	159.07	21.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0491	EA		Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9).....	130.62	21.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0492	EA		2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9 2P).....	194.63	21.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0493	EA		2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9 2P).....	194.63	21.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0494	EA		2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9 2P).....	166.18	21.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0495	EA		Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 10).....	150.18	21.74
26 09 23 00-0496	EA		Low Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 10).....	150.18	21.74
26 09 23 00-0497	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 10).....	150.18	21.74
26 09 23 00-0498	EA		Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10).....	159.07	21.74
26 09 23 00-0499	EA		Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10).....	159.07	21.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0500	EA		Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10).....	130.62	21.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0501	EA		2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10 2P).....	194.63	21.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0502	EA		2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10 2P).....	194.63	21.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0503	EA		2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10 2P).....	166.18	21.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0504			Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch)^(26 09 23 00-0484)		
			Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0505	EA		Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 9).....	185.74	21.74
26 09 23 00-0506	EA		Low Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 9).....	185.74	21.74
26 09 23 00-0507	EA		Low Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 9).....	185.74	21.74
26 09 23 00-0508	EA		Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9).....	176.85	21.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0509	EA		Single Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9).....	176.85	21.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0510	EA		Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9).....	148.40	21.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0511	EA		2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9 2P).....	212.41	21.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0512	EA		2-Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9 2P).....	212.41	21.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0513	EA		2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9 2P).....	183.96	21.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0514	EA		Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 10).....	185.74	21.74
26 09 23 00-0515	EA		Low Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 10).....	185.74	21.74
26 09 23 00-0516	EA		Low Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 10).....	185.74	21.74
26 09 23 00-0517	EA		Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10).....	176.85	21.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0518	EA		Single Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10).....	176.85	21.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0519	EA		Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10).....	148.40	21.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0520	EA		2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10 2P).....	212.41	21.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0521	EA		2-Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10 2P).....	212.41	21.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0522	EA		2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10 2P).....	183.96	21.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0523			Wide View And Hallway Occupancy Sensors (Sensor Switch)^(26 09 23 00-0460)		
26 09 23 00-0524			Passive Infrared, Wide View And Hallway Occupancy Sensors (Sensor Switch)^(26 09 23 00-0523)		
26 09 23 00-0525	EA		Low Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV 16).....	150.18	21.74
26 09 23 00-0526	EA		Low Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HW 13).....	167.96	21.74



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0527 EA Line Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HWR 13).....	203.52	21.74
26 09 23 00-0528 EA Single Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16).....	194.63	21.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0529 EA 2-Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16 2P).....	230.20	21.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0530 Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0523)</small>		
Note: Includes passive infrared and microphonics detection		
26 09 23 00-0531 EA Low Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV PDT 16).....	185.74	21.74
26 09 23 00-0532 EA Single Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16).....	212.41	21.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0533 EA 2-Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16 2P).....	247.98	21.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0534 High Bay Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0460)</small>		
26 09 23 00-0535 Passive Infrared, High Bay Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0534)</small>		
26 09 23 00-0536 EA Low Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CM 6).....	150.18	21.74
26 09 23 00-0537 EA Low Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RM 6).....	150.18	21.74
26 09 23 00-0538 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMB 6).....	150.18	21.74
26 09 23 00-0539 EA Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6).....	130.62	21.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0540 EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6).....	130.62	21.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0541 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6).....	130.62	21.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0542 EA 2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 2P).....	166.18	21.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0543 EA 2-Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 2P).....	166.18	21.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0544 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 2P).....	166.18	21.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0545 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 208).....	143.07	21.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0546 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 208).....	143.07	21.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0547 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 208).....	143.07	21.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0548 EA 480 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 480).....	143.07	21.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0549 EA 480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 480).....	143.07	21.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0550 EA 480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 480).....	143.07	21.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0551 EA Low Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 50).....	167.96	21.74
26 09 23 00-0552 EA Low Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RM 50).....	167.96	21.74
26 09 23 00-0553 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMB 50).....	167.96	21.74
26 09 23 00-0554 EA Single Pole, Line Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 50).....	201.75	21.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0555 EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50).....	201.75	21.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0556 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50).....	201.75	21.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0557 EA 2-Pole, Line Voltage, Recessed Mount, Passive Infrared, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 2P).....	178.63	21.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0558 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 2P).....	178.63	21.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0559 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 208).....	151.96	21.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0560 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 208).....	151.96	21.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0561 EA 480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 480).....	151.96	21.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0562 EA 480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 480).....	151.96	21.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0563 EA Low Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 10).....	167.96	21.74
26 09 23 00-0564 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMB 10).....	167.96	21.74
26 09 23 00-0565 EA Single Pole, Line Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 10).....	201.75	21.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0566 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10).....	201.75	21.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0567 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 2P).....	194.63	21.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0568 EA 480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 480).....	176.85	21.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0569 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 208).....	176.85	21.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0570 Occupancy Sensor Power Packs (Sensor Switch) <small>(26 09 23 00-0459)</small>		
26 09 23 00-0571 EA Single Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20).....	88.45	19.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.60	
26 09 23 00-0572 EA 2-Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20 2P).....	124.01	19.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.60	
26 09 23 00-0573 EA Single Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Power Pack Without Relay Circuit Protection (Sensor Switch MP20).....	70.67	19.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.60	
26 09 23 00-0574 EA 2-Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Slave Pack Without Relay Circuit Protection (Sensor Switch MSP20).....	65.33	19.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.60	
26 09 23 00-0575 EA 20 Amp, 120/277 Volt AC, Occupancy Sensor Slave Pack (Sensor Switch SP20).....	83.11	19.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.60	
26 09 23 00-0576 EA 120/277 Volt AC, High Intensity Discharge (HID) Power Pack With 20 Minute Start To High Override (Sensor Switch PP20 SH).....	127.57	19.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.60	
26 09 23 00-0577 EA 120/277 Volt AC, 2-Pole, Power Pack With Alternating Relays (Sensor Switch PP 2PAR).....	127.57	19.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.60	
26 09 23 00-0578 EA 120/277 Volt AC, Power Pack With Momentary Contacts For Latching Contactors Or Relays (Sensor Switch PP 2PM).....	127.57	19.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.60	
26 09 23 00-0579 Occupancy Sensor Accessories (Sensor Switch) <small>(26 09 23 00-0459)</small>		
26 09 23 00-0580 Remove And Reinstall Occupancy Sensors <small>(26 09 23 00-0579)</small>		
26 09 23 00-0581 EA Removal And Reinstallation Of Wall Switch Mounted Occupancy Sensor.....	28.99	
Note: Includes storing and cleaning.		
26 09 23 00-0582 EA Removal And Reinstallation Of Surface Mounted Occupancy Sensor.....	65.23	
Note: Includes storing and cleaning.		
26 09 23 00-0583 Daylighting Control (Sensor Switch) <small>(26 09 23 00-0459)</small>		
26 09 23 00-0584 EA Low Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CM PC).....	132.40	21.74
26 09 23 00-0585 EA Low Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RM PC).....	132.40	21.74
26 09 23 00-0586 EA Low Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMB PC).....	132.40	21.74
26 09 23 00-0587 EA Line Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CMR PC).....	132.40	21.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0588 EA Line Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RMR PC).....	132.40	21.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0589 EA Line Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMRB PC).....	132.40	21.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.05	
26 09 23 00-0590 EA Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CM ADC).....	132.40	21.74
26 09 23 00-0591 EA Low Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RM ADC).....	132.40	21.74
26 09 23 00-0592 EA Low Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMB ADC).....	132.40	21.74



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0593 EA Line Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CMR ADC).....	132.40	21.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.05	
26 09 23 00-0594 EA Line Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RMR ADC).....	132.40	21.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.05	
26 09 23 00-0595 EA Line Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMRB ADC).....	132.40	21.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.05	
26 09 23 00-0596 EA Low Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CM PC ADC).....	185.74	21.74
26 09 23 00-0597 EA Low Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RM PC ADC).....	185.74	21.74
26 09 23 00-0598 EA Low Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMB PC ADC).....	185.74	21.74
26 09 23 00-0599 EA Line Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMR PC ADC).....	185.74	21.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.05	
26 09 23 00-0600 EA Line Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RMR PC ADC).....	185.74	21.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.05	
26 09 23 00-0601 EA Line Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMRB PC ADC).....	185.74	21.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.05	
26 09 23 00-0602 Occupancy Sensors (Sensor Switch nLight®) (26 09 23)		
Note: Includes testing of new devices and certification.		
26 09 23 00-0603 Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0602)		
Note: Excludes boxes.		
26 09 23 00-0604 Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0603)		
26 09 23 00-0605 Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0604)		
Note: Includes passive infrared and microphonics detection		
26 09 23 00-0606 EA Low Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor With Raise/Lower Dim Control (Sensor Switch nLight® nWSX PDT LV DX).....	192.96	9.66
26 09 23 00-0607 360 Degree View Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0603)		
26 09 23 00-0608 Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0607)		
Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0609 EA Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 9).....	234.29	21.74
26 09 23 00-0610 EA Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 10).....	234.29	21.74
26 09 23 00-0611 EA Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor With Auto Dimming Control Photocell (Sensor Switch nLight® nCM 10 ADC).....	234.29	21.74
26 09 23 00-0612 Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0607)		
Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0613 EA Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 9).....	272.46	21.74
26 09 23 00-0614 EA Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10).....	272.46	21.74
26 09 23 00-0615 EA 2-Channel, Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10 2P).....	281.98	21.74
26 09 23 00-0616 Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0603)		
26 09 23 00-0617 Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0616)		
Note: Includes passive infrared and microphonics detection		
26 09 23 00-0618 EA Low Voltage, Dual Technology, Corner/Ceiling Mount, Wide View Occupancy Sensor (Sensor Switch nLight® nWV PDT 16).....	272.46	21.74
26 09 23 00-0619 High Bay Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0603)		
26 09 23 00-0620 Passive Infrared, High Bay Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0619)		
26 09 23 00-0621 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch nLight® nCMB 6).....	234.29	21.74
26 09 23 00-0622 Occupancy Sensor Power Packs (Sensor Switch nLight®) (26 09 23 00-0602)		
26 09 23 00-0623 EA 150mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-150).....	86.36	19.32
26 09 23 00-0624 EA 250mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-250).....	105.46	19.32
26 09 23 00-0625 EA 30mA/Port At 15 Volt DC Output, 120-277 Volt AC Input, Dimming Power Pack (Sensor Switch nLight® nEPP5 D KO).....	137.88	19.32
26 09 23 00-0626 EA System Power Pack and Relay, Switching Module (Sensor Switch nLight® nPP 16).....	137.88	19.32

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0627 Occupancy Sensor Accessories (Sensor Switch nLight®) <small>(26 09 23 00-0602)</small>		
26 09 23 00-0628 EA RS232 AV Integrator (Sensor Switch nLight® nIO X).....	281.98	21.74
26 09 23 00-0629 EA 8 Port, Aggregation Bridge With Power Supply (Sensor Switch nLight® nBRG 8 KIT).....	377.41	21.74
26 09 23 00-0630 Daylighting Controls (Sensor Switch nLight®) <small>(26 09 23 00-0602)</small>		
26 09 23 00-0631 EA Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch nLight® nCM ADC)	196.13	21.74
26 09 23 00-0632 Controls (Sensor Switch nLight®) <small>(26 09 23 00-0602)</small>		
26 09 23 00-0633 EA On/Off And Raise/Lower Control, Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM DX).....	133.17	21.74
26 09 23 00-0634 EA 1 Scene Controller (2 Buttons), Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM 1SB)	186.61	21.74
26 09 23 00-0635 EA On/Off Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM)	415.56	21.74
26 09 23 00-0636 EA 3-1/2" Screen, High Resolution Touch Screen Controller, WallPod® Station (Sensor Switch nLight® nPOD GFX)	415.56	21.74
26 09 23 00-0637 EA 3-1/2" Screen, Touch Screen Clock And Network Interface Controller, Gateway (Sensor Switch nLight® nGWY2).....	1,522.23	21.74
26 09 23 00-0638 Occupancy Sensors (Lutron) <small>(26 09 23)</small>		
Note: Includes testing of new devices and certification.		
26 09 23 00-0639 Wireless Occupancy Sensors <small>(26 09 23 00-0638)</small>		
26 09 23 00-0640 EA Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Occupancy/Vacancy Sensor (Lutron® LRF2-OCR2B-P-WH)	102.26	21.74
26 09 23 00-0641 EA Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Vacancy Sensor (Lutron® LRF2-VCR2B-P-WH)	106.19	21.74
26 09 23 00-0642 EA Wireless, Passive Infrared, Hallway Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OHLB-P-WH).....	103.20	21.74
26 09 23 00-0643 EA Wireless, Passive Infrared, Hallway Wall Mount, Vacancy Sensor (Lutron® LRF2-VHLB-P-WH).....	108.42	21.74
26 09 23 00-0644 EA Wireless, Passive Infrared, 90 Degree Corner Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OKLB-P-WH).....	104.37	21.74
26 09 23 00-0645 EA Wireless, Passive Infrared, 90 Degree Corner Mount, Vacancy Sensor (Lutron® LRF2-VKLB-P-WH).....	108.42	21.74
26 09 23 00-0646 EA Wireless, Passive Infrared, 180 Degree Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OWLB-P-WH).....	102.26	21.74
26 09 23 00-0647 EA Wireless, Passive Infrared, 180 Degree Wall Mount, Vacancy Sensor (Lutron® LRF2-VWLB-P-WH).....	104.37	21.74
26 09 23 00-0648 EA Wireless, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Lutron® FHB140NP24V).....	103.20	21.74
26 09 23 00-0649 EA Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-500-WH)	152.38	21.74
26 09 23 00-0650 EA Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-500R-WH).....	161.75	21.74
26 09 23 00-0651 EA Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-1000-WH)	182.82	21.74
26 09 23 00-0652 EA Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-1000R-WH).....	192.19	21.74
26 09 23 00-0653 EA Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CDT-2000-WH)	196.87	21.74
26 09 23 00-0654 EA Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-2000R-WH).....	206.24	21.74
26 09 23 00-0655 EA Wireless, Passive Infrared, Ceiling Mount, 450 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-450-WH).....	122.87	21.74
26 09 23 00-0656 EA Wireless, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-1500-WH).....	128.96	21.74
26 09 23 00-0657 EA Wireless, Ultrasonic, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-500-WH)	148.86	21.74
26 09 23 00-0658 EA Wireless, Ultrasonic, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-1000-WH).....	164.09	21.74
26 09 23 00-0659 EA Wireless, Ultrasonic, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CUS-2000-WH).....	175.80	21.74
26 09 23 00-0660 EA Wireless, Passive Infrared, 1,600 SF Coverage, 110 Degree Wall Mount, Occupancy Sensor (Lutron® LOS-WIR-WH)	153.55	21.74
26 09 23 00-0661 EA Wireless, Passive Infrared, RF Daylight Sensor (Lutron® LRF2-DCRB-WH).....	142.15	21.74
26 09 23 00-0662 EA Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-SIR-HD-WH).....	120.99	21.74
26 09 23 00-0663 EA Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor, Dual Circuit (Lutron® LOS-S2IR-HD-WH).....	145.94	21.74
26 09 23 00-0664 EA Wireless, Switch and Ceiling Retrofit Sensor (Lutron® MRF2-1S8A-10C)	174.49	21.74
26 09 23 00-0665 EA Wireless, Switch and Hallway Retrofit Sensor (Lutron® MRF2-1S8A-10H).....	184.41	21.74
26 09 23 00-0666 EA Wireless, Switch and Corner Retrofit Sensor (Lutron® MRF2-1S8A-10K)	184.41	21.74
26 09 23 00-0667 EA Wireless, Switch and Wall Retrofit Sensor (Lutron® MRF2-1S8A-10W)	184.41	21.74
26 09 23 00-0668 EA Wireless, Switch and Vacancy Retrofit Sensor (Lutron® MRF2-1S8A-10V).....	193.50	21.74
26 09 23 00-0669 EA Wireless, Two Switches and Wall Retrofit Sensor (Lutron® MRF2-2S8A-10W).....	311.60	31.40
26 09 23 00-0670 Nodes And Modules <small>(26 09 23 00-0638)</small>		
26 09 23 00-0671 EA 0 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-C).....	158.23	21.74
26 09 23 00-0672 EA 0 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-J)	158.23	21.74
26 09 23 00-0673 EA 4 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-C)	196.87	21.74
26 09 23 00-0674 EA 4 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-J)	196.87	21.74
26 09 23 00-0675 EA 120 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-120-WH).....	249.71	24.16
26 09 23 00-0676 EA 120 Volt, Gang Box Mount, Switching Power Module (Lutron® PHPM-SW-DV-WH)	249.71	24.16
26 09 23 00-0677 EA 120 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-120-WH)	300.06	24.16



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0678 EA 120 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-120-WH).....	307.09	24.16
26 09 23 00-0679 EA 120/277 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-DV-WH).....	376.18	24.16
26 09 23 00-0680 EA 120/277 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-DV-WH).....	398.43	24.16
26 09 23 00-0681 EA 120/277 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-DV-WH).....	420.67	24.16
26 09 23 00-0682 EA 1 Circuit, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-2).....	1,122.39	38.66
26 09 23 00-0683 EA 2 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-4).....	1,105.71	43.49
26 09 23 00-0684 EA 3 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-6).....	1,613.03	48.32
26 09 23 00-0685 Other Accessories <small>(26 09 23 00-0638)</small>		
26 09 23 00-0686 EA Pico® Wireless Control Wallplate Adapter (Lutron® PJ).....	30.11	
26 09 23 00-0687 EA Pico® Wireless Control (Lutron® PJ).....	31.06	
26 09 23 00-0688 EA 4-Scene Wireless Remote Control (Lutron® GRX-IT-WH).....	91.62	
26 09 23 00-0689 EA 8-Scene Wireless Remote Control (Lutron® GRX-8IT-WH).....	172.41	
26 09 23 00-0690 EA 4 Button, EcoSystem® Wall Control With Raise/Lower (Lutron® CC-4BRL).....	190.12	21.74
26 09 23 00-0691 EA seeTouch® QS Wallstation (Lutron® QSWS2).....	237.58	21.74
26 09 23 00-0692 EA seeTouch® QS Wallstation With Infrared Receiver (Lutron® QSWS2).....	237.58	21.74
26 09 23 00-0693 EA 120/277 Volt, Energi Savr Node™ With Softswitch®, Fixture Controller (Lutron® QSN-4S16-S).....	383.20	24.16
26 09 23 00-0694 EA 120/277 Volt, Energi Savr Node™ For 0-10 V Models, Fixture Controller (Lutron® QSN-4T16-S).....	520.21	24.16
26 09 23 00-0695 EA Control Interface (Lutron® QSE-CI-NWK-E).....	621.93	21.74
26 09 23 00-0696 EA 1 EcoSystem® Digital Link, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-1ECO-S).....	617.26	21.74
26 09 23 00-0697 EA 2 EcoSystem® Digital Links, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-2ECO-S).....	822.18	21.74
26 09 23 00-0698 MLF 5 Conductor, Non-Plenum, Low Voltage Grafik Eye Cable (Lutron® GRX-CBL-346S).....	1,702.31	675.51
26 09 23 00-0699 MLF 5 Conductor, Plenum Rated, Low Voltage Grafik Eye Cable (Lutron® GRX-PCBL-346S).....	2,170.69	675.51
26 09 23 00-0700 Fixture Mounted Occupancy Sensors (Leviton) <small>(26 09 23)</small>		
Note: Includes testing of new devices and certification.		
26 09 23 00-0701 EA 120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-ITW).....	98.51	21.74
26 09 23 00-0702 EA 480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-14W).....	87.74	21.74
26 09 23 00-0703 EA 120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-CTW).....	107.41	21.74
26 09 23 00-0704 EA 480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-C4W).....	87.74	21.74
26 09 23 00-0705 EA 120-347 Volt, Dual Detection Occupancy Wall Sensor Switch (Lithonia WSX-PDT).....	131.05	9.65
26 09 23 00-0706 Wireless Enabled Communication Devices For Streetlights <small>(26 09 23)</small>		
Note: Includes testing of new devices and certification.		
26 09 23 00-0707 Wireless Enabled Communication Devices For Streetlights (Roam®) <small>(26 09 23 00-0706)</small>		
26 09 23 00-0708 Wireless Enabled Communication Nodes For Streetlights (Roam®) <small>(26 09 23 00-0707)</small>		
Note: 2.4GHz wireless enabled communication node for wireless remote on/off, group scheduling, photocontrol and diagnostics.		
26 09 23 00-0709 EA 120/244/277 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN127 NM1).....	198.45	
26 09 23 00-0710 EA 480 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN480 NM1).....	274.77	
26 09 23 00-0711 Wireless Enabled Communication Devices For Streetlights (Roam®) <small>(26 09 23 00-0707)</small>		
26 09 23 00-0712 EA Retrofit Receptacle Kit (Roam® DUR103).....	40.09	
Note: For adapting light fixtures for use with a NEMA locking type photocontrol.		
26 09 23 00-0713 EA Wireless Enabled Backbone And Data Backhaul Device, Gateway (Roam® REG127).....	7,739.09	53.44
26 09 23 00-0714 Counter Mounted Consolets <small>(26 09 23)</small>		
26 09 23 00-0715 EA 20" x 24" Type 12, Oil Tight Consolets, Counter Mounted (Schaefer's SPCL-20C24).....	445.18	120.63
26 09 23 00-0716 Lighting Console And Stations <small>(26 09 23)</small>		
26 09 23 00-0717 EA 80 Channel, 40 Faders, Lighting Console (ETC ColorSource CS 40).....	2,792.75	120.63
For Lighting Console Dust Cover (ETC ColorSource CS40DC), Add		59.00
For Lighting Console Case (ETC ColorSourcePart 11866), Add		629.10
26 09 23 00-0718 EA 10 Preset, Lighting Control Station (Doug Fleenor PRE10-A2).....	1,922.75	72.38
26 09 23 00-0719 Theatre Lighting Console <small>(26 09 23)</small>		
26 09 23 00-0720 EA Theatre Lighting Console (ETC Colorsourc 20).....	2,038.51	144.75
26 09 23 00-0721 Emergency Lighting Controls <small>(26 09 23)</small>		
26 09 23 00-0722 Emergency Lighting Control Units (Watt Stopper ELCU) <small>(26 09 23 00-0721)</small>		
Note: The ELCU monitors a single circuit and can be wired either as a control device, so that emergency lighting follows the control of normal lighting, or as a bypass device to shunt emergency power around a control device when normal power fails. Includes integral push-to-test button and LED indicator for emergency and normal power.		

26 Electrical

26 09 Instrumentation and Control for Electrical Systems

26 09 23 Lighting Control Devices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0723 EA DIN Rail Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-100)	172.63	24.16
26 09 23 00-0724 EA 1/2" Knockout Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-200)	172.63	24.16
26 09 23 00-0725 Emergency Shunt Relays (Lighting Control & Design GR 2001™) (26 09 23 00-0721) Note: Normally-closed, electrically-held relay to be wired in parallel with a wall switch. Manually controlled emergency lighting will be automatically shunted on during a power outage. Includes two-gang NEMA 1 junction box, voltage-separating barrier and plaster ring separating normal and emergency power. Excludes wall plate and switch.		
26 09 23 00-0726 EA 1 Emergency Shunt Relay And NEMA 1 Enclosure (Lighting Control & Design GR 2001™)	240.03	33.82
26 09 23 00-0727 EA 2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™)	323.48	38.66
26 09 23 00-0728 EA 2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™ Dual)	431.72	43.49
Note: Controls normal and emergency lighting from single-pole wall switch.		
26 09 23 00-0729 Photocells (26 09 23)		
26 09 23 00-0730 EA Plug-In Photocell For Lighting Fixtures	67.59	
26 09 23 00-0731 EA Wired Photocell For Lighting Fixtures	166.65	

26 10 Medium-Voltage Electrical Distribution (26)

26 11 Substations (26 10)

26 11 13 Primary Unit Substations (26 11)

26 11 13 00-0001 "Switchyard" Substation Primary Incoming Section (26 11 13)

26 11 13 00-0002 Outdoor Oil Circuit Breakers "Switchyard" (26 11 13 00-0001)

Note: Type SP 14.4 thru 69 KV 1200 amp. Frame mounted. Standard equipment

26 11 13 00-0003 EA 14.4 KV, 500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation	45,625.35	1,670.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,019.52	
26 11 13 00-0004 EA 23.0 KV, 750 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation	55,976.02	2,112.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,274.40	
26 11 13 00-0005 EA 34.5 KV, 1,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation	63,365.73	2,112.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,274.40	
26 11 13 00-0006 EA 46 KV, 2,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation	72,833.77	2,112.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,359.35	
26 11 13 00-0007 EA 69 KV, 3,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation	82,637.89	2,604.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,568.49	

26 11 13 00-0008 Accessories For Outdoor Oil Circuit Breakers (26 11 13 00-0001)

26 11 13 00-0009 EA Reclosure Relay, Adjustable, 3 Shot, #179	1,272.79	176.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	104.48	
26 11 13 00-0010 EA Overcurrent Relay, 1 Phase, #51/51N	413.62	127.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	69.68	
26 11 13 00-0011 EA Directional Overcurrent Relay, Three-Phase, Device No. 67	614.79	127.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	86.83	
26 11 13 00-0012 EA Voltage Relay, Under Or Over- Voltage, Device No. 27 Or 59, Three-Phase	486.52	127.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	69.68	
26 11 13 00-0013 EA Differential Relay Package, Complete, Device No. 87	1,820.11	432.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	261.03	

26 11 13 00-0014 "Switchyard", Substation Transformer Section (26 11 13)

Note: Standard NEMA design two winding three phase, 60 Hz. oil filled load tap changer 10% Range

26 11 13 00-0015 14.4 KV Nominal Primary (26 11 13 00-0014)

26 11 13 00-0016 EA 1,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	26,399.81	1,670.53
For 50 Hz Operation, Add	2,760.17	
For Forced Air Cooling, Add	2,760.17	
For External Control Panel, Add	690.04	
For Internally Mounted Current Transformers And Linear Couplers, Add	230.01	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,150.07	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	2,875.18	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	3,450.21	
26 11 13 00-0017 EA 2,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	30,215.63	2,093.08
For 50 Hz Operation, Add	3,116.12	
For Forced Air Cooling, Add	3,116.12	
For External Control Panel, Add	779.03	
For Internally Mounted Current Transformers And Linear Couplers, Add	259.68	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,298.38	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	3,245.96	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	3,895.15	
26 11 13 00-0018 EA 5,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	46,448.49	2,948.00
For 50 Hz Operation, Add	4,848.83	
For Forced Air Cooling, Add	4,848.83	
For External Control Panel, Add	1,212.21	
For Internally Mounted Current Transformers And Linear Couplers, Add	404.07	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,020.35	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	5,050.86	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	6,061.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0019 EA 7,500 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For Forced Air Cooling, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	67,174.08 7,149.99 7,149.99 1,787.50 595.83 2,979.16 7,447.91 8,937.49	3,519.37
26 11 13 00-0020 EA 10,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For Forced Air Cooling, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	82,769.13 8,793.68 8,793.68 2,198.42 732.81 3,664.03 9,160.08 10,992.09	4,554.49
26 11 13 00-0021 23 KV Nominal Primary <small>(26 11 13 00-0014)</small>		
26 11 13 00-0022 EA 1,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	29,550.13 3,036.26 759.06 253.02 1,265.11 3,162.77 3,795.32 2,024.17	2,260.14
26 11 13 00-0023 EA 2,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	33,761.01 3,435.76 858.94 286.31 1,431.57 3,578.92 4,294.70 2,290.51	2,260.14
26 11 13 00-0024 EA 5,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	54,052.36 5,670.67 1,417.67 472.56 2,362.78 5,906.95 7,088.34 3,780.45	3,341.06
26 11 13 00-0025 EA 7,500 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	72,496.14 7,560.92 1,890.23 630.08 3,150.38 7,875.96 9,451.15 5,040.61	4,554.49
26 11 13 00-0026 EA 10,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	89,617.81 9,615.52 2,403.88 801.29 4,006.47 10,016.16 12,019.40 6,410.34	4,554.49
26 11 13 00-0027 34.5 KV Nominal Primary <small>(26 11 13 00-0014)</small>		
26 11 13 00-0028 EA 1,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	37,090.22 3,835.27 958.82 319.61 1,598.03 3,995.07 4,794.09 2,556.85	2,702.33
26 11 13 00-0029 EA 2,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	44,797.89 4,634.28 1,158.57 386.19 1,930.95 4,827.38 5,792.85 3,089.52	4,225.47
26 11 13 00-0030 EA 5,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	61,915.71 6,410.37 1,602.59 534.20 2,670.99 6,677.47 8,012.96 4,273.58	4,225.47

26	Electrical
26 10	Medium-Voltage Electrical Distribution
26 11	Substations



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0031 EA 7,500 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	79,344.76	4,450.97
For 50 Hz Operation, Add	8,382.75	
For External Control Panel, Add	2,095.69	
For Internally Mounted Current Transformers And Linear Couplers, Add	698.56	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,492.81	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	8,732.03	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	10,478.44	
For Forced Air Cooling, Add	5,588.50	
26 11 13 00-0032 EA 10,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	136,790.93	5,693.10
For 50 Hz Operation, Add	14,957.48	
For External Control Panel, Add	3,739.37	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,246.46	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	6,232.28	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	15,580.71	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	18,696.85	
For Forced Air Cooling, Add	9,971.65	
26 11 13 00-0033 46 KV Nominal Primary (26 11 13 00-0014)		
26 11 13 00-0034 EA 1,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	56,738.56	3,144.53
For 50 Hz Operation, Add	6,067.16	
For External Control Panel, Add	1,516.79	
For Internally Mounted Current Transformers And Linear Couplers, Add	505.60	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,527.98	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	6,319.96	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	7,583.95	
For Forced Air Cooling, Add	4,044.77	
26 11 13 00-0035 EA 2,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	64,117.06	3,144.53
For 50 Hz Operation, Add	6,878.43	
For External Control Panel, Add	1,719.61	
For Internally Mounted Current Transformers And Linear Couplers, Add	573.20	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,866.01	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	7,165.04	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	8,598.04	
For Forced Air Cooling, Add	4,585.62	
26 11 13 00-0036 EA 5,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	88,741.94	4,225.47
For 50 Hz Operation, Add	9,629.52	
For External Control Panel, Add	2,407.38	
For Internally Mounted Current Transformers And Linear Couplers, Add	802.46	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,012.30	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	10,030.75	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	12,036.90	
For Forced Air Cooling, Add	6,419.68	
26 11 13 00-0037 EA 7,500 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	108,570.23	5,693.10
For 50 Hz Operation, Add	11,570.99	
For External Control Panel, Add	2,892.75	
For Internally Mounted Current Transformers And Linear Couplers, Add	964.25	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,821.25	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	12,053.12	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	14,463.74	
For Forced Air Cooling, Add	7,714.00	
26 11 13 00-0038 EA 10,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	153,955.02	5,693.10
For 50 Hz Operation, Add	17,017.17	
For External Control Panel, Add	4,254.29	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,418.10	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	7,090.49	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	17,726.22	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	21,271.46	
For Forced Air Cooling, Add	11,344.78	
26 11 13 00-0039 69 KV Nominal Primary (26 11 13 00-0014)		
26 11 13 00-0040 EA 1,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	81,501.47	3,341.06
For 50 Hz Operation, Add	8,964.56	
For External Control Panel, Add	2,241.14	
For Internally Mounted Current Transformers And Linear Couplers, Add	747.05	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,735.23	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	9,338.09	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	11,205.70	
For Forced Air Cooling, Add	5,976.38	
26 11 13 00-0041 EA 2,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	93,664.23	4,225.47
For 50 Hz Operation, Add	10,220.19	
For External Control Panel, Add	2,555.05	
For Internally Mounted Current Transformers And Linear Couplers, Add	851.68	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,258.41	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	10,646.03	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	12,775.24	
For Forced Air Cooling, Add	6,813.46	
26 11 13 00-0042 EA 5,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	128,459.84	4,225.47
For 50 Hz Operation, Add	14,395.66	
For External Control Panel, Add	3,598.92	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,199.64	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	5,998.19	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	14,995.48	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	17,994.58	
For Forced Air Cooling, Add	9,597.11	



Electrical	26
Medium-Voltage Electrical Distribution	26 10
Substations	26 11

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0043 EA 7,500 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	136,292.94 14,897.72 3,724.43 1,241.48 6,207.38 15,518.46 18,622.15 9,931.81	5,693.10
26 11 13 00-0044 EA 10,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	178,202.65 19,926.88 4,981.72 1,660.57 8,302.87 20,757.17 24,908.61 13,284.59	5,693.10
26 11 13 00-0045 Circuit Breakers Fluarc SF6 13.8 KV (26 11 13)		
26 11 13 00-0046 EA 1,200 Amp, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	48,648.07	813.13
26 11 13 00-0047 EA 1,200 Amp, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	53,399.95	813.13
26 11 13 00-0048 EA 1,200 Amp, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	60,810.84	1,010.04
26 11 13 00-0049 EA 2,000 Amp, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	56,907.43	1,214.52
26 11 13 00-0050 EA 2,000 Amp, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	64,086.16	1,214.52
26 11 13 00-0051 EA 2,000 Amp, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	73,116.86	1,411.00
26 11 13 00-0052 EA 3,000 Amp, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	75,401.26	1,612.07
26 11 13 00-0053 EA 3,000 Amp, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	84,339.18	1,612.07
26 11 13 00-0054 EA 3,000 Amp, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	88,418.48	1,810.37
26 11 16 Secondary Unit Substations (26 11)		
26 11 16 00-0001 Substation Primary Incoming Section (26 11 16)		
26 11 16 00-0002 Manual Transferring Fused Load Break Switches (26 11 16 00-0001) Note: 15 KV 600 Amp 3 pole 2 position floor mounted. Type, metal compartment includes weatherproofing, fuses, transformer throat, pothead terminations thru 500 MCM, with surge protection. Manual transferring of one line to an alternate incoming line.		
26 11 16 00-0003 EA 112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position.....	42,795.24	1,194.04
26 11 16 00-0004 EA 2,000 And 2,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position.....	49,553.68	1,194.04
26 11 16 00-0005 Automatic Transferring Fused Load Break Switches (26 11 16 00-0001) Note: Items are equipped with 3 pole - 2 position selector switch for automatic transferring one line to an alternate incoming line.		
26 11 16 00-0006 EA 112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position Selector Switch.....	60,708.67	1,194.04
26 11 16 00-0007 EA 2,000 And 2,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position Selector Switch.....	65,107.11	1,194.04
26 11 16 00-0008 Accessories For Substation Fused Load Break Switches (26 11 16 00-0001)		
26 11 16 00-0009 EA Primary Lightning Arrestors Accessories, Secondary Distribution Section.....	5,483.19	
26 11 16 00-0010 EA Key Interlock Accessories, Secondary Distribution Section.....	533.72	
26 11 16 00-0011 Oil Filled Substation Transformers (26 11 16) Note: 112-1/2 KVA thru 2500 KVA standard NEMA design 3 phase cover mounted manual tap changer, liquid level gauge with alarm contacts, thermometer with alarm contacts, pressure vacuum gauge, automatic control for auxiliary cooling equipment. Weatherproof.		
26 11 16 00-0012 Substation, Primary 13.8 KV Secondary 480Y/277 V Or 480 V 60 HZ (26 11 16 00-0011)		
26 11 16 00-0013 EA 75 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	10,539.50 634.59 271.97 90.66	737.00
26 11 16 00-0014 EA 112.5 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	15,309.33 947.84 406.22 135.41	884.40
26 11 16 00-0015 EA 150 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	17,311.93 1,074.26 460.40 153.47	982.66
26 11 16 00-0016 EA 225 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	20,540.92 1,265.90 542.53 180.84	1,228.33
26 11 16 00-0017 EA 300 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	23,032.26 1,399.02 599.58 199.86	1,523.14
26 11 16 00-0018 EA 500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	24,831.80 1,476.84 632.93 210.98	1,867.07

26 Electrical
26 10 Medium-Voltage Electrical Distribution
26 11 Substations



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0019	EA		750 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	29,127.20 1,722.49 738.21 246.07	2,260.14
26 11 16 00-0020	EA		1,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	31,076.24 1,831.40 784.89 261.63	2,456.67
26 11 16 00-0021	EA		1,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	34,689.60 2,049.95 878.55 292.85	2,702.33
26 11 16 00-0022	EA		2,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	40,010.92 2,381.17 1,020.50 340.17	2,997.13
26 11 16 00-0023	EA		2,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	43,915.11 2,616.63 1,121.41 373.80	3,267.37
26 11 16 00-0024			Substation, Primary 13.8 KV Secondary 208Y/120 V 60 HZ <small>(26 11 16 00-0011)</small>		
26 11 16 00-0025	EA		75 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	10,087.24 602.93 258.40 86.13	737.00
26 11 16 00-0026	EA		112.5 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	14,867.88 937.57 401.82 133.94	737.00
26 11 16 00-0027	EA		150 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	17,301.92 1,073.56 460.10 153.37	982.66
26 11 16 00-0028	EA		225 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	20,558.14 1,267.10 543.04 181.01	1,228.33
26 11 16 00-0029	EA		300 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	24,789.66 1,522.04 652.30 217.43	1,523.14
26 11 16 00-0030	EA		500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	27,020.08 1,630.02 698.58 232.86	1,867.07
26 11 16 00-0031	EA		750 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	30,137.67 1,793.22 768.52 256.17	2,260.14
26 11 16 00-0032	EA		1,000 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	32,816.86 1,953.25 837.11 279.04	2,456.67
26 11 16 00-0033	EA		1,500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	36,940.48 2,207.51 946.07 315.36	2,702.33
26 11 16 00-0034			Accessories For Oil Filled Substation Transformers <small>(26 11 16 00-0011)</small>		
26 11 16 00-0035	EA		Sudden Pressure Relay.....	2,747.72	
26 11 16 00-0036	EA		Throats Or Flanges (HV Or LV).....	5,455.15	
26 11 16 00-0037	EA		Lightning Arrestors (3 - 1 Pole).....	3,592.01	
26 11 16 00-0038	EA		Single Feeder Switch With Fuses 3 Pole, 2 Position, Open-Close Close) Fuse Type - CLE (80E To 125 X).....	19,933.84	
26 11 16 00-0039	EA		Oil Fuse Cutout, 15 KV, 200 Amp, Free Standing Air Filled Terminal Compartment, 15 KV - 200 Amp Cutout.....	18,650.09	
26 11 16 00-0040			Reinforced Concrete Curb With 6" Slab <small>(26 11 16 00-0011)</small> Note: For transformer liquid containment area.		
26 11 16 00-0041	EA		112.5 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	3,513.06	1,055.63
26 11 16 00-0042	EA		150 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	3,513.06	1,055.63
26 11 16 00-0043	EA		225 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	3,513.06	1,055.63
26 11 16 00-0044	EA		300 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	3,513.06	1,055.63
26 11 16 00-0045	EA		500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	3,513.06	1,055.63
26 11 16 00-0046	EA		750 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	3,513.06	1,055.63
26 11 16 00-0047	EA		1,000 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	3,513.06	1,055.63
26 11 16 00-0048	EA		1,500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	4,090.46	1,217.17
26 11 16 00-0049			Dry Type Substation Transformer <small>(26 11 16)</small> Note: Standard NEMA design 3 phase - 150 C rise - 60 Hz self-cooled, ventilated.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0050 Primary 4.16 Or 4.8 KV Secondary 208 Y/120 Or 240 V <small>(26 11 16 00-0049)</small> Note: Primary 4.160 or 4.8 KV (delta or wye).		
26 11 16 00-0051 EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	17,936.22	786.14
For Gas Filled Transformers, Add	9,818.38	
For Single Phase Transformers, Deduct	-409.10	
For Dry Type Unit, Add	3,757.30	
26 11 16 00-0052 EA 150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	18,034.49	835.27
For Gas Filled Transformers, Add	9,818.38	
For Single Phase Transformers, Deduct	-409.10	
For Dry Type Unit, Add	3,767.12	
26 11 16 00-0053 EA 225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	18,542.45	982.66
For Gas Filled Transformers, Add	9,946.27	
For Single Phase Transformers, Deduct	-414.43	
For Dry Type Unit, Add	3,843.50	
26 11 16 00-0054 EA 300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	20,462.66	1,080.93
For Gas Filled Transformers, Add	10,980.47	
For Single Phase Transformers, Deduct	-457.52	
For Dry Type Unit, Add	4,242.36	
26 11 16 00-0055 EA 500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	22,782.48	1,277.46
For Gas Filled Transformers, Add	12,136.52	
For Single Phase Transformers, Deduct	-505.69	
For Dry Type Unit, Add	4,705.55	
26 11 16 00-0056 EA 750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	26,389.59	1,474.00
For Gas Filled Transformers, Add	14,064.95	
For Single Phase Transformers, Deduct	-586.04	
For Dry Type Unit, Add	5,451.95	
26 11 16 00-0057 EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	30,691.71	1,768.80
For Gas Filled Transformers, Add	16,292.47	
For Single Phase Transformers, Deduct	-678.85	
For Dry Type Unit, Add	6,327.66	
26 11 16 00-0058 EA 1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	36,163.48	1,965.33
For Gas Filled Transformers, Add	19,339.69	
For Single Phase Transformers, Deduct	-805.82	
For Dry Type Unit, Add	7,484.29	
26 11 16 00-0059 EA 2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	46,421.75	2,063.60
For Gas Filled Transformers, Add	25,376.73	
For Single Phase Transformers, Deduct	-1,057.36	
For Dry Type Unit, Add	9,717.52	
26 11 16 00-0060 Primary 4.16 Or 4.8 KV Secondary 480 Y/277 Or 480 V <small>(26 11 16 00-0049)</small> Note: Primary 4.16 or 4.8 KV (delta or wye).		
26 11 16 00-0061 EA 112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	17,355.51	786.14
For Gas Filled Transformers, Add	9,469.95	
For Single Phase Transformers, Deduct	-394.58	
For Dry Type Unit, Add	3,629.54	
26 11 16 00-0062 EA 150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	18,034.49	835.27
For Gas Filled Transformers, Add	9,818.38	
For Single Phase Transformers, Deduct	-409.10	
For Dry Type Unit, Add	3,767.12	
26 11 16 00-0063 EA 225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	18,542.45	982.66
For Gas Filled Transformers, Add	9,946.27	
For Single Phase Transformers, Deduct	-414.43	
For Dry Type Unit, Add	3,843.50	
26 11 16 00-0064 EA 300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	20,462.66	1,080.93
For Gas Filled Transformers, Add	10,980.47	
For Single Phase Transformers, Deduct	-457.52	
For Dry Type Unit, Add	4,242.36	
26 11 16 00-0065 EA 500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	22,782.48	1,277.46
For Gas Filled Transformers, Add	12,136.52	
For Single Phase Transformers, Deduct	-505.69	
For Dry Type Unit, Add	4,705.55	
26 11 16 00-0066 EA 750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	26,389.59	1,474.00
For Gas Filled Transformers, Add	14,064.95	
For Single Phase Transformers, Deduct	-586.04	
For Dry Type Unit, Add	5,451.95	
26 11 16 00-0067 EA 1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	30,691.71	1,768.80
For Gas Filled Transformers, Add	16,292.47	
For Single Phase Transformers, Deduct	-678.85	
For Dry Type Unit, Add	6,327.66	
26 11 16 00-0068 EA 1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	36,163.48	1,965.33
For Gas Filled Transformers, Add	19,339.69	
For Single Phase Transformers, Deduct	-805.82	
For Dry Type Unit, Add	7,484.29	
26 11 16 00-0069 EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	46,421.75	2,063.60
For Gas Filled Transformers, Add	25,376.73	
For Single Phase Transformers, Deduct	-1,057.36	
For Dry Type Unit, Add	9,717.52	
26 11 16 00-0070 EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	50,857.82	2,161.87
For Gas Filled Transformers, Add	27,920.45	
For Single Phase Transformers, Deduct	-1,163.35	
For Dry Type Unit, Add	10,669.87	

26 Electrical**26 10 Medium-Voltage Electrical Distribution****26 11 Substations**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0071	EA		3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	56,621.45 31,260.71 -1,302.53 11,914.29	2,260.14
26 11 16 00-0072	EA		3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	65,035.21 36,191.05 -1,507.96 13,741.73	2,358.40
26 11 16 00-0073			Primary 13.8 KV (Delta Or Wye) Secondary 208 Y/120 V Or 240 V <small>(26 11 16 00-0049)</small>		
26 11 16 00-0074	EA		112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	19,334.47 10,539.40 -439.14 4,041.33	884.40
26 11 16 00-0075	EA		150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	20,010.09 10,885.81 -453.58 4,178.17	933.53
26 11 16 00-0076	EA		225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	21,488.13 11,595.76 -483.16 4,467.96	1,080.93
26 11 16 00-0077	EA		300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	22,725.24 12,220.10 -509.17 4,716.54	1,179.20
26 11 16 00-0078	EA		500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	25,944.66 13,915.91 -579.83 5,377.65	1,375.73
26 11 16 00-0079	EA		750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	28,799.87 15,393.20 -641.38 5,958.63	1,572.26
26 11 16 00-0080	EA		1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	33,660.88 17,956.05 -748.17 6,957.30	1,867.07
26 11 16 00-0081	EA		1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	40,591.15 21,878.37 -911.60 8,434.79	2,063.60
26 11 16 00-0082	EA		2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	48,729.66 26,643.55 -1,110.15 10,201.68	2,161.87
26 11 16 00-0083			Primary 13.8 KV (Delta Or Wye) Secondary 480 Y/277 V Or 480 V <small>(26 11 16 00-0049)</small>		
26 11 16 00-0084	EA		112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	19,334.47 10,539.40 -439.14 4,041.33	884.40
26 11 16 00-0085	EA		150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	20,010.09 10,885.81 -453.58 4,178.17	933.53
26 11 16 00-0086	EA		225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	21,488.13 11,595.76 -483.16 4,467.96	1,080.93
26 11 16 00-0087	EA		300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	22,725.24 12,220.10 -509.17 4,716.54	1,179.20
26 11 16 00-0088	EA		500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	25,944.66 13,915.91 -579.83 5,377.65	1,375.73
26 11 16 00-0089	EA		750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	25,443.16 13,379.18 -557.47 5,220.15	1,572.26
26 11 16 00-0090	EA		1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	26,764.89 13,818.46 -575.77 5,440.18	1,867.07
26 11 16 00-0091	EA		1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	32,690.32 17,137.87 -714.08 6,696.61	2,063.60



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0092 EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	38,489.15 20,499.25 -854.14 7,948.76	2,161.87
26 11 16 00-0093 EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	42,873.80 23,012.12 -958.84 8,889.80	2,260.14
26 11 16 00-0094 EA 3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	50,047.93 27,198.68 -1,133.28 10,444.53	2,358.40
26 11 16 00-0095 EA 3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	60,951.75 33,623.05 -1,400.96 12,819.79	2,456.67
26 11 16 00-0096 Substation Secondary Distribution Section <small>(26 11 16)</small> Note: Low voltage drawout switchgear 277/480 volt, 3 phase 4 wire.		
26 11 16 00-0097 Switchgear Compartment Complete With Air Circuit Breaker <small>(26 11 16 00-0096)</small> Note: With solid state long - time and instantaneous trips.		
26 11 16 00-0098 EA 800 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-206.....	12,192.22	848.33
26 11 16 00-0099 EA 1,600 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-416.....	19,316.50	1,282.60
26 11 16 00-0100 EA 2,000 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-420.....	26,158.22	1,575.48
26 11 16 00-0101 EA 3,200 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-632.....	43,317.26	1,827.96
26 11 16 00-0102 EA 4,000 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-840.....	55,638.68	2,080.44
26 11 16 00-0103 Switchgear Compartment Without Circuit Breaker <small>(26 11 16 00-0096)</small>		
26 11 16 00-0104 EA 800 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	5,399.57	257.53
26 11 16 00-0105 EA 1,600 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	6,239.18	257.53
26 11 16 00-0106 EA 2,000 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	8,162.30	378.72
26 11 16 00-0107 EA 3,200 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	11,644.93	378.72
26 11 16 00-0108 EA 4,000 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	19,421.72	555.46
26 11 16 00-0109 Switchgear Compartment, Blank, Use As Filler Or Metering <small>(26 11 16 00-0096)</small> Note: No provisions for future breaker.		
26 11 16 00-0110 EA 600 Thru 2,000 Amp, Blank Section Filler, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,450.18 164.58	287.83
26 11 16 00-0111 EA 3,000 Amp, Blank Section Filler, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,050.77 193.20	287.83
26 11 16 00-0112 EA 4,000 Amp, Blank Section Filler, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,012.26 277.73	444.36
26 11 16 00-0113 Accessories For Substation Secondary Distribution <small>(26 11 16 00-0096)</small>		
26 11 16 00-0114 EA Short Time Delay Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,287.54 52.94	
26 11 16 00-0115 EA Key Interlock Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,020.68 52.94	
26 11 16 00-0116 EA Ammeter And Switch Complete Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,049.84 52.94	88.22
26 11 16 00-0117 EA Voltmeter And Switch Complete Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,049.84 52.94	88.22
26 11 16 00-0118 EA Wattmeter - Complete Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,006.52 52.94	88.22
26 11 16 00-0119 EA Watt-hour Meter - Complete Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,164.61 52.94	88.22
26 11 16 00-0120 EA Circuit Breaker Lifting Device Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,297.35 60.32	100.55
26 11 16 00-0121 EA Weatherproofing, Per Vertical Section Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,137.79 893.53	1,489.21
26 11 16 00-0122 EA Current Transformer, Single Section 5 To 800 Single Secondary 5 To 800.....	1,428.52	88.22
26 11 16 00-0123 EA Potential Transformers Each With Fuses Accessories, Secondary Distribution Section.....	1,662.94	88.22
26 11 16 00-0124 EA Shunt Trip And Auxiliary Switch Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	885.45 26.47	44.11
26 11 16 00-0125 EA 3 Current Limiting Fuses 15 KV Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,465.36 52.94	88.22
26 11 16 00-0126 EA 3 Phase Surge Capacitors 15 KV Accessories, Secondary Distribution Section.....	845.17	44.11
26 12 Medium-Voltage Transformers <small>(26 10)</small>		
26 12 13 Liquid-Filled, Medium-Voltage Transformers <small>(26 12)</small>		
26 12 13 00-0001 Removal And Relocation Of Transformers <small>(26 12 13)</small>		
26 12 13 00-0002 EA Removal And Relocation Of Up To 37.5 KVA Oil Filled Transformer.....	1,005.77	
26 12 13 00-0003 EA Removal And Relocation Of >37.5 To 100 KVA Oil Filled Transformers.....	1,850.89	

26 Electrical
26 10 Medium-Voltage Electrical Distribution
26 12 Medium-Voltage Transformers



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 12 13 00-0004	Single Phase Oil Filled Distribution Transformers <small>(26 12 13)</small> Note: Self-protected type, CSP, external secondary breaker handle, external tap changer.			
26 12 13 00-0005	Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL. Rated To 5 KVA <small>(26 12 13 00-0004)</small>			
26 12 13 00-0006	EA	10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	1,554.62	403.79
26 12 13 00-0007	EA	15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	1,896.70	504.73
26 12 13 00-0008	EA	25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	2,233.39	605.68
26 12 13 00-0009	EA	37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	2,851.40	757.10
26 12 13 00-0010	EA	50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	3,398.91	908.52
26 12 13 00-0011	EA	75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	4,403.44	1,059.95
26 12 13 00-0012	EA	100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	5,228.61	1,261.84
26 12 13 00-0013	Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 2-2.5 Percent Taps FCAN And FCBN. Rated To 5 KVA <small>(26 12 13 00-0004)</small>			
26 12 13 00-0014	EA	10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,554.62	403.79
26 12 13 00-0015	EA	15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,917.22	504.73
26 12 13 00-0016	EA	25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,233.39	605.68
26 12 13 00-0017	EA	37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,851.40	757.10
26 12 13 00-0018	EA	50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	3,398.91	908.52
26 12 13 00-0019	EA	75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	4,192.58	1,059.95
26 12 13 00-0020	EA	100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	5,121.53	1,261.84
26 12 13 00-0021	Primary 13.8/14.4 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCBN And FCAN <small>(26 12 13 00-0004)</small>			
26 12 13 00-0022	EA	10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,530.69	403.79
26 12 13 00-0023	EA	15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,831.74	504.73
26 12 13 00-0024	EA	25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,169.14	605.68
26 12 13 00-0025	EA	37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,836.57	757.10
26 12 13 00-0026	EA	50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	3,336.31	908.52
26 12 13 00-0027	EA	75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	4,232.12	1,059.95
26 12 13 00-0028	EA	100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	5,131.41	1,261.84
26 12 13 00-0029	Primary 13.8/14.4 KV Ground Y Secondary 240/480 Volt, 2-2.5 Percent Taps FCBN And FCAN <small>(26 12 13 00-0004)</small>			
26 12 13 00-0030	EA	10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	1,641.81	403.79
26 12 13 00-0031	EA	15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	1,946.28	504.73
26 12 13 00-0032	EA	25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	2,469.21	605.68
26 12 13 00-0033	EA	37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	3,103.69	757.10
26 12 13 00-0034	EA	50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	3,635.75	908.52
26 12 13 00-0035	EA	75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	4,674.97	1,059.95
26 12 13 00-0036	EA	100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	5,846.33	1,261.84
26 12 13 00-0037	Transformer Platforms <small>(26 12 13 00-0004)</small>			
26 12 13 00-0038	EA	Transformer Platforms, 75 - 167 KVA	3,410.20	681.89
26 12 13 00-0039	Primary 24.9 KV, Ground Y Secondary 240/480 Volt, 2-2.5 Percent Taps FCBN Auto FCAN <small>(26 12 13 00-0004)</small>			
26 12 13 00-0040	EA	10 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	1,743.14	403.79
26 12 13 00-0041	EA	15 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	2,038.28	504.73
26 12 13 00-0042	EA	25 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	2,470.19	605.68
26 12 13 00-0043	EA	37.5 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	3,102.50	757.10
26 12 13 00-0044	EA	50 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	3,736.28	959.00
26 12 13 00-0045	EA	75 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	4,677.93	1,059.95
26 12 13 00-0046	EA	100 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	5,846.33	1,261.84
26 12 13 00-0047	EA	167 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	7,703.00	1,615.15
26 12 13 00-0048	EA	250 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	10,025.61	2,170.36
26 12 13 00-0049	EA	333 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	11,714.43	2,523.67
26 12 13 00-0050	EA	500 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	14,107.46	2,725.56
26 12 13 00-0051	Primary 4.8 KV Ground Y Secondary 120/240V 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL <small>(26 12 13 00-0004)</small>			
26 12 13 00-0052	EA	10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	1,554.62	494.44
26 12 13 00-0053	EA	15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	1,896.70	617.99
26 12 13 00-0054	EA	25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	2,232.98	740.85
26 12 13 00-0055	EA	37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	2,852.37	928.41
26 12 13 00-0056	EA	50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	3,397.98	1,112.13
26 12 13 00-0057	EA	75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	4,402.16	1,295.25
26 12 13 00-0058	EA	100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	5,228.61	1,545.10



Electrical	26	26
Medium-Voltage Electrical Distribution	26 10	
Medium-Voltage Transformers	26 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 13 00-0059 Primary 4.8 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCAN And FCBN <small>(26 12 13 00-0004)</small>		
26 12 13 00-0060 EA 10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,554.62	494.44
26 12 13 00-0061 EA 15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,917.22	617.99
26 12 13 00-0062 EA 25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,232.98	740.85
26 12 13 00-0063 EA 37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,852.37	928.41
26 12 13 00-0064 EA 50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,397.98	1,112.13
26 12 13 00-0065 EA 75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,191.30	1,295.25
26 12 13 00-0066 EA 100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	5,121.53	1,545.10
26 12 13 00-0067 Primary 7.2 To 14.4 KV Ground Y <small>(26 12 13 00-0004)</small>		
26 12 13 00-0068 Primary 7.2 To 14.4 KV Ground Y Secondary 120 / 240 V 2-2.5 Percent Taps FCBN And FCAN <small>(26 12 13 00-0067)</small>		
26 12 13 00-0069 EA 10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,374.82	403.79
26 12 13 00-0070 EA 15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,676.18	504.73
26 12 13 00-0071 EA 25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,971.49	605.68
26 12 13 00-0072 EA 37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,526.53	757.10
26 12 13 00-0073 EA 50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,098.66	908.52
26 12 13 00-0074 EA 75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,291.39	1,059.95
26 12 13 00-0075 EA 100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	5,010.23	1,261.84
26 12 13 00-0076 Primary 7.2 To 14.4 KV Ground Y Secondary 240 / 480 V 2-2.5 Pct Taps FCBN And FCAN <small>(26 12 13 00-0067)</small>		
26 12 13 00-0077 EA 10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,320.42	403.79
26 12 13 00-0078 EA 15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,607.80	504.73
26 12 13 00-0079 EA 25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,940.41	605.68
26 12 13 00-0080 EA 37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,464.37	757.10
26 12 13 00-0081 EA 50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,013.18	908.52
26 12 13 00-0082 EA 75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,980.57	1,059.95
26 12 13 00-0083 EA 100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,699.41	1,261.84
26 12 13 00-0084 3 Phase Oil Filled Distribution Transformers <small>(26 12 13)</small>		
26 12 13 00-0085 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt <small>(26 12 13 00-0084)</small>		
Note: 4-2.5 Percent taps FCBN, Class A, 95 KV BIL.		
26 12 13 00-0086 EA 112.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	5,565.30	1,413.26
26 12 13 00-0087 EA 150 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	6,552.57	1,514.21
26 12 13 00-0088 EA 225 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	8,548.29	1,917.99
26 12 13 00-0089 EA 300 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	11,027.85	2,422.72
26 12 13 00-0090 EA 500 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	14,875.75	2,725.56
26 12 13 00-0091 EA 750 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	21,848.14	3,634.09
26 12 16 Dry-Type, Medium-Voltage Transformers <small>(26 12)</small>		
26 12 16 00-0001 Removal and Relocation of Transformers <small>(26 12 16)</small>		
26 12 16 00-0002 EA Removal And Relocation Of Up To 37.5 KVA "Dry Type" Transformer	407.80	
26 12 16 00-0003 EA Removal And Relocation Of >37.5 To 112.5 KVA "Dry Type" Transformer.....	1,812.47	
26 12 19 Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers <small>(26 12)</small>		
26 12 19 00-0001 Single Phase Pad Mounted Distribution Transformers <small>(26 12 19)</small>		
Note: Designed for residential and multi-family buildings. UL listed.		
26 12 19 00-0002 Mini Pak - Single Phase KVA 25 Thru 167 - 95 KV BIL.- Oil Filled <small>(26 12 19 00-0001)</small>		
Note: Self actuating pressure relief device, taps, 4-1/2 % below or 2-1/2 % above and below. Designed for loop feed grounded wye distribution system.		
26 12 19 00-0003 Primary, 4.16/4.8 KV Ground Y Or Delta <small>(26 12 19 00-0002)</small>		
Note: 2.4 To 24.94 KV ground Y / 14.4 KV secondary - 240/120 Volt, 480/240 Volt, 277 V. Rated to 5 KVA.		
26 12 19 00-0004 EA 25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	2,917.42	491.34
26 12 19 00-0005 EA 37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,260.55	589.60
26 12 19 00-0006 EA 50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,863.28	687.87
26 12 19 00-0007 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	4,601.06	737.00
26 12 19 00-0008 EA 100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	5,144.13	786.14
26 12 19 00-0009 EA 167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	6,736.57	1,031.80
26 12 19 00-0010 Factory Modifications Material Cost Only <small>(26 12 19 00-0002)</small>		
26 12 19 00-0011 EA Loadbreaker Current Limiting Fuse Factory Modifications.....	463.27	
26 12 19 00-0012 EA Loadbreaker Oil Switch, 2 Position Factory Modifications	486.77	

26	Electrical
26 10	Medium-Voltage Electrical Distribution
26 12	Medium-Voltage Transformers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0013	EA		Loadbreaker Inserts, Factory Modifications	535.44	
26 12 19 00-0014			Distribution - Single Phase Multiple Building Transformer <small>(26 12 19 00-0001)</small>		
			Note: KVA 25 to 250, KVA BIL-95, 125, 150 standard features. Oil filled, self-actuating pressure relief device, lighting arrester mounted. Pad HV/LV barrier, etc. with taps 4-1/2 % below or 2-1/2 % above and below.		
26 12 19 00-0015			Primary, 4.16/4.8 KVA Ground Y Or Delta <small>(26 12 19 00-0014)</small>		
			Note: 2.4 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0016	EA		25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,403.97	491.34
26 12 19 00-0017	EA		37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,907.75	491.34
26 12 19 00-0018	EA		50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	4,277.33	673.13
26 12 19 00-0019	EA		75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	5,213.50	673.13
26 12 19 00-0020	EA		100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	5,831.04	884.40
26 12 19 00-0021	EA		167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	7,058.41	884.40
26 12 19 00-0022	EA		250 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	10,838.56	1,228.33
26 12 19 00-0023			Factory Modifications Material Cost Only <small>(26 12 19 00-0014)</small>		
26 12 19 00-0024	EA		Loadbreaker Current Limiting Fuse Factory Modifications	617.69	
26 12 19 00-0025	EA		Lightning Arrestors, Factory Modifications	156.51	
26 12 19 00-0026	EA		Loadbreaker Oil Switch, 2 Position Factory Modifications	486.77	
26 12 19 00-0027	EA		Loop Feed Air Switch, Factory Modifications	792.26	
26 12 19 00-0028	EA		Loadbreaker Inserts (Two), Factory Modifications	211.49	
26 12 19 00-0029	EA		Bay-O-Net Fuse 25 Thru 167 KVA Factory Modifications	182.96	
26 12 19 00-0030			Primary, 12.47 KV Ground Y Or Delta <small>(26 12 19 00-0014)</small>		
			Note: 7.2 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0031	EA		25 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,631.63	491.34
26 12 19 00-0032	EA		37.5 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,983.39	491.34
26 12 19 00-0033	EA		50 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	4,247.55	673.13
26 12 19 00-0034	EA		75 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	5,031.15	673.13
26 12 19 00-0035	EA		100 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	6,208.90	884.40
26 12 19 00-0036	EA		167 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	7,724.21	884.50
26 12 19 00-0037	EA		250 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	9,775.71	1,228.33
26 12 19 00-0038			Oil Filled Distribution Transformer Single Phase Cluster Mounted <small>(26 12 19 00-0001)</small>		
			Note: Conventional type.		
26 12 19 00-0039			13.8/14.4 KV Ground Y Or Delta Primary 120/240V <small>(26 12 19 00-0038)</small>		
			Note: 2.5 Taps FCBN and FCAN.		
26 12 19 00-0040	EA		10 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,489.42	341.16
26 12 19 00-0041	EA		15 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,164.67	479.76
26 12 19 00-0042	EA		50 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,777.50	767.61
26 12 19 00-0043	EA		100 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	8,102.40	767.61
26 12 19 00-0044	EA		167 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	11,029.93	1,258.01
26 12 19 00-0045	EA		250 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	14,428.83	1,258.01
26 12 19 00-0046			Oil Filled Distribution Transformer Single Phase <small>(26 12 19 00-0001)</small>		
26 12 19 00-0047			7.2 KV Primary, 120/240 Volt Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0048	EA		10 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,428.81	362.47
26 12 19 00-0049	EA		15 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,658.85	362.47
26 12 19 00-0050	EA		25 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,102.40	511.73
26 12 19 00-0051	EA		37.5 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,058.24	511.73
26 12 19 00-0052	EA		50 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,681.67	692.97
26 12 19 00-0053	EA		100 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,947.61	1,066.11
26 12 19 00-0054	EA		167 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,908.71	1,066.11
26 12 19 00-0055	EA		250 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	14,241.71	1,332.64
26 12 19 00-0056			7.2 KV Primary, 240/480 Volt Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0057	EA		10 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,428.81	362.47
26 12 19 00-0058	EA		15 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,658.91	362.47



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0059	EA		25 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,102.40	511.73
26 12 19 00-0060	EA		37.5 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,058.24	511.73
26 12 19 00-0061	EA		50 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,681.67	692.97
26 12 19 00-0062	EA		75 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,044.01	938.18
26 12 19 00-0063	EA		100 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,947.61	938.18
26 12 19 00-0064	EA		167 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,908.71	1,183.39
26 12 19 00-0065	EA		250 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	14,241.71	1,332.64
26 12 19 00-0066 2.4 KV Primary, 277 Volt Secondary (26 12 19 00-0046)					
26 12 19 00-0067	EA		10 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,619.02	362.47
26 12 19 00-0068	EA		15 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,866.14	362.47
26 12 19 00-0069	EA		25 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,348.17	511.73
26 12 19 00-0070	EA		37.5 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,372.19	511.73
26 12 19 00-0071	EA		50 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	5,041.09	692.97
26 12 19 00-0072	EA		75 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,463.54	938.18
26 12 19 00-0073	EA		100 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	8,612.31	938.18
26 12 19 00-0074	EA		167 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	11,841.68	1,183.39
26 12 19 00-0075	EA		250 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	15,506.46	1,332.64
26 12 19 00-0076 2.4 KV Primary, 120/240 Volt Secondary (26 12 19 00-0046)					
26 12 19 00-0077	EA		10 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,428.81	362.47
26 12 19 00-0078	EA		15 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,658.85	362.47
26 12 19 00-0079	EA		25 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,102.40	696.28
26 12 19 00-0080	EA		37.5 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,058.24	938.18
26 12 19 00-0081	EA		50 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,681.67	692.97
26 12 19 00-0082	EA		75 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,896.18	938.18
26 12 19 00-0083	EA		100 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,946.36	938.18
26 12 19 00-0084 2.4 KV Primary, 240/480 Volt Secondary (26 12 19 00-0046)					
26 12 19 00-0085	EA		10 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,428.81	362.47
26 12 19 00-0086	EA		15 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,658.85	362.47
26 12 19 00-0087	EA		25 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,102.40	511.73
26 12 19 00-0088	EA		37.5 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,058.24	511.73
26 12 19 00-0089	EA		50 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,681.67	692.97
26 12 19 00-0090	EA		75 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,896.18	938.18
26 12 19 00-0091	EA		100 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,946.36	938.18
26 12 19 00-0092 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary (26 12 19 00-0046)					
26 12 19 00-0093	EA		10 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	2,133.02	373.14
26 12 19 00-0094	EA		15 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	2,324.68	415.78
26 12 19 00-0095	EA		25 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	2,780.07	458.43
26 12 19 00-0096	EA		37 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	3,602.87	639.66
26 12 19 00-0097	EA		50 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	4,051.56	746.28
26 12 19 00-0098	EA		75 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	5,415.52	874.22
26 12 19 00-0099	EA		100 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	6,451.25	1,002.15
26 12 19 00-0100	EA		167 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	9,751.47	1,279.34
26 12 19 00-0101	EA		250 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	13,073.28	1,439.26
26 13 Medium-Voltage Switchgear (26 10)					
26 13 16 Medium-Voltage Fusible Interrupter Switchgear (26 13)					
26 13 16 00-0001 "Switchyard", Substation Secondary Distribution Section (26 13 16)					
Note: Medium voltage, metal clad switchgear, 3 phase, 3 wire with ground. Includes breaker element, housing, control switch two lamps - 3 cable terminals.					
26 13 16 00-0002 4.16 Or 4.8 KV Switchgear Sections (26 13 16 00-0001)					
Note: Includes air circuit breaker.					
26 13 16 00-0003	EA		1,200 Amp, 75 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	10,744.57	1,108.76
				<i>For Weatherproofing, Add</i>	<i>2,208.33</i>
26 13 16 00-0004	EA		1,200 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	11,265.51	1,108.76
				<i>For Weatherproofing, Add</i>	<i>2,322.94</i>
26 13 16 00-0005	EA		1,200 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	15,308.46	1,412.60
				<i>For Weatherproofing, Add</i>	<i>3,180.82</i>
26 13 16 00-0006	EA		2,000 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	20,792.32	1,412.60
				<i>For Weatherproofing, Add</i>	<i>4,363.50</i>
26 13 16 00-0007	EA		2,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	29,704.63	1,705.78
				<i>For Weatherproofing, Add</i>	<i>6,295.83</i>
26 13 16 00-0008	EA		3,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	27,159.53	1,705.78
				<i>For Weatherproofing, Add</i>	<i>5,723.82</i>
26 13 16 00-0009 7.2 KV Switchgear Sections (26 13 16 00-0001)					
Note: Includes air circuit breaker.					
26 13 16 00-0010	EA		1,200 Amp, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	15,939.57	1,279.34
				<i>For Weatherproofing, Add</i>	<i>3,335.15</i>

26	Electrical
26 10	Medium-Voltage Electrical Distribution
26 13	Medium-Voltage Switchgear



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0011 EA 2,000 Amp, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	19,594.25 4,086.63	1,599.17
26 13 16 00-0012 EA 3,000 Amp, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	27,468.10 5,781.13	1,919.00
26 13 16 00-0013 13.8 KV Switchgear Sections <small>(26 13 16 00-0001)</small> Note: Includes air circuit breaker.		
26 13 16 00-0014 EA 1,200 Amp, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	15,403.49 3,203.13	1,279.34
26 13 16 00-0015 EA 1,200 Amp, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	21,145.28 4,435.65	1,279.34
26 13 16 00-0016 EA 1,200 Amp, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	30,788.70 6,522.24	1,705.78
26 13 16 00-0017 EA 2,000 Amp, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	19,383.09 4,027.37	1,705.78
26 13 16 00-0018 EA 2,000 Amp, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	28,028.01 5,898.68	2,132.23
26 13 16 00-0019 EA 2,000 Amp, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	39,106.32 8,303.68	2,132.23
26 13 16 00-0020 EA 3,000 Amp, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	27,014.53 5,666.80	2,132.23
26 13 16 00-0021 EA 3,000 Amp, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	37,341.04 7,907.92	2,132.23
26 13 16 00-0022 EA 3,000 Amp, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	48,305.23 10,290.99	2,132.23
26 13 16 00-0023 4.16 Or 4.8 KV Switchgear Section <small>(26 13 16 00-0001)</small> Note: Excludes air circuit breaker element.		
26 13 16 00-0024 EA 1,200 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	4,867.29 972.87	698.30
26 13 16 00-0025 EA 1,200 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	6,279.58 1,283.57	698.30
26 13 16 00-0026 EA 2,000 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	6,848.12 1,377.02	927.51
26 13 16 00-0027 EA 2,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	8,485.91 1,706.41	1,146.07
26 13 16 00-0028 EA 3,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	11,344.26 2,335.25	1,146.07
26 13 16 00-0029 7.2 KV Switchgear Section <small>(26 13 16 00-0001)</small> Note: Excludes air circuit breaker element.		
26 13 16 00-0030 EA 1,200 Amp, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	6,138.03 1,238.82	1,066.11
26 13 16 00-0031 EA 2,000 Amp, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	8,026.35 1,622.83	1,066.11
26 13 16 00-0032 EA 3,000 Amp, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	12,173.17 2,504.14	1,066.11
26 13 16 00-0033 13.8 KV Switchgear Section <small>(26 13 16 00-0001)</small> Note: Excludes air circuit breaker element.		
26 13 16 00-0034 EA 1,200 Amp, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	6,348.35 1,270.36	906.20
26 13 16 00-0035 EA 1,200 Amp, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	6,757.09 1,360.29	906.20
26 13 16 00-0036 EA 1,200 Amp, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	9,643.69 1,964.17	1,119.42
26 13 16 00-0037 EA 2,000 Amp, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	8,676.19 1,720.31	1,343.30
26 13 16 00-0038 EA 2,000 Amp, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	10,602.31 2,144.05	1,343.30
26 13 16 00-0039 EA 2,000 Amp, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	12,196.43 2,463.07	1,567.19
26 13 16 00-0040 EA 3,000 Amp, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	11,499.71 2,278.66	1,791.07
26 13 16 00-0041 EA 3,000 Amp, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	12,819.54 2,569.03	1,791.07
26 13 16 00-0042 EA 3,000 Amp, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	15,749.68 3,182.25	2,004.30
26 13 16 00-0043 Accessories For Substation Secondary Distribution Sections <small>(26 13 16 00-0001)</small>		
26 13 16 00-0044 EA 1,200 Amp, Transformer Throat Connection Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,144.58 405.37	675.60
26 13 16 00-0045 EA 2,000 Amp, Transformer Throat Connection Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,908.58 449.84	749.69
26 13 16 00-0046 EA 3,000 Amp, Transformer Throat Connection Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,083.64 541.17	901.94
26 13 16 00-0047 EA 3-Phase Pothead Termination Accessories, Secondary Distribution Section	3,401.41	1,356.42
26 13 16 00-0048 EA 5 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	3,737.69	88.22



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0049	EA		5 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	4,985.22	88.22
26 13 16 00-0050	EA		5 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	9,111.25	88.22
26 13 16 00-0051	EA		15 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	7,164.98	88.22
26 13 16 00-0052	EA		15 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	7,819.86	88.22
26 13 16 00-0053	EA		15 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	10,636.73	88.22
26 13 16 00-0054	EA		6 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	1,704.90	88.22
26 13 16 00-0055	EA		9 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	1,924.18	88.22
26 13 16 00-0056	EA		15 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	2,911.53	88.22
26 13 16 00-0057	EA		Overcurrent Phase Protection, Time And Instantaneous Device 67	1,871.43	88.22
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>52.94</i>	
26 13 16 00-0058	EA		AC Ammeter With Switch.....	745.39	88.22
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>52.94</i>	
26 13 16 00-0059	EA		AC Voltmeter With Switch And Potential Transformer	745.39	88.22
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>52.94</i>	
26 13 16 00-0060	EA		Indicating Wattmeter.....	1,091.50	88.22
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>52.94</i>	
26 13 16 00-0061	EA		Indicating Varmeter.....	1,283.52	88.22
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>52.94</i>	
26 13 16 00-0062	EA		Indicating Watt-hour Meter, 2 Element	814.14	88.22
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>52.94</i>	
26 13 16 00-0063	EA		Ground Protection, Time Or Instantaneous Device 67N.....	3,442.71	88.22
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>52.94</i>	
26 13 16 00-0064	EA		Differential Generator Protection Single Phase NEMA Device 87	3,535.00	88.22
26 13 16 00-0065	EA		Current Transformers 5 And 15 KV Single Secondary	512.48	88.22
26 13 16 00-0066	EA		Potential Transformers 5 KV And 15 KV With Primary Fuses.....	2,366.29	88.22

26 13 19 Medium-Voltage Vacuum Interrupter Switchgear (26 13)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 19 00-0001			Vacuum Circuit Breakers 13.8 KV (26 13 19)		
26 13 19 00-0002	EA		1,200 Amp, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	38,204.51	1,332.64
26 13 19 00-0003	EA		1,200 Amp, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	42,210.52	1,684.46
26 13 19 00-0004	EA		1,200 Amp, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	47,932.78	1,684.46
26 13 19 00-0005	EA		2,000 Amp, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	43,743.39	1,332.64
26 13 19 00-0006	EA		2,000 Amp, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	49,166.23	1,332.64
26 13 19 00-0007	EA		2,000 Amp, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	56,047.17	1,567.19
26 13 19 00-0008	EA		3,000 Amp, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	57,873.40	1,791.07
26 13 19 00-0009	EA		3,000 Amp, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	63,323.79	1,791.07
26 13 19 00-0010	EA		3,000 Amp, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	69,205.45	2,014.96

26 18 Medium-Voltage Circuit Protection Devices (26 10)

26 18 36 Medium-Voltage Enclosed Fuses (26 18)

26 18 36 00-0001			Sectionalizing Switch (26 18 36)		
26 18 36 00-0002			Pad Mounted Metal Enclosed Oil Filled Switching Units (26 18 36 00-0001)		
			Note: 15 KV - 25 KV.		
26 18 36 00-0003			Sectionalizing Tapping And Fusing Underground Feeders (26 18 36 00-0002)		
			Note: 200 Amp replaceable bushing wells recessed locking assembly oil level and oil fill plugs.		
26 18 36 00-0004	EA		3 Phase, 1 Switch Up And 2 Switch Downstream Tapping And Fusing Underground.....	20,251.16	737.00
26 18 36 00-0005	EA		3 Phase, 2 Switch Up And 2 Switch Downstream Tapping And Fusing Underground.....	22,731.13	737.00

26 20 Low-Voltage Electrical Distribution (26)

26 21 Low-Voltage Electrical Service Entrance (26 20)

See CSI section 26 05 13 00-0000 for wire and cables.

26 21 13 Low-Voltage Overhead Electrical Service Entrance (26 21)

26 21 13 00-0001			Service Drop Cable And Weatherheads (26 21 13)		
26 21 13 00-0002			600 Volt Insulated Stranded Conductors (26 21 13 00-0001)		
26 21 13 00-0003			Aluminum Duplex ACSR Neutral (26 21 13 00-0002)		
26 21 13 00-0004	LF		#6 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	6.52	2.54
26 21 13 00-0005	LF		#4 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	7.79	3.01
26 21 13 00-0006	LF		#2 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	8.94	3.38
26 21 13 00-0007	LF		#1/0 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	11.55	4.26
26 21 13 00-0008			Aluminum Triplex ACSR Neutral (26 21 13 00-0002)		
26 21 13 00-0009	LF		#6 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	7.83	3.01
26 21 13 00-0010	LF		#4 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	8.89	3.38
26 21 13 00-0011	LF		#2 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	11.24	4.26
26 21 13 00-0012	LF		#1/0 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	13.87	5.20
26 21 13 00-0013	LF		#2/0 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	18.23	6.88
26 21 13 00-0014	LF		#4/0 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	22.90	8.53
26 21 13 00-0015	LF		336 MCM Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	28.75	10.15

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 21 Low-Voltage Electrical Service Entrance



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 21 13 00-0016 Aluminum Quadruplex ACSR Neutral <small>(26 21 13 00-0002)</small>					
26 21	13 00-0017	LF	#6 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	8.90	3.38
26 21	13 00-0018	LF	#4 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	11.23	4.26
26 21	13 00-0019	LF	#2 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	14.45	5.46
26 21	13 00-0020	LF	#1/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	18.48	6.88
26 21	13 00-0021	LF	#2/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	20.51	7.62
26 21	13 00-0022	LF	#3/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	23.32	8.53
26 21	13 00-0023	LF	#4/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	27.61	10.15
26 21	13 00-0024	LF	336 MCM Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	32.31	11.22

26 21 13 00-0025 Aluminum Triplex For Underground Service, Direct Burial <small>(26 21 13 00-0002)</small>					
Note: Excludes excavation and backfill.					
26 21	13 00-0026	MLF	#6 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	2,749.38	947.66
26 21	13 00-0027	MLF	#4 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	3,013.89	1,003.42
26 21	13 00-0028	MLF	#2 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	3,366.10	1,066.11
26 21	13 00-0029	MLF	#1/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	3,666.41	1,066.11
26 21	13 00-0030	MLF	#2/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	4,000.12	1,137.22
26 21	13 00-0031	MLF	#3/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	4,688.70	1,312.17
26 21	13 00-0032	MLF	#4/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	5,906.74	1,705.78

26 21 13 00-0033 Weather Proof Conduit Hubs <small>(26 21 13 00-0002)</small>					
26 21	13 00-0034	EA	1/2" Weatherproof Conduit Hubs	44.32	16.98
26 21	13 00-0035	EA	3/4" Weatherproof Conduit Hubs	50.53	19.30
26 21	13 00-0036	EA	1" Weatherproof Conduit Hubs	58.32	21.61
26 21	13 00-0037	EA	1-1/4" Weatherproof Conduit Hubs	80.80	28.95
26 21	13 00-0038	EA	1-1/2" Weatherproof Conduit Hubs	88.59	31.27
26 21	13 00-0039	EA	2" Weatherproof Conduit Hubs	112.58	36.28
26 21	13 00-0040	EA	2-1/2" Weatherproof Conduit Hubs	144.76	40.92
26 21	13 00-0041	EA	3" Weatherproof Conduit Hubs	184.84	48.25
26 21	13 00-0042	EA	4" Weatherproof Conduit Hubs	332.45	96.51

26 21 13 00-0043 Service Entrance Cap, Threaded Weatherhead, Galvanized <small>(26 21 13 00-0002)</small>					
26 21	13 00-0044	EA	1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #14 Thru #10 AWG Cable Service.....	49.89	16.98
26 21	13 00-0045	EA	3/4" Galvanized Threaded Service Entrance Weatherhead Cap For #12 Thru #8 AWG Cable Service.....	57.21	19.30
26 21	13 00-0046	EA	1" Galvanized Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service	65.49	21.61
26 21	13 00-0047	EA	1-1/4" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service.....	88.00	28.95
26 21	13 00-0048	EA	1-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service.....	99.45	31.27
26 21	13 00-0049	EA	2" Galvanized Threaded Service Entrance Weatherhead Cap For #1/0 Thru #2/0 AWG Cable Service.....	130.46	36.28
26 21	13 00-0050	EA	2-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #3/0 Thru #4/0 Cable Service	218.61	40.92
26 21	13 00-0051	EA	3" Galvanized Threaded Service Entrance Weatherhead Cap For 250 Thru 350 MCM Cable Service.....	248.93	48.25
26 21	13 00-0052	EA	4" Galvanized Threaded Service Entrance Weatherhead Cap For 600 Thru 750 MCM Cable Service.....	410.02	96.51

26 21 13 00-0053 Service Entrance Cap, Clamp-On Weatherhead, Aluminum <small>(26 21 13 00-0002)</small>					
26 21	13 00-0054	EA	1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #14 Thru #10 AWG Cable Service.....	48.27	16.98
26 21	13 00-0055	EA	3/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #12 Thru #8 AWG Cable Service.....	54.48	19.30
26 21	13 00-0056	EA	1" Aluminum Clamp-On Service Entrance Weatherhead Cap For #6 AWG Cable Service	61.80	21.52
26 21	13 00-0057	EA	1-1/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service.....	82.16	28.95
26 21	13 00-0058	EA	1-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service.....	91.57	31.27
26 21	13 00-0059	EA	2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #1/0 Thru #2/0 AWG Cable Service.....	107.93	36.28
26 21	13 00-0060	EA	2-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #3/0 Thru #4/0 Cable Service	176.37	40.92
26 21	13 00-0061	EA	3" Aluminum Clamp-On Service Entrance Weatherhead Cap For 250 Thru 350 MCM Cable Service.....	227.68	48.25
26 21	13 00-0062	EA	3-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 400 Thru 500 MCM Cable Service.....	320.73	72.38
26 21	13 00-0063	EA	4" Aluminum Clamp-On Service Entrance Weatherhead Cap For 600 Thru 750 MCM Cable Service.....	384.73	96.51

26 21 13 00-0064 Service Entrance Cap, Threaded Weatherhead, Polyvinyl Chloride (PVC) <small>(26 21 13 00-0002)</small>					
26 21	13 00-0065	EA	1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #14 Thru #10 AWG Cable Service.....	45.60	16.98
26 21	13 00-0066	EA	3/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #12 Thru #8 AWG Cable Service.....	52.09	19.30
26 21	13 00-0067	EA	1" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service	58.99	21.52
26 21	13 00-0068	EA	1-1/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service.....	78.67	28.95
26 21	13 00-0069	EA	1-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service.....	85.54	31.27
26 21	13 00-0070	EA	2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #1/0 Thru #2/0 AWG Cable Service.....	103.73	36.28
26 21	13 00-0071	EA	2-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #3/0 Thru #4/0 Cable Service.....	162.24	40.92
26 21	13 00-0072	EA	3" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 250 Thru 350 MCM Cable Service.....	183.16	48.25
26 21	13 00-0073	EA	3-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 400 Thru 500 MCM Cable Service.....	308.76	72.38
26 21	13 00-0074	EA	4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 600 Thru 750 MCM Cable Service.....	425.51	96.51

26 22 Low-Voltage Transformers (26 20)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 Low-Voltage Distribution Transformers (26 22)		
26 22 13 00-0001 Single Phase General Purpose "Dry Type" Transformers (26 22 13)		
Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor Use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.		
26 22 13 00-0002 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001)		
Note: 2-2.5 Percent taps above and 4-2.5 percent taps below.		
26 22 13 00-0003 EA 1 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	660.90	247.27
26 22 13 00-0004 EA 3 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	846.71	296.72
26 22 13 00-0005 EA 5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	980.37	309.58
26 22 13 00-0006 EA 7.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,115.07	321.45
26 22 13 00-0007 EA 10 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,432.47	346.17
26 22 13 00-0008 EA 15 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,650.36	370.91
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	45.43	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	68.14	
26 22 13 00-0009 EA 25 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,794.08	395.63
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	50.14	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	75.21	
26 22 13 00-0010 EA 37.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,824.99	445.09
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	46.74	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	70.11	
26 22 13 00-0011 EA 50 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	2,126.59	494.53
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	56.88	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	85.31	
26 22 13 00-0012 EA 75 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	2,728.81	593.44
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	77.10	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	115.64	
26 22 13 00-0013 EA 100 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	3,378.95	692.35
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	99.71	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	149.57	
26 22 13 00-0014 EA 167 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	5,088.15	890.16
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	165.39	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	248.09	
26 22 13 00-0015 EA 250 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	8,451.23	1,087.98
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	313.76	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	470.65	
26 22 13 00-0016 EA 333 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	12,596.92	1,236.33
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	506.21	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	759.32	
26 22 13 00-0017 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001)		
Note: 1-10 Percent x 2-5 percent FCBN taps.		
26 22 13 00-0018 EA 3 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	769.29	296.72
26 22 13 00-0019 EA 5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	856.31	309.09
26 22 13 00-0020 EA 7.5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	976.39	321.45
26 22 13 00-0021 EA 10 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	1,106.34	346.17
26 22 13 00-0022 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001)		
Note: 2-5 Percent x 4 - 2.5 percent FCBN taps.		
26 22 13 00-0023 EA 15 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	1,650.36	370.91
26 22 13 00-0024 EA 25 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	1,794.08	395.63
26 22 13 00-0025 1 Phase Mounting Brackets (26 22 13 00-0001)		
26 22 13 00-0026 EA 1 Phase Mounting Brackets (Set Of 2) For Transformers Up To 100 KVA.....	449.16	176.45
26 22 13 00-0027 1 Phase Weathershields (26 22 13 00-0001)		
Note: Use with types DT-3 and DS-3.		
26 22 13 00-0028 EA 37.5 KVA 1 Phase Weathershields, Set Of 2.....	32.73	
26 22 13 00-0029 EA 50 KVA 1 Phase Weathershields, Set Of 2.....	41.72	
26 22 13 00-0030 EA 75 KVA 1 Phase Weathershields, Set Of 2.....	49.75	
26 22 13 00-0031 EA 100 KVA 1 Phase Weathershields, Set Of 2.....	59.35	
26 22 13 00-0032 EA 167 KVA 1 Phase Weathershields, Set Of 2.....	80.30	
26 22 13 00-0033 EA 250 KVA 1 Phase Weathershields, Set Of 2.....	96.01	
26 22 13 00-0034 EA 333 KVA 1 Phase Weathershields, Set Of 2.....	117.83	
26 22 13 00-0035 Packaged Power Supply (26 22 13 00-0001)		
Note: 2-5 Percent FCBN taps.		
26 22 13 00-0036 EA 5 KVA, 480 Volt - 120/240 Volt, Transformer With 6 - 1 Pole / 3 - 2 Pole Max 20 Amp Breakers.....	1,099.34	309.09
26 22 13 00-0037 EA 7.5 KVA, 480 Volt - 120/240 Volt, Transformer With 8 - 1 Pole / 4 - 2 Pole Max 30 Amp Breakers.....	1,205.53	321.45
26 22 13 00-0038 EA 10 KVA, 480 Volt - 120/240 Volt, Transformer With 10 - 1 Pole / 5 - 2 Pole Max 40 Amp Breakers.....	1,303.50	346.17
26 22 13 00-0039 EA 15 KVA, 480 Volt - 120/240 Volt, Transformer With 16 - 1 Pole / 8 - 2 Pole Max 60 Amp Breakers.....	1,535.00	370.91
26 22 13 00-0040 EA 25 KVA, 480 Volt - 120/240 Volt, Transformer With 24 - 1 Pole / 12 - 2 Pole Max 100 Amp Breakers.....	1,974.38	395.63



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0098 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCBN Taps (26 22 13 00-0056)		
26 22 13 00-0099 EA 9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	2,146.06	407.99
26 22 13 00-0100 EA 15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	2,715.19	445.09
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	91.25	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	136.88	
 26 22 13 00-0101 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 4-2.5 Percent FCBN Taps (26 22 13 00-0056)		
26 22 13 00-0102 EA 30 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	3,092.73	543.99
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	100.24	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	150.36	
<i>For K4 Factor Rating, Add</i>	1,403.33	
<i>For K13 Factor Rating, Add</i>	2,004.75	
<i>For K20 Factor Rating, Add</i>	2,606.18	
26 22 13 00-0103 EA 37.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	3,664.87	593.44
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	123.90	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	185.85	
<i>For K4 Factor Rating, Add</i>	1,734.59	
<i>For K13 Factor Rating, Add</i>	2,477.98	
<i>For K20 Factor Rating, Add</i>	3,221.37	
26 22 13 00-0104 EA 45 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	3,856.08	642.90
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	128.51	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	192.77	
<i>For K4 Factor Rating, Add</i>	1,799.20	
<i>For K13 Factor Rating, Add</i>	2,570.29	
<i>For K20 Factor Rating, Add</i>	3,341.38	
26 22 13 00-0105 EA 50 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	4,897.72	692.35
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	175.65	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	263.48	
<i>For K4 Factor Rating, Add</i>	2,459.11	
<i>For K13 Factor Rating, Add</i>	3,513.02	
<i>For K20 Factor Rating, Add</i>	4,566.93	
26 22 13 00-0106 EA 75 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	4,894.21	741.80
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	170.53	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	255.80	
<i>For K4 Factor Rating, Add</i>	2,387.43	
<i>For K13 Factor Rating, Add</i>	3,410.61	
<i>For K20 Factor Rating, Add</i>	4,433.79	
26 22 13 00-0107 EA 112.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	6,055.92	890.16
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	213.78	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	320.67	
<i>For K4 Factor Rating, Add</i>	2,992.92	
<i>For K13 Factor Rating, Add</i>	4,275.60	
<i>For K20 Factor Rating, Add</i>	5,558.28	
26 22 13 00-0108 EA 150 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	7,680.31	989.07
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	285.11	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	427.66	
<i>For K4 Factor Rating, Add</i>	3,991.52	
<i>For K13 Factor Rating, Add</i>	5,702.17	
<i>For K20 Factor Rating, Add</i>	7,412.82	
26 22 13 00-0109 EA 225 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	10,351.29	1,236.33
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	393.93	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	590.90	
<i>For K4 Factor Rating, Add</i>	5,515.03	
<i>For K13 Factor Rating, Add</i>	7,878.61	
<i>For K20 Factor Rating, Add</i>	10,242.19	
26 22 13 00-0110 EA 300 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	12,645.93	1,533.06
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	478.99	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	718.49	
<i>For K4 Factor Rating, Add</i>	6,705.87	
<i>For K13 Factor Rating, Add</i>	9,579.81	
<i>For K20 Factor Rating, Add</i>	12,453.75	
26 22 13 00-0111 EA 500 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	17,786.55	1,879.23
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	701.40	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	1,052.11	
<i>For K4 Factor Rating, Add</i>	9,819.66	
<i>For K13 Factor Rating, Add</i>	14,028.08	
<i>For K20 Factor Rating, Add</i>	18,236.50	
26 22 13 00-0112 EA 750 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	38,767.42	2,260.14
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	1,710.88	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	2,566.33	
<i>For K4 Factor Rating, Add</i>	23,952.38	
<i>For K13 Factor Rating, Add</i>	34,217.69	
<i>For K20 Factor Rating, Add</i>	44,483.00	
26 22 13 00-0113 EA 1,000 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	50,501.76	2,472.68
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	2,277.82	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	3,416.73	
<i>For K4 Factor Rating, Add</i>	31,889.49	
<i>For K13 Factor Rating, Add</i>	45,556.41	
<i>For K20 Factor Rating, Add</i>	59,223.33	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0114			480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 2-2.5 Percent FCBN Taps (26 22 13 00-0056)		
26 22 13 00-0115	EA		6 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	1,803.19	383.27
			<i>For K4 Factor Rating, Add</i>	725.66	
			<i>For K13 Factor Rating, Add</i>	1,036.66	
			<i>For K20 Factor Rating, Add</i>	1,347.66	
26 22 13 00-0116	EA		9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	2,146.06	407.99
			<i>For K4 Factor Rating, Add</i>	931.06	
			<i>For K13 Factor Rating, Add</i>	1,330.08	
			<i>For K20 Factor Rating, Add</i>	1,729.10	
26 22 13 00-0117	EA		15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	2,715.19	445.09
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	91.25	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	136.88	
			<i>For K4 Factor Rating, Add</i>	1,277.52	
			<i>For K13 Factor Rating, Add</i>	1,825.03	
			<i>For K20 Factor Rating, Add</i>	2,372.54	
26 22 13 00-0118			480 Volt x 480Y/277 Volt, 2-2.5 Percent FCAN And 4 Percent FCBN Taps (26 22 13 00-0056)		
26 22 13 00-0119	EA		30 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	4,904.10	543.99
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	190.81	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	286.21	
			<i>For K4 Factor Rating, Add</i>	2,671.28	
			<i>For K13 Factor Rating, Add</i>	3,816.12	
			<i>For K20 Factor Rating, Add</i>	4,960.96	
26 22 13 00-0120	EA		45 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	5,532.37	642.90
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	212.33	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	318.49	
			<i>For K4 Factor Rating, Add</i>	2,972.61	
			<i>For K13 Factor Rating, Add</i>	4,246.58	
			<i>For K20 Factor Rating, Add</i>	5,520.55	
26 22 13 00-0121	EA		75 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	7,942.14	741.80
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	322.93	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	484.39	
			<i>For K4 Factor Rating, Add</i>	4,520.98	
			<i>For K13 Factor Rating, Add</i>	6,458.54	
			<i>For K20 Factor Rating, Add</i>	8,396.10	
26 22 13 00-0122	EA		112.5 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	9,926.85	890.16
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	407.33	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	610.99	
			<i>For K4 Factor Rating, Add</i>	5,702.57	
			<i>For K13 Factor Rating, Add</i>	8,146.53	
			<i>For K20 Factor Rating, Add</i>	10,590.49	
26 22 13 00-0123	EA		150 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	11,867.48	989.07
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	494.47	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	741.70	
			<i>For K4 Factor Rating, Add</i>	6,922.54	
			<i>For K13 Factor Rating, Add</i>	9,889.34	
			<i>For K20 Factor Rating, Add</i>	12,856.14	
26 22 13 00-0124	EA		225 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	15,178.56	1,236.33
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	635.29	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	952.94	
			<i>For K4 Factor Rating, Add</i>	8,894.12	
			<i>For K13 Factor Rating, Add</i>	12,705.88	
			<i>For K20 Factor Rating, Add</i>	16,517.64	
26 22 13 00-0125	EA		300 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	18,486.97	1,533.06
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	771.04	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	1,156.56	
			<i>For K4 Factor Rating, Add</i>	10,794.60	
			<i>For K13 Factor Rating, Add</i>	15,420.85	
			<i>For K20 Factor Rating, Add</i>	20,047.11	
26 22 13 00-0126	EA		500 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	29,086.39	1,879.23
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	1,266.40	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	1,899.59	
			<i>For K4 Factor Rating, Add</i>	17,729.54	
			<i>For K13 Factor Rating, Add</i>	25,327.92	
			<i>For K20 Factor Rating, Add</i>	32,926.30	
26 22 13 00-0127			3 Phase 60 Hz K20 Dry Type Transformers (26 22 13 00-0056)		
26 22 13 00-0128			3 Phase 60 Hz K20 Dry Type Transformers, 115 C Rise (26 22 13 00-0127) Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0129	EA		15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	2,568.48	445.09
26 22 13 00-0130	EA		30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	3,746.53	543.99
26 22 13 00-0131	EA		45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	5,334.07	642.90
26 22 13 00-0132	EA		75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	6,731.37	741.80
26 22 13 00-0133	EA		112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	9,875.26	890.16
26 22 13 00-0134	EA		150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	11,912.62	989.07
26 22 13 00-0135	EA		225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	13,945.21	1,236.33
26 22 13 00-0136	EA		300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	21,693.67	1,533.06



	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0137	3 Phase 60 Hz K20 Dry Type Transformers, 80 C Rise <small>(26 22 13 00-0127)</small> Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0138	EA 15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	2,905.43	445.09
26 22 13 00-0139	EA 30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	4,278.56	543.99
26 22 13 00-0140	EA 45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	6,143.40	642.90
26 22 13 00-0141	EA 75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	7,779.31	741.80
26 22 13 00-0142	EA 112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	11,493.93	890.16
26 22 13 00-0143	EA 150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	13,900.48	989.07
26 22 13 00-0144	EA 225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	16,239.40	1,236.33
26 22 13 00-0145	EA 300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	25,419.50	1,533.06
26 22 13 00-0146	NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0056)</small>		
26 22 13 00-0147	Aluminum Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0146)</small> Note: Two taps at 2.5%, four at -2.5%.		
26 22 13 00-0148	150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0147)</small>		
26 22 13 00-0149	EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	3,083.93	442.20
26 22 13 00-0150	EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	3,761.87	540.46
26 22 13 00-0151	EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,535.13	638.73
26 22 13 00-0152	EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	6,089.95	737.00
26 22 13 00-0153	EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	8,148.30	884.40
26 22 13 00-0154	EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	10,137.32	982.66
26 22 13 00-0155	EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	13,440.99	1,228.33
26 22 13 00-0156	EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	18,922.64	1,523.14
26 22 13 00-0157	115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0147)</small>		
26 22 13 00-0158	EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	3,745.71	442.20
26 22 13 00-0159	EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,563.49	540.46
26 22 13 00-0160	EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,512.64	638.73
26 22 13 00-0161	EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	7,474.96	737.00
26 22 13 00-0162	EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	9,577.84	884.40
26 22 13 00-0163	EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	12,588.92	982.66
26 22 13 00-0164	EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	16,736.50	1,228.33
26 22 13 00-0165	EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	23,685.55	1,523.14
26 22 13 00-0166	80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0147)</small>		
26 22 13 00-0167	EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,404.82	442.20
26 22 13 00-0168	EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,367.33	540.46
26 22 13 00-0169	EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	6,490.17	638.73
26 22 13 00-0170	EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	8,857.74	737.00
26 22 13 00-0171	EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	11,381.47	884.40
26 22 13 00-0172	EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	15,040.52	982.66
26 22 13 00-0173	EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	20,032.02	1,228.33
26 22 13 00-0174	EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	28,448.46	1,523.14
26 22 13 00-0175	Copper Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0146)</small> Note: Two taps at 2.5%, four at -2.5%.		



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 22 13 00-0176		150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0175)</small>		
26 22 13 00-0177	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	4,184.37	442.20
26 22 13 00-0178	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,100.12	540.46
26 22 13 00-0179	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	6,162.84	638.73
26 22 13 00-0180	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	8,396.81	737.00
26 22 13 00-0181	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	11,408.18	884.40
26 22 13 00-0182	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	14,307.93	982.66
26 22 13 00-0183	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	19,045.59	1,228.33
26 22 13 00-0184	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	27,025.60	1,523.14
26 22 13 00-0185		115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0175)</small>		
26 22 13 00-0186	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	4,843.48	442.20
26 22 13 00-0187	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,903.97	540.46
26 22 13 00-0188	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	7,140.37	638.73
26 22 13 00-0189	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	9,781.82	737.00
26 22 13 00-0190	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	14,917.47	884.40
26 22 13 00-0191	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	18,819.22	982.66
26 22 13 00-0192	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	24,024.50	1,228.33
26 22 13 00-0193	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	35,818.84	1,523.14
26 22 13 00-0194		80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0175)</small>		
26 22 13 00-0195	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,504.80	442.20
26 22 13 00-0196	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	6,707.80	540.46
26 22 13 00-0197	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	8,117.88	638.73
26 22 13 00-0198	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	11,164.60	737.00
26 22 13 00-0199	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	17,736.48	884.40
26 22 13 00-0200	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	22,909.68	982.66
26 22 13 00-0201	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	29,001.17	1,228.33
26 22 13 00-0202	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	42,841.85	1,523.14
26 22 13 00-0203		3 Phase Weathershields <small>(26 22 13 00-0056)</small> Note: Use with type DT-3 and DS-3.		
26 22 13 00-0204	EA	45-112.5 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2.....	443.36	
26 22 13 00-0205	EA	150-300 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2.....	752.91	
26 22 13 00-0206	EA	500-1,000 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2.....	752.91	
26 22 13 00-0207		Three Phase Mounting Brackets <small>(26 22 13 00-0056)</small>		
26 22 13 00-0208	EA	3 Phase Mounting Brackets (Set Of 2) For Transformers Up To 112.5 KVA.....	589.56	176.45
26 22 13 00-0209		Pad Mounted Commercial Type Distribution Transformers UL Listed <small>(26 22 13)</small>		
26 22 13 00-0210		Distribution 3 Phase Oil Filled Transformer <small>(26 22 13 00-0209)</small> Note: Designed for loads as shopping centers, institutions, and industrial plants with underground distribution. KVA-75 thru 1000, 3 phase 95 thru 150 KV BIL standard features. With taps 4-1/2 percent below - 2-1/2 percent above and below.		
26 22 13 00-0211		Factory Modifications <small>(26 22 13 00-0210)</small> Note: For use with series 4100 3 phase transformers.		
26 22 13 00-0212	EA	Current Limiting Fuse 95 KV Series 4100, 3 Phase Transformer, Factory Modification.....	812.40	
26 22 13 00-0213	EA	Lightning Arrestors 9-10 KV Series 4100, 3 Phase Transformer, Factory Modification.....	132.10	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0214	EA		Loadbreaker Oil Switch, 2 Position Series 4100, 3 Phase Transformer, Factory Modification.....	528.42	
26 22 13 00-0215	EA		Loop Feed Air Switch Series 4100, 3 Phase Transformer, Factory Modification	1,522.41	
26 22 13 00-0216	EA		Loadbreaker Inserts Series 4100, 3 Phase Transformer, Factory Modification	186.50	
26 22 13 00-0217	EA		Lightning Arrestors, 15 KV Series 4100, 3 Phase Transformer, Factory Modification	147.65	
26 22 13 00-0218			Accessories For Transformer Liquid Containment Area <small>(26 22 13 00-0210)</small>		
			Note: Reinforced concrete curb with 6" slab.		
26 22 13 00-0219	EA		Containment Area For 75 KVA <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,676.00 1,176.67	1,764.98
26 22 13 00-0220	EA		Containment Area For 112.5 KVA <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,676.00 1,176.67	1,764.98
26 22 13 00-0221	EA		Containment Area For 150 KVA <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,676.00 1,176.67	1,764.98
26 22 13 00-0222	EA		Containment Area For 225 KVA <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,676.00 1,176.67	1,764.98
26 22 13 00-0223	EA		Containment Area For 300 KVA <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,669.68 1,174.77	1,764.98
26 22 13 00-0224	EA		Containment Area For 500 KVA <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,669.68 1,174.77	1,764.98
26 22 13 00-0225	EA		Containment Area For 750 KVA <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,691.44 1,174.77	1,764.98
26 22 13 00-0226	EA		Containment Area For 1,000 KVA <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,006.94 1,174.77	1,764.98
26 22 13 00-0227			Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 95 KV BIL <small>(26 22 13 00-0210)</small>		
			Note: Rated to 5 KVA.		
26 22 13 00-0228	EA		45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	5,944.69	1,179.20
26 22 13 00-0229	EA		75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	6,410.94	1,179.20
26 22 13 00-0230	EA		112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	6,721.78	1,179.20
26 22 13 00-0231	EA		150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	7,654.28	1,179.20
26 22 13 00-0232	EA		225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	8,601.54	1,768.80
26 22 13 00-0233	EA		300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	8,912.37	1,768.80
26 22 13 00-0234	EA		500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	12,642.39	1,768.80
26 22 13 00-0235	EA		750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	16,241.06	2,358.40
26 22 13 00-0236	EA		1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	20,281.91	2,358.40
26 22 13 00-0237			Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 95 BIL <small>(26 22 13 00-0210)</small>		
			Note: Rated to 5 KVA.		
26 22 13 00-0238	EA		45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	6,100.11	1,179.20
26 22 13 00-0239	EA		75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	6,721.78	1,179.20
26 22 13 00-0240	EA		112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	6,877.19	1,179.20
26 22 13 00-0241	EA		150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	7,032.61	1,179.20
26 22 13 00-0242	EA		225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	8,601.54	1,768.80
26 22 13 00-0243	EA		300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	9,223.21	1,768.80
26 22 13 00-0244	EA		500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	12,642.39	1,768.80
26 22 13 00-0245	EA		750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	16,396.47	2,358.40
26 22 13 00-0246	EA		1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	20,281.91	2,358.40
26 22 13 00-0247			Primary 5 KV Or 15 KV, Secondary 277/480 Volt <small>(26 22 13 00-0209)</small>		
			Note: 4-2.5 Percent taps FCAN and FCBN. Pad mounted.		
26 22 13 00-0248	EA		150 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	10,182.74	1,554.58
26 22 13 00-0249	EA		225 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	11,331.15	1,835.22
26 22 13 00-0250	EA		300 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	13,007.21	2,243.04
26 22 13 00-0251	EA		500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	15,273.83	2,523.67
26 22 13 00-0252	EA		750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	18,076.87	2,656.42
26 22 13 00-0253	EA		1,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	22,912.64	3,881.41
26 22 13 00-0254	EA		1,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	26,639.37	4,391.19
26 22 13 00-0255	EA		2,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	32,700.58	5,047.35

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 22 Low-Voltage Transformers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0256 EA 2,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	35,689.99	5,299.72
26 22 13 00-0257 EA 3,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	38,190.08	5,905.60
26 22 13 00-0258 EA 3,750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	43,144.03	6,309.39
26 22 13 00-0259 Pad Mounted Transformer 15 KV - 480 Volt, Oil Filled (26 22 13 00-0209)		
26 22 13 00-0260 EA 1,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	37,881.33	4,379.25
26 22 13 00-0261 EA 2,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	46,236.05	5,036.17
26 22 13 00-0262 EA 2,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	52,117.68	5,301.20
26 22 13 00-0263 EA 3,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	55,670.99	5,924.89
26 22 13 00-0264 EA 3,750 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	61,837.65	6,104.43
26 22 13 00-0265 Silicone Filled Distribution Transformers, 3 Phase (26 22 13 00-0209)		
Note: Primary 5 KV or 15 KV, secondary 277/480 V, 4-2.5 percent taps FCAN and FCBN. Pad mounted.		
26 22 13 00-0266 EA 225 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	16,256.73	1,835.22
26 22 13 00-0267 EA 300 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	17,873.30	2,243.04
26 22 13 00-0268 EA 500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	20,791.66	2,523.67
26 22 13 00-0269 EA 750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	24,572.31	2,656.42
26 22 13 00-0270 EA 1,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	30,539.47	3,881.41
26 22 13 00-0271 EA 1,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	37,942.31	4,391.19
26 22 13 00-0272 EA 2,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	45,757.37	5,047.35
26 22 13 00-0273 EA 2,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	51,602.56	5,299.72
26 22 13 00-0274 Foam Core Poly Transformer Pads (26 22 13)		
26 22 13 00-0275 EA Single Phase Foam Core Poly Pads.....	151.60	32.63
Note: Excludes site prep.		
26 24 Switchboards And Panelboards (26 20)		
26 24 13 Switchboards (26 24)		
Note: Installation of free-standing building distribution switchboards. Switchboard sections to be mounted on 4" concrete pad. Includes material, handling, unloading at job site, assembly and installation, wiring connections, testing and cleanup. Exclude concrete pad and foundation.		
26 24 13 00-0001 Fusible Switch Type 240 Volt, 3 Phase, 3 Wire (26 24 13)		
26 24 13 00-0002 Incoming Service Section Main Device Only (26 24 13 00-0001)		
Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0003 EA 400 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	3,639.95	844.10
26 24 13 00-0004 EA 600 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	4,041.00	892.84
26 24 13 00-0005 EA 800 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	6,654.99	1,012.79
26 24 13 00-0006 EA 1,200 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	7,170.38	1,085.74
26 24 13 00-0007 EA 1,600 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	11,679.82	1,157.63
26 24 13 00-0008 EA 2,000 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	13,042.81	1,230.88
26 24 13 00-0009 EA 400 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	4,460.01	844.10
26 24 13 00-0010 EA 600 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	5,769.29	892.84
26 24 13 00-0011 EA 800 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	8,110.48	1,013.66
26 24 13 00-0012 EA 1,200 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	11,184.21	1,085.74
26 24 13 00-0013 EA 1,600 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	11,679.82	1,158.79
26 24 13 00-0014 EA 2,000 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	13,042.81	1,230.88
26 24 13 00-0015 EA 2,500 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	15,733.76	1,286.85
26 24 13 00-0016 EA 3,000 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	17,856.62	1,378.62
26 24 13 00-0017 EA 4,000 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	21,122.01	1,486.13
26 24 13 00-0018 EA 400 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	2,418.34	747.89
26 24 13 00-0019 EA 600 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	2,681.73	796.23
26 24 13 00-0020 EA 800 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	3,070.26	916.57
26 24 13 00-0021 EA 1,000 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	3,318.65	955.08
26 24 13 00-0022 EA 1,200 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	3,542.77	989.53
26 24 13 00-0023 EA 1,600 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	3,889.48	1,060.94
26 24 13 00-0024 EA 2,000 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	4,207.21	1,133.70
26 24 13 00-0025 Branch Breaker Units (26 24 13 00-0001)		
Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0026 EA 15 - 60 Amp MC Branch Breaker, 240 Volt.....	325.01	29.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		
EA	17.66	
26 24 13 00-0027 EA 70 - 100 Amp MC Branch Breaker, 240 Volt.....	475.23	46.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		
EA	27.79	
26 24 13 00-0028 EA 125 - 225 Amp MC Branch Breaker, 240 Volt.....	1,288.35	84.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		
EA	50.66	
26 24 13 00-0029 EA 100 - 400 Amp MC Branch Breaker, 240 Volt.....	2,299.30	110.01
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		
EA	66.01	
26 24 13 00-0030 EA 300 - 600 Amp MC Branch Breaker, 240 Volt.....	4,073.43	270.21
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		
EA	162.10	
26 24 13 00-0031 EA 400 - 800 Amp MC Branch Breaker, 240 Volt.....	6,570.22	270.21
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		
EA	162.10	
26 24 13 00-0032 EA 600 - 1,200 Amp MC Branch Breaker, 240 Volt.....	10,639.21	481.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		
EA	288.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0033 Fusible Switch Type 480 Volt, 3 Phase, 3 Wire (26 24 13)		
26 24 13 00-0034 Incoming Service Section Main Device Only (26 24 13 00-0033)		
Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0035 EA 400 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire.....	5,164.79	1,095.30
26 24 13 00-0036 EA 600 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire.....	5,786.56	1,095.30
26 24 13 00-0037 EA 800 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire.....	8,710.95	1,423.40
26 24 13 00-0038 EA 1,200 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire.....	9,896.29	1,423.40
26 24 13 00-0039 Fusible Switch Type 120/240 Volt, 1 Phase, 3 Wire (26 24 13)		
26 24 13 00-0040 Incoming Service Section Main Device Only (26 24 13 00-0039)		
Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0041 EA 200/400 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire.....	3,278.87	747.89
26 24 13 00-0042 EA 600 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire.....	3,661.74	796.23
26 24 13 00-0043 EA 800 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire.....	5,700.70	916.57
26 24 13 00-0044 EA 1,200 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire.....	6,195.93	988.76
26 24 13 00-0045 EA 200/400 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	4,057.35	747.89
26 24 13 00-0046 EA 600 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	5,168.80	796.23
26 24 13 00-0047 EA 800 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	7,317.54	916.57
26 24 13 00-0048 EA 1,200 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	10,605.66	988.76
26 24 13 00-0049 EA 2,000 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	12,466.13	1,109.77
26 24 13 00-0050 EA 200/400 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	2,257.46	651.29
26 24 13 00-0051 EA 600 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	2,538.83	699.73
26 24 13 00-0052 EA 800 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	2,980.79	820.08
26 24 13 00-0053 EA 1,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	3,215.85	858.58
26 24 13 00-0054 EA 1,200 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	3,444.17	892.84
26 24 13 00-0055 EA 1,600 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	3,741.60	955.08
26 24 13 00-0056 EA 2,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	4,033.39	1,012.79
26 24 13 00-0057 EA 2,500 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	5,007.76	1,254.52
26 24 13 00-0058 EA 3,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	5,613.64	1,375.15
26 24 13 00-0059 EA 4,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	6,645.47	1,483.71
26 24 13 00-0060 Branch Breaker Units (26 24 13 00-0039)		
Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 2 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0061 EA 15 - 60 Amp MC Branch Breaker, 120 / 240 Volt.....	171.91	25.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	15.35	
26 24 13 00-0062 EA 70 - 100 Amp MC Branch Breaker, 120 / 240 Volt.....	272.55	42.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	25.48	
26 24 13 00-0063 EA 125 - 225 Amp MC Branch Breaker, 120 / 240 Volt.....	850.61	59.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	35.61	
26 24 13 00-0064 EA 100 - 400 Amp MC Branch Breaker, 120 / 240 Volt.....	2,472.94	76.24
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	45.74	
26 24 13 00-0065 EA 300 - 600 Amp MC Branch Breaker, 120 / 240 Volt.....	3,876.33	185.77
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	111.45	
26 24 13 00-0066 EA 400 - 800 Amp MC Branch Breaker, 120 / 240 Volt.....	5,533.10	185.77
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	111.45	
26 24 13 00-0067 EA 600 - 1,200 Amp MC Branch Breaker, 120 / 240 Volt.....	9,109.64	354.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	212.81	
26 24 13 00-0068 Fusible Switch Type 120/208 Volt, 3 Phase, 4 Wire (26 24 13)		
26 24 13 00-0069 Incoming Service Section Main Device Only (26 24 13 00-0068)		
Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0070 EA 400 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	3,641.13	844.10
26 24 13 00-0071 EA 600 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	4,039.68	892.84
26 24 13 00-0072 EA 800 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	6,653.28	1,012.79
26 24 13 00-0073 EA 1,200 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	7,168.42	1,085.74
26 24 13 00-0074 EA 1,600 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	11,675.37	1,157.63
26 24 13 00-0075 EA 2,000 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	13,042.80	1,230.88
26 24 13 00-0076 EA 400 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	4,461.19	844.10
26 24 13 00-0077 EA 600 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	5,767.97	892.84
26 24 13 00-0078 EA 800 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	8,110.48	1,013.66
26 24 13 00-0079 EA 1,200 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	11,182.25	1,085.74
26 24 13 00-0080 EA 1,600 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	11,677.59	1,158.79
26 24 13 00-0081 EA 2,000 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	13,042.80	1,230.88
26 24 13 00-0082 EA 400 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	2,548.63	747.89
26 24 13 00-0083 EA 600 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	2,861.63	796.23
26 24 13 00-0084 EA 800 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	3,340.30	916.57
26 24 13 00-0085 EA 1,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	3,603.53	955.08
26 24 13 00-0086 EA 1,200 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	3,858.78	989.53
26 24 13 00-0087 EA 1,600 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	4,192.81	1,060.94
26 24 13 00-0088 EA 2,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	4,531.35	1,133.70
26 24 13 00-0089 EA 2,500 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	5,396.40	1,288.30
26 24 13 00-0090 EA 3,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	5,985.14	1,378.53
26 24 13 00-0091 EA 4,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	7,111.12	1,481.30



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 24 13 00-0092		Branch Breaker Units <small>(26 24 13 00-0068)</small>		
Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 120/208 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.				
26 24 13 00-0093	EA	15 - 60 Amp MC Branch Breaker, 120/208 Volt.....	325.01	29.44
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.66	
26 24 13 00-0094	EA	70 - 100 Amp MC Branch Breaker, 120/208 Volt.....	475.23	46.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.79	
26 24 13 00-0095	EA	125 - 225 Amp MC Branch Breaker, 120/208 Volt.....	1,288.35	84.44
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.66	
26 24 13 00-0096	EA	100 - 400 Amp MC Branch Breaker, 120/208 Volt.....	2,299.30	110.01
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.01	
26 24 13 00-0097	EA	300 - 600 Amp MC Branch Breaker, 120/208 Volt.....	4,073.43	270.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	162.10	
26 24 13 00-0098	EA	400 - 800 Amp MC Branch Breaker, 120/208 Volt.....	6,570.22	270.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	162.10	
26 24 13 00-0099	EA	600 - 1,200 Amp MC Branch Breaker, 120/208 Volt.....	10,639.21	481.55
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	288.93	
26 24 13 00-0100		Fusible Switch Type 277/480 Volt, 3 Phase, 4 Wire <small>(26 24 13)</small>		
26 24 13 00-0101		Incoming Service Section Main Device Only <small>(26 24 13 00-0100)</small>		
Note: Copper bus, non-metering type, with fuses.				
26 24 13 00-0102	EA	400 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire.....	4,700.65	1,157.63
26 24 13 00-0103	EA	600 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire.....	5,171.49	1,230.88
26 24 13 00-0104	EA	800 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire.....	7,470.22	1,373.89
26 24 13 00-0105	EA	1,200 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire.....	8,175.24	1,471.07
26 24 13 00-0106	EA	400 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	6,092.93	1,157.63
26 24 13 00-0107	EA	600 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	8,292.07	1,230.88
26 24 13 00-0108	EA	800 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	9,401.27	1,375.43
26 24 13 00-0109	EA	1,200 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	11,952.87	1,471.07
26 24 13 00-0110	EA	1,600 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	12,497.32	1,568.64
26 24 13 00-0111	EA	2,000 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	13,913.26	1,666.10
26 24 13 00-0112	EA	400 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	2,548.63	747.89
26 24 13 00-0113	EA	600 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	2,861.63	796.23
26 24 13 00-0114	EA	800 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	3,340.30	916.57
26 24 13 00-0115	EA	1,000 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	3,603.53	955.08
26 24 13 00-0116	EA	1,200 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	3,858.78	989.53
26 24 13 00-0117	EA	1,600 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	4,192.81	1,060.94
26 24 13 00-0118	EA	2,000 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	4,531.35	1,133.70
26 24 13 00-0119		Branch Breaker Units <small>(26 24 13 00-0100)</small>		
Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 480 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.				
26 24 13 00-0120	EA	15 - 60 Amp MC Branch Breaker, 480 / 277 Volt.....	682.64	29.44
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.66	
26 24 13 00-0121	EA	70 - 100 Amp MC Branch Breaker, 480 / 277 Volt.....	782.96	46.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.79	
26 24 13 00-0122	EA	125 - 225 Amp MC Branch Breaker, 480 / 277 Volt.....	1,419.76	84.44
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.66	
26 24 13 00-0123	EA	100 - 400 Amp MC Branch Breaker, 480 / 277 Volt.....	2,299.30	110.01
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.01	
26 24 13 00-0124	EA	300 - 600 Amp MC Branch Breaker, 480 / 277 Volt.....	5,507.30	270.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	162.10	
26 24 13 00-0125	EA	400 - 800 Amp MC Branch Breaker, 480 / 277 Volt.....	5,635.38	270.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	162.10	
26 24 13 00-0126	EA	600 - 1,200 Amp MC Branch Breaker, 480 / 277 Volt.....	9,027.36	481.55
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	288.93	
26 24 13 00-0127		Fusible Branch Circuit Switch <small>(26 24 13)</small>		
Note: Includes switch fuses, and portion of distribution section occupied by that branch device.				
26 24 13 00-0128		240 Volt, 2 Pole Twin Branch Switch Units <small>(26 24 13 00-0127)</small>		
26 24 13 00-0129	EA	30/30 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit.....	689.08	75.76
		<i>For Electrical Interlock Kit, Add</i>	290.80	
26 24 13 00-0130	EA	30/60 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit.....	686.59	75.76
		<i>For Electrical Interlock Kit, Add</i>	290.80	
26 24 13 00-0131	EA	60/60 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit.....	686.59	75.76
		<i>For Electrical Interlock Kit, Add</i>	290.80	
26 24 13 00-0132	EA	60/100 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit.....	1,083.55	99.88
		<i>For Electrical Interlock Kit, Add</i>	290.80	
26 24 13 00-0133	EA	100/100 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit.....	1,083.55	99.88
		<i>For Electrical Interlock Kit, Add</i>	290.80	
26 24 13 00-0134		240 Volt, 2 Pole Single Branch Switch Units <small>(26 24 13 00-0127)</small>		
26 24 13 00-0135	EA	100 Amp, 240 Volt, 2 Pole Single Branch Switch Unit.....	792.11	74.30
		<i>For Electrical Interlock Kit, Add</i>	278.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0136 EA 200 Amp, 240 Volt, 2 Pole Single Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,165.67 278.58	74.30
26 24 13 00-0137 EA 400 Amp, 240 Volt, 2 Pole Single Branch Switch Unit.....	2,993.22	200.24
26 24 13 00-0138 240 Volt, 3 Pole Twin Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0139 EA 30/30 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	886.70 290.80	85.40
26 24 13 00-0140 EA 30/60 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	884.22 290.80	85.40
26 24 13 00-0141 EA 60/60 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	884.22 290.80	85.40
26 24 13 00-0142 EA 60/100 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,336.48 290.80	114.35
26 24 13 00-0143 EA 100/100 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,336.48 290.80	114.35
26 24 13 00-0144 240 Volt, 3 Pole Single Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0145 EA 100 Amp, 240 Volt, 3 Pole Single Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	961.26 290.80	83.96
26 24 13 00-0146 EA 200 Amp, 240 Volt, 3 Pole Single Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,570.22 278.58	83.96
26 24 13 00-0147 EA 400 Amp, 240 Volt, 3 Pole Single Branch Switch Unit.....	4,022.71	224.17
26 24 13 00-0148 EA 600 Amp, 240 Volt, 3 Pole Single Branch Switch Unit.....	5,754.99	287.19
26 24 13 00-0149 EA 800 Amp, 240 Volt, 3 Pole Single Branch Switch Unit.....	10,757.38	389.10
26 24 13 00-0150 600 Volt, 3 Pole Twin Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0151 EA 30/30 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,263.80 290.80	85.40
26 24 13 00-0152 EA 30/60 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,261.28 290.80	85.40
26 24 13 00-0153 EA 60/60 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,263.80 290.80	85.40
26 24 13 00-0154 EA 60/100 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,905.45 290.80	114.35
26 24 13 00-0155 EA 100/100 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,947.56 290.80	114.35
26 24 13 00-0156 EA 200/200 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	4,176.39 290.80	149.58
26 24 13 00-0157 600 Volt, 3 Pole, Single Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0158 EA 100 Amp, 600 Volt, 3 Pole Single Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,367.40 290.80	83.96
26 24 13 00-0159 EA 200 Amp, 600 Volt, 3 Pole Single Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	2,085.84 278.58	83.96
26 24 13 00-0160 EA 400 Amp, 600 Volt, 3 Pole Single Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	5,068.60 278.58	224.17
26 24 13 00-0161 EA 600 Amp, 600 Volt, 3 Pole Single Branch Switch Unit.....	6,150.87	287.19
26 24 13 00-0162 EA 800 Amp, 600 Volt, 3 Pole Single Branch Switch Unit.....	10,757.38	389.10
26 24 13 00-0163 Service And Distribution Structures (26 24 13)		
26 24 13 00-0164 Distribution Section 600 Volts, 250 Volts DC (26 24 13 00-0163)		
26 24 13 00-0165 600 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0166 EA 14 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	2,342.93	887.82
26 24 13 00-0167 EA 24 - 30 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	2,814.30	887.82
26 24 13 00-0168 EA 34 - 38 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,133.68	1,129.07
26 24 13 00-0169 EA 42 - 48 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,445.44	1,129.07
26 24 13 00-0170 800 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0171 EA 14 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	2,626.65	1,027.75
26 24 13 00-0172 EA 24 - 30 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,085.69	1,027.75
26 24 13 00-0173 EA 34 - 38 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,445.44	1,273.82
26 24 13 00-0174 EA 42 - 48 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,725.50	1,273.82
26 24 13 00-0175 1,200 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0176 EA 14 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,065.77	1,254.52
26 24 13 00-0177 EA 24 - 30 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,535.35	1,254.52
26 24 13 00-0178 EA 34 - 38 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,916.97	1,544.03
26 24 13 00-0179 EA 42 - 48 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	4,327.27	1,544.03
26 24 13 00-0180 1,600 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0181 EA 14 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,840.04	1,375.15

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0182 EA 24 - 30 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	4,393.95	1,375.15
26 24 13 00-0183 EA 34 - 38 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	4,845.49	1,698.43
26 24 13 00-0184 EA 42 - 48 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	5,202.91	1,698.43
26 24 13 00-0185 2,000 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0186 EA 14 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	4,018.94	1,379.97
26 24 13 00-0187 EA 24 - 30 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	4,614.88	1,553.68
26 24 13 00-0188 EA 34 - 38 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	4,721.77	1,553.68
26 24 13 00-0189 EA 42 - 48 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	4,911.14	1,640.53
26 24 13 00-0190 3,000 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0191 EA 24 - 30 Watt Distribution Section, 3,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	5,631.07	1,553.68
26 24 13 00-0192 EA 34 - 38 Watt Distribution Section, 3,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	5,736.36	1,553.68
26 24 13 00-0193 EA 42 - 48 Watt Distribution Section, 3,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	5,925.73	1,640.53
26 24 13 00-0194 4,000 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0195 EA 24 - 30 Watt Distribution Section, 4,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	5,754.79	1,640.53
26 24 13 00-0196 EA 34 - 38 Watt Distribution Section, 4,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	5,925.73	1,640.53
26 24 13 00-0197 EA 42 - 48 Watt Distribution Section, 4,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	5,994.11	1,640.53
26 24 13 00-0198 Pull Boy, Horizontal Mounted Across Top Of Switch Board (26 24 13 00-0164)		
26 24 13 00-0199 EA 18 - 24" Wide, 30" High, Open Bottom, Pull Boy Horizontal Mounted, Top Of Switchboard.....	518.12	115.80
26 24 13 00-0200 EA Drilled Bottom.....	583.75	115.80
26 24 13 00-0201 EA Cable Supports In Pull Box.....	213.14	28.95
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.08	
26 24 13 00-0202 Underground Pull Sections (26 24 13 00-0164)		
Note: Excludes no bus or terminal.		
26 24 13 00-0203 EA 12 - 20" Wide, 15 - 20" Deep Underground Pull Section Without Bus Or Terminal.....	497.60	135.10
26 24 13 00-0204 EA 24 - 28" Wide, 20" Deep Underground Pull Section Without Bus Or Terminal.....	871.45	173.70
26 24 13 00-0205 EA 24 - 28" Wide, 30" Deep Underground Pull Section Without Bus Or Terminal.....	871.45	173.70
26 24 13 00-0206 EA 14 - 20" Wide, 36" Deep Underground Pull Section Without Bus Or Terminal.....	648.89	135.10
26 24 13 00-0207 EA 28 - 30" Wide, 36" Deep Underground Pull Section Without Bus Or Terminal.....	935.22	197.83
26 24 13 00-0208 EA 14 - 20" Wide, 42 - 60" Deep Underground Pull Section Without Bus Or Terminal.....	1,064.74	197.83
26 24 13 00-0209 EA 26 - 30" Wide, 42 - 60" Deep Underground Pull Section Without Bus Or Terminal.....	1,112.65	255.73
26 24 13 00-0210 EA 38" Wide, 42 - 60" Deep Underground Pull Section Without Bus Or Terminal.....	1,171.04	255.73
26 24 13 00-0211 Switchboard Sections (26 24 13 00-0163)		
26 24 13 00-0212 EA 600 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	4,050.94	804.15
26 24 13 00-0213 EA 800 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	4,438.60	874.11
26 24 13 00-0214 EA 1,200 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	5,561.40	1,116.91
26 24 13 00-0215 EA 1,600 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	6,083.09	1,218.43
26 24 13 00-0216 EA 2,000 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	6,488.12	1,297.08
26 24 13 00-0217 EA 400 Amp Switchboard Incoming For Switch Circuit Section 480 Volt.....	4,880.02	705.43
26 24 13 00-0218 EA Distribution Section Subfeeder Lug-Rated At 200 Amp.....	2,713.81	670.11
26 24 13 00-0219 EA Distribution Section Subfeeder Lug-Rated At 400 Amp.....	3,010.92	726.66
26 24 13 00-0220 EA Distribution Section Aluminum Bus 120/208 Or 277/480 Volt, 4 Wire.....	4,571.64	804.15
26 24 13 00-0221 EA 800 Amp Switchboard Distribution Section Aluminum Bus Less Breaker.....	4,934.66	806.27
26 24 13 00-0222 EA 1,000 Amp Switchboard Distribution Section Aluminum Bus Less Breaker.....	5,429.64	900.17
26 24 13 00-0223 EA 15 To 60 Amp, 240 Volt, 1 Phase, Feed Section Circuit Breaker FA Frame.....	149.21	48.25
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.47	
26 24 13 00-0224 EA 70 To 100 Amp, 240 Volt, 3 Phase, Feed Section Circuit Breaker FA Frame.....	182.58	49.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.81	
26 24 13 00-0225 EA 70 To 225 Amp, 480 Volt, 3 Phase, Feed Section Circuit Breaker KA Frame.....	880.10	58.00
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.00	
26 24 13 00-0226 EA 125 To 400 Amp, 480 Volt, 3 Phase, Feed Section Circuit Breaker LA Frame.....	1,466.76	124.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	104.44	
26 24 13 00-0227 EA 100 Amp, Switchboard Feed Section Branch Circuit Breaker, 240 Volt HIC 3 Phase.....	576.28	174.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.32	
26 24 13 00-0228 EA 225 Amp, Switchboard Feed Section Branch Circuit Breaker, 240 Volt HIC 3 Phase.....	1,665.99	100.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.00	
26 24 13 00-0229 Switchboard, Structure Per Section Copper, 480 Volt (26 24 13 00-0163)		
26 24 13 00-0230 EA 225 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	2,099.51	418.81
26 24 13 00-0231 EA 400 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	2,993.64	566.37
26 24 13 00-0232 EA 600 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	3,345.40	689.31
26 24 13 00-0233 EA 800 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	4,195.76	965.01
26 24 13 00-0234 EA 1,200 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	5,196.75	1,206.27
26 24 13 00-0235 EA 1,600 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	5,757.56	1,206.27
26 24 13 00-0236 EA 2,000 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	7,078.90	1,608.39
26 24 13 00-0237 EA 2,500 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	8,154.23	1,608.39
26 24 13 00-0238 EA 3,000 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	9,583.02	1,914.69
26 24 13 00-0239 EA 4,000 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	11,561.73	1,914.69



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0240 Main Devices <small>(26 24 13)</small>		
26 24 13 00-0241 Power Circuit Breakers <small>(26 24 13 00-0240)</small>		
26 24 13 00-0242 DSL Breaker With Current Limiters And Amptector <small>(26 24 13 00-0241)</small>		
Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0243 EA 50 - 800 Amp DSL-206, Main Breaker With Current Limiter, Amptector Static Trip.....	7,481.25	1,013.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	606.68	
26 24 13 00-0244 EA 50 - 1,600 Amp DSL-416, Main Breaker With Current Limiter, Amptector Static Trip.....	13,690.78	1,688.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	1,012.26	
26 24 13 00-0245 EA 1,200 - 3,200 Amp DSL-632, Main Breaker With Current Limiter, Amptector Static Trip.....	31,080.90	2,837.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	1,687.09	
26 24 13 00-0246 EA 4,000 Amp DSL-840, Main Breaker With Current Limiter, Amptector Static Trip.....	50,033.42	4,593.48
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	2,805.28	
26 24 13 00-0247 EA Ground-Fault Trip All Power Breakers - Factory Installed.....	2,692.81	
26 24 13 00-0248 EA Key Interlock All Power Breakers - Factory Installed.....	347.77	
26 24 13 00-0249 EA Short Time Delay Selective Trip - Factory Installed.....	456.25	
26 24 13 00-0250 EA Shunt Trip Manually Open Breakers - Factory Installed.....	328.62	
26 24 13 00-0251 DSL Breaker Electrical Operated And Amptector <small>(26 24 13 00-0241)</small>		
Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0252 EA 50 - 800 Amp DSL-206, Main Breaker, Electrical Operated With Amptector Static Trip.....	8,794.94	1,061.52
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	639.93	
26 24 13 00-0253 EA 50 - 1,600 Amp DSL-416, Main Breaker, Electrical Operated With Amptector Static Trip.....	16,388.59	1,785.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	1,065.92	
26 24 13 00-0254 EA 1,200 - 3,200 Amp DSL-632, Main Breaker, Electrical Operated With Amptector Static Trip.....	34,967.69	2,943.30
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	1,773.93	
26 24 13 00-0255 EA 4,000 Amp DSL-840, Main Breaker, Electrical Operated With Amptector Static Trip.....	53,910.43	4,825.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	2,966.24	
26 24 13 00-0256 DS Breakers With Amptector Static Trip, Manually Operated <small>(26 24 13 00-0241)</small>		
Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted manually operated.		
26 24 13 00-0257 EA 50 - 800 Amp DS-206, Main Breaker With Groundfault, Amptector Static Trip.....	5,923.73	926.42
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	556.74	
26 24 13 00-0258 EA 50 - 1,600 Amp DS-416, Main Breaker With Groundfault, Amptector Static Trip.....	10,876.30	1,553.68
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	927.90	
26 24 13 00-0259 EA 2,000 Amp DS-420, Main Breaker With Groundfault, Amptector Static Trip.....	16,049.08	2,605.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	1,546.50	
26 24 13 00-0260 EA 1,200 - 3,200 AMP DS-632, Main Breaker With Groundfault, Amptector Static Trip.....	27,736.73	4,197.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	2,575.67	
26 24 13 00-0261 EA 4,000 Amp DS-840, Main Breaker With Groundfault, Amptector Static Trip.....	45,099.14	6,851.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4,282.62	
26 24 13 00-0262 DS Breakers With Amptector Static Trip, Electrically Operated <small>(26 24 13 00-0241)</small>		
Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted electrical operated.		
26 24 13 00-0263 EA 50 - 800 Amp DS-206, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	7,040.78	887.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	531.01	
26 24 13 00-0264 EA 50 - 1,600 Amp DS-416, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	13,184.55	1,486.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	884.80	
26 24 13 00-0265 EA 2,000 Amp DS-420, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	18,684.32	2,470.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	1,477.07	
26 24 13 00-0266 EA 1,200 - 3,200 Amp DS-632, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	30,826.80	4,024.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	2,461.78	
26 24 13 00-0267 EA 4,000 Amp DS-840, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	48,096.79	6,899.87
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4,112.29	
26 24 13 00-0268 Molded Case Circuit Breakers Conventional <small>(26 24 13 00-0241)</small>		
26 24 13 00-0269 EA 70 - 225 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	2,419.52	810.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	466.94	
26 24 13 00-0270 EA 125 - 400 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	3,612.12	810.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	507.90	
26 24 13 00-0271 EA 300 - 600 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	4,009.41	965.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	556.74	
26 24 13 00-0272 EA 400 - 800 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	4,791.00	965.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	603.14	
26 24 13 00-0273 EA 600 - 1,200 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	7,209.18	1,158.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	660.97	
26 24 13 00-0274 EA 1,000 - 2,000 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	11,793.15	1,158.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	731.07	
26 24 13 00-0275 EA Shunt Trip, Factory Installed.....	344.58	
26 24 13 00-0276 EA Groundfault Trip Complete Interrupting Circuit, Factory Installed.....	79.76	
26 24 13 00-0277 Switchboard Branch Breaker 480 Volt <small>(26 24 13 00-0240)</small>		

26	26	Electrical
	26 20	Low-Voltage Electrical Distribution
	26 24	Switchboards And Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0278	EA		60 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	527.40 41.96	69.96
26 24 13 00-0279	EA		100 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	619.41 55.67	92.84
26 24 13 00-0280	EA		225 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,824.43 83.87	139.74
26 24 13 00-0281	EA		400 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,414.02 105.20	175.35
26 24 13 00-0282	EA		600 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,915.89 141.08	235.17
26 24 13 00-0283	EA		800 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,516.97 180.94	301.57
26 24 13 00-0284	EA		1,000 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,663.47 275.72	459.54
26 24 13 00-0285	EA		1,200 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,663.47 275.72	459.54
26 24 13 00-0286	EA		1,600 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,943.66 386.01	643.38
26 24 13 00-0287	EA		2,000 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,869.99 579.01	965.01
26 24 13 00-0288	Switchboard 277/480 Volt Main Breaker (26 24 13 00-0240)				
26 24 13 00-0289	EA		400 Amp, Switchboard 277/480 Volt Main Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,459.02 251.31	418.81
26 24 13 00-0290	EA		600 Amp, Switchboard 277/480 Volt Main Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,538.64 275.19	458.67
26 24 13 00-0291	EA		800 Amp, Switchboard 277/480 Volt Main Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,999.93 413.58	689.31
26 24 13 00-0292	EA		1,200 Amp, Switchboard 277/480 Volt Main Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,028.58 579.01	965.01
26 24 13 00-0293	EA		1,600 Amp, Switchboard 277/480 Volt Main Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,233.54 640.50	1,067.50
26 24 13 00-0294	EA		2,000 Amp, Switchboard 277/480 Volt Main Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,019.11 1,148.83	1,914.69
26 24 13 00-0295	Branch Or Distribution Devices (26 24 13)				
26 24 13 00-0296	3 Pole, Panel Mounted, Molded Case Circuit Breakers (26 24 13 00-0295) Note: Includes certified refurbished circuit breakers.				
26 24 13 00-0297	EA		15 - 60 Amp, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	379.46 23.16	34.74
26 24 13 00-0298	EA		70 - 100 Amp, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	388.19 28.95	43.42
26 24 13 00-0299	EA		125 - 150 Amp, 600 Volt, Type FB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	902.94 34.74	52.11
26 24 13 00-0300	EA		70 - 225 Amp, 600 Volt, Type JDB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,304.43 44.87	67.55
26 24 13 00-0301	EA		125 - 400 Amp, 600 Volt, Type LBB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,832.24 55.59	83.38
26 24 13 00-0302	EA		300 - 600 Amp, 600 Volt, Type LC, 3 Pole, Panel Mounted, Molded Case Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,392.94 65.14	97.47
26 24 13 00-0303	EA		900 - 1,000 Amp, 600 Volt, Type NB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,629.80 73.53	110.01
26 24 13 00-0304	2 Pole, Panel Mounted, Molded Case Circuit Breakers (26 24 13 00-0295) Note: Includes certified refurbished circuit breakers.				
26 24 13 00-0305	EA		15 - 60 Amp, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	262.72 17.37	26.06
26 24 13 00-0306	EA		70 - 100 Amp, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	338.30 23.16	34.74
26 24 13 00-0307	EA		125 - 150 Amp, 600 Volt, Type FB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	894.69 28.95	43.42
26 24 13 00-0308	EA		70 - 225 Amp, 600 Volt, Type JDB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,405.03 31.85	48.25
26 24 13 00-0309	EA		125 - 400 Amp, 600 Volt, Type LBB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,492.17 41.98	62.73
26 24 13 00-0310	EA		900 - 1,000 Amp, 600 Volt, Type NB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,351.18 60.80	91.20
26 24 13 00-0311	Meter Devices And Instrumentation (26 24 13) Note: Factory installed accessories.				
26 24 13 00-0312	Instrument Transformers And Metering Compartments (26 24 13 00-0311)				
26 24 13 00-0313	EA		800 Amp And Below Primary Current Transformer, With Compartment.....	416.36	
26 24 13 00-0314	EA		1,000 - 1,500 Amp Primary Current Transformer, With Compartment.....	601.42	
26 24 13 00-0315	EA		2,000 - 6,000 Amp Primary Current Transformer, With Compartment.....	708.30	
26 24 13 00-0316	EA		Potential Transformer With 200 VA Max.....	510.49	
26 24 13 00-0317	EA		5 To 800 Amp, Three Current Transformers.....	1,682.21	
26 24 13 00-0318	EA		1,000 To 1,500 Amp, Three Current Transformers.....	3,007.35	
26 24 13 00-0319	EA		2,000 To 4,000 Amp, Three Current Transformers.....	3,913.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 13 00-0320	Instruments <small>(26 24 13 00-0311)</small>		
26 24 13 00-0321	EA AC Voltmeter	567.91	
26 24 13 00-0322	EA AC Ammeter	567.91	
26 24 13 00-0323	EA AC Wattmeter	1,517.10	
26 24 13 00-0324	EA Variometer	1,713.32	
26 24 13 00-0325	EA Power Factor Meter	1,368.74	
26 24 13 00-0326	EA Frequency Meter.....	1,510.72	
26 24 13 00-0327	EA AC Watt-hour Meter Indicating 1 Or 2 Element With Test Block And Plug Block.....	1,922.30	
26 24 13 00-0328	EA AC Watt-hour Meter Recording 2 Element With Recording KW Demand Type R-2.....	3,216.06	
26 24 13 00-0329	EA Weatherproof, Modify Meter	3,024.05	
26 24 13 00-0330	EA Control Switch Resistor Type 130 V	68.86	
26 24 13 00-0331	EA Metering Instrument Volt, Amp And Watt Hour	3,879.38	
26 24 16	Panelboards <small>(26 24)</small>		
26 24 16 00-0001	Branch Circuit Panelboard <small>(26 24 16)</small>		
	Note: Includes wiring connections, drilling hole (or removing knock-out on residential units), labeling and testing. All NEMA 3R panelboards include weatherproof hubs. Copper bussing. Panelboards with less than a 30 circuit capacity do not have the door in a door trim front option.		
26 24 16 00-0002	Assembled Lighting And Power Panelboards <small>(26 24 16 00-0001)</small>		
	Note: Includes main lugs or breaker (as indicated). 20 Amp, 1 pole branch circuit plug-on breakers (the number of which is indicated). Panelboard box, trim and connection of main service cable from meter.		
26 24 16 00-0003	120/240 Volt, 3 Wire, 1 Phase, Main Lugs Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0004	EA 100 Amp Rating, 8 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity	1,107.30	275.03
	<i>For NEMA 3R Panelboard, Add</i>	<i>845.98</i>	
26 24 16 00-0005	EA 100 Amp Rating, 10 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,255.20	275.03
	<i>For NEMA 3R Panelboard, Add</i>	<i>845.98</i>	
26 24 16 00-0006	EA 100 Amp Rating, 12 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,422.52	381.18
	<i>For NEMA 3R Panelboard, Add</i>	<i>845.98</i>	
26 24 16 00-0007	EA 100 Amp Rating, 14 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,592.99	381.18
	<i>For NEMA 3R Panelboard, Add</i>	<i>845.98</i>	
26 24 16 00-0008	EA 100 Amp Rating, 16 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,752.46	477.69
	<i>For NEMA 3R Panelboard, Add</i>	<i>845.98</i>	
26 24 16 00-0009	EA 100 Amp Rating, 18 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity	1,916.11	477.69
	<i>For NEMA 3R Panelboard, Add</i>	<i>845.98</i>	
26 24 16 00-0010	EA 100 Amp Rating, 20 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity	2,074.54	550.06
	<i>For NEMA 3R Panelboard, Add</i>	<i>845.98</i>	
26 24 16 00-0011	EA 225 Amp Rating, 22 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	2,486.74	704.46
	<i>For NEMA 3R Panelboard, Add</i>	<i>930.34</i>	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>67.98</i>	
26 24 16 00-0012	EA 225 Amp Rating, 24 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	2,613.95	704.46
	<i>For NEMA 3R Panelboard, Add</i>	<i>930.34</i>	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>67.98</i>	
26 24 16 00-0013	EA 225 Amp Rating, 26 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	2,740.81	805.79
	<i>For NEMA 3R Panelboard, Add</i>	<i>930.34</i>	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>67.98</i>	
26 24 16 00-0014	EA 225 Amp Rating, 28 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	2,946.40	805.79
	<i>For NEMA 3R Panelboard, Add</i>	<i>1,098.96</i>	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>116.10</i>	
26 24 16 00-0015	EA 225 Amp Rating, 30 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	3,074.01	907.11
	<i>For NEMA 3R Panelboard, Add</i>	<i>1,098.96</i>	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>116.10</i>	
26 24 16 00-0016	EA 225 Amp Rating, 32 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	3,261.72	907.11
	<i>For NEMA 3R Panelboard, Add</i>	<i>1,098.96</i>	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>116.10</i>	
26 24 16 00-0017	EA 225 Amp Rating, 34 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	3,374.28	1,003.62
	<i>For NEMA 3R Panelboard, Add</i>	<i>1,098.96</i>	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>116.10</i>	
26 24 16 00-0018	EA 225 Amp Rating, 36 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	3,565.95	1,003.62
	<i>For NEMA 3R Panelboard, Add</i>	<i>1,098.96</i>	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>116.10</i>	
26 24 16 00-0019	EA 225 Amp Rating, 38 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	3,739.42	1,109.77
	<i>For NEMA 3R Panelboard, Add</i>	<i>1,098.96</i>	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>116.10</i>	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0020	EA		225 Amp Rating, 40 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	3,861.81	1,109.77
			<i>For NEMA 3R Panelboard, Add</i>	1,143.79	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	148.39	
26 24 16 00-0021	EA		225 Amp Rating, 42 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	4,033.91	1,109.77
			<i>For NEMA 3R Panelboard, Add</i>	1,143.79	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	148.39	
26 24 16 00-0022			120/240 Volt, 3 Wire, 1 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0023	EA		50 Amp Rating, 8 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity.....	1,326.57	265.38
			<i>For NEMA 3R Panelboard, Add</i>	845.98	
26 24 16 00-0024	EA		50 Amp Rating, 10 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity.....	1,476.56	265.38
			<i>For NEMA 3R Panelboard, Add</i>	845.98	
26 24 16 00-0025	EA		100 Amp Rating, 12 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity.....	1,816.79	453.56
			<i>For NEMA 3R Panelboard, Add</i>	845.98	
26 24 16 00-0026	EA		100 Amp Rating, 14 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity.....	2,062.07	453.56
			<i>For NEMA 3R Panelboard, Add</i>	845.98	
26 24 16 00-0027	EA		100 Amp Rating, 16 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity.....	2,224.85	554.89
			<i>For NEMA 3R Panelboard, Add</i>	845.98	
26 24 16 00-0028	EA		100 Amp Rating, 18 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity.....	2,394.22	554.89
			<i>For NEMA 3R Panelboard, Add</i>	845.98	
26 24 16 00-0029	EA		100 Amp Rating, 20 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity.....	2,545.35	665.86
			<i>For NEMA 3R Panelboard, Add</i>	845.98	
26 24 16 00-0030	EA		225 Amp Rating, 22 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 30 Circuit Capacity.....	3,083.70	665.86
			<i>For NEMA 3R Panelboard, Add</i>	930.34	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
26 24 16 00-0031	EA		225 Amp Rating, 24 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 30 Circuit Capacity.....	3,217.46	815.44
			<i>For NEMA 3R Panelboard, Add</i>	930.34	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
26 24 16 00-0032	EA		225 Amp Rating, 26 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 30 Circuit Capacity.....	3,362.17	815.44
			<i>For NEMA 3R Panelboard, Add</i>	930.34	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
26 24 16 00-0033	EA		225 Amp Rating, 28 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	3,520.00	916.76
			<i>For NEMA 3R Panelboard, Add</i>	1,098.96	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0034	EA		225 Amp Rating, 30 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	3,649.28	916.76
			<i>For NEMA 3R Panelboard, Add</i>	1,098.96	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0035	EA		225 Amp Rating, 32 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	3,786.67	1,003.62
			<i>For NEMA 3R Panelboard, Add</i>	1,098.96	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0036	EA		225 Amp Rating, 34 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	3,933.40	1,003.62
			<i>For NEMA 3R Panelboard, Add</i>	1,098.96	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0037	EA		225 Amp Rating, 36 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	4,091.02	1,186.97
			<i>For NEMA 3R Panelboard, Add</i>	1,098.96	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0038	EA		225 Amp Rating, 38 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	4,261.37	1,186.97
			<i>For NEMA 3R Panelboard, Add</i>	1,098.96	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0039	EA		225 Amp Rating, 40 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity.....	4,446.77	1,186.97
			<i>For NEMA 3R Panelboard, Add</i>	1,143.79	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	148.39	
26 24 16 00-0040	EA		225 Amp Rating, 42 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity.....	4,563.22	1,254.52
			<i>For NEMA 3R Panelboard, Add</i>	1,143.79	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	148.39	
26 24 16 00-0041			120/208 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0042	EA		100 Amp Rating, 8 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity.....	1,340.44	313.63
			<i>For NEMA 3R Panelboard, Add</i>	845.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0043 EA 100 Amp Rating, 10 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,501.17	313.63
<i>For NEMA 3R Panelboard, Add</i>	845.98	
26 24 16 00-0044 EA 100 Amp Rating, 12 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,684.29	419.79
<i>For NEMA 3R Panelboard, Add</i>	845.98	
26 24 16 00-0045 EA 100 Amp Rating, 14 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,877.60	419.79
<i>For NEMA 3R Panelboard, Add</i>	845.98	
26 24 16 00-0046 EA 100 Amp Rating, 16 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	2,050.28	516.28
<i>For NEMA 3R Panelboard, Add</i>	845.98	
26 24 16 00-0047 EA 100 Amp Rating, 18 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity	2,234.46	516.28
<i>For NEMA 3R Panelboard, Add</i>	845.98	
26 24 16 00-0048 EA 100 Amp Rating, 20 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity	2,408.49	612.79
<i>For NEMA 3R Panelboard, Add</i>	845.98	
26 24 16 00-0049 EA 100 Amp Rating, 22 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	2,586.42	612.79
<i>For NEMA 3R Panelboard, Add</i>	930.34	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
26 24 16 00-0050 EA 100 Amp Rating, 24 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	2,754.01	718.94
<i>For NEMA 3R Panelboard, Add</i>	930.34	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
26 24 16 00-0051 EA 100 Amp Rating, 26 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	2,947.08	718.94
<i>For NEMA 3R Panelboard, Add</i>	930.34	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
26 24 16 00-0052 EA 100 Amp Rating, 28 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	3,141.92	829.92
<i>For NEMA 3R Panelboard, Add</i>	930.34	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
26 24 16 00-0053 EA 100 Amp Rating, 30 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	3,334.93	829.92
<i>For NEMA 3R Panelboard, Add</i>	930.34	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
26 24 16 00-0054 EA 225 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	3,714.76	1,003.62
<i>For NEMA 3R Panelboard, Add</i>	1,098.96	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0055 EA 225 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	3,842.20	1,003.62
<i>For NEMA 3R Panelboard, Add</i>	1,098.96	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0056 EA 225 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	4,068.43	1,114.59
<i>For NEMA 3R Panelboard, Add</i>	1,098.96	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0057 EA 225 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	4,270.77	1,114.59
<i>For NEMA 3R Panelboard, Add</i>	1,098.96	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0058 EA 225 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity	4,416.50	1,215.92
<i>For NEMA 3R Panelboard, Add</i>	1,143.79	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	148.39	
26 24 16 00-0059 EA 225 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity	4,615.60	1,215.92
<i>For NEMA 3R Panelboard, Add</i>	1,143.79	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	148.39	
26 24 16 00-0060 EA 400 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	4,524.61	1,078.89
<i>For NEMA 3R Panelboard, Add</i>	1,098.96	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0061 EA 400 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	4,665.35	1,133.90
<i>For NEMA 3R Panelboard, Add</i>	1,098.96	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0062 EA 400 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	4,901.25	1,194.21
<i>For NEMA 3R Panelboard, Add</i>	1,098.96	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0063 EA 400 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	5,118.02	1,264.17
<i>For NEMA 3R Panelboard, Add</i>	1,098.96	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0064 EA 400 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity	5,272.07	1,302.77
<i>For NEMA 3R Panelboard, Add</i>	1,143.79	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	148.39	
26 24 16 00-0065 EA 400 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity	5,515.82	1,382.39
<i>For NEMA 3R Panelboard, Add</i>	1,143.79	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	148.39	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0066			120/208 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0066)</small>		
26 24 16 00-0067	EA		50 Amp Rating, 8 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity.....	1,611.98	303.98
			<i>For NEMA 3R Panelboard, Add</i>	845.98	
26 24 16 00-0068	EA		50 Amp Rating, 10 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity.....	1,774.67	303.98
			<i>For NEMA 3R Panelboard, Add</i>	845.98	
26 24 16 00-0069	EA		50 Amp Rating, 12 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity.....	1,969.88	400.48
			<i>For NEMA 3R Panelboard, Add</i>	845.98	
26 24 16 00-0070	EA		50 Amp Rating, 14 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity.....	2,247.43	400.48
			<i>For NEMA 3R Panelboard, Add</i>	845.98	
26 24 16 00-0071	EA		100 Amp Rating 16 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity.....	2,635.55	603.14
			<i>For NEMA 3R Panelboard, Add</i>	845.98	
26 24 16 00-0072	EA		100 Amp Rating, 18 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity.....	2,804.75	603.14
			<i>For NEMA 3R Panelboard, Add</i>	845.98	
26 24 16 00-0073	EA		100 Amp Rating, 20 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity.....	2,986.93	704.46
			<i>For NEMA 3R Panelboard, Add</i>	845.98	
26 24 16 00-0074	EA		100 Amp Rating, 22 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity.....	3,137.34	704.46
			<i>For NEMA 3R Panelboard, Add</i>	930.34	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
26 24 16 00-0075	EA		100 Amp Rating, 24 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity.....	3,342.36	815.44
			<i>For NEMA 3R Panelboard, Add</i>	930.34	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
26 24 16 00-0076	EA		100 Amp Rating, 26 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity.....	3,480.00	815.44
			<i>For NEMA 3R Panelboard, Add</i>	930.34	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
26 24 16 00-0077	EA		100 Amp Rating, 28 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity.....	3,708.89	916.76
			<i>For NEMA 3R Panelboard, Add</i>	930.34	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
26 24 16 00-0078	EA		100 Amp Rating, 30 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity.....	3,906.78	916.76
			<i>For NEMA 3R Panelboard, Add</i>	930.34	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
26 24 16 00-0079	EA		225 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	4,602.61	1,061.52
			<i>For NEMA 3R Panelboard, Add</i>	1,098.96	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0080	EA		225 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	4,803.25	1,119.42
			<i>For NEMA 3R Panelboard, Add</i>	1,098.96	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0081	EA		225 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	4,886.86	1,119.42
			<i>For NEMA 3R Panelboard, Add</i>	1,098.96	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0082	EA		225 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	5,111.16	1,264.17
			<i>For NEMA 3R Panelboard, Add</i>	1,098.96	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0083	EA		225 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity.....	5,270.38	1,264.17
			<i>For NEMA 3R Panelboard, Add</i>	1,143.79	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	148.39	
26 24 16 00-0084	EA		225 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity.....	5,371.26	1,264.17
			<i>For NEMA 3R Panelboard, Add</i>	1,143.79	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	148.39	
26 24 16 00-0085	EA		400 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity.....	5,435.42	1,162.85
			<i>For NEMA 3R Panelboard, Add</i>	1,098.96	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0086	EA		400 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity.....	5,653.93	1,230.39
			<i>For NEMA 3R Panelboard, Add</i>	1,098.96	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0087	EA		400 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity.....	5,740.15	1,264.17
			<i>For NEMA 3R Panelboard, Add</i>	1,098.96	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0088	EA		400 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity.....	5,981.71	1,341.38
			<i>For NEMA 3R Panelboard, Add</i>	1,098.96	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0089	EA			400 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 54 Circuit Capacity.....	6,139.81	1,379.97
				<i>For NEMA 3R Panelboard, Add</i>	1,143.79	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	148.39	
26 24 16 00-0090	EA			400 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 54 Circuit Capacity.....	6,286.12	1,428.23
				<i>For NEMA 3R Panelboard, Add</i>	1,143.79	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	148.39	
26 24 16 00-0091				480 Volt, 3 Wire, 3 Phase, Main Lugs Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0092	EA			100 Amp Rating, 8 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity.....	1,523.58	308.80
				<i>For NEMA 3R Panelboard, Add</i>	845.98	
26 24 16 00-0093	EA			100 Amp Rating, 10 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,737.66	308.80
				<i>For NEMA 3R Panelboard, Add</i>	845.98	
26 24 16 00-0094	EA			100 Amp Rating, 12 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,943.47	424.61
				<i>For NEMA 3R Panelboard, Add</i>	845.98	
26 24 16 00-0095	EA			100 Amp Rating, 14 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	2,157.53	424.61
				<i>For NEMA 3R Panelboard, Add</i>	845.98	
26 24 16 00-0096	EA			100 Amp Rating, 16 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	2,358.07	530.76
				<i>For NEMA 3R Panelboard, Add</i>	845.98	
26 24 16 00-0097	EA			100 Amp Rating, 18 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity.....	2,568.67	530.76
				<i>For NEMA 3R Panelboard, Add</i>	845.98	
26 24 16 00-0098	EA			100 Amp Rating, 20 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity.....	2,787.85	641.73
				<i>For NEMA 3R Panelboard, Add</i>	845.98	
26 24 16 00-0099	EA			100 Amp Rating, 22 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	2,989.85	641.73
				<i>For NEMA 3R Panelboard, Add</i>	930.34	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
26 24 16 00-0100	EA			100 Amp Rating, 24 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	3,210.60	762.37
				<i>For NEMA 3R Panelboard, Add</i>	930.34	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
26 24 16 00-0101	EA			100 Amp Rating, 26 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	3,424.17	762.37
				<i>For NEMA 3R Panelboard, Add</i>	930.34	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
26 24 16 00-0102	EA			100 Amp Rating, 28 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	3,621.63	868.52
				<i>For NEMA 3R Panelboard, Add</i>	930.34	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
26 24 16 00-0103	EA			100 Amp Rating, 30 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	3,832.21	868.52
				<i>For NEMA 3R Panelboard, Add</i>	930.34	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
26 24 16 00-0104	EA			225 Amp Rating, 32 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	4,276.87	1,056.69
				<i>For NEMA 3R Panelboard, Add</i>	1,098.96	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0105	EA			225 Amp Rating, 34 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	4,487.23	1,056.69
				<i>For NEMA 3R Panelboard, Add</i>	1,098.96	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0106	EA			225 Amp Rating, 36 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	4,710.33	1,158.02
				<i>For NEMA 3R Panelboard, Add</i>	1,098.96	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0107	EA			225 Amp Rating, 38 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	4,876.81	1,158.02
				<i>For NEMA 3R Panelboard, Add</i>	1,098.96	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0108	EA			225 Amp Rating, 40 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	5,123.53	1,278.65
				<i>For NEMA 3R Panelboard, Add</i>	1,143.79	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	148.39	
26 24 16 00-0109	EA			225 Amp Rating, 42 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	5,303.51	1,278.65
				<i>For NEMA 3R Panelboard, Add</i>	1,143.79	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	148.39	
26 24 16 00-0110				480 Volt, 3 Wire, 3 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0111	EA			50 Amp Rating, 8 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity.....	1,944.86	328.11
				<i>For NEMA 3R Panelboard, Add</i>	845.98	
26 24 16 00-0112	EA			50 Amp Rating, 10 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity.....	2,154.37	357.06
				<i>For NEMA 3R Panelboard, Add</i>	845.98	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0113	EA		50 Amp Rating, 12 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity.....	2,366.05	443.90
			<i>For NEMA 3R Panelboard, Add</i>	845.98	
26 24 16 00-0114	EA		100 Amp Rating, 14 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity.....	2,839.99	540.41
			<i>For NEMA 3R Panelboard, Add</i>	845.98	
26 24 16 00-0115	EA		100 Amp Rating, 16 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity.....	3,040.89	598.31
			<i>For NEMA 3R Panelboard, Add</i>	845.98	
26 24 16 00-0116	EA		100 Amp Rating, 18 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity.....	3,224.84	646.56
			<i>For NEMA 3R Panelboard, Add</i>	845.98	
26 24 16 00-0117	EA		100 Amp Rating, 20 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity.....	3,426.62	704.46
			<i>For NEMA 3R Panelboard, Add</i>	845.98	
26 24 16 00-0118	EA		100 Amp Rating, 22 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity.....	3,621.13	762.37
			<i>For NEMA 3R Panelboard, Add</i>	930.34	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
26 24 16 00-0119	EA		100 Amp Rating, 24 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity.....	3,799.88	810.62
			<i>For NEMA 3R Panelboard, Add</i>	930.34	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
26 24 16 00-0120	EA		100 Amp Rating, 26 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity.....	3,990.99	858.86
			<i>For NEMA 3R Panelboard, Add</i>	930.34	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
26 24 16 00-0121	EA		100 Amp Rating, 28 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity.....	4,197.02	916.76
			<i>For NEMA 3R Panelboard, Add</i>	930.34	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
26 24 16 00-0122	EA		100 Amp Rating, 30 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity.....	4,421.34	989.14
			<i>For NEMA 3R Panelboard, Add</i>	930.34	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
26 24 16 00-0123	EA		225 Amp Rating, 32 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	5,600.58	1,100.11
			<i>For NEMA 3R Panelboard, Add</i>	1,098.96	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0124	EA		225 Amp Rating, 34 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	5,816.06	1,167.67
			<i>For NEMA 3R Panelboard, Add</i>	1,098.96	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0125	EA		225 Amp Rating, 36 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	5,971.96	1,196.62
			<i>For NEMA 3R Panelboard, Add</i>	1,098.96	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0126	EA		225 Amp Rating, 38 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	6,213.08	1,273.82
			<i>For NEMA 3R Panelboard, Add</i>	1,098.96	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0127	EA		225 Amp Rating, 40 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity.....	6,383.61	1,322.07
			<i>For NEMA 3R Panelboard, Add</i>	1,143.79	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	148.39	
26 24 16 00-0128	EA		225 Amp Rating, 42 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity.....	6,560.12	1,363.57
			<i>For NEMA 3R Panelboard, Add</i>	1,143.79	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	148.39	
26 24 16 00-0129			277/480 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards (26 24 16 00-0002)		
26 24 16 00-0130	EA		100 Amp Rating, 8 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity.....	1,863.03	337.76
			<i>For NEMA 3R Panelboard, Add</i>	845.98	
26 24 16 00-0131	EA		100 Amp Rating, 10 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	2,104.08	337.76
			<i>For NEMA 3R Panelboard, Add</i>	845.98	
26 24 16 00-0132	EA		100 Amp Rating, 12 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	2,339.26	448.73
			<i>For NEMA 3R Panelboard, Add</i>	845.98	
26 24 16 00-0133	EA		100 Amp Rating, 14 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	2,576.24	448.73
			<i>For NEMA 3R Panelboard, Add</i>	845.98	
26 24 16 00-0134	EA		100 Amp Rating, 16 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	2,816.84	554.89
			<i>For NEMA 3R Panelboard, Add</i>	845.98	
26 24 16 00-0135	EA		100 Amp Rating, 18 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity.....	3,052.76	554.89
			<i>For NEMA 3R Panelboard, Add</i>	845.98	
26 24 16 00-0136	EA		100 Amp Rating, 20 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity.....	3,292.31	665.86
			<i>For NEMA 3R Panelboard, Add</i>	845.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0137 EA 100 Amp Rating, 22 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,530.93 930.34 67.98	665.86
26 24 16 00-0138 EA 100 Amp Rating, 24 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,790.31 930.34 67.98	781.66
26 24 16 00-0139 EA 100 Amp Rating, 26 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,009.92 930.34 67.98	781.66
26 24 16 00-0140 EA 100 Amp Rating, 28 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,241.14 930.34 67.98	786.49
26 24 16 00-0141 EA 100 Amp Rating, 30 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,486.38 930.34 67.98	786.49
26 24 16 00-0142 EA 225 Amp Rating, 32 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,106.34 1,098.96 116.10	1,090.47
26 24 16 00-0143 EA 225 Amp Rating, 34 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,357.41 1,098.96 116.10	1,090.47
26 24 16 00-0144 EA 225 Amp Rating, 36 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,554.77 1,098.96 116.10	1,148.37
26 24 16 00-0145 EA 225 Amp Rating, 38 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,827.53 1,098.96 116.10	1,225.58
26 24 16 00-0146 EA 225 Amp Rating, 40 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,037.19 1,143.79 148.39	1,225.58
26 24 16 00-0147 EA 225 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,338.24 1,143.79 148.39	1,341.38
26 24 16 00-0148 277/480 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0149 EA 50 Amp Rating, 8 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	2,423.00 845.98	414.96
26 24 16 00-0150 EA 50 Amp Rating, 10 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	2,669.41 845.98	414.96
26 24 16 00-0151 EA 50 Amp Rating, 12 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	2,907.08 845.98	550.06
26 24 16 00-0152 EA 100 Amp Rating, 14 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	3,460.16 845.98	550.06
26 24 16 00-0153 EA 100 Amp Rating, 16 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	3,687.51 845.98	694.82
26 24 16 00-0154 EA 100 Amp Rating, 18 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	3,914.51 845.98	694.82
26 24 16 00-0155 EA 100 Amp Rating, 20 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	4,134.24 845.98	796.14
26 24 16 00-0156 EA 100 Amp Rating, 22 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,338.21 930.34 67.98	796.14
26 24 16 00-0157 EA 100 Amp Rating, 24 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,554.54 930.34 67.98	907.11
26 24 16 00-0158 EA 100 Amp Rating, 26 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,785.77 930.34 67.98	907.11
26 24 16 00-0159 EA 100 Amp Rating, 28 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,986.30 930.34 67.98	1,003.62

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0160 EA 100 Amp Rating, 30 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	5,196.17	1,003.62
For NEMA 3R Panelboard, Add	930.34	
For Door-In-Door (Hinged) Trim Front, Add	67.98	
26 24 16 00-0161 EA 225 Amp Rating, 32 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	6,842.77	1,186.97
For NEMA 3R Panelboard, Add	1,098.96	
For Door-In-Door (Hinged) Trim Front, Add	116.10	
26 24 16 00-0162 EA 225 Amp Rating, 34 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	7,095.50	1,186.97
For NEMA 3R Panelboard, Add	1,098.96	
For Door-In-Door (Hinged) Trim Front, Add	116.10	
26 24 16 00-0163 EA 225 Amp Rating, 36 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	7,285.13	1,297.94
For NEMA 3R Panelboard, Add	1,098.96	
For Door-In-Door (Hinged) Trim Front, Add	116.10	
26 24 16 00-0164 EA 225 Amp Rating, 38 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	7,566.17	1,297.94
For NEMA 3R Panelboard, Add	1,098.96	
For Door-In-Door (Hinged) Trim Front, Add	116.10	
26 24 16 00-0165 EA 225 Amp Rating, 40 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity	7,772.10	1,418.58
For NEMA 3R Panelboard, Add	1,143.79	
For Door-In-Door (Hinged) Trim Front, Add	148.39	
26 24 16 00-0166 EA 225 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity	7,984.61	1,418.58
For NEMA 3R Panelboard, Add	1,143.79	
For Door-In-Door (Hinged) Trim Front, Add	148.39	
26 24 16 00-0167 EA 400 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 54 Circuit Capacity	9,508.39	1,579.74
For NEMA 3R Panelboard, Add	1,143.79	
For Door-In-Door (Hinged) Trim Front, Add	148.39	
26 24 16 00-0168 EA 600 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >400 To 600 Amp Main Breaker, 54 Circuit Capacity	11,581.16	1,896.25
For NEMA 3R Panelboard, Add	1,143.79	
For Door-In-Door (Hinged) Trim Front, Add	148.39	
26 24 16 00-0169 Unassembled Lighting And Power Panelboards <small>(26 24 16 00-0001)</small> Note: Listed panelboards include the main device (lugs or breaker), connection of main service cable from meter and that portion of the panel box, trim and interior occupied by that device. Spaces include that portion of the panel box, trim and interior reserved by that space. The maximum single pole capacity of the panelboard main device (lugs, breakers) is indicated. Excludes branch breakers. A complete panelboard will be the sum of main device and the branch circuit breakers and spaces (within the capacity of the main device).		
26 24 16 00-0170 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0169)</small> Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers.		
26 24 16 00-0171 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small>		
26 24 16 00-0172 EA 100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	604.67	
26 24 16 00-0173 EA 100 Amp Rating, 20 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	694.19	
26 24 16 00-0174 EA 225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	938.51	
For Door-In-Door (Hinged) Trim Front, Add	67.98	
26 24 16 00-0175 EA 225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,081.89	
For Door-In-Door (Hinged) Trim Front, Add	116.10	
26 24 16 00-0176 EA 225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,222.98	
For Door-In-Door (Hinged) Trim Front, Add	148.39	
26 24 16 00-0177 EA 400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,364.71	
For Door-In-Door (Hinged) Trim Front, Add	67.98	
26 24 16 00-0178 EA 400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,480.42	
For Door-In-Door (Hinged) Trim Front, Add	116.10	
26 24 16 00-0179 EA 400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,619.71	
For Door-In-Door (Hinged) Trim Front, Add	148.39	
26 24 16 00-0180 EA 600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,737.10	
For Door-In-Door (Hinged) Trim Front, Add	67.98	
26 24 16 00-0181 EA 600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,851.57	
For Door-In-Door (Hinged) Trim Front, Add	116.10	
26 24 16 00-0182 EA 600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,018.61	
For Door-In-Door (Hinged) Trim Front, Add	148.39	
26 24 16 00-0183 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0184 EA 100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	897.58	
26 24 16 00-0185 EA 100 Amp Rating, 20 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,014.43	
26 24 16 00-0186 EA 225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,620.20	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
26 24 16 00-0187 EA 225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,795.91	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0188 EA 225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,959.75	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	148.39	
26 24 16 00-0189 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	3,442.76	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
26 24 16 00-0190 EA 400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	3,633.58	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0191 EA 400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	3,807.72	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	148.39	
26 24 16 00-0192 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small>		
26 24 16 00-0193 EA 100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,240.78	
26 24 16 00-0194 EA 100 Amp Rating, 20 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,323.03	
26 24 16 00-0195 EA 225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,552.19	
26 24 16 00-0196 EA 225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,692.55	
26 24 16 00-0197 EA 225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,822.13	
26 24 16 00-0198 EA 400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,081.39	
26 24 16 00-0199 EA 400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,189.22	
26 24 16 00-0200 EA 400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,321.24	
26 24 16 00-0201 EA 600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,494.36	
26 24 16 00-0202 EA 600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,604.57	
26 24 16 00-0203 EA 600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,760.38	
26 24 16 00-0204 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small>		
26 24 16 00-0205 EA 100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,526.41	
26 24 16 00-0206 EA 100 Amp Rating, 20 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,635.39	
26 24 16 00-0207 EA 225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,351.41	
26 24 16 00-0208 EA 225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,512.59	
26 24 16 00-0209 EA 225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,665.52	
26 24 16 00-0210 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	4,133.38	
26 24 16 00-0211 EA 400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	4,316.94	
26 24 16 00-0212 EA 400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	4,489.26	
26 24 16 00-0213 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0169)</small>		
<i>Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers</i>		
26 24 16 00-0214 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>		
26 24 16 00-0215 EA 100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	680.27	
26 24 16 00-0216 EA 100 Amp Rating, 24 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	798.83	
26 24 16 00-0217 EA 100 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	896.87	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0218	EA		225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,010.49	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
26 24 16 00-0219	EA		225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,162.26	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0220	EA		225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,285.90	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	148.39	
26 24 16 00-0221	EA		400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,481.96	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
26 24 16 00-0222	EA		400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,595.45	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0223	EA		400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,720.00	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	148.39	
26 24 16 00-0224	EA		600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,867.67	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
26 24 16 00-0225	EA		600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,064.28	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0226	EA		600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,450.48	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	148.39	
26 24 16 00-0227			Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>		
26 24 16 00-0228	EA		100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,053.78	
26 24 16 00-0229	EA		100 Amp Rating, 24 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,187.63	
26 24 16 00-0230	EA		100 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,351.61	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
26 24 16 00-0231	EA		225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,014.12	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
26 24 16 00-0232	EA		225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,179.48	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0233	EA		225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,329.95	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	148.39	
26 24 16 00-0234	EA		400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	3,239.41	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
26 24 16 00-0235	EA		400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	3,415.41	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0236	EA		400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	3,562.04	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	148.39	
26 24 16 00-0237			Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>		
26 24 16 00-0238	EA		100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,316.37	
26 24 16 00-0239	EA		100 Amp Rating, 24 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,427.66	
26 24 16 00-0240	EA		100 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,517.83	
26 24 16 00-0241	EA		225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,624.18	
26 24 16 00-0242	EA		225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,772.92	
26 24 16 00-0243	EA		225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,885.05	
26 24 16 00-0244	EA		400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,198.64	
26 24 16 00-0245	EA		400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,304.25	
26 24 16 00-0246	EA		400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,421.53	
26 24 16 00-0247	EA		600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,624.94	
26 24 16 00-0248	EA		600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,807.61	
26 24 16 00-0249	EA		600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	3,193.81	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0250				Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>		
26 24 16 00-0251	EA			100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard.....	1,682.61	
26 24 16 00-0252	EA			100 Amp Rating, 24 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard.....	1,808.58	
26 24 16 00-0253	EA			100 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard.....	1,968.32	
26 24 16 00-0254	EA			225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard.....	2,745.34	
26 24 16 00-0255	EA			225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard.....	2,896.15	
26 24 16 00-0256	EA			225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard.....	3,035.72	
26 24 16 00-0257	EA			400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard.....	4,565.17	
26 24 16 00-0258	EA			400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard.....	4,747.47	
26 24 16 00-0259	EA			400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard.....	4,904.76	
26 24 16 00-0260				480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0169)</small> Note: As manufactured by Square D or equal.		
26 24 16 00-0261				Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0260)</small>		
26 24 16 00-0262	EA			125 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	984.41	
26 24 16 00-0263	EA			125 Amp Rating, 18 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,077.54	
26 24 16 00-0264	EA			250 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,482.99	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
26 24 16 00-0265	EA			250 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,651.19	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0266	EA			250 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,796.43	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	148.39	
26 24 16 00-0267	EA			400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,782.84	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
26 24 16 00-0268	EA			400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,875.94	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0269	EA			400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,036.25	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	148.39	
26 24 16 00-0270	EA			600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,124.25	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
26 24 16 00-0271	EA			600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,276.65	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0272	EA			600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,484.02	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	148.39	
26 24 16 00-0273				Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0260)</small>		
26 24 16 00-0274	EA			100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,033.34	
26 24 16 00-0275	EA			100 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,097.67	
26 24 16 00-0276	EA			125 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,276.24	
26 24 16 00-0277	EA			125 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,395.38	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
26 24 16 00-0278	EA			125 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,626.28	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	
26 24 16 00-0279	EA			250 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	3,415.11	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.98	
26 24 16 00-0280	EA			250 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	3,561.73	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	116.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0281 EA 250 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,749.31	
For Door-In-Door (Hinged) Trim Front, Add	148.39	
26 24 16 00-0282 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,855.36	
For Door-In-Door (Hinged) Trim Front, Add	67.98	
26 24 16 00-0283 EA 400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,045.06	
For Door-In-Door (Hinged) Trim Front, Add	116.10	
26 24 16 00-0284 EA 400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,218.90	
For Door-In-Door (Hinged) Trim Front, Add	148.39	
26 24 16 00-0285 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0280)</small>		
26 24 16 00-0286 EA 125 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,598.70	
26 24 16 00-0287 EA 125 Amp Rating, 18 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,691.84	
26 24 16 00-0288 EA 250 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,082.75	
26 24 16 00-0289 EA 250 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,356.36	
26 24 16 00-0290 EA 250 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,489.48	
26 24 16 00-0291 EA 400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,475.89	
26 24 16 00-0292 EA 400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,550.82	
26 24 16 00-0293 EA 400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,685.08	
26 24 16 00-0294 EA 600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,833.66	
26 24 16 00-0295 EA 600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,971.18	
26 24 16 00-0296 EA 600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,146.55	
26 24 16 00-0297 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0280)</small>		
26 24 16 00-0298 EA 100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,778.49	
26 24 16 00-0299 EA 100 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,842.82	
26 24 16 00-0300 EA 125 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,881.45	
26 24 16 00-0301 EA 125 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,995.14	
26 24 16 00-0302 EA 125 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,331.45	
26 24 16 00-0303 EA 250 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,108.16	
26 24 16 00-0304 EA 250 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,236.60	
26 24 16 00-0305 EA 250 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,398.14	
26 24 16 00-0306 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,504.19	
26 24 16 00-0307 EA 400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,677.20	
26 24 16 00-0308 EA 400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,848.42	
26 24 16 00-0309 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0169)</small>		
Note: As manufactured by Square D or equal.		
26 24 16 00-0310 Main Lugs, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0311 EA 125 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,025.60	
26 24 16 00-0312 EA 125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,119.35	
26 24 16 00-0313 EA 125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,293.68	
For Door-In-Door (Hinged) Trim Front, Add	67.98	
26 24 16 00-0314 EA 250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,543.60	
For Door-In-Door (Hinged) Trim Front, Add	67.98	
26 24 16 00-0315 EA 250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,713.13	
For Door-In-Door (Hinged) Trim Front, Add	116.10	
26 24 16 00-0316 EA 250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,857.18	
For Door-In-Door (Hinged) Trim Front, Add	148.39	
26 24 16 00-0317 EA 400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,863.02	
For Door-In-Door (Hinged) Trim Front, Add	67.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0318 EA 400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	1,975.30 116.10	
26 24 16 00-0319 EA 400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	2,134.42 148.39	
26 24 16 00-0320 EA 600 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	2,222.68 67.98	
26 24 16 00-0321 EA 600 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	2,375.67 116.10	
26 24 16 00-0322 EA 600 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	2,583.76 148.39	
26 24 16 00-0323 Main Breaker, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0324 EA 100 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	2,245.38	
26 24 16 00-0325 EA 100 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	2,310.31	
26 24 16 00-0326 EA 100 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	2,502.27 67.98	
26 24 16 00-0327 EA 125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	2,567.70	
26 24 16 00-0328 EA 125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	2,687.36 67.98	
26 24 16 00-0329 EA 125 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	2,917.63 116.10	
26 24 16 00-0330 EA 250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,757.04 67.98	
26 24 16 00-0331 EA 250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,905.43 116.10	
26 24 16 00-0332 EA 250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,091.05 148.39	
26 24 16 00-0333 EA 400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,265.09 67.98	
26 24 16 00-0334 EA 400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,456.68 116.10	
26 24 16 00-0335 EA 400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,630.33 148.39	
26 24 16 00-0336 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0337 EA 125 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	1,639.89	
26 24 16 00-0338 EA 125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	1,733.64	
26 24 16 00-0339 EA 125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	1,898.88	
26 24 16 00-0340 EA 250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	2,143.36	
26 24 16 00-0341 EA 250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	2,418.29	
26 24 16 00-0342 EA 250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	2,550.23	
26 24 16 00-0343 EA 400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	2,557.89	
26 24 16 00-0344 EA 400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	2,650.17	
26 24 16 00-0345 EA 400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	2,783.24	
26 24 16 00-0346 EA 600 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	2,932.08	
26 24 16 00-0347 EA 600 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	3,069.93	
26 24 16 00-0348 EA 600 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	3,245.30	
26 24 16 00-0349 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0350 EA 100 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled	2,845.13	
26 24 16 00-0351 EA 100 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled	2,910.07	
26 24 16 00-0352 EA 100 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled	3,207.44	
26 24 16 00-0353 EA 125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled	3,172.91	
26 24 16 00-0354 EA 125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled	3,287.11	
26 24 16 00-0355 EA 125 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled	3,622.80	
26 24 16 00-0356 EA 250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled	4,450.09	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0357 EA 250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	4,580.31	
26 24 16 00-0358 EA 250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	4,739.87	
26 24 16 00-0359 EA 400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	4,913.91	
26 24 16 00-0360 EA 400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	5,088.54	
26 24 16 00-0361 EA 400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	5,259.16	
26 24 16 00-0362 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0169)</small> Note: Square D I-Line or equal.		
26 24 16 00-0363 Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0362)</small>		
26 24 16 00-0364 EA 400 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	1,707.54	287.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	172.31	
26 24 16 00-0365 EA 400 Amp Rating, 45" Breaker Mounted Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,011.24	287.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	172.26	
26 24 16 00-0366 EA 400 Amp Rating, 63" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,239.91	287.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	172.26	
26 24 16 00-0367 EA 600 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,520.94	471.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	282.88	
26 24 16 00-0368 EA 600 Amp Rating, 45" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,697.93	471.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	282.88	
26 24 16 00-0369 EA 600 Amp Rating, 63" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,892.15	471.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	282.88	
26 24 16 00-0370 EA 800 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,096.90	626.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	376.02	
26 24 16 00-0371 EA 800 Amp Rating, 45" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,266.76	628.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	377.17	
26 24 16 00-0372 EA 800 Amp Rating, 63" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,336.54	626.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	376.02	
26 24 16 00-0373 EA 800 Amp Rating, 99" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,898.05	626.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	376.02	
26 24 16 00-0374 EA 1,200 Amp Rating, 27" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,050.50	942.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	565.76	
26 24 16 00-0375 EA 1,200 Amp Rating, 45" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,432.66	942.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	565.76	
26 24 16 00-0376 EA 1,200 Amp Rating, 63" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,745.13	942.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	565.76	
26 24 16 00-0377 EA 1,200 Amp Rating, 99" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	6,126.52	942.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	565.76	
26 24 16 00-0378 Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0362)</small>		
26 24 16 00-0379 EA 225 Amp Rating, 36" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,361.89	293.26
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	175.94	
26 24 16 00-0380 EA 400 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,425.84	332.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	199.57	
26 24 16 00-0381 EA 400 Amp Rating, 45" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,646.68	332.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	199.57	
26 24 16 00-0382 EA 400 Amp Rating, 81" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,296.68	332.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	199.57	
26 24 16 00-0383 EA 600 Amp Rating, 36" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	6,881.76	545.21
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	327.15	
26 24 16 00-0384 EA 600 Amp Rating, 72" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	7,246.47	546.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	328.02	
26 24 16 00-0385 EA 600 Amp Rating, 72" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	7,547.42	545.21
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	327.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0386 EA 800 Amp Rating, 36" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	8,691.66	728.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	437.36	
26 24 16 00-0387 EA 800 Amp Rating, 72" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	9,124.28	726.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	435.82	
26 24 16 00-0388 EA 800 Amp Rating, 72" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	9,555.00	726.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	435.82	
26 24 16 00-0389 Branch Circuit Breakers <small>(26 24 16 00-0001)</small>		
<i>Note: For installation in existing and new panelboards. Use task modifier for installation in new panelboards.</i>		
26 24 16 00-0390 Branch Circuit Breakers 10,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
<i>Note: Includes connection of electrical wire.</i>		
26 24 16 00-0391 EA 1 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	45.46	17.37
<i>For Bolt-On, Add</i>	12.44	
<i>For Installation In New Panelboard, Deduct</i>	-9.65	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.58	
26 24 16 00-0392 EA 1 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	45.46	17.37
<i>For Bolt-On, Add</i>	12.44	
<i>For Installation In New Panelboard, Deduct</i>	-9.65	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.58	
26 24 16 00-0393 EA 1 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	64.08	21.71
<i>For Bolt-On, Add</i>	16.45	
<i>For Installation In New Panelboard, Deduct</i>	-12.06	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.48	
26 24 16 00-0394 EA 1 Pole GFI, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	89.36	21.23
<i>For Bolt-On, Add</i>	19.28	
<i>For Installation In New Panelboard, Deduct</i>	-11.58	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.90	
26 24 16 00-0395 EA 1 Pole GFI, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Protection Circuit Breaker, 10,000 Amp Interrupting Capacity.....	120.47	21.23
<i>For Bolt-On, Add</i>	23.16	
<i>For Installation In New Panelboard, Deduct</i>	-11.58	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.90	
26 24 16 00-0396 EA 1 Pole GFI, 120/240 Volt, 15-30 Amp, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amp Interrupting Capacity.....	138.21	21.23
<i>For Bolt-On, Add</i>	25.38	
<i>For Installation In New Panelboard, Deduct</i>	-11.58	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.90	
26 24 16 00-0397 EA 1 Pole GFI, 120/240 Volt, 15-20 Amp, "Arc Fault" Circuit Breaker, 10,000 Amp Interrupting Capacity.....	72.21	21.23
<i>For Bolt-On, Add</i>	17.13	
<i>For Installation In New Panelboard, Deduct</i>	-11.58	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.90	
26 24 16 00-0398 EA 2 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	73.73	26.06
<i>For Bolt-On, Add</i>	19.35	
<i>For Installation In New Panelboard, Deduct</i>	-14.48	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.37	
26 24 16 00-0399 EA 2 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	73.73	26.06
<i>For Bolt-On, Add</i>	19.35	
<i>For Installation In New Panelboard, Deduct</i>	-14.48	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.37	
26 24 16 00-0400 EA 2 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	108.85	34.74
<i>For Bolt-On, Add</i>	27.12	
<i>For Installation In New Panelboard, Deduct</i>	-19.30	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.16	
26 24 16 00-0401 EA 2 Pole, 120/240 Volt, 110-125 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	173.02	43.42
<i>For Bolt-On, Add</i>	38.52	
<i>For Installation In New Panelboard, Deduct</i>	-24.13	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.95	
26 24 16 00-0402 EA 2 Pole, 120/240 Volt, 150 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	202.17	48.25
<i>For Bolt-On, Add</i>	43.85	
<i>For Installation In New Panelboard, Deduct</i>	-26.54	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.85	
26 24 16 00-0403 EA 2 Pole GFI, 120/240 Volt, 15-50 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	166.67	30.88
<i>For Bolt-On, Add</i>	32.99	
<i>For Installation In New Panelboard, Deduct</i>	-17.37	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.84	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0404	EA		2 Pole, GFI, 120/240 Volt, 15-50 Amp, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amp Interrupting Capacity.....	217.56	30.88
			<i>For Bolt-On, Add</i>	39.35	
			<i>For Installation In New Panelboard, Deduct</i>	-17.37	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.84	
26 24 16 00-0405	EA		3 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	132.60	34.74
			<i>For Bolt-On, Add</i>	30.09	
			<i>For Installation In New Panelboard, Deduct</i>	-19.30	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.16	
26 24 16 00-0406	EA		3 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	132.60	34.74
			<i>For Bolt-On, Add</i>	30.09	
			<i>For Installation In New Panelboard, Deduct</i>	-19.30	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.16	
26 24 16 00-0407	EA		3 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	172.72	43.42
			<i>For Bolt-On, Add</i>	38.48	
			<i>For Installation In New Panelboard, Deduct</i>	-24.13	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.95	
26 24 16 00-0408	EA		3 Pole, 120/240 Volt, 110-125 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	254.24	52.11
			<i>For Bolt-On, Add</i>	52.05	
			<i>For Installation In New Panelboard, Deduct</i>	-28.95	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.74	
26 24 16 00-0409	EA		3 Pole, 120/240 Volt, 150 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	321.43	60.80
			<i>For Bolt-On, Add</i>	63.82	
			<i>For Installation In New Panelboard, Deduct</i>	-33.78	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.53	
26 24 16 00-0410			Branch Circuit Breakers 14,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
			<i>Note: Includes connection of electrical wire.</i>		
26 24 16 00-0411	EA		1 Pole, 277/480 Volt, 15-30 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	61.58	17.37
			<i>For Bolt-On, Add</i>	14.45	
			<i>For Installation In New Panelboard, Deduct</i>	-9.65	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.58	
26 24 16 00-0412	EA		1 Pole, 277/480 Volt, 35-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	61.58	17.37
			<i>For Bolt-On, Add</i>	14.45	
			<i>For Installation In New Panelboard, Deduct</i>	-9.65	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.58	
26 24 16 00-0413	EA		1 Pole, 277/480 Volt, 70-100 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	105.29	21.71
			<i>For Bolt-On, Add</i>	21.61	
			<i>For Installation In New Panelboard, Deduct</i>	-12.06	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.48	
26 24 16 00-0414	EA		1 Pole GFI, 277/480 Volt, 15-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	155.67	21.23
			<i>For Bolt-On, Add</i>	27.56	
			<i>For Installation In New Panelboard, Deduct</i>	-11.58	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.90	
26 24 16 00-0415	EA		2 Pole, 277/480 Volt, 15-30 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	116.17	26.06
			<i>For Bolt-On, Add</i>	24.65	
			<i>For Installation In New Panelboard, Deduct</i>	-14.48	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.37	
26 24 16 00-0416	EA		2 Pole, 277/480 Volt, 35-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	116.17	26.06
			<i>For Bolt-On, Add</i>	24.65	
			<i>For Installation In New Panelboard, Deduct</i>	-14.48	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.37	
26 24 16 00-0417	EA		2 Pole, 277/480 Volt, 70-100 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	220.36	34.74
			<i>For Bolt-On, Add</i>	41.06	
			<i>For Installation In New Panelboard, Deduct</i>	-19.30	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.16	
26 24 16 00-0418	EA		2 Pole, 277/480 Volt, 110-125 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	298.25	43.42
			<i>For Bolt-On, Add</i>	54.17	
			<i>For Installation In New Panelboard, Deduct</i>	-24.13	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.95	
26 24 16 00-0419	EA		2 Pole, 277/480 Volt, 150 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	430.10	48.25
			<i>For Bolt-On, Add</i>	72.34	
			<i>For Installation In New Panelboard, Deduct</i>	-26.54	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.85	
26 24 16 00-0420	EA		3 Pole, 277/480 Volt, 15-30 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	181.84	34.74
			<i>For Bolt-On, Add</i>	36.24	
			<i>For Installation In New Panelboard, Deduct</i>	-19.30	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0421 EA 3 Pole, 277/480 Volt, 35-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity.....	181.84	34.74
For Bolt-On, Add	36.24	
For Installation In New Panelboard, Deduct	-19.30	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.16	
26 24 16 00-0422 EA 3 Pole, 277/480 Volt, 70-100 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity.....	267.62	43.42
For Bolt-On, Add	50.34	
For Installation In New Panelboard, Deduct	-24.13	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.95	
26 24 16 00-0423 EA 3 Pole, 277/480 Volt, 110-125 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity.....	375.81	52.11
For Bolt-On, Add	67.24	
For Installation In New Panelboard, Deduct	-28.95	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.74	
26 24 16 00-0424 EA 3 Pole, 277/480 Volt, 150 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity.....	571.82	60.80
For Bolt-On, Add	95.12	
For Installation In New Panelboard, Deduct	-33.78	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.53	
26 24 16 00-0425 EA 3 Pole, 277/480 Volt, 175 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity.....	657.34	65.14
For Bolt-On, Add	107.50	
For Installation In New Panelboard, Deduct	-36.19	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.43	
26 24 16 00-0426 EA 3 Pole, 277/480 Volt, 200 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity.....	705.95	69.48
For Bolt-On, Add	115.27	
For Installation In New Panelboard, Deduct	-38.60	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.32	
26 24 16 00-0427 EA 3 Pole, 277/480 Volt, 225 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity.....	831.10	73.82
For Bolt-On, Add	132.60	
For Installation In New Panelboard, Deduct	-41.02	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.22	
26 24 16 00-0428 Branch Circuit Breakers 18,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
Note: Includes connection of electrical wire.		
26 24 16 00-0429 EA 1 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity.....	72.17	17.37
For Bolt-On, Add	15.78	
For Installation In New Panelboard, Deduct	-9.65	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.58	
26 24 16 00-0430 EA 1 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity.....	72.17	17.37
For Bolt-On, Add	15.78	
For Installation In New Panelboard, Deduct	-9.65	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.58	
26 24 16 00-0431 EA 1 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity.....	115.75	21.71
For Bolt-On, Add	22.91	
For Installation In New Panelboard, Deduct	-12.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.48	
26 24 16 00-0432 EA 2 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity.....	143.78	26.06
For Bolt-On, Add	28.11	
For Installation In New Panelboard, Deduct	-14.48	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.37	
26 24 16 00-0433 EA 2 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity.....	143.78	26.06
For Bolt-On, Add	28.11	
For Installation In New Panelboard, Deduct	-14.48	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.37	
26 24 16 00-0434 EA 2 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity.....	246.84	34.74
For Bolt-On, Add	44.37	
For Installation In New Panelboard, Deduct	-19.30	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.16	
26 24 16 00-0435 EA 2 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity.....	610.38	43.42
For Bolt-On, Add	93.19	
For Installation In New Panelboard, Deduct	-24.13	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.95	
26 24 16 00-0436 EA 3 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity.....	227.40	34.74
For Bolt-On, Add	41.94	
For Installation In New Panelboard, Deduct	-19.30	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.16	
26 24 16 00-0437 EA 3 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity.....	227.40	34.74
For Bolt-On, Add	41.94	
For Installation In New Panelboard, Deduct	-19.30	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.16	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0438 EA 3 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity.....	300.79	43.42
For Bolt-On, Add	54.49	
For Installation In New Panelboard, Deduct	-24.13	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.95	
26 24 16 00-0439 EA 3 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity.....	754.78	52.11
For Bolt-On, Add	114.61	
For Installation In New Panelboard, Deduct	-28.95	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.74	
26 24 16 00-0440 Branch Circuit Breakers 22,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
Note: Includes connection of electrical wire.		
26 24 16 00-0441 EA 1 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	81.17	17.37
For Bolt-On, Add	16.90	
For Installation In New Panelboard, Deduct	-9.65	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.58	
26 24 16 00-0442 EA 1 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	81.17	17.37
For Bolt-On, Add	16.90	
For Installation In New Panelboard, Deduct	-9.65	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.58	
26 24 16 00-0443 EA 1 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	96.29	21.71
For Bolt-On, Add	20.48	
For Installation In New Panelboard, Deduct	-12.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.48	
26 24 16 00-0444 EA 1 Pole GFI, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	154.47	21.23
For Bolt-On, Add	27.41	
For Installation In New Panelboard, Deduct	-11.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.90	
26 24 16 00-0445 EA 2 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	167.25	26.06
For Bolt-On, Add	31.04	
For Installation In New Panelboard, Deduct	-14.48	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.37	
26 24 16 00-0446 EA 2 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	167.25	26.06
For Bolt-On, Add	31.04	
For Installation In New Panelboard, Deduct	-14.48	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.37	
26 24 16 00-0447 EA 2 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	204.32	34.74
For Bolt-On, Add	39.05	
For Installation In New Panelboard, Deduct	-19.30	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.16	
26 24 16 00-0448 EA 2 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	291.39	43.42
For Bolt-On, Add	53.31	
For Installation In New Panelboard, Deduct	-24.13	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.95	
26 24 16 00-0449 EA 2 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	372.89	48.25
For Bolt-On, Add	65.19	
For Installation In New Panelboard, Deduct	-26.54	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.85	
26 24 16 00-0450 EA 2 Pole, 240 Volt, 250 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	464.05	56.45
For Bolt-On, Add	79.96	
For Installation In New Panelboard, Deduct	-31.36	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.64	
26 24 16 00-0451 EA 2 Pole, 240 Volt, 300-400 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	502.68	65.14
For Bolt-On, Add	88.17	
For Installation In New Panelboard, Deduct	-36.19	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.43	
26 24 16 00-0452 EA 3 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	204.71	34.74
For Bolt-On, Add	39.10	
For Installation In New Panelboard, Deduct	-19.30	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.16	
26 24 16 00-0453 EA 3 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	204.71	34.74
For Bolt-On, Add	39.10	
For Installation In New Panelboard, Deduct	-19.30	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.16	
26 24 16 00-0454 EA 3 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	241.40	43.42
For Bolt-On, Add	47.06	
For Installation In New Panelboard, Deduct	-24.13	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0455 EA 3 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	360.28	52.11
For Bolt-On, Add	65.30	
For Installation In New Panelboard, Deduct	-28.95	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.74	
26 24 16 00-0456 EA 3 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	472.36	67.55
For Bolt-On, Add	85.22	
For Installation In New Panelboard, Deduct	-37.40	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.87	
26 24 16 00-0457 EA 3 Pole, 240 Volt, 250 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	581.23	78.17
For Bolt-On, Add	103.05	
For Installation In New Panelboard, Deduct	-43.43	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.11	
26 24 16 00-0458 EA 3 Pole, 240 Volt, 300-400 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	617.83	82.99
For Bolt-On, Add	109.32	
For Installation In New Panelboard, Deduct	-45.84	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.01	
26 24 16 00-0459 Branch Circuit Breakers 25,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
Note: Includes connection of electrical wire.		
26 24 16 00-0460 EA 2 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	173.11	26.06
For Bolt-On, Add	31.77	
For Installation In New Panelboard, Deduct	-14.48	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.37	
26 24 16 00-0461 EA 2 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	173.11	26.06
For Bolt-On, Add	31.77	
For Installation In New Panelboard, Deduct	-14.48	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.37	
26 24 16 00-0462 EA 2 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	261.00	34.74
For Bolt-On, Add	46.14	
For Installation In New Panelboard, Deduct	-19.30	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.16	
26 24 16 00-0463 EA 2 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	418.06	43.42
For Bolt-On, Add	69.15	
For Installation In New Panelboard, Deduct	-24.13	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.95	
26 24 16 00-0464 EA 2 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	645.14	54.04
For Bolt-On, Add	101.75	
For Installation In New Panelboard, Deduct	-30.16	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.19	
26 24 16 00-0465 EA 2 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	728.97	56.45
For Bolt-On, Add	113.08	
For Installation In New Panelboard, Deduct	-31.36	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.64	
26 24 16 00-0466 EA 2 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	798.10	65.14
For Bolt-On, Add	125.09	
For Installation In New Panelboard, Deduct	-36.19	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.43	
26 24 16 00-0467 EA 3 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	247.55	34.74
For Bolt-On, Add	44.45	
For Installation In New Panelboard, Deduct	-19.30	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.16	
26 24 16 00-0468 EA 3 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	247.55	34.74
For Bolt-On, Add	44.45	
For Installation In New Panelboard, Deduct	-19.30	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.16	
26 24 16 00-0469 EA 3 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	311.69	43.42
For Bolt-On, Add	55.85	
For Installation In New Panelboard, Deduct	-24.13	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.95	
26 24 16 00-0470 EA 3 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	519.19	52.11
For Bolt-On, Add	85.16	
For Installation In New Panelboard, Deduct	-28.95	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.74	
26 24 16 00-0471 EA 3 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	754.78	67.55
For Bolt-On, Add	120.52	
For Installation In New Panelboard, Deduct	-37.40	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.87	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0472 EA 3 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	890.95	78.17
For Bolt-On, Add	141.77	
For Installation In New Panelboard, Deduct	-43.43	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.11	
26 24 16 00-0473 EA 3 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	963.00	82.99
For Bolt-On, Add	152.46	
For Installation In New Panelboard, Deduct	-45.84	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.01	
26 24 16 00-0474 Branch Circuit Breakers 30,000 Amp Interrupting Capacity, Plug-On (26 24 16 00-		
0389)		
Note: Includes connection of electrical wire.		
26 24 16 00-0475 EA 2 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	178.94	26.06
For Bolt-On, Add	32.50	
For Installation In New Panelboard, Deduct	-14.48	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.37	
26 24 16 00-0476 EA 2 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	178.94	26.06
For Bolt-On, Add	32.50	
For Installation In New Panelboard, Deduct	-14.48	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.37	
26 24 16 00-0477 EA 2 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	314.80	34.74
For Bolt-On, Add	52.86	
For Installation In New Panelboard, Deduct	-19.30	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.16	
26 24 16 00-0478 EA 2 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	567.23	43.42
For Bolt-On, Add	87.79	
For Installation In New Panelboard, Deduct	-24.13	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.95	
26 24 16 00-0479 EA 2 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	891.71	54.04
For Bolt-On, Add	132.57	
For Installation In New Panelboard, Deduct	-30.16	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.19	
26 24 16 00-0480 EA 2 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	1,012.55	56.45
For Bolt-On, Add	148.52	
For Installation In New Panelboard, Deduct	-31.36	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.64	
26 24 16 00-0481 EA 2 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	1,104.11	65.14
For Bolt-On, Add	163.35	
For Installation In New Panelboard, Deduct	-36.19	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.43	
26 24 16 00-0482 EA 3 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	287.90	34.74
For Bolt-On, Add	49.50	
For Installation In New Panelboard, Deduct	-19.30	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.16	
26 24 16 00-0483 EA 3 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	287.90	34.74
For Bolt-On, Add	49.50	
For Installation In New Panelboard, Deduct	-19.30	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.16	
26 24 16 00-0484 EA 3 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	381.63	43.42
For Bolt-On, Add	64.59	
For Installation In New Panelboard, Deduct	-24.13	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.95	
26 24 16 00-0485 EA 3 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	689.62	52.11
For Bolt-On, Add	106.47	
For Installation In New Panelboard, Deduct	-28.95	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.74	
26 24 16 00-0486 EA 3 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	871.95	67.55
For Bolt-On, Add	135.17	
For Installation In New Panelboard, Deduct	-37.40	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.87	
26 24 16 00-0487 EA 3 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	1,377.84	78.17
For Bolt-On, Add	202.63	
For Installation In New Panelboard, Deduct	-43.43	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.11	
26 24 16 00-0488 EA 3 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	1,467.11	82.99
For Bolt-On, Add	215.48	
For Installation In New Panelboard, Deduct	-45.84	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.01	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0489			Branch Circuit Breakers 35,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small> Note: Includes connection of electrical wire.		
26 24 16 00-0490	EA		1 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	95.85	17.37
			For Bolt-On, Add	18.74	
			For Installation In New Panelboard, Deduct	-9.65	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.58	
26 24 16 00-0491	EA		1 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	95.85	17.37
			For Bolt-On, Add	18.74	
			For Installation In New Panelboard, Deduct	-9.65	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.58	
26 24 16 00-0492	EA		1 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	162.05	21.71
			For Bolt-On, Add	28.70	
			For Installation In New Panelboard, Deduct	-12.06	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.48	
26 24 16 00-0493	EA		2 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	202.80	26.06
			For Bolt-On, Add	35.48	
			For Installation In New Panelboard, Deduct	-14.48	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.37	
26 24 16 00-0494	EA		2 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	202.80	26.06
			For Bolt-On, Add	35.48	
			For Installation In New Panelboard, Deduct	-14.48	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.37	
26 24 16 00-0495	EA		2 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	364.18	34.74
			For Bolt-On, Add	59.03	
			For Installation In New Panelboard, Deduct	-19.30	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.16	
26 24 16 00-0496	EA		2 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	665.85	43.42
			For Bolt-On, Add	100.12	
			For Installation In New Panelboard, Deduct	-24.13	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.95	
26 24 16 00-0497	EA		2 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	1,281.26	54.04
			For Bolt-On, Add	181.27	
			For Installation In New Panelboard, Deduct	-30.16	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.19	
26 24 16 00-0498	EA		3 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	330.96	34.74
			For Bolt-On, Add	54.88	
			For Installation In New Panelboard, Deduct	-19.30	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.16	
26 24 16 00-0499	EA		3 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	330.96	34.74
			For Bolt-On, Add	54.88	
			For Installation In New Panelboard, Deduct	-19.30	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.16	
26 24 16 00-0500	EA		3 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	441.45	43.42
			For Bolt-On, Add	72.07	
			For Installation In New Panelboard, Deduct	-24.13	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.95	
26 24 16 00-0501	EA		3 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	819.63	52.11
			For Bolt-On, Add	122.72	
			For Installation In New Panelboard, Deduct	-28.95	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.74	
26 24 16 00-0502	EA		3 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	1,592.95	67.55
			For Bolt-On, Add	225.30	
			For Installation In New Panelboard, Deduct	-37.40	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.87	
26 24 16 00-0503			Branch Circuit Breakers 42,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small> Note: Includes connection of electrical wire.		
26 24 16 00-0504	EA		1 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	137.23	17.37
			For Bolt-On, Add	23.91	
			For Installation In New Panelboard, Deduct	-9.65	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.58	
26 24 16 00-0505	EA		1 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	137.23	17.37
			For Bolt-On, Add	23.91	
			For Installation In New Panelboard, Deduct	-9.65	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.58	

26 Electrical
26 20 Low-Voltage Electrical Distribution
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0506 EA 1 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	206.05	21.71
For Bolt-On, Add	34.20	
For Installation In New Panelboard, Deduct	-12.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.48	
26 24 16 00-0507 EA 2 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	250.67	26.06
For Bolt-On, Add	41.47	
For Installation In New Panelboard, Deduct	-14.48	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.37	
26 24 16 00-0508 EA 2 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	250.67	26.06
For Bolt-On, Add	41.47	
For Installation In New Panelboard, Deduct	-14.48	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.37	
26 24 16 00-0509 EA 2 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	467.22	34.74
For Bolt-On, Add	71.91	
For Installation In New Panelboard, Deduct	-19.30	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.16	
26 24 16 00-0510 EA 2 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	840.69	43.42
For Bolt-On, Add	121.98	
For Installation In New Panelboard, Deduct	-24.13	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.95	
26 24 16 00-0511 EA 2 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	1,661.75	48.25
For Bolt-On, Add	226.30	
For Installation In New Panelboard, Deduct	-26.54	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.85	
26 24 16 00-0512 EA 3 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	426.87	34.74
For Bolt-On, Add	66.87	
For Installation In New Panelboard, Deduct	-19.30	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.16	
26 24 16 00-0513 EA 3 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	426.87	34.74
For Bolt-On, Add	66.87	
For Installation In New Panelboard, Deduct	-19.30	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.16	
26 24 16 00-0514 EA 3 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	589.64	43.42
For Bolt-On, Add	90.59	
For Installation In New Panelboard, Deduct	-24.13	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.95	
26 24 16 00-0515 EA 3 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	949.64	52.11
For Bolt-On, Add	138.97	
For Installation In New Panelboard, Deduct	-28.95	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.74	
26 24 16 00-0516 EA 3 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	2,099.68	67.55
For Bolt-On, Add	288.64	
For Installation In New Panelboard, Deduct	-37.40	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.87	
26 24 16 00-0517 Branch Circuit Breakers 65,000 Amp Interrupting Capacity, Plug-On (26 24 16 00-0389)		
Note: Includes connection of electrical wire.		
26 24 16 00-0518 EA 1 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	65.81	17.37
For Bolt-On, Add	14.98	
For Installation In New Panelboard, Deduct	-9.65	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.58	
26 24 16 00-0519 EA 2 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	134.59	26.06
For Bolt-On, Add	26.96	
For Installation In New Panelboard, Deduct	-14.48	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.37	
26 24 16 00-0520 EA 3 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	210.79	34.74
For Bolt-On, Add	39.86	
For Installation In New Panelboard, Deduct	-19.30	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.16	
26 24 16 00-0521 EA 1 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	130.14	17.37
For Bolt-On, Add	23.02	
For Installation In New Panelboard, Deduct	-9.65	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.58	
26 24 16 00-0522 EA 1 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	130.14	17.37
For Bolt-On, Add	23.02	
For Installation In New Panelboard, Deduct	-9.65	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0523 EA 1 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	259.21	34.74
For Bolt-On, Add	45.91	
For Installation In New Panelboard, Deduct	-19.30	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.16	
26 24 16 00-0524 EA 2 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	290.10	26.06
For Bolt-On, Add	46.40	
For Installation In New Panelboard, Deduct	-14.48	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.37	
26 24 16 00-0525 EA 2 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	290.10	26.06
For Bolt-On, Add	46.40	
For Installation In New Panelboard, Deduct	-14.48	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.37	
26 24 16 00-0526 EA 2 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	556.08	34.74
For Bolt-On, Add	83.02	
For Installation In New Panelboard, Deduct	-19.30	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.16	
26 24 16 00-0527 EA 2 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	939.31	43.42
For Bolt-On, Add	134.30	
For Installation In New Panelboard, Deduct	-24.13	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.95	
26 24 16 00-0528 EA 2 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	2,055.60	54.04
For Bolt-On, Add	278.06	
For Installation In New Panelboard, Deduct	-30.16	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.19	
26 24 16 00-0529 EA 3 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	483.28	34.74
For Bolt-On, Add	73.92	
For Installation In New Panelboard, Deduct	-19.30	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.16	
26 24 16 00-0530 EA 3 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	483.28	34.74
For Bolt-On, Add	73.92	
For Installation In New Panelboard, Deduct	-19.30	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.16	
26 24 16 00-0531 EA 3 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	671.52	43.42
For Bolt-On, Add	100.83	
For Installation In New Panelboard, Deduct	-24.13	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.95	
26 24 16 00-0532 EA 3 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	1,021.37	52.11
For Bolt-On, Add	147.94	
For Installation In New Panelboard, Deduct	-28.95	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.74	
26 24 16 00-0533 EA 3 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	2,556.02	67.55
For Bolt-On, Add	345.68	
For Installation In New Panelboard, Deduct	-37.40	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.87	
26 24 16 00-0534 Residential Lighting And Power Panelboards (26 24 16 00-0001)		
26 24 16 00-0535 Residential Type Unassembled Load Center (26 24 16 00-0534)		
Note: Interior box and cover, includes ground bar kit.		
26 24 16 00-0536 Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase (26 24 16 00-0535)		
26 24 16 00-0537 EA 30 Amp, 2 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	134.82	48.25
26 24 16 00-0538 EA 70 Amp, 4 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	442.93	193.00
26 24 16 00-0539 EA 100 Amp, 8 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	674.23	275.51
26 24 16 00-0540 EA 125 Amp, 24 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	1,444.07	579.10
26 24 16 00-0541 EA 150 Amp, 30 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	1,581.03	627.27
26 24 16 00-0542 Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 V AC (26 24 16 00-0535)		
Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V AC Delta.		
26 24 16 00-0543 EA 60 Amp, 3 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled.....	191.92	53.07
26 24 16 00-0544 EA 125 Amp, 3 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled.....	354.50	57.90
26 24 16 00-0545 Main Lug Load Center, 3 Wire 120/240 Volt, Single Phase, Rainproof (26 24 16 00-0535)		
26 24 16 00-0546 EA 40 Amp, 2 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	195.43	53.07
26 24 16 00-0547 EA 70 Amp, 4 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	218.36	57.90
26 24 16 00-0548 EA 100 Amp, 8 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	744.43	275.51
26 24 16 00-0549 EA 150 Amp, 30 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	1,687.87	627.27

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0550	Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 V AC <small>(26 24 16 00-0535)</small> Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V AC Delta, Rainproof.		
26 24 16 00-0551	EA 60 A, 3 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled.....	245.34	53.07
26 24 16 00-0552	EA 125 A, 20 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled.....	1,639.58	579.10
26 24 16 00-0553	Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase <small>(26 24 16 00-0535)</small>		
26 24 16 00-0554	EA 125 Amp, 24 Circuit, Main Breaker Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	1,776.79	579.10
26 24 16 00-0555	EA 150 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	1,929.01	627.27
26 24 16 00-0556	EA 300 Amp, 42 Circuit, Main Breaker Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	7,141.50	965.01
26 24 16 00-0557	Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 V AC <small>(26 24 16 00-0535)</small> Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V Delta.		
26 24 16 00-0558	EA 125 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled.....	2,663.23	579.10
26 24 16 00-0559	EA 150 Amp, 40 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled.....	2,906.26	627.27
26 24 16 00-0560	EA 300 Amp, 42 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled.....	7,887.37	965.01
26 24 16 00-0561	Main Breaker Load Center, 3 Wire 120/240 Volt, Single Phase, Rainproof <small>(26 24 16 00-0535)</small>		
26 24 16 00-0562	EA 125 Amp, 24 Circuit, Main Breaker Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	1,876.00	579.10
26 24 16 00-0563	EA 150 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	2,098.42	627.27
26 24 16 00-0564	Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 V AC <small>(26 24 16 00-0535)</small> Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V AC Delta, Rainproof.		
26 24 16 00-0565	EA 125 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled.....	2,827.76	579.10
26 24 16 00-0566	EA 155 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled.....	2,924.12	627.27
26 24 16 00-0567	Residential Type Assembled Load Center <small>(26 24 16 00-0534)</small>		
26 24 16 00-0568	Main Lug Load Center, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase <small>(26 24 16 00-0567)</small> Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0569	EA 100 Amp Main Lugs, Indoor 8 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	674.68	275.51
26 24 16 00-0570	EA 100 Amp Main Lugs, Indoor 12 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	825.31	321.83
26 24 16 00-0571	EA 100 Amp Main Lugs, Rainproof, 8 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	691.47	275.51
26 24 16 00-0572	EA 100 Amp Main Lugs, Rainproof, 12 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	829.89	321.83
26 24 16 00-0573	EA 200 Amp Main Lugs, Indoor, 8 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,215.09	428.95
26 24 16 00-0574	EA 200 Amp Main Lugs, Indoor, 20 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,431.08	514.84
26 24 16 00-0575	EA 200 Amp Main Lugs, Indoor, 24 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,635.05	593.97
26 24 16 00-0576	EA 200 Amp Main Lugs, Indoor, 30 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,804.92	642.99
26 24 16 00-0577	EA 200 Amp Main Lugs, Indoor, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	2,700.78	965.01
26 24 16 00-0578	EA 200 Amp Main Lugs, Rainproof, 16 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,274.61	428.95
26 24 16 00-0579	EA 200 Amp Main Lugs, Rainproof, 20 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,487.55	514.84
26 24 16 00-0580	EA 200 Amp Main Lugs, Rainproof, 24 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,691.52	593.97
26 24 16 00-0581	EA 200 Amp Main Lugs, Rainproof, 30 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,858.34	642.99
26 24 16 00-0582	EA 200 Amp Main Lugs, Rainproof, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	2,876.29	965.01
26 24 16 00-0583	EA 400 Amp Main Lugs, Indoor, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	3,357.83	1,072.23
26 24 16 00-0584	EA 400 Amp Main Lugs, Rainproof, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	3,540.98	1,072.23
26 24 16 00-0585	Main Lug Load Center, 4 Wire, 20 Amp, 120/208 V <small>(26 24 16 00-0567)</small> Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0586	EA 125 Amp Main Lugs, Indoor, 12 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	910.78	321.83
26 24 16 00-0587	EA 125 Amp Main Lugs, Indoor, 18 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	1,357.25	482.51
26 24 16 00-0588	EA 125 Amp Main Lugs, Rainproof, 12 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	961.15	321.83
26 24 16 00-0589	EA 125 Amp Main Lugs, Rainproof, 18 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	1,403.04	482.51
26 24 16 00-0590	EA 200 Amp Main Lugs, Indoor, 24 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	1,722.04	593.97
26 24 16 00-0591	EA 200 Amp Main Lugs, Indoor, 30 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	1,881.92	643.38
26 24 16 00-0592	EA 200 Amp Main Lugs, Indoor, 36 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	2,307.64	772.30
26 24 16 00-0593	EA 200 Amp Main Lugs, Indoor, 42 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	2,761.83	965.01
26 24 16 00-0594	EA 200 Amp Main Lugs, Rainproof, 24 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	1,775.46	593.97
26 24 16 00-0595	EA 200 Amp Main Lugs, Rainproof, 30 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	1,942.28	642.99
26 24 16 00-0596	EA 200 Amp Main Lugs, Rainproof, 36 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	2,512.70	771.72
26 24 16 00-0597	EA 200 Amp Main Lugs, Rainproof, 42 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	2,967.87	965.01
26 24 16 00-0598	EA 400 Amp Main Lugs, Indoor, 42 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	3,403.62	1,072.23
26 24 16 00-0599	EA 400 Amp Main Lugs, Rainproof, 42 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	3,586.77	1,072.23



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<p>26 24 16 00-0600 Main Breaker Load Center, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase <small>(26 24 16 00-0567)</small></p> <p>Note: Includes 1 pole plug-in breaker.</p>		
26 24 16 00-0601 EA 125 Amp Main Breaker, Indoor, 12 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	904.68	321.83
26 24 16 00-0602 EA 125 Amp Main Breaker, Indoor, 18 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,335.88	482.51
26 24 16 00-0603 EA 200 Amp Main Breaker, Indoor, 20 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,556.23	514.84
26 24 16 00-0604 EA 200 Amp Main Breaker, Indoor, 24 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,783.67	594.26
26 24 16 00-0605 EA 200 Amp Main Breaker, Indoor, 30 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,965.86	643.38
26 24 16 00-0606 EA 200 Amp Main Breaker, Indoor, 40 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	2,601.10	857.90
26 24 16 00-0607 EA 200 Amp Main Breaker, Rainproof, 20 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	1,571.49	514.84
26 24 16 00-0608 EA 200 Amp Main Breaker, Rainproof, 24 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	1,813.62	593.97
26 24 16 00-0609 EA 200 Amp Main Breaker, Rainproof, 30 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	1,972.80	642.99
26 24 16 00-0610 EA 200 Amp Main Breaker, Rainproof, 40 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	2,517.16	857.90
26 24 16 00-0611 EA 400 Amp Main Breaker, Indoor, 42 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	4,929.85	1,072.23
26 24 16 00-0612 EA 400 Amp Main Breaker, Rainproof, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	5,235.10	1,072.23
<p>26 24 16 00-0613 Main Breaker Load Center, 4 Wire, 20 Amp, 120/208 V <small>(26 24 16 00-0567)</small></p> <p>Note: Includes 1 pole plug-in breaker.</p>		
26 24 16 00-0614 EA 200 Amp Main Breaker, Indoor, 30 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,393.21	643.38
26 24 16 00-0615 EA 200 Amp Main Breaker, Indoor, 42 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	3,250.22	965.01
26 24 16 00-0616 EA 200 Amp Main Breaker, Rainproof, 30 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,484.09	642.99
26 24 16 00-0617 EA 200 Amp Main Breaker, Rainproof, 42 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	3,341.79	965.01
<p>26 24 16 00-0618 Panel Mounted Accessories And Fuseholders <small>(26 24 16 00-0001)</small></p>		
<p>26 24 16 00-0619 Midget Finger-Safe Fuse Holders <small>(26 24 16 00-0618)</small></p> <p>Note: 30 Amp capacity. Excludes fuse.</p>		
26 24 16 00-0620 EA 1 Pole Midget Finger-Safe Fuse Holder	54.79	17.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	11.58	
26 24 16 00-0621 EA 1 Pole With Indicator Midget Finger-Safe Fuse Holder	62.46	17.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	11.58	
26 24 16 00-0622 EA 2 Pole Midget Finger-Safe Fuse Holder	87.06	26.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	17.37	
26 24 16 00-0623 EA 2 Pole With Indicators Midget Finger-Safe Fuse Holder	107.08	26.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	17.37	
26 24 16 00-0624 EA 3 Pole Midget Finger-Safe Fuse Holder	125.54	34.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	23.16	
26 24 16 00-0625 EA 3 Pole With Indicators Midget Finger-Safe Fuse Holder	152.13	34.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	23.16	
26 24 16 00-0626 EA 3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder	174.37	34.74
<i>Note: With indicators.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	23.16	
26 24 16 00-0627 EA 3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder	144.89	34.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	23.16	
26 24 16 00-0628 EA 4 Pole Midget Finger-Safe Fuse Holder	157.90	43.42
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	28.95	
26 24 16 00-0629 EA 4 Pole With Indicator Midget Finger-Safe Fuse Holder	187.10	43.42
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	28.95	
26 24 16 00-0630 EA 12 To 24 Volt DC Midget Finger-Safe Fuse Holder	62.49	17.37
<i>Note: With indicator.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	11.58	
26 24 16 00-0631 EA 20 To 24 Volt DC Midget Finger-Safe Fuse Holder	66.56	17.37
<i>Note: With indicator.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	11.58	
26 24 16 00-0632 EA 35 To 48 Volt DC Midget Finger-Safe Fuse Holder	63.24	17.37
<i>Note: With indicator.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	11.58	
<p>26 24 16 00-0633 Removal And Reinstallation Of Panelboards <small>(26 24 16 00-0001)</small></p> <p>Note: Includes storage, cleaning and supply materials.</p>		
26 24 16 00-0634 EA Removal And Reinstallation Of Up To 42 Circuit Capacity Panelboards With Breakers	1,212.42	
<i>Note: Includes removal and reinstallation of main wiring to panelboard.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	361.88	
26 24 16 00-0635 EA Removal And Reinstallation Of Breaker, 1-2-3 Pole, Any Amperage	64.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	18.82	
26 24 16 00-0636 EA Panelboard Filler Plate, Fits 1" Opening	4.79	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	0.91	
<p>26 24 19 Motor-Control Centers <small>(26 24)</small></p>		
<p>26 24 19 00-0001 Combination Starters With Molded Case Circuit Breakers <small>(26 24 19)</small></p> <p>Note: Includes NEMA 1 enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" o 20" Deep), fully factory assembled and wired internally.</p>		
<p>26 24 19 00-0002 230 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small></p> <p>Note: 1-Speed non-reversing.</p>		
26 24 19 00-0003 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination With Molded Case Circuit	2,294.12	88.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	52.94	
26 24 19 00-0004 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination With Molded Case Circuit	2,721.60	92.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	55.58	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0005 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination With Molded Case Circuit .....4,066.15 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 58.23		97.04
26 24 19 00-0006 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit .....7,395.34 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 68.81		114.69
26 24 19 00-0007 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit .....14,933.29 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 79.40		132.33
26 24 19 00-0008 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit .....25,142.46 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 105.87		176.45
26 24 19 00-0009 480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 1-Speed non-reversing.		
26 24 19 00-0010 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination With Molded Case Circuit .....2,294.12 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 52.94		88.22
26 24 19 00-0011 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination With Molded Case Circuit .....2,721.60 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 55.58		92.63
26 24 19 00-0012 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit .....4,066.15 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 58.23		97.04
26 24 19 00-0013 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit .....7,395.34 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 68.81		114.69
26 24 19 00-0014 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit .....14,933.29 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 79.40		132.33
26 24 19 00-0015 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination With Molded Case Circuit .....25,142.46 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 105.87		176.45
26 24 19 00-0016 230 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 1-Speed reversing.		
26 24 19 00-0017 EA 230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination With Molded Case Circuit .....3,339.66 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 52.94		88.22
26 24 19 00-0018 EA 230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination With Molded Case Circuit .....4,460.48 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 55.58		92.63
26 24 19 00-0019 EA 230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination With Molded Case Circuit .....6,407.54 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 58.23		97.04
26 24 19 00-0020 EA 230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit .....11,231.95 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 68.81		114.69
26 24 19 00-0021 EA 230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit .....22,143.55 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 79.40		132.33
26 24 19 00-0022 EA 230 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit .....38,180.74 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 105.87		176.45
26 24 19 00-0023 480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 1-Speed reversing.		
26 24 19 00-0024 EA 480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination With Molded Case Circuit .....3,339.66 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 52.94		88.22
26 24 19 00-0025 EA 480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination With Molded Case Circuit .....4,460.48 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 55.58		92.63
26 24 19 00-0026 EA 480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit .....6,407.54 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 58.23		97.04
26 24 19 00-0027 EA 480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit .....11,231.95 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 68.81		114.69
26 24 19 00-0028 EA 480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit .....22,143.55 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 79.40		132.33
26 24 19 00-0029 EA 480 Volt, Full Volt, 1 Speed, Reversing, 400 HP Combination With Molded Case Circuit .....38,180.74 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 105.87		176.45
26 24 19 00-0030 230 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0031 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit .....4,050.24 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 84.69		141.15
26 24 19 00-0032 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit .....5,587.48 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 89.99		149.98
26 24 19 00-0033 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit .....8,249.99 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 95.28		158.80
26 24 19 00-0034 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit .....14,782.24 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 108.51		180.86
26 24 19 00-0035 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit .....24,521.93 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 127.04		211.74
26 24 19 00-0036 480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0037 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit .....4,050.24 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 84.69		141.15
26 24 19 00-0038 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit .....5,587.48 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 89.99		149.98
26 24 19 00-0039 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit .....8,249.99 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 95.28		158.80
26 24 19 00-0040 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit .....14,782.24 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 108.51		180.86
26 24 19 00-0041 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit .....24,521.93 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 127.04		211.74



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0042			230 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0043	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit.....	4,706.40	88.22
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.94	
26 24 19 00-0044	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit.....	7,018.96	92.63
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.58	
26 24 19 00-0045	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit.....	9,619.49	97.04
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.23	
26 24 19 00-0046	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit.....	18,096.65	114.69
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.81	
26 24 19 00-0047	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit.....	31,378.45	132.33
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.40	
26 24 19 00-0048			480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0049	EA		480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit.....	4,706.40	88.22
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.94	
26 24 19 00-0050	EA		480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit.....	7,018.96	92.63
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.58	
26 24 19 00-0051	EA		480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit.....	9,619.49	97.04
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.23	
26 24 19 00-0052	EA		480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit.....	18,096.65	114.69
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.81	
26 24 19 00-0053	EA		480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit.....	31,378.45	132.33
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.40	
26 24 19 00-0054			230 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, auto-transformer.		
26 24 19 00-0055	EA		230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination With Molded Case Circuit.....	6,974.66	92.63
26 24 19 00-0056	EA		230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination With Molded Case Circuit.....	10,693.79	101.45
26 24 19 00-0057	EA		230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit.....	18,045.71	114.69
26 24 19 00-0058	EA		230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit.....	27,931.70	132.33
26 24 19 00-0059	EA		230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit.....	47,803.29	176.45
26 24 19 00-0060			480 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, auto-transformer.		
26 24 19 00-0061	EA		480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination With Molded Case Circuit.....	6,974.66	92.63
26 24 19 00-0062	EA		480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit.....	10,693.79	101.45
26 24 19 00-0063	EA		480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit.....	18,045.71	114.69
26 24 19 00-0064	EA		480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit.....	27,931.70	132.33
26 24 19 00-0065	EA		480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination With Molded Case Circuit.....	47,803.29	176.45
26 24 19 00-0066			230 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, part winding.		
26 24 19 00-0067	EA		230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination With Molded Case Circuit.....	4,734.72	141.15
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.69	
26 24 19 00-0068	EA		230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination With Molded Case Circuit.....	6,123.42	163.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.92	
26 24 19 00-0069	EA		230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination With Molded Case Circuit.....	10,806.07	180.86
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	108.51	
26 24 19 00-0070	EA		230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit.....	18,450.15	220.56
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	132.33	
26 24 19 00-0071	EA		230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit.....	25,354.22	282.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	169.40	
26 24 19 00-0072			480 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, part winding.		
26 24 19 00-0073	EA		480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination With Molded Case Circuit.....	4,734.72	141.15
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.69	
26 24 19 00-0074	EA		480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination With Molded Case Circuit.....	6,123.42	163.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.92	
26 24 19 00-0075	EA		480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit.....	10,806.07	180.86
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	108.51	
26 24 19 00-0076	EA		480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit.....	18,450.15	220.56
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	132.33	
26 24 19 00-0077	EA		480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination With Molded Case Circuit.....	25,354.22	282.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	169.40	
26 24 19 00-0078			230 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, energy saver.		
26 24 19 00-0079	EA		230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7-1/2 HP Combination With Molded Case Circuit.....	19,735.85	114.69
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0080 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination With Molded Case Circuit	20,929.57	141.15
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	84.69	
26 24 19 00-0081 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination With Molded Case Circuit	23,109.07	163.21
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	97.92	
26 24 19 00-0082 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit	35,013.06	180.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	108.51	
26 24 19 00-0083 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit	47,760.81	220.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	132.33	
26 24 19 00-0084 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit	64,821.27	282.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	169.40	
26 24 19 00-0085 480 Volt Combination With Molded Case Circuit (26 24 19 00-0001)		
Note: Reducing volt, energy saver.		
26 24 19 00-0086 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination With Molded Case Circuit	19,735.85	114.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	68.81	
26 24 19 00-0087 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination With Molded Case Circuit	20,929.57	141.15
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	84.69	
26 24 19 00-0088 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit	23,109.07	163.21
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	97.92	
26 24 19 00-0089 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit	35,013.06	180.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	108.51	
26 24 19 00-0090 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit	47,760.81	220.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	132.33	
26 24 19 00-0091 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination With Molded Case Circuit	64,821.27	282.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	169.40	
26 24 19 00-0092 Combination Starters With Current Limiting Circuit Breakers (26 24 19)		
Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and wired internally.		
26 24 19 00-0093 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)		
Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0094 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit.....	3,080.49	88.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.94	
26 24 19 00-0095 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination Starters With Current Limiting Circuit.....	3,507.97	92.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.58	
26 24 19 00-0096 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination Starters With Current Limiting Circuit.....	5,441.74	97.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.23	
26 24 19 00-0097 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit.....	10,051.29	114.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	68.81	
26 24 19 00-0098 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit.....	18,021.19	132.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	79.40	
26 24 19 00-0099 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit.....	29,388.87	176.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.87	
26 24 19 00-0100 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)		
Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0101 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination Starters With Current Limiting Circuit.....	3,080.49	88.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.94	
26 24 19 00-0102 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination Starters With Current Limiting Circuit.....	3,507.97	92.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.58	
26 24 19 00-0103 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit.....	5,441.74	97.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.23	
26 24 19 00-0104 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit.....	10,051.29	114.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	68.81	
26 24 19 00-0105 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit.....	18,021.19	132.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	79.40	
26 24 19 00-0106 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination Starters With Current Limiting Circuit.....	29,388.87	176.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.87	
26 24 19 00-0107 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)		
Note: Full volt, 1-speed reversing.		
26 24 19 00-0108 EA 230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit	4,119.39	88.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.94	
26 24 19 00-0109 EA 230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination Starters With Current Limiting Circuit	5,231.35	92.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.58	
26 24 19 00-0110 EA 230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination Starters With Current Limiting Circuit	7,752.13	97.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.23	
26 24 19 00-0111 EA 230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit	13,852.46	114.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	68.81	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0112	EA 230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	.....	25,169.43 79.40	132.33
26 24 19 00-0113	480 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Full volt, 1-speed reversing.			
26 24 19 00-0114	EA 480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	.....	4,119.39 52.94	88.22
26 24 19 00-0115	EA 480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	.....	5,231.35 55.58	92.63
26 24 19 00-0116	EA 480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	.....	7,752.13 58.23	97.04
26 24 19 00-0117	EA 480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	.....	13,852.46 68.81	114.69
26 24 19 00-0118	EA 480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	.....	25,169.43 79.40	132.33
26 24 19 00-0119	230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Full volt, 2-speed non-reversing, 2 wind.			
26 24 19 00-0120	EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	.....	4,816.68 84.69	141.15
26 24 19 00-0121	EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	.....	6,342.84 89.99	149.98
26 24 19 00-0122	EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	.....	9,572.42 95.28	158.80
26 24 19 00-0123	EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	.....	17,371.73 108.51	180.86
26 24 19 00-0124	EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	.....	27,523.44 127.04	211.74
26 24 19 00-0125	480 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Full volt, 2-speed non-reversing, 2 wind.			
26 24 19 00-0126	EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	.....	4,816.68 84.69	141.15
26 24 19 00-0127	EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	.....	6,342.84 89.99	149.98
26 24 19 00-0128	EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	.....	9,572.42 95.28	158.80
26 24 19 00-0129	EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	.....	17,371.73 108.51	180.86
26 24 19 00-0130	EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	.....	27,523.44 127.04	211.74
26 24 19 00-0131	230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Full volt, 2-speed non-reversing, 1 wind.			
26 24 19 00-0132	EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	.....	5,561.06 79.40	132.33
26 24 19 00-0133	EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	.....	7,858.06 84.69	141.15
26 24 19 00-0134	EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	.....	11,041.14 89.99	149.98
26 24 19 00-0135	EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	.....	20,769.82 103.22	172.03
26 24 19 00-0136	EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	.....	34,461.33 121.76	202.91
26 24 19 00-0137	480 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Full volt, 2-speed non-reversing, 1 wind.			
26 24 19 00-0138	EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	.....	5,561.06 79.40	132.33
26 24 19 00-0139	EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	.....	7,858.06 84.69	141.15

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0140 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,041.14 89.99	149.98
26 24 19 00-0141 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,769.82 103.22	172.03
26 24 19 00-0142 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34,461.33 121.76	202.91
26 24 19 00-0143 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, auto-transformer.		
26 24 19 00-0144 EA 230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,718.94 55.58	92.63
26 24 19 00-0145 EA 230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,448.17 60.87	101.45
26 24 19 00-0146 EA 230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,060.50 68.81	114.69
26 24 19 00-0147 EA 230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,921.16 79.40	132.33
26 24 19 00-0148 EA 230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52,537.03 105.87	176.45
26 24 19 00-0149 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, auto-transformer.		
26 24 19 00-0150 EA 480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,718.94 55.58	92.63
26 24 19 00-0151 EA 480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,448.17 60.87	101.45
26 24 19 00-0152 EA 480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,060.50 68.81	114.69
26 24 19 00-0153 EA 480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,921.16 79.40	132.33
26 24 19 00-0154 EA 480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52,537.03 105.87	176.45
26 24 19 00-0155 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, part winding.		
26 24 19 00-0156 EA 230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,501.16 84.69	141.15
26 24 19 00-0157 EA 230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,874.35 97.92	163.21
26 24 19 00-0158 EA 230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,119.64 108.51	180.86
26 24 19 00-0159 EA 230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,502.61 132.33	220.56
26 24 19 00-0160 EA 230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,738.24 169.40	282.31
26 24 19 00-0161 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, part winding.		
26 24 19 00-0162 EA 480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,501.16 84.69	141.15
26 24 19 00-0163 EA 480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,874.35 97.92	163.21
26 24 19 00-0164 EA 480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,119.64 108.51	180.86
26 24 19 00-0165 EA 480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,502.61 132.33	220.56
26 24 19 00-0166 EA 480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,738.24 169.40	282.31
26 24 19 00-0167 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, energy saving		
26 24 19 00-0168 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7.5 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,371.60 68.81	114.69
26 24 19 00-0169 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,558.67 84.69	141.15
26 24 19 00-0170 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,716.02 97.92	163.21
26 24 19 00-0171 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35,515.89 108.51	180.86
26 24 19 00-0172 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48,150.68 132.33	220.56



MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0173 EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67,494.94 169.40	282.31
26 24 19 00-0174	480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, energy saving		
26 24 19 00-0175 EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,371.64 68.83	114.69
26 24 19 00-0176 EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,558.67 84.69	141.15
26 24 19 00-0177 EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,716.02 97.92	163.21
26 24 19 00-0178 EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35,515.89 108.51	180.86
26 24 19 00-0179 EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48,150.68 132.33	220.56
26 24 19 00-0180 EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67,494.94 169.40	282.31
26 24 19 00-0181	Combination Starters With Fusible Switch (26 24 19) Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and Wired Internally.		
26 24 19 00-0182	230 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181) Note: 1-Speed non-reversing.		
26 24 19 00-0183 EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,037.16 52.94	88.22
26 24 19 00-0184 EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,821.28 55.58	92.63
26 24 19 00-0185 EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,779.42 58.23	97.04
26 24 19 00-0186 EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,451.96 68.81	114.69
26 24 19 00-0187 EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,741.55 79.40	132.33
26 24 19 00-0188 EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,533.30 105.87	176.45
26 24 19 00-0189	480 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181) Note: 1-Speed non-reversing.		
26 24 19 00-0190 EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,037.16 52.94	88.22
26 24 19 00-0191 EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,821.28 55.58	92.63
26 24 19 00-0192 EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,779.42 58.23	97.04
26 24 19 00-0193 EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,451.96 68.81	114.69
26 24 19 00-0194 EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,741.55 79.40	132.33
26 24 19 00-0195 EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,533.30 105.87	176.45
26 24 19 00-0196	230 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181) Note: 1-Speed reversing.		
26 24 19 00-0197 EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,310.87 52.94	88.22
26 24 19 00-0198 EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,947.81 55.58	92.63
26 24 19 00-0199 EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,935.98 58.23	97.04
26 24 19 00-0200 EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,950.90 68.81	114.69
26 24 19 00-0201 EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,941.71 79.40	132.33
26 24 19 00-0202 EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33,916.61 105.87	176.45
26 24 19 00-0203	480 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181) Note: 1-Speed reversing.		
26 24 19 00-0204 EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,310.87 52.94	88.22

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0205 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	4,947.81	92.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.58	
26 24 19 00-0206 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	7,935.98	97.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.23	
26 24 19 00-0207 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	12,950.90	114.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.81	
26 24 19 00-0208 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	19,941.71	132.33
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.40	
26 24 19 00-0209 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	33,916.61	176.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.87	
26 24 19 00-0210 230 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small>		
Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0211 EA 10 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	3,864.17	141.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.69	
26 24 19 00-0212 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	5,330.52	149.98
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.99	
26 24 19 00-0213 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	8,416.12	158.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.28	
26 24 19 00-0214 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	15,070.20	180.86
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	108.51	
26 24 19 00-0215 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	24,036.81	211.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	127.04	
26 24 19 00-0216 480 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small>		
Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0217 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	3,864.17	141.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.69	
26 24 19 00-0218 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	5,330.52	149.98
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.99	
26 24 19 00-0219 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	8,416.12	158.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.28	
26 24 19 00-0220 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	15,070.20	180.86
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	108.51	
26 24 19 00-0221 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	24,036.81	211.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	127.04	
26 24 19 00-0222 230 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small>		
Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0223 EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	4,436.15	88.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.94	
26 24 19 00-0224 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	6,779.73	92.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.58	
26 24 19 00-0225 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	9,774.55	97.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.23	
26 24 19 00-0226 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	19,731.42	114.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.81	
26 24 19 00-0227 480 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small>		
Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0228 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	4,436.15	88.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.94	
26 24 19 00-0229 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	6,779.73	92.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.58	
26 24 19 00-0230 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	9,774.55	97.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.23	
26 24 19 00-0231 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	19,731.42	114.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.81	
26 24 19 00-0232 230 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small>		
Note: Auto-transformer.		
26 24 19 00-0233 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	6,733.21	92.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.58	
26 24 19 00-0234 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	11,909.90	101.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.87	
26 24 19 00-0235 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	19,862.12	114.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.81	
26 24 19 00-0236 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	26,527.30	132.33
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.40	
26 24 19 00-0237 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	44,582.48	176.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.87	
26 24 19 00-0238 480 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small>		
Note: Auto-transformer.		
26 24 19 00-0239 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	6,733.21	92.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.58	
26 24 19 00-0240 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	11,909.90	101.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.87	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0241	EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	19,862.12	114.69	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.81		
26 24 19 00-0242	EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	26,527.30	132.33	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.40		
26 24 19 00-0243	EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	44,582.48	176.45	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.87		
26 24 19 00-0244	230 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small>			
	Note: Part winding.			
26 24 19 00-0245	EA 10 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	4,763.52	141.15	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.69		
26 24 19 00-0246	EA 25 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	6,313.92	163.21	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.92		
26 24 19 00-0247	EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	10,079.50	180.86	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	108.51		
26 24 19 00-0248	EA 75 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	20,140.30	220.56	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	132.33		
26 24 19 00-0249	480 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small>			
	Note: Part winding.			
26 24 19 00-0250	EA 15 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	4,763.52	141.15	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.69		
26 24 19 00-0251	EA 40 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	6,313.92	163.21	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.92		
26 24 19 00-0252	EA 75 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	10,079.50	180.86	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	108.51		
26 24 19 00-0253	EA 150 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	20,140.30	220.56	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	132.33		
26 24 19 00-0254	230 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small>			
	Note: Energy saver.			
26 24 19 00-0255	EA 7.5 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	19,733.64	114.69	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.81		
26 24 19 00-0256	EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	20,929.57	141.15	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.69		
26 24 19 00-0257	EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	23,109.07	163.21	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.92		
26 24 19 00-0258	EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	35,013.06	180.86	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	108.51		
26 24 19 00-0259	EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	47,760.81	220.56	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	132.33		
26 24 19 00-0260	EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	64,821.27	282.31	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	169.40		
26 24 19 00-0261	480 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small>			
	Note: Energy saver.			
26 24 19 00-0262	EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	19,733.64	114.69	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.81		
26 24 19 00-0263	EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	20,929.57	141.15	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.69		
26 24 19 00-0264	EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	23,109.07	163.21	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.92		
26 24 19 00-0265	EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	35,013.06	180.86	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	108.51		
26 24 19 00-0266	EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	47,760.81	220.56	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	132.33		
26 24 19 00-0267	EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	64,821.27	282.31	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	169.40		
26 24 19 00-0268	Starter Accessories <small>(26 24 19)</small>			
26 24 19 00-0269	Starter Modifications <small>(26 24 19 00-0268)</small>			
26 24 19 00-0270	EA Control Circuit Transformer 60 Hertz, Size 1, 2, 50 VA Standard.....	103.88		
26 24 19 00-0271	EA Control Circuit Transformer 60 Hertz, Size 3, 4, 150 VA Standard.....	345.56		
26 24 19 00-0272	EA Control Circuit Transformer 60 Hertz, Size 5, 6, 50 VA	493.98		
26 24 19 00-0273	EA Control Circuit Transformer 60 Hertz, All Sizes, Extra 50 VA	124.05		
26 24 19 00-0274	EA Control Circuit Transformer 60 Hertz, All Sizes, Extra 100 VA	175.00		

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 19 00-0275	EA		Control Circuit Transformer 60 Hertz, All Sizes, Extra 150 VA.....	294.61	
26 24 19 00-0276	EA		Overload Relay Heater Elements, 3 Per Starter	73.10	
26 24 19 00-0277	EA		N.O. Overload Relay Alarm	62.02	
26 24 19 00-0278	EA		Control Circuit Fuses, Primary/Secondary	98.42	
26 24 19 00-0279	EA		Control Devices Type PB2 Mount On Device, 2 Unit Pushbutton	121.68	
26 24 19 00-0280	EA		Control Devices Type PB2 Mount On Device, 3 Unit Pushbutton	237.99	
26 24 19 00-0281	EA		Control Devices Type PB2 Mount On Device, 2 Or 3 Post Select	121.68	
26 24 19 00-0282	EA		Control Devices Type PB2 Mount On Device, Individual Light Full V	139.57	
26 24 19 00-0283	EA		Control Devices Type PB2 Mount On Device, Individual Light Transformer	168.20	
26 24 19 00-0284	EA		Control Devices Type PB2 Mount On Device, Individual Light Push To	198.62	
26 24 19 00-0285	EA		Blank Devices Panel	37.58	
26 24 19 00-0286	EA		Oversize Or Special Color Starter.....	59.05	
26 24 19 00-0287	EA		Mini Voltmeter/Ammeter With Current Transformer	518.55	
26 24 19 00-0288	EA		Mini Elapsed Time Meters, Non Resettable	470.24	
26 24 19 00-0289	EA		Panel Elapsed Time Meter, Resettable.....	697.86	
26 24 19 00-0290	EA		Terminal Blocks, Side Mounted, Press Connection, Plug-In Press.....	59.05	
26 24 19 00-0291	EA		Terminal Blocks, Side Mounted, Press Connection, Plug-In Screw	84.10	
26 24 19 00-0292	EA		Terminal Blocks, Front Mounted, Press Connection, Standard	59.05	
26 24 19 00-0293	EA		Terminal Blocks, Front Mounted, Press Connection, Plug-In.....	84.10	
26 24 19 00-0294	EA		Terminal Blocks, Front Mounted, Press Connection, Plug-Type Utility	84.10	
26 24 19 00-0295	EA		Terminal Blocks, Front Mounted, Press Connection, Plug-In Screw Type.....	121.68	
26 24 19 00-0296	EA		MOR - A Solid State Modular Overload Relay	302.41	
26 24 19 00-0297	EA		Heater Module	43.95	
26 24 19 00-0298	EA		LAM - Long Acceleration Module.....	273.01	
26 24 19 00-0299	EA		JAM - Jam Protection Module.....	312.96	
26 24 19 00-0300	EA		PUM - Phase Unbalance Module.....	593.96	
26 24 19 00-0301	EA		ULM - Underload Module.....	284.99	
26 24 19 00-0302	EA		Wiring To Common Control Circuit Transformer	62.59	
26 24 19 00-0303	EA		Handle Operator Separable Source Control Circuit	117.19	
26 24 19 00-0304	EA		Type SIS Control Wire	49.27	
26 24 19 00-0305	EA		Ring Or Spade Terminals Control	62.59	
26 24 19 00-0306	EA		Ring Terminals Power.....	62.59	
26 24 19 00-0307	EA		14 Gauge Control Wire	49.27	
26 24 19 00-0308	EA		Wiremakers.....	62.59	
26 24 19 00-0309	EA		Wiring Diagram On Door.....	37.29	
26 24 19 00-0310	EA		Special Color Or Type Control Wire.....	45.28	
26 24 19 00-0311	EA		Current Transformer 12.5 VA.....	355.57	
26 24 19 00-0312	EA		Ground Fault Relay-Instant Non-Adjust, Size 1 Thru 4.....	1,135.97	
26 24 19 00-0313	EA		Ground Fault Relay-Instant Non-Adjust, Size 5 Thru 6.....	1,278.47	

26 24 19 00-0314 Control Relays And Special Components (26 24 19 00-0268)

26 24 19 00-0315	EA		Control Relays, 600 Volt, 2 Pole	718.82	
26 24 19 00-0316	EA		Control Relays, 600 Volt, 4 Pole	841.15	
26 24 19 00-0317	EA		Control Relays, 600 Volt, 6 Pole	972.31	
26 24 19 00-0318	EA		Control Relays, 600 Volt, 8 Pole	1,075.60	
26 24 19 00-0319	EA		Control Relays, Pneumatic Timer	977.86	
26 24 19 00-0320	EA		Control Relays, Motor Driven Timer.....	2,548.15	
26 24 19 00-0321	EA		Control Relays, 7 Day Time Switch.....	3,207.19	
26 24 19 00-0322	EA		Control Relays, 24 Hour Time Switch	899.35	
26 24 19 00-0323	EA		Control Relays, Phase Voltage	1,529.84	
26 24 19 00-0324	EA		Control Relays, Two Circuit Alternator	2,141.30	
26 24 19 00-0325	EA		Control Relays, Manual 120 Volt.....	209.37	
26 24 19 00-0326	EA		Control Relays, Over-Current Relay	2,540.96	
26 24 19 00-0327	EA		Control Relays, UV-Relay	2,152.09	
26 24 19 00-0328	EA		Control Relays, Over-Current Relay	2,152.09	
26 24 19 00-0329	EA		Control Relays, Teleductor	1,577.43	
26 24 19 00-0330	EA		Control Relays, Current Transducer	4,242.16	
26 24 19 00-0331	EA		Control Relays, Watt Transducer	8,484.32	
26 24 19 00-0332	EA		Control Relays, Blank, Add For Each 1x.....	287.89	
26 24 19 00-0333	EA		Control Relays, Fixed Mounted Back Pan, 20" Structure With Wireway	430.64	
26 24 19 00-0334	EA		Control Relays, Fixed Mounted Back Pan, 24" Structure With Wireway	485.36	
26 24 19 00-0335	EA		Control Relays, Fixed Mounted Back Pan, 280" Structure With Wireway	540.08	
26 24 19 00-0336	EA		Control Relays, Fixed Mounted Back Pan, 20" Structure Without Wireway	485.36	
26 24 19 00-0337	EA		Control Relays, Fixed Mounted Back Pan, 24" Structure Without Wireway	540.08	
26 24 19 00-0338	EA		Control Relays, Fixed Mounted Back Pan, 2820" Structure Without Wireway	568.63	

26 24 19 00-0339 Circuit Breaker Modifications/Accessories (26 24 19 00-0268)

26 24 19 00-0340	EA		Circuit Breaker, Shunt Trip.....	267.29	
26 24 19 00-0341	EA		Circuit Breaker, Auxiliary Switch	92.32	
26 24 19 00-0342	EA		Circuit Breaker, Key Interlock.....	332.07	
26 24 19 00-0343	EA		Circuit Breaker, GFR Ground Fault	1,530.80	
26 24 19 00-0344	EA		Circuit Breaker, Seltronic Breaker.....	886.76	

26 24 19 00-0345 Incoming Line And Feeder Circuit Breakers (26 24 19 00-0268)

26 24 19 00-0346	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100	1,113.00	57.35
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.40	
26 24 19 00-0347	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150	1,925.87	88.22
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.94	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0348	EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/100 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,851.65 34.40	57.35	
26 24 19 00-0349	EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/150 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,662.95 52.94	88.22	
26 24 19 00-0350	EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150/150 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,415.59 52.94	88.22	
26 24 19 00-0351	EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 250 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,121.90 68.83	114.69	
26 24 19 00-0352	EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 400 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,430.23 74.12	123.51	
26 24 19 00-0353	EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 600 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,523.84 95.24	158.80	
26 24 19 00-0354	EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 800 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,332.43 145.61	242.62	
26 24 19 00-0355	EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 1200 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,556.33 219.85	366.13	
26 24 19 00-0356	EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2000 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,502.88 290.89	485.22	
26 24 19 00-0357	EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2500 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,636.73 364.90	608.73	
26 24 19 00-0358	EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 3000 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41,042.89 423.83	705.70	
26 24 19 00-0359	EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,335.37 34.40	57.35	
26 24 19 00-0360	EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,142.02 52.94	88.22	
26 24 19 00-0361	EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,335.37 34.40	57.35	
26 24 19 00-0362	EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/50 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,142.02 52.94	88.22	
26 24 19 00-0363	EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/150 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,263.73 34.40	57.35	
26 24 19 00-0364	EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150/150 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,101.47 52.94	88.22	
26 24 19 00-0365	EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,844.78 52.94	88.22	
26 24 19 00-0366	EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 100 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,034.72 52.94	88.22	
26 24 19 00-0367	EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 400 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,158.27 145.61	242.62	
26 24 19 00-0368	EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-225 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,158.27 145.61	242.62	
26 24 19 00-0369	EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-400 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,935.86 158.73	264.66	
26 24 19 00-0370	EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-600 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,656.83 185.19	308.78	
26 24 19 00-0371	EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-800 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,963.53 219.85	366.13	
26 24 19 00-0372	Incoming Line And Feeder Fusible Switches (26 24 19 00-0268)			
26 24 19 00-0373	EA Incoming Line And Feeder Fusible Switches, 30 Or 60 Amps	1,116.66	88.22	
26 24 19 00-0374	EA Incoming Line And Feeder Fusible Switches, 30 Dual / 60 Dual	1,701.29	88.22	
26 24 19 00-0375	EA Incoming Line And Feeder Fusible Switches, 100 Amps	1,927.99	110.28	
26 24 19 00-0376	EA Incoming Line And Feeder Fusible Switches, 200 Amps	3,124.43	132.33	
26 24 19 00-0377	EA Incoming Line And Feeder Fusible Switches, 400 Amps	6,137.17	167.62	
26 24 19 00-0378	EA Incoming Line And Feeder Fusible Switches, 600 Amps	8,605.05	220.56	
26 24 19 00-0379	EA Incoming Line And Feeder Fusible Switches, 800 Amps	20,873.03	295.54	
26 24 19 00-0380	EA Incoming Line And Feeder Fusible Switches, 1,200 Amps	23,567.67	410.24	
26 24 19 00-0381	Dry Type Distribution Transformers (26 24 19 00-0268)			
26 24 19 00-0382	EA 500 VA, Phase 1, Dry Type Distribution Transformers	1,060.54		
26 24 19 00-0383	EA 750 VA, Phase 1, Dry Type Distribution Transformers	1,094.75		
26 24 19 00-0384	EA 1,000 VA, Phase 1, Dry Type Distribution Transformers	1,130.51		
26 24 19 00-0385	EA 1,500 VA, Phase 1, Dry Type Distribution Transformers	1,296.90		
26 24 19 00-0386	EA 2,000 VA, Phase 1, Dry Type Distribution Transformers	1,405.75		
26 24 19 00-0387	EA 3,000 VA, Phase 1, Dry Type Distribution Transformers	1,428.95		
26 24 19 00-0388	EA 5,000 VA, Phase 1, Dry Type Distribution Transformers	1,912.70		
26 24 19 00-0389	EA 7,500 VA, Phase 1, Dry Type Distribution Transformers	2,155.28		
26 24 19 00-0390	EA 9,000 VA, Phase 3, Dry Type Distribution Transformers	5,010.33		
26 24 19 00-0391	EA 10,000 VA, Phase 1, Dry Type Distribution Transformers	2,659.11		
26 24 19 00-0392	EA 15,000 VA, Phase 1, Dry Type Distribution Transformers	3,683.88		
26 24 19 00-0393	EA 15,000 VA, Phase 3, Dry Type Distribution Transformers	5,741.20		
26 24 19 00-0394	EA 20,000 VA, Phase 1, Dry Type Distribution Transformers	5,316.67		
26 24 19 00-0395	EA 30,000 VA, Phase 1, Dry Type Distribution Transformers	7,367.76		
26 24 19 00-0396	EA 30,000 VA, Phase 3, Dry Type Distribution Transformers	6,831.82		
26 24 19 00-0397	EA 45,000 VA, Phase 1, Dry Type Distribution Transformers	9,463.33		
26 24 19 00-0398	Metering Equipment (26 24 19 00-0268)			
26 24 19 00-0399	EA Metering Equipment, Voltmeter, Panel Type	576.18		

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0400	EA		Metering Equipment, Voltmeter, Switchboard Type	1,259.72	
26 24 19 00-0401	EA		Metering Equipment, Ammeter, Panel	518.92	
26 24 19 00-0402	EA		Metering Equipment, Ammeter, Switchboard Type	1,259.72	
26 24 19 00-0403	EA		Metering Equipment, Voltmeter/Ammeter, Switch	699.65	
26 24 19 00-0404	EA		Metering Equipment, Control Switch, 4 Circuits	742.59	
26 24 19 00-0405	EA		Add For Additional Circuits	73.25	
26 24 19 00-0406	EA		Metering Equipment, Indicating Wattmeter	2,598.18	
26 24 19 00-0407	EA		Metering Equipment, Indicating Power Factor	2,721.65	
26 24 19 00-0408	EA		Metering Equipment, Integrating Watt-hour	2,399.56	
26 24 19 00-0409	EA		Add For Demand Attachment	479.43	
26 24 19 00-0410	EA		Metering Equipment, Current Transformer, 800 Amp	717.54	
26 24 19 00-0411	EA		Metering Equipment, Current Transformer, 1,000 Amp	1,238.25	
26 24 19 00-0412	EA		Metering Equipment, Current Transformer, 2,000 Amp	1,442.24	
26 24 19 00-0413	EA		Metering Equipment, Potential Transformer	1,202.46	
26 24 19 00-0414	EA		Metering Equipment, Surge Arrester	1,293.72	
26 24 19 00-0415	EA		Metering Equipment, Ground Detector System	989.53	
26 24 19 00-0416			Current Limiting Reactors (26 24 19 00-0268)		
26 24 19 00-0417	EA		Current Limiting Reactors, 600 Amps	19,193.82	
26 24 19 00-0418	EA		Current Limiting Reactors, 800 Amps	27,951.79	
26 24 19 00-0419	EA		Current Limiting Reactors, 1,000 Amps	36,729.97	
26 24 19 00-0420	EA		Current Limiting Reactors, 1,200 Amps	55,909.80	
26 24 19 00-0421			Incoming Line Cable Space Requirements, Main Lugs Only (26 24 19 00-0268)		
26 24 19 00-0422	EA		Incoming Line Cable Space Requirement, 350 MCC, 2 Screw	480.68	
26 24 19 00-0423	EA		Incoming Line Cable Space Requirement, 350 MCC, 2 Crimp	480.68	
26 24 19 00-0424	EA		Incoming Line Cable Space Requirement, 350 MCC, 4 Screw	664.54	
26 24 19 00-0425	EA		Incoming Line Cable Space Requirement, 350 MCC, 4 Crimp	1,216.11	
26 24 19 00-0426	EA		Incoming Line Cable Space Requirement, 600 MCC, 2 Screw	664.54	
26 24 19 00-0427	EA		Incoming Line Cable Space Requirement, 600 MCC, 2 Crimp	848.40	
26 24 19 00-0428	EA		Incoming Line Cable Space Requirement, 600 MCC, 4 Screw	848.40	
26 24 19 00-0429	EA		Incoming Line Cable Space Requirement, 600 MCC, 4 Crimp	1,213.89	
26 24 19 00-0430	EA		Incoming Line Cable Space Requirement, 750 MCC, 2 Screw	848.40	
26 24 19 00-0431	EA		Incoming Line Cable Space Requirement, 750 MCC, 2 Crimp	1,213.89	
26 24 19 00-0432	EA		Incoming Line Cable Space Requirement, 750 MCC, 4 Screw	1,032.25	
26 24 19 00-0433	EA		Incoming Line Cable Space Requirement, 750 MCC, 4 Crimp	3,347.07	
26 24 19 00-0434	EA		Incoming Line Cable Space Requirement, 1,000 MCC, 2 Screw	1,032.25	
26 24 19 00-0435	EA		Incoming Line Cable Space Requirement, 1,000 MCC, 2 Crimp	1,213.89	
26 24 19 00-0436	EA		Incoming Line Cable Space Requirement, 1,000 MCC, 4 Screw	3,347.07	
26 24 19 00-0437	EA		Incoming Line Cable Space Requirement, 1,000 MCC, 4 Crimp	3,347.07	
26 24 19 00-0438	EA		Bus Duct Transition Pull Box	521.89	
26 24 19 00-0439	EA		Throat And Transition To Substation	1,007.50	
26 24 19 00-0440	EA		Service Entrance Label	218.19	
26 24 19 00-0441	EA		Type W To 5 Star - 10" Transition	456.07	
26 24 19 00-0442	EA		600 Ampere Sub Feed Lugs On Main Bus	318.29	
26 24 19 00-0443			Standard Structures And Structure Options/Modifications (26 24 19 00-0268)		
26 24 19 00-0444	EA		Standard Structure Add For Each Additional 4" Of Structure Width	144.08	
26 24 19 00-0445	EA		Standard Structure Add For 8" Vertical Wireway In Lieu Of 4"	144.08	
26 24 19 00-0446	EA		Standard Structure Single Corner Section "L", 16" Depth	445.71	
26 24 19 00-0447	EA		Standard Structure Single Corner Section "L", 21" Depth	502.71	
26 24 19 00-0448	EA		Standard Structure Unused Space/Future Space	43.02	
26 24 19 00-0449	EA		Standard Structure NEMA 12 Dustproof	116.09	
26 24 19 00-0450	EA		Standard Structure Bottom Plate For NEMA 1 Gasket Enclosure	24.36	
26 24 19 00-0451	EA		Standard Structure 150 Watt Space	104.69	
26 24 19 00-0452	EA		Standard Structure Thermostat For Space Heater Control	387.54	
26 24 19 00-0453	EA		Standard Structure Rear Hinged Structure Door, 72" High	104.69	
26 24 19 00-0454	EA		Standard Structure NEMA 2 Drip Shield On Top Of MCC	250.37	
26 24 19 00-0455	EA		Standard Structure NEMA 3R N-Walk In Front Mounted	3,571.72	
26 24 19 00-0456	EA		Standard Structure NEMA 3R N-Walk In Back-to-back	4,128.39	
26 24 19 00-0457	EA		Standard Structure NEMA 3R Walk-In Aisle Front Mounted	4,132.38	
26 24 19 00-0458			Installation Hours For Vertical Sections (26 24 19 00-0268)		
26 24 19 00-0459	EA		Install Vertical Section, 230/480 Volt, 1 Section, 600 Amps	529.32	264.66
26 24 19 00-0460	EA		Install Vertical Section, 230/480 Volt, 2 Section, 600 Amps	793.97	397.01
26 24 19 00-0461	EA		Install Vertical Section, 230/480 Volt, 3 Section, 600 Amps	882.23	441.11
26 24 19 00-0462	EA		Install Vertical Section, 230/480 Volt, 4 Section, 600 Amps	1,058.77	529.34
26 24 19 00-0463	EA		Install Vertical Section, 230/480 Volt, Bolt To Floor, 600 Amps	88.22	44.11
26 24 19 00-0464	EA		Install Vertical Section, 230/480 Volt, 1 Section, 800 Amps	529.32	264.66
26 24 19 00-0465	EA		Install Vertical Section, 230/480 Volt, 2 Section, 800 Amps	793.97	397.01
26 24 19 00-0466	EA		Install Vertical Section, 230/480 Volt, 3 Section, 800 Amps	882.23	441.11
26 24 19 00-0467	EA		Install Vertical Section, 230/480 Volt, 4 Section, 800 Amps	1,058.77	529.34
26 24 19 00-0468	EA		Install Vertical Section, 230/480 Volt, Bolt To Floor, 800 Amps	88.22	44.11
26 24 19 00-0469	EA		Install Vertical Section, 230/480 Volt, 1 Section, 1,200 Amps	617.57	308.78
26 24 19 00-0470	EA		Install Vertical Section, 230/480 Volt, 2 Section, 1,200 Amps	793.97	397.01
26 24 19 00-0471	EA		Install Vertical Section, 230/480 Volt, 3 Section, 1,200 Amps	1,058.77	529.34



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0472 EA Install Vertical Section, 230/480 Volt, 4 Section, 1,200 Amps.....	1,234.97	617.47
26 24 19 00-0473 EA Install Vertical Section, 230/480 Volt, Bolt To Floor, 1,200 Amps.....	132.33	66.17
26 24 19 00-0474 EA Install Vertical Section, 230/480 Volt, 1 Section, 1,600 Amps.....	705.79	352.89
26 24 19 00-0475 EA Install Vertical Section, 230/480 Volt, 2 Section, 1,600 Amps.....	970.53	485.22
26 24 19 00-0476 EA Install Vertical Section, 230/480 Volt, 3 Section, 1,600 Amps.....	1,234.97	617.47
26 24 19 00-0477 EA Install Vertical Section, 230/480 Volt, 4 Section, 1,600 Amps.....	1,411.32	705.70
26 24 19 00-0478 EA Install Vertical Section, 230/480 Volt, Bolt To Floor, 1,600 Amps.....	176.45	88.22
26 24 19 00-0479 EA Install Vertical Section, 230/480 Volt, 1 Section, 2,000 Amps.....	705.79	352.89
26 24 19 00-0480 EA Install Vertical Section, 230/480 Volt, 2 Section, 2,000 Amps.....	1,058.77	529.34
26 24 19 00-0481 EA Install Vertical Section, 230/480 Volt, 3 Section, 2,000 Amps.....	1,323.20	661.58
26 24 19 00-0482 EA Install Vertical Section, 230/480 Volt, 4 Section, 2,000 Amps.....	1,499.88	749.99
26 24 19 00-0483 EA Install Vertical Section, 230/480 Volt, Bolt To Floor, 2,000 Amps.....	176.45	88.22
26 24 19 00-0484 Motor Control Centers (26 24 19)		
26 24 19 00-0485 2.4 KV Motor Control Centers (26 24 19 00-0484)		
26 24 19 00-0486 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 100 To 300 Hp.....	14,917.26	176.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.87	
26 24 19 00-0487 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 400 Hp.....	14,917.26	176.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.87	
26 24 19 00-0488 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 600 Hp.....	14,917.26	176.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.87	
26 24 19 00-0489 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 700 Hp.....	14,961.40	198.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	119.11	
26 24 19 00-0490 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,000 Hp.....	15,887.36	220.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	132.33	
26 24 19 00-0491 EA 2.400 KV CL 11-202, Squirrel Cage Motor Control, 1,250 Hp.....	15,931.46	242.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	145.56	
26 24 19 00-0492 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,500 Hp.....	15,975.57	264.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	158.80	
26 24 19 00-0493 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,750 Hp.....	16,063.82	308.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	185.27	
26 24 19 00-0494 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,000 Hp.....	16,152.04	352.89
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	211.74	
26 24 19 00-0495 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,250 Hp.....	27,232.53	397.01
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	238.19	
26 24 19 00-0496 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,500 Hp.....	29,227.08	441.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	264.67	
26 24 19 00-0497 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 100 Hp.....	22,146.89	176.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.87	
26 24 19 00-0498 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 150 Hp.....	23,071.28	189.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	113.81	
26 24 19 00-0499 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 200 Hp.....	26,211.85	207.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	124.40	
26 24 19 00-0500 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 300 Hp.....	29,177.90	220.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	132.33	
26 24 19 00-0501 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 400 Hp.....	31,742.72	255.84
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	153.52	
26 24 19 00-0502 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 600 Hp.....	34,779.94	273.49
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	164.10	
26 24 19 00-0503 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 700 Hp.....	37,815.35	291.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	174.67	
26 24 19 00-0504 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,000 Hp.....	41,415.46	317.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	190.57	
26 24 19 00-0505 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,250 Hp.....	48,197.22	352.89
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	211.74	
26 24 19 00-0506 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,500 Hp.....	52,219.63	374.95
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	224.99	
26 24 19 00-0507 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,750 Hp.....	79,770.34	441.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	264.67	
26 24 19 00-0508 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 2,000 Hp.....	84,989.58	485.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	291.16	
26 24 19 00-0509 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 2,250 Hp.....	89,531.75	529.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	317.63	
26 24 19 00-0510 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 2,500 Hp.....	97,491.07	573.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	344.13	
26 24 19 00-0511 EA 2.4 KV CL 14-202, Synchronous Motor Control, 100 To 300 Hp.....	20,894.44	176.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.87	
26 24 19 00-0512 EA 2.4 KV CL 14-202, Synchronous Motor Control, 400 Hp.....	20,938.58	198.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	119.11	
26 24 19 00-0513 EA 2.4 KV CL 14-202, Synchronous Motor Control, 600 Hp.....	20,982.66	220.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	132.33	
26 24 19 00-0514 EA 2.4 KV CL 14-202, Synchronous Motor Control, 700 Hp.....	21,026.76	242.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	145.56	
26 24 19 00-0515 EA 2.4 KV CL 14-202, Synchronous Motor Control, 1,000 Hp.....	21,074.44	264.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	158.80	
26 24 19 00-0516 EA 2,400 Volt CL 14-202, Synchronous Motor Control, 1,250 HP.....	21,118.59	286.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	172.04	
26 24 19 00-0517 EA 2.4 KV CL 14-202, Synchronous Motor Control, 1,500 Hp.....	21,162.69	308.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	185.27	
26 24 19 00-0518 EA 2.4 KV CL 14-202, Synchronous Motor Control, 1,750 Hp.....	21,339.09	397.01
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	238.19	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24	19 00-0519	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,000 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36,397.91 264.67	441.11
26 24	19 00-0520	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,250 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36,486.21 291.16	485.22
26 24	19 00-0521	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38,470.05 317.63	529.34
26 24	19 00-0522	EA	Add For Reversing Starters, 100 To 700 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,211.35 52.94	
26 24	19 00-0523	EA	Add For Reversing Starters, 1,000 To 1,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,460.77 52.94	
26 24	19 00-0524	EA	Add For Reversing Starters, 1,750 To 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,959.25 52.94	
26 24 19 00-0525 4.8 KV Motor Control Centers (26 24 19 00-0484)					
26 24	19 00-0526	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 100 To 600 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,224.99 158.80	264.66
26 24	19 00-0527	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 700 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,269.14 172.04	286.72
26 24	19 00-0528	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,313.24 185.27	308.78
26 24	19 00-0529	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,357.38 198.51	330.84
26 24	19 00-0530	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,274.43 211.74	352.89
26 24	19 00-0531	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,750 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,318.59 224.99	374.95
26 24	19 00-0532	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,362.61 238.19	397.01
26 24	19 00-0533	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,406.80 251.45	419.05
26 24	19 00-0534	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,450.87 264.67	441.11
26 24	19 00-0535	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29,589.92 344.13	573.54
26 24	19 00-0536	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29,677.80 370.49	617.47
26 24	19 00-0537	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,663.41 396.96	661.58
26 24	19 00-0538	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,751.53 423.40	705.70
26 24	19 00-0539	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 100 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,576.30 158.80	264.66
26 24	19 00-0540	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 150 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,869.87 172.04	286.72
26 24	19 00-0541	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 200 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,673.09 185.27	308.78
26 24	19 00-0542	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 300 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29,647.92 198.51	330.84
26 24	19 00-0543	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 400 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32,186.21 211.74	352.89
26 24	19 00-0544	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 600 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35,232.32 224.99	374.95
26 24	19 00-0545	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 700 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38,091.23 238.19	397.01
26 24	19 00-0546	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41,867.82 251.45	419.05
26 24	19 00-0547	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48,503.71 264.67	441.11
26 24	19 00-0548	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53,012.47 277.91	463.17
26 24	19 00-0549	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,750 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57,565.34 304.38	507.28
26 24	19 00-0550	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61,331.21 317.63	529.34
26 24	19 00-0551	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64,883.14 330.83	551.40
26 24	19 00-0552	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69,853.50 344.13	573.54
26 24	19 00-0553	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	110,755.44 423.40	705.70
26 24	19 00-0554	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123,172.50 449.96	749.99
26 24	19 00-0555	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	148,068.98 476.38	794.00
26 24	19 00-0556	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	156,629.45 476.38	794.00
26 24	19 00-0557	EA	4.8 KV CL 14-202, Synchronous Motor Control, 100 To 600 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,286.86 185.27	308.78
26 24	19 00-0558	EA	4.8 KV CL 14-202, Synchronous Motor Control, 700 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,331.00 198.51	330.84
26 24	19 00-0559	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,375.08 211.74	352.89



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0560	EA		4.8 KV CL 14-202, Synchronous Motor Control, 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,419.24 224.99	374.95
26 24 19 00-0561	EA		4.8 KV CL 14-202, Synchronous Motor Control, 1,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,341.04 238.19	397.01
26 24 19 00-0562	EA		4.8 KV CL 14-202, Synchronous Motor Control, 1,750 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,385.23 251.45	419.05
26 24 19 00-0563	EA		4.8 KV CL 14-202, Synchronous Motor Control, 2,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,429.30 264.67	441.11
26 24 19 00-0564	EA		4.8 KV CL 14-202, Synchronous Motor Control, 2,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,473.43 277.91	463.17
26 24 19 00-0565	EA		4.8 KV CL 14-202, Synchronous Motor Control, 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,517.60 291.16	485.22
26 24 19 00-0566	EA		4.8 KV CL 14-202, Synchronous Motor Control, 3,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,782.04 370.49	617.47
26 24 19 00-0567	EA		4.8 KV CL 14-202, Synchronous Motor Control, 3,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40,090.26 396.96	661.58
26 24 19 00-0568	EA		4.8 KV CL 14-202, Synchronous Motor Control, 4,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42,066.85 423.40	705.70
26 24 19 00-0569	EA		4.8 KV CL 14-202, Synchronous Motor Control, 4,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42,066.85 423.40	705.70
26 24 19 00-0570	EA		Add For Reversing Starters, 100 To 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,166.71 52.94	
26 24 19 00-0571	EA		Add For Reversing Starters, 1,500 To 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,476.83 52.94	
26 24 19 00-0572	EA		Add For Reversing Starters, 3,000 To 4,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,070.04 52.94	
26 24 19 00-0573			2.4/4.8 KV Motor Control Centers, Accessories <small>(26 24 19 00-0484)</small>		
26 24 19 00-0574	EA		2.4/4.8 KV Load Break Disconnect Switch 600 Amp	13,200.67	176.45
26 24 19 00-0575	EA		2.4/4.8 KV Load Break Disconnect Switch 1,200 Amp	15,838.11	264.66
26 24 19 00-0576	EA		2.4/4.8 KV NEMA 3 Weather Resistant	5,229.93	
26 24 19 00-0577	EA		2.4/4.8 KV Space Heaters	192.48	13.23
26 24 19 00-0578	EA		2.4/4.8 KV Potential Transformer Fused	1,515.15	
26 24 19 00-0579	EA		2.4/4.8 KV Current Transformer 600 Volt, 5 KVA	812.95	
26 24 19 00-0580	EA		2.4/4.8 KV Control Transformer 4 KVA Max	2,421.14	
26 24 19 00-0581	EA		2.4/4.8 KV Pushbuttons Each	155.06	
26 24 19 00-0582	EA		2.4/4.8 KV Selector Switch Each	513.91	
26 24 19 00-0583	EA		2.4/4.8 KV Indicating Light	155.06	
26 24 19 00-0584	EA		2.4/4.8 KV Push To Test Light	469.61	
26 24 19 00-0585	EA		2.4/4.8 KV AC Voltmeter, Switchboard Type	1,249.34	
26 24 19 00-0586	EA		2.4/4.8 KV AC Ammeter, Switchboard Type	1,249.34	
26 24 19 00-0587	EA		2.4/4.8 KV Power Factor Meter	3,736.93	
26 24 19 00-0588	EA		2.4/4.8 KV Watt Hr Meter, 2 Element Drawout	2,576.20	
26 24 19 00-0589	EA		2.4/4.8 KV Operation Counter	496.08	13.23
26 24 19 00-0590	EA		2.4/4.8 KV Phase Failure Protection	3,592.56	44.11
26 24 19 00-0591	EA		2.4/4.8 KV Ground Protection	6,893.31	22.06
26 24 19 00-0592	EA		2.4/4.8 KV Synchronous Motor DC Protection	2,474.18	22.06
26 24 19 00-0593	EA		2.4/4.8 KV Lightning Arresters	2,946.97	13.23
26 24 19 00-0594	EA		2.4/4.8 KV Portable Lifting Mechanism	4,257.16	
26 24 19 00-0595	EA		2.4/4.8 KV Auxiliary Timing Relay	473.64	44.11
26 24 19 00-0596	EA		2.4/4.8 KV Auxiliary Control Relay	343.10	44.11
26 24 19 00-0597			Incoming Section And Feeder Air Circuit Breakers <small>(26 24 19 00-0484)</small>		
Note: 3 Pole. Includes structure.					
26 24 19 00-0598	EA		Incoming Section MCC, Air Circuit Breaker, 70 - 100 Amp, 14,000 Amp IC, 3-Pole, With Structure Included	1,072.63	264.42
26 24 19 00-0599	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 225 Amp, 22,000 Amp IC, 3-Pole, With Structure Included	1,858.67	468.03
26 24 19 00-0600	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 30,000 Amp IC, 3-Pole, With Structure Included	2,208.02	599.27
26 24 19 00-0601	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 600 Amp, 30,000 Amp IC, 3-Pole, With Structure Included	3,553.77	965.01
26 24 19 00-0602	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 1,200 Amp, 30,000 Amp IC, 3-Pole, With Structure Included	4,194.30	1,061.52
26 24 19 00-0603	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 2,000 Amp, 30,000 Amp IC, 3-Pole, With Structure Included	5,475.07	1,177.32
26 24 19 00-0604	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 45,000 Amp IC, 3-Pole, With Structure Included	6,368.70	1,379.97
26 24 19 00-0605	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 100,000 Amp IC, 3-Pole, With Structure Included	11,273.89	1,607.72
26 24 19 00-0606			Main Lugs Only <small>(26 24 19 00-0484)</small>		
26 24 19 00-0607	EA		600 Amp Incoming Section, Main Lugs	817.10	337.76
26 24 19 00-0608	EA		800 Amp Incoming Section, Main Lugs	885.42	337.76
26 24 19 00-0609	EA		1,200 Amp Incoming Section, Main Lugs	1,231.88	530.76
26 24 19 00-0610	EA		2,000 Amp Incoming Section, Main Lugs	3,134.12	965.01
26 24 19 00-0611	EA		3,000 Amp Incoming Section, Main Lugs	4,782.69	1,399.27
26 24 19 00-0612	EA		4,000 Amp Incoming Section, Main Lugs	6,858.11	1,930.03
26 24 19 00-0613			Incoming Main Circuit Breaker Structure <small>(26 24 19 00-0484)</small>		
Note: Includes structure, main breaker, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.					

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0614 EA 225 Amp, Main Circuit Breaker Section	6,026.53	466.97
For 800 Amp Tin Plated Copper Bus, Add	182.00	
For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
For NEMA 1 With Gaskets, Add	97.00	
For NEMA 12, Add	245.00	
For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0615 EA 400 Amp, Main Circuit Breaker Section	12,910.75	599.85
For 800 Amp Tin Plated Copper Bus, Add	182.00	
For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
For NEMA 1 With Gaskets, Add	97.00	
For NEMA 12, Add	245.00	
For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0616 EA 600 Amp, Main Circuit Breaker Section	13,311.46	934.33
For 800 Amp Tin Plated Copper Bus, Add	182.00	
For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
For NEMA 1 With Gaskets, Add	97.00	
For NEMA 12, Add	245.00	
For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0617 EA 800 Amp, Main Circuit Breaker Section	19,031.98	934.33
For 800 Amp Tin Plated Copper Bus, Add	182.00	
For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
For NEMA 1 With Gaskets, Add	97.00	
For NEMA 12, Add	245.00	
For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0618 EA 1,200 Amp, Main Circuit Breaker Section	27,635.46	1,057.17
For 800 Amp Tin Plated Copper Bus, Add	182.00	
For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
For NEMA 1 With Gaskets, Add	97.00	
For NEMA 12, Add	245.00	
For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0619 Incoming Fusible Main Disconnect Section <small>(26 24 19 00-0484)</small>		
Note: Includes structure, fuses, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.		
26 24 19 00-0620 EA 200 Amp, Fusible Main Disconnect Section	5,214.22	467.55
For 800 Amp Tin Plated Copper Bus, Add	182.00	
For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
For NEMA 1 With Gaskets, Add	97.00	
For NEMA 12, Add	245.00	
For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0621 EA 400 Amp, Fusible Main Disconnect Section	7,213.08	600.14
For 800 Amp Tin Plated Copper Bus, Add	182.00	
For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
For NEMA 1 With Gaskets, Add	97.00	
For NEMA 12, Add	245.00	
For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0622 EA 600 Amp, Fusible Main Disconnect Section	14,163.04	935.10
For 800 Amp Tin Plated Copper Bus, Add	182.00	
For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
For NEMA 1 With Gaskets, Add	97.00	
For NEMA 12, Add	245.00	
For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0623 EA 800 Amp, Fusible Main Disconnect Section	16,509.71	935.10
For 800 Amp Tin Plated Copper Bus, Add	182.00	
For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
For NEMA 1 With Gaskets, Add	97.00	
For NEMA 12, Add	245.00	
For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0624 EA 1,200 Amp, Fusible Main Disconnect Section	23,329.81	1,058.14
For 800 Amp Tin Plated Copper Bus, Add	182.00	
For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
For NEMA 1 With Gaskets, Add	97.00	
For NEMA 12, Add	245.00	
For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0625 Circuit Breaker Combination Starters <small>(26 24 19 00-0484)</small>		
26 24 19 00-0626 Class I, Type A <small>(26 24 19 00-0625)</small>		
26 24 19 00-0627 EA Size 1, Class I, Type A Circuit Breaker Combination Starter	904.14	195.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	111.69	
26 24 19 00-0628 EA Size 2, Class I, Type A Circuit Breaker Combination Starter	1,054.39	195.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	123.72	
26 24 19 00-0629 EA Size 3, Class I, Type A Circuit Breaker Combination Starter	1,536.24	277.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	166.38	
26 24 19 00-0630 EA Size 4, Class I, Type A Circuit Breaker Combination Starter	2,523.54	365.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	219.32	
26 24 19 00-0631 EA Size 5, Class I, Type A Circuit Breaker Combination Starter	4,571.41	457.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	274.16	
26 24 19 00-0632 Class I, Type B <small>(26 24 19 00-0625)</small>		
26 24 19 00-0633 EA Size 1, Class I, Type B Circuit Breaker Combination Starter	859.61	170.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	96.50	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 24 19 00-0634	EA		Size 2, Class I, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,004.24 108.68	170.81
	26 24 19 00-0635	EA		Size 3, Class I, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,476.51 148.46	247.04
	26 24 19 00-0636	EA		Size 4, Class I, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,462.61 201.05	334.86
	26 24 19 00-0637	EA		Size 5, Class I, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,522.27 259.41	427.50
26 24 19 00-0638	Class I, Type C <small>(26 24 19 00-0625)</small>					
	26 24 19 00-0639	EA		Size 1, Class I, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	911.69 87.41	158.26
	26 24 19 00-0640	EA		Size 2, Class I, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,064.69 102.66	158.26
	26 24 19 00-0641	EA		Size 3, Class I, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,586.22 141.92	236.42
	26 24 19 00-0642	EA		Size 4, Class I, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,577.81 196.14	327.14
	26 24 19 00-0643	EA		Size 5, Class I, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,630.72 251.31	419.79
26 24 19 00-0644	Class II, Type B <small>(26 24 19 00-0625)</small>					
	26 24 19 00-0645	EA		Size 1, Class II, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	898.14 132.56	234.50
	26 24 19 00-0646	EA		Size 2, Class II, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,253.14 148.01	234.50
	26 24 19 00-0647	EA		Size 3, Class II, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,783.69 187.02	312.66
	26 24 19 00-0648	EA		Size 4, Class II, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,934.33 241.26	400.48
	26 24 19 00-0649	EA		Size 5, Class II, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,341.11 294.21	489.26
26 24 19 00-0650	Class II, Type C <small>(26 24 19 00-0625)</small>					
	26 24 19 00-0651	EA		Size 1, Class II, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,133.95 126.98	221.96
	26 24 19 00-0652	EA		Size 2, Class II, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,304.41 138.65	221.96
	26 24 19 00-0653	EA		Size 3, Class II, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,898.43 181.39	303.01
	26 24 19 00-0654	EA		Size 4, Class II, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,042.44 234.23	390.83
	26 24 19 00-0655	EA		Size 5, Class II, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,462.81 290.67	482.51
26 24 19 00-0656	Fused Disconnect Combination Starter <small>(26 24 19 00-0484)</small>					
26 24 19 00-0657	Class I, Type A <small>(26 24 19 00-0656)</small>					
	26 24 19 00-0658	EA		Size 1, Class I, Type A Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	823.16 108.68	180.46
	26 24 19 00-0659	EA		Size 2, Class I, Type A Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,245.29 148.01	247.04
	26 24 19 00-0660	EA		Size 3, Class I, Type A Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,990.15 193.01	321.35
	26 24 19 00-0661	EA		Size 4, Class I, Type A Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,720.66 271.07	450.67
	26 24 19 00-0662	EA		Size 5, Class I, Type A Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,799.87 344.65	574.18
26 24 19 00-0663	Class I, Type B <small>(26 24 19 00-0656)</small>					
	26 24 19 00-0664	EA		Size 1, Class I, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	841.94 96.50	161.16
	26 24 19 00-0665	EA		Size 2, Class I, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,133.24 132.56	220.98
	26 24 19 00-0666	EA		Size 3, Class I, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,681.56 177.39	295.30
	26 24 19 00-0667	EA		Size 4, Class I, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,823.27 256.65	426.54
	26 24 19 00-0668	EA		Size 5, Class I, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,889.29 326.02	542.34
26 24 19 00-0669	Class I, Type C <small>(26 24 19 00-0656)</small>					
	26 24 19 00-0670	EA		Size 1, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	894.10 90.36	150.54
	26 24 19 00-0671	EA		Size 2, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,201.27 123.72	204.58

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0672	EA		Size 3, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,833.06 172.32	284.68
26 24 19 00-0673	EA		Size 4, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,973.87 251.31	419.79
26 24 19 00-0674	EA		Size 5, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,621.83 321.67	536.55
26 24 19 00-0675			Class II, Type B <small>(26 24 19 00-0656)</small>		
26 24 19 00-0676	EA		Size 1, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,058.44 135.54	225.81
26 24 19 00-0677	EA		Size 2, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,368.97 168.71	281.78
26 24 19 00-0678	EA		Size 3, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,992.00 217.34	362.85
26 24 19 00-0679	EA		Size 4, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,258.69 294.21	489.26
26 24 19 00-0680	EA		Size 5, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,623.75 365.54	610.85
26 24 19 00-0681			Class II, Type C <small>(26 24 19 00-0656)</small>		
26 24 19 00-0682	EA		Size 1, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,102.54 126.98	212.31
26 24 19 00-0683	EA		Size 2, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,436.67 159.77	266.34
26 24 19 00-0684	EA		Size 3, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,120.34 207.98	346.45
26 24 19 00-0685	EA		Size 4, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,394.90 287.21	477.69
26 24 19 00-0686	EA		Size 5, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,756.34 354.79	591.56
26 24 19 00-0687			Space Complete With Bus And Hardware <small>(26 24 19 00-0484)</small>		
26 24 19 00-0688			Circuit Breaker Type <small>(26 24 19 00-0687)</small>		
26 24 19 00-0689	EA		Circuit Breaker Type, Size 1 Space Complete With Bus And Hardware.....	252.48	65.63
26 24 19 00-0690	EA		Circuit Breaker Type, Size 2 Space Complete With Bus And Hardware.....	252.48	65.63
26 24 19 00-0691	EA		Circuit Breaker Type, Size 3 Space Complete With Bus And Hardware.....	375.57	95.53
26 24 19 00-0692	EA		Circuit Breaker Type, Size 4 Space Complete With Bus And Hardware.....	443.12	125.45
26 24 19 00-0693	EA		Circuit Breaker Type, Size 5 Space Complete With Bus And Hardware.....	748.26	191.08
26 24 19 00-0694			Fused Disconnect Type <small>(26 24 19 00-0687)</small>		
26 24 19 00-0695	EA		Fused Disconnect Type, Size 1 Space Complete With Bus And Hardware.....	252.48	65.63
26 24 19 00-0696	EA		Fused Disconnect Type, Size 2 Space Complete With Bus And Hardware.....	332.85	95.53
26 24 19 00-0697	EA		Fused Disconnect Type, Size 3 Space Complete With Bus And Hardware.....	464.02	125.45
26 24 19 00-0698	EA		Fused Disconnect Type, Size 4 Space Complete With Bus And Hardware.....	806.60	191.08
26 24 19 00-0699	EA		Fused Disconnect Type, Size 5 Space Complete With Bus And Hardware.....	1,121.88	277.92
26 24 19 00-0700			Blank Space For Future Expansion <small>(26 24 19 00-0687)</small>		
			Note: Factory modified no labor costs.		
26 24 19 00-0701	EA		Blank Space For Future Expansion, Size 1 Factory Modified, No Crew Costs.....	121.72	
26 24 19 00-0702	EA		Blank Space For Future Expansion, Size 2 Factory Modified, No Crew Costs.....	121.72	
26 24 19 00-0703	EA		Blank Space For Future Expansion, Size 3 Factory Modified, No Crew Costs.....	184.55	
26 24 19 00-0704	EA		Blank Space For Future Expansion, Size 4 Factory Modified, No Crew Costs.....	184.55	
26 24 19 00-0705	EA		Blank Space For Future Expansion, Size 5 Factory Modified, No Crew Costs.....	367.13	
26 24 19 00-0706			Structure Combination Of Starters To 72" High <small>(26 24 19 00-0687)</small>		
26 24 19 00-0707	EA		Structure Combination Of Starters To 72" High	2,994.56	507.89
26 24 19 00-0708			Motor Control Center Basic Distribution Section <small>(26 24 19 00-0484)</small>		
26 24 19 00-0709	EA		20" Wide Basic Section With Vertical Wireway	4,915.36	1,322.65
			<i>For 20" Cabinet Depth, Add</i>	108.00	
			<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
			<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
			<i>For 1,600 Amp Tin Plated Copper Bus, Add</i>	402.00	
			<i>For 2,000 Amp Tin Plated Copper Bus, Add</i>	506.00	
			<i>For NEMA 1 With Gasket, Add</i>	97.00	
			<i>For NEMA 12, Add</i>	245.00	
			<i>For 600 Amp Tin Plated Copper Vertical, Add</i>	210.00	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0710	EA			25"-35" Wide Basic Section (No Vertical Wireway).....	4,915.36	1,322.65
				<i>For 20" Cabinet Depth, Add</i>	108.00	
				<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
				<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
				<i>For 1,600 Amp Tin Plated Copper Bus, Add</i>	402.00	
				<i>For 2,000 Amp Tin Plated Copper Bus, Add</i>	506.00	
				<i>For NEMA 1 With Gasket, Add</i>	97.00	
				<i>For NEMA 12, Add</i>	245.00	
				<i>For 600 Amp Tin Plated Copper Vertical, Add</i>	210.00	
26 24 19 00-0711	EA			25" Wide Basic Section With 9" Wide Vertical Wireway	5,450.26	1,322.65
				<i>For 20" Cabinet Depth, Add</i>	108.00	
				<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
				<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
				<i>For 1,600 Amp Tin Plated Copper Bus, Add</i>	402.00	
				<i>For 2,000 Amp Tin Plated Copper Bus, Add</i>	506.00	
				<i>For NEMA 1 With Gasket, Add</i>	97.00	
				<i>For NEMA 12, Add</i>	245.00	
				<i>For 600 Amp Tin Plated Copper Vertical, Add</i>	210.00	
26 24 19 00-0712	EA			Corner Section.....	5,450.26	1,322.65
				<i>For 20" Cabinet Depth, Add</i>	108.00	
				<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
				<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
				<i>For 1,600 Amp Tin Plated Copper Bus, Add</i>	402.00	
				<i>For 2,000 Amp Tin Plated Copper Bus, Add</i>	506.00	
				<i>For NEMA 1 With Gasket, Add</i>	97.00	
				<i>For NEMA 12, Add</i>	245.00	
				<i>For 600 Amp Tin Plated Copper Vertical, Add</i>	210.00	
26 24 19 00-0713				Motor Control Center Starters With HMCP Circuit Breaker <small>(26 24 19 00-0484)</small>		
				Note: Includes door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
26 24 19 00-0714				FVNR Starters With HMCP Circuit Breaker <small>(26 24 19 00-0713)</small>		
26 24 19 00-0715	EA			Class 1, Type A, Size 1 FVNR Starters With HMCP Circuit Breaker	1,302.23	185.77
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.45	
26 24 19 00-0716	EA			Class 1, Type A, Size 2 FVNR Starters With HMCP Circuit Breaker	1,449.58	206.04
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.62	
26 24 19 00-0717	EA			Class 1, Type A, Size 3 FVNR Starters With HMCP Circuit Breaker	2,526.78	276.96
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	166.19	
26 24 19 00-0718	EA			Class 1, Type A, Size 4 FVNR Starters With HMCP Circuit Breaker	3,671.22	365.16
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	219.12	
26 24 19 00-0719	EA			Class 1, Type A, Size 5 FVNR Starters With HMCP Circuit Breaker	8,433.20	456.36
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	273.84	
26 24 19 00-0720	EA			Class 1, Type A, Size 6 FVNR Starters With HMCP Circuit Breaker	19,828.42	456.36
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	273.84	
26 24 19 00-0721	EA			Class 1, Type B, Size 1 FVNR Starters With HMCP Circuit Breaker	1,319.32	160.68
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.40	
26 24 19 00-0722	EA			Class 1, Type B, Size 2 FVNR Starters With HMCP Circuit Breaker	1,488.02	180.94
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	108.56	
26 24 19 00-0723	EA			Class 1, Type B, Size 3 FVNR Starters With HMCP Circuit Breaker	2,589.58	247.04
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	148.22	
26 24 19 00-0724	EA			Class 1, Type B, Size 4 FVNR Starters With HMCP Circuit Breaker	3,678.76	334.86
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	200.93	
26 24 19 00-0725	EA			Class 1, Type B, Size 5 FVNR Starters With HMCP Circuit Breaker	8,453.28	432.33
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	259.41	
26 24 19 00-0726	EA			Class 1, Type B, Size 6 FVNR Starters With HMCP Circuit Breaker	19,971.11	432.33
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	259.41	
26 24 19 00-0727				Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <small>(26 24 19 00-0713)</small>		
26 24 19 00-0728	EA			Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,096.80	232.48
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	139.45	
26 24 19 00-0729	EA			Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,577.19	257.17
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	154.32	
26 24 19 00-0730	EA			Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	4,260.60	345.66
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	207.38	
26 24 19 00-0731	EA			Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	7,353.09	456.94
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	274.16	
26 24 19 00-0732	EA			Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	13,322.46	571.68
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	343.02	
26 24 19 00-0733	EA			Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,135.64	200.73
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	120.43	
26 24 19 00-0734	EA			Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,638.13	226.30
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	135.79	
26 24 19 00-0735	EA			Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	4,344.72	309.28
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	165.58	
26 24 19 00-0736	EA			Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	7,379.18	418.81
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	251.31	
26 24 19 00-0737	EA			Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	13,363.18	540.89
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	324.56	
26 24 19 00-0738				Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <small>(26 24 19 00-0713)</small>		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0739 EA Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,301.31 139.45	232.48
26 24 19 00-0740 EA Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,287.51 154.32	257.17
26 24 19 00-0741 EA Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,227.95 207.38	345.66
26 24 19 00-0742 EA Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,483.33 274.16	456.94
26 24 19 00-0743 EA Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,064.93 343.02	571.68
26 24 19 00-0744 EA Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,340.15 120.43	200.73
26 24 19 00-0745 EA Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,348.45 135.79	226.30
26 24 19 00-0746 EA Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,312.07 185.58	309.28
26 24 19 00-0747 EA Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,509.43 251.31	418.81
26 24 19 00-0748 EA Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,105.66 324.56	540.89
26 24 19 00-0749 Motor Control Center Starters With Fusible Disconnect <small>(26 24 19 00-0484)</small> Note: Includes fuses, door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
26 24 19 00-0750 FVNR Starters With Fusible Disconnect <small>(26 24 19 00-0749)</small>		
26 24 19 00-0751 EA Class 1, Type A, Size 1 FVNR Starters With Fusible Disconnect	1,045.30	181.14
26 24 19 00-0752 EA Class 1, Type A, Size 2 FVNR Starters With Fusible Disconnect	1,360.83	246.17
26 24 19 00-0753 EA Class 1, Type A, Size 3 FVNR Starters With Fusible Disconnect	2,284.50	320.78
26 24 19 00-0754 EA Class 1, Type A, Size 4 FVNR Starters With Fusible Disconnect	3,867.57	451.82
26 24 19 00-0755 EA Class 1, Type A, Size 5 FVNR Starters With Fusible Disconnect	7,828.03	574.37
26 24 19 00-0756 EA Class 1, Type A, Size 6 FVNR Starters With Fusible Disconnect	19,994.82	574.37
26 24 19 00-0757 EA Class 1, Type B, Size 1 FVNR Starters With Fusible Disconnect	1,070.65	160.58
26 24 19 00-0758 EA Class 1, Type B, Size 2 FVNR Starters With Fusible Disconnect	1,398.14	220.50
26 24 19 00-0759 EA Class 1, Type B, Size 3 FVNR Starters With Fusible Disconnect	2,356.89	295.68
26 24 19 00-0760 EA Class 1, Type B, Size 4 FVNR Starters With Fusible Disconnect	3,887.67	427.79
26 24 19 00-0761 EA Class 1, Type B, Size 5 FVNR Starters With Fusible Disconnect	7,834.09	543.40
26 24 19 00-0762 EA Class 1, Type B, Size 6 FVNR Starters With Fusible Disconnect	20,123.59	543.40
26 24 19 00-0763 Two Speed 2-Winding (TS2W) With Fusible Disconnect <small>(26 24 19 00-0749)</small>		
26 24 19 00-0764 EA Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect	1,815.50	226.78
26 24 19 00-0765 EA Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect	2,530.99	307.74
26 24 19 00-0766 EA Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect	3,931.83	400.77
26 24 19 00-0767 EA Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect	8,289.03	566.37
26 24 19 00-0768 EA Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect	13,530.54	662.77
26 24 19 00-0769 EA Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect	1,864.78	200.73
26 24 19 00-0770 EA Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect	2,589.06	275.42
26 24 19 00-0771 EA Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect	4,027.15	369.99
26 24 19 00-0772 EA Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect	8,326.12	533.75
26 24 19 00-0773 EA Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect	13,557.24	625.04
26 24 19 00-0774 Two Speed 1-Winding (TS1W) With Fusible Disconnect <small>(26 24 19 00-0749)</small>		
26 24 19 00-0775 EA Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect	2,123.62	226.78
26 24 19 00-0776 EA Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect	3,252.22	307.74
26 24 19 00-0777 EA Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect	5,919.64	400.77
26 24 19 00-0778 EA Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect	8,703.49	566.37
26 24 19 00-0779 EA Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect	16,512.25	662.77
26 24 19 00-0780 EA Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect	2,173.81	200.73
26 24 19 00-0781 EA Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect	3,310.29	275.42
26 24 19 00-0782 EA Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect	6,014.95	369.99
26 24 19 00-0783 EA Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect	8,740.59	533.75
26 24 19 00-0784 EA Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect	16,538.96	625.04
26 24 19 00-0785 Tin Plated Copper Bus Bar And Ground Bus Bar Splice Kit <small>(26 24 19 00-0484)</small> Note: Per section. Labor is included in basic distribution section.		
26 24 19 00-0786 EA 600 Amp Horizontal Tin Plated Copper Bus Kit	231.39	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.25	
26 24 19 00-0787 EA 800 Amp Horizontal Tin Plated Copper Bus Kit	284.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.25	
26 24 19 00-0788 EA 1,200 Amp Horizontal Tin Plated Copper Bus Kit	341.66	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.70	
26 24 19 00-0789 EA 1,600 Amp Horizontal Tin Plated Copper Bus Kit	445.27	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.70	
26 24 19 00-0790 EA 2,000 Amp Horizontal Tin Plated Copper Bus Kit	748.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.15	
26 24 19 00-0791 EA 1/4" x 2" Horizontal Tin Plated Copper Ground Bus Kit	132.03	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.80	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0792				Disconnect Switch For Motor Control Centers (26 24 19 00-0484)		
26 24 19 00-0793				3 Pole Circuit Breaker Disconnect For Motor Control Center (26 24 19 00-0792)		
				Note: Includes door, unit support pan, inverse time (Thermal Magnetic) circuit breaker, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0794	EA			150 Amp Rating, 15 To 100 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	661.77	139.45
26 24 19 00-0795	EA			150 Amp Rating, 125 To 150 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	1,116.20	154.41
26 24 19 00-0796	EA			225 Amp Rating, 70 To 225 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	1,370.91	207.96
26 24 19 00-0797	EA			400 Amp Rating, 125 To 400 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	2,241.57	274.07
26 24 19 00-0798	EA			600 Amp Rating, 300 To 600 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	3,811.57	342.58
26 24 19 00-0799	EA			800 Amp Rating, 400 To 800 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	4,325.51	342.58
26 24 19 00-0800	EA			1,200 Amp Rating, 600 To 1,200 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	8,781.88	428.95
26 24 19 00-0801				Fusible Disconnect Switch For Motor Control Center (26 24 19 00-0792)		
				Note: Includes door, unit support pan, fuses and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0802	EA			30 Amp Switch Rating, Fusible Disconnect Switch With 30 Amp Fuse Clips.....	721.08	135.58
26 24 19 00-0803	EA			60 Amp Switch Rating, Fusible Disconnect Switch With 60 Amp Fuse Clips.....	846.80	184.81
26 24 19 00-0804	EA			100 Amp Switch Rating, Fusible Disconnect Switch With 100 Amp Fuse Clips.....	1,162.73	236.42
26 24 19 00-0805	EA			200 Amp Switch Rating, Fusible Disconnect Switch With 200 Amp Fuse Clips.....	2,181.30	338.72
26 24 19 00-0806	EA			400 Amp Switch Rating, Fusible Disconnect Switch With 400 Amp Fuse Clips.....	3,897.88	430.79
26 24 19 00-0807	EA			600 Amp Switch Rating, Fusible Disconnect Switch With 600 Amp Fuse Clips.....	9,024.18	430.79
26 24 19 00-0808	EA			800 Amp Switch Rating, Fusible Disconnect Switch With 800 Amp Fuse Clips.....	11,155.13	538.48
26 24 19 00-0809	EA			1,200 Amp Switch Rating, Fusible Disconnect Switch With 1,200 Amp Fuse Clips.....	16,521.39	538.48
26 24 19 00-0810				Control Circuit Transformer (26 24 19 00-0484)		
26 24 19 00-0811	EA			Control Circuit Transformer, Size 1 Factory Installed	64.94	
26 24 19 00-0812	EA			Control Circuit Transformer, Size 2 Factory Installed	64.94	
26 24 19 00-0813	EA			Control Circuit Transformer, Size 3 Factory Installed	125.07	
26 24 19 00-0814	EA			Control Circuit Transformer, Size 4 Factory Installed	125.07	
26 24 19 00-0815	EA			Control Circuit Transformer, Size 5 Factory Installed	173.75	
26 24 19 00-0816	EA			Control Circuit Fuse And Holder Small Dim, Dual Element Time Delay	46.43	10.92
26 24 19 00-0817				Cover Mounted Control Devices (26 24 19 00-0484)		
26 24 19 00-0818	EA			Control Device, 2 Unit Push Button Station Cover Mounted.....	105.15	19.30
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.06	
26 24 19 00-0819	EA			Control Device, 2-3 Unit Selector Switch Cover Mounted.....	117.60	19.30
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.08	
26 24 19 00-0820	EA			Control Device, Pilot Light Cover Mounted	99.87	19.30
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.04	
26 24 19 00-0821	EA			Control Device, Hand-Off-Auto Switch Cover Mounted With Pilot Light	266.52	65.63
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.55	
26 24 19 00-0822	EA			Auxiliary Contact Add Per Starter	329.55	25.00
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.00	
26 24 19 00-0823				Extra Interlocks (26 24 19 00-0484)		
				Note: Per contact.		
26 24 19 00-0824	EA			Extra Interlocks, Class I, Type A Per Contact.....	68.13	12.54
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.04	
26 24 19 00-0825	EA			Extra Interlocks, Class I, Type B Per Contact.....	95.28	12.54
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.04	
26 24 19 00-0826	EA			Extra Interlocks, Class I, Type C Per Contact.....	106.57	12.54
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.54	
26 24 19 00-0827	EA			Extra Interlocks, Class II, Type B Per Contact.....	96.12	12.54
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.03	
26 24 19 00-0828	EA			Extra Interlocks, Class II, Type C Per Contact.....	102.04	12.54
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.55	
26 24 19 00-0829				Special Cabinet Provisions (26 24 19 00-0484)		
26 24 19 00-0830	EA			Provisions For Bus Duct Entrance Special Cabinet Provisions.....	812.93	
26 24 19 00-0831				Nameplate Requirements (26 24 19 00-0484)		
26 24 19 00-0832	EA			Special Cabinet Nameplate Requirements	28.86	
26 24 19 00-0833				Auxiliary Relays (26 24 19 00-0484)		
26 24 19 00-0834	EA			Industrial Control Relay, 10 Amp Class A600 With 2 Contacts.....	155.21	24.16
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.50	
26 24 19 00-0835	EA			Timing Relay, Solid State, DPDT 0.1-10 Sec Variable, Off-Delay	146.53	21.74
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.50	
26 24 19 00-0836	EA			General Purpose Control Relay, 240 Volt AC, 10 Amp, With Base	81.72	21.74
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.50	
26 24 19 00-0837				Motor Control Center Accessories (26 24 19 00-0484)		

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 24 19 00-0838 Lighting Transformer With Circuit Breaker (26 24 19 00-0837)
 Note: For 240 V, 480 V, or 600 V primary. Includes door, unit support pan, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure for MCC only.

26 24 19 00-0839	EA	1 Phase, 5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	4,661.79	309.09
26 24 19 00-0840	EA	1 Phase, 7.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	4,846.86	321.45
26 24 19 00-0841	EA	1 Phase, 10 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	5,303.84	346.17
26 24 19 00-0842	EA	1 Phase, 15 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	6,676.67	370.91
26 24 19 00-0843	EA	1 Phase, 25 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	8,992.07	395.63
26 24 19 00-0844	EA	1 Phase, 37.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	11,051.81	445.09
26 24 19 00-0845	EA	1 Phase, 50 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	14,534.60	494.53
26 24 19 00-0846	EA	3 Phase, 10 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	8,472.30	407.99
26 24 19 00-0847	EA	3 Phase, 15 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	9,204.45	445.09
26 24 19 00-0848	EA	3 Phase, 25 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	10,529.40	494.53
26 24 19 00-0849	EA	3 Phase, 30 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	11,167.79	543.99
26 24 19 00-0850	EA	3 Phase, 37.5 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	13,483.09	593.44
26 24 19 00-0851	EA	3 Phase, 45 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	13,907.69	642.90

26 24 19 00-0852 Bolt-On Lighting Panel (26 24 19 00-0837)
 Note: Includes door, T-handle, unit support pan, neutral bar (10 KA IC RMS), and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. For MCC only.

26 24 19 00-0853	EA	18 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	1,886.27	502.20
26 24 19 00-0854	EA	30 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	2,920.72	874.11
26 24 19 00-0855	EA	42 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	3,876.79	1,182.63
26 24 19 00-0856	EA	18 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	1,968.61	543.40
26 24 19 00-0857	EA	30 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	2,883.52	855.48
26 24 19 00-0858	EA	42 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	4,024.61	1,256.55
26 24 19 00-0859	EA	18 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	3,242.68	582.48
26 24 19 00-0860	EA	30 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	4,281.99	935.10
26 24 19 00-0861	EA	42 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	5,330.73	1,256.55
26 24 19 00-0862	EA	18 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	3,334.30	628.23
26 24 19 00-0863	EA	30 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	4,281.99	935.10
26 24 19 00-0864	EA	42 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	5,411.81	1,297.08

26 24 19 00-0865 Factory Installed Bolt-On Branch Circuit Breaker (26 24 19 00-0837)
 Note: For MCC lighting panel only.

26 24 19 00-0866	EA	15 A / 1 Pole - 30 A / 1 Pole Bolt-On Branch Circuit Breaker.....	15.36	
26 24 19 00-0867	EA	15 A / 1 Pole - 30 A / 1 Pole (GFI) Bolt-On Branch Circuit Breaker.....	250.53	
26 24 19 00-0868	EA	15 A / 2 Pole - 50 A / 2 Pole Bolt-On Branch Circuit Breaker.....	30.01	
26 24 19 00-0869	EA	60 A / 2 Pole - 100 A / 2 Pole Bolt-On Branch Circuit Breaker.....	69.10	
26 24 19 00-0870	EA	15 A / 3 Pole - 50 A / 3 Pole Bolt-On Branch Circuit Breaker.....	80.97	
26 24 19 00-0871	EA	60 A / 3 Pole - 100 A / 3 Pole Bolt-On Branch Circuit Breaker.....	122.85	

26 24 19 00-0872 Blank Unit Door (BUD) (26 24 19 00-0837)
 Note: With NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Factory installed.

26 24 19 00-0873	EA	6" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	66.81	
26 24 19 00-0874	EA	12" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	80.17	
26 24 19 00-0875	EA	18" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	120.26	
26 24 19 00-0876	EA	24" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	160.34	
26 24 19 00-0877	EA	30" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	240.51	
26 24 19 00-0878	EA	48" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	280.60	
26 24 19 00-0879	EA	72" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	320.68	

26 25 Enclosed Bus Assemblies (26 20)

26 25 00 00-0001 Bus Ducts (26 25)

26 25 00 00-0002 Plug-In Bus Duct (26 25 00 00-0001)
 Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.

26 25 00 00-0003 600 Volt, 3-Phase, 3-Wire, Copper Conductors (26 25 00 00-0002)

26 25 00 00-0004	LF	225 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	273.31	28.95
		For Up To 25, Add	68.33	
		For >25 To 50, Add	41.00	
		For >50 To 100, Add	20.50	
26 25 00 00-0005	LF	400 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	389.86	28.95
		For Up To 25, Add	97.47	
		For >25 To 50, Add	58.48	
		For >50 To 100, Add	29.24	
26 25 00 00-0006	LF	600 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	495.13	38.60
		For Up To 25, Add	123.78	
		For >25 To 50, Add	74.27	
		For >50 To 100, Add	37.13	
26 25 00 00-0007	LF	800 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	687.10	38.60
		For Up To 25, Add	171.78	
		For >25 To 50, Add	103.07	
		For >50 To 100, Add	51.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 00 00-0008 LF 1,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	724.63	48.25
<i>For Up To 25, Add</i>	181.16	
<i>For >25 To 50, Add</i>	108.69	
<i>For >50 To 100, Add</i>	54.35	
26 25 00 00-0009 LF 1,350 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,013.59	48.25
<i>For Up To 25, Add</i>	253.40	
<i>For >25 To 50, Add</i>	152.04	
<i>For >50 To 100, Add</i>	76.02	
26 25 00 00-0010 LF 1,600 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,188.22	50.67
<i>For Up To 25, Add</i>	297.06	
<i>For >25 To 50, Add</i>	178.23	
<i>For >50 To 100, Add</i>	89.12	
26 25 00 00-0011 LF 2,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,449.74	52.11
<i>For Up To 25, Add</i>	362.44	
<i>For >25 To 50, Add</i>	217.46	
<i>For >50 To 100, Add</i>	108.73	
26 25 00 00-0012 LF 2,500 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,792.08	55.01
<i>For Up To 25, Add</i>	448.02	
<i>For >25 To 50, Add</i>	268.81	
<i>For >50 To 100, Add</i>	134.41	
26 25 00 00-0013 LF 3,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	2,069.04	64.17
<i>For Up To 25, Add</i>	517.26	
<i>For >25 To 50, Add</i>	310.36	
<i>For >50 To 100, Add</i>	155.18	
26 25 00 00-0014 LF 4,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	2,395.75	69.96
<i>For Up To 25, Add</i>	598.94	
<i>For >25 To 50, Add</i>	359.36	
<i>For >50 To 100, Add</i>	179.68	
26 25 00 00-0015 277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors <small>(26 25 00 00-0002)</small>		
26 25 00 00-0016 LF 225 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	454.01	28.95
<i>For Up To 25, Add</i>	113.50	
<i>For >25 To 50, Add</i>	68.10	
<i>For >50 To 100, Add</i>	34.05	
26 25 00 00-0017 LF 400 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	658.13	28.95
<i>For Up To 25, Add</i>	164.53	
<i>For >25 To 50, Add</i>	98.72	
<i>For >50 To 100, Add</i>	49.36	
26 25 00 00-0018 LF 600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	744.15	38.60
<i>For Up To 25, Add</i>	186.04	
<i>For >25 To 50, Add</i>	111.62	
<i>For >50 To 100, Add</i>	55.81	
26 25 00 00-0019 LF 800 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	948.00	38.60
<i>For Up To 25, Add</i>	237.00	
<i>For >25 To 50, Add</i>	142.20	
<i>For >50 To 100, Add</i>	71.10	
26 25 00 00-0020 LF 1,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,158.06	48.25
<i>For Up To 25, Add</i>	289.52	
<i>For >25 To 50, Add</i>	173.71	
<i>For >50 To 100, Add</i>	86.85	
26 25 00 00-0021 LF 1,350 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,503.72	48.25
<i>For Up To 25, Add</i>	375.93	
<i>For >25 To 50, Add</i>	225.56	
<i>For >50 To 100, Add</i>	112.78	
26 25 00 00-0022 LF 1,600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,946.41	49.99
<i>For Up To 25, Add</i>	486.60	
<i>For >25 To 50, Add</i>	291.96	
<i>For >50 To 100, Add</i>	145.98	
26 25 00 00-0023 LF 2,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	2,346.71	52.11
<i>For Up To 25, Add</i>	586.68	
<i>For >25 To 50, Add</i>	352.01	
<i>For >50 To 100, Add</i>	176.00	
26 25 00 00-0024 LF 2,500 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	2,913.39	54.52
<i>For Up To 25, Add</i>	728.35	
<i>For >25 To 50, Add</i>	437.01	
<i>For >50 To 100, Add</i>	218.50	
26 25 00 00-0025 LF 3,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	3,362.90	64.17
<i>For Up To 25, Add</i>	840.73	
<i>For >25 To 50, Add</i>	504.44	
<i>For >50 To 100, Add</i>	252.22	
26 25 00 00-0026 LF 4,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	3,899.62	69.96
<i>For Up To 25, Add</i>	974.91	
<i>For >25 To 50, Add</i>	584.94	
<i>For >50 To 100, Add</i>	292.47	
26 25 00 00-0027 Cable Tap Boxes <small>(26 25 00 00-0002)</small>		
26 25 00 00-0028 600 Volt, 3-Phase, 3-Wire, Copper Conductors <small>(26 25 00 00-0027)</small>		
26 25 00 00-0029 EA 225 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,285.91	135.10
26 25 00 00-0030 EA 400 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,353.45	135.10
26 25 00 00-0031 EA 600 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,538.68	183.35
26 25 00 00-0032 EA 800 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,695.44	183.35
26 25 00 00-0033 EA 1,000 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,886.27	241.25

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 25	Enclosed Bus Assemblies



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 00 00-0034	EA		1,350 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	3,160.55	241.25
26 25 00 00-0035			277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors (26 25 00 00-0027)		
26 25 00 00-0036	EA		225 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,353.45	265.38
26 25 00 00-0037	EA		400 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,549.75	265.38
26 25 00 00-0038	EA		600 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,716.60	361.89
26 25 00 00-0039	EA		800 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,051.28	361.89
26 25 00 00-0040	EA		1,000 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,201.29	482.51
26 25 00 00-0041	EA		1,350 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,644.80	482.51
26 25 00 00-0042			Bus Duct Plug-In Circuit Breaker (26 25 00 00-0002)		
26 25 00 00-0043			240 Volt, 3-Phase (26 25 00 00-0042)		
26 25 00 00-0044	EA		60 Amp Bus Duct Circuit Breaker 240 Volt, 3 Phase Plug-in Circuit Breaker	1,016.87	96.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.79	
26 25 00 00-0045	EA		100 Amp Bus Duct Circuit Breaker 240 Volt, 3 Phase Plug-in Circuit Breaker	2,048.81	96.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.77	
26 25 00 00-0046			600 Volt, 3-Phase (26 25 00 00-0042)		
26 25 00 00-0047	EA		60 Amp Bus Duct Circuit Breaker 600 Volt, 3 Phase Plug-in Circuit Breaker	1,998.89	96.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.79	
26 25 00 00-0048	EA		100 Amp Bus Duct Circuit Breaker 600 Volt, 3 Phase Plug-in Circuit Breaker	2,589.45	96.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.77	
26 25 00 00-0049			120/208 Volt, 3-Phase, 4-Wire (26 25 00 00-0042)		
26 25 00 00-0050	EA		60 Amp Bus Duct Circuit Breaker 120/208 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	1,171.31	115.80
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.32	
26 25 00 00-0051	EA		100 Amp Bus Duct Circuit Breaker 120/208 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	1,396.98	115.80
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.39	
26 25 00 00-0052			277/480 Volt, 3-Phase, 4-Wire (26 25 00 00-0042)		
26 25 00 00-0053	EA		60 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	1,346.73	115.80
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.32	
26 25 00 00-0054	EA		100 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	2,083.86	115.80
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.39	
26 25 00 00-0055	EA		225 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	3,000.33	400.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	173.57	
26 25 00 00-0056	EA		400 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	7,186.79	400.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	376.96	
26 25 00 00-0057	EA		600 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	7,957.91	1,158.02
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	524.47	
26 25 00 00-0058	EA		800 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	9,768.42	1,158.02
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	927.90	
26 25 00 00-0059			Bus Duct Plug-In Fusible Switch (26 25 00 00-0002)		
26 25 00 00-0060			240 Volt, 3-Pole, 3-Fuse (26 25 00 00-0059)		
26 25 00 00-0061	EA		30 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	1,014.45	96.51
26 25 00 00-0062	EA		60 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	1,110.07	96.51
26 25 00 00-0063	EA		100 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	1,539.85	115.80
26 25 00 00-0064	EA		200 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	2,593.86	231.61
26 25 00 00-0065	EA		400 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	6,589.20	521.11
26 25 00 00-0066	EA		600 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	9,786.08	907.11
26 25 00 00-0067			600 Volt, 3-Pole, 3-Fuse (26 25 00 00-0059)		
26 25 00 00-0068	EA		30 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	1,059.83	106.15
26 25 00 00-0069	EA		60 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	1,152.76	106.15
26 25 00 00-0070	EA		100 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	1,556.57	106.15
26 25 00 00-0071	EA		200 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	2,664.70	221.96
26 25 00 00-0072	EA		400 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	6,563.42	501.80
26 25 00 00-0073	EA		600 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	9,968.85	965.01
26 25 00 00-0074	EA		800 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	16,496.86	1,254.52
26 25 00 00-0075			120/208 Volt, 4-pole, 3 Fuse (26 25 00 00-0059)		
26 25 00 00-0076	EA		30 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	1,175.81	125.45
26 25 00 00-0077	EA		60 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	1,256.53	125.45
26 25 00 00-0078	EA		100 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	1,699.68	125.45
26 25 00 00-0079	EA		200 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	2,883.17	260.55
26 25 00 00-0080	EA		400 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	7,219.13	579.01
26 25 00 00-0081	EA		600 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	10,491.74	887.82
26 25 00 00-0082			277/480 Volt, 4-pole, 3-Fuse (26 25 00 00-0059)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 00 00-0083 EA 30 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	1,216.15	125.45
26 25 00 00-0084 EA 60 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	1,296.87	106.44
26 25 00 00-0085 EA 100 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	1,817.11	144.75
26 25 00 00-0086 EA 200 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	3,008.35	260.55
26 25 00 00-0087 EA 400 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	7,219.13	579.01
26 25 00 00-0088 EA 600 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	10,491.74	887.82
26 25 00 00-0089 EA 800 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	16,720.32	1,177.32
26 25 00 00-0090 Feeder Bus Duct <small>(26 25 00 00-0001)</small>		
<small>Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.</small>		
26 25 00 00-0091 600 Volt, 3 Phase, 3 Wire, Ventilated Low Impedance <small>(26 25 00 00-0090)</small>		
<small>Note: Copper conductors.</small>		
26 25 00 00-0092 LF 800 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	830.91	40.53
For Up To 25, Add	207.73	
For >25 To 50, Add	124.64	
For >50 To 100, Add	62.32	
26 25 00 00-0093 LF 1,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	841.21	40.53
For Up To 25, Add	210.30	
For >25 To 50, Add	126.18	
For >50 To 100, Add	63.09	
26 25 00 00-0094 LF 1,350 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	1,104.30	40.53
For Up To 25, Add	276.08	
For >25 To 50, Add	165.65	
For >50 To 100, Add	82.82	
26 25 00 00-0095 LF 1,600 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	1,328.41	40.53
For Up To 25, Add	332.10	
For >25 To 50, Add	199.26	
For >50 To 100, Add	99.63	
26 25 00 00-0096 LF 2,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	1,625.10	40.53
For Up To 25, Add	406.28	
For >25 To 50, Add	243.77	
For >50 To 100, Add	121.88	
26 25 00 00-0097 LF 3,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	2,216.81	96.51
For Up To 25, Add	554.20	
For >25 To 50, Add	332.52	
For >50 To 100, Add	166.26	
26 25 00 00-0098 LF 4,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	3,068.55	96.51
For Up To 25, Add	767.14	
For >25 To 50, Add	460.28	
For >50 To 100, Add	230.14	
26 25 00 00-0099 LF 5,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	3,630.29	96.51
For Up To 25, Add	907.57	
For >25 To 50, Add	544.54	
For >50 To 100, Add	272.27	
26 25 00 00-0100 LF 6,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	4,474.92	96.51
For Up To 25, Add	1,118.73	
For >25 To 50, Add	671.24	
For >50 To 100, Add	335.62	
26 25 00 00-0101 277/480 Volt, 3 Phase, 4 Wire, Half Neutral, Ventilated <small>(26 25 00 00-0090)</small>		
<small>Note: Low impedance, copper conductors.</small>		
26 25 00 00-0102 LF 800 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	954.74	43.42
For Up To 25, Add	238.69	
For >25 To 50, Add	143.21	
For >50 To 100, Add	71.61	
26 25 00 00-0103 LF 1,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	968.00	43.42
For Up To 25, Add	242.00	
For >25 To 50, Add	145.20	
For >50 To 100, Add	72.60	
26 25 00 00-0104 LF 1,350 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	1,248.64	43.42
For Up To 25, Add	312.16	
For >25 To 50, Add	187.30	
For >50 To 100, Add	93.65	
26 25 00 00-0105 LF 1,600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	1,480.44	43.42
For Up To 25, Add	370.11	
For >25 To 50, Add	222.07	
For >50 To 100, Add	111.03	
26 25 00 00-0106 LF 2,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	1,789.50	43.42
For Up To 25, Add	447.38	
For >25 To 50, Add	268.43	
For >50 To 100, Add	134.21	
26 25 00 00-0107 LF 3,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	2,753.68	74.30
For Up To 25, Add	688.42	
For >25 To 50, Add	413.05	
For >50 To 100, Add	206.53	
26 25 00 00-0108 LF 4,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	3,454.31	74.30
For Up To 25, Add	863.58	
For >25 To 50, Add	518.15	
For >50 To 100, Add	259.07	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 25 Enclosed Bus Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 00 00-0109	LF		5,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	4,086.52	138.00
			<i>For Up To 25, Add</i>	1,021.63	
			<i>For >25 To 50, Add</i>	612.98	
			<i>For >50 To 100, Add</i>	306.49	
26 25 00 00-0110	LF		6,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	5,044.41	138.00
			<i>For Up To 25, Add</i>	1,261.10	
			<i>For >25 To 50, Add</i>	756.66	
			<i>For >50 To 100, Add</i>	378.33	
26 27 Low-Voltage Distribution Equipment <small>(26 20)</small>					
26 27 13 Electricity Metering <small>(26 27)</small>					
26 27 13 00-0001 Revenue Metering <small>(26 27 13)</small>					
26 27 13 00-0002 Meter Socket Base <small>(26 27 13 00-0001)</small>					
Note: NEMA 3R.					
26 27 13 00-0003	EA		100 Amp, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	265.97	62.73
26 27 13 00-0004	EA		100 Amp, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	284.57	62.73
26 27 13 00-0005	EA		200 Amp, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	359.05	77.20
26 27 13 00-0006	EA		200 Amp, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	364.34	77.20
26 27 13 00-0007	EA		200 Amp, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release.....	754.70	86.85
26 27 13 00-0008	EA		320 Amp, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass, And Jaw Release.....	1,018.95	96.51
26 27 13 00-0009	EA		400 Amp, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass, And Jaw Release.....	2,624.47	106.15
26 27 13 00-0010	EA		Combination Motor And Current Transformer Cabinet, 15-30 A, 13 Terminal, Underground, With Test Switch And Transformer - Socket Base.....	2,722.58	482.51
26 27 13 00-0011 Meter Device <small>(26 27 13 00-0001)</small>					
Note: Direct read, with 15 minute demand.					
26 27 13 00-0012	EA		100 To 200 Amp, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter.....	290.00	19.30
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.87	
26 27 13 00-0013	EA		200 Amp, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter.....	845.58	19.32
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.08	
26 27 13 00-0014 Current Transformer Enclosure <small>(26 27 13 00-0001)</small>					
26 27 13 00-0015	EA		Current Transformer Cover, Screwed, 18" x 24" x 9", NEMA 3R.....	535.74	125.45
26 27 13 00-0016 120/240 Volt Meter Center And Main Breaker, Indoor Housing <small>(26 27 13 00-0001)</small>					
26 27 13 00-0017 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max., 2 Pole <small>(26 27 13 00-0016)</small>					
26 27 13 00-0018	EA		3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,144.01	60.32
26 27 13 00-0019	EA		4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,511.26	72.38
26 27 13 00-0020	EA		5 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,876.50	84.44
26 27 13 00-0021	EA		6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	2,175.54	96.51
26 27 13 00-0022	EA		7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	2,845.80	108.57
26 27 13 00-0023	EA		8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	3,070.58	120.63
26 27 13 00-0024	EA		10 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	3,580.38	144.75
26 27 13 00-0025 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max., 2 Pole <small>(26 27 13 00-0016)</small>					
26 27 13 00-0026	EA		3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	2,147.32	60.32
26 27 13 00-0027	EA		4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	2,833.63	72.38
26 27 13 00-0028	EA		6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	3,905.27	96.51
26 27 13 00-0029	EA		7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	4,330.70	108.57
26 27 13 00-0030	EA		8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	5,458.46	120.63
26 27 13 00-0031 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0016)</small>					
26 27 13 00-0032	EA		3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,758.11	84.44
26 27 13 00-0033	EA		4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,320.02	96.51
26 27 13 00-0034	EA		5 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,845.80	108.57
26 27 13 00-0035	EA		6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	3,351.51	120.63
26 27 13 00-0036	EA		7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	4,238.49	132.69
26 27 13 00-0037	EA		8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	4,443.22	144.75
26 27 13 00-0038	EA		10 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AI	5,514.83	168.87
26 27 13 00-0039 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0016)</small>					
26 27 13 00-0040	EA		3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,757.41	84.44
26 27 13 00-0041	EA		4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	3,624.32	96.51
26 27 13 00-0042	EA		6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	5,117.34	120.63
26 27 13 00-0043	EA		7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	5,482.59	132.69
26 27 13 00-0044	EA		8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	7,031.73	144.75
26 27 13 00-0045 120/208 Volt Meter Center And Main Breaker, Indoor Housing <small>(26 27 13 00-0001)</small>					
26 27 13 00-0046 800 Amp Bus, 5 Jaw Sockets, 125 A Max., 2 Pole <small>(26 27 13 00-0045)</small>					



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0047 EA 3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,240.36	72.38
26 27 13 00-0048 EA 4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,629.69	84.44
26 27 13 00-0049 EA 5 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	2,017.02	96.51
26 27 13 00-0050 EA 6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	2,344.15	108.57
26 27 13 00-0051 EA 7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	2,889.99	120.63
26 27 13 00-0052 EA 8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	3,114.78	132.69
26 27 13 00-0053 EA 10 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	3,845.29	156.81
26 27 13 00-0054 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC, 2 Pole <small>(26 27 13 00-0045)</small>		
26 27 13 00-0055 EA 3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,251.71	72.38
26 27 13 00-0056 EA 4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,978.15	84.44
26 27 13 00-0057 EA 6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	4,310.63	108.57
26 27 13 00-0058 EA 7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	4,736.08	120.63
26 27 13 00-0059 EA 8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	5,743.48	132.69
26 27 13 00-0060 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0045)</small>		
26 27 13 00-0061 EA 3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,854.50	96.51
26 27 13 00-0062 EA 4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,424.43	108.57
26 27 13 00-0063 EA 5 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	3,010.41	120.63
26 27 13 00-0064 EA 6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	3,516.13	132.69
26 27 13 00-0065 EA 7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	4,443.25	144.75
26 27 13 00-0066 EA 8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	4,647.94	156.81
26 27 13 00-0067 EA 10 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	5,799.86	180.94
26 27 13 00-0068 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0045)</small>		
26 27 13 00-0069 EA 3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,881.89	96.51
26 27 13 00-0070 EA 4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	3,809.00	108.57
26 27 13 00-0071 EA 6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	5,482.62	132.69
26 27 13 00-0072 EA 7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	5,727.46	144.75
26 27 13 00-0073 EA 8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	7,296.68	156.81
26 27 13 00-0074 120/240 Volt Meter Center And Main Breaker, NEMA 3R Housing <small>(26 27 13 00-0001)</small>		
26 27 13 00-0075 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0076 EA 3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,144.01	60.32
26 27 13 00-0077 EA 4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,511.26	72.38
26 27 13 00-0078 EA 6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	2,175.54	96.51
26 27 13 00-0079 EA 7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	2,845.80	108.57
26 27 13 00-0080 EA 8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	3,532.11	120.63
26 27 13 00-0081 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0082 EA 3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	2,147.32	60.32
26 27 13 00-0083 EA 4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	2,833.62	72.38
26 27 13 00-0084 EA 6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	4,105.91	96.51
26 27 13 00-0085 EA 7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	4,531.36	108.57
26 27 13 00-0086 EA 8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	5,458.46	120.63
26 27 13 00-0087 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0088 EA 3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,758.11	84.44
26 27 13 00-0089 EA 4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,320.02	96.51
26 27 13 00-0090 EA 6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	3,351.51	120.63
26 27 13 00-0091 EA 7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	4,238.49	132.69
26 27 13 00-0092 EA 8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	4,443.22	144.75
26 27 13 00-0093 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0094 EA 3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,757.42	84.44
26 27 13 00-0095 EA 4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	3,624.32	96.51
26 27 13 00-0096 EA 6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	5,117.34	120.63
26 27 13 00-0097 EA 7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	5,482.59	132.69
26 27 13 00-0098 EA 8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	7,031.76	144.75
26 27 13 00-0099 120/208 Volt Meter Center And Main Breaker, NEMA 3R Housing <small>(26 27 13 00-0001)</small>		
26 27 13 00-0100 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC, 2 Pole <small>(26 27 13 00-0099)</small>		
26 27 13 00-0101 EA 3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,240.36	72.38
26 27 13 00-0102 EA 4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,629.69	84.44
26 27 13 00-0103 EA 6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,344.15	108.57
26 27 13 00-0104 EA 7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	3,090.65	120.63
26 27 13 00-0105 EA 8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	3,516.10	132.69
26 27 13 00-0106 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC, 2 Pole <small>(26 27 13 00-0099)</small>		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0107	EA		3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,251.70	72.38
26 27 13 00-0108	EA		4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,978.14	84.44
26 27 13 00-0109	EA		6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	4,109.97	108.57
26 27 13 00-0110	EA		7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	4,535.42	120.63
26 27 13 00-0111	EA		8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	5,743.45	132.69
26 27 13 00-0112			800 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole (26 27 13 00-0099)		
26 27 13 00-0113	EA		3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,854.48	96.51
26 27 13 00-0114	EA		4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,424.41	108.57
26 27 13 00-0115	EA		6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	3,516.10	132.69
26 27 13 00-0116	EA		7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	4,443.22	144.75
26 27 13 00-0117	EA		8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	4,647.94	156.81
26 27 13 00-0118			1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole (26 27 13 00-0099)		
26 27 13 00-0119	EA		3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,881.87	96.51
26 27 13 00-0120	EA		4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	3,808.98	108.57
26 27 13 00-0121	EA		6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	5,482.59	132.69
26 27 13 00-0122	EA		7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	5,727.46	144.75
26 27 13 00-0123	EA		8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	7,296.68	156.81
26 27 13 00-0124			Watt/Hour Meters (26 27 13)		
26 27 13 00-0125	EA		Single Phase M-90 Meter, Socket, NEMA 3R Enclosure	1,191.88	57.90
26 27 13 00-0126	EA		Three Phase M-90 Meter/Main Breaker Combination With Socket, NEMA 3R Enclosure	3,707.06	115.80
26 27 13 00-0127	EA		Three Phase M-90 Meter In Line Secondary With Socket, NEMA 3R Enclosure	1,933.22	86.85
26 27 13 00-0128	EA		Three Phase M-90 Meter, Primary Side Transformer Mount With Socket Totally Enclosed, NEMA 3R Enclosure	2,391.50	86.85
26 27 13 00-0129	EA		Three Phase M-90 Meter, Primary Side Pole Mount With Socket, NEMA 3R Enclosure	2,000.54	86.85
26 27 13 00-0130	EA		C.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	1,369.63	80.09
26 27 13 00-0131	EA		P.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	2,334.90	144.75
26 27 13 00-0132			Watt/Hour Meter Systems (26 27 13)		
Note: Includes NEMA 3R enclosure with C.T. and NEMA 3R C.T. enclosure. systems with main breakers include an additional NEMA 3R enclosure.					
26 27 13 00-0133			Watt/Hour Meter System Without Main Breaker (26 27 13 00-0132)		
26 27 13 00-0134	EA		400 Amp System; 200 Amp M-90 Meter And Enclosure	5,810.19	579.10
26 27 13 00-0135	EA		600-800 Amp System; 200 Amp M-90 Meter And Enclosure	6,891.71	579.10
26 27 13 00-0136			Watt/Hour Meter System With Main Breaker (26 27 13 00-0132)		
26 27 13 00-0137	EA		400 Amp System; 400 Amp Main Breaker, 200 Amp M-90 Meter And Enclosure	10,558.63	579.10
26 27 13 00-0138	EA		600 Amp System; 600 Amp Main Breaker, 200 Amp M-90 Meter And Enclosure	12,916.96	579.10
26 27 13 00-0139	EA		800 Amp System; 800 Amp Main Breaker, 200 Amp M-90 Meter And Enclosure	13,917.11	579.10
26 27 16			Electrical Cabinets And Enclosures (26 27)		
Note: Can be used as enclosure or pull/junction boxes.					
26 27 16 00-0001			NEMA 1 Enclosures, Lockable (26 27 16)		
26 27 16 00-0002			Hinged Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0001)		
26 27 16 00-0003			4" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0002)		
26 27 16 00-0004	EA		6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	58.95	19.30
26 27 16 00-0005	EA		6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	65.93	21.23
26 27 16 00-0006	EA		8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	72.98	23.16
26 27 16 00-0007	EA		8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	85.19	27.02
26 27 16 00-0008	EA		10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	92.60	28.95
26 27 16 00-0009	EA		10" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	100.48	30.88
26 27 16 00-0010	EA		12" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	100.23	30.88
26 27 16 00-0011	EA		12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	108.28	32.81
26 27 16 00-0012	EA		12" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	116.70	34.74
26 27 16 00-0013	EA		16" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	151.87	46.32
26 27 16 00-0014	EA		16" x 16" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	184.14	55.97
26 27 16 00-0015	EA		18" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	175.29	54.04
26 27 16 00-0016			6" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0002)		
26 27 16 00-0017	EA		6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	73.46	23.16
26 27 16 00-0018	EA		8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	88.73	27.02
26 27 16 00-0019	EA		10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	106.15	32.81
26 27 16 00-0020	EA		10" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	114.39	34.74
26 27 16 00-0021	EA		12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	122.78	36.67
26 27 16 00-0022	EA		12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	131.52	38.60
26 27 16 00-0023	EA		16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	167.48	50.18
26 27 16 00-0024	EA		16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	203.45	61.76
26 27 16 00-0025	EA		18" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	196.30	59.84
26 27 16 00-0026	EA		18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	255.34	77.20



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0027 EA 24" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	323.45	88.78
26 27 16 00-0028 EA 24" x 24" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	367.52	96.51
26 27 16 00-0029 EA 30" x 24" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	407.01	102.30
26 27 16 00-0030 EA 36" x 24" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	441.66	106.15
26 27 16 00-0031 Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0001)		
26 27 16 00-0032 3" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0031)		
26 27 16 00-0033 EA 4" x 4" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	40.75	13.51
26 27 16 00-0034 EA 6" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	58.24	19.30
26 27 16 00-0035 EA 8" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	64.84	21.23
26 27 16 00-0036 4" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0031)		
26 27 16 00-0037 EA 4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	45.70	15.44
26 27 16 00-0038 EA 6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	56.73	19.30
26 27 16 00-0039 EA 6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	63.22	21.23
26 27 16 00-0040 EA 8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	69.83	23.16
26 27 16 00-0041 EA 8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	81.47	27.02
26 27 16 00-0042 EA 10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	88.35	28.95
26 27 16 00-0043 EA 10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	95.52	30.88
26 27 16 00-0044 EA 12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	95.29	30.88
26 27 16 00-0045 EA 12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	102.75	32.81
26 27 16 00-0046 EA 12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	110.39	34.74
26 27 16 00-0047 EA 16" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	144.77	46.32
26 27 16 00-0048 EA 16" x 16" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	179.61	57.90
26 27 16 00-0049 EA 18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	166.79	54.04
26 27 16 00-0050 EA 18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	215.83	69.48
26 27 16 00-0051 EA 24" x 24" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	305.95	86.85
26 27 16 00-0052 6" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0031)		
26 27 16 00-0053 EA 6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	70.16	23.16
26 27 16 00-0054 EA 8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	77.21	25.09
26 27 16 00-0055 EA 8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	89.01	28.95
26 27 16 00-0056 EA 10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	101.02	32.81
26 27 16 00-0057 EA 10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	108.57	34.74
26 27 16 00-0058 EA 12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	116.20	36.67
26 27 16 00-0059 EA 12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	124.11	38.60
26 27 16 00-0060 EA 16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	159.21	50.18
26 27 16 00-0061 EA 16" x 16" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	195.67	61.76
26 27 16 00-0062 EA 18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	186.44	59.84
26 27 16 00-0063 EA 18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	242.16	77.20
26 27 16 00-0064 EA 24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	299.24	88.78
26 27 16 00-0065 EA 24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	340.73	96.51
26 27 16 00-0066 EA 30" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	367.09	102.30
26 27 16 00-0067 EA 36" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	399.12	106.15
26 27 16 00-0068 8" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0031)		
26 27 16 00-0069 EA 8" x 8" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	101.02	32.81
26 27 16 00-0070 EA 12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	136.85	42.46
26 27 16 00-0071 EA 16" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	173.99	54.04
26 27 16 00-0072 EA 16" x 16" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	216.15	67.55
26 27 16 00-0073 EA 18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	207.04	65.63
26 27 16 00-0074 EA 18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	256.38	81.07
26 27 16 00-0075 EA 24" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	286.87	92.64
26 27 16 00-0076 EA 24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	328.94	98.43
26 27 16 00-0077 EA 24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	375.62	106.15
26 27 16 00-0078 EA 30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	399.25	111.95
26 27 16 00-0079 EA 30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	418.70	115.80
26 27 16 00-0080 EA 36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	428.49	115.80
26 27 16 00-0081 10" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0031)		
26 27 16 00-0082 EA 18" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	234.49	73.34
26 27 16 00-0083 EA 18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	307.78	94.57
26 27 16 00-0084 EA 24" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	313.50	100.36
26 27 16 00-0085 EA 24" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	397.41	108.08
26 27 16 00-0086 EA 24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	455.37	119.66
26 27 16 00-0087 EA 30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	501.45	123.52
26 27 16 00-0088 EA 36" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	533.90	129.31
26 27 16 00-0089 12" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0031)		
26 27 16 00-0090 EA 18" x 18" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure	339.72	104.22
26 27 16 00-0091 EA 24" x 12" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure	340.97	110.01
26 27 16 00-0092 EA 24" x 18" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure	437.30	119.66
26 27 16 00-0093 EA 24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure	497.33	131.24

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 27	Low-Voltage Distribution Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0094 EA 30" x 24" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure	553.76	137.03
26 27 16 00-0095 EA 36" x 24" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure	583.35	142.82
26 27 16 00-0096 NEMA 1 Enclosures For Up To 6 Boards, Lockable (26 27 16)		
26 27 16 00-0097 4.5" Depth, Hinged Cover, Powder Coated Steel, NEMA 1 Enclosures (26 27 16 00-0096)		
26 27 16 00-0098 EA 24" High x 18" Wide x 4.5" Deep, 18 Gauge, Powder Coated Steel, NEMA 1 Enclosure (RS2 Technologies NCL-12)	737.31	84.92
26 27 16 00-0099 NEMA 12 Enclosures, Lockable (26 27 16)		
Note: Dust-tight enclosures.		
26 27 16 00-0100 Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0099)		
26 27 16 00-0101 4" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0100)		
26 27 16 00-0102 EA 4" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	79.04	15.44
26 27 16 00-0103 EA 6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	103.37	21.23
26 27 16 00-0104 EA 8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	128.19	27.02
26 27 16 00-0105 EA 10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	138.67	28.95
26 27 16 00-0106 EA 12" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	155.02	30.88
26 27 16 00-0107 EA 12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	166.81	32.81
26 27 16 00-0108 6" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0100)		
26 27 16 00-0109 EA 6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	114.61	23.16
26 27 16 00-0110 EA 8" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	126.11	25.09
26 27 16 00-0111 Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0099)		
26 27 16 00-0112 4" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0111)		
26 27 16 00-0113 EA 4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	158.81	15.44
26 27 16 00-0114 EA 6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	191.21	21.23
26 27 16 00-0115 EA 8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	216.01	23.16
26 27 16 00-0116 EA 8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	247.27	27.02
26 27 16 00-0117 EA 10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	254.64	28.95
26 27 16 00-0118 EA 10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	299.85	30.88
26 27 16 00-0119 EA 12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	321.87	32.81
26 27 16 00-0120 EA 12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	365.58	34.74
26 27 16 00-0121 6" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0111)		
26 27 16 00-0122 EA 6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	232.09	23.16
26 27 16 00-0123 EA 8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	262.10	25.09
26 27 16 00-0124 EA 8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	286.11	28.95
26 27 16 00-0125 EA 10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	338.52	34.74
26 27 16 00-0126 EA 12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	367.87	38.60
26 27 16 00-0127 EA 16" x 14" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	509.94	50.18
26 27 16 00-0128 EA 18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	790.07	77.20
26 27 16 00-0129 EA 24" x 16" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,031.66	88.78
26 27 16 00-0130 EA 24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,162.19	96.51
26 27 16 00-0131 8" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0111)		
26 27 16 00-0132 EA 24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,077.27	98.43
26 27 16 00-0133 EA 24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,239.57	106.15
26 27 16 00-0134 EA 30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,361.33	111.95
26 27 16 00-0135 EA 30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,498.92	115.80
26 27 16 00-0136 EA 36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,478.70	115.80
26 27 16 00-0137 Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0099)		
26 27 16 00-0138 8" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0137)		
26 27 16 00-0139 EA 60" x 48" x 8" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	4,661.60	156.81
26 27 16 00-0140 10" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0137)		
26 27 16 00-0141 EA 60" x 48" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	4,709.99	173.70
26 27 16 00-0142 EA 60" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	5,399.99	185.77
26 27 16 00-0143 EA 72" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	6,215.99	231.61
26 27 16 00-0144 EA 72" x 72" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	6,943.93	273.09



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0145				12" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0137)</small>		
26 27 16 00-0146	EA			60" x 48" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	5,042.37	273.09
26 27 16 00-0147	EA			60" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	5,617.90	289.51
26 27 16 00-0148	EA			72" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	6,376.65	308.80
26 27 16 00-0149	EA			72" x 72" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	7,029.96	308.80
26 27 16 00-0150				NEMA 3 Enclosures, Lockable <small>(26 27 16)</small> Note: Can be used underground or encased in concrete.		
26 27 16 00-0151				2" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0150)</small>		
26 27 16 00-0152	EA			4" x 4" x 2" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	243.45	67.55
26 27 16 00-0153				3" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0150)</small>		
26 27 16 00-0154	EA			4" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	260.60	67.55
26 27 16 00-0155	EA			5" x 5" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	330.34	69.96
26 27 16 00-0156	EA			6" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	342.00	69.96
26 27 16 00-0157	EA			6" x 6" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	427.14	72.38
26 27 16 00-0158				4" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0150)</small>		
26 27 16 00-0159	EA			4" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	327.18	69.96
26 27 16 00-0160	EA			5" x 5" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	357.69	69.96
26 27 16 00-0161	EA			6" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	372.76	72.38
26 27 16 00-0162	EA			6" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	466.47	72.38
26 27 16 00-0163	EA			8" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	512.41	77.20
26 27 16 00-0164	EA			8" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	551.40	82.03
26 27 16 00-0165	EA			10" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	573.68	82.03
26 27 16 00-0166	EA			10" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	680.09	84.44
26 27 16 00-0167	EA			12" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	737.05	86.85
26 27 16 00-0168	EA			12" x 12" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,005.53	96.51
26 27 16 00-0169				6" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0150)</small>		
26 27 16 00-0170	EA			6" x 6" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	492.41	74.79
26 27 16 00-0171	EA			8" x 6" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	618.97	84.44
26 27 16 00-0172	EA			8" x 8" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	723.34	86.85
26 27 16 00-0173	EA			10" x 8" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	831.92	89.26
26 27 16 00-0174	EA			10" x 10" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	884.49	89.26
26 27 16 00-0175	EA			12" x 8" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,005.24	96.51
26 27 16 00-0176	EA			12" x 12" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,162.31	108.57
26 27 16 00-0177	EA			16" x 6" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,095.46	103.74
26 27 16 00-0178	EA			18" x 12" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,128.46	193.00
26 27 16 00-0179	EA			18" x 18" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	3,673.29	241.25
26 27 16 00-0180				8" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0150)</small>		
26 27 16 00-0181	EA			8" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	893.07	91.68
26 27 16 00-0182	EA			12" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,340.37	120.63
26 27 16 00-0183	EA			12" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,361.84	120.63
26 27 16 00-0184	EA			16" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,847.68	180.94
26 27 16 00-0185	EA			18" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,426.69	193.00
26 27 16 00-0186	EA			24" x 24" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	6,134.91	337.76
26 27 16 00-0187				10" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0150)</small>		
26 27 16 00-0188	EA			18" x 12" x 10" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	3,233.28	241.25
26 27 16 00-0189				12" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0150)</small>		
26 27 16 00-0190	EA			18" x 18" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	4,960.41	289.51
26 27 16 00-0191	EA			24" x 12" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	4,083.54	265.38
26 27 16 00-0192				NEMA 3R Enclosures, Lockable <small>(26 27 16)</small> Note: Rain-tight enclosures.		
26 27 16 00-0193				Hinged Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0192)</small>		
26 27 16 00-0194				4" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0193)</small>		
26 27 16 00-0195	EA			6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	65.79	19.30
26 27 16 00-0196	EA			6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	72.54	21.23
26 27 16 00-0197	EA			8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	93.13	21.23
26 27 16 00-0198				6" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0193)</small>		
26 27 16 00-0199	EA			8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	123.09	28.95

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0200 EA 10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	138.06	32.81
26 27 16 00-0201 EA 12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	159.91	36.67
26 27 16 00-0202 EA 12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	171.69	38.60
26 27 16 00-0203 EA 16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	223.44	50.18
26 27 16 00-0204 EA 16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	269.20	61.76
26 27 16 00-0205 EA 18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	315.07	77.20
26 27 16 00-0206 8" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0193)		
26 27 16 00-0207 EA 24" x 20" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	457.07	98.43
26 27 16 00-0208 EA 24" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	503.48	106.15
26 27 16 00-0209 EA 30" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	558.17	111.95
26 27 16 00-0210 EA 30" x 30" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	584.87	115.80
26 27 16 00-0211 10" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0193)		
26 27 16 00-0212 EA 12" x 48" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	564.04	119.66
26 27 16 00-0213 EA 12" x 54" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	637.07	135.10
26 27 16 00-0214 EA 12" x 60" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	705.52	149.58
26 27 16 00-0215 EA 12" x 66" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	776.63	165.02
26 27 16 00-0216 EA 12" x 72" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	846.04	179.49
26 27 16 00-0217 EA 18" x 18" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	386.18	94.57
26 27 16 00-0218 EA 24" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	564.04	119.66
26 27 16 00-0219 EA 30" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	647.13	123.52
26 27 16 00-0220 EA 36" x 36" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	794.98	135.10
26 27 16 00-0221 12" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0193)		
26 27 16 00-0222 EA 12" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	523.48	95.53
26 27 16 00-0223 EA 12" x 54" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	587.44	107.12
26 27 16 00-0224 EA 12" x 60" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	650.43	118.70
26 27 16 00-0225 EA 12" x 66" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	718.65	131.24
26 27 16 00-0226 EA 12" x 72" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	782.61	142.82
26 27 16 00-0227 EA 18" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	391.30	71.41
26 27 16 00-0228 EA 18" x 32" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	523.48	95.53
26 27 16 00-0229 EA 18" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	587.44	107.12
26 27 16 00-0230 EA 18" x 42" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	690.09	125.45
26 27 16 00-0231 EA 18" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	782.61	142.82
26 27 16 00-0232 EA 30" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	749.69	140.89
26 27 16 00-0233 EA 36" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	782.61	142.82
26 27 16 00-0234 EA 36" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	820.09	146.68
26 27 16 00-0235 EA 36" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	903.26	154.41
26 27 16 00-0236 EA 42" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	973.59	162.12
26 27 16 00-0237 Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0192)		
26 27 16 00-0238 4" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0237)		
26 27 16 00-0239 EA 4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	56.05	15.44
26 27 16 00-0240 EA 6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	67.89	19.30
26 27 16 00-0241 EA 6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	74.94	21.23
26 27 16 00-0242 EA 8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	83.02	23.16
26 27 16 00-0243 EA 8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	96.43	27.02
26 27 16 00-0244 EA 10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	105.01	28.95
26 27 16 00-0245 EA 10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	114.28	30.88
26 27 16 00-0246 EA 12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	113.80	30.88
26 27 16 00-0247 EA 12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	124.19	32.81
26 27 16 00-0248 EA 12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	133.46	34.74
26 27 16 00-0249 EA 18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	201.97	54.04
26 27 16 00-0250 EA 18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	268.85	69.48
26 27 16 00-0251 6" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0237)		
26 27 16 00-0252 EA 6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	78.25	23.16
26 27 16 00-0253 EA 8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	106.29	28.95
26 27 16 00-0254 EA 10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	120.41	32.81
26 27 16 00-0255 EA 10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	130.34	34.74
26 27 16 00-0256 EA 12" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	129.64	34.74
26 27 16 00-0257 EA 12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	140.16	36.67
26 27 16 00-0258 EA 12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	150.76	38.60
26 27 16 00-0259 EA 16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	196.70	50.18
26 27 16 00-0260 EA 18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	226.85	59.84
26 27 16 00-0261 EA 18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	302.19	77.20
26 27 16 00-0262 EA 24" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	315.93	82.99
26 27 16 00-0263 EA 24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	359.95	88.78
26 27 16 00-0264 EA 24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	404.77	96.51
26 27 16 00-0265 8" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0237)		
26 27 16 00-0266 EA 12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	168.60	42.46



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0267 EA 18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	244.96	65.63
26 27 16 00-0268 EA 18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	334.27	84.92
26 27 16 00-0269 EA 24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	398.32	98.43
26 27 16 00-0270 EA 24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	449.68	106.15
26 27 16 00-0271 EA 30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	498.46	111.95
26 27 16 00-0272 10" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0237)		
26 27 16 00-0273 EA 18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	368.92	94.57
26 27 16 00-0274 EA 24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	495.04	119.66
26 27 16 00-0275 EA 30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	541.65	123.52
26 27 16 00-0276 12" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0237)		
26 27 16 00-0277 EA 24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	546.71	131.24
26 27 16 00-0278 EA 30" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	753.94	142.82
26 27 16 00-0279 EA 36" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	779.02	146.68
26 27 16 00-0280 EA 36" x 36" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	907.87	154.41
26 27 16 00-0281 NEMA 4 Enclosures, Lockable (26 27 16)		
Note: Water-tight enclosures.		
26 27 16 00-0282 Hinge Cover, Painted Steel NEMA 4 Enclosures (26 27 16 00-0281)		
26 27 16 00-0283 EA 4" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	91.05	13.51
26 27 16 00-0284 EA 6" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	106.28	16.40
26 27 16 00-0285 EA 8" x 6" x 3.5" Hinge Cover, Painted Steel NEMA 4 Enclosure	132.88	21.23
26 27 16 00-0286 EA 6" x 6" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	126.37	21.23
26 27 16 00-0287 EA 10" x 8" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	168.87	28.95
26 27 16 00-0288 EA 12" x 10" x 5" Hinge Cover, Painted Steel NEMA 4 Enclosure	210.46	34.74
26 27 16 00-0289 EA 10" x 8" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	194.38	32.81
26 27 16 00-0290 EA 12" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	226.60	38.60
26 27 16 00-0291 EA 14" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	266.68	44.40
26 27 16 00-0292 EA 16" x 14" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	323.14	55.97
26 27 16 00-0293 Clamp Cover, Painted Steel NEMA 4 Enclosures (26 27 16 00-0281)		
26 27 16 00-0294 EA 4" x 4" x 3" Clamp Cover, Painted Steel NEMA 4 Enclosure	83.49	13.51
26 27 16 00-0295 EA 6" x 6" x 4" Clamp Cover, Painted Steel NEMA 4 Enclosure	118.82	21.23
26 27 16 00-0296 Screw Cover, Fiberglass NEMA 4 Or 4x Enclosures (26 27 16 00-0281)		
26 27 16 00-0297 EA 6" x 6" x 4" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure	104.75	18.53
26 27 16 00-0298 EA 8" x 6" x 4" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure	111.26	20.07
26 27 16 00-0299 EA 10" x 8" x 6" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure	136.49	26.25
26 27 16 00-0300 EA 12" x 10" x 6" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure	159.66	28.95
26 27 16 00-0301 EA 14" x 12" x 8" Screw Cover, Fiberglass NEMA 4 Enclosure	206.55	36.67
26 27 16 00-0302 EA 16" x 14" x 8" Screw Cover, Fiberglass NEMA 4 Enclosure	241.42	43.42
26 27 16 00-0303 EA 18" x 16" x 10" Screw Cover, Fiberglass NEMA 4 Enclosure	339.43	69.48
26 27 16 00-0304 NEMA 4X Enclosures, Lockable (26 27 16)		
Note: Water-tight enclosures.		
26 27 16 00-0305 Clamp Cover, Aluminum NEMA 4X Enclosures (26 27 16 00-0304)		
26 27 16 00-0306 EA 6" x 4" x 3" Clamp Cover, Aluminum NEMA 4X Enclosure	182.03	15.44
26 27 16 00-0307 EA 6" x 6" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	214.39	21.23
26 27 16 00-0308 EA 10" x 8" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	271.62	28.95
26 27 16 00-0309 EA 12" x 10" x 5" Clamp Cover, Aluminum NEMA 4X Enclosure	329.77	34.74
26 27 16 00-0310 EA 14" x 12" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	406.45	44.40
26 27 16 00-0311 EA 16" x 14" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	479.74	55.97
26 27 16 00-0312 Clamp Cover, 304 Stainless Steel NEMA 4X Enclosures (26 27 16 00-0304)		
26 27 16 00-0313 EA 4" x 4" x 3" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	163.86	13.51
For 316L Stainless Steel, Add	35.12	
26 27 16 00-0314 EA 6" x 4" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	214.71	19.30
For 316L Stainless Steel, Add	44.94	
26 27 16 00-0315 EA 6" x 6" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	242.71	21.23
For 316L Stainless Steel, Add	51.20	
26 27 16 00-0316 EA 8" x 6" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	276.75	23.16
For 316L Stainless Steel, Add	59.09	
26 27 16 00-0317 EA 10" x 8" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	340.36	28.95
For 316L Stainless Steel, Add	72.35	
26 27 16 00-0318 EA 12" x 10" x 6" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	475.02	36.67
For 316L Stainless Steel, Add	103.50	
26 27 16 00-0319 EA 14" x 12" x 6" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	590.97	44.40
For 316L Stainless Steel, Add	129.60	
26 27 16 00-0320 EA 16" x 14" x 6" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	714.70	55.97
For 316L Stainless Steel, Add	155.19	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0321			Screw Cover, Polycarbonate NEMA 4X Enclosures (26 27 16 00-0304) Note: NEMA 3R, 4, 4X and 12 rated.		
26 27 16 00-0322	EA		6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	98.64	21.23
26 27 16 00-0323	EA		8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	110.67	23.16
26 27 16 00-0324	EA		8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	126.92	27.02
26 27 16 00-0325	EA		10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	137.75	28.95
26 27 16 00-0326	EA		12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	158.79	32.81
26 27 16 00-0327	EA		10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	150.39	32.81
26 27 16 00-0328	EA		12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	174.40	36.67
26 27 16 00-0329	EA		14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	217.71	44.40
26 27 16 00-0330	EA		16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	280.32	60.80
26 27 16 00-0331	EA		18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	365.98	87.53
26 27 16 00-0332	EA		6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	105.25	21.23
26 27 16 00-0333	EA		8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	118.47	23.16
26 27 16 00-0334	EA		8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	135.32	27.02
26 27 16 00-0335	EA		10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	147.94	28.95
26 27 16 00-0336	EA		12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	169.58	32.81
26 27 16 00-0337	EA		10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	160.59	32.81
26 27 16 00-0338	EA		12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	188.23	36.67
26 27 16 00-0339	EA		14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	224.90	44.40
26 27 16 00-0340	EA		16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	295.31	60.80
26 27 16 00-0341	EA		18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	382.17	87.53
26 27 16 00-0342			Hinged Cover, Polycarbonate NEMA 4X Enclosures (26 27 16 00-0304) Note: NEMA 3R, 4, 4X and 12 rated.		
26 27 16 00-0343	EA		6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	117.24	21.23
26 27 16 00-0344	EA		8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	125.67	23.16
26 27 16 00-0345	EA		8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	143.11	27.02
26 27 16 00-0346	EA		10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	154.54	28.95
26 27 16 00-0347	EA		12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	182.18	32.81
26 27 16 00-0348	EA		10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	168.99	32.81
26 27 16 00-0349	EA		12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	205.61	36.67
26 27 16 00-0350	EA		14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	244.70	44.40
26 27 16 00-0351	EA		16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	303.71	60.80
26 27 16 00-0352	EA		18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	396.56	87.53
26 27 16 00-0353	EA		6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	122.04	21.23
26 27 16 00-0354	EA		8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	134.66	23.16
26 27 16 00-0355	EA		8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	151.50	27.02
26 27 16 00-0356	EA		10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	163.53	28.95
26 27 16 00-0357	EA		12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	194.17	32.81
26 27 16 00-0358	EA		10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	179.17	32.81
26 27 16 00-0359	EA		12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	218.21	36.67
26 27 16 00-0360	EA		14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	250.70	44.40
26 27 16 00-0361	EA		16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	323.49	60.80
26 27 16 00-0362	EA		18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	417.55	87.53
26 27 16 00-0363			NEMA 7/9 Enclosures, Lockable (26 27 16) Note: Nominal inside dimensions.		
26 27 16 00-0364			4" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0363)		
26 27 16 00-0365	EA		6" x 6" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	1,052.99	108.57
			<i>For Mounting Pan, Add</i>	44.25	
26 27 16 00-0366	EA		8" x 8" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	843.13	115.80
			<i>For Mounting Pan, Add</i>	82.45	
26 27 16 00-0367	EA		8" x 10" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	1,636.60	130.28
			<i>For Mounting Pan, Add</i>	113.69	
26 27 16 00-0368			6" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0363)		
26 27 16 00-0369	EA		8" x 8" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	1,457.05	130.28
			<i>For Mounting Pan, Add</i>	57.81	
26 27 16 00-0370	EA		8" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	1,894.25	133.90
			<i>For Mounting Pan, Add</i>	113.69	
26 27 16 00-0371	EA		8" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	1,939.19	144.75
			<i>For Mounting Pan, Add</i>	86.96	
26 27 16 00-0372	EA		10" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	1,989.66	144.75
			<i>For Mounting Pan, Add</i>	101.75	
26 27 16 00-0373	EA		10" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	2,810.27	180.94
			<i>For Mounting Pan, Add</i>	133.49	
26 27 16 00-0374	EA		12" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	2,648.32	162.84
			<i>For Mounting Pan, Add</i>	83.35	
26 27 16 00-0375	EA		12" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	2,741.18	180.94
			<i>For Mounting Pan, Add</i>	124.71	
26 27 16 00-0376	EA		12" x 24" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	4,239.84	325.70
			<i>For Mounting Pan, Add</i>	167.79	
26 27 16 00-0377	EA		14" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	3,361.45	217.13
			<i>For Mounting Pan, Add</i>	163.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0378 EA 16" x 16" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	4,420.69 149.98	361.89
26 27 16 00-0379 EA 18" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	5,289.68 243.82	361.89
26 27 16 00-0380 8" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0363)</small>		
26 27 16 00-0381 EA 8" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	2,262.56 86.96	162.84
26 27 16 00-0382 EA 10" x 10" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	2,278.25 101.75	162.84
26 27 16 00-0383 EA 10" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	2,576.97 133.49	162.84
26 27 16 00-0384 EA 12" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	2,855.65 83.35	180.94
26 27 16 00-0385 EA 12" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	4,158.92 124.71	325.70
26 27 16 00-0386 EA 12" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	5,061.09 167.79	398.07
26 27 16 00-0387 EA 12" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	7,929.60 252.33	470.44
26 27 16 00-0388 EA 14" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	4,562.17 163.36	398.07
26 27 16 00-0389 EA 16" x 16" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	4,685.11 149.98	398.07
26 27 16 00-0390 EA 16" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	6,960.78 224.81	434.25
26 27 16 00-0391 EA 18" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	5,754.12 243.82	398.07
26 27 16 00-0392 EA 18" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	7,674.28 356.53	434.25
26 27 16 00-0393 EA 18" x 30" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	7,622.09 475.31	434.25
26 27 16 00-0394 EA 18" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	11,821.93 594.04	579.01
26 27 16 00-0395 EA 24" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	9,001.16 552.36	470.44
26 27 16 00-0396 EA 24" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	16,292.25 756.18	723.76
26 27 16 00-0397 10" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0363)</small>		
26 27 16 00-0398 EA 12" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	8,245.83 252.33	470.44
26 27 16 00-0399 EA 16" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	7,590.66 224.81	434.25
26 27 16 00-0400 EA 18" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	8,269.37 356.53	470.44
26 27 16 00-0401 EA 18" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	10,435.23 594.04	506.63
26 27 16 00-0402 EA 24" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	9,240.81 552.36	506.63
26 27 16 00-0403 EA 24" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	17,740.97 756.18	723.76
26 27 16 00-0404 12" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0363)</small>		
26 27 16 00-0405 EA 12" x 24" x 12" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	5,173.87 167.79	398.07
26 27 16 00-0406 Breaker Enclosures <small>(26 27 16)</small> See CSI section 26 24 16 00-0001 for lighting and power panel boards.		
26 27 16 00-0407 15 To 100 Amp, F-Frame Breaker Enclosures <small>(26 27 16 00-0406)</small>		
26 27 16 00-0408 EA NEMA 1, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure.....	321.18	77.20
26 27 16 00-0409 EA NEMA 3R, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure.....	595.61	77.20
26 27 16 00-0410 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 100 Amp, F-Frame Breaker Enclosure.....	1,475.01	106.15
26 27 16 00-0411 EA NEMA 7, Cast Aluminum, 15 To 100 Amp, F-Frame Breaker Enclosure.....	2,001.69	115.80
26 27 16 00-0412 EA NEMA 9, Cast Aluminum, 15 To 100 Amp, F-Frame Breaker Enclosure.....	1,457.25	115.80
26 27 16 00-0413 EA NEMA 12, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure.....	507.92	106.15
26 27 16 00-0414 15 To 250 Amp, H Or J-Frame Breaker Enclosures <small>(26 27 16 00-0406)</small>		
26 27 16 00-0415 EA NEMA 1, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure.....	514.08	106.15
26 27 16 00-0416 EA NEMA 3R, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure.....	953.54	106.15
26 27 16 00-0417 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure.....	3,274.76	135.10
26 27 16 00-0418 EA NEMA 12, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure.....	783.75	135.10

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 27	Low-Voltage Distribution Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0419 125 To 400 Amp, L-Frame Breaker Enclosures <small>(26 27 16 00-0406)</small>		
26 27 16 00-0420 EA NEMA 1, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure.....	801.38	212.31
26 27 16 00-0421 EA NEMA 3R, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure.....	1,885.04	212.31
26 27 16 00-0422 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 125 To 400 Amp, L-Frame Breaker Enclosure.....	5,546.31	270.21
26 27 16 00-0423 EA NEMA 12, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure.....	1,337.13	270.21
26 27 16 00-0424 300 To 800 Amp, M-Frame Breaker Enclosures <small>(26 27 16 00-0406)</small>		
26 27 16 00-0425 EA NEMA 1, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure.....	1,570.42	405.31
26 27 16 00-0426 EA NEMA 3R, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure.....	2,715.77	405.31
26 27 16 00-0427 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 300 To 800 Amp, M-Frame Breaker Enclosure.....	9,976.43	521.11
26 27 16 00-0428 EA NEMA 12, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure.....	5,381.77	521.11
26 27 16 00-0429 250 To 1,200 Amp, P-Frame Breaker Enclosures <small>(26 27 16 00-0406)</small>		
26 27 16 00-0430 EA NEMA 1, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure.....	1,922.49	405.31
26 27 16 00-0431 EA NEMA 3R, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure.....	3,272.57	405.31
26 27 16 00-0432 EA NEMA 3R/5/12, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure.....	6,775.97	521.11
26 27 16 00-0433 Legend Plates <small>(26 27 16)</small>		
26 27 16 00-0434 EA 3" Phenolic Plastic Cabinet Legend Plate Engraved With 1/2" Letters.....	13.08	4.83
26 27 16 00-0435 EA 3" Engraved Aluminum Cabinet Legend Plate Engraved With 1/2" Letters.....	18.12	4.83
26 27 23 Indoor Service Poles <small>(26 27)</small>		
26 27 23 00-0001 Communication And Power Poles <small>(26 27 23)</small>		
Note: Includes separate compartments for power and communication cable. Includes removable cover plates with knock-outs for modular jacks and openings to accept modular furniture adapters for communication devices. Includes all necessary mounting plates and assemblies. Excludes electrical and communications wire, power outlets and communication devices. Wiremold Tele-Power Pole series.		
26 27 23 00-0002 Steel Communication And Power Poles <small>(26 27 23 00-0001)</small>		
26 27 23 00-0003 2-1/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0002)</small>		
26 27 23 00-0004 2-1/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0003)</small>		
26 27 23 00-0005 EA 2-1/4" x 2-5/16", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	242.01	42.78
26 27 23 00-0006 EA 2-1/4" x 2-5/16", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	262.33	42.78
26 27 23 00-0007 EA 2-1/4" x 2-5/16", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	285.84	42.78
26 27 23 00-0008 Additional Cover Plates For 2-1/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0003)</small>		
Note: Excludes receptacles, communication jacks and wiring.		
26 27 23 00-0009 EA Add-On Cover Plate For Two Duplex Receptacles And One Single Receptacle.....	49.11	8.82
26 27 23 00-0010 EA Add-On Cover Plate For Three Duplex Receptacles.....	43.15	8.82
26 27 23 00-0011 EA Add-On Cover Plate For Two Duplex Receptacles And One GFCI Receptacle.....	48.67	8.82
26 27 23 00-0012 EA Add-On Cover Plate For Data And AV Modular Devices.....	36.42	8.82
26 27 23 00-0013 EA Add-On Radius Control Entrance End Fitting.....	30.23	8.82
26 27 23 00-0014 2-3/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0002)</small>		
26 27 23 00-0015 2-3/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0014)</small>		
26 27 23 00-0016 EA 2-3/4" x 1-17/32", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	311.70	42.78
26 27 23 00-0017 EA 2-3/4" x 1-17/32", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	355.38	42.78
26 27 23 00-0018 EA 2-3/4" x 1-17/32", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	378.95	42.78
26 27 23 00-0019 Additional Cover Plates For 2-3/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0014)</small>		
Note: Excludes receptacles and communication jacks.		
26 27 23 00-0020 EA Add-On Cover Plate For One Single Receptacle.....	33.69	8.82
26 27 23 00-0021 EA Add-On Cover Plate For One Duplex Receptacle.....	30.43	8.82
26 27 23 00-0022 EA Add-On Cover Plate For Data And AV Modular Devices.....	32.76	8.82
26 27 23 00-0023 3" Width, Steel Communication And Power Poles <small>(26 27 23 00-0002)</small>		
26 27 23 00-0024 3" Width, Steel Communication And Power Poles <small>(26 27 23 00-0023)</small>		
26 27 23 00-0025 EA 3" x 2-3/4", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	404.25	42.78
26 27 23 00-0026 EA 3" x 2-3/4", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	456.83	42.78
26 27 23 00-0027 EA 3" x 2-3/4", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	491.48	42.78



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 23 00-0028 Additional Cover Plates For 3" Width, Steel Communication And Power Poles <small>(26 27 23 00-0023)</small>		
Note: Excludes receptacles and communication jacks.		
26 27 23 00-0029 EA Add-On Cover Plate For One Single Receptacle.....	33.69	8.82
26 27 23 00-0030 EA Add-On Cover Plate For One Duplex Receptacle.....	30.43	8.82
26 27 23 00-0031 EA Add-On Cover Plate For Data And A/V Modular Devices	32.76	8.82
26 27 23 00-0032 Aluminum Communication And Power Poles <small>(26 27 23 00-0001)</small>		
26 27 23 00-0033 2-1/8" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0032)</small>		
26 27 23 00-0034 2-1/8" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0033)</small>		
26 27 23 00-0035 EA 2-1/8" x 2-3/8", 10'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	325.38	42.78
26 27 23 00-0036 EA 2-1/8" x 2-3/8", 12'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	362.13	42.78
26 27 23 00-0037 EA 2-1/8" x 2-3/8", 15'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	403.34	42.78
26 27 23 00-0038 Additional Cover Plates For 2-1/8" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0033)</small>		
26 27 23 00-0039 EA Add-On Cover Plate For Two Duplex Receptacles And One Single Receptacle	50.82	8.82
26 27 23 00-0040 EA Add-On Cover Plate For Three Duplex Receptacles	51.85	8.82
26 27 23 00-0041 EA Add-On Cover Plate For Two Duplex Receptacles And One GFCI Receptacle	55.31	8.82
26 27 23 00-0042 EA Add-On Cover Plate For Data And A/V Modular Devices	38.36	8.82
26 27 23 00-0043 EA Add-On Radius Control Entrance End Fitting	30.23	8.82
26 27 23 00-0044 2-1/4" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0032)</small>		
26 27 23 00-0045 EA 2-1/4" x 2-5/16", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	313.90	42.78
26 27 23 00-0046 EA 2-1/4" x 2-5/16", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	351.60	42.78
26 27 23 00-0047 EA 2-1/4" x 2-5/16", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	396.01	42.78
26 27 23 00-0048 5" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0032)</small>		
26 27 23 00-0049 EA 5" x 4-3/4", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	649.68	42.78
26 27 23 00-0050 EA 5" x 4-3/4", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	742.14	42.78
26 27 23 00-0051 EA 5" x 4-3/4", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	845.70	42.78
26 27 23 00-0052 2" Diameter, Round Aluminum Communication And Power Pole <small>(26 27 23 00-0032)</small>		
26 27 23 00-0053 EA 2" Diameter, 10'-4" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	356.03	42.78
26 27 23 00-0054 EA 2" Diameter, 10'-4" Height, Painted White Finish, Aluminum Communication And Power Pole	337.40	42.78
26 27 23 00-0055 EA 2" Diameter, 10'-4" Height, Polished Anodized Finish, Aluminum Communication And Power Pole	430.39	42.78
26 27 26 Wiring Devices <small>(26 27)</small>		
Note: Includes device, installation, wire connections, support clips (where necessary) and testing. Assemblies include outlet device, cover plate, mounting and appropriate box.		
26 27 26 00-0001 Receptacles <small>(26 27 26)</small>		
26 27 26 00-0002 General Use Receptacles <small>(26 27 26 00-0001)</small>		
26 27 26 00-0003 Receptacle Assemblies <small>(26 27 26 00-0002)</small>		
Note: Includes 4" square steel box, bracket, mud ring, receptacle and cover plate.		
26 27 26 00-0004 EA 1 Gang, 15 Amp, NEMA 5-15, Duplex Receptacle Assembly.....	79.72	34.26
26 27 26 00-0005 EA 1 Gang, 20 Amp, NEMA 5-20, Duplex Receptacle Assembly.....	85.74	36.67
26 27 26 00-0006 EA 2 Gang, 15 Amp, NEMA 5-15, Duplex Receptacle Assembly.....	103.34	43.90
26 27 26 00-0007 EA 2 Gang, 20 Amp, NEMA 5-20, Duplex Receptacle Assembly.....	115.36	48.73
26 27 26 00-0008 EA 1 Gang, 15 Amp, GFI, Duplex Receptacle Assembly	95.79	34.26
26 27 26 00-0009 EA 1 Gang, 20 Amp, GFI, Duplex Receptacle Assembly	102.66	36.67
26 27 26 00-0010 Receptacle Components <small>(26 27 26 00-0002)</small>		
26 27 26 00-0011 EA 15 Amp, NEMA 5-15, Single Receptacle, 125 Volt, 1 Phase.....	23.68	9.65
26 27 26 00-0012 EA 15 Amp, NEMA 5-15, Duplex Receptacle, 125 Volt, 1 Phase.....	22.74	9.65
26 27 26 00-0013 EA 15 Amp, Single Receptacle, 120/277 Volt, 3 Wire	28.27	9.65
26 27 26 00-0014 EA 15 Amp, Duplex Receptacle, 120/277 Volt, 3 Wire	31.47	9.65
26 27 26 00-0015 EA 15 Amp, NEMA 6-15, Single Receptacle, 250 Volt, 1 Phase.....	40.37	12.06
26 27 26 00-0016 EA 15 Amp, NEMA 6-15, Duplex Receptacle, 250 Volt, 1 Phase.....	50.86	12.06
26 27 26 00-0017 EA 20 Amp, NEMA 5-20, Single Receptacle, 125 Volt, 1 Phase.....	24.91	9.65
26 27 26 00-0018 EA 20 Amp, NEMA 5-20, Duplex Receptacle, 125 Volt, 1 Phase.....	23.93	9.65
26 27 26 00-0019 EA 20 Amp, Single Receptacle, 120/277 Volt	38.34	9.65
26 27 26 00-0020 EA 20 Amp, Duplex Receptacle, 120/277 Volt	30.46	9.65
26 27 26 00-0021 EA 20 Amp, NEMA 6-20, Single Receptacle, 250 Volt, 1 Phase.....	40.37	12.06
26 27 26 00-0022 EA 20 Amp, NEMA 6-20, Duplex Receptacle, 250 Volt, 1 Phase.....	50.86	12.06
26 27 26 00-0023 EA 20 Amp, NEMA 14-20, Single Receptacle, 125/250 Volt, 1 Phase.....	84.52	12.06
26 27 26 00-0024 EA 20 Amp, NEMA 15-20, Single Receptacle, 250 Volt, 3 Phase.....	84.52	12.06
26 27 26 00-0025 EA 25 Amp, Duplex Receptacle, 120/277 Volt	67.74	14.48

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT UNIT COST
 DEMOLITION UNIT COST

26 27 26 00-0026	Specialty Receptacles (26 27 26 00-0001)		
26 27 26 00-0027	Specialty Receptacles (26 27 26 00-0026)		
26 27 26 00-0028	EA 30 Amp, NEMA 5-30, Single Receptacle, 125 Volt, 1 Phase	57.59	16.89
26 27 26 00-0029	EA 30 Amp, NEMA 6-30, Single Receptacle, 250 Volt, 1 Phase	57.59	16.89
26 27 26 00-0030	EA 30 Amp, NEMA 10-30 Single Receptacles, 125/250 Volt	56.82	16.89
26 27 26 00-0031	EA 30 Amp, NEMA 14-30, Single Receptacle, 125/250 Volt, 1 Phase	94.16	16.89
26 27 26 00-0032	EA 30 Amp, NEMA 15-30, Single Receptacle, 250 Volt, 3 Phase	98.99	19.30
26 27 26 00-0033	EA 50 Amp, NEMA 5-50, Single Receptacle, 125 Volt, 1 Phase	90.27	19.30
26 27 26 00-0034	EA 50 Amp, NEMA 6-50, Single Receptacle, 250 Volt, 1 Phase	87.81	19.30
26 27 26 00-0035	EA 50 Amp, NEMA 7-50 Single Receptacles, 277 Volt	75.13	19.30
26 27 26 00-0036	EA 50 Amp, NEMA 10-50 Single Receptacles, 125/250 Volt	68.11	19.30
26 27 26 00-0037	EA 50 Amp, NEMA 14-50, Single Receptacle, 125/250 Volt, 1 Phase	112.41	19.30
26 27 26 00-0038	EA 50 Amp, NEMA 15-50, Single Receptacle, 250 Volt, 3 Phase	117.23	21.71
26 27 26 00-0039	EA 60 Amp, NEMA 14-60, Single Receptacle, 125/250 Volt, 1 Phase	128.77	24.13
26 27 26 00-0040	EA 60 Amp, NEMA 15-60, Single Receptacle, 250 Volt, 3 Phase	138.42	28.95
26 27 26 00-0041	EA 100 Amp, 3 Phase, 480 Volt Joy Receptacle With Box - Complete	1,349.69	226.78
26 27 26 00-0042	EA 400 Amp, 4 Pole Weatherproof Generator Receptacle With Box - Complete	3,523.39	277.44
26 27 26 00-0043	EA 30 Amp, Dryer Receptacle, 230 Volt	69.40	19.30
26 27 26 00-0044	EA 60 Amp, Range Receptacle, 230 Volt	101.05	28.95
26 27 26 00-0045	EA 15 Or 20 Amp, Clock Hanger Receptacle, 120/277 Volt	69.98	12.06
26 27 26 00-0046	EA Cable Reel With 20 Amp, 120 Volt Receptacle - Complete	1,372.38	294.05
26 27 26 00-0047	Isolated Ground Receptacles (26 27 26 00-0026)		
26 27 26 00-0048	EA 15 Amp, 125 Volt, NEMA 5-15R Isolated Ground Receptacle, Simplex	57.85	9.65
	Note: 2 Pole, 3 wire.		
26 27 26 00-0049	EA 20 Amp, 120 Volt Isolated Ground Receptacles, Simplex	58.04	12.06
26 27 26 00-0050	EA 20 Amp, 120 Volt Isolated Ground Receptacles, Duplex	57.79	12.06
26 27 26 00-0051	EA 30 Amp, 120 Volt Isolated Ground Receptacles, Simplex	78.33	19.30
26 27 26 00-0052	EA Locking 15 Amp, 250 Volt Isolated Ground Receptacles	66.11	12.06
26 27 26 00-0053	EA Locking 15 Amp, 277 Volt Isolated Ground Receptacles	59.83	12.06
26 27 26 00-0054	EA Locking 20 Amp, 120/208 Volt Isolated Ground Receptacles	84.32	14.48
26 27 26 00-0055	EA Locking 20 Amp, 277/480 Volt Isolated Ground Receptacles	64.75	14.48
26 27 26 00-0056	EA Locking 20 Amp, 347/600 Volt Isolated Ground Receptacles	86.65	14.48
26 27 26 00-0057	EA Locking 30 Amp, 120/208 Volt Isolated Ground Receptacles	107.99	14.48
26 27 26 00-0058	EA Locking 30 Amp, 277 Volt Isolated Ground Receptacles	102.57	19.30
26 27 26 00-0059	Explosion Proof Receptacles (26 27 26 00-0026)		
26 27 26 00-0060	EA 1/2", 20 Amp, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	542.45	24.13
26 27 26 00-0061	EA 3/4", 20 Amp, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	502.06	26.54
26 27 26 00-0062	EA 3/4", 30 Amp, 2 Watt, 3 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	836.91	48.25
26 27 26 00-0063	EA 3/4", 30 Amp, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,047.63	48.25
26 27 26 00-0064	EA 1-1/4", 60 Amp, 2 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,331.59	72.38
26 27 26 00-0065	EA 1-1/4", 60 Amp, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,270.58	72.38
26 27 26 00-0066	Ground Fault Circuit Interrupter (GFCI) (26 27 26 00-0026)		
26 27 26 00-0067	EA 15 Amp Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	36.40	12.06
26 27 26 00-0068	EA 20 Amp Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	50.51	14.48
26 27 26 00-0069	Arc Fault Circuit Interrupter (AFCI) (26 27 26 00-0026)		
26 27 26 00-0070	EA 15 Amp, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle	71.44	12.06
26 27 26 00-0071	EA 20 Amp, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle	79.22	12.06
26 27 26 00-0072	Locking Receptacle (26 27 26 00-0026)		
26 27 26 00-0073	EA NEMA L5-15, 125 Volt, 2 Pole, 15 Amp, Locking Receptacle	38.62	12.06
26 27 26 00-0074	EA NEMA L6-15, 250 Volt, 2 Pole, 15 Amp, Locking Receptacle	46.14	12.06
26 27 26 00-0075	EA NEMA L5-20, 125 Volt, 2 Pole, 20 Amp, Locking Receptacle	43.36	14.48
26 27 26 00-0076	EA NEMA L6-20, 250 Volt, 2 Pole, 20 Amp, Locking Receptacle	43.03	14.48
26 27 26 00-0077	EA NEMA L8-20, 480 Volt, 2 Pole, 20 Amp, Locking Receptacle	49.65	14.48
26 27 26 00-0078	EA NEMA L9-20, 600 Volt, 2 Pole, 20 Amp, Locking Receptacle	58.20	14.48
26 27 26 00-0079	EA NEMA L10-20, 125/250 Volt, 3 Pole, 20 Amp, Locking Receptacle	57.25	14.48
26 27 26 00-0080	EA NEMA L14-20, 125/250 Volt, 3 Pole, 20 Amp, Locking Receptacle	51.00	14.48
26 27 26 00-0081	EA NEMA L5-30, 125 Volt, 2 Pole, 30 Amp, Locking Receptacle	59.51	19.30
26 27 26 00-0082	EA NEMA L6-30, 250 Volt, 2 Pole, 30 Amp, Locking, Receptacle	60.31	19.30
26 27 26 00-0083	EA NEMA L15-30, 250 Volt, 3 Pole, 30 Amp, Locking Receptacle	111.22	19.30
26 27 26 00-0084	Hospital Grade Receptacle (26 27 26 00-0026)		
26 27 26 00-0085	EA 15 Amp Heavy Duty Hospital Grade, NEMA 5-15, Duplex Receptacle	37.58	9.65
26 27 26 00-0086	EA 20 Amp Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle	40.43	9.65
26 27 26 00-0087	EA 20 Amp Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle, Isolated Ground	45.83	9.65
26 27 26 00-0088	EA 20 Amp Extra Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle	40.84	9.65
26 27 26 00-0089	EA 20 Amp Extra Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle, Isolated Ground	46.42	9.65
26 27 26 00-0090	EA 20 Amp Non-Magnetic MRI Hospital Grade, NEMA 5-20, Duplex Receptacle	50.75	9.65



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0091 EA 120 Volt Transient Voltage Surge Suppressor Receptacle..... Note: Hospital grade receptacle.	159.02	28.95
26 27 26 00-0092 Weathertight Pin And Sleeve Receptacle (26 27 26 00-0026)		
26 27 26 00-0093 EA 20 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R4W).....	208.56	48.25
26 27 26 00-0094 EA 20 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R6W).....	208.09	48.25
26 27 26 00-0095 EA 20 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R7W).....	216.83	48.25
26 27 26 00-0096 EA 20 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R12W).....	263.53	53.07
26 27 26 00-0097 EA 20 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R9W).....	264.26	53.07
26 27 26 00-0098 EA 20 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R7W).....	262.58	53.07
26 27 26 00-0099 EA 30 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R4W).....	313.99	59.34
26 27 26 00-0100 EA 30 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R6W).....	299.78	59.34
26 27 26 00-0101 EA 30 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R7W).....	322.03	59.34
26 27 26 00-0102 EA 30 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R12W).....	326.17	65.14
26 27 26 00-0103 EA 30 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R9W).....	325.89	65.14
26 27 26 00-0104 EA 30 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R7W).....	327.91	65.14
26 27 26 00-0105 EA 60 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R4W).....	456.38	77.20
26 27 26 00-0106 EA 60 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R6W).....	439.17	77.20
26 27 26 00-0107 EA 60 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R7W).....	450.37	77.20
26 27 26 00-0108 EA 60 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R12W).....	501.52	85.89
26 27 26 00-0109 EA 60 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R9W).....	501.85	85.89
26 27 26 00-0110 EA 60 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R7W).....	502.18	85.89
26 27 26 00-0111 EA 100 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R6W).....	558.37	96.51
26 27 26 00-0112 EA 100 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R7W).....	580.43	96.51
26 27 26 00-0113 EA 100 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R12W).....	624.87	106.15
26 27 26 00-0114 EA 100 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R9W).....	623.21	106.15
26 27 26 00-0115 EA 100 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R7W).....	626.33	106.15
26 27 26 00-0116 Corrosion Resistant Receptacle (26 27 26 00-0026)		
26 27 26 00-0117 EA 15/20 Amp, 125 Volt Corrosion Resistant, Power Receptacles.....	75.31	9.65
26 27 26 00-0118 EA 15/20 Amp, 250 Volt Corrosion Resistant, Power Receptacles.....	156.48	12.06
26 27 26 00-0119 Tamper Resistant Receptacle (26 27 26 00-0026)		
26 27 26 00-0120 EA 15 Amp, 125 Volt Duplex Tamper Resistant Receptacle..... Note: Pass & Seymour 3232-TR.	22.52	9.65
26 27 26 00-0121 EA 20 Amp, 125 Volt Duplex Tamper Resistant Receptacle..... Note: Pass & Seymour TR20.	24.18	9.65
26 27 26 00-0122 EA 15 Amp, 125 Volt Single Specification Grade Tamper Resistant Receptacle..... Note: Pass & Seymour TR5251.	28.95	9.65
26 27 26 00-0123 EA 20 Amp, 125 Volt Single Specification Grade Tamper Resistant Receptacle..... Note: Pass & Seymour TR5351.	31.18	9.65
26 27 26 00-0124 EA 15 Amp, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Tamper Resistant Receptacle..... Note: Pass & Seymour S1595-TR*CC8.	44.60	9.65
26 27 26 00-0125 EA 15 Amp, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle..... Note: Pass & Seymour 1595-TRS.	47.80	9.65
26 27 26 00-0126 EA 20 Amp, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle..... Note: Pass & Seymour 2095-TRS.	50.86	9.65
26 27 26 00-0127 USB Charger/Duplex Tamper-Resistant Receptacles (26 27 26 00-0026)		
26 27 26 00-0128 EA 15 Amp, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle.....	45.80	9.65
26 27 26 00-0129 EA 20 Amp, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle.....	49.11	9.65
26 27 26 00-0130 Television Receptacle (26 27 26 00-0001)		
26 27 26 00-0131 EA TV Receptacle With Cover (Type F) - Complete.....	68.38	22.39
26 27 26 00-0132 Switches (26 27 26)		
26 27 26 00-0133 Switches (26 27 26 00-0132)		
26 27 26 00-0134 Switch Assemblies (26 27 26 00-0133) Note: Includes 4" square steel box, bracket, mud ring, switch and cover plate.		
26 27 26 00-0135 EA 1 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly.....	83.93	33.77
26 27 26 00-0136 EA 1 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly.....	90.30	36.67
26 27 26 00-0137 EA 2 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly.....	114.15	44.14
26 27 26 00-0138 EA 2 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly.....	124.97	48.97
26 27 26 00-0139 EA 3 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly.....	194.37	75.76
26 27 26 00-0140 EA 3 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly.....	210.59	82.99
26 27 26 00-0141 EA 4 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly.....	224.39	85.64
26 27 26 00-0142 EA 4 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly.....	246.01	95.29
26 27 26 00-0143 Switch Components (26 27 26 00-0133)		
26 27 26 00-0144 EA 15 Amp, 120/277 Volt, SPST Switch.....	27.91	9.65

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 27	Low-Voltage Distribution Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0145 EA 15 Amp, 120/277 Volt, 3-Way Switch.....	35.45	12.06
26 27 26 00-0146 EA 15 Amp, 120/277 Volt, 4-Way Switch.....	71.44	19.30
26 27 26 00-0147 EA 15 Amp, 120/277 Volt, DPST Switch.....	32.92	9.65
26 27 26 00-0148 EA 15 Amp, 120/277 Volt, Thermal Switch.....	66.94	12.06
26 27 26 00-0149 EA 20 Amp, 120/277 Volt, SPST Switch.....	33.32	12.06
26 27 26 00-0150 EA 20 Amp, 120/277 Volt, 3-Way Switch.....	41.53	14.48
26 27 26 00-0151 EA 20 Amp, 120/277 Volt, 4-Way Switch.....	101.23	19.30
26 27 26 00-0152 EA 20 Amp, 120/277 Volt, DPST Switch.....	41.35	12.06
26 27 26 00-0153 EA 20 Amp, 120/277 Volt, DPDT Switch.....	44.91	12.06
26 27 26 00-0154 EA 15 Amp, 120/277 Volt, Single Pole, Momentary Contact Switch, Toggle, Three Position, Center Off.....	51.67	12.08
26 27 26 00-0155 EA 15 Amp, 120/277 Volt, Momentary Contact Switch, Key Operated, Single Pole, Three Position, Center Off.....	64.31	12.08
26 27 26 00-0156 EA Momentary Contact Switch With Separate Neon Pilot.....	50.48	14.50
Note: Neon Pilot is 125 V, 1 / 125W.		
26 27 26 00-0157 EA 20 Amp, 125 Volt AC, Single Pole, Maintained Contact Switch With Center Off.....	51.61	16.89
Note: Or 250 VAC 10 Amp, double throw BAT handle.		
26 27 26 00-0158 EA 20 Amp, 125 Volt AC, Double Pole, Maintained Contact Switch.....	64.59	19.30
Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.		
26 27 26 00-0159 EA 20 Amp, 125 Volt AC, Three Pole, Maintained Contact Switch.....	101.30	19.30
Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.		
26 27 26 00-0160 EA 30 Amp, 120/277 Volt, Single Pole Local Switch.....	53.81	19.32
26 27 26 00-0161 EA 30 Amp, 120/277 Volt, Double Pole Local Switch.....	65.16	19.32
26 27 26 00-0162 EA 30 Amp, 120/277 Volt, Three-Way Local Switch.....	69.17	24.16
26 27 26 00-0163 EA 30 Amp, 120/277 Volt, Four-Way Local Switch.....	94.72	26.58
26 27 26 00-0164 EA 15 Amp, 120/277 Volt, Local Switch With Neon Pilot.....	50.28	15.80
26 27 26 00-0165 EA 15 Amp, 120/277 Volt, Local Switch With Separate Neon Pilot.....	67.59	15.80
Note: Neon pilot is 125V, 1/25W. Requires 2 gang installation.		
26 27 26 00-0166 EA 15 Amp, 120 Volt, Single Pole Lighted Toggle Switch, Clear Toggle, Lighted In On Position.....	60.13	15.80
26 27 26 00-0167 EA 15 Amp, 120 Volt, Lighted Toggle Switch, Ivory Toggle, Lighted In Off Position.....	57.56	15.80
26 27 26 00-0168 EA Automatic Door Switch, Door Open-Light On, 6 Amp, 125 Volt.....	58.66	7.83
26 27 26 00-0169 EA Automatic Door Switch, Door Closed-Light On, 6 Amp, 125 Volt.....	62.14	7.83
26 27 26 00-0170 EA 15 Amp, 120/277 Volt, Single Pole Momentary Contact Switch, Three Position, Center Off, Toggle.....	69.74	30.15
26 27 26 00-0171 EA Momentary Contact Switch, Three Position, Center Off, Key Operated.....	82.38	30.15
Note: 15A, 120/277 V, Single Pole		
26 27 26 00-0172 EA Single Pole, Slide Dimmer (Leviton IP710-LFZ).....	93.94	9.66
26 27 26 00-0173 EA 8 Amp, 120/277 Volt, 0-10 Volt Dimmer LED Control Switch, White (Lutron DVSTV-WH).....	89.52	9.66
26 27 26 00-0174 EA 120-277 Volt, (8 Amp Lighting/3 Amp Fan), Wireless Dimming Switch (Lutron MRF2-8S-DV-WH).....	126.82	9.65
26 27 26 00-0175 EA 120 Volt, Companion Wireless Dimmer Switch (Lutron MA-AS-WH).....	44.10	9.65
26 27 26 00-0176 EA Sunrise Electronic Wall Dimmer, 1200VA 0-10V LED and Fluorescent (Philips SR1200ZTUNV).....	96.01	9.66
26 27 26 00-0177 EA 1 Zone, 2 Button Wireless Scheduling Switch (LG 9SSA2B1T520.ALWB000).....	111.55	9.66
26 27 26 00-0178 EA 2 Zone, 4 Button Wireless Scheduling Switch (LG 9SSA2B2T520.ALWB000).....	145.45	9.66
26 27 26 00-0179 EA Wireless Single Rocker Remote Switch (Leviton WSS0S-S9).....	96.57	9.66
26 27 26 00-0180 Specialty Switches (26 27 26 00-0132)		
26 27 26 00-0181 Dimmers With SPST Switch (26 27 26 00-0180)		
26 27 26 00-0182 EA 600 Watt Dimmers With SPST Switch.....	62.04	21.71
26 27 26 00-0183 EA 1,000 Watt Dimmers With SPST Switch.....	120.13	21.71
26 27 26 00-0184 EA 1,500 Watt Dimmers With SPST Switch.....	219.89	34.94
26 27 26 00-0185 EA 2,000 Watt Dimmers With SPST Switch.....	294.02	34.94
26 27 26 00-0186 EA 600 Watt Fluorescent Dimmer Switch.....	158.35	25.77
26 27 26 00-0187 EA 1,000 Watt Fluorescent Dimmer Switch.....	222.13	25.77
26 27 26 00-0188 EA 1,500 Watt Fluorescent Dimmer Switch.....	408.68	38.89
26 27 26 00-0189 EA Remote Speed Switch For Paddle Fan.....	105.32	32.13
26 27 26 00-0190 EA 600 Watt Combination Remote Speed Switch/Incandescent Dimmer.....	178.02	47.96
26 27 26 00-0191 Time Switches (26 27 26 00-0180)		
26 27 26 00-0192 EA 40 Amp, SPST, 125 Volt, Standard Time Switch.....	125.00	28.95
26 27 26 00-0193 EA 40 Amp, SPST, 277 Volt, Standard Time Switch.....	128.36	28.95
26 27 26 00-0194 EA 40 Amp, DPST, 125 Volt, Standard Time Switch.....	125.00	28.95
26 27 26 00-0195 EA 40 Amp, DPST, 277 Volt, Standard Time Switch.....	128.36	28.95
26 27 26 00-0196 EA 40 Amp, SPST, 125 Volt, 7-Day Time Switch.....	147.37	28.95
26 27 26 00-0197 EA 40 Amp, SPST, 277 Volt, 7-Day Time Switch.....	147.37	28.95
26 27 26 00-0198 EA 40 Amp, DPDT, 125 Volt, 7-Day Time Switch.....	279.34	28.95
26 27 26 00-0199 EA 40 Amp, DPDT, 277 Volt, 7-Day Time Switch.....	279.34	28.95
26 27 26 00-0200 EA 20 Amp, SPST, 125 Volt, Programmable Time Switch.....	237.00	28.95
26 27 26 00-0201 EA 20 Amp, SPST, 277 Volt, Programmable Time Switch.....	262.86	28.95
26 27 26 00-0202 EA 20 Amp, SPST, 277 Volt, Programmable Time Switch - Weatherproof.....	262.86	28.95
26 27 26 00-0203 EA 40 Amp, 4PST, 125 Volt, Astro Dial Time Switch.....	323.97	28.95
26 27 26 00-0204 EA 40 Amp, 4PST, 277 Volt, Astro Dial Time Switch.....	334.25	28.95
26 27 26 00-0205 EA 40 Amp, SPST, 125 Volt, Standard Time Switch - Weatherproof.....	125.00	28.95
26 27 26 00-0206 EA 40 Amp, SPST, 277 Volt, Standard Time Switch - Weatherproof.....	128.36	28.95
26 27 26 00-0207 EA 40 Amp, DPST, 125 Volt, Standard Time Switch - Weatherproof.....	125.00	28.95
26 27 26 00-0208 EA 40 Amp, DPST, 277 Volt, Standard Time Switch - Weatherproof.....	128.36	28.95
26 27 26 00-0209 EA 40 Amp, SPST, 125 Volt, 7-Day Time Switch - Weatherproof.....	147.37	28.95
26 27 26 00-0210 EA 40 Amp, SPST, 277 Volt, 7-Day Time Switch - Weatherproof.....	147.37	28.95
26 27 26 00-0211 EA 40 Amp, DPDT, 125 Volt, 7-Day Time Switch - Weatherproof.....	279.34	28.95
26 27 26 00-0212 EA 40 Amp, DPDT, 277 Volt, 7-Day Time Switch - Weatherproof.....	279.34	28.95
26 27 26 00-0213 EA 40 Amp, 4PST, 125 Volt, Astro Dial Time Switch - Weatherproof.....	323.97	28.95
26 27 26 00-0214 EA 40 Amp, 4PST, 277 Volt, Astro Dial Time Switch - Weatherproof.....	334.25	28.95



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0215 Low Voltage Switching <small>(26 27 26 00-0180)</small>		
26 27 26 00-0216 EA 36 Pin Male Or Female Connector	236.24	9.65
26 27 26 00-0217 Other Switches <small>(26 27 26 00-0180)</small>		
26 27 26 00-0218 EA Pull Chain Switch 120/277 Volt AC Installed In Light Fixture	33.11	14.48
26 27 26 00-0219 EA Locking Switch, SPST Concealed Devices.....	106.05	38.60
26 27 26 00-0220 EA Locking Switch, 3-Way Concealed Devices.....	107.84	38.60
26 27 26 00-0221 EA Emergency Off Switch, With 1 Non-Closing Contact, Circular, Red, With Guard	123.28	36.09
26 27 26 00-0222 EA 15 Amp Momentary Contact Switch.....	115.96	36.09
26 27 26 00-0223 EA 20 Amp Momentary Contact Switch.....	123.67	36.09
26 27 26 00-0224 EA 2-1/4" Handy Box Cover Units Fuseholder Switch.....	108.50	43.49
26 27 26 00-0225 EA 2-3/4" Handy Box Cover Units Fuseholder Switch.....	110.65	43.49
26 27 26 00-0226 EA 4" Square Box Cover Units With 2 Fuseholders And 2 Switches.....	136.44	53.15
26 27 26 00-0227 EA 4" Square Box Cover Units With 1 Fuseholder And 1 Switch	124.08	48.32
26 27 26 00-0228 EA 4" Octagon Box Cover Units With 1 Fuseholder And 1 Switch.....	124.62	48.32
26 27 26 00-0229 Plates And Covers <small>(26 27 26)</small>		
26 27 26 00-0230 Wall Plates <small>(26 27 26 00-0229)</small>		
26 27 26 00-0231 Nylon Wall Plates <small>(26 27 26 00-0230)</small>		
26 27 26 00-0232 EA 1 Gang Nylon Switch Plate	1.37	0.48
26 27 26 00-0233 EA 2 Gang Nylon Switch Plate	2.27	0.72
26 27 26 00-0234 EA 3 Gang Nylon Switch Plate	3.21	0.96
26 27 26 00-0235 EA 4 Gang Nylon Switch Plate	4.52	1.20
26 27 26 00-0236 EA 1 Gang Duplex Nylon Wall Plate.....	1.38	0.48
26 27 26 00-0237 EA 2 Gang Duplex Nylon Wall Plate.....	2.32	0.72
26 27 26 00-0238 Plastic Wall Plates <small>(26 27 26 00-0230)</small>		
26 27 26 00-0239 EA 1 Gang Plastic Switch Plate.....	1.29	0.48
26 27 26 00-0240 EA 2 Gang Plastic Switch Plate.....	2.10	0.72
26 27 26 00-0241 EA 3 Gang Plastic Switch Plate	2.95	0.96
26 27 26 00-0242 EA 4 Gang Plastic Switch Plate	4.52	1.20
26 27 26 00-0243 EA 1 Gang Duplex Plastic Wall Plate	1.29	0.48
26 27 26 00-0244 EA 2 Gang Duplex Plastic Wall Plate	2.11	0.72
26 27 26 00-0245 Brass Wall Plates <small>(26 27 26 00-0230)</small>		
26 27 26 00-0246 EA 1 Gang 0.04" Brass Switch Plate	12.13	2.18
26 27 26 00-0247 EA 2 Gang 0.04" Brass Switch Plate	21.94	2.51
26 27 26 00-0248 EA 3 Gang 0.04" Brass Switch Plate	31.64	2.80
26 27 26 00-0249 EA 4 Gang 0.04" Brass Switch Plate	48.53	3.04
26 27 26 00-0250 EA 5 Gang 0.04" Brass Switch Plate	58.86	3.24
26 27 26 00-0251 EA 6 Gang 0.04" Brass Switch Plate	67.94	3.38
26 27 26 00-0252 EA 1 Gang 0.04" Brass Duplex Receptacle Wall Plate.....	12.13	2.18
26 27 26 00-0253 EA 2 Gang 0.04" Brass Duplex Receptacle Wall Plate.....	25.49	2.51
26 27 26 00-0254 EA 3 Gang 0.04" Brass Duplex Receptacle Wall Plate.....	36.32	2.80
26 27 26 00-0255 Stainless Steel Wall Plates <small>(26 27 26 00-0230)</small>		
26 27 26 00-0256 EA 1 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	7.01	2.18
26 27 26 00-0257 EA 2 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	10.75	2.51
26 27 26 00-0258 EA 3 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	14.65	2.80
26 27 26 00-0259 EA 4 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	20.93	3.04
26 27 26 00-0260 EA 5 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	24.46	3.24
26 27 26 00-0261 EA 6 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	29.31	3.38
26 27 26 00-0262 EA 1 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish	7.57	2.18
26 27 26 00-0263 EA 2 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish	12.08	2.51
26 27 26 00-0264 EA 3 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish	19.04	2.80
26 27 26 00-0265 EA 4 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish	22.84	3.04
26 27 26 00-0266 Chrome Wall Plates <small>(26 27 26 00-0230)</small>		
26 27 26 00-0267 EA 1 Gang 0.040" Chrome Switch Plate With Chromium Finish	23.16	2.18
26 27 26 00-0268 EA 2 Gang 0.040" Chrome Switch Plate With Chromium Finish	42.60	2.51
26 27 26 00-0269 EA 3 Gang 0.040" Chrome Switch Plate With Chromium Finish	61.98	2.80
26 27 26 00-0270 EA 1 Gang 0.040" Chrome Duplex Receptacle Wall Plate With Chromium Finish.....	23.14	2.18
26 27 26 00-0271 Weatherproof Covers <small>(26 27 26 00-0229)</small>		
26 27 26 00-0272 Stamped Metallic Weatherproof Covers <small>(26 27 26 00-0271)</small>		
Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0273 EA Blank Cover, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FBC).....	9.15	0.48
26 27 26 00-0274 EA Duplex Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FAC).....	9.91	0.48
26 27 26 00-0275 EA Single Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FRC).....	9.91	0.48



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0276 EA Toggle Switch, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FTC)	9.91	0.48
26 27 26 00-0277 EA Blank Cover, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FBC)	12.17	0.72
26 27 26 00-0278 EA Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FAC)	13.81	0.72
26 27 26 00-0279 EA Single Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FRC)	13.97	0.72
26 27 26 00-0280 EA Toggle Switch, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTC)	13.97	0.72
26 27 26 00-0281 EA Toggle Switch And Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTAC)	18.96	0.72
26 27 26 00-0282 EA Blank Cover, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FB)	18.02	0.96
26 27 26 00-0283 EA Toggle Switch, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FT)	19.69	0.96
26 27 26 00-0284 Cast Metallic Weatherproof Covers <small>(26 27 26 00-0271)</small>		
Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0285 EA Blank Cover, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSBC)	11.19	0.48
26 27 26 00-0286 EA Duplex Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLA)	35.62	0.48
26 27 26 00-0287 EA Single Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLR)	39.93	0.48
26 27 26 00-0288 EA Guarded Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSTG)	11.11	0.48
26 27 26 00-0289 EA Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLT)	30.20	0.48
26 27 26 00-0290 EA Lever Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSPT)	50.20	0.48
26 27 26 00-0291 EA Plunger Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FST)	63.89	0.48
26 27 26 00-0292 EA Blank Cover, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FSBC)	13.97	0.72
26 27 26 00-0293 EA Plunger Operated Toggle Switch, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FST)	100.92	0.72
26 27 26 00-0294 EA Blank Cover, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FSBC)	23.38	0.96
26 27 26 00-0295 EA Plunger Operated Toggle Switch, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FST)	96.47	0.96
26 27 26 00-0296 Die Cast Aluminum Weatherproof Covers <small>(26 27 26 00-0271)</small>		
Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0297 EA Duplex Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5027)	3.82	0.48
26 27 26 00-0298 EA Single Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5026)	4.86	0.48
26 27 26 00-0299 EA Duplex Receptacles, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5032)	6.54	0.72
26 27 26 00-0300 EA Toggle Switch, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5041)	7.09	0.72
26 27 26 00-0301 EA Toggle Switch And Duplex Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5042)	7.09	0.72
26 27 26 00-0302 EA Toggle Switch And Single Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5043)	7.87	0.72
26 27 26 00-0303 Heavy Duty Die Cast Aluminum Weatherproof Covers <small>(26 27 26 00-0271)</small>		
Note: Includes baked on lacquer finish and neoprene gasket.		
26 27 26 00-0304 EA Duplex Receptacle, Single Gang, Heavy Duty Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Pass & Seymour Legrand® 4510)	37.84	0.48
26 27 26 00-0305 Polycarbonate Weatherproof Covers <small>(26 27 26 00-0271)</small>		
Note: Includes neoprene gasket.		
26 27 26 00-0306 EA Toggle Switch, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	7.72	0.48
26 27 26 00-0307 EA Duplex Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	7.72	0.48
26 27 26 00-0308 EA Single Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	7.72	0.48
26 27 26 00-0309 EA Duplex Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775)	9.58	0.72
26 27 26 00-0310 EA Toggle Switch And Single Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775)	9.58	0.72
26 27 26 00-0311 High Impact Thermoplastic Weatherproof Covers <small>(26 27 26 00-0271)</small>		
Note: Includes neoprene gasket.		
26 27 26 00-0312 EA Duplex Receptacle, Single Gang, High Impact Thermoplastic Weatherproof Cover With Self Closing Lid (Hubbell® HBL522)	51.03	0.48
26 27 26 00-0313 Non Metallic (PVC) Weatherproof Covers <small>(26 27 26 00-0271)</small>		
Note: Includes neoprene gasket.		
26 27 26 00-0314 EA Blank Cover, Single Gang, Non Metallic (PVC) Weatherproof Cover	7.71	0.48
26 27 26 00-0315 EA Blank Cover, Two Gang, Non Metallic (PVC) Weatherproof Cover	8.39	0.72
26 27 26 00-0316 EA Toggle Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover	7.74	0.48
26 27 26 00-0317 EA Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover	16.74	0.48
26 27 26 00-0318 EA Duplex Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover	19.36	0.48
26 27 26 00-0319 EA 20 Amp Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover	15.74	0.48
26 27 26 00-0320 EA 30 Amp Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover	11.80	0.48
26 27 26 00-0321 EA 50 Amp Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover	13.76	0.48
26 27 26 00-0322 EA Plunger Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover	12.33	0.48
26 27 26 00-0323 EA Double Duplex Receptacle, Two Gang, Non Metallic (PVC) Weatherproof Cover	17.78	0.72
26 27 26 00-0324 Removal And Reinstallation Of Wiring Devices <small>(26 27 26)</small>		
Note: Includes storage and cleaning.		
26 27 26 00-0325 EA Removal And Reinstallation Of Receptacle, Switch, Outlet Or Special System Device	63.49	
26 27 26 00-0326 EA Removal And Reinstallation Of Receptacle Or Switch Outlet Cover Plate	8.05	
26 27 26 00-0327 Relay Systems <small>(26 27 26)</small>		
26 27 26 00-0328 EA Relay 2 Position, 10 Amp, 24 Volt Coil	66.26	21.71



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0329 EA Industrial Control Relay 20 Amp, 120 Volt Coil Up To 4 Contacts	266.48	72.38
26 27 26 00-0330 EA Industrial Control Relay 20 Amp, 120 Volt Coil 12 Contacts	436.64	96.51
26 27 26 00-0331 Limit Switches (26 27 26)		
26 27 26 00-0332 Heavy Duty Precision Oiltight (26 27 26 00-0331)		
26 27 26 00-0333 Lever Arm, Plunger, Wobble Stick Type (26 27 26 00-0332)		
26 27 26 00-0334 EA Limit Switch, Heavy Duty, Lever Arm Weatherproof, 10 Amp Rated	377.18	60.80
26 27 26 00-0335 In Line Midget Fuseholders (26 27 26)		
See CSI section 26 28 13 00-0078 for fuses.		
26 27 26 00-0336 EA Single Pole Water Resistant In Line Midget Fuseholder	61.40	
26 27 26 00-0337 EA Double Pole Water Resistant In Line Midget Fuseholder	128.10	
26 27 33 Power Distribution Units (26 27)		
Note: Includes wiring connections and testing.		
26 27 33 00-0001 Liebert Precision Power Center (26 27 33)		
Note: With K20 Trans Spike Suppression Modules Lighting/ Surge Arrestors. Includes start-up.		
26 27 33 00-0002 EA PDU 15 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC015C)	11,918.86	296.74
26 27 33 00-0003 EA PDU 30 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC030C)	14,372.09	321.64
26 27 33 00-0004 EA PDU 50 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC050C)	16,374.17	357.06
26 27 33 00-0005 EA PDU 75 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC075C)	18,826.70	386.00
26 27 33 00-0006 EA PDU 100 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC100C)	20,576.14	482.51
26 27 33 00-0007 EA PDU 125 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC125C)	23,103.81	579.01
26 27 33 00-0008 EA PDU 150 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC150C)	26,661.47	675.51
26 27 33 00-0009 EA PDU 200 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC200C)	28,260.58	772.01
26 27 33 00-0010 EA PDU 225 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC225C)	29,679.69	868.52
26 27 33 00-0011 EA Ex Panelboard 10-30 KVA	1,094.82	96.51
26 27 33 00-0012 EA Ex Panelboard 50-125 KVA	1,623.73	120.63
26 27 33 00-0013 EA Ex Panelboard 150-220 KVA	3,594.65	144.75
26 27 33 00-0014 EA Removal And Reinstallation Of Power Distribution Unit	1,544.03	
Note: Includes disconnection / reconnection of branch circuits, storage and cleaning.		
26 27 33 00-0015 EA Start-Up Liebert Power Distribution Unit Line Item Applies To A Relocation Only	1,158.02	
26 27 73 Door Chimes (26 27)		
26 27 73 00-0001 Door Chimes (26 27 73)		
26 27 73 00-0002 EA Door Bell, Push-button And Transformer - Complete	583.37	201.02
26 27 73 00-0003 EA Visual Flashing Doorbell Indicator, Wire To Existing System - Complete	266.72	48.25
26 27 73 00-0004 EA Replacement Bell/Buzzer - Complete	104.17	24.13
Note: Includes removal of existing.		
26 28 Low-Voltage Circuit Protective Devices (26 20)		
26 28 13 Fuses (26 28)		
26 28 13 00-0001 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuses (26 28 13)		
26 28 13 00-0002 EA 1 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	20.69	6.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.63	
26 28 13 00-0003 EA 2 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	20.27	6.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.63	
26 28 13 00-0004 EA 3 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	19.70	6.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.63	
26 28 13 00-0005 EA 5 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	19.62	6.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.63	
26 28 13 00-0006 EA 6 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	20.15	6.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.63	
26 28 13 00-0007 EA 8 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	19.12	6.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.63	
26 28 13 00-0008 EA 10 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	18.87	6.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.63	
26 28 13 00-0009 EA 15 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	16.85	6.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.63	
26 28 13 00-0010 EA 20 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	16.54	6.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.63	
26 28 13 00-0011 EA 25 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	17.12	6.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.63	
26 28 13 00-0012 EA 30 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	16.72	6.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.63	
26 28 13 00-0013 Class RK1, Time Delay Fuses (26 28 13)		
26 28 13 00-0014 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses (26 28 13 00-0013)		
26 28 13 00-0015 EA 1 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	30.64	6.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0056 EA 30 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	37.96	6.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.63	
26 28 13 00-0057 EA 35 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	53.78	6.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.63	
26 28 13 00-0058 EA 40 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	53.90	6.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.63	
26 28 13 00-0059 EA 45 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	52.90	6.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.63	
26 28 13 00-0060 EA 50 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	53.37	6.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.63	
26 28 13 00-0061 EA 60 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	53.79	6.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.63	
26 28 13 00-0062 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuses ^{(26 28}		
<small>^{13 00-0013)}</small>		
26 28 13 00-0063 EA 70 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	98.99	8.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 28 13 00-0064 EA 80 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	101.71	9.56
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.37	
26 28 13 00-0065 EA 90 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	101.18	9.56
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.37	
26 28 13 00-0066 EA 100 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	101.60	9.56
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.37	
26 28 13 00-0067 EA 110 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	182.62	9.56
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.37	
26 28 13 00-0068 EA 125 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	185.31	9.56
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.37	
26 28 13 00-0069 EA 150 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	183.99	11.77
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.82	
26 28 13 00-0070 EA 200 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	183.54	11.77
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.82	
26 28 13 00-0071 EA 250 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	345.01	11.77
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.82	
26 28 13 00-0072 EA 300 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	348.29	14.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.55	
26 28 13 00-0073 EA 350 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	391.91	14.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.55	
26 28 13 00-0074 EA 400 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	355.71	14.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.55	
26 28 13 00-0075 EA 450 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	633.60	14.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.55	
26 28 13 00-0076 EA 500 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	566.59	17.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.58	
26 28 13 00-0077 EA 600 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	495.21	17.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.58	
26 28 13 00-0078 600 Volt AC, Class CC Midget Fuses ^(26 28 13)		
<small>Note: 250/300 Volt DC.</small>		
26 28 13 00-0079 EA 1 Amp, 600 Volt AC, Class CC Midget Fuse.....	34.81	6.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.63	
26 28 13 00-0080 EA 2 Amp, 600 Volt AC, Class CC Midget Fuse.....	35.30	6.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.63	
26 28 13 00-0081 EA 3 Amp, 600 Volt AC, Class CC Midget Fuse.....	35.16	6.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.63	
26 28 13 00-0082 EA 5 Amp, 600 Volt AC, Class CC Midget Fuse.....	35.00	6.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.63	
26 28 13 00-0083 EA 6 Amp, 600 Volt AC, Class CC Midget Fuse.....	37.30	6.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.63	
26 28 13 00-0084 EA 8 Amp, 600 Volt AC, Class CC Midget Fuse.....	33.63	6.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.63	
26 28 13 00-0085 EA 10 Amp, 600 Volt AC, Class CC Midget Fuse.....	37.93	6.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.63	
26 28 13 00-0086 EA 15 Amp, 600 Volt AC, Class CC Midget Fuse.....	35.02	6.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.63	
26 28 13 00-0087 EA 20 Amp, 600 Volt AC, Class CC Midget Fuse.....	34.42	6.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.63	
26 28 13 00-0088 EA 25 Amp, 600 Volt AC, Class CC Midget Fuse.....	33.05	6.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.63	
26 28 13 00-0089 EA 30 Amp, 600 Volt AC, Class CC Midget Fuse.....	34.21	6.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.63	
26 28 13 00-0090 200,000 Ampere Interrupting Capacity, 600 Volt AC, Class J Bolted Fuse ⁽²⁶		
<small>^{28 13)}</small>		
26 28 13 00-0091 EA 1 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	42.88	4.83
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.90	
26 28 13 00-0092 EA 3 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	43.20	4.83
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.90	
26 28 13 00-0093 EA 6 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	37.89	5.79
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.47	
26 28 13 00-0094 EA 10 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	38.24	7.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.34	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 28 Low-Voltage Circuit Protective Devices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0095 EA 15 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	39.00	7.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.34	
26 28 13 00-0096 EA 20 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	38.32	7.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.34	
26 28 13 00-0097 EA 25 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	48.97	9.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.79	
26 28 13 00-0098 EA 30 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	41.35	9.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.79	
26 28 13 00-0099 EA 35 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	69.80	9.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.79	
26 28 13 00-0100 EA 40 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	60.00	9.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.79	
26 28 13 00-0101 EA 45 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	68.30	9.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.79	
26 28 13 00-0102 EA 50 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	61.86	12.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.24	
26 28 13 00-0103 EA 60 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	60.80	12.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.24	
26 28 13 00-0104 EA 70 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	92.93	14.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.69	
26 28 13 00-0105 EA 80 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	98.75	14.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.69	
26 28 13 00-0106 EA 90 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	97.26	14.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.69	
26 28 13 00-0107 EA 100 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	86.64	16.89
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.13	
26 28 13 00-0108 EA 110 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	195.16	16.89
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.13	
26 28 13 00-0109 EA 125 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	166.72	16.89
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.13	
26 28 13 00-0110 EA 150 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	160.07	19.30
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.58	
26 28 13 00-0111 EA 175 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	162.33	19.30
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.58	
26 28 13 00-0112 EA 200 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	135.88	19.30
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.58	
26 28 13 00-0113 EA 225 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	333.70	19.30
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.58	
26 28 13 00-0114 EA 250 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	309.01	19.30
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.58	
26 28 13 00-0115 EA 300 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	285.25	19.30
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.58	
26 28 13 00-0116 EA 350 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	310.54	19.30
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.58	
26 28 13 00-0117 EA 400 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	258.34	21.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.03	
26 28 13 00-0118 EA 450 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	540.44	21.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.03	
26 28 13 00-0119 EA 500 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	460.65	24.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.48	
26 28 13 00-0120 EA 600 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	344.75	24.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.48	
26 28 13 00-0121 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuses (26 28 13)		
26 28 13 00-0122 EA 100 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,023.99	12.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.24	
26 28 13 00-0123 EA 150 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,026.00	12.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.24	
26 28 13 00-0124 EA 200 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,027.88	12.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.24	
26 28 13 00-0125 EA 250 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,025.49	14.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.69	
26 28 13 00-0126 EA 300 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	944.89	14.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.69	
26 28 13 00-0127 EA 350 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,011.57	16.89
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.13	
26 28 13 00-0128 EA 400 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	931.55	16.89
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.13	
26 28 13 00-0129 EA 450 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,041.13	16.89
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.13	
26 28 13 00-0130 EA 500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,020.94	16.89
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.13	
26 28 13 00-0131 EA 600 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	909.70	19.30
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.58	
26 28 13 00-0132 EA 601 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	933.99	19.30
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.58	
26 28 13 00-0133 EA 650 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,239.24	19.30
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.58	
26 28 13 00-0134 EA 700 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	905.30	19.30
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.58	
26 28 13 00-0135 EA 750 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,387.02	21.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0136 EA 800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	802.55	21.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.03	
26 28 13 00-0137 EA 900 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,167.99	21.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.03	
26 28 13 00-0138 EA 1,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	789.20	21.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.03	
26 28 13 00-0139 EA 1,200 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	812.43	21.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.03	
26 28 13 00-0140 EA 1,350 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,795.48	21.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.03	
26 28 13 00-0141 EA 1,400 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,770.38	21.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.03	
26 28 13 00-0142 EA 1,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,598.14	21.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.03	
26 28 13 00-0143 EA 1,600 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,002.70	24.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.48	
26 28 13 00-0144 EA 1,800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,114.21	24.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.48	
26 28 13 00-0145 EA 2,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,356.99	24.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.48	
26 28 13 00-0146 EA 2,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,831.03	24.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.48	
26 28 13 00-0147 EA 2,501 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	3,112.38	24.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.48	
26 28 13 00-0148 EA 3,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,041.05	26.54
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.92	
26 28 13 00-0149 EA 3,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	4,209.38	26.54
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.92	
26 28 13 00-0150 EA 3,800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	4,882.61	26.54
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.92	
26 28 13 00-0151 EA 4,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,827.86	26.54
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.92	
26 28 13 00-0152 EA 5,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	4,456.57	26.54
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.92	
26 28 13 00-0153 EA 6,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	7,370.33	26.54
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.92	

26 28 16 Enclosed Switches And Circuit Breakers (26 28)

26 28 16 00-0001	Motor And Circuit Disconnects (26 28 16)		
	Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the disconnect.		
26 28 16 00-0002	NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0001)		
26 28 16 00-0003	Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0002)		
	Note: Includes fuses and neutral bar.		
26 28 16 00-0004	240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0003)		
26 28 16 00-0005 EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	339.04	96.51
26 28 16 00-0006 EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	524.67	116.28
26 28 16 00-0007 EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	715.58	136.07
26 28 16 00-0008 EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,228.02	214.23
26 28 16 00-0009 EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,582.89	332.93
26 28 16 00-0010 EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,298.43	492.16
26 28 16 00-0011 EA	800 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,842.53	579.01
26 28 16 00-0012 EA	1,200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,820.70	675.51
26 28 16 00-0013	600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0003)		
26 28 16 00-0014 EA	30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	506.81	107.22
26 28 16 00-0015 EA	60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	611.44	129.22
26 28 16 00-0016 EA	100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	959.76	151.02
26 28 16 00-0017 EA	200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,422.57	238.36
26 28 16 00-0018 EA	400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,069.27	369.79
26 28 16 00-0019 EA	600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,777.63	546.59

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0020 EA 800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,026.74	642.99
26 28 16 00-0021 EA 1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,570.37	750.59
26 28 16 00-0022 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0003)</small>		
26 28 16 00-0023 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	485.68	151.51
26 28 16 00-0024 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	710.45	201.21
26 28 16 00-0025 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	945.59	223.40
26 28 16 00-0026 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,494.93	349.82
26 28 16 00-0027 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,069.93	574.18
26 28 16 00-0028 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,962.97	804.35
26 28 16 00-0029 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0003)</small>		
26 28 16 00-0030 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	627.43	167.43
26 28 16 00-0031 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	799.90	223.40
26 28 16 00-0032 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,160.44	251.38
26 28 16 00-0033 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,711.66	383.12
26 28 16 00-0034 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,757.52	618.58
26 28 16 00-0035 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,022.83	893.61
26 28 16 00-0036 EA 800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,499.76	1,061.52
26 28 16 00-0037 EA 1,200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	12,108.13	1,206.27
26 28 16 00-0038 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0003)</small>		
26 28 16 00-0039 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	471.66	151.51
26 28 16 00-0040 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	692.32	201.21
26 28 16 00-0041 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	912.62	223.40
26 28 16 00-0042 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,540.28	349.82
26 28 16 00-0043 EA 400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,325.52	574.18
26 28 16 00-0044 EA 600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,347.49	804.35
26 28 16 00-0045 EA 800 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,776.46	1,013.27
26 28 16 00-0046 EA 1,200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,800.96	1,158.02
26 28 16 00-0047 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0003)</small>		
26 28 16 00-0048 EA 30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	678.90	167.43
26 28 16 00-0049 EA 60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	863.14	223.40
26 28 16 00-0050 EA 100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,252.91	251.38
26 28 16 00-0051 EA 200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,850.10	383.12
26 28 16 00-0052 EA 400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,052.88	618.58
26 28 16 00-0053 EA 600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,544.46	893.61
26 28 16 00-0054 EA 800 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,365.79	1,061.52
26 28 16 00-0055 EA 1,200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	13,043.63	1,206.27



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0056 Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0002)</small>		
26 28 16 00-0057 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0056)</small>		
26 28 16 00-0058 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	330.17	139.64
26 28 16 00-0059 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	509.18	194.25
26 28 16 00-0060 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	694.47	223.40
26 28 16 00-0061 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,089.08	357.45
26 28 16 00-0062 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,176.69	595.70
26 28 16 00-0063 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,532.43	812.35
26 28 16 00-0064 EA 800 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,015.27	965.01
26 28 16 00-0065 EA 1,200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	6,598.34	1,126.27
26 28 16 00-0066 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0056)</small>		
26 28 16 00-0067 EA 30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	364.67	154.12
26 28 16 00-0068 EA 60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	576.25	218.00
26 28 16 00-0069 EA 100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	784.24	248.21
26 28 16 00-0070 EA 200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,217.64	388.52
26 28 16 00-0071 EA 400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,341.80	638.27
26 28 16 00-0072 EA 600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,906.70	893.51
26 28 16 00-0073 EA 800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,544.67	965.01
26 28 16 00-0074 EA 1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	7,323.33	1,126.27
26 28 16 00-0075 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0056)</small>		
26 28 16 00-0076 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	388.47	125.45
26 28 16 00-0077 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	590.28	174.67
26 28 16 00-0078 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	787.74	201.21
26 28 16 00-0079 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,239.07	321.83
26 28 16 00-0080 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,454.15	536.07
26 28 16 00-0081 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,923.40	731.00
26 28 16 00-0082 EA 800 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	6,655.47	868.52
26 28 16 00-0083 EA 1,200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	8,643.72	1,013.27
26 28 16 00-0084 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0056)</small>		
26 28 16 00-0085 EA 30 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	424.21	138.48
26 28 16 00-0086 EA 60 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	650.10	196.38
26 28 16 00-0087 EA 100 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	859.96	223.40
26 28 16 00-0088 EA 200 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,337.55	349.82
26 28 16 00-0089 EA 400 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,629.43	574.18
26 28 16 00-0090 EA 600 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,245.41	804.35
26 28 16 00-0091 EA 800 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	7,005.55	868.52

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0092 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0056)</small>		
26 28 16 00-0093 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	450.33	138.68
26 28 16 00-0094 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	694.63	196.19
26 28 16 00-0095 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	932.39	223.40
26 28 16 00-0096 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,449.11	349.62
26 28 16 00-0097 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,785.48	574.37
26 28 16 00-0098 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,707.25	804.15
26 28 16 00-0099 EA 800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	7,532.94	868.52
26 28 16 00-0100 EA 1,200 Amp, 600 Volt Class, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	9,824.95	1,013.27
26 28 16 00-0101 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0056)</small>		
26 28 16 00-0102 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	639.30	125.64
26 28 16 00-0103 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	778.40	174.86
26 28 16 00-0104 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,175.74	201.02
26 28 16 00-0105 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,769.72	321.64
26 28 16 00-0106 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0056)</small>		
26 28 16 00-0107 EA 30 Amp, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	693.03	138.48
26 28 16 00-0108 EA 60 Amp, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	851.68	196.38
26 28 16 00-0109 EA 100 Amp, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,275.69	223.40
26 28 16 00-0110 EA 200 Amp, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,906.12	349.82
26 28 16 00-0111 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0056)</small>		
26 28 16 00-0112 EA 30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	765.71	138.68
26 28 16 00-0113 EA 60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	931.85	196.19
26 28 16 00-0114 EA 100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,419.87	223.40
26 28 16 00-0115 EA 200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,116.15	349.62
26 28 16 00-0116 General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0002)</small> Note: Includes fuses and neutral bar.		
26 28 16 00-0117 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0116)</small>		
26 28 16 00-0118 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	239.74	83.96
26 28 16 00-0119 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	323.27	101.03
26 28 16 00-0120 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	487.42	118.12
26 28 16 00-0121 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	893.74	186.35
26 28 16 00-0122 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,085.10	289.03
26 28 16 00-0123 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,869.73	427.79
26 28 16 00-0124 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0116)</small>		
26 28 16 00-0125 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	335.50	131.91



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0126 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	470.57	174.86
26 28 16 00-0127 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	639.69	194.25
26 28 16 00-0128 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,130.04	304.07
26 28 16 00-0129 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,507.94	499.49
26 28 16 00-0130 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,416.50	699.25
26 28 16 00-0131 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0116)</small>		
26 28 16 00-0132 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	369.41	131.91
26 28 16 00-0133 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	525.25	174.86
26 28 16 00-0134 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	689.45	194.25
26 28 16 00-0135 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,255.40	304.07
26 28 16 00-0136 EA 400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,722.20	499.49
26 28 16 00-0137 EA 600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,552.32	699.25
26 28 16 00-0138 General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0002)</small>		
26 28 16 00-0139 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0138)</small>		
26 28 16 00-0140 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	328.12	116.76
26 28 16 00-0141 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	431.17	134.24
26 28 16 00-0142 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	950.43	214.52
26 28 16 00-0143 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,011.26	357.06
26 28 16 00-0144 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,447.09	486.57
26 28 16 00-0145 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0138)</small>		
26 28 16 00-0146 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	309.71	109.24
26 28 16 00-0147 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	424.96	151.99
26 28 16 00-0148 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	631.52	174.86
26 28 16 00-0149 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,081.39	279.76
26 28 16 00-0150 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,230.35	466.30
26 28 16 00-0151 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,746.63	635.56
26 28 16 00-0152 NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0001)</small>		
26 28 16 00-0153 Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0152)</small> Note: With fuses, neutral bar, and hub if required.		
26 28 16 00-0154 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0153)</small>		
26 28 16 00-0155 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	490.46	113.39
26 28 16 00-0156 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	768.52	136.07
26 28 16 00-0157 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	957.41	158.26
26 28 16 00-0158 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,403.95	241.25
26 28 16 00-0159 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,063.42	386.00
26 28 16 00-0160 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,326.30	514.84

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0161 EA 800 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,934.84	579.01
26 28 16 00-0162 EA 1,200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,490.17	675.51
26 28 16 00-0163 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26		
<small>26 16 00-0153)</small>		
26 28 16 00-0164 EA 30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	832.48	151.12
26 28 16 00-0165 EA 60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	992.70	185.29
26 28 16 00-0166 EA 100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,395.73	212.79
26 28 16 00-0167 EA 200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,971.61	319.13
26 28 16 00-0168 EA 400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,245.04	522.17
26 28 16 00-0169 EA 600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,742.57	718.07
26 28 16 00-0170 EA 800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	11,323.07	826.83
26 28 16 00-0171 EA 1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	12,478.76	930.76
26 28 16 00-0172 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26		
<small>26 16 00-0153)</small>		
26 28 16 00-0173 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	634.66	178.52
26 28 16 00-0174 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	994.94	236.42
26 28 16 00-0175 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,192.39	259.59
26 28 16 00-0176 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,772.64	401.93
26 28 16 00-0177 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,780.84	670.21
26 28 16 00-0178 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	6,247.63	893.61
26 28 16 00-0179 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26		
<small>26 16 00-0153)</small>		
26 28 16 00-0180 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	955.05	211.63
26 28 16 00-0181 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,141.34	259.40
26 28 16 00-0182 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,515.00	297.80
26 28 16 00-0183 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,204.51	446.80
26 28 16 00-0184 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,587.03	731.10
26 28 16 00-0185 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	8,202.48	1,005.26
26 28 16 00-0186 EA 800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	11,541.34	1,158.02
26 28 16 00-0187 EA 1,200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	13,793.58	1,302.77
26 28 16 00-0188 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26		
<small>26 16 00-0153)</small>		
26 28 16 00-0189 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	692.17	178.52
26 28 16 00-0190 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	996.61	236.42
26 28 16 00-0191 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,273.24	259.59
26 28 16 00-0192 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,826.57	401.93
26 28 16 00-0193 EA 400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,830.31	670.21
26 28 16 00-0194 EA 600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	6,791.81	893.61
26 28 16 00-0195 EA 800 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	11,210.03	1,013.27



Electrical	26	
Low-Voltage Electrical Distribution	26 20	26
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0196 EA 1,200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	13,945.92	1,158.02
26 28 16 00-0197 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ^(26 28 16 00-0153)		
26 28 16 00-0198 EA 30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	988.04	211.82
26 28 16 00-0199 EA 60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,178.43	259.59
26 28 16 00-0200 EA 100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,597.45	297.71
26 28 16 00-0201 EA 200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,258.10	446.80
26 28 16 00-0202 EA 400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,780.79	731.00
26 28 16 00-0203 EA 600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	8,425.10	1,005.06
26 28 16 00-0204 EA 800 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	12,242.33	1,158.02
26 28 16 00-0205 EA 1,200 Amp, 600 Volt Class, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	14,717.58	1,302.77
26 28 16 00-0206 Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ^(26 28 16 00-0152)		
26 28 16 00-0207 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ^(26 28 16 00-0206)		
26 28 16 00-0208 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	463.44	99.30
26 28 16 00-0209 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	750.35	137.51
26 28 16 00-0210 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	980.59	157.68
26 28 16 00-0211 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,316.45	255.34
26 28 16 00-0212 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,894.15	425.96
26 28 16 00-0213 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,223.83	567.91
26 28 16 00-0214 EA 800 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	8,342.89	675.80
26 28 16 00-0215 EA 1,200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,982.76	772.30
26 28 16 00-0216 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ^(26 28 16 00-0206)		
26 28 16 00-0217 EA 30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	521.17	109.43
26 28 16 00-0218 EA 60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	849.66	153.14
26 28 16 00-0219 EA 100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,105.93	172.93
26 28 16 00-0220 EA 200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,457.12	268.09
26 28 16 00-0221 EA 400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,275.13	446.80
26 28 16 00-0222 EA 600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,635.47	595.70
26 28 16 00-0223 EA 800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	8,894.15	707.94
26 28 16 00-0224 EA 1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	11,703.70	804.15
26 28 16 00-0225 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ^(26 28 16 00-0206)		
26 28 16 00-0226 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	562.72	148.91
26 28 16 00-0227 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	887.81	206.23
26 28 16 00-0228 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,138.27	236.52
26 28 16 00-0229 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,571.74	383.02
26 28 16 00-0230 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,361.51	638.84
26 28 16 00-0231 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,872.85	851.63

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0232 EA 800 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,109.26	1,013.27
26 28 16 00-0233 EA 1,200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,012.87	1,158.02
26 28 16 00-0234 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0206)</small>		
26 28 16 00-0235 EA 30 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	612.04	164.06
26 28 16 00-0236 EA 60 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	968.89	229.77
26 28 16 00-0237 EA 100 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,231.57	259.40
26 28 16 00-0238 EA 200 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,667.61	402.12
26 28 16 00-0239 EA 400 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,572.81	670.11
26 28 16 00-0240 EA 600 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,253.93	893.51
26 28 16 00-0241 EA 800 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,711.48	1,061.52
26 28 16 00-0242 EA 1,200 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,800.42	1,206.27
26 28 16 00-0243 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0206)</small>		
26 28 16 00-0244 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	349.70	164.06
26 28 16 00-0245 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,002.83	229.77
26 28 16 00-0246 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,278.88	259.40
26 28 16 00-0247 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,725.19	402.12
26 28 16 00-0248 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,721.89	670.11
26 28 16 00-0249 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,231.15	893.51
26 28 16 00-0250 EA 800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,698.71	1,061.52
26 28 16 00-0251 EA 1,200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,783.06	1,206.27
26 28 16 00-0252 General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0152)</small>		
Note: With fuses, neutral bar, and hub if required.		
26 28 16 00-0253 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0252)</small>		
26 28 16 00-0254 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	307.58	98.63
26 28 16 00-0255 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	428.59	118.31
26 28 16 00-0256 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	559.08	137.61
26 28 16 00-0257 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,127.76	209.79
26 28 16 00-0258 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,712.84	335.64
26 28 16 00-0259 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,770.31	447.77
26 28 16 00-0260 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0252)</small>		
26 28 16 00-0261 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	421.61	155.47
26 28 16 00-0262 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	603.56	205.65
26 28 16 00-0263 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	734.69	225.62
26 28 16 00-0264 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,408.17	349.62
26 28 16 00-0265 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,208.43	582.68
26 28 16 00-0266 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,435.87	777.22



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0267 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0252)</small>		
26 28 16 00-0268 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	469.13	155.37
26 28 16 00-0269 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	651.29	205.65
26 28 16 00-0270 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	888.19	225.62
26 28 16 00-0271 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,507.29	349.62
26 28 16 00-0272 EA 400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,272.10	582.77
26 28 16 00-0273 EA 600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,932.60	777.22
26 28 16 00-0274 EA 800 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	8,418.51	880.48
26 28 16 00-0275 General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0152)</small>		
26 28 16 00-0276 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0275)</small>		
26 28 16 00-0277 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	276.86	86.37
26 28 16 00-0278 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	447.48	119.57
26 28 16 00-0279 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	473.33	137.13
26 28 16 00-0280 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,152.57	221.96
26 28 16 00-0281 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,782.74	370.37
26 28 16 00-0282 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,864.60	493.80
26 28 16 00-0283 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0275)</small>		
26 28 16 00-0284 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	431.89	129.51
26 28 16 00-0285 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	619.90	179.30
26 28 16 00-0286 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	892.93	205.65
26 28 16 00-0287 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,529.77	333.03
26 28 16 00-0288 NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0001)</small>		
26 28 16 00-0289 Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0288)</small>		
Note: With fuses and neutral bar (stainless steel).		
26 28 16 00-0290 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0289)</small>		
26 28 16 00-0291 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	1,249.75	96.51
26 28 16 00-0292 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	1,501.37	116.28
26 28 16 00-0293 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	3,036.97	135.87
26 28 16 00-0294 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	4,207.28	214.42
26 28 16 00-0295 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	8,526.83	332.74
26 28 16 00-0296 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	12,260.17	491.97
26 28 16 00-0297 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0289)</small>		
26 28 16 00-0298 EA 30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	1,582.07	107.22
26 28 16 00-0299 EA 60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	1,761.87	129.12
26 28 16 00-0300 EA 100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	3,284.59	150.93

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0301 EA 200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,648.51	238.36
26 28 16 00-0302 EA 400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,861.45	369.99
26 28 16 00-0303 EA 600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,710.16	546.59
26 28 16 00-0304 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0289)		
26 28 16 00-0305 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,415.50	151.70
26 28 16 00-0306 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,776.96	201.02
26 28 16 00-0307 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,348.76	223.40
26 28 16 00-0308 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,768.59	349.62
26 28 16 00-0309 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,270.24	574.37
26 28 16 00-0310 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,225.39	804.15
26 28 16 00-0311 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0289)		
26 28 16 00-0312 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,706.95	167.52
26 28 16 00-0313 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,955.02	223.40
26 28 16 00-0314 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,494.57	251.29
26 28 16 00-0315 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,950.61	382.92
26 28 16 00-0316 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,580.30	618.58
26 28 16 00-0317 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,635.77	893.51
26 28 16 00-0318 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0289)		
26 28 16 00-0319 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,684.39	151.70
26 28 16 00-0320 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,113.10	201.02
26 28 16 00-0321 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,021.39	223.40
26 28 16 00-0322 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,688.39	349.62
26 28 16 00-0323 EA 400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,080.51	574.37
26 28 16 00-0324 EA 600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	15,713.14	804.15
26 28 16 00-0325 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0289)		
26 28 16 00-0326 EA 30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,024.68	167.52
26 28 16 00-0327 EA 60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,315.32	223.40
26 28 16 00-0328 EA 100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,181.16	251.29
26 28 16 00-0329 EA 200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,878.09	382.92
26 28 16 00-0330 EA 400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,414.99	618.58
26 28 16 00-0331 EA 600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	16,157.43	893.51
26 28 16 00-0332 Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0288)		
26 28 16 00-0333 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0332)		
26 28 16 00-0334 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,200.13	96.51
26 28 16 00-0335 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,465.20	134.24



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0336 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,732.28	154.41
26 28 16 00-0337 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,799.45	246.65
26 28 16 00-0338 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,907.05	410.71
26 28 16 00-0339 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,885.01	559.52
26 28 16 00-0340 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0332)</small>		
26 28 16 00-0341 EA 30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,363.98	106.44
26 28 16 00-0342 EA 60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,668.62	150.54
26 28 16 00-0343 EA 100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,112.80	171.58
26 28 16 00-0344 EA 200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,314.63	268.09
26 28 16 00-0345 EA 400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,837.42	441.21
26 28 16 00-0346 EA 600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,253.60	617.61
26 28 16 00-0347 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0332)</small>		
26 28 16 00-0348 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,258.43	125.64
26 28 16 00-0349 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,527.27	174.86
26 28 16 00-0350 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,598.75	201.02
26 28 16 00-0351 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,066.81	321.64
26 28 16 00-0352 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,378.33	536.16
26 28 16 00-0353 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,516.82	731.10
26 28 16 00-0354 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0332)</small>		
26 28 16 00-0355 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,428.31	138.68
26 28 16 00-0356 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,759.90	196.19
26 28 16 00-0357 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,216.44	223.40
26 28 16 00-0358 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,477.67	349.62
26 28 16 00-0359 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,907.71	574.37
26 28 16 00-0360 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,956.56	804.15
26 28 16 00-0361 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0332)</small>		
26 28 16 00-0362 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,718.14	125.64
26 28 16 00-0363 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,066.47	174.86
26 28 16 00-0364 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,599.95	201.02
26 28 16 00-0365 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,021.10	321.64
26 28 16 00-0366 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0332)</small>		
26 28 16 00-0367 EA 30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,953.68	138.68
26 28 16 00-0368 EA 60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,354.37	196.19
26 28 16 00-0369 EA 100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,244.32	223.40

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0370 EA 200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,988.14	349.62
26 28 16 00-0371 Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0288)</small>		
26 28 16 00-0372 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0371)</small>		
26 28 16 00-0373 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,273.66	167.43
26 28 16 00-0374 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,600.15	223.40
26 28 16 00-0375 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,634.47	251.38
26 28 16 00-0376 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,046.92	383.12
26 28 16 00-0377 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0371)</small>		
26 28 16 00-0378 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,124.35	138.48
26 28 16 00-0379 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,445.06	196.38
26 28 16 00-0380 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,377.42	223.40
26 28 16 00-0381 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,962.20	349.82
26 28 16 00-0382 Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0288)</small>		
26 28 16 00-0383 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0382)</small>		
26 28 16 00-0384 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,593.58	167.43
26 28 16 00-0385 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,958.14	223.40
26 28 16 00-0386 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,311.48	251.38
26 28 16 00-0387 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0382)</small>		
26 28 16 00-0388 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,427.06	138.48
26 28 16 00-0389 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,784.02	196.38
26 28 16 00-0390 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,027.24	223.40
26 28 16 00-0391 NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches <small>(26 28 16 00-0001)</small>		
Note: Class 1, groups C and D, division 1 or 2, NEMA 7; Class 2, groups E, F and G, division 1 or 2, NEMA 9; or Class 3, division 1 Or 2, NEMA 9, hazardous locations as defined in NEC article 500.		
26 28 16 00-0392 Heavy Duty Fusible, NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches <small>(26 28 16 00-0391)</small>		
Note: With fuses and neutral bar.		
26 28 16 00-0393 EA 30 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,067.03	193.00
26 28 16 00-0394 EA 60 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,337.17	229.77
26 28 16 00-0395 EA 100 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,593.08	259.40
26 28 16 00-0396 EA 200 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	5,463.88	402.12
26 28 16 00-0397 Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0391)</small>		
26 28 16 00-0398 EA 60 Amp, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	1,626.32	229.77
26 28 16 00-0399 EA 100 Amp, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	1,900.79	259.40
26 28 16 00-0400 EA 200 Amp, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	3,474.92	402.12
26 28 16 00-0401 NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0001)</small>		
26 28 16 00-0402 Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0401)</small>		
Note: With fuses and neutral bar.		
26 28 16 00-0403 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0402)</small>		
26 28 16 00-0404 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	472.09	96.51



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0405 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	613.97	116.28
26 28 16 00-0406 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	831.87	136.07
26 28 16 00-0407 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,399.22	214.23
26 28 16 00-0408 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,953.53	332.93
26 28 16 00-0409 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,304.32	492.16
26 28 16 00-0410 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0402)</small>		
26 28 16 00-0411 EA 30 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	729.77	107.12
26 28 16 00-0412 EA 60 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	757.28	129.31
26 28 16 00-0413 EA 100 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,081.69	151.02
26 28 16 00-0414 EA 200 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,692.93	238.36
26 28 16 00-0415 EA 400 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,654.67	369.60
26 28 16 00-0416 EA 600 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	7,181.25	546.68
26 28 16 00-0417 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0402)</small>		
26 28 16 00-0418 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	660.70	151.51
26 28 16 00-0419 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	912.84	201.21
26 28 16 00-0420 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,232.89	223.40
26 28 16 00-0421 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,837.05	349.82
26 28 16 00-0422 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,576.99	574.18
26 28 16 00-0423 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,711.96	804.35
26 28 16 00-0424 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0402)</small>		
26 28 16 00-0425 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	871.01	167.43
26 28 16 00-0426 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	995.07	223.40
26 28 16 00-0427 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,446.67	251.38
26 28 16 00-0428 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,109.83	383.12
26 28 16 00-0429 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,374.44	618.58
26 28 16 00-0430 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	8,160.49	893.61
26 28 16 00-0431 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0402)</small>		
26 28 16 00-0432 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	703.35	151.51
26 28 16 00-0433 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	942.15	201.21
26 28 16 00-0434 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,324.87	223.40
26 28 16 00-0435 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,952.54	349.82
26 28 16 00-0436 EA 400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,886.20	574.18
26 28 16 00-0437 EA 600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,920.85	804.35
26 28 16 00-0438 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0402)</small>		
26 28 16 00-0439 EA 30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	920.46	167.43

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0440 EA 60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,126.99	223.40
26 28 16 00-0441 EA 100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,537.38	251.38
26 28 16 00-0442 EA 200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,282.97	383.12
26 28 16 00-0443 EA 400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,654.77	618.58
26 28 16 00-0444 EA 600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	8,391.35	893.61
26 28 16 00-0445 Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0401)</small>		
26 28 16 00-0446 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0445)</small>		
26 28 16 00-0447 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	492.85	139.45
26 28 16 00-0448 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	655.17	194.45
26 28 16 00-0449 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	862.81	223.40
26 28 16 00-0450 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,237.18	357.54
26 28 16 00-0451 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,687.95	595.90
26 28 16 00-0452 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,233.74	812.54
26 28 16 00-0453 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0445)</small>		
26 28 16 00-0454 EA 30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	549.09	153.92
26 28 16 00-0455 EA 60 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	728.49	218.09
26 28 16 00-0456 EA 100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	961.52	248.01
26 28 16 00-0457 EA 200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,344.25	388.42
26 28 16 00-0458 EA 400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,847.72	638.36
26 28 16 00-0459 EA 600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,677.61	893.61
26 28 16 00-0460 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0445)</small>		
26 28 16 00-0461 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	635.06	125.45
26 28 16 00-0462 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	837.73	174.67
26 28 16 00-0463 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,108.14	201.21
26 28 16 00-0464 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,589.72	321.83
26 28 16 00-0465 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,316.15	536.07
26 28 16 00-0466 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	5,206.65	731.00
26 28 16 00-0467 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0445)</small>		
26 28 16 00-0468 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	625.25	138.48
26 28 16 00-0469 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	907.60	196.38
26 28 16 00-0470 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,188.83	223.40
26 28 16 00-0471 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,577.38	349.82
26 28 16 00-0472 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,337.90	574.18
26 28 16 00-0473 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	6,184.38	804.35
26 28 16 00-0474 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0445)</small>		
26 28 16 00-0475 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	757.10	125.45



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0476 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	907.13	174.67
26 28 16 00-0477 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,392.47	201.21
26 28 16 00-0478 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,208.76	321.83
26 28 16 00-0479 EA 400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,955.75	410.13
26 28 16 00-0480 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0445)		
26 28 16 00-0481 EA 30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	788.50	138.48
26 28 16 00-0482 EA 60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	990.05	196.38
26 28 16 00-0483 EA 100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,489.77	223.40
26 28 16 00-0484 EA 200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,274.08	349.82
26 28 16 00-0485 EA 400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,232.30	540.41
26 28 16 00-0486 Double Throw Safety Switches (26 28 16 00-0001)		
26 28 16 00-0487 NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 00-0486)		
26 28 16 00-0488 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 00-0487)		
26 28 16 00-0489 EA 30 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	593.37	124.01
26 28 16 00-0490 EA 60 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	871.11	162.12
26 28 16 00-0491 EA 100 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,217.89	211.82
26 28 16 00-0492 EA 200 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,622.27	275.51
26 28 16 00-0493 EA 400 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,832.80	344.51
26 28 16 00-0494 EA 600 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	6,953.97	552.47
26 28 16 00-0495 EA 800 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	8,012.63	772.01
26 28 16 00-0496 EA 1,000 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	11,739.65	868.52
26 28 16 00-0497 EA 1,200 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	13,817.82	965.01
26 28 16 00-0498 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 00-0487)		
26 28 16 00-0499 EA 30 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	753.14	173.70
26 28 16 00-0500 EA 60 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,047.28	226.78
26 28 16 00-0501 EA 100 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,564.94	296.74
26 28 16 00-0502 EA 200 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,285.32	386.00
26 28 16 00-0503 EA 400 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,283.49	482.51
26 28 16 00-0504 EA 600 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	7,398.13	772.01
26 28 16 00-0505 EA 800 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	8,651.10	868.52
26 28 16 00-0506 EA 1,000 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	12,302.74	965.01
26 28 16 00-0507 EA 1,200 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	14,565.09	1,061.52
26 28 16 00-0508 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 00-0487)		
26 28 16 00-0509 EA 30 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	997.20	217.13
26 28 16 00-0510 EA 60 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,442.54	283.72
26 28 16 00-0511 EA 100 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,526.21	370.56
26 28 16 00-0512 EA 200 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,453.90	481.55
26 28 16 00-0513 EA 400 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	6,867.20	603.14
26 28 16 00-0514 EA 600 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	8,740.18	966.47
26 28 16 00-0515 EA 800 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	11,020.62	1,061.52
26 28 16 00-0516 EA 1,000 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	14,583.37	1,109.77
26 28 16 00-0517 EA 1,200 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	16,335.69	1,158.02
26 28 16 00-0518 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 00-0487)		
26 28 16 00-0519 EA 60 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	999.71	162.12
26 28 16 00-0520 EA 100 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,495.10	211.82
26 28 16 00-0521 EA 200 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,194.58	275.51
26 28 16 00-0522 EA 400 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,097.98	344.51
26 28 16 00-0523 EA 600 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	7,546.66	552.47
26 28 16 00-0524 EA 800 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	8,659.52	772.01
26 28 16 00-0525 EA 1,000 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	12,739.92	868.52
26 28 16 00-0526 EA 1,200 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	15,006.60	965.01



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 28 16 00-0527	600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0487)</small>		
26 28 16 00-0528	EA 60 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,128.89	226.78
26 28 16 00-0529	EA 100 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,664.47	296.74
26 28 16 00-0530	EA 200 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,414.62	386.00
26 28 16 00-0531	EA 400 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,373.75	482.51
26 28 16 00-0532	EA 600 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	7,987.03	772.01
26 28 16 00-0533	EA 800 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	9,342.51	868.52
26 28 16 00-0534	EA 1,000 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	12,796.67	965.01
26 28 16 00-0535	EA 1,200 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	15,809.30	1,061.52
26 28 16 00-0536	600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0487)</small>		
26 28 16 00-0537	EA 60 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,523.08	283.72
26 28 16 00-0538	EA 100 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,642.53	370.56
26 28 16 00-0539	EA 200 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,694.53	481.55
26 28 16 00-0540	EA 400 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	7,379.78	603.14
26 28 16 00-0541	EA 600 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	9,313.88	966.47
26 28 16 00-0542	EA 800 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	11,910.38	1,061.52
26 28 16 00-0543	EA 1,000 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	15,819.76	1,109.77
26 28 16 00-0544	EA 1,200 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	17,737.65	1,158.02
26 28 16 00-0545	NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0486)</small>		
26 28 16 00-0546	240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0545)</small>		
26 28 16 00-0547	EA 100 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,509.38	211.82
26 28 16 00-0548	EA 200 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,411.40	275.51
26 28 16 00-0549	EA 400 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	11,040.08	344.51
26 28 16 00-0550	EA 600 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	19,004.63	552.47
26 28 16 00-0551	240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0545)</small>		
26 28 16 00-0552	EA 100 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,982.93	296.26
26 28 16 00-0553	EA 200 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,179.16	385.52
26 28 16 00-0554	EA 400 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	11,413.38	482.51
26 28 16 00-0555	EA 600 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	12,463.17	773.46
26 28 16 00-0556	240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0545)</small>		
26 28 16 00-0557	EA 30 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,894.86	217.23
26 28 16 00-0558	EA 60 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,353.14	283.52
26 28 16 00-0559	EA 100 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,293.00	370.47
26 28 16 00-0560	EA 200 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	4,749.48	481.74
26 28 16 00-0561	EA 400 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	8,012.77	603.14
26 28 16 00-0562	EA 600 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	9,409.87	966.56
26 28 16 00-0563	600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0545)</small>		
26 28 16 00-0564	EA 60 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,275.93	162.12
26 28 16 00-0565	EA 100 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,933.68	211.82
26 28 16 00-0566	EA 200 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,493.80	275.51
26 28 16 00-0567	EA 400 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	6,678.26	344.51
26 28 16 00-0568	EA 600 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	8,946.84	552.47
26 28 16 00-0569	600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0545)</small>		
26 28 16 00-0570	EA 60 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,455.83	226.78
26 28 16 00-0571	EA 100 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,182.71	296.26
26 28 16 00-0572	EA 200 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,868.71	385.52
26 28 16 00-0573	EA 400 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	7,269.27	482.51
26 28 16 00-0574	EA 600 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	9,799.41	773.46
26 28 16 00-0575	600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0545)</small>		
26 28 16 00-0576	EA 60 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,371.78	283.52
26 28 16 00-0577	EA 100 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,301.55	370.47
26 28 16 00-0578	EA 200 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	4,868.18	481.74
26 28 16 00-0579	EA 400 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	7,998.75	603.14
26 28 16 00-0580	EA 600 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	9,487.12	966.56



		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0581		NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0486)</small>		
26 28 16 00-0582		240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0581)</small>		
26 28 16 00-0583	EA	30 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	1,504.48	124.10
26 28 16 00-0584	EA	60 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	1,709.28	162.02
26 28 16 00-0585	EA	100 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	1,940.90	211.73
26 28 16 00-0586	EA	200 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,664.49	275.32
26 28 16 00-0587	EA	400 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,937.79	344.61
26 28 16 00-0588	EA	600 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,252.80	552.28
26 28 16 00-0589		240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0581)</small>		
26 28 16 00-0590	EA	30 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	1,736.33	173.70
26 28 16 00-0591	EA	60 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,058.84	226.78
26 28 16 00-0592	EA	100 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,449.80	296.26
26 28 16 00-0593	EA	200 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,408.91	385.52
26 28 16 00-0594	EA	400 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,160.64	482.51
26 28 16 00-0595	EA	600 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	8,173.18	773.46
26 28 16 00-0596		240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0581)</small>		
26 28 16 00-0597	EA	30 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,583.94	217.23
26 28 16 00-0598	EA	60 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,030.25	283.52
26 28 16 00-0599	EA	100 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,150.20	370.47
26 28 16 00-0600	EA	200 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,633.00	481.74
26 28 16 00-0601	EA	400 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	10,358.29	603.14
26 28 16 00-0602	EA	600 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	12,921.65	966.56
26 28 16 00-0603		600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0581)</small>		
26 28 16 00-0604	EA	60 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,242.63	162.02
26 28 16 00-0605	EA	100 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,368.14	211.73
26 28 16 00-0606	EA	200 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,459.72	275.32
26 28 16 00-0607	EA	400 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,423.06	344.61
26 28 16 00-0608	EA	600 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	8,646.16	552.28
26 28 16 00-0609		600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0581)</small>		
26 28 16 00-0610	EA	60 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,473.21	226.78
26 28 16 00-0611	EA	100 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,639.95	296.26
26 28 16 00-0612	EA	200 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,885.31	385.52
26 28 16 00-0613	EA	400 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,000.39	482.51
26 28 16 00-0614	EA	600 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	9,482.58	773.46
26 28 16 00-0615		600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0581)</small>		
26 28 16 00-0616	EA	60 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,060.63	283.52
26 28 16 00-0617	EA	100 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,374.34	370.47
26 28 16 00-0618	EA	200 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,765.11	481.74
26 28 16 00-0619	EA	400 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	10,642.65	603.14
26 28 16 00-0620	EA	600 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	13,298.57	966.56
26 28 16 00-0621		Removal And Reinstallation Of Disconnect Switches <small>(26 28 16 00-0001)</small> Note: Includes storage and cleaning.		
26 28 16 00-0622	EA	Removal And Reinstallation Of Up To 100 Amp Safety Disconnect Switch.....	482.51	
26 28 16 00-0623	EA	Removal And Reinstallation Of >100 To 200 Amp Safety Disconnect Switch	627.29	
26 28 16 00-0624	EA	Removal And Reinstallation Of >200 To 300 Amp Safety Disconnect Switch	699.69	
26 28 16 00-0625	EA	Removal And Reinstallation Of >300 To 400 Amp Safety Disconnect Switch	820.32	
26 28 16 00-0626		Bolted Contact Switches <small>(26 28 16)</small> Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the switch.		
26 28 16 00-0627		Electrical Trip, Bolted Contact Switches <small>(26 28 16 00-0626)</small>		
26 28 16 00-0628		Top Feed, Electrical Trip, Bolted Contact Switches <small>(26 28 16 00-0627)</small>		
26 28 16 00-0629	EA	800 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833T120480).....	6,152.13	965.01
26 28 16 00-0630	EA	1,200 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233T120480).....	6,719.29	1,158.02
26 28 16 00-0631	EA	1,600 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633T120480).....	7,359.59	1,351.03

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 28 Low-Voltage Circuit Protective Devices



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0632	EA		2,000 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033T120480).....	7,832.70	1,544.03
26 28 16 00-0633	EA		2,500 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533T120480).....	8,842.26	1,737.03
26 28 16 00-0634	EA		3,000 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033T120480).....	10,959.62	1,930.03
26 28 16 00-0635	EA		4,000 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033T120480).....	14,623.00	2,316.04
26 28 16 00-0636			Bottom Feed, Electrical Trip, Bolted Contact Switches (26 28 16 00-0627)		
26 28 16 00-0637	EA		800 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833B120480).....	6,490.04	965.01
26 28 16 00-0638	EA		1,200 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233B120480).....	7,123.39	1,158.02
26 28 16 00-0639	EA		1,600 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633B120480).....	7,760.21	1,351.03
26 28 16 00-0640	EA		2,000 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033B120480).....	8,407.49	1,544.03
26 28 16 00-0641	EA		2,500 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533B120480).....	9,462.34	1,737.03
26 28 16 00-0642	EA		3,000 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033B120480).....	12,123.13	1,930.03
26 28 16 00-0643	EA		4,000 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033B120480).....	15,835.29	2,316.04
26 28 16 00-0644			Manually Operated, Bolted Contact Switches (26 28 16 00-0626)		
26 28 16 00-0645			Top Feed, Manually Operated, Bolted Contact Switches (26 28 16 00-0644)		
26 28 16 00-0646	EA		800 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833T480).....	4,633.29	965.01
26 28 16 00-0647	EA		1,200 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233T480).....	5,218.56	1,158.02
26 28 16 00-0648	EA		1,600 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633T480).....	5,832.39	1,351.03
26 28 16 00-0649	EA		2,000 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033T480).....	6,442.06	1,544.03
26 28 16 00-0650	EA		2,500 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533T480).....	7,086.54	1,737.03
26 28 16 00-0651	EA		3,000 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033T480).....	9,203.89	1,930.03
26 28 16 00-0652	EA		4,000 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033T480).....	12,825.47	2,316.04
26 28 16 00-0653			Bottom Feed, Manually Operated, Bolted Contact Switches (26 28 16 00-0644)		
26 28 16 00-0654	EA		800 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833B480).....	4,856.94	965.01
26 28 16 00-0655	EA		1,200 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233B480).....	5,556.47	1,158.02
26 28 16 00-0656	EA		1,600 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633B480).....	6,159.85	1,351.03
26 28 16 00-0657	EA		2,000 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033B480).....	6,874.72	1,544.03
26 28 16 00-0658	EA		2,500 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533B480).....	7,629.98	1,737.03
26 28 16 00-0659	EA		3,000 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033B480).....	10,280.32	1,930.03
26 28 16 00-0660	EA		4,000 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033B480).....	13,954.15	2,316.04
26 29 Low-Voltage Controllers (26 20)					
26 29 13 Enclosed Controllers (26 29)					
26 29 13 13 Across-The-Line Motor Controllers (26 29 13)					
26 29 13 13-0001 Manual Motor Starters (26 29 13 13)					
26 29 13 13-0002 Fractional HP Manual Motor Starters (26 29 13 13-0001)					
26 29 13 13-0003	EA		NEMA 1, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG1).....	198.62	48.32
			<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-2.83	
			<i>For Oversized Enclosure, Add</i>	28.46	
			<i>For Pilot Light, Add</i>	41.74	
26 29 13 13-0004	EA		NEMA 1, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG2).....	260.34	62.82
			<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-2.83	
			<i>For Oversized Enclosure, Add</i>	28.46	
			<i>For Pilot Light, Add</i>	41.74	
26 29 13 13-0005	EA		NEMA 1, 1 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG3).....	227.07	48.32
			<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-2.83	
			<i>For Oversized Enclosure, Add</i>	28.46	
			<i>For Pilot Light, Add</i>	41.74	
26 29 13 13-0006	EA		NEMA 1, 2 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG4).....	288.79	62.82
			<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-2.83	
			<i>For Oversized Enclosure, Add</i>	28.46	
			<i>For Pilot Light, Add</i>	41.74	
26 29 13 13-0007	EA		NEMA 1, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG5).....	210.95	48.32
			<i>For Oversized Enclosure, Add</i>	28.46	
26 29 13 13-0008	EA		NEMA 1, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG6).....	276.46	62.82
			<i>For Oversized Enclosure, Add</i>	28.46	
26 29 13 13-0009	EA		NEMA 4, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW1).....	439.90	57.98
			<i>For Pilot Light, Add</i>	109.08	
26 29 13 13-0010	EA		NEMA 4, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW2).....	504.46	72.48
			<i>For Pilot Light, Add</i>	109.08	
26 29 13 13-0011	EA		NEMA 3R, 7 And 9, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR1).....	468.36	57.98
26 29 13 13-0012	EA		NEMA 3R, 7 And 9, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR2).....	530.07	72.48



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Controllers	26 29	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0013 Non Reversing Manual Motor Starters <small>(26 29 13 13-0001)</small>		
26 29 13 13-0014 EA NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG1)	157.05	48.32
Note: NEMA 1 or flush cover plate installation.		
For Oversize Enclosure, Add	13.73	
For Pilot Light, Add	65.90	
26 29 13 13-0015 EA NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG2)	262.00	62.82
Note: NEMA 1 or flush cover plate installation.		
For Oversize Enclosure, Add	13.73	
For Pilot Light, Add	65.90	
26 29 13 13-0016 EA NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG5)	177.69	53.15
Note: NEMA 1 or flush cover plate installation.		
For Oversize Enclosure, Add	13.73	
For Pilot Light, Add	65.90	
26 29 13 13-0017 EA NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG6)	283.56	67.65
Note: NEMA 1 or flush cover plate installation.		
For Oversize Enclosure, Add	13.73	
For Pilot Light, Add	65.90	
26 29 13 13-0018 EA NEMA 1, Non Reversing, 2 Pole, Key Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG3)	183.59	48.32
Note: NEMA 1 or flush cover plate installation.		
For Oversize Enclosure, Add	13.73	
For Pilot Light, Add	65.90	
26 29 13 13-0019 EA NEMA 1, Non Reversing, 3 Pole, Key Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG4)	289.46	62.82
Note: NEMA 1 or flush cover plate installation.		
For Oversize Enclosure, Add	13.73	
For Pilot Light, Add	65.90	
26 29 13 13-0020 EA NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW1)	403.36	57.98
For Pilot Light, Add	104.34	
26 29 13 13-0021 EA NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW2)	498.24	72.48
For Pilot Light, Add	104.34	
26 29 13 13-0022 EA NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW5)	424.92	62.82
For Pilot Light, Add	104.34	
26 29 13 13-0023 EA NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW6)	517.07	77.31
For Pilot Light, Add	104.34	
26 29 13 13-0024 EA NEMA 3R, 7 And 9, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR1)	428.99	57.98
26 29 13 13-0025 EA NEMA 3R, 7 And 9, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR2)	531.19	72.48
26 29 13 13-0026 EA Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO1)	115.24	33.82
For Pilot Light, Add	65.90	
26 29 13 13-0027 EA Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO2)	220.20	48.32
For Pilot Light, Add	65.90	
26 29 13 13-0028 EA Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO5)	135.89	38.66
For Pilot Light, Add	65.90	
26 29 13 13-0029 EA Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO6)	240.84	53.15
For Pilot Light, Add	65.90	
26 29 13 13-0030 Reversing Manual Motor Starters <small>(26 29 13 13-0001)</small>		
26 29 13 13-0031 EA NEMA 1, Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG11)	436.63	86.97
For Pilot Light, Add	106.17	
26 29 13 13-0032 EA NEMA 1, Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG22)	635.56	115.97
For Pilot Light, Add	106.17	
26 29 13 13-0033 Two Speed Manual Motor Starters <small>(26 29 13 13-0001)</small>		
26 29 13 13-0034 EA NEMA 1, Two Speed, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG11)	436.63	86.97
26 29 13 13-0035 EA NEMA 1, Two Speed, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG22)	635.56	115.97
26 29 13 13-0036 Non-Reversing Integral HP Manual Motor Starters <small>(26 29 13 13-0001)</small>		
26 29 13 13-0037 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG1)	407.19	57.98
26 29 13 13-0038 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG1)	407.19	57.98

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0039 EA NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW1).....	859.04	67.65
26 29 13 13-0040 EA NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW1).....	859.04	67.65
26 29 13 13-0041 EA NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR1).....	1,128.42	67.65
26 29 13 13-0042 EA Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA1).....	520.41	67.65
26 29 13 13-0043 EA Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO1).....	349.73	43.49
26 29 13 13-0044 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG1).....	485.14	62.82
26 29 13 13-0045 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG1).....	485.14	62.82
26 29 13 13-0046 EA NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW11).....	1,030.90	72.48
26 29 13 13-0047 EA NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW1).....	1,030.90	72.48
26 29 13 13-0048 EA NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR1).....	1,321.15	72.48
26 29 13 13-0049 EA Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA1).....	598.37	72.48
26 29 13 13-0050 EA Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO1).....	427.70	48.32
26 29 13 13-0051 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG2).....	641.83	67.65
26 29 13 13-0052 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG2).....	641.83	67.65
26 29 13 13-0053 EA NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW12).....	1,228.39	77.31
26 29 13 13-0054 EA NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW2).....	1,228.39	77.31
26 29 13 13-0055 EA NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR2).....	1,506.31	77.31
26 29 13 13-0056 EA Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA2).....	757.92	77.31
26 29 13 13-0057 EA Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO2).....	587.22	53.15
26 29 13 13-0058 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG2).....	504.00	72.48
26 29 13 13-0059 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG2).....	504.00	72.48
26 29 13 13-0060 EA NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW12).....	955.87	82.14
26 29 13 13-0061 EA NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW2).....	955.87	82.14
26 29 13 13-0062 EA NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR2).....	1,232.84	82.14
26 29 13 13-0063 EA Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA2).....	618.19	82.14
26 29 13 13-0064 EA Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO2).....	449.41	57.98
26 29 13 13-0065 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG3).....	581.97	77.31
26 29 13 13-0066 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG3).....	581.97	77.31
26 29 13 13-0067 EA NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW13).....	1,127.73	86.97
26 29 13 13-0068 EA NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW3).....	1,127.73	86.97
26 29 13 13-0069 EA NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR3).....	1,424.62	86.97
26 29 13 13-0070 EA Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA3).....	695.20	86.97
26 29 13 13-0071 EA Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO3).....	524.51	62.82
26 29 13 13-0072 Reversing Integral HP Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0073 EA NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBG1).....	1,197.51	101.47
26 29 13 13-0074 EA NEMA 1, Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511TBG1).....	1,197.51	101.47
26 29 13 13-0075 EA Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBO1).....	1,058.89	72.48
26 29 13 13-0076 EA NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCG1).....	1,418.87	111.13
26 29 13 13-0077 EA Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCO1).....	1,280.27	82.14
26 29 13 13-0078 Two Speed Integral HP Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0079 EA NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBG1).....	1,197.51	101.47



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0080 EA Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBO1)	1,058.89	72.48
26 29 13 13-0081 EA NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCG1)	1,418.87	111.13
26 29 13 13-0082 EA Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCO1)	1,280.27	82.14
26 29 13 13-0083 Magnetic Motor Starters <small>(26 29 13 13)</small>		
26 29 13 13-0084 Non Reversing, Magnetic Contactors <small>(26 29 13 13-0083)</small>		
26 29 13 13-0085 Open Enclosure, Non Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small>		
26 29 13 13-0086 EA Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO11)	465.51	96.64
<i>For Factory Installed Accessory, Deduct</i>	<i>-193.28</i>	
26 29 13 13-0087 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO12)	524.68	106.30
<i>For Factory Installed Accessory, Deduct</i>	<i>-212.61</i>	
26 29 13 13-0088 EA Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO5)	505.35	96.64
<i>For Factory Installed Accessory, Deduct</i>	<i>-193.28</i>	
26 29 13 13-0089 EA Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO1)	565.47	106.30
<i>For Factory Installed Accessory, Deduct</i>	<i>-212.61</i>	
26 29 13 13-0090 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO2)	624.62	115.97
<i>For Factory Installed Accessory, Deduct</i>	<i>-231.93</i>	
26 29 13 13-0091 EA Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO3)	789.80	144.95
<i>For Factory Installed Accessory, Deduct</i>	<i>-289.92</i>	
26 29 13 13-0092 EA Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO4)	996.70	173.95
<i>For Factory Installed Accessory, Deduct</i>	<i>-347.90</i>	
26 29 13 13-0093 EA Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO5)	591.08	106.30
<i>For Factory Installed Accessory, Deduct</i>	<i>-212.61</i>	
26 29 13 13-0094 EA Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO1)	650.23	115.97
<i>For Factory Installed Accessory, Deduct</i>	<i>-231.93</i>	
26 29 13 13-0095 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO2)	711.30	125.63
<i>For Factory Installed Accessory, Deduct</i>	<i>-251.26</i>	
26 29 13 13-0096 EA Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO3)	906.41	169.11
<i>For Factory Installed Accessory, Deduct</i>	<i>-338.24</i>	
26 29 13 13-0097 EA Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO4)	1,112.37	198.11
<i>For Factory Installed Accessory, Deduct</i>	<i>-396.22</i>	
26 29 13 13-0098 EA Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO1)	1,016.37	115.97
<i>For Factory Installed Accessory, Deduct</i>	<i>-231.93</i>	
26 29 13 13-0099 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO2)	1,126.53	144.95
<i>For Factory Installed Accessory, Deduct</i>	<i>-289.92</i>	
26 29 13 13-0100 EA Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO3)	1,466.93	193.28
<i>For Factory Installed Accessory, Deduct</i>	<i>-386.55</i>	
26 29 13 13-0101 EA Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO1)	1,532.50	144.95
<i>For Factory Installed Accessory, Deduct</i>	<i>-289.92</i>	
26 29 13 13-0102 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO2)	1,738.22	193.28
<i>For Factory Installed Accessory, Deduct</i>	<i>-386.55</i>	
26 29 13 13-0103 EA Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO3)	2,212.37	241.60
<i>For Factory Installed Accessory, Deduct</i>	<i>-483.19</i>	
26 29 13 13-0104 EA Size 3, 3 Phase, 5 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO4)	3,174.09	289.92
<i>For Factory Installed Accessory, Deduct</i>	<i>-579.84</i>	
26 29 13 13-0105 EA Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO1)	3,482.46	241.60
<i>For Factory Installed Accessory, Deduct</i>	<i>-483.19</i>	
26 29 13 13-0106 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO2)	3,822.89	289.92
<i>For Factory Installed Accessory, Deduct</i>	<i>-579.84</i>	
26 29 13 13-0107 EA Size 4, 3 Phase, 4 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO3)	5,188.66	338.24
<i>For Factory Installed Accessory, Deduct</i>	<i>-676.47</i>	
26 29 13 13-0108 EA Size 5, 1 Phase, 2 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO1)	7,079.22	289.92
<i>For Factory Installed Accessory, Deduct</i>	<i>-579.84</i>	
26 29 13 13-0109 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO2)	7,840.66	386.55
<i>For Factory Installed Accessory, Deduct</i>	<i>-773.11</i>	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0110	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHO2).....	20,451.95	579.84
			<i>For Factory Installed Accessory, Deduct</i>	-1,159.66	
26 29 13 13-0111	EA		Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJO2).....	29,273.63	869.75
			<i>For Factory Installed Accessory, Deduct</i>	-1,739.50	
26 29 13 13-0112			NEMA 1, Non Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small>		
26 29 13 13-0113	EA		Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAG11).....	494.91	96.64
			<i>For Factory Installed Accessory, Deduct</i>	-193.28	
26 29 13 13-0114	EA		Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG12).....	554.08	106.30
			<i>For Factory Installed Accessory, Deduct</i>	-212.61	
26 29 13 13-0115	EA		Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG5).....	534.75	96.64
			<i>For Factory Installed Accessory, Deduct</i>	-193.28	
26 29 13 13-0116	EA		Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG1).....	595.82	106.30
			<i>For Factory Installed Accessory, Deduct</i>	-212.61	
26 29 13 13-0117	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG2).....	654.98	115.97
			<i>For Factory Installed Accessory, Deduct</i>	-231.93	
26 29 13 13-0118	EA		Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG3).....	822.05	144.95
			<i>For Factory Installed Accessory, Deduct</i>	-289.92	
26 29 13 13-0119	EA		Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG4).....	1,029.90	173.95
			<i>For Factory Installed Accessory, Deduct</i>	-347.90	
26 29 13 13-0120	EA		Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG5).....	622.38	106.30
			<i>For Factory Installed Accessory, Deduct</i>	-212.61	
26 29 13 13-0121	EA		Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG1).....	683.43	115.97
			<i>For Factory Installed Accessory, Deduct</i>	-231.93	
26 29 13 13-0122	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG2).....	742.60	125.63
			<i>For Factory Installed Accessory, Deduct</i>	-251.26	
26 29 13 13-0123	EA		Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG3).....	938.66	169.11
			<i>For Factory Installed Accessory, Deduct</i>	-338.24	
26 29 13 13-0124	EA		Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG4).....	1,143.67	198.11
			<i>For Factory Installed Accessory, Deduct</i>	-396.22	
26 29 13 13-0125	EA		Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG1).....	1,156.75	115.97
			<i>For Factory Installed Accessory, Deduct</i>	-231.93	
26 29 13 13-0126	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG2).....	1,267.86	144.95
			<i>For Factory Installed Accessory, Deduct</i>	-289.92	
26 29 13 13-0127	EA		Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG3).....	1,607.32	193.28
			<i>For Factory Installed Accessory, Deduct</i>	-386.55	
26 29 13 13-0128	EA		Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG1).....	1,808.53	144.95
			<i>For Factory Installed Accessory, Deduct</i>	-289.92	
26 29 13 13-0129	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG2).....	2,013.29	193.28
			<i>For Factory Installed Accessory, Deduct</i>	-386.55	
26 29 13 13-0130	EA		Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG3).....	2,488.40	241.60
			<i>For Factory Installed Accessory, Deduct</i>	-483.19	
26 29 13 13-0131	EA		Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG1).....	4,054.43	241.60
			<i>For Factory Installed Accessory, Deduct</i>	-483.19	
26 29 13 13-0132	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG2).....	4,394.86	289.92
			<i>For Factory Installed Accessory, Deduct</i>	-579.84	
26 29 13 13-0133	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGG2).....	8,883.10	386.55
			<i>For Factory Installed Accessory, Deduct</i>	-773.11	
26 29 13 13-0134	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHG2).....	25,036.23	579.84
			<i>For Factory Installed Accessory, Deduct</i>	-1,159.66	
26 29 13 13-0135	EA		Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJO2).....	33,871.19	869.75
			<i>For Factory Installed Accessory, Deduct</i>	-1,739.50	
26 29 13 13-0136			NEMA 12, Non Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small>		
26 29 13 13-0137	EA		Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA1).....	758.02	106.30
			<i>For Factory Installed Accessory, Deduct</i>	-212.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0138 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA2)	817.18	115.97
<i>For Factory Installed Accessory, Deduct</i>	-231.93	
26 29 13 13-0139 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCA2)	904.80	125.63
<i>For Factory Installed Accessory, Deduct</i>	-251.26	
26 29 13 13-0140 EA Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA1)	1,452.70	115.97
<i>For Factory Installed Accessory, Deduct</i>	-231.93	
26 29 13 13-0141 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA2)	1,564.75	144.95
<i>For Factory Installed Accessory, Deduct</i>	-289.92	
26 29 13 13-0142 EA Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA1)	2,159.49	144.95
<i>For Factory Installed Accessory, Deduct</i>	-289.92	
26 29 13 13-0143 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA2)	2,363.30	193.28
<i>For Factory Installed Accessory, Deduct</i>	-386.55	
26 29 13 13-0144 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFA2)	5,556.81	289.92
<i>For Factory Installed Accessory, Deduct</i>	-579.84	
26 29 13 13-0145 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGA2)	11,856.76	386.55
<i>For Factory Installed Accessory, Deduct</i>	-773.11	
26 29 13 13-0146 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHA2)	28,682.41	579.84
<i>For Factory Installed Accessory, Deduct</i>	-1,159.66	
26 29 13 13-0147 NEMA 4/4X, Non Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small>		
<i>Note: Brushed stainless steel enclosure.</i>		
26 29 13 13-0148 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBW12)	1,128.30	115.97
<i>For Factory Installed Accessory, Deduct</i>	-231.93	
26 29 13 13-0149 EA Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW11)	1,170.03	115.97
<i>For Factory Installed Accessory, Deduct</i>	-231.93	
26 29 13 13-0150 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW12)	1,229.20	125.63
<i>For Factory Installed Accessory, Deduct</i>	-251.26	
26 29 13 13-0151 EA Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW13)	1,425.26	169.11
<i>For Factory Installed Accessory, Deduct</i>	-338.24	
26 29 13 13-0152 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDW12)	2,241.06	144.95
<i>For Factory Installed Accessory, Deduct</i>	-289.92	
26 29 13 13-0153 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEW12)	3,390.57	193.28
<i>For Factory Installed Accessory, Deduct</i>	-386.55	
26 29 13 13-0154 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFW12)	6,746.28	289.92
<i>For Factory Installed Accessory, Deduct</i>	-579.84	
26 29 13 13-0155 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGW12)	11,856.76	386.55
<i>For Factory Installed Accessory, Deduct</i>	-773.11	
26 29 13 13-0156 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHW2)	31,789.82	579.84
<i>For Factory Installed Accessory, Deduct</i>	-1,159.66	
26 29 13 13-0157 NEMA 7/9, Non Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small>		
<i>Note: Bolted cast iron enclosure.</i>		
26 29 13 13-0158 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 7/9 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBT2)	2,272.71	154.63
<i>For Factory Installed Accessory, Deduct</i>	-309.24	
26 29 13 13-0159 Non Reversing, Magnetic Starters <small>(26 29 13 13-0083)</small>		
26 29 13 13-0160 Open Enclosure, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
26 29 13 13-0161 EA Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO11)	559.42	96.64
<i>For Factory Installed Accessory, Deduct</i>	-193.28	
26 29 13 13-0162 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO12)	578.75	106.30
<i>For Factory Installed Accessory, Deduct</i>	-212.61	
26 29 13 13-0163 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO1)	625.22	106.30
<i>For Factory Installed Accessory, Deduct</i>	-212.61	
26 29 13 13-0164 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO2)	691.97	115.97
<i>For Factory Installed Accessory, Deduct</i>	-231.93	
26 29 13 13-0165 EA Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO4)	1,115.27	173.95
<i>For Factory Installed Accessory, Deduct</i>	-347.90	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0166 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO1).....	712.84	115.97
<i>For Factory Installed Accessory, Deduct</i>	-231.93	
26 29 13 13-0167 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO3).....	839.35	125.63
<i>For Factory Installed Accessory, Deduct</i>	-251.26	
26 29 13 13-0168 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO2).....	879.19	125.63
<i>For Factory Installed Accessory, Deduct</i>	-251.26	
26 29 13 13-0169 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDO6).....	1,102.69	115.97
<i>For Factory Installed Accessory, Deduct</i>	-231.93	
26 29 13 13-0170 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDO1).....	1,248.89	144.95
<i>For Factory Installed Accessory, Deduct</i>	-289.92	
26 29 13 13-0171 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEO1).....	1,940.25	193.28
<i>For Factory Installed Accessory, Deduct</i>	-386.55	
26 29 13 13-0172 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFO1).....	4,134.01	289.92
<i>For Factory Installed Accessory, Deduct</i>	-579.84	
26 29 13 13-0173 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGO1).....	9,454.12	386.55
<i>For Factory Installed Accessory, Deduct</i>	-773.11	
26 29 13 13-0174 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SHO2).....	21,796.03	579.84
<i>For Factory Installed Accessory, Deduct</i>	-1,159.66	
26 29 13 13-0175 EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SJO2).....	31,390.77	869.75
<i>For Factory Installed Accessory, Deduct</i>	-1,739.50	
26 29 13 13-0176 NEMA 1, Non Reversing, Magnetic Starters (26 29 13 13-0159)		
26 29 13 13-0177 EA Size 00, 1 Phase, 2 Pole, .34 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG1).....	590.72	96.64
<i>For Factory Installed Accessory, Deduct</i>	-193.28	
26 29 13 13-0178 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG12).....	610.05	106.30
<i>For Factory Installed Accessory, Deduct</i>	-212.61	
26 29 13 13-0179 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG1).....	656.53	106.30
<i>For Factory Installed Accessory, Deduct</i>	-212.61	
26 29 13 13-0180 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG2).....	723.27	115.97
<i>For Factory Installed Accessory, Deduct</i>	-231.93	
26 29 13 13-0181 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG1).....	743.19	115.97
<i>For Factory Installed Accessory, Deduct</i>	-231.93	
26 29 13 13-0182 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG3).....	810.90	125.63
<i>For Factory Installed Accessory, Deduct</i>	-251.26	
26 29 13 13-0183 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG2).....	911.44	125.63
<i>For Factory Installed Accessory, Deduct</i>	-251.26	
26 29 13 13-0184 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDG6).....	1,244.02	115.97
<i>For Factory Installed Accessory, Deduct</i>	-231.93	
26 29 13 13-0185 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDG1).....	1,390.22	144.95
<i>For Factory Installed Accessory, Deduct</i>	-289.92	
26 29 13 13-0186 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEG1).....	2,216.28	193.28
<i>For Factory Installed Accessory, Deduct</i>	-386.55	
26 29 13 13-0187 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFG1).....	4,705.98	289.92
<i>For Factory Installed Accessory, Deduct</i>	-579.84	
26 29 13 13-0188 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGG1).....	10,499.41	386.55
<i>For Factory Installed Accessory, Deduct</i>	-773.11	
26 29 13 13-0189 NEMA 12, Non Reversing, Magnetic Starters (26 29 13 13-0159)		
26 29 13 13-0190 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBA1).....	818.73	106.30
<i>For Factory Installed Accessory, Deduct</i>	-212.61	
26 29 13 13-0191 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBA2).....	885.47	115.97
<i>For Factory Installed Accessory, Deduct</i>	-231.93	
26 29 13 13-0192 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA1).....	905.39	115.97
<i>For Factory Installed Accessory, Deduct</i>	-231.93	
26 29 13 13-0193 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA3).....	973.10	125.63
<i>For Factory Installed Accessory, Deduct</i>	-251.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0194 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA2).....	1,073.64	125.63
<i>For Factory Installed Accessory, Deduct</i>	-251.26	
26 29 13 13-0195 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDA6)	1,540.91	115.97
<i>For Factory Installed Accessory, Deduct</i>	-231.93	
26 29 13 13-0196 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDA1)	1,686.17	144.95
<i>For Factory Installed Accessory, Deduct</i>	-289.92	
26 29 13 13-0197 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEA1)	2,566.29	193.28
<i>For Factory Installed Accessory, Deduct</i>	-386.55	
26 29 13 13-0198 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFA1).....	5,866.99	289.92
<i>For Factory Installed Accessory, Deduct</i>	-579.84	
26 29 13 13-0199 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGA1).....	13,470.23	386.55
<i>For Factory Installed Accessory, Deduct</i>	-773.11	
26 29 13 13-0200 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SHA2)	32,202.43	579.84
<i>For Factory Installed Accessory, Deduct</i>	-1,159.66	
26 29 13 13-0201 NEMA 3R, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
26 29 13 13-0202 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBH1)	818.73	106.30
<i>For Factory Installed Accessory, Deduct</i>	-212.61	
26 29 13 13-0203 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBH2)	885.47	115.97
<i>For Factory Installed Accessory, Deduct</i>	-231.93	
26 29 13 13-0204 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH1)	905.39	115.97
<i>For Factory Installed Accessory, Deduct</i>	-231.93	
26 29 13 13-0205 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH3).....	973.10	125.63
<i>For Factory Installed Accessory, Deduct</i>	-251.26	
26 29 13 13-0206 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH2).....	1,073.64	125.63
<i>For Factory Installed Accessory, Deduct</i>	-251.26	
26 29 13 13-0207 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDH6)	1,540.91	115.97
<i>For Factory Installed Accessory, Deduct</i>	-231.93	
26 29 13 13-0208 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDH1).....	1,686.17	144.95
<i>For Factory Installed Accessory, Deduct</i>	-289.92	
26 29 13 13-0209 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEH1)	2,566.29	193.28
<i>For Factory Installed Accessory, Deduct</i>	-386.55	
26 29 13 13-0210 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFH1)	5,866.99	289.92
<i>For Factory Installed Accessory, Deduct</i>	-579.84	
26 29 13 13-0211 NEMA 3R/4/4X/7/9, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
<i>Note: Bolted cast aluminum enclosure.</i>		
26 29 13 13-0212 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT4)	2,367.93	164.29
<i>For Factory Installed Accessory, Deduct</i>	-328.58	
26 29 13 13-0213 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCR1).....	2,919.98	164.29
<i>For Factory Installed Accessory, Deduct</i>	-328.58	
26 29 13 13-0214 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCR3).....	3,007.60	173.95
<i>For Factory Installed Accessory, Deduct</i>	-347.90	
26 29 13 13-0215 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDR1)	4,680.58	193.28
<i>For Factory Installed Accessory, Deduct</i>	-386.55	
26 29 13 13-0216 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SET43).....	5,642.28	241.60
<i>For Factory Installed Accessory, Deduct</i>	-483.19	
26 29 13 13-0217 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFT41).....	9,002.73	338.24
<i>For Factory Installed Accessory, Deduct</i>	-676.47	
26 29 13 13-0218 NEMA 4/4X, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
<i>Note: Brushed stainless steel enclosure.</i>		
26 29 13 13-0219 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBW11).....	1,128.90	106.30
<i>For Factory Installed Accessory, Deduct</i>	-212.61	
26 29 13 13-0220 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBW12)	1,196.59	115.97
<i>For Factory Installed Accessory, Deduct</i>	-231.93	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0221 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW11).....	1,229.79	115.97
<i>For Factory Installed Accessory, Deduct</i>	-231.93	
26 29 13 13-0222 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW13).....	1,297.50	125.63
<i>For Factory Installed Accessory, Deduct</i>	-251.26	
26 29 13 13-0223 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 7-1/2 HP At 460/575 Volt, 36 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW12).....	1,398.04	125.63
<i>For Factory Installed Accessory, Deduct</i>	-251.26	
26 29 13 13-0224 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDW16).....	2,215.32	115.97
<i>For Factory Installed Accessory, Deduct</i>	-231.93	
26 29 13 13-0225 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEW11)	3,592.61	193.28
<i>For Factory Installed Accessory, Deduct</i>	-386.55	
26 29 13 13-0226 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFW11).....	7,055.50	289.92
<i>For Factory Installed Accessory, Deduct</i>	-579.84	
26 29 13 13-0227 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGW11)	15,755.25	386.55
<i>For Factory Installed Accessory, Deduct</i>	-773.11	
26 29 13 13-0228 NEMA 4X, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
<i>Note: Glass polyester enclosure.</i>		
26 29 13 13-0229 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDW21)	2,363.42	144.95
<i>For Factory Installed Accessory, Deduct</i>	-289.92	
26 29 13 13-0230 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEW21)	4,395.07	193.28
<i>For Factory Installed Accessory, Deduct</i>	-386.55	
26 29 13 13-0231 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFW21).....	8,675.60	289.92
<i>For Factory Installed Accessory, Deduct</i>	-579.84	
26 29 13 13-0232 NEMA 7/9, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
<i>Note: Bolted cast iron enclosure.</i>		
26 29 13 13-0233 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT1).....	2,292.63	154.63
<i>For Factory Installed Accessory, Deduct</i>	-309.24	
26 29 13 13-0234 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT2)	2,367.93	164.29
<i>For Factory Installed Accessory, Deduct</i>	-328.58	
26 29 13 13-0235 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT1).....	2,402.08	164.29
<i>For Factory Installed Accessory, Deduct</i>	-328.58	
26 29 13 13-0236 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT3).....	2,473.57	173.95
<i>For Factory Installed Accessory, Deduct</i>	-347.90	
26 29 13 13-0237 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 36 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT2).....	2,589.29	173.95
<i>For Factory Installed Accessory, Deduct</i>	-347.90	
26 29 13 13-0238 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDT1)	3,823.10	193.28
<i>For Factory Installed Accessory, Deduct</i>	-386.55	
26 29 13 13-0239 Reversing, Magnetic Starters <small>(26 29 13 13-0083)</small>		
26 29 13 13-0240 Open Enclosure, Reversing, Magnetic Starters <small>(26 29 13 13-0239)</small>		
26 29 13 13-0241 EA Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO13)	1,069.85	125.63
<i>For Factory Installed Accessory, Deduct</i>	-251.26	
26 29 13 13-0242 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO16)	1,129.61	125.63
<i>For Factory Installed Accessory, Deduct</i>	-251.26	
26 29 13 13-0243 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO1)	1,251.38	135.29
<i>For Factory Installed Accessory, Deduct</i>	-270.59	
26 29 13 13-0244 EA Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO2)	1,297.27	144.95
<i>For Factory Installed Accessory, Deduct</i>	-289.92	
26 29 13 13-0245 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO10)	1,330.47	144.95
<i>For Factory Installed Accessory, Deduct</i>	-289.92	
26 29 13 13-0246 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO2)	1,423.77	154.63
<i>For Factory Installed Accessory, Deduct</i>	-309.24	
26 29 13 13-0247 EA Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO3)	1,481.23	169.11
<i>For Factory Installed Accessory, Deduct</i>	-338.24	
26 29 13 13-0248 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO7)	1,515.37	169.11
<i>For Factory Installed Accessory, Deduct</i>	-338.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0249 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDO1).....	2,614.66	193.28
<i>For Factory Installed Accessory, Deduct</i>	-386.55	
26 29 13 13-0250 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEO1).....	4,281.03	289.92
<i>For Factory Installed Accessory, Deduct</i>	-579.84	
26 29 13 13-0251 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFO1).....	9,909.31	434.87
<i>For Factory Installed Accessory, Deduct</i>	-869.75	
26 29 13 13-0252 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SGO1).....	18,526.42	579.84
<i>For Factory Installed Accessory, Deduct</i>	-1,159.66	
26 29 13 13-0253 EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SJO1).....	60,223.95	1,063.03
<i>For Factory Installed Accessory, Deduct</i>	-2,126.06	
26 29 13 13-0254 NEMA 1, Reversing, Magnetic Starters <small>(26 29 13 13-0239)</small>		
26 29 13 13-0254 EA Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG13).....	1,107.43	115.97
<i>For Factory Installed Accessory, Deduct</i>	-231.93	
26 29 13 13-0256 EA Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG15).....	1,155.22	125.63
<i>For Factory Installed Accessory, Deduct</i>	-251.26	
26 29 13 13-0257 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG16).....	1,189.36	125.63
<i>For Factory Installed Accessory, Deduct</i>	-251.26	
26 29 13 13-0258 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG1).....	1,308.29	135.29
<i>For Factory Installed Accessory, Deduct</i>	-270.59	
26 29 13 13-0259 EA Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG2).....	1,356.08	144.95
<i>For Factory Installed Accessory, Deduct</i>	-289.92	
26 29 13 13-0260 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG4).....	1,390.22	144.95
<i>For Factory Installed Accessory, Deduct</i>	-289.92	
26 29 13 13-0261 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG2).....	1,509.14	154.63
<i>For Factory Installed Accessory, Deduct</i>	-309.24	
26 29 13 13-0262 EA Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG6).....	1,566.60	169.11
<i>For Factory Installed Accessory, Deduct</i>	-338.24	
26 29 13 13-0263 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG8).....	1,600.74	169.11
<i>For Factory Installed Accessory, Deduct</i>	-338.24	
26 29 13 13-0264 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDG2).....	2,836.62	193.28
<i>For Factory Installed Accessory, Deduct</i>	-386.55	
26 29 13 13-0265 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEG2).....	4,665.19	289.92
<i>For Factory Installed Accessory, Deduct</i>	-579.84	
26 29 13 13-0266 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFG3).....	10,615.02	434.87
<i>For Factory Installed Accessory, Deduct</i>	-869.75	
26 29 13 13-0267 NEMA 12, Reversing, Magnetic Starters <small>(26 29 13 13-0239)</small>		
26 29 13 13-0267 EA Size 0, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA2).....	1,598.90	144.95
<i>For Factory Installed Accessory, Deduct</i>	-289.92	
26 29 13 13-0269 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA4).....	1,633.05	144.95
<i>For Factory Installed Accessory, Deduct</i>	-289.92	
26 29 13 13-0270 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCA4).....	1,843.57	169.11
<i>For Factory Installed Accessory, Deduct</i>	-338.24	
26 29 13 13-0271 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDA1).....	3,242.59	193.28
<i>For Factory Installed Accessory, Deduct</i>	-386.55	
26 29 13 13-0272 NEMA 4X, Reversing, Magnetic Starters <small>(26 29 13 13-0239)</small>		
Note: Brushed stainless steel enclosure.		
26 29 13 13-0272 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBW14).....	2,010.57	144.95
<i>For Factory Installed Accessory, Deduct</i>	-289.92	
26 29 13 13-0274 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCW11).....	2,374.20	154.63
<i>For Factory Installed Accessory, Deduct</i>	-309.24	
26 29 13 13-0275 Magnetic Contactor/Starters Accessories <small>(26 29 13 13-0083)</small>		
26 29 13 13-0275 EA NEMA 1 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA2).....	149.63	12.08
<i>For Factory Installed Accessory, Deduct</i>	-24.16	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0277	EA		NEMA 12 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA3) <i>For Factory Installed Accessory, Deduct</i>	256.72 -24.16	12.08
26 29 13 13-0278	EA		NEMA 1 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC2)..... <i>For Factory Installed Accessory, Deduct</i>	149.63 -24.16	12.08
26 29 13 13-0279	EA		NEMA 12 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC8)..... <i>For Factory Installed Accessory, Deduct</i>	256.72 -24.16	12.08
26 29 13 13-0280	EA		NEMA 1 And 12 Enclosure Red Pilot Light Kit, Contactor/Starter Accessory (Square D 9999SP2R)..... <i>For Factory Installed Accessory, Deduct</i>	256.72 -24.16	12.08
26 29 13 13-0281	EA		Internal Nonconvertible Contact Block Kit, 1 Contact, Contactor/Starter Accessory (Square D 9999SX11)..... <i>For Factory Installed Accessory, Deduct</i>	126.40 -19.32	9.66
26 29 13 13-0282	EA		External Convertible Field Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX6)..... <i>For Factory Installed Accessory, Deduct</i>	112.34 -19.32	9.66
26 29 13 13-0283	EA		External Convertible Field Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX8)..... <i>For Factory Installed Accessory, Deduct</i>	149.63 -24.16	12.08
26 29 13 13-0284	EA		External Field Non Convertible Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX13)..... <i>For Factory Installed Accessory, Deduct</i>	126.40 -19.32	9.66
26 29 13 13-0285	EA		External Field Non Convertible Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX15)..... <i>For Factory Installed Accessory, Deduct</i>	169.10 -24.16	12.08
26 29 13 13-0286	EA		30 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB6)..... <i>For Factory Installed Accessory, Deduct</i>	190.22 -19.32	9.66
26 29 13 13-0287	EA		45 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB11)..... <i>For Factory Installed Accessory, Deduct</i>	329.76 -19.32	9.66
26 29 13 13-0288	EA		60 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB21)..... <i>For Factory Installed Accessory, Deduct</i>	350.31 -19.32	9.66
26 29 13 13-0289	EA		30 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB8)..... <i>For Factory Installed Accessory, Deduct</i>	418.97 -24.16	12.08
26 29 13 13-0290	EA		45 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB13)..... <i>For Factory Installed Accessory, Deduct</i>	733.73 -24.16	12.08
26 29 13 13-0291	EA		60 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB23)..... <i>For Factory Installed Accessory, Deduct</i>	733.73 -24.16	12.08
26 29 13 13-0292	EA		Adapter Bracket For Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SBT1)..... <i>For Factory Installed Accessory, Deduct</i>	42.74 -14.50	7.24
26 29 13 13-0293	EA		1 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF3)..... <i>For Factory Installed Accessory, Deduct</i>	88.55 -19.32	9.66
26 29 13 13-0294	EA		2 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF4)..... <i>For Factory Installed Accessory, Deduct</i>	117.18 -24.16	12.08
26 29 13 13-0295	EA		Transient Suppression Module, Contactor/Starter Accessory (Square D 9999ST1)..... <i>For Factory Installed Accessory, Deduct</i>	91.22 -24.16	12.08
26 29 13 13-0296	EA		Terminal Block, Contactor/Starter Accessory (Square D 9999T7)..... <i>For Factory Installed Accessory, Deduct</i>	50.53 -14.50	7.24
26 29 13 13-0297	EA		Closing Plate For NEMA 1 Enclosures, Contactor/Starter Accessory (Square D 9999SG1)..... <i>For Factory Installed Accessory, Deduct</i>	29.98 -14.50	7.24
26 29 13 13-0298	EA		1 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R39)..... <i>For Factory Installed Accessory, Deduct</i>	165.34 -19.32	9.66
26 29 13 13-0299	EA		2 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R40)..... <i>For Factory Installed Accessory, Deduct</i>	287.00 -24.16	12.08
26 29 13 13-0300			Definite Purpose Starters <small>(26 29 13 13)</small>		
26 29 13 13-0301			Open Enclosure, Definite Purpose Starter <small>(26 29 13 13-0300)</small>		
26 29 13 13-0302	EA		Open Enclosure, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO13)..... <i>For Factory Installed Accessory, Deduct</i>	513.65 -231.93	115.97
26 29 13 13-0303	EA		Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO22)..... <i>For Factory Installed Accessory, Deduct</i>	512.70 -231.93	115.97
26 29 13 13-0304	EA		Open Enclosure, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO23)..... <i>For Factory Installed Accessory, Deduct</i>	554.79 -251.26	125.63
26 29 13 13-0305	EA		Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO32)..... <i>For Factory Installed Accessory, Deduct</i>	547.79 -231.93	115.97
26 29 13 13-0306	EA		Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO33)..... <i>For Factory Installed Accessory, Deduct</i>	595.58 -251.26	125.63
26 29 13 13-0307	EA		Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO42)..... <i>For Factory Installed Accessory, Deduct</i>	578.15 -231.93	115.97
26 29 13 13-0308	EA		Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO43)..... <i>For Factory Installed Accessory, Deduct</i>	668.39 -289.92	144.95
26 29 13 13-0309	EA		Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO52)..... <i>For Factory Installed Accessory, Deduct</i>	747.11 -289.92	144.95
26 29 13 13-0310	EA		Open Enclosure, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO53)..... <i>For Factory Installed Accessory, Deduct</i>	943.41 -338.24	169.11
26 29 13 13-0311			NEMA 1, Definite Purpose Starter <small>(26 29 13 13-0300)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0312 EA NEMA 1, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG12)	527.52	106.30
<i>For Factory Installed Accessory, Deduct</i>	-212.61	
26 29 13 13-0313 EA NEMA 1, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG13)	569.61	115.97
<i>For Factory Installed Accessory, Deduct</i>	-231.93	
26 29 13 13-0314 EA NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG22)	567.71	115.97
<i>For Factory Installed Accessory, Deduct</i>	-231.93	
26 29 13 13-0315 EA NEMA 1, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG23)	612.65	125.63
<i>For Factory Installed Accessory, Deduct</i>	-251.26	
26 29 13 13-0316 EA NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG32)	603.76	115.97
<i>For Factory Installed Accessory, Deduct</i>	-231.93	
26 29 13 13-0317 EA NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG33)	652.49	125.63
<i>For Factory Installed Accessory, Deduct</i>	-251.26	
26 29 13 13-0318 EA NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG42)	636.01	115.97
<i>For Factory Installed Accessory, Deduct</i>	-231.93	
26 29 13 13-0319 EA NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG43)	725.30	144.95
<i>For Factory Installed Accessory, Deduct</i>	-289.92	
26 29 13 13-0320 EA NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG52)	801.18	144.95
<i>For Factory Installed Accessory, Deduct</i>	-289.92	
26 29 13 13-0321 EA NEMA 1, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG53)	998.42	169.11
<i>For Factory Installed Accessory, Deduct</i>	-338.24	
26 29 13 13-0322 Definite Purpose Starter Accessory <small>(26 29 13 13-0300)</small>		
26 29 13 13-0323 EA Start-Stop Push Button Kit, Definite Purpose Starter Accessory	169.10	12.08
Note: Or Hand-Off-Auto Selector Switch Kit		
<i>For Factory Installed Accessory, Deduct</i>	-24.16	
26 29 13 13-0324 Panel Mounted Miniature Contactor <small>(26 29 13 13)</small>		
26 29 13 13-0325 Non Reversing, Panel Mounted Miniature Contactor <small>(26 29 13 13-0324)</small>		
26 29 13 13-0326 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	150.71	48.32
26 29 13 13-0327 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	177.44	53.15
26 29 13 13-0328 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	177.44	53.15
26 29 13 13-0329 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	197.54	57.98
26 29 13 13-0330 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	167.78	48.32
26 29 13 13-0331 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	177.27	48.32
26 29 13 13-0332 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	193.57	53.15
26 29 13 13-0333 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	203.05	53.15
26 29 13 13-0334 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	199.26	53.15
26 29 13 13-0335 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	203.05	53.15
26 29 13 13-0336 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	216.51	57.98
26 29 13 13-0337 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	208.74	53.15
26 29 13 13-0338 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	226.00	57.98
26 29 13 13-0339 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	210.64	53.15

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0340	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	210.64	53.15
26 29 13 13-0341	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	235.49	57.98
26 29 13 13-0342	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	235.49	57.98
26 29 13 13-0343		Reversing, Panel Mounted Miniature Contactor <small>(26 29 13 13-0324)</small>		
26 29 13 13-0344	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	219.95	48.32
26 29 13 13-0345	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	238.92	48.32
26 29 13 13-0346	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	264.71	53.15
26 29 13 13-0347	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	264.71	53.15
26 29 13 13-0348	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	283.68	53.15
26 29 13 13-0349	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	297.14	57.98
26 29 13 13-0350	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	297.14	57.98
26 29 13 13-0351	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	255.05	48.32
26 29 13 13-0352	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	274.02	48.32
26 29 13 13-0353	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	297.90	53.15
26 29 13 13-0354	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	316.88	53.15
26 29 13 13-0355	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	336.03	57.98
26 29 13 13-0356	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	355.00	57.98
26 29 13 13-0357	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	287.47	53.15
26 29 13 13-0358	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	332.05	53.15
26 29 13 13-0359	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	375.87	57.98
26 29 13 13-0360		Panel Mounted Miniature Contactor Accessories <small>(26 29 13 13-0324)</small>		
26 29 13 13-0361	EA	2 Auxiliary Contacts, 10 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA1KN02).....	63.21	24.16
26 29 13 13-0362	EA	4 Auxiliary Contacts, 10 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA1KN40).....	70.54	24.16
26 29 13 13-0363	EA	Electronic Time Delay Contact, 2 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA2KT2U).....	83.80	24.16
26 29 13 13-0364	EA	Overload Relay, Panel Mounted Miniature Contactor Accessory (Square D LR2K0301).....	110.17	24.16
26 29 13 13-0365		Reduced Voltage Auto Transformer Type 240-600 Volt, 3 Pole <small>(26 29 13 13)</small>		
26 29 13 13-0366		NEMA 1 Enclosure <small>(26 29 13 13-0365)</small>		
26 29 13 13-0367	EA	Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	6,912.74	463.21
		<i>For NEMA 4, Add</i>	745.83	
26 29 13 13-0368	EA	Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	12,135.68	617.61
		<i>For NEMA 4, Add</i>	1,362.31	
26 29 13 13-0369	EA	Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	21,353.54	733.41
		<i>For NEMA 4, Add</i>	2,486.42	
26 29 13 13-0370	EA	Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	52,348.80	897.46
		<i>For NEMA 4, Add</i>	6,320.22	
26 29 13 13-0371	EA	Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	83,604.80	1,148.37
		<i>For NEMA 4, Add</i>	10,163.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0372 NEMA 12 Enclosure <small>(26 29 13 13-0365)</small>		
26 29 13 13-0373 EA Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	6,863.04	473.05
26 29 13 13-0374 EA Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	12,044.91	618.58
26 29 13 13-0375 EA Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	21,187.86	731.10
26 29 13 13-0376 EA Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	51,927.65	893.51
26 29 13 13-0377 EA Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	82,927.56	1,148.85
26 29 13 13-0378 Factory Modifications Pilot Devices <small>(26 29 13 13-0365)</small>		
26 29 13 13-0379 EA Start-Stop Push-button, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	175.72	
26 29 13 13-0380 EA H-O-A Select Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	193.80	
26 29 13 13-0381 EA Forward-Reverse-Stop, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	329.88	
26 29 13 13-0382 EA Pilot Light, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	179.23	
26 29 13 13-0383 EA Fused Control Circuit, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	257.72	
26 29 13 13-0384 EA Auxiliary Interlock, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	128.86	
26 29 13 13-0385 EA Auxiliary Relay, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	420.59	
26 29 13 13-0386 Factory Modifications Meters <small>(26 29 13 13-0365)</small>		
26 29 13 13-0387 EA Ammeter And Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,690.65	
26 29 13 13-0388 EA Voltmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,632.94	
26 29 13 13-0389 EA Wattmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	577.30	
26 29 13 13-0390 EA Elapsed-time Meter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	478.35	
26 29 13 13-0391 Factory Modifications Main Circuit Breakers <small>(26 29 13 13-0365)</small>		
26 29 13 13-0392 EA Reduced Voltage Auto Transformer Starter, Size 3, Circuit Breaker, Factory Modification Main Circuit Breaker.....	2,234.44	
26 29 13 13-0393 EA Reduced Voltage Auto Transformer Starter, Size 4, Circuit Breaker, Factory Modification Main Circuit Breaker.....	4,086.52	
26 29 13 13-0394 EA Reduced Voltage Auto Transformer Starter, Size 5-7, Circuit Breaker, Factory Modification Main Circuit Breaker.....	8,692.43	
26 29 13 13-0395 Factory Modifications Addition <small>(26 29 13 13-0365)</small>		
Note: For reversing service auto transformer type.		
26 29 13 13-0396 EA Reduced Voltage Auto Transformer Starter, Size 3, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	375.26	
26 29 13 13-0397 EA Reduced Voltage Auto Transformer Starter, Size 4, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	375.26	
26 29 13 13-0398 EA Reduced Voltage Auto Transformer Starter, Size 5, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	375.26	
26 29 13 13-0399 EA Reduced Voltage Auto Transformer Starter, Size 6, 7, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	375.26	
26 29 13 13-0400 Combination Starters Non-Reversing <small>(26 29 13 13)</small>		
26 29 13 13-0401 240-600 Volts, 3-Pole <small>(26 29 13 13-0400)</small>		
26 29 13 13-0402 NEMA 1 With Disconnect Switch <small>(26 29 13 13-0401)</small>		
26 29 13 13-0403 EA Combination Starter, Size 0, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,514.21	221.96
For Electronic Overloads, Add	202.81	
26 29 13 13-0404 EA Combination Starter, Size 1, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,825.37	347.41
For Electronic Overloads, Add	213.96	
26 29 13 13-0405 EA Combination Starter, Size 2, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,587.16	405.31
For Electronic Overloads, Add	338.76	
26 29 13 13-0406 EA Combination Starter, Size 3, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,972.93	501.80
For Electronic Overloads, Add	563.86	
26 29 13 13-0407 EA Combination Starter, Size 4, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	7,332.65	800.96
For Electronic Overloads, Add	1,087.62	
26 29 13 13-0408 EA Combination Starter, Size 5, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	14,862.73	1,003.62
For Electronic Overloads, Add	2,441.93	
26 29 13 13-0409 NEMA 1 With Circuit Breaker <small>(26 29 13 13-0401)</small>		
26 29 13 13-0410 EA Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	1,936.49	221.96
For Electronic Overloads, Add	283.05	
26 29 13 13-0411 EA Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,247.65	347.41
For Electronic Overloads, Add	294.19	
26 29 13 13-0412 EA Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,997.72	405.31
For Electronic Overloads, Add	416.77	
26 29 13 13-0413 EA Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	4,195.81	501.80
For Electronic Overloads, Add	606.21	
26 29 13 13-0414 EA Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	8,611.23	800.96
For Electronic Overloads, Add	1,330.55	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0415 EA Combination Starter, Size 5, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	18,252.72 3,086.03	1,003.62
26 29 13 13-0416 Factory Modifications For NEMA 1 Enclosure (26 29 13 13-0401)		
26 29 13 13-0417 EA Start-Stop Push-button, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	192.30	
26 29 13 13-0418 EA H-O-A Select Switch, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	451.68	
26 29 13 13-0419 EA Pilot Light, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	311.73	
26 29 13 13-0420 NEMA 4 With Disconnect Switch (26 29 13 13-0401)		
26 29 13 13-0421 EA Combination Starter, Size 0, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	2,789.21 416.77	289.51
26 29 13 13-0422 EA Combination Starter, Size 1, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	3,056.37 427.91	405.31
26 29 13 13-0423 EA Combination Starter, Size 2, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	4,412.57 668.62	443.90
26 29 13 13-0424 EA Combination Starter, Size 3, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	7,066.32 1,138.88	540.41
26 29 13 13-0425 EA Combination Starter, Size 4, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	11,203.58 1,823.09	800.96
26 29 13 13-0426 EA Combination Starter, Size 5, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	24,739.47 4,318.51	1,003.62
26 29 13 13-0427 NEMA 4 With Circuit Breaker (26 29 13 13-0401)		
26 29 13 13-0428 EA Combination Starter, Size 0, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	3,211.49 497.00	289.51
26 29 13 13-0429 EA Combination Starter, Size 1, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	3,478.65 508.15	405.31
26 29 13 13-0430 EA Combination Starter, Size 2, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	4,823.12 746.62	443.90
26 29 13 13-0431 EA Combination Starter, Size 3, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	7,289.19 1,181.22	540.41
26 29 13 13-0432 EA Combination Starter, Size 4, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	12,482.16 2,066.02	800.96
26 29 13 13-0433 EA Combination Starter, Size 5, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	23,413.97 4,066.67	1,003.62
26 29 13 13-0434 Factory Modifications For NEMA 4 Enclosure (26 29 13 13-0401)		
26 29 13 13-0435 EA Start-Stop Push-button, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	192.33	
26 29 13 13-0436 EA H-O-A Select Switch, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	451.68	
26 29 13 13-0437 EA Pilot Light, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	311.73	
26 29 13 13-0438 NEMA 12 With Disconnect Switch (26 29 13 13-0401)		
26 29 13 13-0439 EA Combination Starter, Size 0, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	1,567.58 212.95	223.40
26 29 13 13-0440 EA Combination Starter, Size 1, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	1,881.67 224.65	349.62
26 29 13 13-0441 EA Combination Starter, Size 2, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	2,676.31 355.70	402.12
26 29 13 13-0442 EA Combination Starter, Size 3, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	4,121.32 592.06	502.58
26 29 13 13-0443 EA Combination Starter, Size 4, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	7,618.85 1,141.99	804.25
26 29 13 13-0444 EA Combination Starter, Size 5, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	15,505.33 2,564.03	1,005.16
26 29 13 13-0445 NEMA 12 With Circuit Breaker (26 29 13 13-0401)		
26 29 13 13-0446 EA Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	2,071.82 308.76	223.40
26 29 13 13-0447 EA Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	2,388.30 320.91	349.62
26 29 13 13-0448 EA Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	3,196.97 454.63	402.12
26 29 13 13-0449 EA Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	4,485.63 661.28	502.58
26 29 13 13-0450 EA Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	9,247.35 1,451.41	804.25
26 29 13 13-0451 EA Combination Starter, Size 5, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	19,728.13 3,366.36	1,005.16
26 29 13 13-0452 Factory Modifications For NEMA 12 Enclosure (26 29 13 13-0401)		
26 29 13 13-0453 EA Start-Stop Push-button, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	190.73	
26 29 13 13-0454 EA H-O-A Select Switch, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	447.92	
26 29 13 13-0455 EA Pilot Light, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	309.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0456 NEMA 7 Or 9 With Circuit Breaker <small>(26 29 13 13-0401)</small>		
26 29 13 13-0457 EA Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,670.03	463.21
26 29 13 13-0458 EA Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	4,972.58	617.61
26 29 13 13-0459 EA Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	5,398.94	849.21
26 29 13 13-0460 EA Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	8,026.61	1,158.02
26 29 13 13-0461 EA Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	12,099.59	1,621.23
26 29 13 13-0462 Factory Modifications For NEMA 7 Or 9 Enclosure <small>(26 29 13 13-0401)</small>		
26 29 13 13-0463 EA Start-Stop Push-button, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	1,143.66	
26 29 13 13-0464 EA H-0-A Select Switch, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	1,143.66	
26 29 13 13-0465 EA Pilot Light, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	1,143.66	
26 29 13 13-0466 Combination Starters Reversing <small>(26 29 13 13)</small>		
26 29 13 13-0467 240-600 Volt, 3 Pole <small>(26 29 13 13-0466)</small>		
26 29 13 13-0468 NEMA 1 With Disconnect Switch <small>(26 29 13 13-0467)</small>		
26 29 13 13-0469 EA Combination Starter, Size 0, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	1,867.72	289.51
26 29 13 13-0470 EA Combination Starter, Size 1, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	2,161.42	405.31
26 29 13 13-0471 EA Combination Starter, Size 2, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	3,162.21	443.90
26 29 13 13-0472 EA Combination Starter, Size 3, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	4,831.58	540.41
26 29 13 13-0473 EA Combination Starter, Size 4, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	9,481.97	800.96
26 29 13 13-0474 NEMA 1 With Circuit Breaker <small>(26 29 13 13-0467)</small>		
26 29 13 13-0475 EA Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,090.53	289.51
26 29 13 13-0476 EA Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,399.26	405.31
26 29 13 13-0477 EA Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,440.63	443.90
26 29 13 13-0478 EA Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,448.27	540.41
26 29 13 13-0479 EA Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	10,235.08	800.96
26 29 13 13-0480 NEMA 12 With Disconnect Switch <small>(26 29 13 13-0467)</small>		
26 29 13 13-0481 EA Combination Starter, Size 0, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	1,997.29	297.90
26 29 13 13-0482 EA Combination Starter, Size 1, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	2,299.66	402.12
26 29 13 13-0483 EA Combination Starter, Size 2, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	3,393.29	446.80
26 29 13 13-0484 EA Combination Starter, Size 3, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	5,214.50	536.16
26 29 13 13-0485 EA Combination Starter, Size 4, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	10,283.95	804.25
26 29 13 13-0486 NEMA 12 With Circuit Breaker <small>(26 29 13 13-0467)</small>		
26 29 13 13-0487 EA Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,242.79	297.90
26 29 13 13-0488 EA Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,561.72	402.12
26 29 13 13-0489 EA Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,700.07	446.80
26 29 13 13-0490 EA Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,792.14	536.16
26 29 13 13-0491 EA Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	11,113.76	804.25
26 29 13 13-0492 NEMA 7 Or 9 With Circuit Breaker <small>(26 29 13 13-0467)</small>		
26 29 13 13-0493 EA Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,447.08	617.61
26 29 13 13-0494 EA Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,770.95	772.01
26 29 13 13-0495 EA Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	6,866.94	1,003.62
26 29 13 13-0496 EA Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	10,944.67	1,312.42
26 29 13 13-0497 EA Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	20,019.83	1,775.63
26 29 13 13-0498 Solid State Motor Controllers <small>(26 29 13 13)</small>		
26 29 13 13-0499 Adjustable Voltage Drives, DC Motors <small>(26 29 13 13-0498)</small>		
26 29 13 13-0500 EA 0.5-1.5 HP DC Solid State Motor Controller, Reversing With Dynamic Braking.....	1,488.35	173.70
26 29 13 13-0501 EA 0.5-2.0 HP DC Solid State Motor Controller, Non-Reversing With Dynamic Braking.....	1,800.12	173.70
26 29 13 13-0502 Removal And Reinstallation Of Motor Starters <small>(26 29 13 13)</small>		
Note: Includes storage and cleaning.		
26 29 13 13-0503 EA Removal And Reinstallation Of Up To 25 HP Motor Starter With Disconnect.....	689.29	
26 29 13 13-0504 Auxiliary Devices <small>(26 29 13 13)</small>		
26 29 13 13-0505 EA Auxiliary Contact, Normally Open.....	435.74	96.51
26 29 13 13-0506 EA Auxiliary Contact, Normally Closed.....	435.74	96.51
26 29 13 13-0507 EA Pilot Light Kit.....	460.24	96.51
26 29 23 Variable-Frequency Motor Controllers <small>(26 29)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 29 23 00-0001 208/230 Volt Variable Frequency Drives ^(26 29 23)					
Note: 1 or 3 phase. Wall mounted. ABB ACH550 or ACS550 Series. Includes full voltage bypass. NEMA 1 enclosure.					
26 29 23 00-0002	EA		3/4 HP, 208/230 Volt Variable Frequency Drive	1,730.41	191.80
26 29 23 00-0003	EA		1 HP, 208/230 Volt Variable Frequency Drive	1,945.45	191.80
26 29 23 00-0004	EA		1-1/2 HP, 208/230 Volt Variable Frequency Drive	2,267.37	191.80
26 29 23 00-0005	EA		2 HP, 208/230 Volt Variable Frequency Drive	2,478.63	191.80
26 29 23 00-0006	EA		3 HP, 208/230 Volt Variable Frequency Drive	2,614.43	191.80
26 29 23 00-0007	EA		5 HP, 208/230 Volt Variable Frequency Drive	2,691.50	191.80
26 29 23 00-0008	EA		7.5 HP, 208/230 Volt Variable Frequency Drive	3,001.31	288.26
26 29 23 00-0009	EA		10 HP, 208/230 Volt Variable Frequency Drive	3,652.42	288.26
26 29 23 00-0010	EA		15 HP, 208/230 Volt Variable Frequency Drive	4,427.10	383.48
26 29 23 00-0011	EA		20 HP, 208/230 Volt Variable Frequency Drive	5,121.69	383.48
26 29 23 00-0012	EA		25 HP, 208/230 Volt Variable Frequency Drive	6,372.23	479.96
26 29 23 00-0013	EA		30 HP, 208/230 Volt Variable Frequency Drive	7,956.71	479.96
26 29 23 00-0014	EA		40 HP, 208/230 Volt Variable Frequency Drive	9,726.61	563.55
26 29 23 00-0015	EA		50 HP, 208/230 Volt Variable Frequency Drive	10,930.41	673.78
26 29 23 00-0016	EA		60 HP, 208/230 Volt Variable Frequency Drive	12,479.10	720.39
26 29 23 00-0017	EA		75 HP, 208/230 Volt Variable Frequency Drive	14,652.61	673.78

26 29 23 00-0018 460/480 Volt Variable Frequency Drives ^(26 29 23)					
Note: 3 Phase. ABB ACH550 or ACS550 Series. Includes full voltage bypass. NEMA 1 enclosure.					
26 29 23 00-0019	EA		3 HP, 480 Volt Variable Frequency Drive	2,359.04	168.38
Note: Wall mounted.					
26 29 23 00-0020	EA		5 HP, 480 Volt Variable Frequency Drive	2,530.18	191.80
Note: Wall mounted.					
26 29 23 00-0021	EA		7.5 HP, 480 Volt Variable Frequency Drive	2,683.16	288.26
Note: Wall mounted.					
26 29 23 00-0022	EA		10 HP, 480 Volt Variable Frequency Drive	2,970.77	288.27
Note: Wall mounted.					
26 29 23 00-0023	EA		15 HP, 480 Volt Variable Frequency Drive	3,759.37	383.48
Note: Wall mounted.					
26 29 23 00-0024	EA		20 HP, 480 Volt Variable Frequency Drive	4,396.40	383.50
Note: Wall mounted.					
26 29 23 00-0025	EA		25 HP, 480 Volt Variable Frequency Drive	5,519.64	479.97
Note: Wall mounted.					
26 29 23 00-0026	EA		30 HP, 480 Volt Variable Frequency Drive	6,304.35	479.96
Note: Wall mounted.					
26 29 23 00-0027	EA		40 HP, 480 Volt Variable Frequency Drive	7,577.54	563.55
Note: Wall mounted.					
26 29 23 00-0028	EA		50 HP, 480 Volt Variable Frequency Drive	8,972.48	673.78
Note: Wall mounted.					
26 29 23 00-0029	EA		60 HP, 480 Volt Variable Frequency Drive	10,436.91	720.39
Note: Wall mounted.					
26 29 23 00-0030	EA		75 HP, 480 Volt Variable Frequency Drive	11,824.63	767.01
Note: Wall mounted.					
26 29 23 00-0031	EA		100 HP, 480 Volt Variable Frequency Drive	14,155.13	813.40
Note: Wall mounted.					
26 29 23 00-0032	EA		125 HP, 480 Volt Variable Frequency Drive	16,812.57	859.09
Note: Wall mounted.					
26 29 23 00-0033	EA		150 HP, 480 Volt Variable Frequency Drive	19,351.35	959.86
Note: Floor mounted.					
26 29 23 00-0034	EA		200 HP, 480 Volt Variable Frequency Drive	26,070.81	1,052.38
Note: Floor mounted.					
26 29 23 00-0035	EA		250 HP, 480 Volt Variable Frequency Drive	33,597.61	1,145.42
Note: Floor mounted.					
26 29 23 00-0036	EA		300 HP, 480 Volt Variable Frequency Drive	39,562.83	1,342.31
Note: Floor mounted.					
26 29 23 00-0037	EA		350 HP, 480 Volt Variable Frequency Drive	45,955.27	1,520.51
Note: Floor mounted.					
26 29 23 00-0038	EA		400 HP, 480 Volt Variable Frequency Drive	53,814.32	1,718.18
Note: Floor mounted.					
26 29 23 00-0039	EA		450 HP, 480 Volt Variable Frequency Drive	58,070.73	1,930.50
Note: Floor mounted.					

26 30 Facility Electrical Power Generating And Storing Equipment

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26 31 Photovoltaic Collectors ^(26 30)

26 31 00 00-0001 Rigid Photovoltaic Modules ^(26 31)

26 31 00 00-0002 Sanyo Rigid Photovoltaic Modules ^(26 31 00 00-0001)

26 31 00 00-0003	EA		205 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.3% Module Efficiency (Sanyo HIP-205NHKA6).....	1,262.85	91.68
For >50, Deduct				-107.95	
26 31 00 00-0004	EA		210 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.7% Module Efficiency (Sanyo HIP-210NHKA6).....	1,321.37	91.68
For >50, Deduct				-113.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0005 EA 215 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 17.1% Module Efficiency (Sanyo HIP-215HNKA6).....	1,239.89	91.68
<i>For >50, Deduct</i>	-105.65	
26 31 00 00-0006 Sharp Rigid Photovoltaic Modules <small>(26 31 00 00-0001)</small>		
26 31 00 00-0007 EA 224 Watt Polycrystalline Photovoltaic Module, 64.6" x 39.1", 13.74% Module Efficiency (Sharp ND-224UC1).....	999.36	91.68
<i>For >50, Deduct</i>	-81.60	
26 31 00 00-0008 EA 230 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.1% Module Efficiency (Sharp NU-U230F3).....	1,129.97	91.68
<i>For >50, Deduct</i>	-94.66	
26 31 00 00-0009 EA 235 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.4% Module Efficiency (Sharp NU-U235F1).....	1,150.66	91.68
<i>For >50, Deduct</i>	-96.73	
26 31 00 00-0010 EA 240 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.7% Module Efficiency (Sharp NU-U240F1).....	1,086.00	91.68
<i>For >50, Deduct</i>	-90.27	
26 31 00 00-0011 BP Solar Rigid Photovoltaic Modules <small>(26 31 00 00-0001)</small>		
Note: Approved for applications in NEC Class 1, Division 2, Groups C and D hazardous locations.		
26 31 00 00-0012 EA 50 Watt Polycrystalline Photovoltaic Module, 33" x 21.1" (BP SX350J).....	518.22	91.68
<i>For >50, Deduct</i>	-33.49	
26 31 00 00-0013 EA 75 Watt Polycrystalline Photovoltaic Module, 47.6" x 21.14" (BP SX375J).....	628.15	91.68
<i>For >50, Deduct</i>	-44.48	
26 31 00 00-0014 EA 80 Watt Polycrystalline Photovoltaic Module, 47.6" x 20.9" (BP SX380J).....	672.11	91.68
<i>For >50, Deduct</i>	-48.88	
26 31 00 00-0015 Photovoltaic Inverters <small>(26 31)</small>		
26 31 00 00-0016 Fronius Photovoltaic Inverters <small>(26 31 00 00-0015)</small>		
26 31 00 00-0017 EA 3 KW Photovoltaic Inverter (Fronius IG Plus 3.0-1).....	2,942.46	96.51
26 31 00 00-0018 EA 5 KW Photovoltaic Inverter (Fronius IG Plus 5.0-1).....	3,864.45	96.51
26 31 00 00-0019 EA 6 KW Photovoltaic Inverter (Fronius IG Plus 6.0-1).....	4,076.28	96.51
26 31 00 00-0020 EA 7.5 KW Photovoltaic Inverter (Fronius IG Plus 7.5-1).....	4,551.53	96.51
26 31 00 00-0021 EA 10 KW Photovoltaic Inverter (Fronius IG Plus 10.0-1).....	7,176.56	96.51
26 31 00 00-0022 EA 12 KW Photovoltaic Inverter (Fronius IG Plus 12.0-3-1).....	8,333.69	96.51
26 31 00 00-0023 EA 11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3 Delta).....	6,849.21	193.00
26 31 00 00-0024 EA 11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3).....	8,640.43	193.00
26 31 00 00-0025 EA Inverter Display Stand (Fronius 4,045,894).....	279.76	48.25
26 31 00 00-0026 SMA Photovoltaic Inverters <small>(26 31 00 00-0015)</small>		
26 31 00 00-0027 EA 4 KW AC Photovoltaic Inverter (SMA Sunny Boy 4000TL-US-22).....	2,201.27	96.51
26 31 00 00-0028 EA 5 KW AC Photovoltaic Inverter (SMA Sunny Boy 5000TL-US-22).....	2,631.72	96.51
26 31 00 00-0029 EA 6 KW AC Photovoltaic Inverter (SMA Sunny Boy 6000TL-US-22).....	3,032.88	96.51
26 31 00 00-0030 EA 7 KW AC Photovoltaic Inverter (SMA Sunny Boy 7000TL-US-22).....	3,339.14	96.51
26 31 00 00-0031 EA 8 KW AC Photovoltaic Inverter (SMA Sunny Boy 8000TL-US-12).....	3,235.97	96.51
26 31 00 00-0032 PVPowered Photovoltaic Inverters <small>(26 31 00 00-0015)</small>		
26 31 00 00-0033 EA 120 Volt, 1.1 KW Photovoltaic Inverter (PVPowered PVP1100).....	2,708.44	96.51
26 31 00 00-0034 EA 240 Volt, 2 KW Photovoltaic Inverter (PVPowered PVP2000).....	2,830.24	96.51
26 31 00 00-0035 EA 240 Volt, 2.5 KW Photovoltaic Inverter (PVPowered PVP2500).....	3,121.50	96.51
26 31 00 00-0036 EA 240 Volt, 3.5 KW Photovoltaic Inverter (PVPowered PVP3500).....	3,704.61	120.63
26 31 00 00-0037 EA 208 Volt, 4.6 KW Photovoltaic Inverter (PVPowered PVP4600).....	4,515.44	144.75
26 31 00 00-0038 EA 240 Volt, 4.8 KW Photovoltaic Inverter (PVPowered PVP4800).....	4,552.52	144.75
26 31 00 00-0039 EA 240 Volt, 5.2 KW Photovoltaic Inverter (PVPowered PVP5200).....	4,799.29	144.75
26 31 00 00-0040 EA 208 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW).....	56,695.89	772.01
26 31 00 00-0041 EA 480 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW).....	56,770.37	772.01
26 31 00 00-0042 EA 208 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW).....	61,396.05	772.01
26 31 00 00-0043 EA 480 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW).....	56,948.11	772.01
26 31 00 00-0044 Solectria Photovoltaic Inverters <small>(26 31 00 00-0015)</small>		
26 31 00 00-0045 EA 208 Or 480 Volt, 10 KW Photovoltaic Inverter (Solectria PVI).....	8,963.47	193.00
26 31 00 00-0046 EA 208 Or 480 Volt, 13 KW Photovoltaic Inverter (Solectria PVI).....	8,963.47	193.00
26 31 00 00-0047 EA 208 Volt, 15 KW, Photovoltaic Inverter (Solectria PVI).....	9,222.52	193.00
26 31 00 00-0048 EA 480 Volt, 15 KW Photovoltaic Inverter (Solectria PVI).....	9,222.52	193.00
26 31 00 00-0049 EA 208 Volt, 50 KW Photovoltaic Inverter (Solectria PVI).....	28,070.54	579.01
26 31 00 00-0050 EA 480 Volt, 50 KW Photovoltaic Inverter (Solectria PVI).....	26,775.28	579.01
26 31 00 00-0051 EA 208 Volt, 60 KW Photovoltaic Inverter (Solectria PVI).....	30,661.05	579.01
26 31 00 00-0052 EA 480 Volt, 60 KW Photovoltaic Inverter (Solectria PVI).....	29,941.46	579.01
26 31 00 00-0053 EA 208 Volt, 75 KW Photovoltaic Inverter (Solectria PVI).....	32,531.97	579.01
26 31 00 00-0054 EA 480 Volt, 75 KW Photovoltaic Inverter (Solectria PVI).....	31,092.80	579.01
26 31 00 00-0055 EA 208 Volt, 85 KW Photovoltaic Inverter (Solectria PVI).....	34,357.15	772.01
26 31 00 00-0056 EA 480 Volt, 85 KW Photovoltaic Inverter (Solectria PVI).....	32,774.06	772.01
26 31 00 00-0057 EA 208 Volt, 100 KW Photovoltaic Inverter (Solectria PVI).....	35,652.41	772.01
26 31 00 00-0058 EA 480 Volt, 100 KW Photovoltaic Inverter (Solectria PVI).....	33,781.48	772.01
26 31 00 00-0059 Xantrex Photovoltaic Inverters <small>(26 31 00 00-0015)</small>		
26 31 00 00-0060 EA 0.6 KW Photovoltaic Inverter (Xantrex 806-1206).....	383.51	24.13

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 31 Photovoltaic Collectors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0061 EA 1 KW Photovoltaic Inverter (Xantrex 806-1210).....	416.81	24.13
26 31 00 00-0062 EA 2 KW Photovoltaic Inverter (Xantrex 806-1220).....	661.54	24.13
26 31 00 00-0063 Photovoltaic DC-DC Converters (26 31)		
26 31 00 00-0064 EA 15 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-20)..... Note: Hazardous locations.	237.91	36.19
26 31 00 00-0065 EA 20 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-23).....	165.49	36.19
26 31 00 00-0066 EA 60 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-60).....	424.13	36.19
26 31 00 00-0067 Photovoltaic Combiner Boxes (26 31)		
26 31 00 00-0068 Midnight Solar Photovoltaic Combiner Boxes (26 31 00 00-0067)		
26 31 00 00-0069 EA 3 - 150 Volt DC Breaker Or 3 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV3).....	315.11	96.51
26 31 00 00-0070 EA 6 - 150 Volt DC Breaker Or 4 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV6).....	308.40	96.51
26 31 00 00-0071 EA 12 - 150 Volt DC Breaker Or 10 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12).....	485.75	144.75
26 31 00 00-0072 EA 6 - 300 Volt DC Breaker, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12-250).....	488.10	144.75
26 31 00 00-0073 EA 16, 600 Volt DC Breakers, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV16).....	705.64	144.75
26 31 00 00-0074 SMA Photovoltaic Combiner Boxes (26 31 00 00-0067)		
26 31 00 00-0075 EA 6 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SBCB-6).....	631.64	96.51
26 31 00 00-0076 EA 12 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-12).....	745.93	96.51
26 31 00 00-0077 EA 28 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-28).....	1,448.19	193.00
26 31 00 00-0078 EA 52 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-52).....	3,188.28	193.00
26 31 00 00-0079 EA 4 Input NEMA 3R, Steel Combination DC Disconnect And Photovoltaic Combiner Box (SMA Combi-Switch).....	569.79	96.51
26 31 00 00-0080 Photovoltaic Charge Controller (26 31)		
26 31 00 00-0081 EA 35 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-35).....	193.94	36.19
26 31 00 00-0082 EA 40 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-40).....	252.13	36.19
26 31 00 00-0083 EA 60 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-60).....	290.93	36.19
26 31 00 00-0084 EA Remote Digital Meter For Xantrex C-35, 40 And 60.....	227.56	36.19
26 31 00 00-0085 EA MPPT Charge Controller (Xantrex XW SCC).....	745.63	48.25
26 31 00 00-0086 Photovoltaic Batteries (26 31)		
26 31 00 00-0087 Concorde Photovoltaic Batteries (26 31 00 00-0086)		
26 31 00 00-0088 EA 34 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-340T).....	168.51	14.48
26 31 00 00-0089 EA 45 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-420T).....	213.05	19.30
26 31 00 00-0090 EA 49 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-490T).....	229.93	19.30
26 31 00 00-0091 EA 56 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-560T).....	267.24	28.95
26 31 00 00-0092 EA 69 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-690T).....	302.13	28.95
26 31 00 00-0093 EA 89 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-890T).....	358.30	33.77
26 31 00 00-0094 EA 104 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1040T).....	410.78	38.60
26 31 00 00-0095 EA 108 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1080T).....	406.33	38.60
26 31 00 00-0096 EA 210 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2120T).....	731.33	45.84
26 31 00 00-0097 EA 255 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2580T).....	843.16	48.25
26 31 00 00-0098 Deka Photovoltaic Batteries (26 31 00 00-0086)		
26 31 00 00-0099 EA 31 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8GU1).....	181.52	24.16
26 31 00 00-0100 EA 50 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G22NF).....	244.89	24.16
26 31 00 00-0101 EA 74 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G24).....	354.81	24.16
26 31 00 00-0102 EA 86 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G27).....	403.95	24.16
26 31 00 00-0103 EA 98 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G31).....	405.24	24.16
26 31 00 00-0104 EA 183 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G4D).....	772.51	24.16
26 31 00 00-0105 EA 225 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G8D).....	891.49	24.16
26 31 00 00-0106 Battery Enclosures (26 31 00 00-0086)		
26 31 00 00-0107 EA 14" x 12" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge 55-2501-010).....	203.43	24.13
26 31 00 00-0108 EA 22" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS1GC).....	944.51	24.16
26 31 00 00-0109 EA 37" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS2GCL).....	888.90	24.16
26 31 00 00-0110 EA 37" x 16" x 14.5" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS4GC).....	1,179.87	24.16
26 31 00 00-0111 EA 15" x 17.1" x 8.4" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSLCF1).....	533.27	24.16
26 31 00 00-0112 EA 31" x 36" x 14" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSBR827BP).....	1,235.48	24.16
26 31 00 00-0113 Photovoltaic System Monitoring (26 31)		
26 31 00 00-0114 EA Solar Inverter Monitor (Xantrex 864-0203).....	427.83	48.25
26 31 00 00-0115 EA Photovoltaic System Monitoring, Remote Diagnosis, Data Storage Communication Hub (SMA Sunny WebBox).....	842.60	24.13
26 31 00 00-0116 EA Sun Radiation And Temperature Monitor (SMA Sunny SensorBox).....	706.20	24.13
26 31 00 00-0117 EA PT100 Ambient Temperature Sensor For Sunny SensorBox (SMA).....	141.13	24.13
26 31 00 00-0118 EA Wind Sensor Accessory For Sunny SensorBox (SMA).....	342.58	48.25



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0119 EA Sunny Boy Control with RS485 (SMA)	829.02	24.13
26 31 00 00-0120 EA RS 485 Module (SMA)	198.77	24.13
26 31 00 00-0121 EA RS 232 Module (SMA)	203.43	24.13
26 31 00 00-0122 EA Wireless Monitor with Bluetooth (SMA Sunny Beam)	383.22	
26 31 00 00-0123 EA Bluetooth Piggy-Back Computer Card (SMA)	205.95	24.13
26 31 00 00-0124 EA RS485-N Communication Computer Card (SMA)	204.65	24.13
26 31 00 00-0125 EA Bluetooth Repeater (SMA)	374.73	24.13
26 31 00 00-0126 EA Sunny Boy PC Service Cable (SMA)	175.73	7.23
26 31 00 00-0127 EA Integrated Revenue Grade Meter, Option (PVPowered)	3,317.06	
26 31 00 00-0128 EA Data Monitoring Module (PVPowered PVM1010)	373.97	24.13
26 31 00 00-0129 EA Wireless IG Personal Display (Fronius 4,240,108)	388.90	
26 31 00 00-0130 EA DatCom Power Supply (Fronius 43,0001,2311)	124.86	
26 31 00 00-0131 EA Wireless Card For IG Personal Display (Fronius 4,240,008,Z)	227.98	24.13
26 31 00 00-0132 EA Retrofit Solar Inverter Interface And Power Supply Option Communication Card (Fronius 4,240,001,Z)	194.87	24.13
26 31 00 00-0133 EA Datalogger Pro Box (Fronius 4,240,102)	727.55	24.13
26 31 00 00-0134 EA Datalogger Easy Box (Fronius 4,240,103)	477.77	24.13
26 31 00 00-0135 EA Datalogger Interface Box (Fronius 4,240,105)	819.72	24.13
26 31 00 00-0136 EA Datalogger Web (Fronius 4,240,122)	1,399.32	24.13
26 31 00 00-0137 EA Interface Box (Fronius 4,240,109)	385.39	24.13
26 31 00 00-0138 EA Interface Card (Fronius 4,240,009,Z)	278.68	24.13
26 31 00 00-0139 EA Interface Card Easy (Fronius 4,240,013,Z)	188.15	24.13
26 31 00 00-0140 EA Sensor Box (Fronius 4,240,104)	759.28	24.13
26 31 00 00-0141 EA Ambient Temperature Sensor (Fronius 43,0001,1188)	95.65	24.13
26 31 00 00-0142 EA Irradiance Sensor (Fronius 43,0001,1188)	272.11	24.13
26 31 00 00-0143 EA Module Temperature Sensor (Fronius 43,0001,1190)	301.59	24.13
26 31 00 00-0144 EA Wind Speed Sensor (Fronius 42,0411,0027)	178.54	48.25
26 31 00 00-0145 Photovoltaic System Accessories (26 31)		
26 31 00 00-0146 EA Four Inverter Bypass Switch (OutBack AC-IOB-100Q)	576.58	48.25
26 31 00 00-0147 EA Line Communication Filter (Enphase LCF)	1,252.13	96.51
26 31 00 00-0148 EA 15 Meter RS 485 Communication Cable (SMA)	95.95	7.23
26 31 00 00-0149 EA 15 Meter RS 232 Communication Cable (SMA)	142.51	7.23
26 31 00 00-0150 EA 24" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	23.12	2.38
26 31 00 00-0151 EA 36" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	24.68	2.38
26 31 00 00-0152 EA 48" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	25.56	2.38
26 31 00 00-0153 EA 72" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	28.01	2.38
26 31 00 00-0154 EA 120" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	31.67	2.38
26 31 00 00-0155 EA 240" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	51.14	4.78
26 31 00 00-0156 EA 360" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	62.52	4.78
26 31 00 00-0157 EA 420" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	82.81	7.16
26 31 00 00-0158 EA 36" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	28.62	2.38
26 31 00 00-0159 EA 120" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	39.00	2.38
26 31 00 00-0160 EA 240" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	58.47	4.78
26 31 00 00-0161 EA 360" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	76.81	4.78
26 31 00 00-0162 EA 600" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	126.10	9.56
26 31 00 00-0163 EA 1200" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	131.28	9.56
26 31 00 00-0164 EA Lighting Kit, 9W Fluorescent, 12 V 4.5 Amp Hour Battery	2,341.37	260.55
Note: Tamper proof enclosure.		
26 31 00 00-0165 Photovoltaic Mounting Systems (26 31)		
26 31 00 00-0166 LF Anodized Aluminum Photovoltaic Module Mounting Rail (UNIRAC SolarMount Standard)	8.85	2.41
26 31 00 00-0167 EA Splice Bar For Photovoltaic Module Mounting Rail (UNIRAC 310229)	28.19	12.06
26 31 00 00-0168 EA Splice Plate For Photovoltaic Module Mounting Rail (UNIRAC 310216)	33.94	12.06
26 31 00 00-0169 EA 8" x 3/8" Hanger Bolt (UNIRAC 310046)	17.07	4.83
Note: Supports mounting rail above tile or metal roof.		
26 31 00 00-0170 EA Mounting Rail Grounding Clip (UNIRAC 980006)	8.84	3.62
Note: One grounding clip for every two top mounting clamps (end clamps + mid clamps) in your installation. Only one of the two rails in each row requires grounding clips.		
26 31 00 00-0171 EA Mounting Rail Grounding Lugs (UNIRAC 980012)	17.34	4.83
Note: Two grounding lugs for each rail splice and one additional lug for each rail.		
26 31 00 00-0172 EA Anodized Aluminum Photovoltaic Module Mounting End Clamp (UNIRAC 320002)	4.83	1.61
Note: Four for each row of modules you plan to mount.		
26 31 00 00-0173 EA Anodized Aluminum Photovoltaic Module Mounting Mid Clamp (UNIRAC 320008)	5.02	1.61
Note: For each row, take one less than the number of modules in the row and multiply that figure by 2.		
26 31 00 00-0174 EA Photovoltaic Module Mount L-Foot (UNIRAC 310065)	12.87	4.83
26 31 00 00-0175 EA 12" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310121)	74.14	24.13
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0176 EA 30" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310122)	80.66	24.13
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0177 EA 44" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310123)	85.91	24.13
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0178 EA 12" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310107)	109.31	36.19
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0179 EA 44" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310108)	128.87	36.19
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		

26 Electrical

26 30 Facility Electrical Power Generating And Storing Equipment

26 31 Photovoltaic Collectors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0180	EA		72" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310109)..... Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	146.61	36.19
26 31 00 00-0181	EA		18" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310111)..... Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	166.03	48.25
26 31 00 00-0182	EA		64" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310112)..... Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	212.74	48.25
26 31 00 00-0183	EA		104" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310110)..... Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	301.54	72.38
26 31 00 00-0184	EA		Ballasted Photovoltaic Module Frame (UNIRAC 310351)..... Note: Excludes ballast.	147.70	
26 31 00 00-0185	EA		Ballasted Photovoltaic Module Frame With Module Mount (UNIRAC 310355)..... Note: Excludes ballast.	271.26	
26 31 00 00-0186	EA		3" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310051).....	61.12	24.13
26 31 00 00-0187	EA		4" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310052).....	61.72	24.13
26 31 00 00-0188	EA		6" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310053).....	62.27	24.13
26 31 00 00-0189	EA		7" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310054).....	63.64	24.13
26 31 00 00-0190	EA		3" High Aluminum Photovoltaic Module Standoff (UNIRAC 310553).....	57.48	24.13
26 31 00 00-0191	EA		4" High Aluminum Photovoltaic Module Standoff (UNIRAC 310554).....	58.18	24.13
26 31 00 00-0192	EA		6" High Aluminum Photovoltaic Module Standoff (UNIRAC 310555).....	60.20	24.13
26 31 00 00-0193	EA		7" High Aluminum Photovoltaic Module Standoff (UNIRAC 310556).....	59.63	24.13
26 31 00 00-0194	EA		3" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310390).....	111.85	36.19
26 31 00 00-0195	EA		4" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310391).....	112.26	36.19
26 31 00 00-0196	EA		7" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310394).....	113.50	36.19
26 31 00 00-0197	EA		Photovoltaic Module Rapidfoot Standoff Assembly (UNIRAC 310370).....	112.21	36.19
26 31 00 00-0198	EA		Photovoltaic Module Standoff Flashing (UNIRAC 990103).....	21.03	4.83
26 31 00 00-0199	EA		Photovoltaic Module Standoff Ethylene Propylene Diene Monomer (EPDM) Patch (UNIRAC 990161).....	14.73	4.83
26 31 00 00-0200	EA		1/4" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004030M-0100).....	26.94	7.23
26 31 00 00-0201	EA		3/8" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004031M-0100).....	27.88	7.23
26 31 00 00-0202	EA		Photovoltaic Module Standing Seam Metal Roof Mounting Clamp (UNIRAC 004032M-0100)..... Note: Mid or end clamp.	7.57	1.61
26 31 00 00-0203	EA		Photovoltaic Module Tile Roof Mounting Hook (UNIRAC 905011C-0024).....	33.13	4.83
26 31 00 00-0204	EA		Photovoltaic Module Wire Clip (UNIRAC 908002S-0100).....	2.01	

26 32 Packaged Generator Assemblies (26 30)

26 32 13 Engine Generators (26 32)

See CSI section 23 13 23 13-0001 for fuel storage tanks.

26 32 13 13 Diesel-Engine-Driven Generator Sets (26 32 13)

See CSI section 01 22 23 00-0720 for fuel reimbursement for commissioning.

26 32 13 13-0001 Diesel Generator Sets (26 32 13 13)

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes manufacturer's representative at startup. Excludes fuel tank, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0699 for loadbank rental, 23 13 23 13-0001 for fuel day tank, 26 36 23 00-0000 for automatic transfer switch.

26 32 13 13-0002	EA		25 KW Diesel Generator Set, 3 Phase (Cummins DSKCA)..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	23,140.19 2,743.63 6,456.28 8,608.38 6,985.75 10,133.11 13,510.82	828.09
26 32 13 13-0003	EA		35 KW Diesel Generator Set, 3 Phase (Cummins DSFAA)..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	24,489.08 2,743.63 6,456.28 8,608.38 6,985.75 10,133.11 13,510.82	1,019.58
26 32 13 13-0004	EA		40 KW Diesel Generator Set, 3 Phase (Cummins DSFAB)..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	25,229.07 2,743.63 6,456.28 8,608.38 6,985.75 10,133.11 13,510.82	1,117.92
26 32 13 13-0005	EA		50 KW Diesel Generator Set, 3 Phase (Cummins DSFAC)..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	29,667.74 2,743.63 6,456.28 8,608.38 6,985.75 10,133.11 13,510.82	1,283.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0006 EA 60 KW Diesel Generator Set, 3 Phase (Cummins DSFAD).....	32,138.79	1,475.03
For Weather Resistant Steel Diesel Generator Enclosure, Add	2,743.63	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	6,456.28	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	8,608.38	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	6,985.75	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	10,133.11	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	13,510.82	
26 32 13 13-0007 EA 80 KW Diesel Generator Set, 3 Phase (Cummins DSFAE).....	37,776.14	1,728.63
For Weather Resistant Steel Diesel Generator Enclosure, Add	2,743.63	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	6,456.28	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	8,608.38	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	6,985.75	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	10,133.11	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	13,510.82	
26 32 13 13-0008 EA 100 KW Diesel Generator Set, 3 Phase (Cummins DSGAA).....	40,807.88	2,008.11
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,161.50	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	9,871.10	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	13,161.47	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	8,962.84	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	10,775.19	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	14,366.92	
26 32 13 13-0009 EA 125 KW Diesel Generator Set, 3 Phase (Cummins DSGAB).....	42,207.39	2,380.76
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,161.50	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	9,871.10	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	13,161.47	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	8,962.84	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	10,775.19	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	14,366.92	
26 32 13 13-0010 EA 150 KW Diesel Generator Set, 3 Phase (Cummins DSGAC).....	46,555.13	2,624.01
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,161.50	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	9,871.10	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	13,161.47	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	8,962.84	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	10,775.19	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	14,366.92	
26 32 13 13-0011 EA 175 KW Diesel Generator Set, 3 Phase (Cummins DSHAB).....	49,323.12	2,929.36
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,161.50	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	9,871.10	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	13,161.47	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	8,962.84	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	10,775.19	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	14,366.92	
26 32 13 13-0012 EA 200 KW Diesel Generator Set, 3 Phase (Cummins DSHAC).....	52,753.15	3,208.84
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,161.50	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	9,871.10	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	13,161.47	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	8,962.84	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	10,775.19	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	14,366.92	
26 32 13 13-0013 EA 230 KW Diesel Generator Set, 3 Phase (Cummins DSHAD).....	57,149.59	3,389.98
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,161.50	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	9,871.10	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	13,161.47	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	8,962.84	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	10,775.19	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	14,366.92	
26 32 13 13-0014 EA 250 KW Diesel Generator Set, 3 Phase (Cummins DQDAA).....	59,715.28	3,529.73
For Weather Resistant Steel Diesel Generator Enclosure, Add	26,988.36	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	29,883.95	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	39,845.26	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	32,732.83	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	36,529.30	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	48,705.73	
26 32 13 13-0015 EA 275 KW Diesel Generator Set, 3 Phase (Cummins DQHAA).....	65,070.06	3,721.22
For Weather Resistant Steel Diesel Generator Enclosure, Add	26,988.36	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	29,883.95	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	39,845.26	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	32,732.83	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	36,529.30	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	48,705.73	
26 32 13 13-0016 EA 300 KW Diesel Generator Set, 3 Phase (Cummins DQHAB).....	66,411.66	3,886.84
For Weather Resistant Steel Diesel Generator Enclosure, Add	26,988.36	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	29,883.95	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	39,845.26	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	32,732.83	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	36,529.30	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	48,705.73	
26 32 13 13-0017 EA 350 KW Diesel Generator Set, 3 Phase (Cummins DFEG).....	75,473.07	4,347.46
For Weather Resistant Steel Diesel Generator Enclosure, Add	26,988.36	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	29,883.95	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	39,845.26	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	32,732.83	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	36,529.30	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	48,705.73	

26 Electrical
26 30 Facility Electrical Power Generating And Storing Equipment
26 32 Packaged Generator Assemblies



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0018 EA 400 KW Diesel Generator Set, 3 Phase (Cummins DFEH)	81,642.16	4,761.50
For Weather Resistant Steel Diesel Generator Enclosure, Add	26,988.36	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	29,883.95	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	39,845.26	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	32,732.83	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	36,529.30	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	48,705.73	
26 32 13 13-0019 EA 450 KW Diesel Generator Set, 3 Phase (Cummins DFEJ)	92,627.52	5,128.97
For Weather Resistant Steel Diesel Generator Enclosure, Add	26,988.36	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	29,883.95	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	39,845.26	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	32,732.83	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	36,529.30	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	48,705.73	
26 32 13 13-0020 EA 500 KW Diesel Generator Set, 3 Phase (Cummins DFEK)	97,792.02	5,465.38
For Weather Resistant Steel Diesel Generator Enclosure, Add	26,988.36	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	29,883.95	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	39,845.26	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	32,732.83	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	36,529.30	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	48,705.73	
26 32 13 13-0021 EA 600 KW Diesel Generator Set, 3 Phase (Cummins DQCA)	142,333.17	6,019.17
For Weather Resistant Steel Diesel Generator Enclosure, Add	55,132.27	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	66,392.13	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	88,522.84	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	64,846.29	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	77,345.83	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	103,127.78	
26 32 13 13-0022 EA 750 KW Diesel Generator Set, 3 Phase (Cummins DQCB)	162,907.07	6,619.53
For Weather Resistant Steel Diesel Generator Enclosure, Add	55,132.27	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	66,392.13	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	88,522.84	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	64,846.29	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	77,345.83	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	103,127.78	
26 32 13 13-0023 EA 800 KW Diesel Generator Set, 3 Phase (Cummins DQCC)	170,073.65	6,764.44
For Weather Resistant Steel Diesel Generator Enclosure, Add	55,132.27	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	66,392.13	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	88,522.84	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	64,846.29	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	77,345.83	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	103,127.78	
26 32 13 13-0024 EA 900 KW Diesel Generator Set, 3 Phase (Cummins DQFAC)	207,206.19	7,292.35
For Weather Resistant Steel Diesel Generator Enclosure, Add	55,132.27	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	66,392.13	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	88,522.84	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	64,846.29	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	77,345.83	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	103,127.78	
26 32 13 13-0025 EA 1,000 KW Diesel Generator Set, 3 Phase (Cummins DQFAD)	230,935.59	7,763.32
For Weather Resistant Steel Diesel Generator Enclosure, Add	55,132.27	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	66,392.13	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	88,522.84	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	64,846.29	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	77,345.83	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	103,127.78	

26 32 13 19 Natural Gas-Engine-Driven Generator Sets (26 32 13)

26 32 13 19-0001	Natural Gas Or Propane Generator Sets (26 32 13 19) Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes manufacturer's representative at startup. Excludes fuel tank, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0699 for loadbank rental, 26 36 23 00-0000 for automatic transfer switches.		
26 32 13 19-0002 EA 20 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMA)	10,704.99	693.53	
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,495.37		
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	6,456.28		
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	8,608.38		
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	2,702.67		
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	4,483.99		
26 32 13 19-0003 EA 25 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMB)	12,079.70	828.09	
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,495.37		
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	6,456.28		
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	8,608.38		
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	2,702.67		
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	4,483.99		
26 32 13 19-0004 EA 29 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMC)	13,905.45	921.24	
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,495.37		
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	6,456.28		
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	8,608.38		
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	2,702.67		
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	4,483.99		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0005 EA 35 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPA) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	15,742.72 2,495.37 6,456.28 8,608.38 7,644.78 12,831.31	1,019.58
26 32 13 19-0006 EA 40 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPB) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	17,638.00 2,495.37 6,456.28 8,608.38 7,644.78 12,831.31	1,117.92
26 32 13 19-0007 EA 45 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPC) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	19,098.29 2,495.37 6,456.28 8,608.38 7,644.78 12,831.31	1,205.91
26 32 13 19-0008 EA 60 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHE) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	20,920.86 2,495.37 6,456.28 8,608.38 7,644.78 12,831.31	1,475.03
26 32 13 19-0009 EA 70 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHF) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	22,454.12 2,495.37 6,456.28 8,608.38 7,644.78 12,831.31	1,651.00
26 32 13 19-0010 EA 85 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHG) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	29,301.10 4,547.96 9,871.10 13,161.47 8,962.84 12,831.31	1,764.86
26 32 13 19-0011 EA 100 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHH) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	35,229.10 4,547.96 9,871.10 13,161.47 8,962.84 12,831.31	1,987.41
26 32 13 19-0012 EA 125 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLA) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	40,397.51 4,547.96 9,871.10 13,161.47 8,962.84 12,831.31	2,380.76
26 32 13 19-0013 EA 150 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLB) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	47,911.65 4,547.96 9,871.10 13,161.47 8,962.84 12,831.31	2,624.01
26 32 13 19-0014 EA 175 KW Natural Gas Generator Set, 3 Phase (Cummins GFBA) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	76,982.94 24,270.33 26,866.47 35,821.96 26,536.63 39,820.95	6,979.64
26 32 13 19-0015 EA 205 KW Natural Gas Generator Set, 3 Phase (Cummins GFBB) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	87,313.07 24,270.33 26,866.47 35,821.96 26,536.63 39,820.95	3,151.91
26 32 13 19-0016 EA 250 KW Natural Gas Generator Set, 3 Phase (Cummins GFBC) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	93,912.23 24,270.33 26,866.47 35,821.96 26,536.63 39,820.95	3,529.73
26 32 13 19-0017 EA 300 KW Natural Gas Generator Set, 3 Phase (Cummins GFEB) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	121,193.68 24,270.33 26,866.47 35,821.96 26,536.63 39,820.95	3,886.84
26 32 13 19-0018 EA 350 KW Natural Gas Generator Set, 3 Phase (Cummins GFEB) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	130,118.65 24,270.33 26,866.47 35,821.96 26,536.63 39,820.95	4,347.46

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 32 Packaged Generator Assemblies**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0019 EA 450 KW Natural Gas Generator Set, 3 Phase (Cummins GFGA).....	182,436.17	5,128.97
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	52,995.21	
For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	56,307.01	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	75,076.01	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	60,193.38	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	85,074.12	
26 32 13 19-0020 EA 500 KW Natural Gas Generator Set, 3 Phase (Cummins GFJB).....	233,092.78	5,465.38
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	52,995.21	
For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	56,307.01	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	75,076.01	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	60,193.38	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	85,074.12	
26 32 13 19-0021 EA 550 KW Natural Gas Generator Set, 3 Phase (Cummins GFJC).....	260,679.82	5,760.38
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	52,995.21	
For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	56,307.01	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	75,076.01	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	60,193.38	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	85,074.12	
26 32 13 19-0022 EA 600 KW Natural Gas Generator Set, 3 Phase (Cummins GFLA).....	296,719.39	6,019.17
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	52,995.21	
For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	56,307.01	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	75,076.01	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	60,193.38	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	85,074.12	
26 32 13 19-0023 EA 650 KW Natural Gas Generator Set, 3 Phase (Cummins GFLB).....	310,220.60	6,246.88
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	52,995.21	
For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	56,307.01	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	75,076.01	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	60,193.38	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	85,074.12	
26 32 13 19-0024 EA 725 KW Natural Gas Generator Set, 3 Phase (Cummins GFLC).....	328,122.22	6,676.46
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	52,995.21	
For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	56,307.01	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	75,076.01	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	60,193.38	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	85,074.12	
26 32 13 19-0025 Small Natural Gas Or Propane Air Cooled Generator Sets (26 32 13 19)		
26 32 13 19-0026 EA 7.5 KW Natural Gas Or Propane Air Cooled Generator Set.....	3,611.49	445.09
Note: Includes weatherproof composite enclosure and 100 A automatic transfer switch.		
26 32 13 19-0027 EA 10 KW Natural Gas Or Propane Air Cooled Generator Set.....	4,540.16	494.53
Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.		
26 32 13 19-0028 EA 14 KW Natural Gas Or Propane Air Cooled Generator Set.....	5,158.87	507.97
Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.		
26 32 13 26 AC To DC Electrical Conversion (26 32 13)		
26 32 13 26-0001 60 Hz AC Input 230 Or 460 Volts, 125 Volt DC Output (26 32 13 26)		
26 32 13 26-0002 EA 3 KW, 24 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	5,532.19	193.00
26 32 13 26-0003 EA 5 KW, 40 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	6,715.95	193.00
26 32 13 26-0004 EA 7.5 KW, 60 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	8,863.07	193.00
26 32 13 26-0005 EA 10 KW, 80 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	8,931.97	193.00
26 32 13 26-0006 EA 15 KW, 120 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	9,929.52	241.25
26 32 13 26-0007 EA 20 KW, 160 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	10,742.87	241.25
26 32 13 26-0008 EA 25 KW, 200 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	11,243.03	241.25
26 32 13 26-0009 EA 40 KW, 320 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	13,706.03	318.45
26 32 13 26-0010 EA 50 KW, 400 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	15,213.90	318.45
26 32 13 26-0011 60 Hz AC Input, 230 Or 460 Volts, 250 Volts DC Output (26 32 13 26)		
26 32 13 26-0012 EA 3 KW, 12 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	6,389.17	193.00
26 32 13 26-0013 EA 5 KW, 20 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	7,598.90	193.00
26 32 13 26-0014 EA 7.5 KW, 30 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	8,676.61	193.00
26 32 13 26-0015 EA 10 KW, 40 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	8,914.49	193.00
26 32 13 26-0016 EA 15 KW, 60 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	10,109.49	241.25
26 32 13 26-0017 EA 20 KW, 80 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	11,105.14	241.25
26 32 13 26-0018 EA 25 KW, 100 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	11,467.41	241.25
26 32 13 26-0019 EA 40 KW, 160 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	13,652.27	318.45
26 32 13 26-0020 EA 50 KW, 200 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	14,472.63	318.45
26 32 29 Rotary Converters (26 32)		
26 32 29 00-0001 460 Volt 3 Phase AC Motor Drive 250 Volt DC (26 32 29)		
26 32 29 00-0002 EA 33 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....	17,596.68	3,622.89
26 32 29 00-0003 EA 40 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....	19,667.44	3,622.89
26 32 29 00-0004 EA 50 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....	22,447.45	5,175.55
26 32 29 00-0005 EA 65 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....	26,008.24	5,175.55
26 32 29 00-0006 EA 85 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....	29,367.84	5,175.55
26 32 29 00-0007 EA 100 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....	34,714.93	7,763.32
26 32 29 00-0008 EA 125 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....	42,350.72	7,763.32



Electrical	26
Facility Electrical Power Generating And Storing Equipment	26 30
Packaged Generator Assemblies	26 32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 29 00-0009 4,160 Volt 3 Phase AC Motor Drive 250 Or 500 Volt DC <small>(26 32 29)</small>		
26 32 29 00-0010 EA 170 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	60,294.46	10,351.09
26 32 29 00-0011 EA 200 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	65,765.75	10,351.09
26 32 29 00-0012 EA 240 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	79,030.24	13,456.42
26 32 29 00-0013 EA 320 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	89,957.38	16,354.73
26 32 29 00-0014 EA 400 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	106,242.75	16,354.73
26 32 29 00-0015 EA 560 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	150,274.52	24,428.58
26 32 29 00-0016 EA 640 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	156,092.16	24,428.58
26 32 29 00-0017 EA 800 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	179,309.62	28,465.51
 26 33 Battery Equipment <small>(26 33)</small>		
26 33 13 Batteries <small>(26 33)</small>		
26 33 13 00-0001 Standby Batteries <small>(26 33 13)</small>		
26 33 13 00-0002 EA 12 Volt, 100 Amp Hours To 10.5 Volts Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery.....	677.79	24.16
26 33 13 00-0003 EA 12 Volt, 100 Amp Hours To 10.5 Volts Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery With Steel Jacket.....	731.13	24.16
26 33 13 00-0004 EA 725CCA, Group 31, 12 Volt Lead Calcium Standby Battery.....	223.21	24.16
26 33 13 00-0005 EA 810CCA, Group 24, 12 Volt Lead Calcium Standby Battery.....	203.98	24.16
26 33 13 00-0006 EA 1080CCA, Group 4D, 12 Volt Lead Calcium Standby Battery	341.13	24.16
26 33 13 00-0007 EA 1400CCA, Group 8D, 12 Volt Lead Calcium Standby Battery	394.28	24.16
 26 33 43 Battery Chargers <small>(26 33)</small>		
26 33 43 00-0001 Solid State Chargers, Single Phase <small>(26 33 43)</small>		
Note: Includes wall bracket, 10' of DC charging cable and standard connector, 208/240/480 V.		
26 33 43 00-0002 EA Solid State Battery Charger, 6 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	2,179.22	551.40
26 33 43 00-0003 EA Solid State Battery Charger, 9 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	2,519.56	551.40
26 33 43 00-0004 EA Solid State Battery Charger, 12 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	2,769.45	551.40
26 33 43 00-0005 EA Solid State Battery Charger, 18 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	2,942.41	652.85
 26 33 53 Static Uninterruptible Power Supply <small>(26 33)</small>		
26 33 53 00-0001 Single Phase, Uninterruptible Power Supply Systems (UPS) <small>(26 33 53)</small>		
26 33 53 00-0002 Single Phase, Uninterruptible Power Supply Systems (UPS) <small>(26 33 53 00-0001)</small>		
26 33 53 00-0003 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) <small>(26 33 53 00-0002)</small>		
Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0004 EA 0.5 kVA, 450 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-500RT120)	919.71	95.53
Note: Includes 12 minutes of battery backup at full load.		
26 33 53 00-0005 EA 0.7 kVA, 630 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT120)	1,098.56	111.46
Note: Includes 6 minutes of battery backup at full load.		
26 33 53 00-0006 EA 1 kVA, 900 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT120)	1,353.95	127.38
Note: Includes 5 minutes of battery backup at full load.		
26 33 53 00-0007 EA 1.5 KVA, 1,350 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT120).....	1,653.83	143.31
Note: Includes 5 minutes of battery backup at full load.		
26 33 53 00-0008 EA 2 KVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT120)	2,121.92	159.23
Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0009 EA 3 KVA, 2,700 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT120)	3,513.22	222.92
Note: Includes 4 minutes of battery backup at full load.		
 26 33 53 00-0010 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) <small>(26 33 53 00-0002)</small>		
Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0011 EA 3 KVA, 2,700 Watt, 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT208)	3,450.36	222.92
Note: Includes 4 minutes of battery backup at full load.		
 26 33 53 00-0012 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) <small>(26 33 53 00-0002)</small>		
Note: Rack mount or tower configuration. Includes 50 or 60 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0013 EA 5 KVA, 4,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT208)	5,173.21	254.76
Note: Includes 5 minutes of battery backup at full load.		

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 33 Battery Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0014 EA 6 KVA, 4,800 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT208).....	5,657.40	286.61
Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0015 EA 8 KVA, 7,200 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-8000RT208).....	8,458.54	350.30
Note: Includes 7 minutes of battery backup at full load.		
26 33 53 00-0016 EA 10 KVA, 9,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT208).....	9,722.95	382.14
Note: Includes 4-1/2 minutes of battery backup at full load.		
26 33 53 00-0017 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0002)		
Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0018 EA 0.7 KVA, 630 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT230).....	1,098.56	111.46
Note: Includes 11 minutes of battery backup at full load.		
26 33 53 00-0019 EA 1 KVA, 900 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT230).....	1,353.95	127.38
Note: Includes 6 minutes of battery backup at full load.		
26 33 53 00-0020 EA 1.5 KVA, 1,350 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT230).....	1,672.40	143.31
Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0021 EA 2 KVA, 1,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT230).....	2,126.40	159.23
Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0022 EA 3 KVA, 2,700 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT230).....	3,527.18	222.92
Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0023 EA 5 KVA, 4,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT230).....	4,963.27	254.76
Note: Includes 9 minutes of battery backup at full load.		
26 33 53 00-0024 EA 6 KVA, 4,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT230).....	6,093.88	286.61
Note: Includes 6 minutes of battery backup at full load.		
26 33 53 00-0025 EA 10 KVA, 9,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT230).....	9,422.84	382.14
Note: Includes 3 minutes of battery backup at full load.		
26 33 53 00-0026 Optional Accessories For Single Phase, Uninterruptible Power Supply Systems (26 33 53 00-0001)		
26 33 53 00-0027 EA External Battery Cabinet For 0.5 To 2 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-48VBATT).....	609.53	28.95
Note: Rack mount or tower configuration.		
26 33 53 00-0028 EA External Battery Cabinet For 3 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-72VBATT).....	798.37	28.95
Note: Rack mount or tower configuration.		
26 33 53 00-0029 EA External Battery Cabinet For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATT).....	777.35	28.95
Note: Rack mount or tower configuration.		
26 33 53 00-0030 EA External Battery Cabinet For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTVBATT).....	528.18	28.95
Note: Rack mount or tower configuration.		
26 33 53 00-0031 EA Replacement Internal Battery For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATKIT).....	781.58	95.53
26 33 53 00-0032 EA Replacement Internal Battery For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTBKIT).....	878.07	127.38
26 33 53 00-0033 Three Phase, Uninterruptible Power Supply Systems (UPS) (26 33 53)		
26 33 53 00-0034 208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) With Internal Battery (Emerson) (26 33 53 00-0033)		
Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.		
26 33 53 00-0035 EA 10 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	23,427.08	382.14
26 33 53 00-0036 EA 15 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	26,018.48	509.53
26 33 53 00-0037 EA 20 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	29,147.77	636.91
26 33 53 00-0038 EA 30 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	31,685.38	764.29
26 33 53 00-0039 EA 40 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	38,095.86	891.67
26 33 53 00-0040 208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery (Emerson) (26 33 53 00-0033)		
Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0041	EA	60 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	51,892.94	1,519.90
26 33 53 00-0042	EA	80 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	56,758.89	1,881.79
26 33 53 00-0043	EA	100 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	62,887.76	2,195.41
26 33 53 00-0044	EA	120 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	77,301.87	2,484.92
26 33 53 00-0045	EA	140 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	80,472.28	2,774.42
26 33 53 00-0046	EA	160 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	83,581.01	3,063.93
26 33 53 00-0047	EA	180 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	87,335.24	3,353.44
26 33 53 00-0048	EA	200 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	91,089.47	3,642.94
26 33 53 00-0049		480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery (Emerson) ^(26 33 53 00-0033)		
		Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		
26 33 53 00-0050	EA	50 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	48,374.06	1,254.52
26 33 53 00-0051	EA	100 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	63,210.50	2,205.07
26 33 53 00-0052	EA	150 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	85,930.80	2,547.65
26 33 53 00-0053	EA	200 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	100,936.61	2,798.55
26 33 53 00-0054	EA	250 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	117,771.27	3,088.06
26 33 53 00-0055		Optional Accessories For Three Phase, Uninterruptible Power Supply Systems ^(26 33 53 00-0033)		
26 33 53 00-0056	EA	Programmable Relay Board For Three Phase Uninterruptible Power Supply Systems.....	543.77	48.25
26 33 53 00-0057	EA	Network Interface Card For Three Phase Uninterruptible Power Supply Systems.....	875.10	48.25
26 33 53 00-0058	EA	Remote Status Panel With 100' Of Cable For Three Phase Uninterruptible Power Supply Systems.....	1,680.24	96.51
26 33 53 00-0059	EA	Slim Line Distribution Panel With Two 42 Pole Panels For Three Phase Uninterruptible Power Supply Systems.....	5,229.82	386.00
26 33 53 00-0060	EA	12 Volt, 491 Watts, 3 Phase, 134 Amp Hours, Battery For Uninterruptible Power Supply Systems (C&D UPS12-490MR).....	357.91	48.25
26 33 53 00-0061	EA	12 Volt, 204 Watts, 3 Phase, 55 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX200).....	198.51	48.25
26 33 53 00-0062	EA	12 Volt, 257 Watts, 3 Phase, 65 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX250).....	221.77	48.25
26 33 53 00-0063	EA	12 Volt, 311 Watts, 3 Phase, 75 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX300).....	245.03	48.25
26 33 53 00-0064	EA	12 Volt, 374 Watts, 3 Phase, 90 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX350).....	286.90	48.25
26 33 53 00-0065	EA	12 Volt, 415 Watts, 3 Phase, 100 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX400).....	300.85	48.25
26 33 53 00-0066	EA	12 Volt, 493 Watts, 3 Phase, 135 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX500).....	372.96	48.25
26 33 53 00-0067	EA	12 Volt, 540 Watts, 3 Phase, 150 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX540).....	390.41	48.25
26 33 53 00-0068		Other Uninterruptable Power Supply Equipment ^(26 33 53)		
26 33 53 00-0069	EA	Uninterrupted Power Supply Slim-Line Distribution Panel 42 Pole GE Plug-In.....	3,488.42	88.22
26 33 53 00-0070	EA	Uninterrupted Power Supply Slim-Line Distribution Panel 84 Pole GE Plug-In.....	4,235.89	176.45
26 33 53 00-0071	EA	GE Plug-In Breakers 1 Pole 15- 60A For UPS Distribution Panel.....	20.86	5.29
26 33 53 00-0072	EA	GE Plug-In Breakers 2 Pole 15- 40A For UPS Distribution Panel.....	36.07	6.61
26 33 53 00-0073	EA	GE Plug-In Breakers 2 Pole 50- 80A For UPS Distribution Panel.....	64.62	6.61
26 33 53 00-0074	EA	GE Plug-In Breakers 3 Pole 15- 60A For UPS Distribution Panel.....	94.17	8.82
26 33 53 00-0075	EA	GE Plug-In Breakers 3 Pole 70- 100A For UPS Distribution Panel.....	131.86	8.82
26 33 53 00-0076	EA	Uninterrupted Power Supply Remote Status Panel.....	2,403.47	88.22
26 33 53 00-0077	EA	Uninterrupted Power Supply Remote Contact Board.....	817.56	66.17
26 35		Power Filters And Conditioners ^(26 30)		
26 35 33		Power Factor Correction Equipment ^(26 35)		
26 35 33 00-0001		Power Factor Correction Capacitors ^(26 35 33)		
26 35 33 00-0002	EA	Power Factor Correction Capacitors, 2.0 KVAC.....	578.13	
26 35 33 00-0003	EA	Power Factor Correction Capacitors, 3.0 KVAC.....	640.30	
26 35 33 00-0004	EA	Power Factor Correction Capacitors, 4.0 KVAC.....	702.46	
26 35 33 00-0005	EA	Power Factor Correction Capacitors, 5.0 KVAC.....	762.14	
26 35 33 00-0006	EA	Power Factor Correction Capacitors, 7.5 KVAC.....	936.20	
26 35 33 00-0007	EA	Power Factor Correction Capacitors, 10.0 KVAC.....	1,143.83	
26 35 33 00-0008	EA	Power Factor Correction Capacitors, 15.0 KVAC.....	1,766.73	

26 Electrical
26 30 Facility Electrical Power Generating And Storing Equipment
26 35 Power Filters And Conditioners



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 35 33 00-0009	EA		Power Factor Correction Capacitors, 20.0 KVAC	2,145.93	
26 35 33 00-0010	EA		Power Factor Correction Capacitors, 25.0 KVAC	2,772.56	
26 35 33 00-0011	EA		Power Factor Correction Capacitors, 30.0 KVAC	3,153.01	
26 35 33 00-0012	EA		Power Factor Correction Capacitors, 50.0 KVAC	5,532.68	
26 35 33 00-0013	EA		Power Factor Correction Capacitors, 75.0 KVAC	8,318.91	
26 35 33 00-0014	EA		Power Factor Correction Capacitors, 100.0 KVAC	11,092.71	
26 35 33 00-0015	EA		Power Factor Correction Capacitors, Fuse Kit.....	514.73	

26 35 43 Static-Frequency Converters (26 35)

26 35 43 00-0001 Rotary Phase Converter With NEMA 1 Indoor Enclosure (26 35 43)

26 35 43 00-0002	EA	750 Watt Output Rotary Phase Converter With NEMA 1 Enclosure	450.21	96.51
26 35 43 00-0003	EA	2 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	764.09	115.80
26 35 43 00-0004	EA	3 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	878.83	154.41
26 35 43 00-0005	EA	5 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	1,200.26	193.00
26 35 43 00-0006	EA	7 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	1,644.50	250.90
26 35 43 00-0007	EA	11 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	2,116.12	308.80
26 35 43 00-0008	EA	15 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	2,642.47	366.70
26 35 43 00-0009	EA	21 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	3,204.27	414.96
26 35 43 00-0010	EA	29 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	3,733.78	501.80
26 35 43 00-0011	EA	36 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	4,269.78	564.54
26 35 43 00-0012	EA	44 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	4,805.78	627.27
26 35 43 00-0013	EA	55 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	5,955.85	757.54
26 35 43 00-0014	EA	74 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	7,701.60	911.94
26 35 43 00-0015	EA	87 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	9,739.45	1,109.77
26 35 43 00-0016	EA	110 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	11,155.86	1,297.94
26 35 43 00-0017	EA	125 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	14,246.77	1,447.52
26 35 43 00-0018	EA	165 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	21,475.29	1,640.53
26 35 43 00-0019	EA	220 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	31,714.50	1,833.53

26 35 53 Voltage Regulators (26 35)

26 35 53 00-0001 Voltage Regulators, 480/277 Or 208/120 Volt, 3 Phase (26 35 53)

Note: For diesel motor generator sets mounted in switchgear cabinet.

26 35 53 00-0002	EA	50 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	4,928.04	1,534.38
26 35 53 00-0003	EA	75 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	5,726.51	1,930.03
26 35 53 00-0004	EA	100 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	6,461.76	2,296.74

26 36 Transfer Switches (26 36)

26 36 13 Manual Transfer Switches (26 36)

26 36 13 00-0001 Fused Manual Transfer Switches (26 36 13)

26 36 13 00-0002	EA	30 Amp Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,256.12	168.87
26 36 13 00-0003	EA	60 Amp Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,457.05	209.79

26 36 13 00-0004 Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 13)

26 36 13 00-0005	EA	40 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT40).....	2,222.08	247.27
		For NEMA 3R Enclosure, Add	679.83	
		For NEMA 12 Enclosure, Add	639.84	
26 36 13 00-0006	EA	70 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT70).....	2,470.58	296.72
		For NEMA 3R Enclosure, Add	679.83	
		For NEMA 12 Enclosure, Add	639.84	
26 36 13 00-0007	EA	125 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT125).....	2,807.79	346.17
		For NEMA 3R Enclosure, Add	679.83	
		For NEMA 12 Enclosure, Add	639.84	
26 36 13 00-0008	EA	150 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT150).....	3,473.29	395.63
		For NEMA 3R Enclosure, Add	799.80	
		For NEMA 12 Enclosure, Add	639.84	
26 36 13 00-0009	EA	225 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT225).....	4,282.19	445.09
		For NEMA 3R Enclosure, Add	799.80	
		For NEMA 12 Enclosure, Add	639.84	
26 36 13 00-0010	EA	260 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT260).....	4,812.26	494.53
		For NEMA 3R Enclosure, Add	799.80	
		For NEMA 12 Enclosure, Add	639.84	
26 36 13 00-0011	EA	300 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT300).....	5,350.39	543.99
		For NEMA 3R Enclosure, Add	943.76	
		For NEMA 12 Enclosure, Add	799.80	
26 36 13 00-0012	EA	400 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT400).....	6,264.68	593.44
		For NEMA 3R Enclosure, Add	943.76	
		For NEMA 12 Enclosure, Add	799.80	
26 36 13 00-0013	EA	600 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT600).....	8,269.14	741.80
		For NEMA 3R Enclosure, Add	943.76	
		For NEMA 12 Enclosure, Add	799.80	
26 36 13 00-0014	EA	800 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT800).....	9,324.04	890.16
		For NEMA 3R Enclosure, Add	1,159.71	
		For NEMA 12 Enclosure, Add	1,119.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 13 00-0015 EA 1,000 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT1000)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	12,432.32 1,159.71 1,119.72	1,242.13
26 36 23 Automatic Transfer Switches (26 36)		
26 36 23 00-0001 Automatic Transfer Switch (26 36 23)		
26 36 23 00-0002 Automatic Transfer Switch, 2 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23) <small>00-0001</small> Note: Programmable, 120/240 volt single phase, 3 wire.		
26 36 23 00-0003 EA 100 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	2,053.59	346.17
26 36 23 00-0004 EA 225 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	2,784.07	445.09
26 36 23 00-0005 EA 400 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	4,382.87	593.44
26 36 23 00-0006 EA 600 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	9,769.49	741.80
26 36 23 00-0007 Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23) <small>00-0001</small>		
26 36 23 00-0008 EA 40 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC40) <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	3,267.70 679.83 719.82 719.82	247.27
26 36 23 00-0009 EA 70 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC70) <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	3,776.49 679.83 719.82 719.82	296.72
26 36 23 00-0010 EA 125 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC125) <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	4,158.44 679.83 719.82 719.82	346.17
26 36 23 00-0011 EA 150 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC150) <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	4,941.48 799.80 1,039.74 719.82	395.63
26 36 23 00-0012 EA 225 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC225) <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	5,640.18 799.80 1,039.74 719.82	445.09
26 36 23 00-0013 EA 260 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC260) <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	6,225.24 799.80 1,039.74 719.82	494.53
26 36 23 00-0014 EA 300 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC300) <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	6,514.06 943.76 1,119.72 799.80	543.99
26 36 23 00-0015 EA 400 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC400) <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	7,359.42 943.76 1,119.72 799.80	593.44
26 36 23 00-0016 EA 600 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC600) <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	10,061.21 943.76 1,119.72 799.80	741.80
26 36 23 00-0017 EA 800 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC800) <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	11,303.09 1,159.71 1,279.69 1,119.72	890.16
26 36 23 00-0018 EA 1,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1000) <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	14,745.73 1,159.71 1,279.69 1,119.72	1,242.13
26 36 23 00-0019 EA 1,200 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1200) <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	19,053.03 2,559.36 1,439.64 1,199.70	1,345.64
26 36 23 00-0020 EA 1,600 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1600) <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	20,350.66 4,158.95 5,118.71 4,158.95	1,552.66
26 36 23 00-0021 EA 2,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC2000) <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	23,263.49 4,158.95 5,118.71 4,158.95	1,759.69
26 36 23 00-0022 EA 3,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC3000) <i>For NEMA 3R Enclosure, Add</i>	28,111.80 4,158.95	2,173.73
26 36 23 00-0023 EA 4,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC4000) <i>For NEMA 3R Enclosure, Add</i>	48,417.29 19,547.05	2,587.77
26 36 23 00-0024 Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23 00-0001)		

26 Electrical

26 30 Facility Electrical Power Generating And Storing Equipment

26 36 Transfer Switches



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0025 EA 150 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC150).....	16,470.03	1,879.23
For NEMA 3R Enclosure, Add	1,399.65	
For NEMA 4 Enclosure, Add	1,439.64	
For NEMA 12 Enclosure, Add	759.82	
26 36 23 00-0026 EA 225 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC225).....	17,197.40	1,978.14
For NEMA 3R Enclosure, Add	1,399.65	
For NEMA 4 Enclosure, Add	1,439.64	
For NEMA 12 Enclosure, Add	759.82	
26 36 23 00-0027 EA 260 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC260).....	18,028.79	2,077.05
For NEMA 3R Enclosure, Add	1,399.65	
For NEMA 4 Enclosure, Add	1,439.64	
For NEMA 12 Enclosure, Add	759.82	
26 36 23 00-0028 EA 300 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC300).....	20,069.91	2,126.50
For NEMA 3R Enclosure, Add	1,399.65	
For NEMA 4 Enclosure, Add	1,439.64	
For NEMA 12 Enclosure, Add	759.82	
26 36 23 00-0029 EA 400 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC400).....	23,087.99	2,175.95
For NEMA 3R Enclosure, Add	1,399.65	
For NEMA 4 Enclosure, Add	1,439.64	
For NEMA 12 Enclosure, Add	759.82	
26 36 23 00-0030 EA 600 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC600).....	27,630.15	2,274.86
For NEMA 3R Enclosure, Add	1,399.65	
For NEMA 4 Enclosure, Add	1,439.64	
For NEMA 12 Enclosure, Add	799.80	
26 36 23 00-0031 EA 800 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC800).....	30,423.30	2,373.77
For NEMA 3R Enclosure, Add	1,439.64	
For NEMA 4 Enclosure, Add	1,439.64	
For NEMA 12 Enclosure, Add	879.78	
26 36 23 00-0032 EA 1,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1000).....	38,169.11	2,769.39
For NEMA 3R Enclosure, Add	1,439.64	
For NEMA 4 Enclosure, Add	1,439.64	
For NEMA 12 Enclosure, Add	879.78	
26 36 23 00-0033 EA 1,200 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1200).....	49,893.92	3,105.33
For NEMA 3R Enclosure, Add	6,398.38	
For NEMA 4 Enclosure, Add	7,997.98	
For NEMA 12 Enclosure, Add	6,398.38	
26 36 23 00-0034 EA 1,600 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1600).....	64,894.51	3,312.35
For NEMA 3R Enclosure, Add	13,596.56	
For NEMA 4 Enclosure, Add	13,596.56	
For NEMA 12 Enclosure, Add	12,668.80	
26 36 23 00-0035 EA 2,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC2000).....	73,648.06	3,622.89
For NEMA 3R Enclosure, Add	13,596.56	
For NEMA 4 Enclosure, Add	13,596.56	
For NEMA 12 Enclosure, Add	12,668.80	
26 36 23 00-0036 EA 3,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC3000).....	117,342.75	4,140.44
For NEMA 3R Enclosure, Add	16,795.74	
26 36 23 00-0037 EA 4,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC4000).....	126,709.89	4,657.99
For NEMA 3R Enclosure, Add	16,795.74	
26 36 23 00-0038 Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure <small>(26 36 23 00-0001)</small>		
26 36 23 00-0039 EA 40 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE40).....	5,285.61	247.27
For NEMA 3R Enclosure, Add	399.90	
For NEMA 12 Enclosure, Add	719.82	
26 36 23 00-0040 EA 70 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE70).....	5,724.76	296.72
For NEMA 3R Enclosure, Add	399.90	
For NEMA 12 Enclosure, Add	719.82	
26 36 23 00-0041 EA 125 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE125).....	6,163.16	346.17
For NEMA 3R Enclosure, Add	399.90	
For NEMA 12 Enclosure, Add	719.82	
26 36 23 00-0042 EA 150 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE150).....	7,395.68	395.63
For Four Pole Circuit Breaker, Add	1,999.49	
For NEMA 3R Enclosure, Add	399.90	
For NEMA 12 Enclosure, Add	719.82	
26 36 23 00-0043 EA 225 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE225).....	9,609.28	445.09
For Four Pole Circuit Breaker, Add	1,999.49	
For NEMA 3R Enclosure, Add	399.90	
For NEMA 12 Enclosure, Add	719.82	
26 36 23 00-0044 EA 250 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE250).....	10,236.87	494.53
For Four Pole Circuit Breaker, Add	1,999.49	
For NEMA 3R Enclosure, Add	399.90	
For NEMA 12 Enclosure, Add	719.82	
26 36 23 00-0045 EA 300 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE300).....	10,654.75	543.99
For Four Pole Circuit Breaker, Add	2,719.31	
For NEMA 3R Enclosure, Add	1,039.74	
For NEMA 12 Enclosure, Add	799.80	



Electrical	26
Facility Electrical Power Generating And Storing Equipment	26 30
Transfer Switches	26 36

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0046	EA		400 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE400).....	12,050.78	593.44
			<i>For Four Pole Circuit Breaker, Add</i>	2,719.31	
			<i>For NEMA 3R Enclosure, Add</i>	1,039.74	
			<i>For NEMA 12 Enclosure, Add</i>	799.80	
26 36 23 00-0047	EA		600 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE600).....	14,628.65	741.80
			<i>For Four Pole Circuit Breaker, Add</i>	2,719.31	
			<i>For NEMA 3R Enclosure, Add</i>	1,039.74	
			<i>For NEMA 12 Enclosure, Add</i>	799.80	
26 36 23 00-0048	EA		800 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE800).....	15,274.39	890.16
			<i>For Four Pole Circuit Breaker, Add</i>	3,879.02	
			<i>For NEMA 3R Enclosure, Add</i>	1,791.55	
			<i>For NEMA 12 Enclosure, Add</i>	1,119.72	
26 36 23 00-0049	EA		1,000 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE1000).....	18,177.36	1,242.13
			<i>For Four Pole Circuit Breaker, Add</i>	3,879.02	
			<i>For NEMA 3R Enclosure, Add</i>	1,791.55	
			<i>For NEMA 12 Enclosure, Add</i>	1,119.72	
26 36 23 00-0050			Accessories (26 36 23)		
26 36 23 00-0051	EA		Auxiliary Contacts For Automatic Transfer Switch	185.56	
26 36 23 00-0052	EA		Battery Charger For Automatic Transfer Switch	1,519.62	
26 36 23 00-0053	EA		Elevator Relay Signal For Automatic Transfer Switch	551.86	
26 40 Electrical And Cathodic Protection (26)					
26 41 Facility Lightning Protection (26 40)					
26 41 13 Lightning Protection For Structures (26 41)					
26 41 13 00-0001			Lightning Protection (26 41 13)		
26 41 13 00-0002			Air Terminals For Lightning Protection (26 41 13 00-0001)		
26 41 13 00-0003			Copper Lightning Protection Air Terminals (26 41 13 00-0002)		
26 41 13 00-0004	EA		3/8" x 10" Copper Lightning Protection Air Terminal	52.08	9.65
26 41 13 00-0005	EA		1/2" x 12" Copper Lightning Protection Air Terminal	64.87	9.65
26 41 13 00-0006	EA		5/8" x 12" Copper Lightning Protection Air Terminal	84.03	9.65
26 41 13 00-0007	EA		1/2" x 24" Copper Lightning Protection Air Terminal	93.49	9.65
26 41 13 00-0008	EA		1/2" x 60" Copper Lightning Protection Air Terminal	180.60	19.30
26 41 13 00-0009			Aluminum Lightning Protection Air Terminals (26 41 13 00-0002)		
26 41 13 00-0010	EA		3/8" x 10" Aluminum Lightning Protection Air Terminal	47.48	9.65
26 41 13 00-0011	EA		1/2" x 12" Aluminum Lightning Protection Air Terminal	60.79	9.65
26 41 13 00-0012	EA		5/8" x 12" Aluminum Lightning Protection Air Terminal	76.32	9.65
26 41 13 00-0013	EA		1/2" x 24" Aluminum Lightning Protection Air Terminal	84.98	9.65
26 41 13 00-0014	EA		1/2" x 60" Aluminum Lightning Protection Air Terminal	163.05	19.30
26 41 13 00-0015			Terminal Bases For Lightning Protection (26 41 13 00-0001)		
26 41 13 00-0016			Copper Lightning Protection Terminal Bases (26 41 13 00-0015)		
26 41 13 00-0017	EA		Adhesive Base For Copper Lightning Protection Terminal	73.56	28.95
26 41 13 00-0018	EA		Bolted Base For Copper Lightning Protection Terminal	98.59	38.60
26 41 13 00-0019	EA		Hinged Base For Copper Lightning Protection Terminal	132.25	48.25
26 41 13 00-0020	EA		Side Mounted Base For Copper Lightning Protection Terminal	98.59	38.60
26 41 13 00-0021	EA		Offset Point Support For Copper Lightning Protection Terminal	104.65	38.60
26 41 13 00-0022	EA		Concealed Base Assembly For Copper Lightning Protection Terminal	186.55	77.20
26 41 13 00-0023	EA		36" Tripod Base For 60" Copper Lightning Protection Terminal	130.66	48.25
26 41 13 00-0024	EA		Intermediate Base For Copper Lightning Protection Terminal	73.56	28.95
26 41 13 00-0025			Aluminum Lightning Protection Terminal Bases (26 41 13 00-0015)		
26 41 13 00-0026	EA		Adhesive Base For Aluminum Lightning Protection Terminal	68.95	28.95
26 41 13 00-0027	EA		Bolted Base For Aluminum Lightning Protection Terminal	96.96	38.60
26 41 13 00-0028	EA		Hinged Base For Aluminum Lightning Protection Terminal	128.68	48.25
26 41 13 00-0029	EA		Side Mounted Base For Aluminum Lightning Protection Terminal	97.21	38.60
26 41 13 00-0030	EA		Offset Point Support For Aluminum Lightning Protection Terminal	100.81	38.60
26 41 13 00-0031	EA		Concealed Base Assembly For Aluminum Lightning Protection Terminal	184.16	77.20
26 41 13 00-0032	EA		36" Tripod Base For 60" Aluminum Lightning Protection Terminal	129.20	48.25
26 41 13 00-0033	EA		Intermediate Base For Aluminum Lightning Protection Terminal	68.95	28.95
26 41 13 00-0034			Connectors (26 41 13 00-0001)		
26 41 13 00-0035			Copper Cable Connectors (26 41 13 00-0034)		
26 41 13 00-0036	EA		Thru Wall Cable Connector For Copper Lightning Protection System	148.29	48.25

26	Electrical
26 40	Electrical And Cathodic Protection
26 41	Facility Lightning Protection



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 41 13 00-0037 EA Thru Roof Adapter Assembly For Copper Lightning Protection System	202.93	77.20
26 41 13 00-0038 EA Beam Connector For Copper Lightning Protection System	133.35	48.25
26 41 13 00-0039 EA Double Bolt Cable Connector For Copper Lightning Protection System	31.62	9.65
26 41 13 00-0040 EA Cable To Bar Connector For Copper Lightning Protection System	32.30	9.65
26 41 13 00-0041 EA Tee Connector For Copper Lightning Protection Terminal	98.43	28.95
26 41 13 00-0042 Aluminum Cable Connectors (26 41 13 00-0034)		
26 41 13 00-0043 EA Thru Wall Cable Connector For Aluminum Lightning Protection System	139.73	48.25
26 41 13 00-0044 EA Thru Roof Adapter Assembly For Aluminum Lightning Protection System	198.92	77.20
26 41 13 00-0045 EA Beam Connector For Aluminum Lightning Protection System	132.02	48.25
26 41 13 00-0046 EA Double Bolt Cable Connector For Aluminum Lightning Protection System	30.47	9.65
26 41 13 00-0047 EA Tee Connector For Aluminum Lightning Protection Terminal	90.31	28.95
26 41 13 00-0048 Bonding Plates (26 41 13 00-0001)		
26 41 13 00-0049 Copper Bonding Plates (26 41 13 00-0048)		
26 41 13 00-0050 EA 8" Square I Beam Bonding Plate For Copper Lightning Protection System	118.91	48.25
26 41 13 00-0051 EA 8" Square Purlin Bonding Plate For Copper Lightning Protection System	122.61	48.25
26 41 13 00-0052 EA 16" Square Bonding Plate For Copper Lightning Protection System	180.62	77.20
26 41 13 00-0053 Aluminum Bonding Plates (26 41 13 00-0048)		
26 41 13 00-0054 EA 8" Square I Beam Bonding Plate For Aluminum Lightning Protection System	115.33	48.25
26 41 13 00-0055 EA 8" Square Purlin Bonding Plate For Aluminum Lightning Protection System	119.44	48.25
26 41 13 00-0056 EA 16" Square Bonding Plate For Aluminum Lightning Protection System	173.63	77.20
26 41 13 00-0057 Cable Supports (26 41 13 00-0001)		
26 41 13 00-0058 Copper Cable Supports (26 41 13 00-0057)		
26 41 13 00-0059 EA Cable Supports For Copper Lightning Protection System	21.11	9.65
26 41 13 00-0060 EA Adhesive Cable Supports For Copper Lightning Protection System	22.27	9.65
26 41 13 00-0061 Aluminum Cable Supports (26 41 13 00-0057)		
26 41 13 00-0062 EA Cable Supports For Aluminum Lightning Protection System	20.97	9.65
26 41 13 00-0063 EA Adhesive Cable Supports For Aluminum Lightning Protection System	21.74	9.65
26 41 13 00-0064 Bonding Straps (26 41 13 00-0001)		
26 41 13 00-0065 Copper Bonding Straps (26 41 13 00-0064)		
26 41 13 00-0066 EA 3/4" x 9-1/2" Flex Braided Strap For Copper Lightning Protection System	62.43	28.95
26 41 13 00-0067 Aluminum Bonding Straps (26 41 13 00-0064)		
26 41 13 00-0068 EA 3/4" x 9-1/2" Flex Braided Strap For Aluminum Lightning Protection System	60.22	28.95
26 41 13 00-0069 Accessories For Lightning Protection (26 41 13 00-0001)		
See CSI section 26 05 26 00-0001 for conductors straps and conduit jumpers.		
26 41 13 00-0070 Copper Adapters (26 41 13 00-0069)		
26 41 13 00-0071 EA Swivel Adapters For Copper Lightning Protection System	23.47	4.83
26 41 13 00-0072 Aluminum Adapters (26 41 13 00-0069)		
26 41 13 00-0073 EA Swivel Adapters For Aluminum Lightning Protection System	24.25	4.83
26 41 13 00-0074 EA Floor Ground Receptacle For Aluminum Lightning Protection System	149.83	48.25
26 41 23 Lightning Protection Surge Arresters And Suppressors (26 41)		
26 41 23 00-0001 Surge And Lightning Arrestors (26 41 23)		
26 41 23 00-0002 Metal Top Intermediate Type IMX (26 41 23 00-0001)		
Note: For outdoor construction, single phase.		
26 41 23 00-0003 EA 3 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	922.31	213.22
26 41 23 00-0004 EA 4.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	999.45	213.22
26 41 23 00-0005 EA 6 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	999.45	213.22
26 41 23 00-0006 EA 7.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,142.70	213.22
26 41 23 00-0007 EA 9 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,142.70	213.22
26 41 23 00-0008 EA 10 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,261.70	213.22
26 41 23 00-0009 EA 12 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,261.70	213.22
26 41 23 00-0010 EA 15 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,720.92	266.53
26 41 23 00-0011 EA 18 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,782.62	266.53
26 41 23 00-0012 EA 21 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,959.41	319.84
26 41 23 00-0013 EA 24 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,118.08	319.84
26 41 23 00-0014 EA 27 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,516.98	319.84



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 41 23 00-0015

Porcelain Top Intermediate Type IMX (26 41 23 00-0001)

Note: For cubicle mounting, single phase.

26 41 23 00-0016	EA	3 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	922.31	213.22
26 41 23 00-0017	EA	4.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	999.45	213.22
26 41 23 00-0018	EA	6 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	999.45	213.22
26 41 23 00-0019	EA	7.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,142.70	213.22
26 41 23 00-0020	EA	9 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,142.70	213.22
26 41 23 00-0021	EA	10 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,261.70	213.22
26 41 23 00-0022	EA	12 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,261.70	213.22
26 41 23 00-0023	EA	15 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,720.92	266.53
26 41 23 00-0024	EA	18 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,782.62	266.53
26 41 23 00-0025	EA	21 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,959.41	319.84
26 41 23 00-0026	EA	24 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	2,118.08	319.84
26 41 23 00-0027	EA	27 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	2,516.98	319.84

26 41 23 00-0028

IMX Accessories (26 41 23 00-0001)

26 41 23 00-0029	EA	1 Crossarm Bracket Reversible 3-27 KV IMX.....	763.64	213.22
26 41 23 00-0030	EA	Single Unit Horizontal Pole Mounted Bracket (IMX)	754.82	213.22
26 41 23 00-0031	EA	3 Unit Horizontal Pole Mounted Bracket (IMX)	688.79	213.22

26 41 23 00-0032

Lightning Arrestor And Cutouts (26 41 23 00-0001)

26 41 23 00-0033	EA	3 KV La Distribution Class, Lightning Arrestor.....	516.81	213.22
26 41 23 00-0034	EA	3 KV La Interior Class, Lightning Arrestor.....	981.02	213.22
26 41 23 00-0035	EA	3 KV La Station Class, Lightning Arrestor.....	922.31	213.22
26 41 23 00-0036	EA	9 KV La Distribution Class, Lightning Arrestor.....	565.29	213.22
26 41 23 00-0037	EA	9 KV La Interior Class, Lightning Arrestor.....	1,109.55	213.22
26 41 23 00-0038	EA	9 KV La Station Class, Lightning Arrestor.....	1,142.70	213.22
26 41 23 00-0039	EA	5 KV Enclosed Fused Cutout.....	640.66	213.22
26 41 23 00-0040	EA	15 KV Open Fused Cutout.....	693.93	266.53
26 41 23 00-0041	EA	18 KV La Distribution Class, Lightning Arrestor.....	539.79	213.22
26 41 23 00-0042	EA	18 KV La Interior Class, Lightning Arrestor.....	1,178.25	213.22

26 43 Surge Protective Devices (26 40)

26 43 13 Surge Protective Devices for Low-Voltage Electrical Power Circuits (26 43)

26 43 13 00-0001

25 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression (26 43 13)

Note: Liebert LPL

26 43 13 00-0002	EA	120/240 Volt AC Single Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	216.78	24.13
26 43 13 00-0003	EA	208 Volt AC Three Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	233.87	24.13
26 43 13 00-0004	EA	240/120 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	243.52	28.95
26 43 13 00-0005	EA	277 Volt AC Single Phase, 2 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	202.24	19.30
26 43 13 00-0006	EA	480/277 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	243.52	28.95

26 43 13 00-0007

50 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression (26 43 13)

Note: Liebert LPL

26 43 13 00-0008	EA	120/240 Volt AC Single Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	301.04	24.13
26 43 13 00-0009	EA	208/120 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	320.46	28.95
26 43 13 00-0010	EA	208 Volt AC Three Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	310.81	24.13
26 43 13 00-0011	EA	480/277 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	320.46	28.95

26 43 13 00-0012

100 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression (26 43 13)

Note: Liebert LPL

26 43 13 00-0013	EA	120/240 Volt AC Single Phase, 3 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	364.54	24.13
26 43 13 00-0014	EA	208/120 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	383.96	28.95
26 43 13 00-0015	EA	277 Volt AC Single Phase, 2 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	340.24	19.30
26 43 13 00-0016	EA	480/277 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	383.96	28.95

26 43 13 00-0017

100 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression (26 43 13)

Note: Liebert LPM

26 43 13 00-0018	EA	120/240 Volt AC Single Phase, 3 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor.....	430.49	24.13
26 43 13 00-0019	EA	208/120 Volt AC Three Phase, 4 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	485.32	28.95
26 43 13 00-0020	EA	277 Volt AC Three Phase, 2 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	407.40	19.30

26 43 13 00-0021

160 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression (26 43 13)

Note: Liebert LPM

26 43 13 00-0022	EA	208/120 Volt AC Single Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor.....	760.09	28.95
26 43 13 00-0023	EA	208 Volt AC Three Phase, 3 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	750.44	24.13
26 43 13 00-0024	EA	480/277 Volt AC Three Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	760.09	28.95

26 Electrical
26 40 Electrical And Cathodic Protection
26 43 Surge Protective Devices



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0025		250 kA, 500 Joule Transient Voltage Surge Suppression ^(26 43 13) Note: Liebert Interceptor Hybrid.		
26 43 13 00-0026	EA	LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor.....	4,405.29	48.25
26 43 13 00-0027	EA	Audible Alarm/LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor.....	5,382.25	48.25
26 43 13 00-0028		Class 1310 Transient Voltage Surge Suppression ^(26 43 13) Note: Supplied with audible alarm, alarm enable/disable switch and dry contacts. Square D.		
26 43 13 00-0029		NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor ^(26 43 13 00-0028) Note: Square D. EMA series.		
26 43 13 00-0030	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,552.61 265.68 203.04	125.45
26 43 13 00-0031	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,918.01 265.68 203.04	144.75
26 43 13 00-0032	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,726.61 265.68 203.04	168.87
26 43 13 00-0033	EA	320 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,620.11 265.68 203.04	193.00
26 43 13 00-0034	EA	480 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	11,276.86 265.68 203.04	265.38
26 43 13 00-0035	EA	120 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,707.30 265.68 203.04	125.45
26 43 13 00-0036	EA	160 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,087.94 265.68 203.04	144.75
26 43 13 00-0037	EA	240 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,989.15 265.68 203.04	168.87
26 43 13 00-0038	EA	320 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,961.07 265.68 203.04	193.00
26 43 13 00-0039	EA	480 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	11,803.00 265.68 203.04	265.38
26 43 13 00-0040	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,707.30 265.68 203.04	125.45
26 43 13 00-0041	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,087.94 265.68 203.04	144.75
26 43 13 00-0042	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,989.10 265.68 203.04	168.87
26 43 13 00-0043	EA	320 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,961.07 265.68 203.04	193.00
26 43 13 00-0044	EA	480 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	11,803.00 265.68 203.04	265.38
26 43 13 00-0045	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,862.00 265.68 203.04	125.45
26 43 13 00-0046	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,260.06 265.68 203.04	144.75
26 43 13 00-0047	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,253.84 265.68 203.04	168.87
26 43 13 00-0048	EA	320 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	8,304.27 265.68 203.04	193.00
26 43 13 00-0049	EA	480 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	12,331.28 265.68 203.04	265.38
26 43 13 00-0050	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,041.74 265.68 203.04	125.45
26 43 13 00-0051	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,438.74 265.68 203.04	144.75
26 43 13 00-0052	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,530.53 265.68 203.04	168.87
26 43 13 00-0053	EA	320 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	8,663.74 265.68 203.04	193.00



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0054 EA 480 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	12,136.80 265.68 203.04	265.38
26 43 13 00-0055 NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor ⁽²⁶⁾ <small>43 13 00-0028</small> Note: Square D EBA series.		
26 43 13 00-0056 EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	2,768.33 265.68 203.04	125.45
26 43 13 00-0057 EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,345.07 265.68 203.04	144.75
26 43 13 00-0058 EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,905.28 265.68 203.04	168.87
26 43 13 00-0059 EA 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	2,856.57 265.68 203.04	125.45
26 43 13 00-0060 EA 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,475.78 265.68 203.04	144.75
26 43 13 00-0061 EA 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,076.30 265.68 203.04	168.87
26 43 13 00-0062 EA 120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	2,856.57 265.68 203.04	125.45
26 43 13 00-0063 EA 160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,475.78 265.68 203.04	144.75
26 43 13 00-0064 EA 240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,076.30 265.68 203.04	168.87
26 43 13 00-0065 EA 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	2,968.77 265.68 203.04	125.45
26 43 13 00-0066 EA 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,616.31 265.68 203.04	144.75
26 43 13 00-0067 EA 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,295.25 265.68 203.04	168.87
26 43 13 00-0068 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,086.42 265.68 203.04	125.45
26 43 13 00-0069 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,765.54 265.68 203.04	144.75
26 43 13 00-0070 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,525.09 265.68 203.04	168.87
26 43 13 00-0071 NEMA 4X Modular Device Transient Voltage Surge Suppressor ^(26 43 13 00-0028) Note: Square D EMA series. Stainless steel.		
26 43 13 00-0072 EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,582.01 265.68 203.04	125.45
26 43 13 00-0073 EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,947.41 265.68 203.04	144.75
26 43 13 00-0074 EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,756.01 265.68 203.04	168.87
26 43 13 00-0075 EA 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,736.70 265.68 203.04	125.45
26 43 13 00-0076 EA 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,117.34 265.68 203.04	144.75
26 43 13 00-0077 EA 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,018.55 265.68 203.04	168.87
26 43 13 00-0078 EA 120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,736.70 265.68 203.04	125.45
26 43 13 00-0079 EA 160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,117.34 265.68 203.04	144.75
26 43 13 00-0080 EA 240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,018.50 265.68 203.04	168.87

26 Electrical**26 40 Electrical And Cathodic Protection****26 43 Surge Protective Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0081	EA		120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,891.40 265.68 203.04	125.45
26 43 13 00-0082	EA		160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,289.45 265.68 203.04	144.75
26 43 13 00-0083	EA		240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,283.24 265.68 203.04	168.87
26 43 13 00-0084	EA		120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,071.14 265.68 203.04	125.45
26 43 13 00-0085	EA		160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,468.13 265.68 203.04	144.75
26 43 13 00-0086	EA		240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,559.93 265.68 203.04	168.87
26 43 13 00-0087 NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <small>(26 43 13 00-0026)</small>					
Note: Square D EBA series. Stainless steel.					
26 43 13 00-0088	EA		120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,797.73 265.68 203.04	125.45
26 43 13 00-0089	EA		160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,374.46 265.68 203.04	144.75
26 43 13 00-0090	EA		240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,934.68 265.68 203.04	168.87
26 43 13 00-0091	EA		120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,885.96 265.68 203.04	125.45
26 43 13 00-0092	EA		160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,505.18 265.68 203.04	144.75
26 43 13 00-0093	EA		240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,105.70 265.68 203.04	168.87
26 43 13 00-0094	EA		120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,885.96 265.68 203.04	125.45
26 43 13 00-0095	EA		160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,505.18 265.68 203.04	144.75
26 43 13 00-0096	EA		240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,105.70 265.68 203.04	168.87
26 43 13 00-0097	EA		120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,998.17 265.68 203.04	125.45
26 43 13 00-0098	EA		160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,645.70 265.68 203.04	144.75
26 43 13 00-0099	EA		240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,324.65 265.68 203.04	168.87
26 43 13 00-0100	EA		120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,115.82 265.68 203.04	125.45
26 43 13 00-0101	EA		160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,794.94 265.68 203.04	144.75
26 43 13 00-0102	EA		240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,554.49 265.68 203.04	168.87

26 50 Lighting (26)

Note: Light fixtures include testing of fixture, a set of lamps (light bulbs), wire nuts, ground wire connector, fixture whip, ballast(s), mounting brackets where necessary and cable connectors. Lay-in fixtures include support wire, clips and seismic supports.

26 51 Interior Lighting (26 50)**26 51 13 Interior Lighting Fixtures, Lamps, And Ballasts** (26 51)**26 51 13 00-0001 Interior Lighting Accessories** (26 51 13)

26 51 13 00-0002	LF		For Each Additional LF Of Interior Lighting Wire Whip, Add Note: Wire whips are included with interior lighting fixtures, where necessary, up to six feet in length. Use this task for additional required whip length. For example, if the fixture requires a 15' wire whip then use 9 LF of this task to reach required length.	1.02	
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Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0003 Lighting Accessories <small>(26 51 13)</small>		
26 51 13 00-0004 Modular Flexible Wiring Systems <small>(26 51 13 00-0003)</small>		
26 51 13 00-0005 EA 10' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-10)	62.52	5.21
26 51 13 00-0006 EA 15' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-15)	71.67	5.21
26 51 13 00-0007 EA 20' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-20)	85.86	5.21
26 51 13 00-0008 EA 15' Length, 2-Circuit, Modular Lighting Cable (Day-Brite LC-27-2E-15)	71.67	5.21
26 51 13 00-0009 EA 3 Out, 3-Circuit, Modular Lighting Interface (Day-Brite LI-27-3E)	64.85	5.21
26 51 13 00-0010 EA 13' Length, 2-Circuit, Modular Reddy-Connect Cable (Day-Brite RC-27-2D-13)	93.44	5.21
26 51 13 00-0011 EA 3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-7M)	52.72	5.21
26 51 13 00-0012 EA 3" Length, 2-Circuit, Modular Lighting Tap (Day-Brite LT-27-2E)	59.05	5.21
26 51 13 00-0013 EA 7' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-07)	73.69	5.21
26 51 13 00-0014 EA 7' Length, 1-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-ML-07)	73.69	5.21
26 51 13 00-0015 EA 7' Length, 2-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-2C-07)	74.88	5.21
26 51 13 00-0016 EA 7' Length, 1st 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3A-07)	74.44	5.21
26 51 13 00-0017 EA 7' Length, 2nd 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3B-07)	74.44	5.21
26 51 13 00-0018 EA 15' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-15)	85.09	5.21
26 51 13 00-0019 EA 3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-4D)	40.81	5.21
26 51 13 00-0020 EA 3" Length, 1-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-1E)	38.32	5.21
26 51 13 00-0021 EA 3" Length, 2-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-2E)	39.19	5.21
26 51 13 00-0022 EA 3" Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E)	48.40	5.21
26 51 13 00-0023 EA 15' Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E-15)	62.52	5.21
26 51 13 00-0024 EA 15' Length, 1-Circuit, Modular Lighting Cable (Day-Brite LC-27-1E-15)	64.02	5.21
26 51 13 00-0025 EA Modular Lighting Junction Or Circuit Splitter (Day-Brite LJ-27-3E)	50.69	5.21
26 51 13 00-0026 EA 3" Length, 1-Circuit, Modular Power Distribution Cable (Day-Brite PD-12-1E)	38.32	5.21
26 51 13 00-0027 EA Removal And Reinstallation Of Modular Wiring Complete Including Storage And Cleaning	43.42	
26 51 13 00-0028 Fluorescent Fixtures <small>(26 51 13)</small>		
26 51 13 00-0029 Surface Mounted, Wraparound Fluorescent Fixtures <small>(26 51 13 00-0028)</small>		
26 51 13 00-0030 6" x 2', Surface Mounted, Wraparound Fluorescent Fixtures <small>(26 51 13 00-0029)</small>		
26 51 13 00-0031 EA 1 T8 Lamp, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture	120.63	27.61
26 51 13 00-0032 EA 2 T8 Lamps, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture	134.23	27.61
26 51 13 00-0033 6" x 4', Surface Mounted, Wraparound Fluorescent Fixtures <small>(26 51 13 00-0029)</small>		
26 51 13 00-0034 EA 1 T8 Lamp, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture	135.21	28.76
26 51 13 00-0035 EA 2 T8 Lamps, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture	149.89	28.76
26 51 13 00-0036 1' x 4', Surface Mounted, Wraparound Fluorescent Fixtures <small>(26 51 13 00-0029)</small>		
26 51 13 00-0037 EA 2 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	160.39	32.29
26 51 13 00-0038 EA 3 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	188.00	32.29
26 51 13 00-0039 EA 4 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	218.43	32.29
26 51 13 00-0040 2' x 2', Surface Mounted, Wraparound Fluorescent Fixtures <small>(26 51 13 00-0029)</small>		
26 51 13 00-0041 EA 2 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	134.09	35.29
26 51 13 00-0042 EA 3 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	153.07	35.29
26 51 13 00-0043 2' x 4', Surface Mounted, Wraparound Fluorescent Fixtures <small>(26 51 13 00-0029)</small>		
26 51 13 00-0044 EA 2 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	205.36	41.11
26 51 13 00-0045 EA 3 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	219.66	41.11
26 51 13 00-0046 EA 4 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	247.24	41.11
26 51 13 00-0047 Surface Mounted, Box Type Fluorescent Fixtures <small>(26 51 13 00-0028)</small>		
Note: Includes prismatic lens.		
26 51 13 00-0048 1' x 4', Surface Mounted, Box Type Fluorescent Fixtures <small>(26 51 13 00-0047)</small>		
26 51 13 00-0049 EA 2 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	159.54	32.02
26 51 13 00-0050 EA 3 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	252.58	32.02
26 51 13 00-0051 EA 4 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	286.35	32.02
26 51 13 00-0052 2' x 2', Surface Mounted, Box Type Fluorescent Fixtures <small>(26 51 13 00-0047)</small>		
26 51 13 00-0053 EA 2 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	245.16	35.29
26 51 13 00-0054 EA 3 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	266.56	35.29
26 51 13 00-0055 EA 4 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	281.96	35.29
26 51 13 00-0056 2' x 4', Surface Mounted, Box Type Fluorescent Fixtures <small>(26 51 13 00-0047)</small>		
26 51 13 00-0057 EA 2 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	250.06	41.11
26 51 13 00-0058 EA 3 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	272.65	41.11
26 51 13 00-0059 EA 4 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	284.92	41.11
26 51 13 00-0060 EA 6 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	303.41	41.11



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	13 00-0061		4' x 4', Surface Mounted, Box Type Fluorescent Fixtures (26 51 13 00-0047)		
	26 51 13 00-0062	EA	4 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	486.26	52.94
	26 51 13 00-0063	EA	6 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	493.23	52.94
	26 51 13 00-0064	EA	8 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	472.91	52.94
26 51	13 00-0065		Recessed Fluorescent Fixtures (26 51 13 00-0028)		
26 51	13 00-0066		Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0065)		
26 51	13 00-0067		1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 13 00-0066)		
	26 51 13 00-0068	EA	2 T8 Lamps, 1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	160.97	27.61
			<i>For Drywall Or Plaster Ceilings, Add</i>	18.66	
26 51	13 00-0069		1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 13 00-0066)		
	26 51 13 00-0070	EA	2 T8 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	207.13	32.02
			<i>For Drywall Or Plaster Ceilings, Add</i>	21.84	
	26 51 13 00-0071	EA	2 T5 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	363.91	32.02
			<i>For Drywall Or Plaster Ceilings, Add</i>	21.84	
26 51	13 00-0072		2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 13 00-0066)		
	26 51 13 00-0073	EA	2 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	211.52	35.29
			<i>For Drywall Or Plaster Ceilings, Add</i>	23.82	
	26 51 13 00-0074	EA	3 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	239.47	35.29
			<i>For Drywall Or Plaster Ceilings, Add</i>	23.82	
	26 51 13 00-0075	EA	4 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	242.64	35.29
			<i>For Drywall Or Plaster Ceilings, Add</i>	23.83	
	26 51 13 00-0076	EA	2 T5 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	260.66	35.29
			<i>For Drywall Or Plaster Ceilings, Add</i>	23.82	
26 51	13 00-0077		2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 13 00-0066)		
	26 51 13 00-0078	EA	2 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	208.43	41.11
			<i>For Drywall Or Plaster Ceilings, Add</i>	27.79	
	26 51 13 00-0079	EA	3 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	280.82	41.11
			<i>For Drywall Or Plaster Ceilings, Add</i>	27.79	
	26 51 13 00-0080	EA	4 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	284.31	41.11
			<i>For Drywall Or Plaster Ceilings, Add</i>	27.79	
	26 51 13 00-0081	EA	6 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	315.13	41.11
			<i>For Drywall Or Plaster Ceilings, Add</i>	27.79	
	26 51 13 00-0082	EA	2 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	274.54	41.11
			<i>For Drywall Or Plaster Ceilings, Add</i>	27.79	
	26 51 13 00-0083	EA	3 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	367.28	41.11
			<i>For Drywall Or Plaster Ceilings, Add</i>	27.79	
	26 51 13 00-0084	EA	4 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	376.06	41.11
			<i>For Drywall Or Plaster Ceilings, Add</i>	27.79	
26 51	13 00-0085		Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0065)		
26 51	13 00-0086		1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0085)		
	26 51 13 00-0087	EA	1 T8 Lamp, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	184.32	27.61
			<i>For Drywall Or Plaster Ceilings, Add</i>	18.66	
	26 51 13 00-0088	EA	2 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	187.47	27.61
			<i>For Drywall Or Plaster Ceilings, Add</i>	18.66	
	26 51 13 00-0089	EA	3 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	217.13	27.61
			<i>For Drywall Or Plaster Ceilings, Add</i>	18.66	
26 51	13 00-0090		1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0085)		
	26 51 13 00-0091	EA	1 T8 Lamp, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	209.70	32.02
			<i>For Drywall Or Plaster Ceilings, Add</i>	21.84	
	26 51 13 00-0092	EA	2 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	213.18	32.02
			<i>For Drywall Or Plaster Ceilings, Add</i>	21.84	
	26 51 13 00-0093	EA	3 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	238.44	32.02
			<i>For Drywall Or Plaster Ceilings, Add</i>	21.84	
26 51	13 00-0094		2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0085)		
	26 51 13 00-0095	EA	2 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	217.29	35.29
			<i>For Drywall Or Plaster Ceilings, Add</i>	23.83	
	26 51 13 00-0096	EA	3 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	220.44	35.29
			<i>For Drywall Or Plaster Ceilings, Add</i>	23.83	
	26 51 13 00-0097	EA	4 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	249.66	35.29
			<i>For Drywall Or Plaster Ceilings, Add</i>	23.83	
26 51	13 00-0098		2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0085)		



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	13 00-0099	EA	2 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	208.43 27.79	41.11
26 51	13 00-0100	EA	3 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	239.85 27.79	41.11
26 51	13 00-0101	EA	4 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	269.73 27.79	41.11
26 51	13 00-0102	EA	6 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	303.21 27.79	41.11
26 51	13 00-0103		Direct-Indirect, Recessed Fluorescent Fixtures <small>(26 51 13 00-0065)</small>		
26 51	13 00-0104		1' x 4', Direct-Indirect, Recessed Fluorescent Fixtures <small>(26 51 13 00-0103)</small>		
26 51	13 00-0105	EA	1 T8 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	375.91 21.84	32.02
26 51	13 00-0106	EA	2 T8 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	379.39 21.84	32.02
26 51	13 00-0107	EA	1 T5 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	443.87 21.84	32.02
26 51	13 00-0108	EA	2 T5 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	452.64 21.84	32.02
26 51	13 00-0109		2' x 2', Direct-Indirect, Recessed Fluorescent Fixtures <small>(26 51 13 00-0103)</small>		
26 51	13 00-0110	EA	2 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	304.96 23.82	35.29
26 51	13 00-0111	EA	3 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	338.23 23.82	35.29
26 51	13 00-0112	EA	2 T5 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	411.76 23.82	35.29
26 51	13 00-0113		2' x 4', Direct-Indirect, Recessed Fluorescent Fixtures <small>(26 51 13 00-0103)</small>		
26 51	13 00-0114	EA	2 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	342.27 27.79	41.11
26 51	13 00-0115	EA	3 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	417.31 27.79	41.11
26 51	13 00-0116	EA	1 T5 Lamp, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	442.13 27.79	41.11
26 51	13 00-0117	EA	2 T5 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	485.15 27.79	41.11
26 51	13 00-0118		Volumetric, Recessed Fluorescent Fixtures <small>(26 51 13 00-0065)</small>		
26 51	13 00-0119		1' x 4', Volumetric, Recessed Fluorescent Fixtures <small>(26 51 13 00-0118)</small>		
26 51	13 00-0120	EA	2 T8 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	297.33 21.84	32.02
26 51	13 00-0121	EA	2 T5 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	387.37 21.84	32.02
26 51	13 00-0122		2' x 2', Volumetric, Recessed Fluorescent Fixtures <small>(26 51 13 00-0118)</small>		
26 51	13 00-0123	EA	2 T8 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	298.14 23.82	35.29
26 51	13 00-0124	EA	2 T5 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	338.40 23.82	35.29
26 51	13 00-0125		2' x 4', Volumetric, Recessed Fluorescent Fixtures <small>(26 51 13 00-0118)</small>		
26 51	13 00-0126	EA	2 T8 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	331.84 27.79	41.11
26 51	13 00-0127	EA	2 T5 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	332.51 27.79	41.11
26 51	13 00-0128		Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 13 00-0065)</small>		
26 51	13 00-0129		1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 13 00-0128)</small>		
26 51	13 00-0130	EA	2 T8 Lamps, 1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	279.37 21.84	32.02
26 51	13 00-0131		2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 13 00-0128)</small>		
26 51	13 00-0132	EA	2 T8 Lamps, 2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	270.44 23.82	35.29



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0133		2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 13 00-0128)</small>		
26 51 13 00-0134	EA	2 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	325.24 27.79	41.11
26 51 13 00-0135	EA	3 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	357.19 27.79	41.11
26 51 13 00-0136	EA	4 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	370.53 27.79	41.11
26 51 13 00-0137		Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 13 00-0065)</small>		
26 51 13 00-0138		1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 13 00-0137)</small>		
26 51 13 00-0139	EA	2 T8 Lamps, 1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	267.14 21.84	32.02
26 51 13 00-0140		2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 13 00-0137)</small>		
26 51 13 00-0141	EA	2 T8 Lamps, 2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	270.15 23.82	35.29
26 51 13 00-0142		2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 13 00-0137)</small>		
26 51 13 00-0143	EA	2 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	332.10 27.79	41.11
26 51 13 00-0144	EA	3 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	337.98 27.79	41.11
26 51 13 00-0145	EA	4 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	346.52 27.79	41.11
26 51 13 00-0146		Striplight Fluorescent Fixtures <small>(26 51 13 00-0028)</small>		
26 51 13 00-0147		1 Lamp Cross Section, Striplight Fluorescent Fixtures <small>(26 51 13 00-0146)</small>		
26 51 13 00-0148	EA	1 T8 Lamp, 1-1/2' Length, Striplight Fluorescent Fixture.....	122.79	26.47
26 51 13 00-0149	EA	1 T8 Lamp, 2' Length, Striplight Fluorescent Fixture.....	146.78	26.47
26 51 13 00-0150	EA	1 T8 Lamp, 3' Length, Striplight Fluorescent Fixture.....	146.49	29.37
26 51 13 00-0151	EA	1 T8 Lamp, 4' Length, Striplight Fluorescent Fixture.....	150.64	32.29
26 51 13 00-0152	EA	1 T8 Lamp, 8' Length, Striplight Fluorescent Fixture.....	183.05	38.24
26 51 13 00-0153		2 Lamp Cross Section, Striplight Fluorescent Fixtures <small>(26 51 13 00-0146)</small>		
26 51 13 00-0154	EA	2 T8 Lamps, 2' Length, Striplight Fluorescent Fixture.....	149.04	29.37
26 51 13 00-0155	EA	2 T8 Lamps, 3' Length, Striplight Fluorescent Fixture.....	154.66	32.29
26 51 13 00-0156	EA	2 T8 Lamps, 4' Length, Striplight Fluorescent Fixture.....	158.53	35.29
26 51 13 00-0157		3 Lamp Cross Section, Striplight Fluorescent Fixtures <small>(26 51 13 00-0146)</small>		
26 51 13 00-0158	EA	3 T8 Lamps, 2' Length, Striplight Fluorescent Fixture.....	209.17	29.37
26 51 13 00-0159	EA	3 T8 Lamps, 3' Length, Striplight Fluorescent Fixture.....	204.79	32.29
26 51 13 00-0160	EA	3 T8 Lamps, 4' Length, Striplight Fluorescent Fixture.....	208.41	35.29
26 51 13 00-0161		Display Case Fluorescent Fixtures <small>(26 51 13 00-0146)</small>		
26 51 13 00-0162	EA	1 T8 Lamp, 1-1/2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU15W).....	93.00	28.95
26 51 13 00-0163	EA	1 T8 Lamp, 2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU20W).....	116.38	28.95
26 51 13 00-0164	EA	1 T8 Lamp, 3' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU30W).....	126.07	33.77
26 51 13 00-0165	EA	1 T8 Lamp, 4' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU40W).....	129.06	33.77
26 51 13 00-0166		Industrial Fluorescent Fixtures <small>(26 51 13 00-0028)</small>		
26 51 13 00-0167		1 Lamp Cross Section, Industrial Fluorescent Fixtures <small>(26 51 13 00-0166)</small>		
26 51 13 00-0168	EA	1 T8 Lamp, 2' Length, Industrial Fluorescent Fixture.....	169.30	26.47
26 51 13 00-0169	EA	1 T8 Lamp, 4' Length, Industrial Fluorescent Fixture.....	181.05	32.29
26 51 13 00-0170	EA	1 T8 Lamp, 8' Length, Industrial Fluorescent Fixture.....	319.74	41.11
26 51 13 00-0171		2 Lamp Cross Section, Industrial Fluorescent Fixtures <small>(26 51 13 00-0166)</small>		
26 51 13 00-0172	EA	2 T8 Lamps, 2' Length, Industrial Fluorescent Fixture.....	176.87	29.37
26 51 13 00-0173	EA	2 T8 Lamps, 4' Length, Industrial Fluorescent Fixture.....	188.96	35.29
26 51 13 00-0174	EA	2 T8 Lamps, 8' Length, Industrial Fluorescent Fixture.....	326.71	41.11
26 51 13 00-0175		3 Lamp Cross Section, Industrial Fluorescent Fixtures <small>(26 51 13 00-0166)</small>		



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0176 EA 3 T8 Lamps, 2' Length, Industrial Fluorescent Fixture.....	184.00	29.37
26 51 13 00-0177 EA 3 T8 Lamps, 4' Length, Industrial Fluorescent Fixture.....	195.42	35.29
26 51 13 00-0178 EA 3 T8 Lamps, 8' Length, Industrial Fluorescent Fixture.....	288.63	41.11
26 51 13 00-0179 4 Lamp Cross Section, Industrial Fluorescent Fixtures (26 51 13 00-0166)		
26 51 13 00-0180 EA 4 T8 Lamps, 4' Length, Industrial Fluorescent Fixture.....	259.73	35.29
26 51 13 00-0181 EA 4 T8 Lamps, 8' Length, Industrial Fluorescent Fixture.....	375.11	41.11
26 51 13 00-0182 Flanged Fluorescent Fixture (26 51 13 00-0028)		
Note: For plaster or drywall application. With electronic ballast.		
26 51 13 00-0183 EA 2 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture.....	255.23	52.94
26 51 13 00-0184 EA 3 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture.....	298.47	52.94
26 51 13 00-0185 EA 4 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture.....	301.96	52.94
26 51 13 00-0186 Undercabinet Fluorescent Fixtures (26 51 13 00-0028)		
26 51 13 00-0187 EA 1 T5 Lamp, 12-3/16" Length, Slimline Undercabinet Fluorescent Fixture.....	94.82	23.82
26 51 13 00-0188 EA 1 T5 Lamp, 21-3/16" Length, Slimline Undercabinet Fluorescent Fixture.....	111.29	29.11
26 51 13 00-0189 EA 2 T5 Lamps, 24-7/16" Length, Slimline Undercabinet Fluorescent Fixture.....	109.78	29.11
26 51 13 00-0190 EA 1 T5 Lamp, 33-7/16" Length, Slimline Undercabinet Fluorescent Fixture.....	130.48	31.76
26 51 13 00-0191 EA 2 T5 Lamps, 42-7/16" Length, Slimline Undercabinet Fluorescent Fixture.....	151.77	37.05
26 51 13 00-0192 Corner Mounted, Fluorescent Fixtures (26 51 13 00-0028)		
Note: Includes acrylic drop dish diffuser.		
26 51 13 00-0193 2' Length, Corner Mounted, Fluorescent Fixtures (26 51 13 00-0192)		
26 51 13 00-0194 EA 1 T8 Lamp, 2' Length, Corner Mounted, Fluorescent Fixture.....	158.40	26.47
26 51 13 00-0195 EA 2 T8 Lamps, 2' Length, Corner Mounted, Fluorescent Fixture.....	175.42	26.47
26 51 13 00-0196 3' Length, Corner Mounted, Fluorescent Fixtures (26 51 13 00-0192)		
26 51 13 00-0197 EA 1 T8 Lamp, 3' Length, Corner Mounted, Fluorescent Fixture.....	179.84	27.79
26 51 13 00-0198 EA 2 T8 Lamps, 3' Length, Corner Mounted, Fluorescent Fixture.....	196.06	27.79
26 51 13 00-0199 4' Length, Corner Mounted, Fluorescent Fixtures (26 51 13 00-0192)		
26 51 13 00-0200 EA 1 T8 Lamp, 4' Length, Corner Mounted, Fluorescent Fixture.....	177.65	29.11
26 51 13 00-0201 EA 2 T8 Lamps, 4' Length, Corner Mounted, Fluorescent Fixture.....	194.24	29.11
26 51 13 00-0202 Wall Bracket, Fluorescent Fixtures (26 51 13 00-0028)		
26 51 13 00-0203 Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 13 00-0202)		
Note: Includes extruded aluminum housing with brushed finish, acrylic diffuser and solid-state electronic ballast.		
26 51 13 00-0204 2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 13 00-0203)		
26 51 13 00-0205 EA 1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	264.74	44.40
26 51 13 00-0206 EA 2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	267.42	44.40
26 51 13 00-0207 3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 13 00-0203)		
26 51 13 00-0208 EA 1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	366.62	44.40
26 51 13 00-0209 EA 2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	370.37	44.40
26 51 13 00-0210 4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 13 00-0203)		
26 51 13 00-0211 EA 1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	384.24	44.40
26 51 13 00-0212 EA 2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	386.93	44.40
26 51 13 00-0213 Wall Bracket, Fluorescent Fixtures (Lithonia WP) (26 51 13 00-0202)		
Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 13 00-0214 2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) (26 51 13 00-0213)		
26 51 13 00-0215 EA 1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	390.13	44.40
26 51 13 00-0216 EA 2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	392.82	44.40
26 51 13 00-0217 3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) (26 51 13 00-0213)		
26 51 13 00-0218 EA 1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	309.36	44.40
26 51 13 00-0219 EA 2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	313.11	44.40
26 51 13 00-0220 4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) (26 51 13 00-0213)		
26 51 13 00-0221 EA 1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	355.13	44.40
26 51 13 00-0222 EA 2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	357.82	44.40



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT UNIT COST DEMOLITION UNIT COST

26 51 13 00-0223		Wall Bracket, Fluorescent Fixtures (Lithonia WC) <small>(26 51 13 00-0202)</small> Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 13 00-0224		2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) <small>(26 51 13 00-0223)</small>		
26 51 13 00-0225	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	249.89	44.40
26 51 13 00-0226	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	252.58	44.40
26 51 13 00-0227		3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) <small>(26 51 13 00-0223)</small>		
26 51 13 00-0228	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	250.96	44.40
26 51 13 00-0229	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	254.71	44.40
26 51 13 00-0230		4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) <small>(26 51 13 00-0223)</small>		
26 51 13 00-0231	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	238.51	44.40
26 51 13 00-0232	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	241.20	44.40
26 51 13 00-0233		Low Occupancy, Industrial Fluorescent Fixtures <small>(26 51 13 00-0028)</small>		
26 51 13 00-0234	EA	1 T8 Lamp, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP)	357.85	32.29
26 51 13 00-0235	EA	2 T8 Lamps, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP)	362.26	35.29
26 51 13 00-0236		Accessories And Modifiers For Fluorescent Fixtures <small>(26 51 13 00-0028)</small>		
26 51 13 00-0237		Lens Modifications <small>(26 51 13 00-0236)</small>		
26 51 13 00-0238	EA	For 1' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add	20.76	
26 51 13 00-0239	EA	For 1' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add	25.65	
26 51 13 00-0240	EA	For 2' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add	26.87	
26 51 13 00-0241	EA	For 2' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add	29.31	
26 51 13 00-0242	EA	For 4' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add	35.41	
26 51 13 00-0243	EA	For 1' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	8.55	
26 51 13 00-0244	EA	For 1' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	12.21	
26 51 13 00-0245	EA	For 2' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	13.43	
26 51 13 00-0246	EA	For 2' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	15.88	
26 51 13 00-0247		Pendant Mounting Modifications <small>(26 51 13 00-0236)</small>		
		Note: Per pendant. Use demolition cost for associated light fixture for demolition of pendant mounted light fixture assembly.		
26 51 13 00-0248	EA	For Pendant Mounting Up to 1'-6" Long Section	9.28	
		Note: Per pendant.		
26 51 13 00-0249	EA	For Pendant Mounting 2' Long Section	10.75	
		Note: Per pendant.		
26 51 13 00-0250	EA	For Pendant Mounting 3' Long Section	13.75	
		Note: Per pendant.		
26 51 13 00-0251	EA	For Pendant Mounting 4' Long Section	16.24	
		Note: Per pendant.		
26 51 13 00-0252	EA	For Pendant Mounting 6' Long Section	20.52	
		Note: Per pendant.		
26 51 13 00-0253	EA	For Pendant Mounting 8' Long Section	27.84	
		Note: Per pendant.		
26 51 13 00-0254		Fluorescent Light Accessories <small>(26 51 13 00-0236)</small>		
26 51 13 00-0255	EA	Blank Metal Light Box Plate	17.68	
26 51 13 00-0256	EA	Factory Installed Fixture Mounted Occupancy Sensor	94.02	
26 51 13 00-0257		Wire Guards <small>(26 51 13 00-0236)</small>		
26 51 13 00-0258	EA	Wire Guard for 6" x 2' Fixture	42.30	4.84
26 51 13 00-0259	EA	Wire Guard for 6" x 4' Fixture	59.86	7.74
26 51 13 00-0260	EA	Wire Guard for 1" x 2' Fixture	47.19	5.32
26 51 13 00-0261	EA	Wire Guard for 1" x 4' Fixture	67.35	8.22
26 51 13 00-0262	EA	Wire Guard for 2" x 2' Fixture	57.30	5.80
26 51 13 00-0263	EA	Wire Guard for 2" x 4' Fixture	78.77	8.70
26 51 13 00-0264		LED Fixtures <small>(26 51 13)</small>		
26 51 13 00-0265		Undercabinet LED Fixtures <small>(26 51 13 00-0264)</small>		
26 51 13 00-0266	EA	12" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ12-M6)	147.77	23.82
26 51 13 00-0267	EA	18" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ18-M6)	188.84	29.11
26 51 13 00-0268	EA	24" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ24-M6)	213.37	29.11
26 51 13 00-0269		Striplight LED Fixtures <small>(26 51 13 00-0264)</small>		
26 51 13 00-0270		Striplight LED Fixtures (Lithonia ZL) <small>(26 51 13 00-0269)</small>		



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0271 EA 2' Length, 3,000 Lumens, LED Striplight Fixture (Lithonia ZL1).....	305.29	26.47
26 51 13 00-0272 EA 4' Length, 2,800 Lumens, LED Striplight Fixture (Lithonia ZL1).....	314.12	32.29
26 51 13 00-0273 EA 2' Length, 1,400 Lumens, Lensed LED Striplight Fixture (Lithonia ZL2).....	279.06	26.47
26 51 13 00-0274 EA 4' Length, 2,300 Lumens, Lensed LED Striplight Fixture (Lithonia ZL2).....	287.89	32.29
26 51 13 00-0275 EA 4' Length, 4,600 Lumens, Lensed LED Striplight Fixture (Lithonia ZL2).....	372.09	32.29
26 51 13 00-0276 Striplight LED Fixtures (Mobern) <small>(26 51 13 00-0269)</small>		
26 51 13 00-0277 EA 2' Length, 1,100 Lumens, 12 Watt, Chrome, LED Bracket Fixture (Mobern 7924LED12DMV30).....	133.70	26.47
26 51 13 00-0278 Striplight LED Fixtures (Eaton) <small>(26 51 13 00-0269)</small>		
26 51 13 00-0279 EA 4' Length, 2,301 Lumens, 18 Watt, LED Strip Lighting (Eaton Lighting 4SNLED-LD4-22SL-LC-UNV-L840-CD1-U).....	169.46	32.29
26 51 13 00-0280 Lay-In/Troffer LED Fixtures <small>(26 51 13 00-0264)</small>		
26 51 13 00-0281 Prismatic Lensed, Lay-In/Troffer LED Fixtures <small>(26 51 13 00-0280)</small>		
26 51 13 00-0282 Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lithonia) <small>(26 51 13 00-0281)</small>		
26 51 13 00-0283 EA 1' x 4', 4,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia TL4).....	355.86	41.11
<i>For Drywall Or Plaster Ceilings, Add</i>	27.79	
26 51 13 00-0284 EA 2' x 2', 3,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL2).....	392.58	35.29
<i>For Drywall Or Plaster Ceilings, Add</i>	23.82	
26 51 13 00-0285 EA 2' x 4', 4,600 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL4).....	349.53	41.11
<i>For Drywall Or Plaster Ceilings, Add</i>	27.79	
26 51 13 00-0286 Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lunera) <small>(26 51 13 00-0281)</small>		
26 51 13 00-0287 EA 1' x 4', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 14G4).....	500.41	41.11
26 51 13 00-0288 EA 2' x 2', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 22G5).....	348.04	35.29
26 51 13 00-0289 EA 2' x 4', 4,175 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 24G4).....	451.31	41.11
26 51 13 00-0290 Prismatic Lensed, Lay-In/Troffer LED Fixtures (PlanLED) <small>(26 51 13 00-0281)</small>		
26 51 13 00-0291 EA 2' x 2', 2,591 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E).....	234.44	35.29
26 51 13 00-0292 EA 2' x 2', 3,883 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E).....	257.86	35.29
26 51 13 00-0293 EA 2' x 2', 3,700 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-40).....	221.56	35.29
26 51 13 00-0294 EA 2' x 2', 4,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-45).....	221.56	35.29
26 51 13 00-0295 EA 2' x 2', 4,600 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-50).....	236.78	35.29
26 51 13 00-0296 Volumetric, Lay-In/Troffer LED Fixtures <small>(26 51 13 00-0280)</small>		
26 51 13 00-0297 Volumetric, Lay-In/Troffer LED Fixtures (Lithonia) <small>(26 51 13 00-0296)</small>		
26 51 13 00-0298 EA 1' x 4', 2,500 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4).....	459.88	32.02
<i>For Drywall Or Plaster Ceilings, Add</i>	21.84	
26 51 13 00-0299 EA 2' x 2', 2,400 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2).....	399.19	35.29
<i>For Drywall Or Plaster Ceilings, Add</i>	23.82	
26 51 13 00-0300 EA 2' x 2', 3,300 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2).....	407.50	35.29
<i>For Drywall Or Plaster Ceilings, Add</i>	23.82	
26 51 13 00-0301 EA 2' x 2', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2).....	416.32	41.11
26 51 13 00-0302 EA 2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4).....	444.71	41.11
<i>For Drywall Or Plaster Ceilings, Add</i>	27.79	
26 51 13 00-0303 EA 2' x 4', 4,800 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4).....	473.11	41.11
<i>For Drywall Or Plaster Ceilings, Add</i>	27.79	
26 51 13 00-0304 EA 2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2VTL4).....	302.58	41.11
<i>For Drywall Or Plaster Ceilings, Add</i>	27.79	
26 51 13 00-0305 Architectural, Lay-In/Troffer LED Fixtures <small>(26 51 13 00-0280)</small>		
26 51 13 00-0306 Architectural, Lay-In/Troffer LED Fixtures (Lithonia) <small>(26 51 13 00-0305)</small>		
Note: Includes 4,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.		
26 51 13 00-0307 EA 1' x 4', 2,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4).....	445.04	41.11
<i>For Drywall Or Plaster Ceilings, Add</i>	27.79	
26 51 13 00-0308 EA 1' x 4', 4,300 Lumens, Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4).....	530.97	41.11
<i>For Drywall Or Plaster Ceilings, Add</i>	27.79	
26 51 13 00-0309 EA 1' x 4', 6,400 Lumens, Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4).....	608.30	41.11
<i>For Drywall Or Plaster Ceilings, Add</i>	27.79	
26 51 13 00-0310 Architectural, Lay-In/Troffer LED Fixtures (CREE® CR Series) <small>(26 51 13 00-0305)</small>		
Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.		
26 51 13 00-0311 EA 1' x 4', 2,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™).....	358.78	41.11
<i>For Expanded Size Junction Box For Through Wiring, Add</i>	3.85	
<i>For Drywall Or Plaster Ceilings, Add</i>	114.00	
<i>For Surface Mount, Add</i>	196.57	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	13 00-0312	EA	1' x 4', 3,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™) <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	387.65 3.85 114.00 196.57	41.11
26 51	13 00-0313	EA	1' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™) <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	387.65 3.85 114.00 196.57	41.11
26 51	13 00-0314	EA	1' x 4', 5,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™) <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	430.27 3.85 114.00 196.57	41.11
26 51	13 00-0315	EA	2' x 2', 2,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™) Note: CCT 30K to 50K <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	333.63 3.85 99.68 185.19	35.29
26 51	13 00-0316	EA	2' x 2', 3,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™) Note: CCT 30K to 50K <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	314.21 3.85 99.68 185.19	35.29
26 51	13 00-0317	EA	2' x 4', 2,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	374.79 3.85 116.75 214.44	41.11
26 51	13 00-0318	EA	2' x 4', 3,100 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	387.65 3.85 116.75 214.44	41.11
26 51	13 00-0319	EA	2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	387.65 3.85 116.75 214.44	41.11
26 51	13 00-0320	EA	2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24 LHE™) Note: CCT 30K to 50K <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	496.25 3.85 116.75 214.44	41.11
26 51	13 00-0321	EA	2' x 4', 5,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	430.27 3.85 116.75 214.44	41.11
26 51	13 00-0322		Architectural, Lay-In/Troffer LED Fixtures (Metalux®) <small>(26 51 13 00-0305)</small> Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and code gauge steel housing assembly. Excludes sensors.		
26 51	13 00-0323	EA	2' x 2', 2,500 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC).....	328.22	35.29
26 51	13 00-0324	EA	2' x 4', 4,700 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC).....	440.92	41.11
26 51	13 00-0325		Architectural, Lay-In/Troffer LED Fixtures (Finelite) <small>(26 51 13 00-0305)</small> Note: Includes 3,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.		
26 51	13 00-0326	EA	2' x 2', 4,301 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2)	234.94	35.29
26 51	13 00-0327	EA	2' x 4', 4,671 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2)	315.68	41.46
26 51	13 00-0328		Shadow Box Style, Lay-In/Troffer LED Fixtures <small>(26 51 13 00-0280)</small>		
26 51	13 00-0329		Shadow Box Style, Lay-In/Troffer LED Fixtures (Lithonia SBSL) <small>(26 51 13 00-0328)</small>		
26 51	13 00-0330	EA	2' x 2', 3,300 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL2)..... <i>For Drywall Or Plaster Ceilings, Add</i>	364.02 23.82	35.29
26 51	13 00-0331	EA	2' x 4', 4,600 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL4)..... <i>For Drywall Or Plaster Ceilings, Add</i>	493.61 27.79	41.11
26 51	13 00-0332		Panel Type, Lay-In/Troffer LED Fixtures <small>(26 51 13 00-0280)</small>		
26 51	13 00-0333		Panel Type, Lay-In/Troffer LED Fixtures (PlanLED Galaxy) <small>(26 51 13 00-0332)</small>		
26 51	13 00-0334	EA	1' x 4', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL140-34)	255.68	41.11
26 51	13 00-0335	EA	2' x 2', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL220-34)	264.97	41.11
26 51	13 00-0336	EA	2' x 4', 4,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-40)	326.51	41.11
26 51	13 00-0337	EA	2' x 4', 5,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-52)	326.51	41.11
26 51	13 00-0338		Panel Type, Lay-In/Troffer LED Fixtures (Sylvania) <small>(26 51 13 00-0332)</small>		
26 51	13 00-0339	EA	1' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/14G/WH)..... <i>For Surface Mounting Kit (Sylvania SMK1T1A/14A/WH), Add</i>	143.46 30.52	41.11



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0340 EA 2' x 2', 3,500 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/22G/WH).....	147.44	41.11
26 51 13 00-0341 EA 2' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/24G/WH).....	149.26	41.11
<i>For Surface Mounting Kit (Sylvania SMKIT1A/24A/WH)</i>	38.15	
26 51 13 00-0342 Surface Mount LED Fixtures (26 51 13 00-0264)		
26 51 13 00-0343 Surface Mount, Volumetric LED Fixtures (Lithonia STL) (26 51 13 00-0342)		
26 51 13 00-0344 EA 2' Length, 2,200 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL2).....	397.21	26.47
26 51 13 00-0345 EA 4' Length, 3,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4).....	337.91	58.84
26 51 13 00-0346 EA 4' Length, 4,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4).....	397.00	32.29
26 51 13 00-0347 Surface Mount, Wraparound LED Fixtures (Lithonia LBL) (26 51 13 00-0342)		
26 51 13 00-0348 EA 2' Length, 2,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL2).....	208.88	32.29
26 51 13 00-0349 EA 4' Length, 4,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL4).....	212.55	32.29
26 51 13 00-0350 Surface Mount, Shadow Box Style LED Fixtures (26 51 13 00-0342)		
26 51 13 00-0351 Surface Mount, Shadow Box Style LED Fixtures (Lithonia SBSLX) (26 51 13 00-0350)		
26 51 13 00-0352 EA 2' x 2', 3,300 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX2).....	462.72	35.29
26 51 13 00-0353 EA 2' x 4', 4,600 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX4).....	592.31	41.11
26 51 13 00-0354 Surface Mount, Low Profile Fixtures (26 51 13 00-0342)		
26 51 13 00-0355 EA 6" Diameter, 993 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8538-90).....	73.54	24.16
26 51 13 00-0356 EA 6" Diameter, 1,215 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8569).....	62.59	24.16
26 51 13 00-0357 EA 13" Diameter, 1,400 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 4329).....	96.53	24.16
26 51 13 00-0358 EA 15" Diameter, 2,100 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting 4330).....	114.05	24.16
26 51 13 00-0359 Recessed LED Downlights (26 51 13 00-0264)		
26 51 13 00-0360 Recessed LED Downlights (26 51 13 00-0359)		
26 51 13 00-0361 Recessed LED Downlights (Lithonia) (26 51 13 00-0360)		
Note: Includes housing and trim.		
26 51 13 00-0362 EA 1,200 Lumens, 8" Diameter, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED).....	443.54	42.46
<i>For Dimming Driver And Sensor Switch nLight Dimming Relay, Add</i>		100.88
26 51 13 00-0363 EA 1,500 Lumens, 8" Diameter, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED).....	486.50	42.46
<i>For Dimming Driver And Sensor Switch nLight Dimming Relay, Add</i>		100.88
26 51 13 00-0364 Recessed LED Downlights (Portfolio®) (26 51 13 00-0360)		
Note: Includes housing and trim.		
26 51 13 00-0365 EA 1,300 Lumens, 4" Diameter, Recessed LED Downlight With Open Trim (Portfolio® LD413).....	260.81	42.46
26 51 13 00-0366 Recessed LED Downlights (Gotham® EVO®) (26 51 13 00-0360)		
Note: Includes housing and trim.		
26 51 13 00-0367 EA 1,800 Lumens, 6" Diameter, Recessed LED Downlight With Open Trim (Gotham® EVO® ALED).....	421.25	42.46
26 51 13 00-0368 EA 1,800 Lumens, 6" Diameter, Recessed LED Shower Downlight With Non-Conductive Regressed Lens (Gotham® EVO® ALED).....	437.77	42.46
26 51 13 00-0369 EA 1,800 Lumens, 6" Diameter, Recessed LED Wallwash Downlight With Specular Reflector Trim (Gotham® EVO® DLWLED).....	505.53	42.46
26 51 13 00-0370 EA 1,800 Lumens, 6" Diameter, Decorative Recessed LED Downlight With Glass Drop Luminous Ring (Gotham® EVO® ALED).....	512.15	42.46
26 51 13 00-0371 EA 1,800 Lumens, 6" Diameter, Vandal Resistant, Recessed LED Downlight With Tempered Prismatic Lens (Gotham® EVO® VRALED).....	569.98	42.46
26 51 13 00-0372 Recessed LED Downlights (Lightolier) (26 51 13 00-0360)		
Note: Includes housing and trim.		
26 51 13 00-0373 EA 500 Lumens, 4" Diameter, Recessed LED Downlight With Open Trim (Lightolier C4L05DL).....	353.02	42.46
26 51 13 00-0374 EA 1,000 Lumens, 4" Diameter, Recessed LED Downlight With Open Trim (Lightolier C4L10DL).....	411.00	42.46
26 51 13 00-0375 EA 1,500 Lumens, 6" Diameter, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL).....	439.92	42.46
26 51 13 00-0376 EA 2,000 Lumens, 6" Diameter, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL).....	439.92	42.46
26 51 13 00-0377 EA 1,500 Lumens, 7" Diameter, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL).....	454.45	42.46
26 51 13 00-0378 EA 2,000 Lumens, 7" Diameter, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL).....	468.98	42.46
26 51 13 00-0379 Recessed LED Downlights (Cooper) (26 51 13 00-0360)		
26 51 13 00-0380 EA 2700K CCT, 600 Lumen, LED Downlight (Cooper Halo ML5606827).....	128.75	42.46
26 51 13 00-0381 EA 3000K CCT, 600 Lumen, LED Downlight (Cooper Halo ML5606830).....	128.75	42.46
26 51 13 00-0382 EA 3500K CCT, 600 Lumen, LED Downlight (Cooper Halo ML5606835).....	128.75	42.46
26 51 13 00-0383 EA 4000K CCT, 600 Lumen, LED Downlight (Cooper Halo ML5606840).....	128.75	42.46
26 51 13 00-0384 EA 2700K CCT, 900 Lumen, LED Downlight (Cooper Halo ML5609827).....	131.17	42.46
26 51 13 00-0385 EA 3000K CCT, 900 Lumen, LED Downlight (Cooper Halo ML5609830).....	131.17	42.46
26 51 13 00-0386 EA 3500K CCT, 900 Lumen, LED Downlight (Cooper Halo ML5609835).....	131.17	42.46
26 51 13 00-0387 EA 4000K CCT, 900 Lumen, LED Downlight (Cooper Halo ML5609840).....	131.17	42.46
26 51 13 00-0388 EA 2700K CCT, 1,200 Lumen, LED Downlight (Cooper Halo ML5612827).....	164.03	42.46

26	Electrical
26 50	Lighting
26 51	Interior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	13 00-0389	EA	3000K CCT, 1,200 Lumen, LED Downlight (Cooper Halo ML5612830).....	162.36	42.46
26 51	13 00-0390	EA	3500K CCT, 1,200 Lumen, LED Downlight (Cooper Halo ML5612835).....	162.36	42.46
26 51	13 00-0391	EA	4000K CCT, 1,200 Lumen, LED Downlight (Cooper Halo ML5612840).....	162.36	42.46
26 51	13 00-0392	EA	5" LED Trim, Polymer "Dead-Front", Shallow White Baffle And Flange (Cooper Halo 591WB).....	78.73	13.51
26 51	13 00-0393	EA	5" LED Trim, Specular Reflector And White Flange (Cooper Halo 592SC).....	48.66	13.51
26 51	13 00-0394	EA	5" LED Trim, Haze Reflector And White Flange (Cooper Halo 592H).....	61.60	13.51
26 51	13 00-0395	EA	5" LED Trim, White Reflector And Flange (Cooper Halo 592W).....	51.26	13.51
26 51	13 00-0396	EA	5" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 593WB).....	40.69	13.51
26 51	13 00-0397	EA	5" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 593BB).....	50.80	13.51
26 51	13 00-0398	EA	5" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 593SNB).....	56.95	13.51
26 51	13 00-0399	EA	5" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 593TBZB).....	62.44	13.51
26 51	13 00-0400	EA	5" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 594WB).....	73.16	13.51
26 51	13 00-0401	EA	5" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 594SNB).....	73.50	13.51
26 51	13 00-0402	EA	5" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 594TBZB).....	71.96	13.51
26 51	13 00-0403	EA	5" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 595WW).....	89.54	13.51
26 51	13 00-0404	EA	5" LED Trim, White Shallow Baffle And Flange (Cooper Halo 596WB).....	41.07	13.51
26 51	13 00-0405	EA	6" LED Trim, Polymer "Dead-Front", White Shallow Baffle And Flange (Cooper Halo 691WB).....	76.16	13.51
26 51	13 00-0406	EA	6" LED Trim, Specular Reflector And White Flange (Cooper Halo 692SC).....	64.32	13.51
26 51	13 00-0407	EA	6" LED Trim, Haze Reflector And White Flange (Cooper Halo 692H).....	60.17	13.51
26 51	13 00-0408	EA	6" LED Trim, White Reflector And Flange (Cooper Halo 692W).....	53.33	13.51
26 51	13 00-0409	EA	6" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 693WB).....	53.82	13.51
26 51	13 00-0410	EA	6" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 693BB).....	58.21	13.51
26 51	13 00-0411	EA	6" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 693SNB).....	53.06	13.51
26 51	13 00-0412	EA	6" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 693TBZB).....	67.07	13.51
26 51	13 00-0413	EA	6" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 694WB).....	72.97	13.51
26 51	13 00-0414	EA	6" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 694SNB).....	92.62	13.51
26 51	13 00-0415	EA	6" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 694TBZB).....	90.15	13.51
26 51	13 00-0416	EA	6" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 695WW).....	91.24	13.51
26 51	13 00-0417	EA	6" LED Trim, White Shallow Baffle And Flange (Cooper Halo 696WB).....	54.42	13.51
26 51	13 00-0418	EA	6" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H750ICAT).....	48.70	28.95
26 51	13 00-0419	EA	6" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H750RICAT).....	53.51	28.95
26 51	13 00-0420	EA	6" LED, Non-IC, Air-Tite, New Construction Housing (Cooper Halo H750T).....	51.59	28.95
26 51	13 00-0421	EA	6" LED, Non-IC, New Construction/Remodel Chicago Plenum Housing (Cooper Halo H750TCP).....	70.54	28.95
26 51	13 00-0422	EA	6" LED, Shallow, Insulated Ceiling, Air-Tite, New Constr. (Cooper Halo H2750ICAT).....	68.31	28.95
26 51	13 00-0423	EA	6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H71CAT).....	54.17	28.95
26 51	13 00-0424	EA	6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H71RICAT).....	57.41	28.95
26 51	13 00-0425	EA	6" Insulated Ceiling, New Construction Housing (Cooper Halo H71CT).....	53.49	28.95
26 51	13 00-0426	EA	6" Insulated Ceiling, Remodel Housing (Cooper Halo H71RICT).....	57.04	28.95
26 51	13 00-0427	EA	6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo H71CATNB).....	54.08	28.95
26 51	13 00-0428	EA	6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo H71CTNB).....	53.75	28.95
26 51	13 00-0429	EA	6" Non-IC, New Construction Housing (Cooper Halo H7T).....	56.31	28.95
26 51	13 00-0430	EA	6" Non-IC, Remodel Housing (Cooper Halo H7RT).....	57.70	28.95
26 51	13 00-0431	EA	6" Non-IC, New Construction Housing, No Socket Bracket (Cooper Halo H7TNB).....	58.14	28.95
26 51	13 00-0432	EA	6" Non-IC, Chicago Plenum, New Construction/Remodel Housing (Cooper Halo H7TCP).....	79.61	28.95
26 51	13 00-0433	EA	6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo H7UICAT).....	74.22	28.95
26 51	13 00-0434	EA	6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo H7UICAT).....	74.84	28.95
26 51	13 00-0435	EA	6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo E1700AT).....	78.45	28.95
26 51	13 00-0436	EA	6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo E1700RAT).....	78.45	28.95
26 51	13 00-0437	EA	6" Insulated Ceiling, New Construction Housing (Cooper Halo E1700).....	78.45	28.95
26 51	13 00-0438	EA	6" Insulated Ceiling, Remodel Housing (Cooper Halo E1700R).....	78.45	28.95
26 51	13 00-0439	EA	6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo E1700ATNB).....	78.45	28.95
26 51	13 00-0440	EA	6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo E1700NB).....	69.02	28.95
26 51	13 00-0441	EA	6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo E1700U).....	69.02	28.95
26 51	13 00-0442	EA	6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo E1700UAT).....	69.02	28.95
26 51	13 00-0443	EA	6" Non-IC, New Construction Housing (Cooper Halo ET700).....	69.02	28.95
26 51	13 00-0444	EA	6" Non-IC, Remodel Housing (Cooper Halo ET700R).....	69.02	28.95
26 51	13 00-0445	EA	6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H27ICAT).....	69.71	28.95
26 51	13 00-0446	EA	6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H27RICAT).....	80.30	28.95
26 51	13 00-0447	EA	6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo H27ICT).....	69.71	28.95
26 51	13 00-0448	EA	6" Shallow, Insulated Ceiling, Remodel Housing (Cooper Halo H27RICT).....	77.31	28.95
26 51	13 00-0449	EA	6" Shallow, Non-IC, New Construction Housing (Cooper Halo H27T).....	65.42	28.95
26 51	13 00-0450	EA	6" Shallow, Non-IC, Remodel Housing (Cooper Halo H27RT).....	66.46	28.95
26 51	13 00-0451	EA	6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo E12700AT).....	73.87	28.95
26 51	13 00-0452	EA	6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo E12700).....	73.87	28.95
26 51	13 00-0453	EA	6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo E12700R).....	73.87	28.95
26 51	13 00-0454	EA	6" Shallow, Non-IC, New Construction Housing (Cooper Halo ET2700).....	73.87	28.95
26 51	13 00-0455	EA	6" Shallow, Non-IC, Remodel Housing (Cooper Halo ET2700R).....	73.87	28.95
26 51	13 00-0456	EA	6" Retrofit Enclosure, Non-IC, BX Whip (Cooper Halo ML7BXRFK).....	62.23	13.51
26 51	13 00-0457	EA	6" Retrofit Enclosure, Non-IC, E26 Screw base Interface (Cooper Halo ML7E26RFK).....	64.38	13.51
26 51	13 00-0458	EA	5" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H550ICAT).....	60.74	28.95
26 51	13 00-0459	EA	5" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H550RICAT).....	61.00	28.95
26 51	13 00-0460	EA	5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H51CAT).....	56.53	28.95
26 51	13 00-0461	EA	5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H51RICAT).....	58.73	28.95
26 51	13 00-0462	EA	5" Non-IC, New Construction Housing (Cooper Halo H5T).....	58.01	28.95
26 51	13 00-0463	EA	5" Non-IC, Remodel Housing (Cooper Halo H5RT).....	58.67	28.95
26 51	13 00-0464	EA	5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo E1500AT).....	68.09	28.95
26 51	13 00-0465	EA	5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo E1500RAT).....	68.59	28.95
26 51	13 00-0466	EA	5" Non-IC, New Construction Housing (Cooper Halo ET500).....	71.12	28.95
26 51	13 00-0467	EA	5" Non-IC, Remodel Housing (Cooper Halo ET500R).....	72.90	28.95



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0468 EA 5" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H25ICAT)	80.69	28.95
26 51 13 00-0469 Recessed LED Downlights (Maxlite) (26 51 13 00-0360)		
26 51 13 00-0470 EA 1,000 Lumens, 4" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR410)	116.48	42.46
26 51 13 00-0471 EA 1,500 Lumens, 4" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR415)	117.83	42.46
26 51 13 00-0472 EA 2,000 Lumens, 4" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR420)	121.90	42.46
26 51 13 00-0473 EA 1,500 Lumens, 6" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR615)	113.77	42.46
26 51 13 00-0474 EA 2,000 Lumens, 6" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR620)	113.77	42.46
26 51 13 00-0475 EA 3,000 Lumens, 6" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR630)	113.77	42.46
26 51 13 00-0476 EA 1,000 Lumens, 8" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR810)	121.90	42.46
26 51 13 00-0477 EA 1,500 Lumens, 8" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR815)	123.25	42.46
26 51 13 00-0478 EA 2,000 Lumens, 8" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR820)	125.95	42.46
26 51 13 00-0479 EA 3,000 Lumens, 8" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR830)	134.07	42.46
26 51 13 00-0480 EA 5,000 Lumens, 8" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR850)	144.90	42.46
26 51 13 00-0481 Recessed LED Downlight Retrofits And Trim (CREE®) (26 51 13 00-0359)		
26 51 13 00-0482 Recessed LED Downlight Retrofits (CREE®) (26 51 13 00-0481)		
Note: Dimmable to 5%. For installation in standard recessed IC or non-IC housings. Includes removal of existing lamp from fixture. Excludes housing and disposal of hazardous lamps.		
26 51 13 00-0483 EA 4" Diameter, 575 Lumens, Recessed LED Downlight Retrofit (Cree® CR4-575L)	64.67	
26 51 13 00-0484 EA 6" Diameter, 625 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-625L)	54.97	
26 51 13 00-0485 EA 6" Diameter, 800 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-800L)	74.38	
26 51 13 00-0486 EA 6" Diameter, 650 Lumens, Recessed LED Downlight Retrofit (Cree® LR6C-277)	85.69	
26 51 13 00-0487 EA 6" Diameter, 1,000 Lumens, Deep Recessed LED Downlight Retrofit (Cree® LR6-10L-XXX-120V-A-DR)	95.40	
26 51 13 00-0488 Recessed LED Downlight Retrofits Trim (CREE®) (26 51 13 00-0481)		
Note: For installation in standard recessed IC or non-IC housings. Excludes housing and lamp.		
26 51 13 00-0489 EA 6" Diameter, Diffuse Anodized Finish Reflector For LED Downlight Retrofits (Cree® CT6AX)	30.65	6.75
26 51 13 00-0490 EA 6" Diameter, Diffuse Anodized Finish Reflector With Painted Flange For LED Downlight Retrofits (Cree® LT6AP)	37.12	6.75
26 51 13 00-0491 EA 6" Diameter, Flat Black Finish Trim And Reflector For LED Downlight Retrofits (Cree® CT6BB)	32.27	6.75
26 51 13 00-0492 Recessed LED Downlight Fixture Housings (CREE®) (26 51 13 00-0481)		
Note: Excludes lamp and trim.		
26 51 13 00-0493 EA 6" Diameter, IC Rated, Architectural Recessed LED Downlight Fixture Housing (Cree® H6)	82.24	28.95
26 51 13 00-0494 EA 6" Diameter, IC Rated, Retrofit Recessed LED Downlight Fixture Housing (Cree® RR6)	59.59	28.95
26 51 13 00-0495 Can Retrofit Or Surface Mount, LED Downlights (26 51 13 00-0359)		
26 51 13 00-0496 EA 6" Diameter, 15 Watt, Can Retrofit Or Surface Mount, LED Downlight (Lighting Science® GLP6)	104.30	26.47
26 51 13 00-0497 EA 4" Diameter, 7 Watt, Can Retrofit, LED Downlight (Green Creative 01-811-D)	79.20	26.47
26 51 13 00-0498 EA 6" Diameter, 9.5 Watt, Can Retrofit, LED Downlight (Green Creative 01-808-D)	79.20	26.47
26 51 13 00-0499 EA 6" Diameter, 8.9 Watt, Can Retrofit, LED Downlight (Lithonia 6BP)	87.92	26.47
<i>For Recessed IC/Non-IC Rated Housing For New Construction, Add</i>		
	33.62	
26 51 13 00-0500 EA 4" Diameter, 8 Watt, 600 Lumens, Retrofit LED Downlight (Sylvania LED/RT4/550/840)	49.86	26.47
26 51 13 00-0501 EA 5" Diameter, 10 Watt, 700 Lumens, Retrofit LED Downlight (Sylvania LED/RT5/6/625/840)	53.94	26.47
26 51 13 00-0502 EA 6" Diameter, 10 Watt, 800 Lumens, Retrofit LED Wallwash Downlight (Indy Lighting LRT6-08LM)	518.29	26.47
26 51 13 00-0503 Wall Mount LED Cylinder Downlight (26 51 13 00-0264)		
26 51 13 00-0504 EA 2,200 Lumens, 9" Diameter, Wall Mount LED Cylinder Downlight With Semi-Specular Trim (Gotham® EVO® CLED9)	587.89	41.11
26 51 13 00-0505 Wall Sconce And Wall Wash LED Fixtures (26 51 13 00-0264)		
26 51 13 00-0506 LED Wall Sconce Fixtures (Hudson Valley Lighting) (26 51 13 00-0505)		
26 51 13 00-0507 EA 2-1/2" Diameter x 15-1/2" High, Polished Nickel, LED Wall Sconce (Hudson Valley Lighting SHAW 1200-PN)	307.90	38.60
26 51 13 00-0508 LED Wall Sconce Fixtures (Kichler) (26 51 13 00-0505)		
26 51 13 00-0509 EA 6" High x 11.75" Wide x 3.5" Deep, 15 Watt, 900 Lumens, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Kichler 10790NILED)	178.95	38.60
26 51 13 00-0510 LED Wall Sconce Fixtures (Metalux) (26 51 13 00-0505)		
26 51 13 00-0511 EA 9.875" High x 7.125" Wide x 3.5" Deep, 9 Watt LED, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Metalux AFX VNTS071009L30ENBN)	105.90	38.60
26 51 13 00-0512 Concealed Continuous LED Fixtures (26 51 13 00-0264)		
26 51 13 00-0513 Concealed Continuous LED Fixtures (Fraqtir™ S301) (26 51 13 00-0512)		
26 51 13 00-0514 LF Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Driver (Fraqtir™ S301)	398.28	4.41
26 51 13 00-0515 LF Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Dimming Driver (Fraqtir™ S301)	453.73	4.41

26 Electrical

26 50 Lighting

26 51 Interior Lighting



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 51 13 00-0516		Low Bay LED Fixtures <small>(26 51 13 00-0264)</small>			
26 51 13 00-0517		LED Linear Low Bay Fixtures (PlanLED) <small>(26 51 13 00-0516)</small>			
26 51 13 00-0518	EA	4' Length, 23 System Watts, LED Linear Low Bay Fixture (PlanLED A1W4).....	228.74		52.94
26 51 13 00-0519	EA	4' Length, 42 System Watts, LED Linear Low Bay Fixture (PlanLED A2W4A).....	301.33		52.94
26 51 13 00-0520	EA	8' Length, 84 System Watts, LED Linear Low Bay Fixture (PlanLED A2W5A).....	490.84		66.17
26 51 13 00-0521		LED Linear Low Bay Fixtures (CREE® CS) <small>(26 51 13 00-0516)</small>			
Note: Includes 3,500 or 4,000K color temperature, 120/277 voltage and lightweight polymer housing assembly. Excludes sensors.					
26 51 13 00-0522	EA	4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Cree® CS14™).....	532.26		52.94
26 51 13 00-0523	EA	7,500 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™).....	662.67		66.17
26 51 13 00-0524	EA	8,000 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™).....	842.20		66.17
26 51 13 00-0525		LED Linear Low Bay Fixtures (Lithonia MSL) <small>(26 51 13 00-0516)</small>			
Note: Includes 3,500K, 4,000K or 5,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.					
26 51 13 00-0526	EA	4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Lithonia MSL).....	564.85		52.94
26 51 13 00-0527		Wet/Hazardous Location, LED Fixtures <small>(26 51 13 00-0264)</small>			
26 51 13 00-0528		Wet Location, LED Fixtures <small>(26 51 13 00-0527)</small>			
26 51 13 00-0529		Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM) <small>(26 51 13 00-0528)</small>			
Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.					
26 51 13 00-0530	EA	47 System Watts, 3,240 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM3L).....	1,524.67		74.10
		For Ceiling Mount, Add	13.07		
		For Quick Clip Mounting Option, Add	19.21		
		For Frosted Lens, Add	41.32		
		For Warm White Color Rendering, Add	53.19		
		For Stanchion Mount, Add	89.15		
		For Wall Mount, Add	98.68		
		For Polycarbonate Lens, Add	76.59		
		For Teflon Coated Lens, Add	87.70		
		For 480 Volt, Add	125.28		
26 51 13 00-0531	EA	63 System Watts, 3,778 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM5L).....	1,555.57		79.41
		For Ceiling Mount, Add	13.07		
		For Quick Clip Mounting Option, Add	19.21		
		For Frosted Lens, Add	41.32		
		For Warm White Color Rendering, Add	53.19		
		For Stanchion Mount, Add	89.15		
		For Wall Mount, Add	98.68		
		For Polycarbonate Lens, Add	76.59		
		For Teflon Coated Lens, Add	87.70		
		For 480 Volt, Add	125.28		
26 51 13 00-0532	EA	98 System Watts, 6,340 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM7L).....	1,754.52		84.70
		For Ceiling Mount, Add	13.07		
		For Quick Clip Mounting Option, Add	19.21		
		For Frosted Lens, Add	41.32		
		For Warm White Color Rendering, Add	53.19		
		For Stanchion Mount, Add	89.15		
		For Wall Mount, Add	98.68		
		For Polycarbonate Lens, Add	76.59		
		For Teflon Coated Lens, Add	87.70		
		For 480 Volt, Add	125.28		
26 51 13 00-0533	EA	98 System Watts, 6,340 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM9L).....	2,107.71		89.99
		For Ceiling Mount, Add	13.07		
		For Quick Clip Mounting Option, Add	19.21		
		For Frosted Lens, Add	41.32		
		For Warm White Color Rendering, Add	53.19		
		For Stanchion Mount, Add	89.15		
		For Wall Mount, Add	98.68		
		For Polycarbonate Lens, Add	76.59		
		For Teflon Coated Lens, Add	87.70		
		For 480 Volt, Add	125.28		
26 51 13 00-0534	EA	137 System Watts, 9,720 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L).....	2,681.19		95.28
		For Ceiling Mount, Add	13.07		
		For Quick Clip Mounting Option, Add	19.21		
		For Frosted Lens, Add	41.32		
		For Warm White Color Rendering, Add	53.19		
		For Stanchion Mount, Add	89.15		
		For Wall Mount, Add	98.68		
		For Polycarbonate Lens, Add	76.59		
		For Teflon Coated Lens, Add	87.70		
		For 480 Volt, Add	125.28		



Electrical	26	
Lighting	26 50	26
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0535 Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM) <small>(26 51 13 00-0528)</small> Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 13 00-0536 EA 45 System Watts, 5,183 Lumens, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM5L)	1,378.52	79.41
<i>For Bolt-On Visor, Add</i>	71.14	
<i>For Bolt-On Wire Guard, Add</i>	146.33	
<i>For 480 Volt, Add</i>	125.28	
<i>For Warm White Color Rendering, Add</i>	53.19	
26 51 13 00-0537 EA 62 System Watts, 7,095 Lumens, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM7L)	2,022.79	84.70
<i>For Bolt-On Visor, Add</i>	71.14	
<i>For Bolt-On Wire Guard, Add</i>	146.33	
<i>For 480 Volt, Add</i>	125.28	
<i>For Warm White Color Rendering, Add</i>	53.19	
26 51 13 00-0538 EA 79 System Watts, 9,132 Lumens, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM9L)	2,229.12	89.99
<i>For Bolt-On Visor, Add</i>	71.14	
<i>For Bolt-On Wire Guard, Add</i>	146.33	
<i>For 480 Volt, Add</i>	125.28	
<i>For Warm White Color Rendering, Add</i>	53.19	
26 51 13 00-0539 EA 99 System Watts, 11,107 Lumens, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM11L)	2,556.46	95.28
<i>For Bolt-On Visor, Add</i>	71.14	
<i>For Bolt-On Wire Guard, Add</i>	146.33	
<i>For 480 Volt, Add</i>	125.28	
<i>For Warm White Color Rendering, Add</i>	53.19	
26 51 13 00-0540 Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2L) <small>(26 51 13 00-0528)</small> Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 13 00-0541 EA 25 System Watts, 1,400 Lumens, Pendant Mount, Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2LC)	962.83	74.10
<i>For 12/24 Volt DC Driver, Add</i>	20.22	
<i>For Frosted Lens, Add</i>	41.32	
<i>For 55 Degree Ambient Suitability (AC Only), Add</i>	27.53	
<i>For Warm White Color Rendering, Add</i>	53.19	
<i>For Ceiling Mount, Add</i>	62.82	
<i>For Wall Mount, Add</i>	91.10	
<i>For Teflon Coated Lens, Add</i>	87.70	
<i>For Wall Mount With Junction Box, Add</i>	132.34	
26 51 13 00-0542 Class I Division 2, Hazardous Location, LED Fixtures <small>(26 51 13 00-0527)</small>		
26 51 13 00-0543 Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV) <small>(26 51 13 00-0542)</small> Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 13 00-0544 EA 45 System Watts, 5,183 Lumens, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV5L)	1,867.43	79.41
<i>For Bolt-On Visor, Add</i>	71.14	
<i>For Bolt-On Wire Guard, Add</i>	146.33	
<i>For 480 Volt, Add</i>	125.28	
<i>For Warm White Color Rendering, Add</i>	53.19	
26 51 13 00-0545 EA 62 System Watts, 7,095 Lumens, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV7L)	2,286.05	84.70
<i>For Bolt-On Visor, Add</i>	71.14	
<i>For Bolt-On Wire Guard, Add</i>	146.33	
<i>For 480 Volt, Add</i>	125.28	
<i>For Warm White Color Rendering, Add</i>	53.19	
26 51 13 00-0546 EA 79 System Watts, 9,132 Lumens, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV9L)	2,581.77	89.99
<i>For Bolt-On Visor, Add</i>	71.14	
<i>For Bolt-On Wire Guard, Add</i>	146.33	
<i>For 480 Volt, Add</i>	125.28	
<i>For Warm White Color Rendering, Add</i>	53.19	
26 51 13 00-0547 EA 99 System Watts, 11,107 Lumens, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV11L)	2,885.67	95.28
<i>For Bolt-On Visor, Add</i>	71.14	
<i>For Bolt-On Wire Guard, Add</i>	146.33	
<i>For 480 Volt, Add</i>	125.28	
<i>For Warm White Color Rendering, Add</i>	53.19	
26 51 13 00-0548 Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC) <small>(26 51 13 00-0542)</small> Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	13 00-0549	EA	25 System Watts, 1,600 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC).....	1,106.66	74.10
			For 12/24 Volt DC Driver, Add	20.22	
			For Frosted Lens, Add	41.32	
			For Warm White Color Temperature LEDs, Add	53.19	
			For 55 Degree Ambient Suitability (AC Only) Option, Add	27.53	
			For Stanchion Mount, Add	170.46	
			For Ceiling Mount, Add	68.35	
			For Wall Mount, Add	99.78	
			For Teflon Coated Lens, Add	87.70	
			For Wall Mount With Junction Box, Add	145.68	
26 51	13 00-0550		Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV) <small>(26 51 13 00-0542)</small>		
			Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51	13 00-0551	EA	47 System Watts, 3,240 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV3L).....	1,754.85	74.10
			For Ceiling Mount, Add	13.08	
			For Quick Clip Mounting Option, Add	19.21	
			For Frosted Lens, Add	41.32	
			For Warm White Color Rendering, Add	53.19	
			For Polycarbonate Lens, Add	76.59	
			For 480 Volt, Add	125.28	
26 51	13 00-0552	EA	63 System Watts, 3,778 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV5L).....	1,943.70	79.41
			For Ceiling Mount, Add	13.08	
			For Quick Clip Mounting Option, Add	19.21	
			For Frosted Lens, Add	41.32	
			For Warm White Color Rendering, Add	53.19	
			For Polycarbonate Lens, Add	76.59	
			For 480 Volt, Add	125.28	
26 51	13 00-0553	EA	98 System Watts, 6,340 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV7L).....	2,177.71	84.70
			For Ceiling Mount, Add	13.08	
			For Quick Clip Mounting Option, Add	19.21	
			For Frosted Lens, Add	41.32	
			For Warm White Color Rendering, Add	53.19	
			For Polycarbonate Lens, Add	76.59	
			For 480 Volt, Add	125.28	
26 51	13 00-0554	EA	98 System Watts, 6,340 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV9L).....	2,835.45	89.99
			For Ceiling Mount, Add	13.08	
			For Quick Clip Mounting Option, Add	19.21	
			For Frosted Lens, Add	41.32	
			For Warm White Color Rendering, Add	53.19	
			For Polycarbonate Lens, Add	76.59	
			For 480 Volt, Add	125.28	
26 51	13 00-0555	EA	137 System Watts, 9,720 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV11L).....	3,252.57	95.28
			For Ceiling Mount, Add	13.08	
			For Quick Clip Mounting Option, Add	19.21	
			For Frosted Lens, Add	41.32	
			For Warm White Color Rendering, Add	53.19	
			For Polycarbonate Lens, Add	76.59	
			For 480 Volt, Add	125.28	
26 51	13 00-0556		Class I Division 1, Explosion Proof, LED Fixtures <small>(26 51 13 00-0527)</small>		
26 51	13 00-0557		Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL) <small>(26 51 13 00-0556)</small>		
			Note: Includes 5,600K CRI LED arrays, shatter resistant and explosion proof glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51	13 00-0558	EA	80 System Watts, 5,625 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL5L).....	2,486.30	79.41
			For Wall Mount, Deduct	-9.39	
			For Warm Color Temperature LEDs, Add	50.66	
			For Stainless Steel Guard, Add	90.93	
			For Ceiling Mount, Add	109.69	
			For Stanchion Mount, Add	127.67	
			For Yoke Mount, Add	319.17	
26 51	13 00-0559	EA	100 System Watts, 6,750 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL7L).....	3,019.49	84.70
			For Wall Mount, Deduct	-9.39	
			For Warm Color Temperature LEDs, Add	50.66	
			For Stainless Steel Guard, Add	90.93	
			For Ceiling Mount, Add	109.69	
			For Stanchion Mount, Add	127.67	
			For Yoke Mount, Add	319.17	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	13 00-0560	EA	130 System Watts, 9,000 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL9L)	3,505.10	89.99
			<i>For Wall Mount, Deduct</i>	-9.39	
			<i>For Warm Color Temperature LEDs, Add</i>	50.66	
			<i>For Stainless Steel Guard, Add</i>	90.93	
			<i>For Ceiling Mount, Add</i>	109.69	
			<i>For Stanchion Mount, Add</i>	127.67	
			<i>For Yoke Mount, Add</i>	319.17	
26 51	13 00-0561	EA	151 System Watts, 10,500 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL11L)	3,999.59	95.28
			<i>For Wall Mount, Deduct</i>	-9.39	
			<i>For Warm Color Temperature LEDs, Add</i>	50.66	
			<i>For Stainless Steel Guard, Add</i>	90.93	
			<i>For Ceiling Mount, Add</i>	109.69	
			<i>For Stanchion Mount, Add</i>	127.67	
			<i>For Yoke Mount, Add</i>	319.17	
26 51	13 00-0562	EA	175 System Watts, 13,500 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL13L)	4,631.34	91.75
			<i>For Wall Mount, Deduct</i>	-9.39	
			<i>For Warm Color Temperature LEDs, Add</i>	50.66	
			<i>For Stainless Steel Guard, Add</i>	90.93	
			<i>For Ceiling Mount, Add</i>	109.69	
			<i>For Stanchion Mount, Add</i>	127.67	
			<i>For Yoke Mount, Add</i>	319.17	
26 51 13 00-0563			Ceiling Mounted LED Fixtures (26 51 13 00-0264)		
26 51 13 00-0564			Ceiling Mounted, LED Drum Fixtures (Enertron) (26 51 13 00-0563)		
26 51	13 00-0565	EA	7 Watts, 11" Diameter, 530 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED1X611-30)	119.69	35.29
26 51	13 00-0566	EA	10 Watts 11" Diameter, 1060 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED2X611-30)	126.32	35.29
26 51	13 00-0567	EA	14 Watts 11" Diameter, 1590 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED3X611-30)	132.95	35.29
26 51	13 00-0568	EA	17 Watts 11" Diameter, 2120 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED4X611-30)	139.57	35.29
26 51	13 00-0569	EA	7 Watts, 14" Diameter, 530 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED1X614-30)	131.85	38.82
26 51	13 00-0570	EA	10 Watts, 14" Diameter, 1060 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED2X614-30)	138.48	38.82
26 51	13 00-0571	EA	14 Watts, 14" Diameter, 1590 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED3X614-30)	145.10	38.82
26 51	13 00-0572	EA	17 Watts, 14" Diameter, 2120 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED4X614-30)	151.73	38.82
26 51	13 00-0573	EA	24 Watts, 14" Diameter, 3180 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED6X614-30)	164.98	38.82
26 51	13 00-0574	EA	7 Watts, 11" Diameter, 530 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED1X611-35)	119.69	35.29
26 51	13 00-0575	EA	10 Watts, 11" Diameter, 1060 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED2X611-35)	126.32	35.29
26 51	13 00-0576	EA	14 Watts, 11" Diameter, 1590 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED3X611-35)	132.95	35.29
26 51	13 00-0577	EA	17 Watts, 11" Diameter, 2120 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED4X611-35)	139.57	35.29
26 51	13 00-0578	EA	7 Watts, 14" Diameter, 530 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED1X614-35)	131.85	38.82
26 51	13 00-0579	EA	10 Watts, 14" Diameter, 1060 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED2X614-35)	138.48	38.82
26 51	13 00-0580	EA	14 Watts, 14" Diameter, 1590 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED3X614-35)	145.10	38.82
26 51	13 00-0581	EA	17 Watts, 14" Diameter, 2120 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED4X614-35)	151.73	38.82
26 51	13 00-0582	EA	24 Watts, 14" Diameter, 3180 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED6X614-30)	164.98	38.82
26 51	13 00-0583	EA	7 Watts, 11" Diameter, 550 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED1X611-40)	119.69	35.29
26 51	13 00-0584	EA	10 Watts, 11" Diameter, 1100 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED2X611-40)	126.32	35.29
26 51	13 00-0585	EA	14 Watts, 11" Diameter, 1650 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED3X611-40)	132.95	35.29
26 51	13 00-0586	EA	17 Watts, 11" Diameter, 2200 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED4X611-40)	139.57	35.29
26 51	13 00-0587	EA	7 Watts, 14" Diameter, 550 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40)	131.85	38.82
26 51	13 00-0588	EA	10 Watts, 14" Diameter, 1100 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40)	138.48	38.82
26 51	13 00-0589	EA	14 Watts, 14" Diameter, 1650 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40)	145.10	38.82
26 51	13 00-0590	EA	17 Watts, 14" Diameter, 2200 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40)	151.73	38.82
26 51	13 00-0591	EA	24 Watts, 14" Diameter, 3300 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40)	164.98	38.82
26 51	13 00-0592	EA	7 Watts, 11" Diameter, 560 Lumens, 5000K CCT, LED Drum Fixture (Enertron 10LED1X611-50)	119.69	35.29
26 51	13 00-0593	EA	10 Watts, 11" Diameter, 1120 Lumens, 5000K CCT, LED Drum Fixture (Enertron 10LED2X611-50)	126.32	35.29
26 51	13 00-0594	EA	14 Watts, 11" Diameter, 1680 Lumens, 5000K CCT, LED Drum Fixture (Enertron 10LED3X611-50)	132.95	35.29
26 51	13 00-0595	EA	17 Watts, 11" Diameter, 2240 Lumens, 5000K CCT, LED Drum Fixture (Enertron 10LED4X611-50)	139.57	35.29
26 51	13 00-0596	EA	7 Watts, 14" Diameter, 560 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40)	131.85	38.82
26 51	13 00-0597	EA	10 Watts, 14" Diameter, 1120 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40)	138.48	38.82
26 51	13 00-0598	EA	14 Watts, 14" Diameter, 1680 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40)	145.10	38.82
26 51	13 00-0599	EA	17 Watts, 14" Diameter, 2240 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40)	151.73	38.82
26 51	13 00-0600	EA	24 Watts, 14" Diameter, 3360 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40)	164.98	38.82
26 51	13 00-0601	EA	10 Watts, 19" Diameter, 1060 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-30)	169.01	41.90
26 51	13 00-0602	EA	17 Watts, 19" Diameter, 2120 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED4X619-30)	184.07	41.90
26 51	13 00-0603	EA	17 Watts, 19" Diameter, 2120 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-30)	180.39	41.90
26 51	13 00-0604	EA	18 Watts, 19" Diameter, 1910 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-30)	180.33	41.90
26 51	13 00-0605	EA	24 Watts, 19" Diameter, 3180 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	197.32	41.90
26 51	13 00-0606	EA	25 Watts, 19" Diameter, 3160 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	191.84	41.90
26 51	13 00-0607	EA	31 Watts, 19" Diameter, 4240 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	214.79	41.90
26 51	13 00-0608	EA	32 Watts, 19" Diameter, 3820 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-30)	207.32	41.90
26 51	13 00-0609	EA	32 Watts, 19" Diameter, 4240 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-30)	207.38	41.90
26 51	13 00-0610	EA	10 Watts, 19" Diameter, 1060 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12S19-35)	169.01	41.90
26 51	13 00-0611	EA	17 Watts, 19" Diameter, 2120 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED4X619-35)	184.07	41.90
26 51	13 00-0612	EA	17 Watts, 19" Diameter, 2120 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	180.39	41.90
26 51	13 00-0613	EA	18 Watts, 19" Diameter, 1910 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12H19-35)	180.33	41.90
26 51	13 00-0614	EA	24 Watts, 19" Diameter, 3180 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	197.32	41.90
26 51	13 00-0615	EA	25 Watts, 19" Diameter, 3160 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	191.84	41.90
26 51	13 00-0616	EA	31 Watts, 19" Diameter, 4240 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	214.79	41.90
26 51	13 00-0617	EA	32 Watts, 19" Diameter, 3820 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12H19-35)	207.32	41.90
26 51	13 00-0618	EA	32 Watts, 19" Diameter, 4240 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED4X12S19-35)	207.38	41.90

26 Electrical
26 50 Lighting
26 51 Interior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0619 EA 10 Watts, 19" Diameter, 1100 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-40)	169.01	41.90
26 51 13 00-0620 EA 17 Watts, 19" Diameter, 2120 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	184.07	41.90
26 51 13 00-0621 EA 17 Watts, 19" Diameter, 2120 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	180.39	41.90
26 51 13 00-0622 EA 18 Watts, 19" Diameter, 2000 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-40)	180.33	41.90
26 51 13 00-0623 EA 24 Watts, 19" Diameter, 3180 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30).....	197.32	41.90
26 51 13 00-0624 EA 25 Watts, 19" Diameter, 3160 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	191.84	41.90
26 51 13 00-0625 EA 31 Watts, 19" Diameter, 4240 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30).....	214.79	41.90
26 51 13 00-0626 EA 32 Watts, 19" Diameter, 4000 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-40)	207.32	41.90
26 51 13 00-0627 EA 32 Watts, 19" Diameter, 4400 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-40)	207.38	41.90
26 51 13 00-0628 EA 10 Watts, 19" Diameter, 1120 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-50)	169.01	41.90
26 51 13 00-0629 EA 17 Watts, 19" Diameter, 2120 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	184.07	41.90
26 51 13 00-0630 EA 17 Watts, 19" Diameter, 2240 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-50)	180.39	41.90
26 51 13 00-0631 EA 18 Watts, 19" Diameter, 2010 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-50)	180.33	41.90
26 51 13 00-0632 EA 24 Watts, 19" Diameter, 3180 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30).....	197.32	41.90
26 51 13 00-0633 EA 25 Watts, 19" Diameter, 3160 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	191.84	41.90
26 51 13 00-0634 EA 31 Watts, 19" Diameter, 4240 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30).....	214.79	41.90
26 51 13 00-0635 EA 32 Watts, 19" Diameter, 4020 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-50)	207.32	41.90
26 51 13 00-0636 EA 32 Watts, 19" Diameter, 4480 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-50)	207.38	41.90
26 51 13 00-0637 Ceiling Mounted, LED Mushroom Fixtures (Mobern) (26 51 13 00-0563)		
26 51 13 00-0638 EA 14" Diameter, 800 Lumens, 12 Watt, LED Ceiling Fixture (Mobern 6814LED12MV30)	122.23	38.82
26 51 13 00-0639 Ceiling Mounted, LED Fixtures (Sylvania) (26 51 13 00-0563)		
26 51 13 00-0640 EA 12.5" x 12.5" x 2.32" Deep, 4,200 Lumens, 35 Watt, LED Garage Light Fixture (Sylvania GARAG1/035UNVD740/G5/SV/D)	408.52	41.90
26 51 13 00-0641 Refrigeration/Display LED Fixtures (26 51 13 00-0264)		
26 51 13 00-0642 Refrigeration/Display LED Fixtures (Lithonia) (26 51 13 00-0641)		
Note: Fixtures exclude driver.		
26 51 13 00-0643 EA 5' Length, Center Mount, Refrigeration/Display, Vertical LED Fixture (Lithonia FSV5 CM)	321.66	41.11
26 51 13 00-0644 EA 5' Length, Left And Right Mount (Pair), Refrigeration/Display, Vertical LED Fixture (Lithonia FSVDRVL RLEM DLC)	405.92	72.78
26 51 13 00-0645 EA Up To 5 Door Configuration, LED Driver For Refrigeration/Display, Vertical LED Fixtures (Lithonia FSVDRVL)	398.92	58.23
26 51 13 00-0646 Pendant Mount, LED Fixtures (26 51 13 00-0264)		
26 51 13 00-0647 Pendant Mount, Circular Architectural LED Fixtures (Delray Lighting) (26 51 13 00-0646)		
26 51 13 00-0648 EA 2,166 Lumens, 2' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 W W35 S)	1,479.53	89.99
26 51 13 00-0649 EA 3,250 Lumens, 3' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 W W35 S)	2,215.24	95.28
26 51 13 00-0650 EA 4,333 Lumens, 4' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 W W35 S)	2,819.09	100.57
26 51 13 00-0651 EA 5,416 Lumens, 5' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 W W35 S)	3,554.81	105.86
26 51 13 00-0652 EA 2,166 Lumens, 2' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 S W35 S)	1,566.71	89.99
26 51 13 00-0653 EA 3,250 Lumens, 3' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 S W35 S)	2,330.76	95.28
26 51 13 00-0654 EA 4,333 Lumens, 4' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 S W35 S)	2,935.70	100.57
26 51 13 00-0655 EA 5,416 Lumens, 5' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 S W35 S)	3,685.59	105.86
26 51 13 00-0656 Pendant Mount, LED Commercial Fixtures (DMF) (26 51 13 00-0646)		
26 51 13 00-0657 EA 3,000 Lumens, 18-1/4" Diameter, Pendant Mount, LED Commercial Fixture (DMF DP610LED)	581.90	52.94
26 51 13 00-0658 Recessed Fixtures (26 51 13)		
Note: Housing and trim priced separately.		
26 51 13 00-0659 Recessed Fixture Housings (26 51 13 00-0658)		
Note: Lamps included in all prices. The housing insulation must be 3" from housing. ICT may be covered with insulation. Remodel housing may be installed from below ceiling. ICAT housing is air tight. Demo cost of housing includes demo of any fixture trim.		
26 51 13 00-0660 Compact Fluorescent, Recessed Fixture Housings (26 51 13 00-0659)		
26 51 13 00-0661 EA 4" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	102.14	27.60
For ICAT Housing, Add		7.82
26 51 13 00-0662 EA 5" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	104.78	27.60
For ICAT Housing, Add		8.16
26 51 13 00-0663 EA 6" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	108.82	28.95
For ICAT Housing, Add		8.44
26 51 13 00-0664 EA 7" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	112.18	30.21
For ICAT Housing, Add		8.62
26 51 13 00-0665 EA 8" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	115.97	31.46
For ICAT Housing, Add		8.86



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	13 00-0666	EA	10" To 12" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	119.87 8.99	33.39
26 51	13 00-0667		Fluorescent, Recessed Fixture Housings <small>(26 51 13 00-0659)</small>		
	26 51 13 00-0668	EA	4" Round, Fluorescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	90.63 6.34	27.60
	26 51 13 00-0669	EA	5" Round, Fluorescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	93.31 6.68	27.60
	26 51 13 00-0670	EA	6" Round, Fluorescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	97.26 6.95	28.86
	26 51 13 00-0671	EA	7" Round, Fluorescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	102.14 7.32	29.92
	26 51 13 00-0672	EA	8" Round, Fluorescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	106.47 7.63	31.46
	26 51 13 00-0673	EA	10" To 12" Square, Fluorescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	110.57 7.79	33.39
26 51	13 00-0674		High Pressure Sodium, Recessed Fixture Housings <small>(26 51 13 00-0659)</small>		
	26 51 13 00-0675	EA	4" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	105.94 8.31	27.79
	26 51 13 00-0676	EA	5" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	110.24 8.87	27.79
	26 51 13 00-0677	EA	6" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	115.75 9.33	28.95
	26 51 13 00-0678	EA	7" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	120.03 9.63	30.21
	26 51 13 00-0679	EA	8" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	124.26 9.93	31.46
	26 51 13 00-0680	EA	10" To 12" Square, High Pressure Sodium, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	128.31 10.08	33.39
26 51	13 00-0681		Incandescent, Recessed Fixture Housings <small>(26 51 13 00-0659)</small>		
	26 51 13 00-0682	EA	4" Round, Incandescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	60.48 2.45	27.60
	26 51 13 00-0683	EA	5" Round, Incandescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	60.48 2.45	27.60
	26 51 13 00-0684	EA	6" Round, Incandescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	64.05 2.66	28.95
	26 51 13 00-0685	EA	7" Round, Incandescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	67.72 2.88	30.21
	26 51 13 00-0686	EA	8" Round, Incandescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	71.40 3.11	31.46
	26 51 13 00-0687	EA	10" To 12" Square, Incandescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	73.29 2.98	33.39
26 51	13 00-0688		Recessed Fixture Trim <small>(26 51 13 00-0659)</small>		
	26 51 13 00-0689	EA	Circular, Recessed Fixture Trim	43.76	13.51
	26 51 13 00-0690	EA	Circular Clear Lens, Recessed Fixture Trim	48.06	13.51
	26 51 13 00-0691	EA	Open/Baffle, Recessed Fixture Trim	55.52	13.51
	26 51 13 00-0692	EA	Specular Reflector, Recessed Fixture Trim	59.47	13.51
	26 51 13 00-0693	EA	Eyeball, Recessed Fixture Trim	48.13	13.51
	26 51 13 00-0694	EA	10" To 12" Square, Clear Lens, Recessed Fixture Trim	45.82	13.51
	26 51 13 00-0695	EA	10" To 12" Square, Drop Dish, Recessed Fixture Trim	48.47	13.51
26 51	13 00-0696		Ceiling Mounted Fixtures <small>(26 51 13)</small>		
26 51	13 00-0697		Ceiling Mounted, Compact Fluorescent/Incandescent Fixtures <small>(26 51 13 00-0696)</small>		
26 51	13 00-0698		Glass Globe, Compact Fluorescent/Incandescent Fixtures <small>(26 51 13 00-0697)</small>		
	26 51 13 00-0699	EA	6" Diameter, Ceiling Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture	107.30	38.60
	26 51 13 00-0700	EA	9" Diameter, Ceiling Mounted, Mushroom Style Glass Globe, Compact Fluorescent/Incandescent Fixture	124.19	38.60
26 51	13 00-0701		Ceiling Mounted, Circline Fluorescent Fixtures <small>(26 51 13 00-0696)</small>		
26 51	13 00-0702		Exposed Lamps, Circline Fluorescent Fixtures <small>(26 51 13 00-0701)</small>		
	26 51 13 00-0703	EA	8-1/2" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture	93.62	38.60
	26 51 13 00-0704	EA	12" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture	101.11	38.60
26 51	13 00-0705		Low Profile Acrylic Diffuser, Circline Fluorescent Fixtures <small>(26 51 13 00-0701)</small>		
	26 51 13 00-0706	EA	11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	129.69	38.60
	26 51 13 00-0707	EA	14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	176.20	38.60
	26 51 13 00-0708	EA	19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	208.43	38.60
	26 51 13 00-0709	EA	12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	144.76	38.60
	26 51 13 00-0710	EA	15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	177.16	38.60
	26 51 13 00-0711	EA	19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	208.43	38.60



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 51 13 00-0712		Ceiling Mounted, Double Twin Tube Compact Fluorescent Fixtures <small>(26 51 13 00-0696)</small>		
26 51 13 00-0713		Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixtures <small>(26 51 13 00-0712)</small>		
26 51 13 00-0714	EA	11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	132.48	38.60
26 51 13 00-0715	EA	14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	165.14	38.60
26 51 13 00-0716	EA	19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	194.09	38.60
26 51 13 00-0717	EA	12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	109.43	38.60
26 51 13 00-0718	EA	15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	127.18	38.60
26 51 13 00-0719	EA	19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	160.79	38.60
26 51 13 00-0720		Pendant Mounted, Compact Fluorescent/Incandescent Downlights <small>(26 51 13 00-0696)</small>		
26 51 13 00-0721		Pendant Mounted, Compact Fluorescent/Incandescent Open Reflector Downlights <small>(26 51 13 00-0720)</small>		
26 51 13 00-0722	EA	6" Diameter, Pendant Mounted, Open Reflector Compact Fluorescent/Incandescent Downlight.....	192.25	31.71
26 51 13 00-0723		Pendant Mounted, Compact Fluorescent/Incandescent Downlights With Baffle <small>(26 51 13 00-0720)</small>		
26 51 13 00-0724	EA	6" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle.....	217.97	31.71
26 51 13 00-0725	EA	8" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle.....	300.95	31.71
26 51 13 00-0726		Pendant Mounted, Horizontal Indirect Fluorescent Fixtures <small>(26 51 13 00-0696)</small>		
26 51 13 00-0727	EA	1 T5HO Lamp, 4' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture.....	182.81	31.71
26 51 13 00-0728	EA	2 T5HO Lamps, 4' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture.....	194.18	31.71
26 51 13 00-0729	EA	3 T5HO Lamps, 4' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture.....	230.41	31.71
26 51 13 00-0730	EA	2 T5HO Lamps, 8' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture.....	238.26	31.71
26 51 13 00-0731	EA	4 T5HO Lamps, 8' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture.....	283.60	31.71
26 51 13 00-0732	EA	6 T5HO Lamps, 8' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture.....	336.85	31.71
26 51 13 00-0733		Finelite Fluorescent Fixtures <small>(26 51 13 00-0696)</small>		
26 51 13 00-0734		Pendant Mounted, Fluorescent Downlight Fixtures (Finelite Series 10) <small>(26 51 13 00-0733)</small>		
26 51 13 00-0735	EA	1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	305.21	44.97
26 51 13 00-0736	EA	2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	303.80	44.97
26 51 13 00-0737	EA	3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	326.87	44.97
26 51 13 00-0738	EA	1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	365.07	44.97
26 51 13 00-0739	EA	2 T5HO Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	399.04	44.97
26 51 13 00-0740	EA	3 T5HO Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	486.87	44.97
26 51 13 00-0741	EA	2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	428.14	46.90
26 51 13 00-0742	EA	4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	440.01	46.90
26 51 13 00-0743	EA	6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	486.16	46.90
26 51 13 00-0744	EA	2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	469.52	46.90
26 51 13 00-0745	EA	4 T5HO Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	586.42	46.90
26 51 13 00-0746	EA	6 T5HO Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	688.63	46.90
26 51 13 00-0747	EA	3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	560.88	48.83
26 51 13 00-0748	EA	6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	581.13	48.83
26 51 13 00-0749	EA	9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	640.55	48.83
26 51 13 00-0750	EA	3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	647.42	48.83
26 51 13 00-0751	EA	6 T5HO Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	798.29	48.83
26 51 13 00-0752	EA	9 T5HO Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	954.06	48.83
26 51 13 00-0753		Pendant Mounted, Fluorescent Wallwash Fixtures (Finelite Series X2-O) <small>(26 51 13 00-0733)</small>		
26 51 13 00-0754	EA	1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	315.80	44.97



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0755 EA 1 T5 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	342.92	44.97
26 51 13 00-0756 EA 1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	343.40	44.97
26 51 13 00-0757 EA 2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	457.51	46.90
26 51 13 00-0758 EA 2 T5 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	489.03	46.90
26 51 13 00-0759 EA 2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	490.00	46.90
26 51 13 00-0760 EA 3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	599.22	48.83
26 51 13 00-0761 EA 3 T5 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	680.58	48.83
26 51 13 00-0762 EA 3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	682.03	48.83
26 51 13 00-0763 Pendant Mounted, Fluorescent Indirect Fixtures (Finelite Series 8) (26 51 13 00-0733)		
26 51 13 00-0764 EA 1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	244.50	44.97
26 51 13 00-0765 EA 2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	256.69	44.97
26 51 13 00-0766 EA 3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	300.81	44.97
26 51 13 00-0767 EA 2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	315.22	46.90
26 51 13 00-0768 EA 4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	368.63	46.90
26 51 13 00-0769 EA 6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	432.21	46.90
26 51 13 00-0770 EA 3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	429.48	48.83
26 51 13 00-0771 EA 6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	521.21	48.83
26 51 13 00-0772 EA 9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	618.75	48.83
26 51 13 00-0773 Track Lighting (26 51 13)		
26 51 13 00-0774 Track Lighting Tracks (26 51 13 00-0773)		
26 51 13 00-0775 LF 1 Circuit Track Lighting Track.....	27.62	6.37
26 51 13 00-0776 LF 2 Circuit Track Lighting Track.....	36.87	6.37
26 51 13 00-0777 LF 3 Circuit Track Lighting Track.....	44.71	6.37
26 51 13 00-0778 LF 4 Circuit Track Lighting Track.....	52.53	7.72
26 51 13 00-0779 Track Lighting Fixtures (26 51 13 00-0773)		
26 51 13 00-0780 Compact Fluorescent Track Lighting Fixtures (26 51 13 00-0779)		
26 51 13 00-0781 EA Compact Fluorescent Track Lighting Fixture.....	64.74	16.11
26 51 13 00-0782 Fluorescent Track Lighting Fixtures (26 51 13 00-0779)		
26 51 13 00-0783 EA 2L 18W BX Track Fixture, Electronic Ballast..... Note: White or Black Finish, 120V.	287.11	16.11
26 51 13 00-0784 EA 2L 39W BX Track Fixture, Electronic Ballast..... Note: White or Black Finish, 120V.	300.38	16.11
26 51 13 00-0785 EA 2L 40W BX Track Fixture, Electronic Ballast..... Note: White or Black Finish, 120V.	308.67	16.11
26 51 13 00-0786 EA 2L 50W BX Track Fixture, Electronic Ballast..... Note: White or Black Finish, 120V.	272.83	16.11
26 51 13 00-0787 EA 2L, 55 Watt BX Track Fixture, Electronic Ballast..... Note: White or Black Finish, 120V.	349.10	16.11
26 51 13 00-0788 Metal Halide Track Lighting Fixtures (26 51 13 00-0779)		
26 51 13 00-0789 EA Metal Halide Track Lighting Fixture.....	68.24	16.11
26 51 13 00-0790 Incandescent Track Lighting Fixtures (26 51 13 00-0779)		
26 51 13 00-0791 EA Incandescent Track Lighting Fixture.....	56.06	16.11
26 51 13 00-0792 EA Par 20 Track Fixture, White Or Black Finish, 120 Volt.....	67.44	16.11
26 51 13 00-0793 EA Par 30 Track Fixture, White Or Black Finish, 120 Volt.....	100.88	16.11
26 51 13 00-0794 EA Par 38 Track Fixture, White Or Black Finish, 120 Volt.....	104.19	16.11
26 51 13 00-0795 EA PAR 16, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt.....	82.57	16.11
26 51 13 00-0796 EA PAR 20, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt.....	67.44	16.11
26 51 13 00-0797 EA PAR 30, Baffled Cylinder Track Fixture, White or Black Finish..... Note: 120V.	80.98	16.11
26 51 13 00-0798 EA PAR 38, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt.....	107.51	16.11



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0799 LED Track Lighting Fixtures <small>(26 51 13 00-0779)</small>		
26 51 13 00-0800 EA 19 Watt, Dimmable, LED Track Lighting Fixture (Juno® TRAC-MASTER® Cylindra™)	255.68	16.11
26 51 13 00-0801 EA 18 Watt, Dimmable, LED Track Lighting Fixture (HALO® Stasis L805MED).....	457.33	16.11
26 51 13 00-0802 EA 24 Watt, Dimmable, LED Track Lighting Fixture (Amerlux CNTRV33)	263.34	16.11
26 51 13 00-0803 Track Lighting Accessories <small>(26 51 13 00-0773)</small>		
26 51 13 00-0804 Pendant Mounting <small>(26 51 13 00-0803)</small>		
26 51 13 00-0805 EA Track Lighting Pendant Mounting, Up to 12".....	27.55	
26 51 13 00-0806 EA Track Lighting Pendant Mounting, >12" To 24".....	36.87	
26 51 13 00-0807 EA Track Lighting Pendant Mounting, >24" To 36".....	45.43	
26 51 13 00-0808 Wet Location, Dust Resistant, Vapor Tight Fixtures <small>(26 51 13)</small>		
26 51 13 00-0809 Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures <small>(26 51 13 00-0808)</small>		
26 51 13 00-0810 Incandescent, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures <small>(26 51 13 00-0809)</small>		
26 51 13 00-0811 EA 100 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	145.26	38.60
<i>For Wall Mounted, Add</i>	5.10	
26 51 13 00-0812 EA 200 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	172.84	38.60
<i>For Wall Mounted, Add</i>	5.10	
26 51 13 00-0813 Compact Fluorescent, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures <small>(26 51 13 00-0809)</small>		
26 51 13 00-0814 EA 13 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	159.50	38.60
<i>For Wall Mounted, Add</i>	6.02	
26 51 13 00-0815 EA 22 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	164.91	38.60
<i>For Wall Mounted, Add</i>	6.02	
26 51 13 00-0816 EA 28 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	178.33	38.60
<i>For Wall Mounted, Add</i>	6.02	
26 51 13 00-0817 Metal Halide, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures <small>(26 51 13 00-0809)</small>		
26 51 13 00-0818 EA 75 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	206.68	38.60
<i>For Wall Mounted, Add</i>	6.30	
26 51 13 00-0819 EA 100 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	214.29	38.60
<i>For Wall Mounted, Add</i>	6.30	
26 51 13 00-0820 EA 150 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	229.74	38.60
<i>For Wall Mounted, Add</i>	6.30	
26 51 13 00-0821 EA 175 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	252.98	38.60
<i>For Wall Mounted, Add</i>	6.30	
26 51 13 00-0822 High Pressure Sodium, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures <small>(26 51 13 00-0809)</small>		
26 51 13 00-0823 EA 70 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	188.56	38.60
<i>For Wall Mounted, Add</i>	6.67	
26 51 13 00-0824 EA 100 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	198.02	38.60
<i>For Wall Mounted, Add</i>	6.67	
26 51 13 00-0825 EA 150 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	234.56	38.60
<i>For Wall Mounted, Add</i>	6.67	
26 51 13 00-0826 Enclosed And Gasketed, Industrial Fluorescent Fixtures <small>(26 51 13 00-0808)</small>		
26 51 13 00-0827 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures <small>(26 51 13 00-0826)</small>		
26 51 13 00-0828 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia DMW) <small>(26 51 13 00-0827)</small>		
Note: Includes high impact acrylic molded lens.		
26 51 13 00-0829 EA 1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	198.07	41.11
<i>For T5 Fixture Instead Of T8, Add</i>	15.61	
26 51 13 00-0830 EA 2 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	206.74	41.11
<i>For T5 Fixture Instead Of T8, Add</i>	16.60	
26 51 13 00-0831 EA 3 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	315.97	41.11
<i>For T5 Fixture Instead Of T8, Add</i>	29.11	
26 51 13 00-0832 EA 1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	274.56	41.11
26 51 13 00-0833 EA 2 T8HO Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	433.28	41.11
26 51 13 00-0834 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Day- Brite V2W) <small>(26 51 13 00-0827)</small>		
Note: Includes high impact acrylic molded lens.		
26 51 13 00-0835 EA 1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	220.74	41.11



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0836 EA 2 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	223.18	41.11
26 51 13 00-0837 EA 3 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	317.51	41.11
26 51 13 00-0838 EA 1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	265.72	41.11
26 51 13 00-0839 EA 2 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	277.01	41.11
26 51 13 00-0840 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (26 51 13 00-0826) Note: Includes high impact acrylic molded lens.		
26 51 13 00-0841 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia TDMW) (26 51 13 00-0840) Note: Includes high impact acrylic molded lens.		
26 51 13 00-0842 EA 2 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW).....	366.53	55.84
For T5 Fixture Instead Of T8, Add	32.37	
26 51 13 00-0843 EA 4 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW).....	380.09	55.84
For T5 Fixture Instead Of T8, Add	33.92	
26 51 13 00-0844 Large Interior Area Fixtures (26 51 13)		
26 51 13 00-0845 Recessed Mounted, Large Interior Area Fixtures (26 51 13 00-0844) Note: Cast aluminum socket housing, anodized aluminum reflector, tempered glass or acrylic lens, plaster mounting frames and brackets.		
26 51 13 00-0846 High Pressure Sodium, Recessed Mounted, Large Interior Area Fixtures (26 51 13 00-0845)		
26 51 13 00-0847 EA 150 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	315.27	102.87
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
26 51 13 00-0848 EA 250 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	329.25	109.24
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
26 51 13 00-0849 EA 400 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	348.97	124.68
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
26 51 13 00-0850 Metal Halide, Recessed Mounted, Large Interior Area Fixtures (26 51 13 00-0845)		
26 51 13 00-0851 EA 150 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	320.03	102.87
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
26 51 13 00-0852 EA 250 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	331.30	109.24
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
26 51 13 00-0853 EA 400 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	355.80	124.68
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
26 51 13 00-0854 Low Bay Fixtures, Large Interior Area Fixtures (26 51 13 00-0844) Note: Heavy duty steel housing, aluminum reflector, tempered glass or acrylic lens. Low bay fixtures are for mounting below 20-25 feet.		
26 51 13 00-0855 High Pressure Sodium, Low Bay Fixtures (26 51 13 00-0854)		
26 51 13 00-0856 EA 150 Watt High Pressure Sodium, Low Bay Fixture	327.40	94.05
For Wire Guard, Add	40.50	
For Enclosed And Gasketed, Add	75.47	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
26 51 13 00-0857 EA 250 Watt High Pressure Sodium, Low Bay Fixture	337.33	99.87
For Wire Guard, Add	40.50	
For Enclosed And Gasketed, Add	75.47	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
26 51 13 00-0858 EA 400 Watt High Pressure Sodium, Low Bay Fixture	360.04	113.98
For Wire Guard, Add	40.50	
For Enclosed And Gasketed, Add	75.47	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
26 51 13 00-0859 Metal Halide, Low Bay Fixtures (26 51 13 00-0854)		
26 51 13 00-0860 EA 175 Watt Metal Halide, Low Bay Fixture	324.27	94.05
For Wire Guard, Add	40.50	
For Enclosed And Gasketed, Add	75.47	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
26 51 13 00-0861 EA 250 Watt Metal Halide, Low Bay Fixture	333.78	99.87
For Wire Guard, Add	40.50	
For Enclosed And Gasketed, Add	75.47	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0862 EA 400 Watt Metal Halide, Low Bay Fixture	362.21	113.98
For Wire Guard, Add	40.50	
For Enclosed And Gasketed, Add	75.47	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
26 51 13 00-0863 High Bay Fixtures, Large Interior Area Fixtures <small>(26 51 13 00-0844)</small>		
Note: High bay fixtures are for mounting above 20-25 feet. See CSI section 01 22 23 00-0001 for lifts.		
26 51 13 00-0864 High Pressure Sodium, High Bay Fixtures <small>(26 51 13 00-0863)</small>		
Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.		
26 51 13 00-0865 EA 250 Watt High Pressure Sodium, High Bay Fixture	304.35	99.87
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
For Tempered Glass Or Acrylic Lens, Add	60.50	
For Polycarbonate Lens, Add	47.75	
For Security Chain, Add	19.34	
For Optical Safety Chain, Add	7.47	
For Ballast Safety Chain, Add	12.13	
26 51 13 00-0866 EA 400 Watt High Pressure Sodium, High Bay Fixture	330.53	113.98
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
For Tempered Glass Or Acrylic Lens, Add	60.50	
For Polycarbonate Lens, Add	47.75	
For Security Chain, Add	19.34	
For Optical Safety Chain, Add	7.47	
For Ballast Safety Chain, Add	12.13	
26 51 13 00-0867 EA 1,000 Watt High Pressure Sodium, High Bay Fixture	468.58	119.89
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
For Tempered Glass Or Acrylic Lens, Add	60.50	
For Polycarbonate Lens, Add	47.75	
For Security Chain, Add	19.34	
For Optical Safety Chain, Add	7.47	
For Ballast Safety Chain, Add	12.13	
26 51 13 00-0868 Metal Halide, High Bay Fixtures <small>(26 51 13 00-0863)</small>		
Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.		
26 51 13 00-0869 EA 250 Watt Metal Halide, High Bay Fixture	285.30	99.87
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
For Tempered Glass Or Acrylic Lens, Add	60.50	
For Polycarbonate Lens, Add	47.75	
For Security Chain, Add	19.34	
For Optical Safety Chain, Add	7.47	
For Ballast Safety Chain, Add	12.13	
26 51 13 00-0870 EA 400 Watt Metal Halide, High Bay Fixture	313.60	113.98
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
For Tempered Glass Or Acrylic Lens, Add	60.50	
For Polycarbonate Lens, Add	47.75	
For Security Chain, Add	19.34	
For Optical Safety Chain, Add	7.47	
For Ballast Safety Chain, Add	12.13	
26 51 13 00-0871 EA 1,000 Watt Metal Halide, High Bay Fixture	403.65	119.89
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
For Tempered Glass Or Acrylic Lens, Add	60.50	
For Polycarbonate Lens, Add	47.75	
For Security Chain, Add	19.34	
For Optical Safety Chain, Add	7.47	
For Ballast Safety Chain, Add	12.13	
26 51 13 00-0872 (T8) Fluorescent, High Bay Fixtures <small>(26 51 13 00-0863)</small>		
26 51 13 00-0873 (T8) Fluorescent, High Bay Fixtures (Lithonia) <small>(26 51 13 00-0872)</small>		
Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 13 00-0874 EA 2 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	321.98	89.99
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
26 51 13 00-0875 EA 3 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	339.11	99.69
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0876 EA 4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	384.52	113.81
<i>For Wire Guard, Add</i>	40.50	
<i>For Polycarbonate Lens, Add</i>	47.75	
<i>For Acrylic Lens, Add</i>	54.00	
26 51 13 00-0877 EA 6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	454.06	119.89
<i>For Wire Guard, Add</i>	40.50	
<i>For Polycarbonate Lens, Add</i>	47.75	
<i>For Acrylic Lens, Add</i>	54.00	
26 51 13 00-0878 EA 8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	491.83	125.46
<i>For Wire Guard, Add</i>	40.50	
<i>For Polycarbonate Lens, Add</i>	47.75	
<i>For Acrylic Lens, Add</i>	54.00	
26 51 13 00-0879 EA 4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	430.64	113.81
<i>For Wire Guard, Add</i>	40.50	
<i>For Polycarbonate Lens, Add</i>	47.75	
<i>For Acrylic Lens, Add</i>	54.00	
26 51 13 00-0880 EA 6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	446.45	119.89
<i>For Wire Guard, Add</i>	40.50	
<i>For Polycarbonate Lens, Add</i>	47.75	
<i>For Acrylic Lens, Add</i>	54.00	
26 51 13 00-0881 EA 8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	522.92	125.46
<i>For Wire Guard, Add</i>	40.50	
<i>For Polycarbonate Lens, Add</i>	47.75	
<i>For Acrylic Lens, Add</i>	54.00	
26 51 13 00-0882 (T5HO) Fluorescent, High Bay Fixtures (26 51 13 00-0863)		
26 51 13 00-0883 (T5HO) Fluorescent, High Bay Fixtures (Lithonia) (26 51 13 00-0882)		
Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 13 00-0884 EA 2 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	327.24	89.99
<i>For Wire Guard, Add</i>	40.50	
<i>For Polycarbonate Lens, Add</i>	47.75	
<i>For Acrylic Lens, Add</i>	54.00	
26 51 13 00-0885 EA 3 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	345.47	99.69
<i>For Wire Guard, Add</i>	40.50	
<i>For Polycarbonate Lens, Add</i>	47.75	
<i>For Acrylic Lens, Add</i>	54.00	
26 51 13 00-0886 EA 4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	394.06	113.81
<i>For Wire Guard, Add</i>	40.50	
<i>For Polycarbonate Lens, Add</i>	47.75	
<i>For Acrylic Lens, Add</i>	54.00	
26 51 13 00-0887 EA 6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	471.17	119.89
<i>For Wire Guard, Add</i>	40.50	
<i>For Polycarbonate Lens, Add</i>	47.75	
<i>For Acrylic Lens, Add</i>	54.00	
26 51 13 00-0888 EA 4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	468.57	113.81
<i>For Wire Guard, Add</i>	40.50	
<i>For Polycarbonate Lens, Add</i>	47.75	
<i>For Acrylic Lens, Add</i>	54.00	
26 51 13 00-0889 EA 6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	520.21	119.89
<i>For Wire Guard, Add</i>	40.50	
<i>For Polycarbonate Lens, Add</i>	47.75	
<i>For Acrylic Lens, Add</i>	54.00	
26 51 13 00-0890 EA 8 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	625.01	125.46
<i>For Wire Guard, Add</i>	40.50	
<i>For Polycarbonate Lens, Add</i>	47.75	
<i>For Acrylic Lens, Add</i>	54.00	
26 51 13 00-0891 Induction, High Bay Fixtures (26 51 13 00-0863)		
26 51 13 00-0892 Induction, High Bay Fixtures (Everlast®) (26 51 13 00-0891)		
Note: Includes die cast aluminum ballast casing and acrylic lens.		
26 51 13 00-0893 EA 100 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC).....	546.20	87.34
<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 13 00-0894 EA 120 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC).....	590.48	90.25
<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 13 00-0895 EA 150 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC).....	600.39	93.17
<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 13 00-0896 EA 200 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC).....	661.18	96.07
<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 13 00-0897 EA 250 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC).....	677.96	98.99
<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 13 00-0898 EA 100 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC).....	594.32	87.34
<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 13 00-0899 EA 120 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC).....	638.60	90.25
<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 13 00-0900 EA 150 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC).....	648.51	93.17
<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 13 00-0901 EA 200 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC).....	709.29	96.07
<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 13 00-0902 EA 250 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC).....	726.08	98.99
<i>For Impact Resistant Silicon Lens, Add</i>	20.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	13 00-0903		LED, High Bay Fixtures <small>(26 51 13 00-0863)</small>		
26 51	13 00-0904		LED High Bay Fixtures (Lithonia IBL) <small>(26 51 13 00-0903)</small>		
			Note: Includes aluminum alloy chassis.		
26 51	13 00-0905	EA	9,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 9L)	682.04	97.04
26 51	13 00-0906	EA	12,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 12L)	750.78	97.04
26 51	13 00-0907	EA	18,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 18L)	936.37	97.04
26 51	13 00-0908	EA	24,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 24L)	1,010.61	97.04
26 51	13 00-0909		LED High Bay Fixtures (PlanLED) <small>(26 51 13 00-0903)</small>		
26 51	13 00-0910		LED High Bay Fixtures (PlanLED LUNA) <small>(26 51 13 00-0909)</small>		
			Note: Includes aluminum alloy chassis.		
26 51	13 00-0911	EA	7,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN70)	578.16	97.04
26 51	13 00-0912	EA	9,800 Lumens, LED High Bay Fixture (PlanLED LUNA LN98)	643.74	97.04
26 51	13 00-0913	EA	13,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN130)	738.59	97.04
26 51	13 00-0914	EA	16,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN160)	831.09	97.04
26 51	13 00-0915		LED High Bay Fixtures (PlanLED IBL) <small>(26 51 13 00-0909)</small>		
			Note: Includes aluminum alloy chassis.		
26 51	13 00-0916	EA	13,650 Lumens, 130 System Watts, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 130W)	625.00	97.04
			For 480 Volt, Add	32.40	
26 51	13 00-0917	EA	21,000 Lumens, 200 System Watts, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 200W)	853.34	97.04
			For 480 Volt, Add	40.95	
26 51	13 00-0918	EA	42,000 Lumens, 400 System Watts, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 400W)	1,482.15	97.04
			For 480 Volt, Add	64.74	
26 51	13 00-0919		LED High Bay Fixtures (PlanLED SEGA) <small>(26 51 13 00-0909)</small>		
			Note: Includes aluminum alloy chassis.		
26 51	13 00-0920	EA	10,400 Lumens, 80 System Watts, LED High Bay Fixture (PlanLED SEGA SE080)	502.05	97.04
			For 0 To 10 Volt Dimming, Add	50.17	
26 51	13 00-0921	EA	21,000 Lumens, 100 System Watts, LED High Bay Fixture (PlanLED SEGA SE100)	533.67	97.04
			For 0 To 10 Volt Dimming, Add	50.17	
26 51	13 00-0922	EA	16,900 Lumens, 130 System Watts, LED High Bay Fixture (PlanLED SEGA SE130)	642.57	97.04
			For 0 To 10 Volt Dimming, Add	50.17	
26 51	13 00-0923	EA	20,800 Lumens, 160 System Watts, LED High Bay Fixture (PlanLED SEGA SE160)	721.02	97.04
			For 0 To 10 Volt Dimming, Add	50.17	
26 51	13 00-0924	EA	50,000 Lumens, 400 System Watts, Array, LED High Bay Fixture (PlanLED SEGA SE400)	1,299.48	97.04
26 51	13 00-0925	EA	57,040 Lumens, 500 System Watts, Array, LED High Bay Fixture (PlanLED SEGA SE500)	1,402.52	97.04
26 51	13 00-0926	EA	80,000 Lumens, 640 System Watts, Array, LED High Bay Fixture (PlanLED SEGA SE640)	2,110.06	97.04
26 51	13 00-0927		Ceiling Mounted, Large Interior Area Fixtures <small>(26 51 13 00-0844)</small>		
			Note: Heavy duty aluminum housing, aluminum reflector, acrylic drop dish lens, fully gasketed.		
26 51	13 00-0928		High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixtures <small>(26 51 13 00-0927)</small>		
26 51	13 00-0929	EA	100 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	254.03	66.88
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
			For Polycarbonate Lens, Add	47.75	
26 51	13 00-0930	EA	150 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	404.29	66.88
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
			For Polycarbonate Lens, Add	47.75	
26 51	13 00-0931	EA	250 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	462.64	66.88
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
			For Polycarbonate Lens, Add	47.75	
26 51	13 00-0932	EA	400 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	613.84	66.88
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
			For Polycarbonate Lens, Add	47.75	
26 51	13 00-0933		Metal Halide, Ceiling Mounted, Large Interior Area Fixtures <small>(26 51 13 00-0927)</small>		
26 51	13 00-0934	EA	100 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	332.18	66.88
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
			For Polycarbonate Lens, Add	47.75	
26 51	13 00-0935	EA	175 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	354.97	74.21
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
			For Polycarbonate Lens, Add	47.75	
26 51	13 00-0936	EA	250 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	378.67	80.38
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
			For Polycarbonate Lens, Add	47.75	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	13 00-0937	EA	400 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture <i>For Wire Guard, Add</i> <i>For Instant Quartz Restrike, Add</i> <i>For Polycarbonate Lens, Add</i>	412.44 40.50 60.00 47.75	95.73
26 51	13 00-0938		Removal And Reinstallation Of Light Fixtures (26 51 13) Note: Includes disconnection of wire, on-site storage, general cleaning, installation and electrical wire hook-up.		
26 51	13 00-0939	EA	Removal And Reinstallation Of Lay-In Fluorescent Light Fixture.....	102.78	
26 51	13 00-0940	EA	Removal And Reinstallation Of Surface Mounted Or Pendant Light Fixture.....	117.46	
26 51	13 00-0941		Retrofit Existing Fluorescent Fixtures (26 51 13)		
26 51	13 00-0942	EA	Convert 1L F96 fixture to operate (2) F32T8 lamps Note: Includes white enameled 8' reflective fixture pan, pre-wired with lampholders and ballast. Excludes lamps. <i>For Specular Reflector, Add</i> <i>For Retrofit Kit Without Ballast, Deduct</i>	184.85 23.44 -62.81	
26 51	13 00-0943	EA	Convert 2L F96 fixture to operate (4) F32T8 lamps Note: Includes white enameled 8' reflective fixture pan, pre-wired with lampholders and ballast. Excludes lamps. <i>For Specular Reflector, Add</i> <i>For Retrofit Kit Without Ballast, Deduct</i>	189.68 23.44 -63.54	
26 51	13 00-0944	EA	Convert 1L UFB40 fixture to operate (2) F17T8 lamps Note: Includes white enameled reflective fixture pan, pre-wired with lampholders and ballast. Excludes lamps. <i>For Specular Reflector, Add</i> <i>For Retrofit Kit Without Ballast, Deduct</i>	114.07 6.35 -35.92	
26 51	13 00-0945	EA	Convert 2L UFB40 fixture to operate (3) F17T8 lamps Note: Includes white enameled reflective fixture pan, pre-wired with lampholders and ballast. Excludes lamps. <i>For Specular Reflector, Add</i> <i>For Retrofit Kit Without Ballast, Deduct</i>	117.94 6.35 -36.49	
26 52			Safety Lighting (26 50)		
26 52	00 00-0001		Commercial Emergency Lights (26 52)		
26 52	00 00-0002		Polycarbonate Housing, Commercial Emergency Lights (26 52 00 00-0001) Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52	00 00-0003	EA	3 Max Wattage At 90 Minutes, 3.6 Volt, Polycarbonate Housing, LED Lamps, Commercial Emergency Light (Lithonia ELM2 LED)	150.67	24.13
26 52	00 00-0004	EA	10.8 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM2)	107.63	24.13
			<i>For Halogen Lamps, Add</i> <i>For Self-Diagnostics, Add</i>	27.55 87.50	
26 52	00 00-0005	EA	18 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM618)	163.96	24.13
			<i>For Halogen Lamps, Add</i> <i>For Self-Diagnostics, Add</i>	27.55 87.50	
26 52	00 00-0006	EA	27 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM627)	189.46	24.13
			<i>For Halogen Lamps, Add</i> <i>For Self-Diagnostics, Add</i>	27.55 87.50	
26 52	00 00-0007	EA	54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM654)	277.11	24.13
			<i>For Halogen Lamps, Add</i> <i>For Self-Diagnostics, Add</i>	27.55 87.50	
26 52	00 00-0008	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1254)	312.68	24.13
			<i>For Halogen Lamps, Add</i> <i>For Self-Diagnostics, Add</i>	27.55 87.50	
26 52	00 00-0009	EA	72 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1272)	451.29	24.13
			<i>For Halogen Lamps, Add</i> <i>For Self-Diagnostics, Add</i>	27.55 87.50	
26 52	00 00-0010		Remote Heads For Commercial Emergency Lights (26 52 00 00-0001) Note: For use with fixtures that have remote capability.		
26 52	00 00-0011	EA	6 Watt, 6 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H0606).....	101.11	14.48
26 52	00 00-0012	EA	6 Watt, 6 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0606).....	101.75	14.48
26 52	00 00-0013	EA	8 Watt, 8 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0806).....	103.90	14.48
26 52	00 00-0014	EA	12 Watt, 12 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H1212).....	103.55	14.48
26 52	00 00-0015	EA	12 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H1212).....	90.34	14.48
26 52	00 00-0016	EA	12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206).....	64.11	14.48
26 52	00 00-0017		Industrial Emergency Lights (26 52)		
26 52	00 00-0018		Painted Steel Housing, Industrial Emergency Lights (26 52 00 00-0017)		
26 52	00 00-0019		Painted Steel Housing, Industrial Emergency Lights (26 52 00 00-0018) Note: Includes lead-calcium batteries and two adjustable lamp heads.		

26 Electrical
26 50 Lighting
26 52 Safety Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 00 00-0020	EA		16 Max Wattage At 90 Minutes, 6 Volt, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT16).....	257.75	24.13
			<i>For Wireguard, Add</i>	126.05	
26 52 00 00-0021	EA		24 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT24).....	217.94	24.13
			<i>For Wireguard, Add</i>	126.05	
26 52 00 00-0022	EA		36 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT36).....	334.27	24.13
			<i>For Wireguard, Add</i>	126.05	
26 52 00 00-0023	EA		50 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT50).....	354.35	24.13
			<i>For Wireguard, Add</i>	126.05	
26 52 00 00-0024	EA		125 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT125).....	501.58	24.13
			<i>For Wireguard, Add</i>	134.25	
26 52 00 00-0025	EA		275 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT275).....	783.24	24.13
			<i>For Wireguard, Add</i>	134.25	
26 52 00 00-0026			Remote Heads For Painted Steel Housing, Industrial Emergency Lights <small>(26 52 00 00-0026)</small>		
			<small>00 00-0018</small> Note: For use with fixtures that have remote capability.		
26 52 00 00-0027	EA		8 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N0806).....	79.23	14.48
			<i>For Wireguard, Add</i>	101.72	
26 52 00 00-0028	EA		12 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206).....	81.73	14.48
			<i>For Wireguard, Add</i>	101.72	
26 52 00 00-0029	EA		8 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H0812).....	79.58	14.48
			<i>For Wireguard, Add</i>	101.72	
26 52 00 00-0030	EA		12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1212).....	79.99	14.48
			<i>For Wireguard, Add</i>	101.72	
26 52 00 00-0031	EA		12 Watt, 25 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N2512).....	81.73	14.48
			<i>For Wireguard, Add</i>	101.72	
26 52 00 00-0032	EA		12 Watt, 25 Volt, Aluminum Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA MT N2512).....	94.42	14.48
			<i>For Wireguard, Add</i>	101.72	
26 52 00 00-0033			Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights <small>(26 52 00 00-0033)</small>		
26 52 00 00-0034			Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights <small>(26 52 00 00-0034)</small>		
			Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 00 00-0035	EA		18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND618).....	254.55	24.13
			<i>For Wireguard, Add</i>	122.56	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 00 00-0036	EA		36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1236).....	275.79	24.13
			<i>For Wireguard, Add</i>	122.56	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 00 00-0037	EA		54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND654).....	269.97	24.13
			<i>For Wireguard, Add</i>	122.56	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 00 00-0038	EA		54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1254).....	284.81	24.13
			<i>For Wireguard, Add</i>	122.56	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 00 00-0039	EA		100 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND12100).....	472.78	24.13
			<i>For Wireguard, Add</i>	122.56	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 00 00-0040	EA		18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX618).....	373.55	24.13
			<i>For Wireguard, Add</i>	122.56	
			<i>For Self-Diagnostics, Add</i>	61.50	
26 52 00 00-0041	EA		36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1236).....	417.20	24.13
			<i>For Wireguard, Add</i>	122.56	
			<i>For Self-Diagnostics, Add</i>	61.50	
26 52 00 00-0042	EA		54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1254).....	439.31	24.13
			<i>For Wireguard, Add</i>	122.56	
			<i>For Self-Diagnostics, Add</i>	61.50	
26 52 00 00-0043			Remote Heads For Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights <small>(26 52 00 00-0043)</small>		
			Note: For use with fixtures that have remote capability.		



Electrical	26	26
Lighting	26 50	
Safety Lighting	26 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 00 00-0044	EA		9 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0906)	69.63	14.48
26 52 00 00-0045	EA		12 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1206)	74.69	14.48
26 52 00 00-0046	EA		9 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0912)	69.69	14.48
26 52 00 00-0047	EA		12 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1212)	73.41	14.48
26 52 00 00-0048	EA		12 Watt, 20 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H2012)	63.84	14.48
26 52 00 00-0049			Outdoor Emergency Lights ^(26 52)		
26 52 00 00-0050			Gasketed Die-Cast Aluminum Housing, Outdoor Emergency Lights ^(26 52 00 00-0049) Note: Includes nickel-cadmium batteries.		
26 52 00 00-0051	EA		10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light (Dual-Lite PG Series)	394.80	24.13
26 52 00 00-0052	EA		10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light With Heater (Dual-Lite PG Series).....	468.99	24.13
26 52 00 00-0053			Recessed Emergency Lights ^(26 52)		
26 52 00 00-0054	EA		10 Watts At 90 Minutes, 6 Volt, Halogen Lamp, 8" Round, Recessed High-Hat Emergency Light (Lithonia ELRG)	428.54	24.13
			<i>For Wire Guard, Add</i>	60.00	
26 52 00 00-0055	EA		16 Watts At 90 Minutes, 6 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR2).....	352.69	48.25
			Note: Includes lead-calcium batteries and two adjustable lamp heads.		
			<i>For Wireguard, Add</i>	134.25	
26 52 00 00-0056	EA		50 Watts At 90 Minutes, 12 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR4).....	496.50	48.25
			Note: Includes lead-calcium batteries and two adjustable lamp heads.		
			<i>For Wireguard, Add</i>	134.25	
26 52 00 00-0057			Square Wraparound Emergency Lights ^(26 52)		
26 52 00 00-0058	EA		10 Watts At 90 Minutes, 6 Volt, Halogen Lamp, 10-5/16" x 10-5/16" Lexan Frame, Square Wraparound Emergency Light (Lithonia ELSQ)	201.73	24.13
26 53			Exit Signs ^(26 50) Note: Excludes pendants.		
26 53 00 00-0001			LED Exit Signs ^(26 53) Note: Includes red LED lamps.		
26 53 00 00-0002	EA		Single Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM)	129.47	35.27
			<i>For Green LED Lamps, Add</i>	15.00	
26 53 00 00-0003	EA		Double Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM)	129.47	35.27
			<i>For Green LED Lamps, Add</i>	15.00	
26 53 00 00-0004	EA		Single Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN)	173.55	35.27
			<i>For Green LED Lamps, Add</i>	15.00	
			<i>For Self-Diagnostics, Add</i>	50.00	
26 53 00 00-0005	EA		Double Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN)	173.55	35.27
			<i>For Green LED Lamps, Add</i>	15.00	
			<i>For Self-Diagnostics, Add</i>	50.00	
26 53 00 00-0006	EA		Single Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC).....	189.30	35.27
			<i>For Green LED Lamps, Add</i>	15.00	
26 53 00 00-0007	EA		Double Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC)	212.27	35.27
			<i>For Green LED Lamps, Add</i>	15.00	
26 53 00 00-0008	EA		Single Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC ELN).....	179.70	35.27
			<i>For Green LED Lamps, Add</i>	15.00	
			<i>For Self-Diagnostics, Add</i>	50.00	
26 53 00 00-0009	EA		Double Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC ELN)	196.37	35.27
			<i>For Green LED Lamps, Add</i>	15.00	
			<i>For Self-Diagnostics, Add</i>	50.00	
26 53 00 00-0010	EA		Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM)	230.36	35.27
			Note: Includes two circular side mounted krypton emergency lights.		
			<i>For Green LED Lamps, Add</i>	15.00	
26 53 00 00-0011	EA		Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM LED)	357.19	35.27
			Note: Includes two circular side mounted LED emergency lights.		
			<i>For Green LED Lamps, Add</i>	15.00	
26 53 00 00-0012	EA		Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM-PH)	282.53	35.27
			Note: Includes two rectangular front mounted high intensity tungsten emergency lights.		
			<i>For Green LED Lamps, Add</i>	15.00	
26 53 00 00-0013	EA		Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM).....	294.64	35.27
			Note: Includes two circular side mounted PAR 36 emergency lights.		
			<i>For Green LED Lamps, Add</i>	15.00	
26 53 00 00-0014	EA		Single Or Double Face, Polycarbonate Housing, LED Emergency Exit Sign (Eaton Lighting APX6R).....	92.35	35.27

26 Electrical**26 50 Lighting****26 53 Exit Signs**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 53 00 00-0015 Edge-Lit LED Exit Signs ^(26 53) Note: Includes red LED lamps.		
26 53 00 00-0016 EA Single Face, Edge-Lit LED Exit Sign.....	256.67	35.27
For Green LED Lamps, Add	40.00	
26 53 00 00-0017 EA Double Face, Edge-Lit LED Exit Sign	274.18	35.27
For Green LED Lamps, Add	40.00	
26 53 00 00-0018 EA Single Face, Edge-Lit LED Exit Sign With Battery Back-Up	310.73	35.27
For Green LED Lamps, Add	40.00	
For Self-Diagnostics, Add	50.00	
26 53 00 00-0019 EA Double Face, Edge-Lit LED Exit Sign With Battery Back-Up	323.63	35.27
For Green LED Lamps, Add	40.00	
For Self-Diagnostics, Add	50.00	
26 53 00 00-0020 Self-Luminous Tritium Exit Signs ^(26 53) Note: Includes red or green tritium filled pyrex glass light tubes with phosphor coating.		
26 53 00 00-0021 EA 10 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign	342.90	35.27
26 53 00 00-0022 EA 10 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign	614.95	35.27
26 53 00 00-0023 EA 20 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign	404.87	35.27
26 53 00 00-0024 EA 20 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign	664.71	35.27
26 53 00 00-0025 EA 10 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign.....	373.74	35.27
26 53 00 00-0026 EA 10 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign	664.71	35.27
26 53 00 00-0027 EA 20 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign.....	454.34	35.27
26 53 00 00-0028 EA 20 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign	820.67	35.27
26 53 00 00-0029 Vandal-Resistant LED Exit Signs ^(26 53) Note: Includes red LED lamps.		
26 53 00 00-0030 EA Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign	324.57	35.27
26 53 00 00-0031 EA Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup	493.04	35.27
26 53 00 00-0032 EA Single Face, Aluminum Housing, NEMA 4X, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup	596.33	35.27
26 53 00 00-0033 Remove And Reinstall Exit Light Fixture ^(26 53)		
26 53 00 00-0034 EA Removal And Reinstall Of Exit Light Fixtures	72.38	
Note: Includes storage and cleaning.		
26 53 00 00-0035 Exit Sign Accessories ^(26 53)		
26 53 00 00-0036 EA Polycarbonate Vandal Shield For Exit Signs.....	77.50	9.66
26 53 00 00-0037 EA Wire Guard For Exit Signs Or Emergency Lights.....	47.42	9.66
26 53 00 00-0038 EA Wire Guard For Combination Exit Sign And Emergency Light.....	71.67	7.74
26 53 00 00-0039 EA Replacement Battery For Exit Signs	78.80	12.08
26 55 Special Purpose Lighting ^(26 50)		
26 55 61 Theatrical Lighting ^(26 55)		
26 55 61 00-0001 Stage Lighting ^(26 55 61)		
26 55 61 00-0002 EA Ellipsoidal Spotlight, Two 6" x 9" Lenses	409.47	117.34
Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20A, 3W ground, male pin connector and high performance lamp.		
26 55 61 00-0003 EA Ellipsoidal Spotlight, Two 6" x 12" Lenses	409.47	117.34
Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20A, 3W ground, male pin connector and high performance lamp.		
26 55 61 00-0004 EA Ellipsoidal Spotlight, Two 6" x 16" Lenses	409.47	117.34
Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20A, 3W ground, male pin connector and high performance lamp.		
26 55 61 00-0005 EA 14" Scoop Floodlight Altman #SC14	420.68	117.34
26 55 61 00-0006 EA 6" Diameter Fresnel Spotlight, Spherical Specular Alzak	304.08	117.34
Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, c-clamp, safety cable, color frame, male pin connector and lamp.		
26 55 61 00-0007 EA 8" Diameter Fresnel Spotlight, Spherical Specular Alzak	466.26	117.34
Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, C-clamp, safety cable, color frame, male pin connector and lamp.		
26 55 61 00-0008 EA Follow Spotlight With Steel Chassis And Lightweight	1,299.40	117.34
Note: Aluminum housing, includes lamp adjustment plate, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.		
26 55 61 00-0009 EA Follow Spotlight With Steel Chassis And Lightweight	1,554.67	117.34
Note: Aluminum housing, includes lamp adjustment plate, ballast, electronic power supply, stepdown transformer, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.		
26 55 61 00-0010 EA PAR 64 Can Lighting With 20 Gauge Sheet Steel	264.21	117.34
Note: Formed lamp housing, hinged and latched rear housing secured by retention ring, safety cable, safety screen, PAR 64 lamp, male pin connector.		
26 55 61 00-0011 EA 6' Long Borderlight Sections	783.66	117.34
Note: With continuous sheet steel housing, supported by 1-1/2" x 3/16" steel yoke with C-clamp, includes 30 lights per section wired on 3 circuits, alzak aluminum reflector with matte finish.		
26 55 61 00-0012 EA 1,000 Watt, 25 To 125' Throw, Follow Spotlight (Times Square Lighting QF1000S)	1,671.45	117.34



Electrical	26	26
Lighting	26 50	
Special Purpose Lighting	26 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 55 68 Athletic Field Lighting (26 55)

26 55 68 00-0001 Sports Lighting System (26 55 68)

Note: Musco.

26 55 68 00-0002 Round Steel Tapered Poles (26 55 68 00-0001)

Note: With Internal wiring harness.

26 55 68 00-0003	EA	20' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	2,551.38	511.73
26 55 68 00-0004	EA	25' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	3,071.37	618.35
26 55 68 00-0005	EA	30' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	3,449.12	671.65
26 55 68 00-0006	EA	35' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	3,753.78	698.30
26 55 68 00-0007	EA	40' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	4,634.38	724.96
26 55 68 00-0008	EA	45' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	5,344.80	884.88
26 55 68 00-0009	EA	50' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	5,737.43	938.18
26 55 68 00-0010	EA	55' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	6,517.64	1,066.11
26 55 68 00-0011	EA	60' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	7,394.31	1,199.37
26 55 68 00-0012	EA	65' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	8,168.96	1,319.76
26 55 68 00-0013	EA	70' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	8,927.56	1,475.03
26 55 68 00-0014	EA	75' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	9,757.00	1,656.17
26 55 68 00-0015	EA	80' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	11,011.35	1,992.58

26 55 68 00-0016 Steel Pole Brackets (26 55 68 00-0001)

26 55 68 00-0017	EA	Two Light Bracket.....	391.96	53.31
26 55 68 00-0018	EA	Three Light Bracket.....	494.35	74.62
26 55 68 00-0019	EA	Four Light Bracket.....	708.80	90.62
26 55 68 00-0020	EA	Five Light Bracket.....	809.03	106.61
26 55 68 00-0021	EA	Six Light Bracket.....	979.93	122.60
26 55 68 00-0022	EA	Seven Light Bracket.....	1,121.97	138.59
26 55 68 00-0023	EA	Eight Light Bracket.....	1,282.11	159.92
26 55 68 00-0024	EA	Nine Light Bracket.....	1,447.74	175.91

26 55 68 00-0025 Light Fixtures (26 55 68 00-0001)

26 55 68 00-0026	EA	120 or 270 Volt, Sportlite Fixtures Complete with 1,000 Watt Metal Halide Lamp, Hook Cord And Plug.....	1,617.76	
		For 1,500 Watt Metal Halide Lamp, Add	8.36	

26 55 68 00-0027 Electrical Component Enclosure (26 55 68 00-0001)

Note: Pole mounted NEMA 3R enclosure with thermal magnetic breaker and multiple ballasts to match total light fixtures. For light structures with more than 6 lights, use multiple enclosures.

26 55 68 00-0028	EA	Electrical Component Enclosure For 2 Lights, Pole Mounted.....	597.58	62.73
26 55 68 00-0029	EA	Electrical Component Enclosure For 3 Lights, Pole Mounted.....	898.05	96.51
26 55 68 00-0030	EA	Electrical Component Enclosure For 4 Lights, Pole Mounted.....	1,029.20	120.63
26 55 68 00-0031	EA	Electrical Component Enclosure For 5 Lights, Pole Mounted.....	1,327.79	135.10
26 55 68 00-0032	EA	Electrical Component Enclosure For 6 Lights, Pole Mounted.....	1,490.40	144.75

26 55 68 00-0033 Accessories (26 55 68 00-0001)

26 55 68 00-0034	EA	Time Delay Kit (Musco®).....	681.24	193.28
26 55 68 00-0035	EA	Remote Switch Box Push Button (Musco®).....	1,270.62	193.28
26 55 68 00-0036	EA	Push Button Strobe Kit (Musco®).....	1,506.37	193.28
26 55 68 00-0037	EA	Additional Control-Link Unit (Musco®).....	7,053.46	579.84
26 55 68 00-0038	EA	Auxiliary Brackets For Speakers Or Egress Fixtures, For New Installations (Musco®).....	782.38	96.51
26 55 68 00-0039	EA	Auxiliary Brackets For Speakers Or Egress Fixtures, For Retrofit Applications (Musco®).....	975.38	193.00

26 56 Exterior Lighting (26 50)

26 56 13 Lighting Poles And Standards (26 56)

26 56 13 00-0001 Poles And Standards (26 56 13)

See CSI section 26 05 46 00-0000 for additional poles, 26 05 46 00-0001 for additional pole, 26 56 16 00-0000 for street light fixtures.

26 56 13 00-0002 Roadway Light Poles (26 56 13 00-0001)

Note: Excludes lighting fixtures.

26 56 13 00-0003 Steel Roadway Light Poles (26 56 13 00-0002)

Note: Includes prime painted finish, anchor bolts, steel base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).

26 56 13 00-0004 Round Tapered, Steel Roadway Light Poles (26 56 13 00-0003)

26 56 13 00-0005 Round Tapered, Steel Roadway Light Poles With Upsweep Style Arms (26 56 13 00-0004)

26 56 13 00-0006 Round Tapered, Steel Roadway Light Poles With Single Upsweep Style Arm (26 56 13 00-0005)

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0007	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,214.93	319.84
			For Galvanized Finish, Add	77.26	
			For >10 To 20, Deduct	-80.37	
			For >20 To 40, Deduct	-160.75	
			For >40, Deduct	-257.11	
26 56	13 00-0008	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,221.29	319.84
			For Galvanized Finish, Add	77.45	
			For >10 To 20, Deduct	-80.53	
			For >20 To 40, Deduct	-161.06	
			For >40, Deduct	-257.59	
26 56	13 00-0009	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,472.24	426.45
			For Galvanized Finish, Add	78.58	
			For >10 To 20, Deduct	-86.81	
			For >20 To 40, Deduct	-173.61	
			For >40, Deduct	-281.74	
26 56	13 00-0010	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,548.77	426.45
			For Galvanized Finish, Add	80.88	
			For >10 To 20, Deduct	-88.72	
			For >20 To 40, Deduct	-177.44	
			For >40, Deduct	-287.48	
26 56	13 00-0011	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,625.31	426.45
			For Galvanized Finish, Add	83.17	
			For >10 To 20, Deduct	-90.63	
			For >20 To 40, Deduct	-181.27	
			For >40, Deduct	-293.22	
26 56	13 00-0012	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,748.04	479.76
			For Galvanized Finish, Add	83.66	
			For >10 To 20, Deduct	-93.70	
			For >20 To 40, Deduct	-187.40	
			For >40, Deduct	-305.09	
26 56	13 00-0013	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,784.33	479.76
			For Galvanized Finish, Add	84.74	
			For >10 To 20, Deduct	-94.61	
			For >20 To 40, Deduct	-189.22	
			For >40, Deduct	-307.81	
26 56	13 00-0014	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,791.24	479.76
			For Galvanized Finish, Add	84.95	
			For >10 To 20, Deduct	-94.78	
			For >20 To 40, Deduct	-189.56	
			For >40, Deduct	-308.33	
26 56	13 00-0015	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,973.39	506.40
			For Galvanized Finish, Add	88.82	
			For >10 To 20, Deduct	-99.33	
			For >20 To 40, Deduct	-198.67	
			For >40, Deduct	-323.32	
26 56	13 00-0016	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,000.81	506.40
			For Galvanized Finish, Add	89.64	
			For >10 To 20, Deduct	-100.02	
			For >20 To 40, Deduct	-200.04	
			For >40, Deduct	-325.38	
26 56	13 00-0017	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,030.74	506.40
			For Galvanized Finish, Add	90.54	
			For >10 To 20, Deduct	-100.77	
			For >20 To 40, Deduct	-201.54	
			For >40, Deduct	-327.63	
26 56	13 00-0018	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,620.23	533.05
			For Galvanized Finish, Add	106.62	
			For >10 To 20, Deduct	-115.51	
			For >20 To 40, Deduct	-231.01	
			For >40, Deduct	-373.17	
26 56	13 00-0019	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,629.99	533.05
			For Galvanized Finish, Add	106.92	
			For >10 To 20, Deduct	-115.75	
			For >20 To 40, Deduct	-231.50	
			For >40, Deduct	-373.90	
26 56	13 00-0020	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,639.64	533.05
			For Galvanized Finish, Add	107.21	
			For >10 To 20, Deduct	-115.99	
			For >20 To 40, Deduct	-231.98	
			For >40, Deduct	-374.63	



Electrical	26	
Lighting	26 50	26
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0021 Round Tapered, Steel Roadway Light Poles With Two Upsweep Style Arms <i>(26 56 13 00-0005)</i>		
26 56 13 00-0022 EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	4,016.19	373.14
For Galvanized Finish, Add	98.10	
For >10 To 20, Deduct	-100.40	
For >20 To 40, Deduct	-200.81	
For >40, Deduct	-319.87	
26 56 13 00-0023 EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	4,083.74	386.46
For Galvanized Finish, Add	99.32	
For >10 To 20, Deduct	-102.09	
For >20 To 40, Deduct	-204.19	
For >40, Deduct	-325.60	
26 56 13 00-0024 EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	4,141.20	399.79
For Galvanized Finish, Add	100.25	
For >10 To 20, Deduct	-103.53	
For >20 To 40, Deduct	-207.06	
For >40, Deduct	-330.58	
26 56 13 00-0025 EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,964.27	479.76
For Galvanized Finish, Add	90.14	
For >10 To 20, Deduct	-99.11	
For >20 To 40, Deduct	-198.21	
For >40, Deduct	-321.31	
26 56 13 00-0026 EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	4,007.15	493.07
For Galvanized Finish, Add	90.63	
For >10 To 20, Deduct	-100.18	
For >20 To 40, Deduct	-200.36	
For >40, Deduct	-325.19	
26 56 13 00-0027 EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	4,040.39	506.40
For Galvanized Finish, Add	90.83	
For >10 To 20, Deduct	-101.01	
For >20 To 40, Deduct	-202.02	
For >40, Deduct	-328.35	
26 56 13 00-0028 EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	4,271.32	533.05
For Galvanized Finish, Add	96.16	
For >10 To 20, Deduct	-106.78	
For >20 To 40, Deduct	-213.57	
For >40, Deduct	-347.00	
26 56 13 00-0029 EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	4,307.84	546.38
For Galvanized Finish, Add	96.45	
For >10 To 20, Deduct	-107.70	
For >20 To 40, Deduct	-215.39	
For >40, Deduct	-350.41	
26 56 13 00-0030 EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	4,340.75	559.71
For Galvanized Finish, Add	96.64	
For >10 To 20, Deduct	-108.52	
For >20 To 40, Deduct	-217.04	
For >40, Deduct	-353.54	
26 56 13 00-0031 EA 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	4,534.62	559.71
For Galvanized Finish, Add	102.46	
For >10 To 20, Deduct	-113.37	
For >20 To 40, Deduct	-226.73	
For >40, Deduct	-368.08	
26 56 13 00-0032 EA 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	4,603.70	573.04
For Galvanized Finish, Add	103.73	
For >10 To 20, Deduct	-115.09	
For >20 To 40, Deduct	-230.19	
For >40, Deduct	-373.93	
26 56 13 00-0033 EA 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	4,670.60	586.36
For Galvanized Finish, Add	104.94	
For >10 To 20, Deduct	-116.77	
For >20 To 40, Deduct	-233.53	
For >40, Deduct	-379.61	
26 56 13 00-0034 EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	5,143.75	586.36
For Galvanized Finish, Add	119.13	
For >10 To 20, Deduct	-128.59	
For >20 To 40, Deduct	-257.19	
For >40, Deduct	-415.10	
26 56 13 00-0035 EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	5,176.75	599.69
For Galvanized Finish, Add	119.32	
For >10 To 20, Deduct	-129.42	
For >20 To 40, Deduct	-258.84	
For >40, Deduct	-418.24	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 56 13 00-0036	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	5,209.99		613.02
		<i>For Galvanized Finish, Add</i>	119.52		
		<i>For >10 To 20, Deduct</i>	-130.25		
		<i>For >20 To 40, Deduct</i>	-260.50		
		<i>For >40, Deduct</i>	-421.40		
26 56 13 00-0037 Round Tapered, Steel Roadway Light Poles With Three Upsweep Style Arms					
26 56 13 00-0038	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,671.99		533.05
		<i>For Galvanized Finish, Add</i>	108.18		
		<i>For >10 To 20, Deduct</i>	-116.80		
		<i>For >20 To 40, Deduct</i>	-233.60		
		<i>For >40, Deduct</i>	-377.05		
26 56 13 00-0039	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,731.77		559.71
		<i>For Galvanized Finish, Add</i>	108.37		
		<i>For >10 To 20, Deduct</i>	-118.29		
		<i>For >20 To 40, Deduct</i>	-236.59		
		<i>For >40, Deduct</i>	-382.87		
26 56 13 00-0040	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,801.20		586.36
		<i>For Galvanized Finish, Add</i>	108.85		
		<i>For >10 To 20, Deduct</i>	-120.03		
		<i>For >20 To 40, Deduct</i>	-240.06		
		<i>For >40, Deduct</i>	-389.41		
26 56 13 00-0041	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,940.24		586.36
		<i>For Galvanized Finish, Add</i>	113.03		
		<i>For >10 To 20, Deduct</i>	-123.51		
		<i>For >20 To 40, Deduct</i>	-247.01		
		<i>For >40, Deduct</i>	-399.84		
26 56 13 00-0042	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,003.08		613.02
		<i>For Galvanized Finish, Add</i>	113.31		
		<i>For >10 To 20, Deduct</i>	-125.08		
		<i>For >20 To 40, Deduct</i>	-250.15		
		<i>For >40, Deduct</i>	-405.88		
26 56 13 00-0043	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	5,062.85		639.66
		<i>For Galvanized Finish, Add</i>	113.51		
		<i>For >10 To 20, Deduct</i>	-126.57		
		<i>For >20 To 40, Deduct</i>	-253.14		
		<i>For >40, Deduct</i>	-411.70		
26 56 13 00-0044	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	5,258.23		613.02
		<i>For Galvanized Finish, Add</i>	120.97		
		<i>For >10 To 20, Deduct</i>	-131.46		
		<i>For >20 To 40, Deduct</i>	-262.91		
		<i>For >40, Deduct</i>	-425.02		
26 56 13 00-0045	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,318.01		639.66
		<i>For Galvanized Finish, Add</i>	121.16		
		<i>For >10 To 20, Deduct</i>	-132.95		
		<i>For >20 To 40, Deduct</i>	-265.90		
		<i>For >40, Deduct</i>	-430.83		
26 56 13 00-0046	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	5,377.78		666.32
		<i>For Galvanized Finish, Add</i>	121.35		
		<i>For >10 To 20, Deduct</i>	-134.44		
		<i>For >20 To 40, Deduct</i>	-268.89		
		<i>For >40, Deduct</i>	-436.65		
26 56 13 00-0047	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	5,667.25		639.66
		<i>For Galvanized Finish, Add</i>	131.64		
		<i>For >10 To 20, Deduct</i>	-141.68		
		<i>For >20 To 40, Deduct</i>	-283.36		
		<i>For >40, Deduct</i>	-457.03		
26 56 13 00-0048	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,726.69		666.32
		<i>For Galvanized Finish, Add</i>	131.82		
		<i>For >10 To 20, Deduct</i>	-143.17		
		<i>For >20 To 40, Deduct</i>	-286.33		
		<i>For >40, Deduct</i>	-462.82		
26 56 13 00-0049	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	5,792.94		692.97
		<i>For Galvanized Finish, Add</i>	132.21		
		<i>For >10 To 20, Deduct</i>	-144.82		
		<i>For >20 To 40, Deduct</i>	-289.65		
		<i>For >40, Deduct</i>	-469.12		



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0050			Round Tapered, Steel Roadway Light Poles With Four Upsweep Style Arms		
			<i>(26 56 13 00-0005)</i>		
26 56 13 00-0051	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,198.68	586.36
			<i>For Galvanized Finish, Add</i>	120.78	
			<i>For >10 To 20, Deduct</i>	-129.97	
			<i>For >20 To 40, Deduct</i>	-259.93	
			<i>For >40, Deduct</i>	-419.22	
26 56 13 00-0052	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	5,288.28	626.35
			<i>For Galvanized Finish, Add</i>	121.07	
			<i>For >10 To 20, Deduct</i>	-132.21	
			<i>For >20 To 40, Deduct</i>	-264.41	
			<i>For >40, Deduct</i>	-427.94	
26 56 13 00-0053	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	5,374.60	666.32
			<i>For Galvanized Finish, Add</i>	121.26	
			<i>For >10 To 20, Deduct</i>	-134.37	
			<i>For >20 To 40, Deduct</i>	-268.73	
			<i>For >40, Deduct</i>	-436.41	
26 56 13 00-0054	EA		30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,506.50	639.66
			<i>For Galvanized Finish, Add</i>	126.81	
			<i>For >10 To 20, Deduct</i>	-137.66	
			<i>For >20 To 40, Deduct</i>	-275.33	
			<i>For >40, Deduct</i>	-444.97	
26 56 13 00-0055	EA		30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	5,593.25	679.65
			<i>For Galvanized Finish, Add</i>	127.02	
			<i>For >10 To 20, Deduct</i>	-139.83	
			<i>For >20 To 40, Deduct</i>	-279.66	
			<i>For >40, Deduct</i>	-453.48	
26 56 13 00-0056	EA		30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	5,642.74	719.63
			<i>For Galvanized Finish, Add</i>	126.10	
			<i>For >10 To 20, Deduct</i>	-141.07	
			<i>For >20 To 40, Deduct</i>	-282.14	
			<i>For >40, Deduct</i>	-459.19	
26 56 13 00-0057	EA		35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,927.03	666.32
			<i>For Galvanized Finish, Add</i>	137.83	
			<i>For >10 To 20, Deduct</i>	-148.18	
			<i>For >20 To 40, Deduct</i>	-296.35	
			<i>For >40, Deduct</i>	-477.84	
26 56 13 00-0058	EA		35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	6,057.42	706.30
			<i>For Galvanized Finish, Add</i>	139.34	
			<i>For >10 To 20, Deduct</i>	-151.44	
			<i>For >20 To 40, Deduct</i>	-302.87	
			<i>For >40, Deduct</i>	-489.62	
26 56 13 00-0059	EA		35' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	6,103.27	746.28
			<i>For Galvanized Finish, Add</i>	138.32	
			<i>For >10 To 20, Deduct</i>	-152.58	
			<i>For >20 To 40, Deduct</i>	-305.16	
			<i>For >40, Deduct</i>	-495.06	
26 56 13 00-0060	EA		40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	6,190.43	692.97
			<i>For Galvanized Finish, Add</i>	144.13	
			<i>For >10 To 20, Deduct</i>	-154.76	
			<i>For >20 To 40, Deduct</i>	-309.52	
			<i>For >40, Deduct</i>	-498.93	
26 56 13 00-0061	EA		40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	6,276.75	732.96
			<i>For Galvanized Finish, Add</i>	144.33	
			<i>For >10 To 20, Deduct</i>	-156.92	
			<i>For >20 To 40, Deduct</i>	-313.84	
			<i>For >40, Deduct</i>	-507.40	
26 56 13 00-0062	EA		40' High, 10.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	6,366.35	772.93
			<i>For Galvanized Finish, Add</i>	144.61	
			<i>For >10 To 20, Deduct</i>	-159.16	
			<i>For >20 To 40, Deduct</i>	-318.32	
			<i>For >40, Deduct</i>	-516.12	
26 56 13 00-0063			Round Tapered, Steel Roadway Light Poles With Davit Style Arm		
			<i>(26 56 13 00-0004)</i>		
26 56 13 00-0064			Round Tapered, Steel Roadway Light Poles With Single Davit Style Arm		
			<i>(26 56 13 00-0063)</i>		
26 56 13 00-0065	EA		25' High, 6.4" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	3,709.08	426.45
			<i>For Galvanized Finish, Add</i>	85.69	
			<i>For >10 To 20, Deduct</i>	-92.73	
			<i>For >20 To 40, Deduct</i>	-185.45	
			<i>For >40, Deduct</i>	-299.50	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0066	EA	30' High, 7.1" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	4,198.49	479.76
			<i>For Galvanized Finish, Add</i>	97.17	
			<i>For >10 To 20, Deduct</i>	-104.96	
			<i>For >20 To 40, Deduct</i>	-209.92	
			<i>For >40, Deduct</i>	-338.87	
26 56	13 00-0067	EA	35' High, 7.8" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	4,305.09	506.40
			<i>For Galvanized Finish, Add</i>	98.77	
			<i>For >10 To 20, Deduct</i>	-107.63	
			<i>For >20 To 40, Deduct</i>	-215.25	
			<i>For >40, Deduct</i>	-348.20	
26 56	13 00-0068	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	5,175.95	533.05
			<i>For Galvanized Finish, Add</i>	123.30	
			<i>For >10 To 20, Deduct</i>	-129.40	
			<i>For >20 To 40, Deduct</i>	-258.80	
			<i>For >40, Deduct</i>	-414.85	
26 56	13 00-0069		Round Tapered, Steel Roadway Light Poles With Truss Style Arms <small>(26 56 13 00-0004)</small>		
26 56	13 00-0070		Round Tapered, Steel Roadway Light Poles With Single Truss Style Arm <small>(26 56 13 00-0069)</small>		
26 56	13 00-0071	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,852.42	426.45
			<i>For Galvanized Finish, Add</i>	119.99	
			<i>For >10 To 20, Deduct</i>	-121.31	
			<i>For >20 To 40, Deduct</i>	-242.62	
			<i>For >40, Deduct</i>	-385.25	
26 56	13 00-0072	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,901.43	426.45
			<i>For Galvanized Finish, Add</i>	121.46	
			<i>For >10 To 20, Deduct</i>	-122.54	
			<i>For >20 To 40, Deduct</i>	-245.07	
			<i>For >40, Deduct</i>	-388.93	
26 56	13 00-0073	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,923.80	426.45
			<i>For Galvanized Finish, Add</i>	122.13	
			<i>For >10 To 20, Deduct</i>	-123.10	
			<i>For >20 To 40, Deduct</i>	-246.19	
			<i>For >40, Deduct</i>	-390.61	
26 56	13 00-0074	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	5,008.04	479.76
			<i>For Galvanized Finish, Add</i>	121.46	
			<i>For >10 To 20, Deduct</i>	-125.20	
			<i>For >20 To 40, Deduct</i>	-250.40	
			<i>For >40, Deduct</i>	-399.59	
26 56	13 00-0075	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	5,016.59	479.76
			<i>For Galvanized Finish, Add</i>	121.71	
			<i>For >10 To 20, Deduct</i>	-125.41	
			<i>For >20 To 40, Deduct</i>	-250.83	
			<i>For >40, Deduct</i>	-400.23	
26 56	13 00-0076	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	5,104.97	479.76
			<i>For Galvanized Finish, Add</i>	124.36	
			<i>For >10 To 20, Deduct</i>	-127.62	
			<i>For >20 To 40, Deduct</i>	-255.25	
			<i>For >40, Deduct</i>	-406.86	
26 56	13 00-0077	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	5,090.41	506.40
			<i>For Galvanized Finish, Add</i>	122.33	
			<i>For >10 To 20, Deduct</i>	-127.26	
			<i>For >20 To 40, Deduct</i>	-254.52	
			<i>For >40, Deduct</i>	-407.10	
26 56	13 00-0078	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	5,142.16	506.40
			<i>For Galvanized Finish, Add</i>	123.88	
			<i>For >10 To 20, Deduct</i>	-128.55	
			<i>For >20 To 40, Deduct</i>	-257.11	
			<i>For >40, Deduct</i>	-410.98	
26 56	13 00-0079	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	5,413.55	506.40
			<i>For Galvanized Finish, Add</i>	132.02	
			<i>For >10 To 20, Deduct</i>	-135.34	
			<i>For >20 To 40, Deduct</i>	-270.68	
			<i>For >40, Deduct</i>	-431.34	
26 56	13 00-0080		Round Tapered, Steel Roadway Light Poles With Two Truss Style Arms <small>(26 56 13 00-0069)</small>		



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0081	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	6,369.61	533.05
			<i>For Galvanized Finish, Add</i>	159.11	
			<i>For >10 To 20, Deduct</i>	-159.24	
			<i>For >20 To 40, Deduct</i>	-318.48	
			<i>For >40, Deduct</i>	-504.37	
26 56	13 00-0082	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	6,469.85	559.71
			<i>For Galvanized Finish, Add</i>	160.51	
			<i>For >10 To 20, Deduct</i>	-161.75	
			<i>For >20 To 40, Deduct</i>	-323.49	
			<i>For >40, Deduct</i>	-513.22	
26 56	13 00-0083	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	6,707.37	586.36
			<i>For Galvanized Finish, Add</i>	166.04	
			<i>For >10 To 20, Deduct</i>	-167.68	
			<i>For >20 To 40, Deduct</i>	-335.37	
			<i>For >40, Deduct</i>	-532.37	
26 56	13 00-0084	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	6,449.04	586.36
			<i>For Galvanized Finish, Add</i>	158.29	
			<i>For >10 To 20, Deduct</i>	-161.23	
			<i>For >20 To 40, Deduct</i>	-322.45	
			<i>For >40, Deduct</i>	-513.00	
26 56	13 00-0085	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	6,744.77	613.02
			<i>For Galvanized Finish, Add</i>	165.56	
			<i>For >10 To 20, Deduct</i>	-168.62	
			<i>For >20 To 40, Deduct</i>	-337.24	
			<i>For >40, Deduct</i>	-536.51	
26 56	13 00-0086	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	6,917.39	639.66
			<i>For Galvanized Finish, Add</i>	169.14	
			<i>For >10 To 20, Deduct</i>	-172.93	
			<i>For >20 To 40, Deduct</i>	-345.87	
			<i>For >40, Deduct</i>	-550.79	
26 56	13 00-0087	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	6,637.76	613.02
			<i>For Galvanized Finish, Add</i>	162.35	
			<i>For >10 To 20, Deduct</i>	-165.94	
			<i>For >20 To 40, Deduct</i>	-331.89	
			<i>For >40, Deduct</i>	-528.48	
26 56	13 00-0088	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	7,036.91	639.66
			<i>For Galvanized Finish, Add</i>	172.73	
			<i>For >10 To 20, Deduct</i>	-175.92	
			<i>For >20 To 40, Deduct</i>	-351.85	
			<i>For >40, Deduct</i>	-559.75	
26 56	13 00-0089	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	7,267.84	666.32
			<i>For Galvanized Finish, Add</i>	178.06	
			<i>For >10 To 20, Deduct</i>	-181.70	
			<i>For >20 To 40, Deduct</i>	-363.39	
			<i>For >40, Deduct</i>	-578.40	
26 56	13 00-0090		Aluminum Roadway Light Poles (26 56 13 00-0090) Note: Includes satin finish, anchor bolts, cast aluminum base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).		
26 56	13 00-0091		Round Tapered, Aluminum Roadway Light Poles (26 56 13 00-0090)		
26 56	13 00-0092		Round Tapered, Aluminum Roadway Light Poles With Upsweep Style Arms (26 56 13 00-0091)		
26 56	13 00-0093		Round Tapered, Aluminum Roadway Light Poles With Single Upsweep Style Arm (26 56 13 00-0092)		
26 56	13 00-0094	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,122.43	319.84
			<i>For >10 To 20, Deduct</i>	-78.06	
			<i>For >20 To 40, Deduct</i>	-156.12	
			<i>For >40, Deduct</i>	-250.17	
26 56	13 00-0095	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,152.48	319.84
			<i>For >10 To 20, Deduct</i>	-78.81	
			<i>For >20 To 40, Deduct</i>	-157.62	
			<i>For >40, Deduct</i>	-252.43	
26 56	13 00-0096	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,789.32	426.45
			<i>For >10 To 20, Deduct</i>	-94.73	
			<i>For >20 To 40, Deduct</i>	-189.47	
			<i>For >40, Deduct</i>	-305.52	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0097	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,846.11	426.45
			<i>For >10 To 20, Deduct</i>	-96.15	
			<i>For >20 To 40, Deduct</i>	-192.31	
			<i>For >40, Deduct</i>	-309.78	
26 56	13 00-0098	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,898.33	426.45
			<i>For >10 To 20, Deduct</i>	-97.46	
			<i>For >20 To 40, Deduct</i>	-194.92	
			<i>For >40, Deduct</i>	-313.70	
26 56	13 00-0099	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	4,360.56	479.76
			<i>For >10 To 20, Deduct</i>	-109.01	
			<i>For >20 To 40, Deduct</i>	-218.03	
			<i>For >40, Deduct</i>	-351.03	
26 56	13 00-0100	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	4,408.47	479.76
			<i>For >10 To 20, Deduct</i>	-110.21	
			<i>For >20 To 40, Deduct</i>	-220.42	
			<i>For >40, Deduct</i>	-354.62	
26 56	13 00-0101	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	4,462.06	479.76
			<i>For >10 To 20, Deduct</i>	-111.55	
			<i>For >20 To 40, Deduct</i>	-223.10	
			<i>For >40, Deduct</i>	-358.64	
26 56	13 00-0102	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	5,171.90	506.40
			<i>For >10 To 20, Deduct</i>	-129.30	
			<i>For >20 To 40, Deduct</i>	-258.60	
			<i>For >40, Deduct</i>	-413.21	
26 56	13 00-0103	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	5,219.69	506.40
			<i>For >10 To 20, Deduct</i>	-130.49	
			<i>For >20 To 40, Deduct</i>	-260.98	
			<i>For >40, Deduct</i>	-416.80	
26 56	13 00-0104	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	5,259.73	506.40
			<i>For >10 To 20, Deduct</i>	-131.49	
			<i>For >20 To 40, Deduct</i>	-262.99	
			<i>For >40, Deduct</i>	-419.80	

26 56 13 00-0105 Round Tapered, Aluminum Roadway Light Poles With Two Upsweep Style Arms (26 56 13 00-0092)

26 56	13 00-0106	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,570.25	373.14
			<i>For >10 To 20, Deduct</i>	-89.26	
			<i>For >20 To 40, Deduct</i>	-178.51	
			<i>For >40, Deduct</i>	-286.43	
26 56	13 00-0107	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,864.77	373.14
			<i>For >10 To 20, Deduct</i>	-96.62	
			<i>For >20 To 40, Deduct</i>	-193.24	
			<i>For >40, Deduct</i>	-308.51	
26 56	13 00-0108	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,975.47	399.79
			<i>For >10 To 20, Deduct</i>	-99.39	
			<i>For >20 To 40, Deduct</i>	-198.77	
			<i>For >40, Deduct</i>	-318.15	
26 56	13 00-0109	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	4,221.00	479.76
			<i>For >10 To 20, Deduct</i>	-105.53	
			<i>For >20 To 40, Deduct</i>	-211.05	
			<i>For >40, Deduct</i>	-340.56	
26 56	13 00-0110	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	4,435.12	493.07
			<i>For >10 To 20, Deduct</i>	-110.88	
			<i>For >20 To 40, Deduct</i>	-221.76	
			<i>For >40, Deduct</i>	-357.29	
26 56	13 00-0111	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	4,750.63	506.40
			<i>For >10 To 20, Deduct</i>	-118.77	
			<i>For >20 To 40, Deduct</i>	-237.53	
			<i>For >40, Deduct</i>	-381.62	
26 56	13 00-0112	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	4,895.46	533.05
			<i>For >10 To 20, Deduct</i>	-122.39	
			<i>For >20 To 40, Deduct</i>	-244.77	
			<i>For >40, Deduct</i>	-393.81	
26 56	13 00-0113	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	5,096.03	546.38
			<i>For >10 To 20, Deduct</i>	-127.40	
			<i>For >20 To 40, Deduct</i>	-254.80	
			<i>For >40, Deduct</i>	-409.52	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0114	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	5,344.17	559.71
			<i>For >10 To 20, Deduct</i>	-133.60	
			<i>For >20 To 40, Deduct</i>	-267.21	
			<i>For >40, Deduct</i>	-428.80	
26 56 13 00-0115	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	5,604.69	559.71
			<i>For >10 To 20, Deduct</i>	-140.12	
			<i>For >20 To 40, Deduct</i>	-280.23	
			<i>For >40, Deduct</i>	-448.34	
26 56 13 00-0116	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	6,173.56	573.04
			<i>For >10 To 20, Deduct</i>	-154.34	
			<i>For >20 To 40, Deduct</i>	-308.68	
			<i>For >40, Deduct</i>	-491.67	
26 56 13 00-0117	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	6,837.67	586.36
			<i>For >10 To 20, Deduct</i>	-170.94	
			<i>For >20 To 40, Deduct</i>	-341.88	
			<i>For >40, Deduct</i>	-542.14	
26 56 13 00-0118 Round Tapered, Aluminum Roadway Light Poles With Three Upsweep Style Arms					
26 56 13 00-0119	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,150.97	426.45
			<i>For >10 To 20, Deduct</i>	-103.77	
			<i>For >20 To 40, Deduct</i>	-207.55	
			<i>For >40, Deduct</i>	-332.65	
26 56 13 00-0120	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,442.51	453.10
			<i>For >10 To 20, Deduct</i>	-111.06	
			<i>For >20 To 40, Deduct</i>	-222.13	
			<i>For >40, Deduct</i>	-355.84	
26 56 13 00-0121	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	5,031.07	533.05
			<i>For >10 To 20, Deduct</i>	-125.78	
			<i>For >20 To 40, Deduct</i>	-251.55	
			<i>For >40, Deduct</i>	-403.98	
26 56 13 00-0122	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	5,241.93	559.71
			<i>For >10 To 20, Deduct</i>	-131.05	
			<i>For >20 To 40, Deduct</i>	-262.10	
			<i>For >40, Deduct</i>	-421.13	
26 56 13 00-0123	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	5,489.49	586.36
			<i>For >10 To 20, Deduct</i>	-137.24	
			<i>For >20 To 40, Deduct</i>	-274.47	
			<i>For >40, Deduct</i>	-441.03	
26 56 13 00-0124	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	5,678.41	613.02
			<i>For >10 To 20, Deduct</i>	-141.96	
			<i>For >20 To 40, Deduct</i>	-283.92	
			<i>For >40, Deduct</i>	-456.53	
26 56 13 00-0125	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	5,960.48	613.02
			<i>For >10 To 20, Deduct</i>	-149.01	
			<i>For >20 To 40, Deduct</i>	-298.02	
			<i>For >40, Deduct</i>	-477.69	
26 56 13 00-0126	EA		35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	6,514.39	639.66
			<i>For >10 To 20, Deduct</i>	-162.86	
			<i>For >20 To 40, Deduct</i>	-325.72	
			<i>For >40, Deduct</i>	-520.56	
26 56 13 00-0127	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	6,682.30	666.32
			<i>For >10 To 20, Deduct</i>	-167.06	
			<i>For >20 To 40, Deduct</i>	-334.12	
			<i>For >40, Deduct</i>	-534.49	
26 56 13 00-0128 Round Tapered, Aluminum Roadway Light Poles With Four Upsweep Style Arms					
26 56 13 00-0129	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,256.84	479.76
			<i>For >10 To 20, Deduct</i>	-106.42	
			<i>For >20 To 40, Deduct</i>	-212.84	
			<i>For >40, Deduct</i>	-343.25	
26 56 13 00-0130	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	4,437.17	479.76
			<i>For >10 To 20, Deduct</i>	-110.93	
			<i>For >20 To 40, Deduct</i>	-221.86	
			<i>For >40, Deduct</i>	-356.78	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0131	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,500.70	586.36
			<i>For >10 To 20, Deduct</i>	-137.52	
			<i>For >20 To 40, Deduct</i>	-275.04	
			<i>For >40, Deduct</i>	-441.87	
26 56	13 00-0132	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,965.09	626.35
			<i>For >10 To 20, Deduct</i>	-149.13	
			<i>For >20 To 40, Deduct</i>	-298.25	
			<i>For >40, Deduct</i>	-478.70	
26 56	13 00-0133	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	6,237.36	639.66
			<i>For >10 To 20, Deduct</i>	-155.93	
			<i>For >20 To 40, Deduct</i>	-311.87	
			<i>For >40, Deduct</i>	-499.79	
26 56	13 00-0134	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	6,661.84	679.65
			<i>For >10 To 20, Deduct</i>	-166.55	
			<i>For >20 To 40, Deduct</i>	-333.09	
			<i>For >40, Deduct</i>	-533.62	
26 56	13 00-0135	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	6,576.56	666.32
			<i>For >10 To 20, Deduct</i>	-164.41	
			<i>For >20 To 40, Deduct</i>	-328.83	
			<i>For >40, Deduct</i>	-526.56	
26 56	13 00-0136	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	7,539.33	706.30
			<i>For >10 To 20, Deduct</i>	-188.48	
			<i>For >20 To 40, Deduct</i>	-376.97	
			<i>For >40, Deduct</i>	-600.76	
26 56	13 00-0137	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	8,385.20	746.28
			<i>For >10 To 20, Deduct</i>	-209.63	
			<i>For >20 To 40, Deduct</i>	-419.26	
			<i>For >40, Deduct</i>	-666.20	
26 56	13 00-0138		Round Tapered, Aluminum Roadway Light Poles With Truss Style Arms <small>(26 56 13 00-0091)</small>		
26 56	13 00-0139		Round Tapered, Aluminum Roadway Light Poles With Single Truss Style Arm <small>(26 56 13 00-0138)</small>		
26 56	13 00-0140	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	4,623.73	426.45
			<i>For >10 To 20, Deduct</i>	-115.59	
			<i>For >20 To 40, Deduct</i>	-231.19	
			<i>For >40, Deduct</i>	-368.10	
26 56	13 00-0141	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,663.88	426.45
			<i>For >10 To 20, Deduct</i>	-116.60	
			<i>For >20 To 40, Deduct</i>	-233.19	
			<i>For >40, Deduct</i>	-371.11	
26 56	13 00-0142	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,766.49	426.45
			<i>For >10 To 20, Deduct</i>	-119.16	
			<i>For >20 To 40, Deduct</i>	-238.32	
			<i>For >40, Deduct</i>	-378.81	
26 56	13 00-0143	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,920.46	426.45
			<i>For >10 To 20, Deduct</i>	-123.01	
			<i>For >20 To 40, Deduct</i>	-246.02	
			<i>For >40, Deduct</i>	-390.36	
26 56	13 00-0144	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	5,206.42	479.76
			<i>For >10 To 20, Deduct</i>	-130.16	
			<i>For >20 To 40, Deduct</i>	-260.32	
			<i>For >40, Deduct</i>	-414.47	
26 56	13 00-0145	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	5,296.95	479.76
			<i>For >10 To 20, Deduct</i>	-132.42	
			<i>For >20 To 40, Deduct</i>	-264.85	
			<i>For >40, Deduct</i>	-421.26	
26 56	13 00-0146	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	5,393.52	479.76
			<i>For >10 To 20, Deduct</i>	-134.84	
			<i>For >20 To 40, Deduct</i>	-269.68	
			<i>For >40, Deduct</i>	-428.50	
26 56	13 00-0147	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	5,976.03	479.76
			<i>For >10 To 20, Deduct</i>	-149.40	
			<i>For >20 To 40, Deduct</i>	-298.80	
			<i>For >40, Deduct</i>	-472.19	
26 56	13 00-0148	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	5,673.97	506.40
			<i>For >10 To 20, Deduct</i>	-141.85	
			<i>For >20 To 40, Deduct</i>	-283.70	
			<i>For >40, Deduct</i>	-450.87	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0149	EA		35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	6,421.42	506.40
			<i>For >10 To 20, Deduct</i>	-160.54	
			<i>For >20 To 40, Deduct</i>	-321.07	
			<i>For >40, Deduct</i>	-506.93	
26 56 13 00-0150	EA		35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	6,494.21	506.40
			<i>For >10 To 20, Deduct</i>	-162.36	
			<i>For >20 To 40, Deduct</i>	-324.71	
			<i>For >40, Deduct</i>	-512.39	
26 56 13 00-0151	EA		35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	6,956.38	506.40
			<i>For >10 To 20, Deduct</i>	-173.91	
			<i>For >20 To 40, Deduct</i>	-347.82	
			<i>For >40, Deduct</i>	-547.05	
26 56 13 00-0152	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	7,377.89	506.40
			<i>For >10 To 20, Deduct</i>	-184.45	
			<i>For >20 To 40, Deduct</i>	-368.89	
			<i>For >40, Deduct</i>	-578.66	
26 56 13 00-0153			Round Tapered, Aluminum Roadway Light Poles With Two Truss Style Arms		
			<small>(26 56 13 00-0138)</small>		
26 56 13 00-0154	EA		25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	6,024.13	533.05
			<i>For >10 To 20, Deduct</i>	-150.60	
			<i>For >20 To 40, Deduct</i>	-301.21	
			<i>For >40, Deduct</i>	-478.46	
26 56 13 00-0155	EA		25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	6,180.05	559.71
			<i>For >10 To 20, Deduct</i>	-154.50	
			<i>For >20 To 40, Deduct</i>	-309.00	
			<i>For >40, Deduct</i>	-491.49	
26 56 13 00-0156	EA		25' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	6,299.38	586.36
			<i>For >10 To 20, Deduct</i>	-157.48	
			<i>For >20 To 40, Deduct</i>	-314.97	
			<i>For >40, Deduct</i>	-501.77	
26 56 13 00-0157	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	6,475.28	586.36
			<i>For >10 To 20, Deduct</i>	-161.88	
			<i>For >20 To 40, Deduct</i>	-323.76	
			<i>For >40, Deduct</i>	-514.96	
26 56 13 00-0158	EA		30' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	7,063.42	613.02
			<i>For >10 To 20, Deduct</i>	-176.59	
			<i>For >20 To 40, Deduct</i>	-353.17	
			<i>For >40, Deduct</i>	-560.41	
26 56 13 00-0159	EA		30' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	8,171.99	639.66
			<i>For >10 To 20, Deduct</i>	-204.30	
			<i>For >20 To 40, Deduct</i>	-408.60	
			<i>For >40, Deduct</i>	-644.88	
26 56 13 00-0160	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	7,909.77	613.02
			<i>For >10 To 20, Deduct</i>	-197.74	
			<i>For >20 To 40, Deduct</i>	-395.49	
			<i>For >40, Deduct</i>	-623.88	
26 56 13 00-0161	EA		35' High, 10" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	8,049.06	639.66
			<i>For >10 To 20, Deduct</i>	-201.23	
			<i>For >20 To 40, Deduct</i>	-402.45	
			<i>For >40, Deduct</i>	-635.66	
26 56 13 00-0162	EA		35' High, 10" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	9,906.91	666.32
			<i>For >10 To 20, Deduct</i>	-247.67	
			<i>For >20 To 40, Deduct</i>	-495.35	
			<i>For >40, Deduct</i>	-776.33	
26 56 13 00-0163			Round Tapered, Aluminum Roadway Light Poles With Davit Style Arm		
			<small>(26 56 13 00-0091)</small>		
26 56 13 00-0164			Round Tapered, Aluminum Roadway Light Poles With Single Davit Style Arm		
			<small>(26 56 13 00-0163)</small>		
26 56 13 00-0165	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	3,824.29	319.84
			<i>For >10 To 20, Deduct</i>	-95.61	
			<i>For >20 To 40, Deduct</i>	-191.21	
			<i>For >40, Deduct</i>	-302.81	
26 56 13 00-0166	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base.....	3,937.74	319.84
			<i>For >10 To 20, Deduct</i>	-98.44	
			<i>For >20 To 40, Deduct</i>	-196.89	
			<i>For >40, Deduct</i>	-311.32	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0167	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,051.43	319.84
			<i>For >10 To 20, Deduct</i>	-101.29	
			<i>For >20 To 40, Deduct</i>	-202.57	
			<i>For >40, Deduct</i>	-319.85	
26 56	13 00-0168	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	4,501.41	426.45
			<i>For >10 To 20, Deduct</i>	-112.54	
			<i>For >20 To 40, Deduct</i>	-225.07	
			<i>For >40, Deduct</i>	-358.93	
26 56	13 00-0169	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,587.88	426.45
			<i>For >10 To 20, Deduct</i>	-114.70	
			<i>For >20 To 40, Deduct</i>	-229.39	
			<i>For >40, Deduct</i>	-365.41	
26 56	13 00-0170	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,682.36	426.45
			<i>For >10 To 20, Deduct</i>	-117.06	
			<i>For >20 To 40, Deduct</i>	-234.12	
			<i>For >40, Deduct</i>	-372.50	
26 56	13 00-0171	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	5,082.01	479.76
			<i>For >10 To 20, Deduct</i>	-127.05	
			<i>For >20 To 40, Deduct</i>	-254.10	
			<i>For >40, Deduct</i>	-405.14	
26 56	13 00-0172	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	5,199.40	479.76
			<i>For >10 To 20, Deduct</i>	-129.99	
			<i>For >20 To 40, Deduct</i>	-259.97	
			<i>For >40, Deduct</i>	-413.94	
26 56	13 00-0173	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	5,217.01	479.76
			<i>For >10 To 20, Deduct</i>	-130.43	
			<i>For >20 To 40, Deduct</i>	-260.85	
			<i>For >40, Deduct</i>	-415.26	
26 56	13 00-0174	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	5,553.01	506.40
			<i>For >10 To 20, Deduct</i>	-138.83	
			<i>For >20 To 40, Deduct</i>	-277.65	
			<i>For >40, Deduct</i>	-441.80	
26 56	13 00-0175	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	5,604.50	506.40
			<i>For >10 To 20, Deduct</i>	-140.11	
			<i>For >20 To 40, Deduct</i>	-280.23	
			<i>For >40, Deduct</i>	-445.66	
26 56	13 00-0176	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	5,725.22	506.40
			<i>For >10 To 20, Deduct</i>	-143.13	
			<i>For >20 To 40, Deduct</i>	-286.26	
			<i>For >40, Deduct</i>	-454.71	
26 56	13 00-0177		Area Light Poles <small>(26 56 13 00-0001)</small> Note: Excludes lighting fixtures.		
26 56	13 00-0178		Steel Area Light Poles <small>(26 56 13 00-0177)</small> Note: Includes powdercoat finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
26 56	13 00-0179		Round Straight, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56	13 00-0180		Round Straight, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0179)</small>		
26 56	13 00-0181	EA	10' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	826.71	186.57
			<i>For Galvanized Finish, Add</i>	13.61	
			<i>For >10 To 20, Deduct</i>	-27.47	
			<i>For >20 To 40, Deduct</i>	-50.41	
			<i>For >40, Deduct</i>	-105.35	
26 56	13 00-0182	EA	12' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	905.15	213.22
			<i>For Galvanized Finish, Add</i>	14.36	
			<i>For >10 To 20, Deduct</i>	-29.81	
			<i>For >20 To 40, Deduct</i>	-54.83	
			<i>For >40, Deduct</i>	-114.45	
26 56	13 00-0183	EA	14' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,012.48	239.87
			<i>For Galvanized Finish, Add</i>	15.98	
			<i>For >10 To 20, Deduct</i>	-33.30	
			<i>For >20 To 40, Deduct</i>	-61.28	
			<i>For >40, Deduct</i>	-127.88	
26 56	13 00-0184	EA	16' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,122.31	266.53
			<i>For Galvanized Finish, Add</i>	17.68	
			<i>For >10 To 20, Deduct</i>	-36.90	
			<i>For >20 To 40, Deduct</i>	-67.90	
			<i>For >40, Deduct</i>	-141.69	
26 56	13 00-0185	EA	18' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,200.75	293.18
			<i>For Galvanized Finish, Add</i>	18.43	
			<i>For >10 To 20, Deduct</i>	-39.23	
			<i>For >20 To 40, Deduct</i>	-72.33	
			<i>For >40, Deduct</i>	-150.79	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0186 EA 20' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,272.90 19.00 -41.32 -76.31 -158.95	319.84
26 56 13 00-0187 EA 10' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	859.37 14.59 -28.78 -52.69 -110.25	186.57
26 56 13 00-0188 EA 12' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	939.07 15.38 -31.17 -57.21 -119.54	213.22
26 56 13 00-0189 EA 14' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,080.33 18.02 -36.02 -66.03 -138.06	239.87
26 56 13 00-0190 EA 16' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,166.29 19.00 -38.66 -70.98 -148.29	266.53
26 56 13 00-0191 EA 18' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,248.49 19.86 -41.14 -75.67 -157.96	293.18
26 56 13 00-0192 EA 20' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,318.13 20.35 -43.13 -79.48 -165.74	319.84
26 56 13 00-0193 EA 25' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,577.84 21.75 -50.32 -93.39 -194.03	426.45
26 56 13 00-0194 EA 10' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	859.37 14.59 -28.78 -52.69 -110.25	186.57
26 56 13 00-0195 EA 12' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	942.84 15.49 -31.32 -57.47 -120.10	213.22
26 56 13 00-0196 EA 14' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,100.43 18.62 -36.82 -67.43 -141.08	239.87
26 56 13 00-0197 EA 16' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,170.05 19.11 -38.81 -71.24 -148.86	266.53
26 56 13 00-0198 EA 18' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,248.49 19.86 -41.14 -75.67 -157.96	293.18
26 56 13 00-0199 EA 20' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,318.13 20.35 -43.13 -79.48 -165.74	319.84
26 56 13 00-0200 EA 25' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,613.02 22.80 -51.73 -95.85 -199.31	426.45
26 56 13 00-0201 EA 30' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,784.97 24.76 -57.01 -105.76 -219.77	479.76
26 56 13 00-0202 EA 20' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,398.54 22.77 -46.35 -85.10 -177.80	319.84

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0203	EA	25' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,629.36	426.45
		<i>For Galvanized Finish, Add</i>	23.29	
		<i>For >10 To 20, Deduct</i>	-52.38	
		<i>For >20 To 40, Deduct</i>	-97.00	
		<i>For >40, Deduct</i>	-201.76	
26 56 13 00-0204	EA	30' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,816.38	479.76
		<i>For Galvanized Finish, Add</i>	25.71	
		<i>For >10 To 20, Deduct</i>	-58.26	
		<i>For >20 To 40, Deduct</i>	-107.96	
		<i>For >40, Deduct</i>	-224.48	
26 56 13 00-0205 Round Tapered, Steel Area Light Poles (26 56 13 00-0178)				
26 56 13 00-0206 Round Tapered, Steel Area Light Poles, Anchor Base (26 56 13 00-0205)				
26 56 13 00-0207	EA	20' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	1,682.49	319.84
		<i>For Galvanized Finish, Add</i>	31.28	
		<i>For >10 To 20, Deduct</i>	-57.70	
		<i>For >20 To 40, Deduct</i>	-104.98	
		<i>For >40, Deduct</i>	-220.39	
26 56 13 00-0208	EA	20' High, 6.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	1,721.44	319.84
		<i>For Galvanized Finish, Add</i>	32.45	
		<i>For >10 To 20, Deduct</i>	-59.26	
		<i>For >20 To 40, Deduct</i>	-107.71	
		<i>For >40, Deduct</i>	-226.23	
26 56 13 00-0209	EA	25' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,020.10	426.45
		<i>For Galvanized Finish, Add</i>	35.02	
		<i>For >10 To 20, Deduct</i>	-68.01	
		<i>For >20 To 40, Deduct</i>	-124.35	
		<i>For >40, Deduct</i>	-260.37	
26 56 13 00-0210	EA	25' High, 7.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,100.52	426.45
		<i>For Galvanized Finish, Add</i>	37.43	
		<i>For >10 To 20, Deduct</i>	-71.23	
		<i>For >20 To 40, Deduct</i>	-129.98	
		<i>For >40, Deduct</i>	-272.43	
26 56 13 00-0211	EA	30' High, 6.60" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,252.36	479.76
		<i>For Galvanized Finish, Add</i>	38.79	
		<i>For >10 To 20, Deduct</i>	-75.70	
		<i>For >20 To 40, Deduct</i>	-138.48	
		<i>For >40, Deduct</i>	-289.88	
26 56 13 00-0212	EA	30' High, 8.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,386.79	479.76
		<i>For Galvanized Finish, Add</i>	42.82	
		<i>For >10 To 20, Deduct</i>	-81.08	
		<i>For >20 To 40, Deduct</i>	-147.89	
		<i>For >40, Deduct</i>	-310.04	
26 56 13 00-0213	EA	35' High, 7.30" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,467.74	506.40
		<i>For Galvanized Finish, Add</i>	43.65	
		<i>For >10 To 20, Deduct</i>	-83.52	
		<i>For >20 To 40, Deduct</i>	-152.49	
		<i>For >40, Deduct</i>	-319.52	
26 56 13 00-0214	EA	35' High, 8.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,550.67	506.40
		<i>For Galvanized Finish, Add</i>	46.14	
		<i>For >10 To 20, Deduct</i>	-86.83	
		<i>For >20 To 40, Deduct</i>	-158.29	
		<i>For >40, Deduct</i>	-331.96	
26 56 13 00-0215	EA	35' High, 9.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,749.18	506.40
		<i>For Galvanized Finish, Add</i>	52.09	
		<i>For >10 To 20, Deduct</i>	-94.78	
		<i>For >20 To 40, Deduct</i>	-172.19	
		<i>For >40, Deduct</i>	-361.74	
26 56 13 00-0216	EA	39' High, 7.82" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,787.41	533.05
		<i>For Galvanized Finish, Add</i>	51.64	
		<i>For >10 To 20, Deduct</i>	-95.50	
		<i>For >20 To 40, Deduct</i>	-173.80	
		<i>For >40, Deduct</i>	-364.81	
26 56 13 00-0217	EA	39' High, 9.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,822.59	533.05
		<i>For Galvanized Finish, Add</i>	52.69	
		<i>For >10 To 20, Deduct</i>	-96.91	
		<i>For >20 To 40, Deduct</i>	-176.26	
		<i>For >40, Deduct</i>	-370.08	
26 56 13 00-0218	EA	45' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	3,819.64	692.97
		<i>For Galvanized Finish, Add</i>	73.01	
		<i>For >10 To 20, Deduct</i>	-132.00	
		<i>For >20 To 40, Deduct</i>	-239.66	
		<i>For >40, Deduct</i>	-503.65	
26 56 13 00-0219	EA	50' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	4,025.32	799.58
		<i>For Galvanized Finish, Add</i>	72.78	
		<i>For >10 To 20, Deduct</i>	-137.03	
		<i>For >20 To 40, Deduct</i>	-249.79	
		<i>For >40, Deduct</i>	-523.84	
26 56 13 00-0220	EA	25' High, 7.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,645.80	426.45
		<i>For Galvanized Finish, Add</i>	53.79	
		<i>For >10 To 20, Deduct</i>	-93.04	
		<i>For >20 To 40, Deduct</i>	-168.15	
		<i>For >40, Deduct</i>	-354.23	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0221	EA	30' High, 8.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,001.18 61.25 -105.65 -190.89 -402.20	479.76
26 56	13 00-0222	EA	39' High, 9.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,464.62 71.96 -122.59 -221.20 -466.39	533.05
26 56	13 00-0223	EA	45' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,211.64 84.77 -147.68 -267.10 -562.45	692.97
26 56	13 00-0224	EA	50' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,909.84 99.32 -172.41 -311.71 -656.52	799.58
26 56	13 00-0225	EA	50' High, 11.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,421.20 114.66 -192.86 -347.50 -733.22	799.58
26 56	13 00-0226	EA	50' High, 13.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	7,129.93 165.92 -261.21 -467.11 -989.53	799.58
26 56	13 00-0227	EA	50' High, 13.00" Base OD, 3 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	7,959.17 190.80 -294.38 -525.16 -1,113.92	799.58
26 56 13 00-0228 Square Straight, Steel Area Light Poles <small>(26 56 13 00-0178)</small>					
26 56 13 00-0229 Square Straight, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0228)</small>					
26 56	13 00-0230	EA	10' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	816.66 13.31 -27.07 -49.70 -103.84	186.57
26 56	13 00-0231	EA	12' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	869.97 13.31 -28.40 -52.37 -109.17	213.22
26 56	13 00-0232	EA	14' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	944.64 13.95 -30.59 -56.53 -117.71	239.87
26 56	13 00-0233	EA	15' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,001.43 14.85 -32.46 -59.97 -124.89	253.20
26 56	13 00-0234	EA	16' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,028.08 14.85 -33.13 -61.30 -127.56	266.53
26 56	13 00-0235	EA	18' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,095.21 15.27 -35.01 -64.94 -134.96	293.18
26 56	13 00-0236	EA	20' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,159.82 15.60 -36.80 -68.39 -141.99	319.84
26 56	13 00-0237	EA	25' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,448.43 17.87 -45.14 -84.33 -174.62	426.45
26 56	13 00-0238	EA	20' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,329.43 20.69 -43.58 -80.27 -167.43	319.84

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0239 EA 25' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,682.13	426.45
For Galvanized Finish, Add	24.88	
For >10 To 20, Deduct	-54.49	
For >20 To 40, Deduct	-100.69	
For >40, Deduct	-209.68	
26 56 13 00-0240 EA 30' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,925.69	479.76
For Galvanized Finish, Add	28.99	
For >10 To 20, Deduct	-62.64	
For >20 To 40, Deduct	-115.61	
For >40, Deduct	-240.88	
26 56 13 00-0241 EA 20' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,282.95	319.84
For Galvanized Finish, Add	19.30	
For >10 To 20, Deduct	-41.72	
For >20 To 40, Deduct	-77.01	
For >40, Deduct	-160.46	
26 56 13 00-0242 EA 25' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,591.67	426.45
For Galvanized Finish, Add	22.16	
For >10 To 20, Deduct	-50.87	
For >20 To 40, Deduct	-94.36	
For >40, Deduct	-196.11	
26 56 13 00-0243 EA 30' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,847.79	479.76
For Galvanized Finish, Add	26.65	
For >10 To 20, Deduct	-59.52	
For >20 To 40, Deduct	-110.16	
For >40, Deduct	-229.19	
26 56 13 00-0244 EA 20' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,442.51	319.84
For Galvanized Finish, Add	24.09	
For >10 To 20, Deduct	-48.11	
For >20 To 40, Deduct	-88.18	
For >40, Deduct	-184.39	
26 56 13 00-0245 EA 25' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,795.21	426.45
For Galvanized Finish, Add	28.27	
For >10 To 20, Deduct	-59.02	
For >20 To 40, Deduct	-108.61	
For >40, Deduct	-226.64	
26 56 13 00-0246 EA 30' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,032.48	479.76
For Galvanized Finish, Add	32.19	
For >10 To 20, Deduct	-66.91	
For >20 To 40, Deduct	-123.08	
For >40, Deduct	-256.90	
26 56 13 00-0247 EA 35' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,241.59	506.40
For Galvanized Finish, Add	36.86	
For >10 To 20, Deduct	-74.47	
For >20 To 40, Deduct	-136.66	
For >40, Deduct	-285.60	
26 56 13 00-0248 EA 30' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,280.00	479.76
For Galvanized Finish, Add	39.62	
For >10 To 20, Deduct	-76.81	
For >20 To 40, Deduct	-140.41	
For >40, Deduct	-294.03	
26 56 13 00-0249 EA 35' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,490.36	506.40
For Galvanized Finish, Add	44.33	
For >10 To 20, Deduct	-84.42	
For >20 To 40, Deduct	-154.07	
For >40, Deduct	-322.91	
26 56 13 00-0250 EA 40' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,632.87	533.05
For Galvanized Finish, Add	47.00	
For >10 To 20, Deduct	-89.32	
For >20 To 40, Deduct	-162.98	
For >40, Deduct	-341.63	
26 56 13 00-0251 Hinged, Square Straight, Steel Area Light Poles (26 56 13 00-0178)		
26 56 13 00-0252 Hinged, Square Straight, Steel Area Light Poles, Anchor Base (26 56 13 00-0251)		
26 56 13 00-0253 EA 20' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,723.07	319.84
For Galvanized Finish, Add	62.50	
For >10 To 20, Deduct	-99.33	
For >20 To 40, Deduct	-177.82	
For >40, Deduct	-376.48	
26 56 13 00-0254 EA 25' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	3,077.95	426.45
For Galvanized Finish, Add	66.75	
For >10 To 20, Deduct	-110.32	
For >20 To 40, Deduct	-198.40	
For >40, Deduct	-419.05	
26 56 13 00-0255 EA 30' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,242.97	479.76
For Galvanized Finish, Add	98.50	
For >10 To 20, Deduct	-155.33	
For >20 To 40, Deduct	-277.82	
For >40, Deduct	-588.47	
26 56 13 00-0256 EA 20' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,773.85	319.84
For Galvanized Finish, Add	64.03	
For >10 To 20, Deduct	-101.36	
For >20 To 40, Deduct	-181.38	
For >40, Deduct	-384.09	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0257	EA	25' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,373.29 75.61 -122.14 -219.07 -463.35	426.45
26 56	13 00-0258	EA	30' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,682.64 111.69 -172.91 -308.59 -654.42	479.76
26 56	13 00-0259	EA	35' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,349.34 130.10 -198.78 -354.20 -751.76	506.40
26 56	13 00-0260	EA	39' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	6,253.91 155.63 -234.16 -416.45 -884.78	533.05
26 56	13 00-0261	EA	20' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,642.88 60.10 -96.12 -172.21 -364.45	319.84
26 56	13 00-0262	EA	25' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,949.66 62.90 -105.19 -189.42 -399.80	426.45
26 56	13 00-0263	EA	30' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,017.12 91.73 -146.29 -262.01 -554.59	479.76
26 56	13 00-0264	EA	20' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,735.09 62.86 -99.81 -178.66 -378.28	319.84
26 56	13 00-0265	EA	25' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,253.02 72.00 -117.33 -210.65 -445.31	426.45
26 56	13 00-0266	EA	30' High, 6.44" OD, 7 Gauge, Hinged Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,515.59 106.68 -166.23 -296.90 -629.36	479.76
26 56	13 00-0267	EA	20' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,876.75 67.11 -105.48 -188.58 -399.53	319.84
26 56	13 00-0268	EA	25' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,508.27 79.66 -127.54 -228.52 -483.60	426.45
26 56	13 00-0269	EA	30' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,816.28 115.70 -178.26 -317.95 -674.47	479.76
26 56	13 00-0270	EA	35' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,512.38 134.99 -205.30 -365.61 -776.22	506.40
26 56	13 00-0271	EA	39' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	6,340.78 158.24 -237.64 -422.53 -897.81	533.05
26 56	13 00-0272		Square Tapered, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56	13 00-0273		Square Tapered, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0272)</small>		
26 56	13 00-0274	EA	20' High, 5.25" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,105.90 43.99 -74.64 -134.62 -283.90	319.84



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0275 EA 25' High, 6.00" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	2,577.95	426.45
For Galvanized Finish, Add	51.75	
For >10 To 20, Deduct	-90.32	
For >20 To 40, Deduct	-163.40	
For >40, Deduct	-344.05	
26 56 13 00-0276 EA 30' High, 6.41" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	2,871.77	479.76
For Galvanized Finish, Add	57.37	
For >10 To 20, Deduct	-100.48	
For >20 To 40, Deduct	-181.83	
For >40, Deduct	-382.79	
26 56 13 00-0277 EA 35' High, 6.81" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	3,172.60	506.40
For Galvanized Finish, Add	64.79	
For >10 To 20, Deduct	-111.71	
For >20 To 40, Deduct	-201.83	
For >40, Deduct	-425.25	
26 56 13 00-0278 EA 39' High, 7.18" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	3,344.00	533.05
For Galvanized Finish, Add	68.34	
For >10 To 20, Deduct	-117.77	
For >20 To 40, Deduct	-212.76	
For >40, Deduct	-448.29	
26 56 13 00-0279 EA 20' High, 5.50" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	2,670.03	319.84
For Galvanized Finish, Add	60.91	
For >10 To 20, Deduct	-97.21	
For >20 To 40, Deduct	-174.11	
For >40, Deduct	-368.52	
26 56 13 00-0280 EA 25' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	3,020.21	426.45
For Galvanized Finish, Add	65.02	
For >10 To 20, Deduct	-108.02	
For >20 To 40, Deduct	-194.36	
For >40, Deduct	-410.39	
26 56 13 00-0281 EA 30' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	3,233.62	479.76
For Galvanized Finish, Add	68.22	
For >10 To 20, Deduct	-114.95	
For >20 To 40, Deduct	-207.16	
For >40, Deduct	-437.07	
26 56 13 00-0282 EA 30' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	3,565.32	479.76
For Galvanized Finish, Add	78.17	
For >10 To 20, Deduct	-128.22	
For >20 To 40, Deduct	-230.38	
For >40, Deduct	-486.82	
26 56 13 00-0283 EA 35' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	3,857.34	506.40
For Galvanized Finish, Add	85.34	
For >10 To 20, Deduct	-139.10	
For >20 To 40, Deduct	-249.76	
For >40, Deduct	-527.96	
26 56 13 00-0284 EA 35' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	4,268.19	506.40
For Galvanized Finish, Add	97.66	
For >10 To 20, Deduct	-155.54	
For >20 To 40, Deduct	-278.52	
For >40, Deduct	-589.59	
26 56 13 00-0285 EA 39' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	3,929.49	533.05
For Galvanized Finish, Add	85.90	
For >10 To 20, Deduct	-141.19	
For >20 To 40, Deduct	-253.74	
For >40, Deduct	-536.12	
26 56 13 00-0286 EA 39' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	4,940.91	533.05
For Galvanized Finish, Add	116.24	
For >10 To 20, Deduct	-181.64	
For >20 To 40, Deduct	-324.54	
For >40, Deduct	-687.83	
26 56 13 00-0287 EA 45' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	4,675.26	692.97
For Galvanized Finish, Add	98.68	
For >10 To 20, Deduct	-166.22	
For >20 To 40, Deduct	-299.55	
For >40, Deduct	-631.99	
26 56 13 00-0288 EA 45' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	5,365.03	692.97
For Galvanized Finish, Add	119.37	
For >10 To 20, Deduct	-193.81	
For >20 To 40, Deduct	-347.83	
For >40, Deduct	-735.46	
26 56 13 00-0289 EA 50' High, 8.81" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	5,613.43	799.58
For Galvanized Finish, Add	120.43	
For >10 To 20, Deduct	-200.55	
For >20 To 40, Deduct	-360.96	
For >40, Deduct	-762.06	
26 56 13 00-0290 Factory Accessories For Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0291 EA 1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Steel Area Light Poles.....	44.55	
26 56 13 00-0292 EA Extra Handhole For Steel Area Light Poles	66.25	
26 56 13 00-0293 EA Vibration Dampener For Steel Area Light Poles	67.39	
26 56 13 00-0294 Aluminum Area Light Poles <small>(26 56 13 00-0177)</small>		
Note: Includes satin brushed or painted finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0295 Round Straight, Aluminum Area Light Poles <small>(26 56 13 00-0294)</small>		
26 56 13 00-0296 Round Straight, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0295)</small>		
26 56 13 00-0297 EA 8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	870.29	159.92
For Bronze Or Satin Anodized Finish, Add	55.05	
For Black Anodized Finish, Add	110.09	
For >10 To 20, Deduct	-30.01	
For >20 To 40, Deduct	-54.52	
For >40, Deduct	-114.55	
26 56 13 00-0298 EA 10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	951.82	186.57
For Bronze Or Satin Anodized Finish, Add	57.87	
For Black Anodized Finish, Add	115.74	
For >10 To 20, Deduct	-32.48	
For >20 To 40, Deduct	-59.16	
For >40, Deduct	-124.12	
26 56 13 00-0299 EA 12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,040.41	213.22
For Bronze Or Satin Anodized Finish, Add	61.40	
For Black Anodized Finish, Add	122.79	
For >10 To 20, Deduct	-35.22	
For >20 To 40, Deduct	-64.30	
For >40, Deduct	-134.74	
26 56 13 00-0300 EA 14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,130.42	239.87
For Bronze Or Satin Anodized Finish, Add	65.07	
For Black Anodized Finish, Add	130.13	
For >10 To 20, Deduct	-38.02	
For >20 To 40, Deduct	-69.53	
For >40, Deduct	-145.58	
26 56 13 00-0301 EA 15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,181.05	253.20
For Bronze Or Satin Anodized Finish, Add	67.47	
For Black Anodized Finish, Add	134.93	
For >10 To 20, Deduct	-39.65	
For >20 To 40, Deduct	-72.55	
For >40, Deduct	-151.84	
26 56 13 00-0302 EA 16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,230.29	266.53
For Bronze Or Satin Anodized Finish, Add	69.72	
For Black Anodized Finish, Add	139.45	
For >10 To 20, Deduct	-41.22	
For >20 To 40, Deduct	-75.46	
For >40, Deduct	-157.89	
26 56 13 00-0303 EA 16' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,314.97	266.53
For Bronze Or Satin Anodized Finish, Add	78.19	
For Black Anodized Finish, Add	156.38	
For >10 To 20, Deduct	-44.60	
For >20 To 40, Deduct	-81.39	
For >40, Deduct	-170.59	
26 56 13 00-0304 EA 18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,421.91	293.18
For Bronze Or Satin Anodized Finish, Add	83.56	
For Black Anodized Finish, Add	167.11	
For >10 To 20, Deduct	-48.08	
For >20 To 40, Deduct	-87.81	
For >40, Deduct	-183.97	
26 56 13 00-0305 EA 20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,520.38	319.84
For Bronze Or Satin Anodized Finish, Add	88.07	
For Black Anodized Finish, Add	176.14	
For >10 To 20, Deduct	-51.22	
For >20 To 40, Deduct	-93.63	
For >40, Deduct	-196.07	
26 56 13 00-0306 EA 15' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,492.98	253.20
For Bronze Or Satin Anodized Finish, Add	98.66	
For Black Anodized Finish, Add	197.32	
For >10 To 20, Deduct	-52.12	
For >20 To 40, Deduct	-94.38	
For >40, Deduct	-198.63	
26 56 13 00-0307 EA 20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,832.30	319.84
For Bronze Or Satin Anodized Finish, Add	119.26	
For Black Anodized Finish, Add	238.53	
For >10 To 20, Deduct	-63.70	
For >20 To 40, Deduct	-115.47	
For >40, Deduct	-242.86	
26 56 13 00-0308 EA 20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,990.38	319.84
For Bronze Or Satin Anodized Finish, Add	135.07	
For Black Anodized Finish, Add	270.14	
For >10 To 20, Deduct	-70.02	
For >20 To 40, Deduct	-126.53	
For >40, Deduct	-266.57	
26 56 13 00-0309 EA 25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	2,351.81	426.45
For Bronze Or Satin Anodized Finish, Add	149.89	
For Black Anodized Finish, Add	299.78	
For >10 To 20, Deduct	-81.28	
For >20 To 40, Deduct	-147.57	
For >40, Deduct	-310.13	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0310	EA		30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,739.29 177.98 355.96 -95.18 -172.56 -362.92	479.76
26 56 13 00-0311	EA		20' High, 4" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,617.77 97.81 195.62 -55.12 -100.45 -210.68	319.84
26 56 13 00-0312	EA		20' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,977.68 133.80 267.60 -69.51 -125.64 -264.67	319.84
26 56 13 00-0313	EA		25' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,329.22 147.63 295.27 -80.38 -145.99 -306.74	426.45
26 56 13 00-0314	EA		25' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,533.88 168.10 336.20 -88.56 -160.31 -337.44	426.45
26 56 13 00-0315	EA		30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,970.76 201.13 402.25 -104.44 -188.76 -397.64	479.76
26 56 13 00-0316 Round Straight, Aluminum Area Light Poles, Hinged Anchor Base (26 56 13 00-0295)					
26 56 13 00-0317	EA		8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,014.25 104.16 -35.77 -64.60 -136.15	159.92
26 56 13 00-0318	EA		10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,124.01 112.63 -39.36 -71.22 -149.94	186.57
26 56 13 00-0319	EA		12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,228.13 120.25 -42.73 -77.44 -162.90	213.22
26 56 13 00-0320	EA		14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,305.43 123.85 -45.02 -81.78 -171.83	239.87
26 56 13 00-0321	EA		16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,399.66 129.99 -47.99 -87.32 -183.30	266.53
26 56 13 00-0322	EA		10' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,153.65 117.08 -40.55 -73.29 -154.39	186.57
26 56 13 00-0323	EA		12' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,254.95 124.28 -43.80 -79.32 -166.92	213.22
26 56 13 00-0324	EA		14' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,360.48 132.11 -47.22 -85.64 -180.08	239.87
26 56 13 00-0325	EA		16' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,464.58 139.73 -50.59 -91.86 -193.03	266.53



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0326 EA 18' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,575.76 148.41 -54.24 -98.58 -207.05	293.18
26 56 13 00-0327 EA 20' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,678.46 155.82 -57.54 -104.70 -219.79	319.84
26 56 13 00-0328 EA 12' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,309.99 132.53 -46.00 -83.17 -175.18	213.22
26 56 13 00-0329 EA 14' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,425.40 141.85 -49.82 -90.18 -189.82	239.87
26 56 13 00-0330 EA 16' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,539.39 150.95 -53.58 -97.10 -204.26	266.53
26 56 13 00-0331 EA 18' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,656.21 160.48 -57.45 -104.21 -219.11	293.18
26 56 13 00-0332 EA 16' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,618.42 162.81 -56.74 -102.63 -216.11	266.53
26 56 13 00-0333 EA 20' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,863.35 183.55 -64.94 -117.64 -247.52	319.84
26 56 13 00-0334 EA 12' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,362.21 140.36 -48.09 -86.83 -183.01	213.22
26 56 13 00-0335 EA 14' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,493.15 152.01 -52.53 -94.93 -199.98	239.87
26 56 13 00-0336 EA 16' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,609.96 161.54 -56.40 -102.04 -214.84	266.53
26 56 13 00-0337 EA 18' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,735.25 172.33 -60.61 -109.74 -230.97	293.18
26 56 13 00-0338 EA 20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,856.30 182.50 -64.66 -117.15 -246.46	319.84
26 56 13 00-0339 EA 16' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,712.99 176.99 -60.52 -109.25 -230.30	266.53
26 56 13 00-0340 EA 18' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,850.98 189.69 -65.24 -117.84 -248.33	293.18
26 56 13 00-0341 EA 20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,900.05 189.06 -66.41 -120.21 -253.02	319.84

26 56 13 00-0342 Round Straight, Aluminum Area Light Poles, Direct Burial (26 56 13 00-0295)
Note: Includes rubberized undercoating on embedded portion.

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0343 EA 10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	785.93	133.26
For Bronze Or Satin Anodized Finish, Add	51.94	
For Black Anodized Finish, Add	103.88	
For >10 To 20, Deduct	-27.44	
For >20 To 40, Deduct	-49.68	
For >40, Deduct	-104.56	
26 56 13 00-0344 EA 12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	839.40	146.59
For Bronze Or Satin Anodized Finish, Add	54.62	
For Black Anodized Finish, Add	109.24	
For >10 To 20, Deduct	-29.18	
For >20 To 40, Deduct	-52.89	
For >40, Deduct	-111.25	
26 56 13 00-0345 EA 14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	929.57	159.92
For Bronze Or Satin Anodized Finish, Add	60.97	
For Black Anodized Finish, Add	121.95	
For >10 To 20, Deduct	-32.39	
For >20 To 40, Deduct	-58.67	
For >40, Deduct	-123.44	
26 56 13 00-0346 EA 15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	962.03	159.92
For Bronze Or Satin Anodized Finish, Add	64.22	
For Black Anodized Finish, Add	128.44	
For >10 To 20, Deduct	-33.68	
For >20 To 40, Deduct	-60.95	
For >40, Deduct	-128.31	
26 56 13 00-0347 EA 16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	1,002.96	159.92
For Bronze Or Satin Anodized Finish, Add	68.31	
For Black Anodized Finish, Add	136.62	
For >10 To 20, Deduct	-35.32	
For >20 To 40, Deduct	-63.81	
For >40, Deduct	-134.45	
26 56 13 00-0348 EA 18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,153.82	173.25
For Bronze Or Satin Anodized Finish, Add	80.73	
For Black Anodized Finish, Add	161.47	
For >10 To 20, Deduct	-40.96	
For >20 To 40, Deduct	-73.84	
For >40, Deduct	-155.75	
26 56 13 00-0349 EA 20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,232.69	186.57
For Bronze Or Satin Anodized Finish, Add	85.96	
For Black Anodized Finish, Add	171.91	
For >10 To 20, Deduct	-43.71	
For >20 To 40, Deduct	-78.83	
For >40, Deduct	-166.25	
26 56 13 00-0350 EA 20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,451.46	186.57
For Bronze Or Satin Anodized Finish, Add	107.83	
For Black Anodized Finish, Add	215.66	
For >10 To 20, Deduct	-52.46	
For >20 To 40, Deduct	-94.14	
For >40, Deduct	-199.06	
26 56 13 00-0351 EA 25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,785.64	213.22
For Bronze Or Satin Anodized Finish, Add	135.92	
For Black Anodized Finish, Add	271.84	
For >10 To 20, Deduct	-65.03	
For >20 To 40, Deduct	-116.47	
For >40, Deduct	-246.52	
26 56 13 00-0352 EA 30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	2,028.08	239.87
For Bronze Or Satin Anodized Finish, Add	154.83	
For Black Anodized Finish, Add	309.66	
For >10 To 20, Deduct	-73.93	
For >20 To 40, Deduct	-132.37	
For >40, Deduct	-280.22	
26 56 13 00-0353 EA 30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Direct Burial	2,286.36	239.87
For Bronze Or Satin Anodized Finish, Add	180.66	
For Black Anodized Finish, Add	361.32	
For >10 To 20, Deduct	-84.26	
For >20 To 40, Deduct	-150.45	
For >40, Deduct	-318.97	

26 56 13 00-0354 Round Tapered, Aluminum Area Light Poles (26 56 13 00-0294)

26 56 13 00-0355 Round Tapered, Aluminum Area Light Poles, Anchor Base (26 56 13 00-0354)

26 56 13 00-0356 EA 8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	719.27	159.92
For Bronze Or Satin Anodized Finish, Add	39.94	
For Black Anodized Finish, Add	79.89	
For >10 To 20, Deduct	-23.97	
For >20 To 40, Deduct	-43.95	
For >40, Deduct	-91.90	
26 56 13 00-0357 EA 10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	805.03	186.57
For Bronze Or Satin Anodized Finish, Add	43.19	
For Black Anodized Finish, Add	86.38	
For >10 To 20, Deduct	-26.60	
For >20 To 40, Deduct	-48.89	
For >40, Deduct	-102.10	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0358	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	890.80 46.44 92.87 -29.24 -53.83 -112.30	213.22
26 56	13 00-0359	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	989.28 50.95 101.90 -32.37 -59.65 -124.40	239.87
26 56	13 00-0360	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,086.32 55.33 110.65 -35.46 -65.38 -136.30	266.53
26 56	13 00-0361	EA	10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	841.73 46.86 93.72 -28.07 -51.46 -107.60	186.57
26 56	13 00-0362	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	948.67 52.22 104.44 -31.55 -57.88 -120.98	213.22
26 56	13 00-0363	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,051.38 57.16 114.32 -34.86 -64.00 -133.72	239.87
26 56	13 00-0364	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,246.90 66.05 132.11 -41.08 -75.56 -157.72	293.18
26 56	13 00-0365	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,335.49 69.58 139.17 -43.82 -80.69 -168.34	319.84
26 56	13 00-0366	EA	12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,000.89 57.44 114.89 -33.64 -61.53 -128.81	213.22
26 56	13 00-0367	EA	14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,112.07 63.23 126.46 -37.29 -68.25 -142.82	239.87
26 56	13 00-0368	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,233.11 70.01 140.01 -41.33 -75.66 -158.31	266.53
26 56	13 00-0369	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,328.76 74.24 148.48 -44.36 -81.29 -170.00	293.18
26 56	13 00-0370	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,444.16 80.45 160.90 -48.17 -88.30 -184.64	319.84
26 56	13 00-0371	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,371.43 83.84 167.68 -46.86 -85.34 -179.06	266.53

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0372	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,505.19 91.88 183.77 -51.41 -93.64 -196.46	293.18
26 56	13 00-0373	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,581.07 94.14 188.28 -53.65 -97.88 -205.18	319.84
26 56	13 00-0374	EA	23' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,813.31 106.70 213.41 -61.34 -112.01 -234.68	373.14
26 56	13 00-0375	EA	25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,054.00 120.11 240.22 -69.37 -126.72 -265.46	426.45
26 56	13 00-0376	EA	18' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,643.51 105.72 211.43 -56.95 -103.32 -217.21	293.18
26 56	13 00-0377	EA	20' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,749.03 110.94 221.87 -60.37 -109.64 -230.37	319.84
26 56	13 00-0378	EA	23' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,945.98 119.97 239.94 -66.65 -121.29 -254.58	373.14
26 56	13 00-0379	EA	25' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,155.62 130.27 260.55 -73.43 -133.84 -280.70	426.45
26 56	13 00-0380	EA	28' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,323.26 141.71 283.41 -79.34 -144.50 -303.18	453.10
26 56	13 00-0381	EA	30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,493.70 153.42 306.84 -85.36 -155.37 -326.08	479.76
26 56	13 00-0382	EA	23' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,077.24 133.10 266.19 -71.90 -130.48 -274.27	373.14
26 56	13 00-0383	EA	25' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,243.13 139.02 278.05 -76.93 -139.96 -293.83	426.45
26 56	13 00-0384	EA	28' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,417.82 151.16 302.32 -83.12 -151.12 -317.36	453.10
26 56	13 00-0385	EA	30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,640.49 168.10 336.20 -91.23 -165.64 -348.10	479.76



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0386 EA 33' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,730.65	493.07
For Bronze Or Satin Anodized Finish, Add	174.45	
For Black Anodized Finish, Add	348.90	
For >10 To 20, Deduct	-94.43	
For >20 To 40, Deduct	-171.42	
For >40, Deduct	-360.29	
26 56 13 00-0387 EA 35' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,928.09	506.40
For Bronze Or Satin Anodized Finish, Add	191.53	
For Black Anodized Finish, Add	383.06	
For >10 To 20, Deduct	-101.93	
For >20 To 40, Deduct	-184.71	
For >40, Deduct	-388.57	
26 56 13 00-0388 EA 12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,058.76	213.22
For Bronze Or Satin Anodized Finish, Add	63.23	
For Black Anodized Finish, Add	126.46	
For >10 To 20, Deduct	-35.95	
For >20 To 40, Deduct	-65.58	
For >40, Deduct	-137.49	
26 56 13 00-0389 EA 14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,179.82	239.87
For Bronze Or Satin Anodized Finish, Add	70.01	
For Black Anodized Finish, Add	140.01	
For >10 To 20, Deduct	-40.00	
For >20 To 40, Deduct	-72.99	
For >40, Deduct	-152.99	
26 56 13 00-0390 EA 16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,306.50	266.53
For Bronze Or Satin Anodized Finish, Add	77.35	
For Black Anodized Finish, Add	154.69	
For >10 To 20, Deduct	-44.26	
For >20 To 40, Deduct	-80.79	
For >40, Deduct	-169.32	
26 56 13 00-0391 EA 18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,417.68	293.18
For Bronze Or Satin Anodized Finish, Add	83.13	
For Black Anodized Finish, Add	166.26	
For >10 To 20, Deduct	-47.91	
For >20 To 40, Deduct	-87.51	
For >40, Deduct	-183.33	
26 56 13 00-0392 EA 20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,527.44	319.84
For Bronze Or Satin Anodized Finish, Add	88.78	
For Black Anodized Finish, Add	177.56	
For >10 To 20, Deduct	-51.50	
For >20 To 40, Deduct	-94.13	
For >40, Deduct	-197.13	
26 56 13 00-0393 EA 16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,460.35	266.53
For Bronze Or Satin Anodized Finish, Add	92.73	
For Black Anodized Finish, Add	185.46	
For >10 To 20, Deduct	-50.42	
For >20 To 40, Deduct	-91.56	
For >40, Deduct	-192.40	
26 56 13 00-0394 EA 18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,598.34	293.18
For Bronze Or Satin Anodized Finish, Add	101.20	
For Black Anodized Finish, Add	202.40	
For >10 To 20, Deduct	-55.14	
For >20 To 40, Deduct	-100.16	
For >40, Deduct	-210.43	
26 56 13 00-0395 EA 20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,692.57	319.84
For Bronze Or Satin Anodized Finish, Add	105.29	
For Black Anodized Finish, Add	210.58	
For >10 To 20, Deduct	-58.11	
For >20 To 40, Deduct	-105.69	
For >40, Deduct	-221.90	
26 56 13 00-0396 EA 23' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,917.75	373.14
For Bronze Or Satin Anodized Finish, Add	117.15	
For Black Anodized Finish, Add	234.29	
For >10 To 20, Deduct	-65.52	
For >20 To 40, Deduct	-119.32	
For >40, Deduct	-250.35	
26 56 13 00-0397 EA 25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,151.39	426.45
For Bronze Or Satin Anodized Finish, Add	129.85	
For Black Anodized Finish, Add	259.70	
For >10 To 20, Deduct	-73.26	
For >20 To 40, Deduct	-133.54	
For >40, Deduct	-280.06	
26 56 13 00-0398 EA 23' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,236.73	373.14
For Bronze Or Satin Anodized Finish, Add	149.05	
For Black Anodized Finish, Add	298.09	
For >10 To 20, Deduct	-78.28	
For >20 To 40, Deduct	-141.65	
For >40, Deduct	-298.20	
26 56 13 00-0399 EA 25' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,454.84	426.45
For Bronze Or Satin Anodized Finish, Add	160.20	
For Black Anodized Finish, Add	320.39	
For >10 To 20, Deduct	-85.40	
For >20 To 40, Deduct	-154.78	
For >40, Deduct	-325.58	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0400	EA	28' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,646.47 174.03 348.05 -92.27 -167.13 -351.66	453.10
26 56	13 00-0401	EA	30' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,814.09 185.46 370.92 -98.17 -177.80 -374.14	479.76
26 56	13 00-0402	EA	33' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,977.65 199.15 398.30 -104.31 -188.71 -397.34	493.07
26 56	13 00-0403	EA	35' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,118.63 210.58 421.16 -109.55 -198.05 -417.15	506.40
26 56	13 00-0404	EA	37' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,237.03 219.76 439.51 -113.89 -205.80 -433.58	519.73
26 56	13 00-0405	EA	39' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,461.27 239.52 479.03 -122.46 -220.97 -465.89	533.05
26 56	13 00-0406	EA	28' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,256.20 235.00 470.00 -116.66 -209.81 -443.12	453.10
26 56	13 00-0407	EA	30' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,519.80 256.03 512.06 -126.40 -227.20 -480.00	479.76
26 56	13 00-0408	EA	33' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,711.58 272.54 545.09 -133.67 -240.09 -507.43	493.07
26 56	13 00-0409	EA	35' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,853.98 284.12 568.23 -138.97 -249.52 -527.46	506.40
26 56	13 00-0410	EA	37' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,927.20 288.77 577.55 -141.50 -254.11 -537.11	519.73
26 56	13 00-0411	EA	39' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,175.45 310.93 621.87 -151.03 -270.96 -573.01	533.05
26 56	13 00-0412	EA	28' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,062.83 215.66 431.33 -108.92 -196.27 -414.11	453.10
26 56	13 00-0413	EA	30' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,301.03 234.15 468.31 -117.65 -211.88 -447.18	479.76



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0414 EA 33' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,391.19	493.07
For Bronze Or Satin Anodized Finish, Add	240.50	
For Black Anodized Finish, Add	481.01	
For >10 To 20, Deduct	-120.86	
For >20 To 40, Deduct	-217.66	
For >40, Deduct	-459.37	
26 56 13 00-0415 EA 35' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,643.68	506.40
For Bronze Or Satin Anodized Finish, Add	263.09	
For Black Anodized Finish, Add	526.17	
For >10 To 20, Deduct	-130.56	
For >20 To 40, Deduct	-234.80	
For >40, Deduct	-495.91	
26 56 13 00-0416 EA 37' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,760.66	519.73
For Bronze Or Satin Anodized Finish, Add	272.12	
For Black Anodized Finish, Add	544.24	
For >10 To 20, Deduct	-134.83	
For >20 To 40, Deduct	-242.46	
For >40, Deduct	-512.13	
26 56 13 00-0417 EA 39' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,010.31	533.05
For Bronze Or Satin Anodized Finish, Add	294.42	
For Black Anodized Finish, Add	588.84	
For >10 To 20, Deduct	-144.42	
For >20 To 40, Deduct	-259.40	
For >40, Deduct	-548.24	
26 56 13 00-0418 EA 28' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,946.38	453.10
For Bronze Or Satin Anodized Finish, Add	304.02	
For Black Anodized Finish, Add	608.04	
For >10 To 20, Deduct	-144.26	
For >20 To 40, Deduct	-258.12	
For >40, Deduct	-546.65	
26 56 13 00-0419 EA 30' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,171.87	479.76
For Bronze Or Satin Anodized Finish, Add	321.24	
For Black Anodized Finish, Add	642.47	
For >10 To 20, Deduct	-152.48	
For >20 To 40, Deduct	-272.84	
For >40, Deduct	-577.81	
26 56 13 00-0420 EA 33' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,366.48	493.07
For Bronze Or Satin Anodized Finish, Add	338.03	
For Black Anodized Finish, Add	676.07	
For >10 To 20, Deduct	-159.87	
For >20 To 40, Deduct	-285.93	
For >40, Deduct	-605.66	
26 56 13 00-0421 EA 35' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,675.42	506.40
For Bronze Or Satin Anodized Finish, Add	366.26	
For Black Anodized Finish, Add	732.52	
For >10 To 20, Deduct	-171.82	
For >20 To 40, Deduct	-307.02	
For >40, Deduct	-650.67	
26 56 13 00-0422 EA 37' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,733.12	519.73
For Bronze Or Satin Anodized Finish, Add	369.37	
For Black Anodized Finish, Add	738.73	
For >10 To 20, Deduct	-173.73	
For >20 To 40, Deduct	-310.53	
For >40, Deduct	-658.00	
26 56 13 00-0423 EA 39' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	5,040.64	533.05
For Bronze Or Satin Anodized Finish, Add	397.45	
For Black Anodized Finish, Add	794.91	
For >10 To 20, Deduct	-185.63	
For >20 To 40, Deduct	-331.52	
For >40, Deduct	-702.79	
26 56 13 00-0424 EA 48' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	6,227.18	799.58
For Bronze Or Satin Anodized Finish, Add	462.80	
For Black Anodized Finish, Add	925.60	
For >10 To 20, Deduct	-225.10	
For >20 To 40, Deduct	-403.92	
For >40, Deduct	-854.12	
26 56 13 00-0425 EA 50' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	6,402.20	799.58
For Bronze Or Satin Anodized Finish, Add	480.30	
For Black Anodized Finish, Add	960.61	
For >10 To 20, Deduct	-232.10	
For >20 To 40, Deduct	-416.17	
For >40, Deduct	-880.37	
26 56 13 00-0426 Round Tapered, Aluminum Area Light Poles, Hinged Anchor Base (26 56 13 00-0354)		
26 56 13 00-0427 EA 8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,022.72	159.92
For Bronze, Satin Or Black Anodized Finish, Add	105.43	
For >10 To 20, Deduct	-36.11	
For >20 To 40, Deduct	-65.19	
For >40, Deduct	-137.42	
26 56 13 00-0428 EA 10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,105.66	186.57
For Bronze, Satin Or Black Anodized Finish, Add	109.88	
For >10 To 20, Deduct	-38.63	
For >20 To 40, Deduct	-69.93	
For >40, Deduct	-147.19	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0429	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,190.02 114.54 -41.20 -74.77 -157.18	213.22
26 56	13 00-0430	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,277.21 119.62 -43.89 -79.81 -167.59	239.87
26 56	13 00-0431	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,362.96 124.49 -46.52 -84.75 -177.79	266.53
26 56	13 00-0432	EA	10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,122.60 112.42 -39.31 -71.12 -149.73	186.57
26 56	13 00-0433	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,209.78 117.50 -41.99 -76.16 -160.14	213.22
26 56	13 00-0434	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,299.79 123.00 -44.80 -81.39 -170.98	239.87
26 56	13 00-0435	EA	16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,388.36 128.30 -47.54 -86.52 -181.60	266.53
26 56	13 00-0436	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,495.31 136.34 -51.02 -92.94 -194.98	293.18
26 56	13 00-0437	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,589.54 142.48 -53.99 -98.47 -206.45	319.84
26 56	13 00-0438	EA	12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,264.83 125.76 -44.20 -80.01 -168.40	213.22
26 56	13 00-0439	EA	14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,361.89 132.32 -47.28 -85.74 -180.30	239.87
26 56	13 00-0440	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,475.87 141.42 -51.04 -92.65 -194.73	266.53
26 56	13 00-0441	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,575.76 148.41 -54.24 -98.58 -207.05	293.18
26 56	13 00-0442	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,693.98 158.15 -58.16 -105.79 -222.11	319.84
26 56	13 00-0443	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,556.32 153.49 -54.26 -98.28 -206.80	266.53
26 56	13 00-0444	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,684.44 164.71 -58.58 -106.18 -223.35	293.18
26 56	13 00-0445	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,781.49 171.27 -61.66 -111.91 -235.24	319.84



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0446	EA		12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,308.58 132.32 -45.95 -83.07 -174.96	213.22
26 56 13 00-0447	EA		14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,428.23 142.27 -49.93 -90.38 -190.25	239.87
26 56 13 00-0448	EA		16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,556.32 153.49 -54.26 -98.28 -206.80	266.53
26 56 13 00-0449	EA		18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,667.50 162.17 -57.90 -105.00 -220.81	293.18
26 56 13 00-0450	EA		20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,788.55 172.33 -61.95 -112.41 -236.30	319.84
26 56 13 00-0451	EA		16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,648.06 167.25 -57.93 -104.70 -220.56	266.53
26 56 13 00-0452	EA		18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,787.47 180.17 -62.70 -113.40 -238.80	293.18
26 56 13 00-0453	EA		20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,891.58 187.79 -66.07 -119.62 -251.75	319.84
26 56 13 00-0454 Round Tapered, Aluminum Area Light Poles, Direct Burial (26 56 13 00-0354)					
Note: Includes rubberized undercoating on embedded portion.					
26 56 13 00-0455	EA		8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	684.31 41.78 83.56 -23.37 -42.57 -89.32	133.26
26 56 13 00-0456	EA		10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	723.83 45.73 91.46 -24.96 -45.34 -95.25	133.26
26 56 13 00-0457	EA		12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	782.94 48.98 97.95 -26.92 -48.94 -102.78	146.59
26 56 13 00-0458	EA		14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	832.18 51.23 102.47 -28.49 -51.86 -108.84	159.92
26 56 13 00-0459	EA		16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	882.99 56.32 112.63 -30.52 -55.41 -116.46	159.92
26 56 13 00-0460	EA		12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	821.05 52.79 105.57 -28.44 -51.61 -108.50	146.59
26 56 13 00-0461	EA		14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	887.23 56.74 113.48 -30.69 -55.71 -117.09	159.92

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0462	EA		16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	915.46	159.92
			<i>For Bronze Or Satin Anodized Finish, Add</i>	59.56	
			<i>For Black Anodized Finish, Add</i>	119.12	
			<i>For >10 To 20, Deduct</i>	-31.82	
			<i>For >20 To 40, Deduct</i>	-57.69	
			<i>For >40, Deduct</i>	-121.33	
26 56 13 00-0463	EA		18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	987.27	173.25
			<i>For Bronze Or Satin Anodized Finish, Add</i>	64.08	
			<i>For Black Anodized Finish, Add</i>	128.16	
			<i>For >10 To 20, Deduct</i>	-34.29	
			<i>For >20 To 40, Deduct</i>	-62.18	
			<i>For >40, Deduct</i>	-130.77	
26 56 13 00-0464	EA		20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,053.44	186.57
			<i>For Bronze Or Satin Anodized Finish, Add</i>	68.03	
			<i>For Black Anodized Finish, Add</i>	136.06	
			<i>For >10 To 20, Deduct</i>	-36.54	
			<i>For >20 To 40, Deduct</i>	-66.28	
			<i>For >40, Deduct</i>	-139.36	
26 56 13 00-0465	EA		16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	997.32	159.92
			<i>For Bronze Or Satin Anodized Finish, Add</i>	67.75	
			<i>For Black Anodized Finish, Add</i>	135.50	
			<i>For >10 To 20, Deduct</i>	-35.10	
			<i>For >20 To 40, Deduct</i>	-63.42	
			<i>For >40, Deduct</i>	-133.61	
26 56 13 00-0466	EA		18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,077.60	173.25
			<i>For Bronze Or Satin Anodized Finish, Add</i>	73.11	
			<i>For Black Anodized Finish, Add</i>	146.22	
			<i>For >10 To 20, Deduct</i>	-37.91	
			<i>For >20 To 40, Deduct</i>	-68.50	
			<i>For >40, Deduct</i>	-144.32	
26 56 13 00-0467	EA		20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,150.83	186.57
			<i>For Bronze Or Satin Anodized Finish, Add</i>	77.77	
			<i>For Black Anodized Finish, Add</i>	155.54	
			<i>For >10 To 20, Deduct</i>	-40.44	
			<i>For >20 To 40, Deduct</i>	-73.10	
			<i>For >40, Deduct</i>	-153.97	
26 56 13 00-0468	EA		18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,193.34	173.25
			<i>For Bronze Or Satin Anodized Finish, Add</i>	84.69	
			<i>For Black Anodized Finish, Add</i>	169.37	
			<i>For >10 To 20, Deduct</i>	-42.54	
			<i>For >20 To 40, Deduct</i>	-76.60	
			<i>For >40, Deduct</i>	-161.68	
26 56 13 00-0469	EA		25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,537.23	213.22
			<i>For Bronze Or Satin Anodized Finish, Add</i>	111.08	
			<i>For Black Anodized Finish, Add</i>	222.16	
			<i>For >10 To 20, Deduct</i>	-55.09	
			<i>For >20 To 40, Deduct</i>	-99.08	
			<i>For >40, Deduct</i>	-209.26	
26 56 13 00-0470	EA		25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,696.72	213.22
			<i>For Bronze Or Satin Anodized Finish, Add</i>	127.03	
			<i>For Black Anodized Finish, Add</i>	254.05	
			<i>For >10 To 20, Deduct</i>	-61.47	
			<i>For >20 To 40, Deduct</i>	-110.24	
			<i>For >40, Deduct</i>	-233.19	
26 56 13 00-0471	EA		30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,886.94	239.87
			<i>For Bronze Or Satin Anodized Finish, Add</i>	140.72	
			<i>For Black Anodized Finish, Add</i>	281.44	
			<i>For >10 To 20, Deduct</i>	-68.28	
			<i>For >20 To 40, Deduct</i>	-122.49	
			<i>For >40, Deduct</i>	-259.05	
26 56 13 00-0472	EA		30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	2,060.54	239.87
			<i>For Bronze Or Satin Anodized Finish, Add</i>	158.08	
			<i>For Black Anodized Finish, Add</i>	316.16	
			<i>For >10 To 20, Deduct</i>	-75.23	
			<i>For >20 To 40, Deduct</i>	-134.64	
			<i>For >40, Deduct</i>	-285.09	
26 56 13 00-0473			Square Straight, Aluminum Area Light Poles <small>(26 56 13 00-0294)</small>		
26 56 13 00-0474			Square Straight, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0473)</small>		
26 56 13 00-0475	EA		8' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	902.75	159.92
			<i>For Bronze Or Satin Anodized Finish, Add</i>	58.29	
			<i>For Black Anodized Finish, Add</i>	116.58	
			<i>For >10 To 20, Deduct</i>	-31.31	
			<i>For >20 To 40, Deduct</i>	-56.80	
			<i>For >40, Deduct</i>	-119.42	
26 56 13 00-0476	EA		10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	985.69	186.57
			<i>For Bronze Or Satin Anodized Finish, Add</i>	61.26	
			<i>For Black Anodized Finish, Add</i>	122.51	
			<i>For >10 To 20, Deduct</i>	-33.83	
			<i>For >20 To 40, Deduct</i>	-61.54	
			<i>For >40, Deduct</i>	-129.20	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0477	EA	12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,079.93 65.35 130.70 -36.80 -67.07 -140.67	213.22
26 56	13 00-0478	EA	14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,172.76 69.30 138.60 -39.71 -72.50 -151.93	239.87
26 56	13 00-0479	EA	15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,224.81 71.84 143.68 -41.40 -75.61 -158.40	253.20
26 56	13 00-0480	EA	16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,276.86 74.38 148.76 -43.08 -78.72 -164.88	266.53
26 56	13 00-0481	EA	18' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,378.16 79.18 158.36 -46.33 -84.74 -177.41	293.18
26 56	13 00-0482	EA	20' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,492.15 85.25 170.50 -50.09 -91.66 -191.84	319.84
26 56	13 00-0483	EA	16' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,374.25 84.12 168.24 -46.97 -85.54 -179.49	266.53
26 56	13 00-0484	EA	18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,478.37 89.20 178.40 -50.34 -91.76 -192.44	293.18
26 56	13 00-0485	EA	20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,600.83 96.12 192.23 -54.44 -99.26 -208.14	319.84
26 56	13 00-0486	EA	15' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,648.23 114.18 228.37 -58.33 -105.25 -221.91	253.20
26 56	13 00-0487	EA	20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,005.90 136.62 273.25 -70.64 -127.62 -268.90	319.84
26 56	13 00-0488	EA	25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,395.56 154.27 308.53 -83.03 -150.63 -316.69	426.45
26 56	13 00-0489	EA	20' High, 4" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,688.34 104.87 209.74 -57.94 -105.39 -221.27	319.84
26 56	13 00-0490	EA	20' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,176.69 153.70 307.41 -77.47 -139.58 -294.52	319.84

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0491	EA		25' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,550.82	426.45
			<i>For Bronze Or Satin Anodized Finish, Add</i>	169.79	
			<i>For Black Anodized Finish, Add</i>	339.59	
			<i>For >10 To 20, Deduct</i>	-89.24	
			<i>For >20 To 40, Deduct</i>	-161.50	
			<i>For >40, Deduct</i>	-339.98	
26 56 13 00-0492	EA		20' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,444.85	319.84
			<i>For Bronze Or Satin Anodized Finish, Add</i>	180.52	
			<i>For Black Anodized Finish, Add</i>	361.04	
			<i>For >10 To 20, Deduct</i>	-88.20	
			<i>For >20 To 40, Deduct</i>	-158.35	
			<i>For >40, Deduct</i>	-334.74	
26 56 13 00-0493	EA		25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,900.85	426.45
			<i>For Bronze Or Satin Anodized Finish, Add</i>	204.80	
			<i>For Black Anodized Finish, Add</i>	409.59	
			<i>For >10 To 20, Deduct</i>	-103.24	
			<i>For >20 To 40, Deduct</i>	-186.00	
			<i>For >40, Deduct</i>	-392.48	
26 56 13 00-0494	EA		30' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	3,371.60	479.76
			<i>For Bronze Or Satin Anodized Finish, Add</i>	241.21	
			<i>For Black Anodized Finish, Add</i>	482.42	
			<i>For >10 To 20, Deduct</i>	-120.47	
			<i>For >20 To 40, Deduct</i>	-216.82	
			<i>For >40, Deduct</i>	-457.77	
26 56 13 00-0495			Square Straight, Aluminum Area Light Poles, Direct Burial <small>(26 56 13 00-0473)</small>		
			Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0496	EA		10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	822.63	133.26
			<i>For Bronze Or Satin Anodized Finish, Add</i>	55.61	
			<i>For Black Anodized Finish, Add</i>	111.22	
			<i>For >10 To 20, Deduct</i>	-28.91	
			<i>For >20 To 40, Deduct</i>	-52.25	
			<i>For >40, Deduct</i>	-110.07	
26 56 13 00-0497	EA		12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	921.26	146.59
			<i>For Bronze Or Satin Anodized Finish, Add</i>	62.81	
			<i>For Black Anodized Finish, Add</i>	125.62	
			<i>For >10 To 20, Deduct</i>	-32.45	
			<i>For >20 To 40, Deduct</i>	-58.62	
			<i>For >40, Deduct</i>	-123.53	
26 56 13 00-0498	EA		14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	977.56	159.92
			<i>For Bronze Or Satin Anodized Finish, Add</i>	65.77	
			<i>For Black Anodized Finish, Add</i>	131.54	
			<i>For >10 To 20, Deduct</i>	-34.30	
			<i>For >20 To 40, Deduct</i>	-62.03	
			<i>For >40, Deduct</i>	-130.64	
26 56 13 00-0499	EA		15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	1,012.84	159.92
			<i>For Bronze Or Satin Anodized Finish, Add</i>	69.30	
			<i>For Black Anodized Finish, Add</i>	138.60	
			<i>For >10 To 20, Deduct</i>	-35.72	
			<i>For >20 To 40, Deduct</i>	-64.50	
			<i>For >40, Deduct</i>	-135.93	
26 56 13 00-0500	EA		16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	1,056.60	159.92
			<i>For Bronze Or Satin Anodized Finish, Add</i>	73.68	
			<i>For Black Anodized Finish, Add</i>	147.35	
			<i>For >10 To 20, Deduct</i>	-37.47	
			<i>For >20 To 40, Deduct</i>	-67.57	
			<i>For >40, Deduct</i>	-142.50	
26 56 13 00-0501	EA		18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,232.86	173.25
			<i>For Bronze Or Satin Anodized Finish, Add</i>	88.64	
			<i>For Black Anodized Finish, Add</i>	177.27	
			<i>For >10 To 20, Deduct</i>	-44.12	
			<i>For >20 To 40, Deduct</i>	-79.37	
			<i>For >40, Deduct</i>	-167.60	
26 56 13 00-0502	EA		20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,320.20	186.57
			<i>For Bronze Or Satin Anodized Finish, Add</i>	94.71	
			<i>For Black Anodized Finish, Add</i>	189.41	
			<i>For >10 To 20, Deduct</i>	-47.21	
			<i>For >20 To 40, Deduct</i>	-84.95	
			<i>For >40, Deduct</i>	-179.37	
26 56 13 00-0503	EA		20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,541.79	186.57
			<i>For Bronze Or Satin Anodized Finish, Add</i>	116.87	
			<i>For Black Anodized Finish, Add</i>	233.73	
			<i>For >10 To 20, Deduct</i>	-56.07	
			<i>For >20 To 40, Deduct</i>	-100.46	
			<i>For >40, Deduct</i>	-212.61	
26 56 13 00-0504	EA		25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,772.94	213.22
			<i>For Bronze Or Satin Anodized Finish, Add</i>	134.65	
			<i>For Black Anodized Finish, Add</i>	269.30	
			<i>For >10 To 20, Deduct</i>	-64.52	
			<i>For >20 To 40, Deduct</i>	-115.58	
			<i>For >40, Deduct</i>	-244.62	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0505	EA	25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,268.34 184.19 368.38 -84.34 -150.25 -318.93	213.22
26 56	13 00-0506		Factory Accessories For Aluminum Area Light Poles <small>(26 56 13 00-0294)</small>		
26 56	13 00-0507	EA	1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Aluminum Area Light Poles	44.55	
26 56	13 00-0508	EA	Extra Handhole For Aluminum Area Light Poles.....	52.61	
26 56	13 00-0509	EA	Vibration Dampener For Aluminum Area Light Poles	67.39	
26 56	13 00-0510		Fiberglass Area Light Poles <small>(26 56 13 00-0177)</small> Note: Includes UV resistant textured weave finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions and tenon top.		
26 56	13 00-0511		Round Tapered, Fiberglass Area Light Poles <small>(26 56 13 00-0510)</small>		
26 56	13 00-0512		Round Tapered, Fiberglass Area Light Poles, Anchor Base <small>(26 56 13 00-0511)</small>		
26 56	13 00-0513	EA	10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,111.92 -38.88 -70.37 -148.13	186.57
26 56	13 00-0514	EA	12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,209.20 -41.97 -76.12 -160.06	213.22
26 56	13 00-0515	EA	14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,307.74 -45.11 -81.95 -172.17	239.87
26 56	13 00-0516	EA	16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,405.01 -48.20 -87.69 -184.10	266.53
26 56	13 00-0517	EA	18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,524.91 -52.20 -95.02 -199.42	293.18
26 56	13 00-0518	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,624.69 -55.39 -100.94 -211.72	319.84
26 56	13 00-0519	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,776.54 -59.87 -109.43 -229.17	373.14
26 56	13 00-0520	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,927.13 -64.29 -117.84 -246.43	426.45
26 56	13 00-0521	EA	26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,028.90 -68.36 -124.97 -261.69	426.45
26 56	13 00-0522	EA	28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,171.41 -73.26 -133.87 -280.40	453.10
26 56	13 00-0523	EA	30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,313.92 -78.16 -142.78 -299.11	479.76
26 56	13 00-0524	EA	10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,227.51 -43.50 -78.46 -165.47	186.57
26 56	13 00-0525	EA	12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,302.17 -45.69 -82.62 -174.00	213.22
26 56	13 00-0526	EA	14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,378.10 -47.93 -86.87 -182.73	239.87
26 56	13 00-0527	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,456.52 -50.27 -91.30 -191.83	266.53
26 56	13 00-0528	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,541.24 -52.85 -96.16 -201.87	293.18

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0529 EA 20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,624.69 -55.39 -100.94 -211.72	319.84
26 56 13 00-0530 EA 22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,761.47 -59.26 -108.38 -226.91	373.14
26 56 13 00-0531 EA 24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,927.13 -64.29 -117.84 -246.43	426.45
26 56 13 00-0532 EA 26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,969.85 -66.00 -120.83 -252.83	426.45
26 56 13 00-0533 EA 28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,067.13 -69.09 -126.58 -264.76	453.10
26 56 13 00-0534 EA 30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,164.41 -72.18 -132.32 -276.69	479.76
26 56 13 00-0535 EA 10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,397.12 -50.29 -90.34 -190.91	186.57
26 56 13 00-0536 EA 12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,489.38 -53.18 -95.73 -202.08	213.22
26 56 13 00-0537 EA 14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,581.64 -56.07 -101.12 -213.26	239.87
26 56 13 00-0538 EA 16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,675.14 -59.01 -106.60 -224.62	266.53
26 56 13 00-0539 EA 18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,773.68 -62.15 -112.43 -236.73	293.18
26 56 13 00-0540 EA 20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,879.75 -65.60 -118.79 -249.98	319.84
26 56 13 00-0541 EA 22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,050.44 -70.82 -128.61 -270.25	373.14
26 56 13 00-0542 EA 24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,222.39 -76.10 -138.51 -290.71	426.45
26 56 13 00-0543 EA 26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,287.72 -78.72 -143.08 -300.51	426.45
26 56 13 00-0544 EA 28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,444.06 -84.17 -152.96 -321.30	453.10
26 56 13 00-0545 EA 30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,571.49 -88.47 -160.81 -337.75	479.76
26 56 13 00-0546 EA 32' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,672.27 -92.10 -167.34 -351.53	493.07
26 56 13 00-0547 EA 34' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,773.05 -95.73 -173.86 -365.32	506.40
26 56 13 00-0548 Round Tapered, Fiberglass Area Light Poles, Direct Burial <small>(26 56 13 00-0511)</small>		
26 56 13 00-0549 EA 10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	688.69 -23.55 -42.88 -89.98	133.26



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0550 EA 12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	739.21	146.59
For >10 To 20, Deduct	-25.17	
For >20 To 40, Deduct	-45.88	
For >40, Deduct	-96.22	
26 56 13 00-0551 EA 14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	788.48	159.92
For >10 To 20, Deduct	-26.74	
For >20 To 40, Deduct	-48.80	
For >40, Deduct	-102.28	
26 56 13 00-0552 EA 16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	809.84	159.92
For >10 To 20, Deduct	-27.60	
For >20 To 40, Deduct	-50.29	
For >40, Deduct	-105.48	
26 56 13 00-0553 EA 18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	871.67	173.25
For >10 To 20, Deduct	-29.67	
For >20 To 40, Deduct	-54.09	
For >40, Deduct	-113.43	
26 56 13 00-0554 EA 20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	923.45	186.57
For >10 To 20, Deduct	-31.34	
For >20 To 40, Deduct	-57.18	
For >40, Deduct	-119.86	
26 56 13 00-0555 EA 22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	979.00	199.90
For >10 To 20, Deduct	-33.16	
For >20 To 40, Deduct	-60.53	
For >40, Deduct	-126.86	
26 56 13 00-0556 EA 24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,040.84	213.22
For >10 To 20, Deduct	-35.24	
For >20 To 40, Deduct	-64.33	
For >40, Deduct	-134.80	
26 56 13 00-0557 EA 26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,161.46	213.22
For >10 To 20, Deduct	-40.06	
For >20 To 40, Deduct	-72.77	
For >40, Deduct	-152.90	
26 56 13 00-0558 EA 28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,308.72	226.55
For >10 To 20, Deduct	-45.55	
For >20 To 40, Deduct	-82.55	
For >40, Deduct	-173.65	
26 56 13 00-0559 EA 30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,456.00	239.87
For >10 To 20, Deduct	-51.04	
For >20 To 40, Deduct	-92.32	
For >40, Deduct	-194.41	
26 56 13 00-0560 EA 10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	804.28	133.26
For >10 To 20, Deduct	-28.17	
For >20 To 40, Deduct	-50.97	
For >40, Deduct	-107.32	
26 56 13 00-0561 EA 12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	861.08	146.59
For >10 To 20, Deduct	-30.05	
For >20 To 40, Deduct	-54.41	
For >40, Deduct	-114.50	
26 56 13 00-0562 EA 14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	917.90	159.92
For >10 To 20, Deduct	-31.92	
For >20 To 40, Deduct	-57.86	
For >40, Deduct	-121.69	
26 56 13 00-0563 EA 16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	949.31	159.92
For >10 To 20, Deduct	-33.17	
For >20 To 40, Deduct	-60.05	
For >40, Deduct	-126.40	
26 56 13 00-0564 EA 18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,006.11	173.25
For >10 To 20, Deduct	-35.05	
For >20 To 40, Deduct	-63.50	
For >40, Deduct	-133.59	
26 56 13 00-0565 EA 20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,062.91	186.57
For >10 To 20, Deduct	-36.92	
For >20 To 40, Deduct	-66.94	
For >40, Deduct	-140.78	
26 56 13 00-0566 EA 22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,119.72	199.90
For >10 To 20, Deduct	-38.79	
For >20 To 40, Deduct	-70.38	
For >40, Deduct	-147.97	
26 56 13 00-0567 EA 24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,205.43	213.22
For >10 To 20, Deduct	-41.82	
For >20 To 40, Deduct	-75.85	
For >40, Deduct	-159.49	
26 56 13 00-0568 EA 26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,322.28	213.22
For >10 To 20, Deduct	-46.49	
For >20 To 40, Deduct	-84.03	
For >40, Deduct	-177.02	
26 56 13 00-0569 EA 28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,467.03	226.55
For >10 To 20, Deduct	-51.88	
For >20 To 40, Deduct	-93.63	
For >40, Deduct	-197.40	
26 56 13 00-0570 EA 30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,610.54	239.87
For >10 To 20, Deduct	-57.23	
For >20 To 40, Deduct	-103.14	
For >40, Deduct	-217.59	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0571	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	906.05	133.26
			<i>For >10 To 20, Deduct</i>	-32.24	
			<i>For >20 To 40, Deduct</i>	-58.09	
			<i>For >40, Deduct</i>	-122.58	
26 56	13 00-0572	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	955.31	146.59
			<i>For >10 To 20, Deduct</i>	-33.81	
			<i>For >20 To 40, Deduct</i>	-61.01	
			<i>For >40, Deduct</i>	-128.64	
26 56	13 00-0573	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,003.33	159.92
			<i>For >10 To 20, Deduct</i>	-35.34	
			<i>For >20 To 40, Deduct</i>	-63.84	
			<i>For >40, Deduct</i>	-134.51	
26 56	13 00-0574	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,024.69	159.92
			<i>For >10 To 20, Deduct</i>	-36.19	
			<i>For >20 To 40, Deduct</i>	-65.33	
			<i>For >40, Deduct</i>	-137.71	
26 56	13 00-0575	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,072.70	173.25
			<i>For >10 To 20, Deduct</i>	-37.71	
			<i>For >20 To 40, Deduct</i>	-68.16	
			<i>For >40, Deduct</i>	-143.58	
26 56	13 00-0576	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,121.97	186.57
			<i>For >10 To 20, Deduct</i>	-39.28	
			<i>For >20 To 40, Deduct</i>	-71.08	
			<i>For >40, Deduct</i>	-149.64	
26 56	13 00-0577	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,213.95	199.90
			<i>For >10 To 20, Deduct</i>	-42.56	
			<i>For >20 To 40, Deduct</i>	-76.98	
			<i>For >40, Deduct</i>	-162.10	
26 56	13 00-0578	EA	24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,321.02	213.22
			<i>For >10 To 20, Deduct</i>	-46.44	
			<i>For >20 To 40, Deduct</i>	-83.94	
			<i>For >40, Deduct</i>	-176.83	
26 56	13 00-0579	EA	26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,393.89	213.22
			<i>For >10 To 20, Deduct</i>	-49.36	
			<i>For >20 To 40, Deduct</i>	-89.04	
			<i>For >40, Deduct</i>	-187.76	
26 56	13 00-0580	EA	28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,494.67	226.55
			<i>For >10 To 20, Deduct</i>	-52.99	
			<i>For >20 To 40, Deduct</i>	-95.56	
			<i>For >40, Deduct</i>	-201.55	
26 56	13 00-0581	EA	30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,595.46	239.87
			<i>For >10 To 20, Deduct</i>	-56.62	
			<i>For >20 To 40, Deduct</i>	-102.09	
			<i>For >40, Deduct</i>	-215.33	
26 56	13 00-0582		Factory Accessories For Fiberglass Area Light Poles <small>(26 56 13 00-0510)</small>		
	26 56 13 00-0583	EA	Open Or Capped Top For Fiberglass Area Light Poles.....	44.55	
	26 56 13 00-0584	EA	Factory Side Drilling Up To Four Fixtures On Fiberglass Area Light Poles.....	44.55	
	26 56 13 00-0585	EA	Smooth Shaft Finish For Fiberglass Area Light Poles.....	84.52	
	26 56 13 00-0586	EA	Vibration Dampener For Fiberglass Area Light Poles.....	111.94	
26 56	13 00-0587		Concrete Area Light Poles <small>(26 56 13 00-0177)</small>		
26 56	13 00-0588		Octagonal Tapered, Spun Concrete Area Light Poles, Anchor Base <small>(26 56 13 00-0587)</small>		
	26 56 13 00-0589	EA	28' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	1,880.09	453.10
	26 56 13 00-0590	EA	30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	1,982.08	479.76
	26 56 13 00-0591	EA	33' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,056.30	493.07
	26 56 13 00-0592	EA	36' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,562.88	506.40
	26 56 13 00-0593	EA	38' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,848.68	533.05
	26 56 13 00-0594	EA	43' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	3,523.99	692.97
	26 56 13 00-0595	EA	47' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	4,220.44	852.89
	26 56 13 00-0596	EA	27' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	4,112.58	453.10
			Note: Polished brown with acrylic coating finish.		
	26 56 13 00-0597	EA	30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	4,748.86	479.76
			Note: Polished brown with acrylic coating finish.		
	26 56 13 00-0598	EA	Pole Adapter Base Plate, Galvanized Steel, 1" Thick For Adapting Up To 40'.....	461.87	159.92
	26 56 13 00-0599	EA	13' High Concrete Octagonal Area Light Pole, Pink With Acrylic Coating, Finish Design.....	2,465.56	319.73
	26 56 13 00-0600	EA	Pole Base Cover For All Octagon Poles.....	179.85	65.24
	26 56 13 00-0601	EA	Pole Arms 24" Long, Square, 250 Watt Fixture, Dark, Architectural Bronze.....	367.51	130.49
26 56	13 00-0602		Tapered, Spun Concrete Area Light Poles, Direct Burial <small>(26 56 13 00-0587)</small>		
			Note: Round or square.		
	26 56 13 00-0603	EA	13' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,035.19	213.22
	26 56 13 00-0604	EA	16' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,298.26	266.53
	26 56 13 00-0605	EA	18' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,536.34	319.84
	26 56 13 00-0606	EA	30' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	3,532.13	479.76
	26 56 13 00-0607	EA	35' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	4,075.75	506.40
	26 56 13 00-0608	EA	40' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	4,663.67	533.05
	26 56 13 00-0609	EA	45' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	5,402.04	692.97



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0610 Round Tapered, Spun Concrete Area Light Poles, Direct Burial <small>(26 56 13 00-0587)</small>		
26 56 13 00-0611 EA 60' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 60 9-22).....	10,879.87	1,199.37
26 56 13 00-0612 EA 70' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 70 9-24).....	12,952.89	1,475.03
26 56 13 00-0613 EA 80' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C1 80 9-26).....	15,412.83	1,992.58
26 56 13 00-0614 Treated Wood Area Light Poles <small>(26 56 13 00-0177)</small> See CSI section 26 05 46 00-0001 for wood poles.		
26 56 13 00-0615 Cast Iron Decorative Light Posts <small>(26 56 13 00-0177)</small>		
26 56 13 00-0616 Round Tapered, Cast Iron Decorative Light Post, Anchor Base <small>(26 56 13 00-0615)</small> Note: As manufactured by Hadco and King Luminaries or an approved equal.		
26 56 13 00-0617 EA 10' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,028.58	133.26
26 56 13 00-0618 EA 12' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,089.33	153.52
26 56 13 00-0619 EA 14' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,178.95	159.92
26 56 13 00-0620 EA 16' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,445.00	186.57
26 56 13 00-0621 EA 18' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,682.26	202.57
26 56 13 00-0622 EA 20' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,930.73	218.55
26 56 13 00-0623 Landscape Light Poles <small>(26 56 13 00-0001)</small> Note: Excludes lighting fixtures.		
26 56 13 00-0624 Aluminum Landscape Light Poles <small>(26 56 13 00-0623)</small> Note: Includes painted finish.		
26 56 13 00-0625 Round Straight, Aluminum Landscape Light Poles <small>(26 56 13 00-0624)</small>		
26 56 13 00-0626 Round Straight, Aluminum Landscape Light Poles, Anchor Base <small>(26 56 13 00-0625)</small>		
26 56 13 00-0627 EA 7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base.....	445.44	159.92
26 56 13 00-0628 EA 12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base.....	823.96	213.22
26 56 13 00-0629 Round Straight, Aluminum Landscape Light Poles, Direct Burial <small>(26 56 13 00-0625)</small>		
26 56 13 00-0630 EA 7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial.....	386.33	159.92
26 56 13 00-0631 EA 12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial.....	764.85	213.22
26 56 13 00-0632 Steel Landscape Light Poles <small>(26 56 13 00-0623)</small> Note: Includes painted finish.		
26 56 13 00-0633 Round Straight, Steel Landscape Light Poles <small>(26 56 13 00-0632)</small>		
26 56 13 00-0634 Round Straight, Steel Landscape Light Poles, Anchor Base <small>(26 56 13 00-0633)</small>		
26 56 13 00-0635 EA 6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Anchor Base.....	395.89	159.92
26 56 13 00-0636 Round Straight, Steel Landscape Light Poles, Direct Burial <small>(26 56 13 00-0633)</small>		
26 56 13 00-0637 EA 6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Direct Burial.....	378.85	159.92
26 56 13 00-0638 Light Pole Brackets And Arms <small>(26 56 13 00-0001)</small>		
26 56 13 00-0639 Light Pole Brackets <small>(26 56 13 00-0638)</small>		
26 56 13 00-0640 Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0639)</small>		
26 56 13 00-0641 Round Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0640)</small>		
26 56 13 00-0642 Steel, Round Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0641)</small> Note: Includes powdercoat finish.		
26 56 13 00-0643 EA Two Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	368.95	31.99
For Galvanized Finish, Add	30.50	
26 56 13 00-0644 EA Three Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	460.97	31.99
For Galvanized Finish, Add	39.70	
26 56 13 00-0645 EA Three Tenons At 120 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	489.06	31.99
For Galvanized Finish, Add	42.51	
26 56 13 00-0646 EA Four Tenons At 90 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	662.43	31.99
For Galvanized Finish, Add	59.85	
26 56 13 00-0647 EA Four Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	689.43	31.99
For Galvanized Finish, Add	62.55	
26 56 13 00-0648 Aluminum, Round Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0641)</small> Note: Includes satin brushed or painted finish.		
26 56 13 00-0649 EA Two Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	294.03	31.99
For Bronze Or Satin Anodized Finish, Add	23.01	
For Black Anodized Finish, Add	46.01	
26 56 13 00-0650 EA Three Tenons At 120 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	367.42	31.99
For Bronze Or Satin Anodized Finish, Add	30.35	
For Black Anodized Finish, Add	60.69	
26 56 13 00-0651 EA Three Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	387.18	31.99
For Bronze Or Satin Anodized Finish, Add	32.32	
For Black Anodized Finish, Add	64.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0652 EA Four Tenons At 90 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	456.34	31.99
For Bronze Or Satin Anodized Finish, Add	39.24	
For Black Anodized Finish, Add	78.47	
26 56 13 00-0653 EA Four Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	470.46	31.99
For Bronze Or Satin Anodized Finish, Add	40.65	
For Black Anodized Finish, Add	81.30	
26 56 13 00-0654 Square Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0640)		
26 56 13 00-0655 Steel, Square Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0654)		
Note: Includes powdercoat finish.		
26 56 13 00-0656 EA Two Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket.....	395.23	31.99
For Galvanized Finish, Add	33.13	
26 56 13 00-0657 EA Three Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket.....	483.37	31.99
For Galvanized Finish, Add	41.94	
26 56 13 00-0658 EA Four Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket.....	586.89	31.99
For Galvanized Finish, Add	52.29	
26 56 13 00-0659 EA Four Tenons At 90 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket.....	690.89	31.99
For Galvanized Finish, Add	62.69	
26 56 13 00-0660 Wood Pole Clamp On Style, Pole Top Area Light Brackets (26 56 13 00-0639)		
26 56 13 00-0661 Steel, Wood Pole Clamp On Style, Pole Top Area Light Brackets (26 56 13 00-0660)		
Note: Includes powdercoat finish.		
26 56 13 00-0662 EA One Tenon, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket.....	388.71	53.31
26 56 13 00-0663 EA Two Tenons At 90, 120 Or 180 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket.....	569.11	53.31
26 56 13 00-0664 EA Three Tenons At 120 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket.....	782.56	53.31
26 56 13 00-0665 EA Four Tenons At 90 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket.....	852.78	53.31
26 56 13 00-0666 Light Pole Arms (26 56 13 00-0638)		
26 56 13 00-0667 Wood Pole Streetlight Arms (26 56 13 00-0666)		
26 56 13 00-0668 Steel, Wood Pole Streetlight Arms (26 56 13 00-0667)		
26 56 13 00-0669 EA 1-1/4" Arm Diameter, 2-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	236.64	47.98
26 56 13 00-0670 EA 1-1/4" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	252.02	53.31
26 56 13 00-0671 EA 1-1/4" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	295.26	66.64
26 56 13 00-0672 EA 2" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	338.47	53.31
26 56 13 00-0673 EA 2" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	381.46	66.64
26 56 13 00-0674 EA 2" Arm Diameter, 7-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	462.48	79.95
26 56 13 00-0675 Aluminum, Wood Pole Streetlight Arms (26 56 13 00-0667)		
26 56 13 00-0676 EA 1-1/4" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	264.65	53.31
26 56 13 00-0677 EA 2" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	345.71	53.31
26 56 13 00-0678 EA 2" Arm Diameter, 66" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	468.66	66.64
26 56 13 00-0679 EA 2" Arm Diameter, 90" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	625.21	79.95
26 56 13 00-0680 Area Light Arms (26 56 13 00-0666)		
26 56 13 00-0681 Steel Area Light Arms (26 56 13 00-0680)		
26 56 13 00-0682 EA Single, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount.....	428.25	53.31
26 56 13 00-0683 EA Two, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	656.27	58.64
26 56 13 00-0684 EA Three, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	728.50	63.97
26 56 13 00-0685 EA Four, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	861.03	69.30
26 56 13 00-0686 EA Single, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount.....	512.70	66.64
26 56 13 00-0687 EA Two, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	718.11	71.96
26 56 13 00-0688 Aluminum Area Light Arms (26 56 13 00-0680)		
26 56 13 00-0689 EA Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	336.67	53.31
26 56 13 00-0690 EA Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	414.13	66.64
26 56 13 00-0691 EA Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	494.42	79.95
26 56 13 00-0692 EA Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	333.85	53.31
26 56 13 00-0693 EA Two, 4' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	496.94	58.64
26 56 13 00-0694 EA Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	408.48	66.64
26 56 13 00-0695 EA Two, 6' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	605.46	71.96
26 56 13 00-0696 EA Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	497.25	79.95
26 56 13 00-0697 EA Two, 8' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	737.97	85.29
26 56 13 00-0698 Removal And Reinstallation Of Lighting Pole (26 56 13 00-0001)		
26 56 13 00-0699 EA Removal And Relocation Of Up To 45' Lighting Pole And Standards With One Or Two Arms.....	1,759.08	
26 56 13 00-0700 High Mast Lighting (26 56 13 00-0001)		



Electrical	26	
Lighting	26 50	26
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0701 High Mast Lighting Assemblies <small>(26 56 13 00-0700)</small>		
Note: Includes non-latching system, ring assembly with internal bumper, acrylic top cover, pulley supports, cast arm filter for pipe tension, transition assembly, standard head frame assembly, standard hoist, and powder coated pole. See CSI section 26 56 16 00-0023 for high mast fixtures.		
26 56 13 00-0702 EA 60' High Mast Lighting Assembly	32,221.46	1,637.34
26 56 13 00-0703 EA 70' High Mast Lighting Assembly	34,030.16	1,714.87
26 56 13 00-0704 EA 80' High Mast Lighting Assembly	35,872.30	1,826.86
26 56 13 00-0705 EA 90' High Mast Lighting Assembly	37,746.84	1,973.33
26 56 13 00-0706 EA 100' High Mast Lighting Assembly	39,641.91	2,154.19
26 56 13 00-0707 EA 110' High Mast Lighting Assembly	42,081.51	2,369.78
26 56 13 00-0708 EA 120' High Mast Lighting Assembly	44,066.02	2,585.18
26 56 13 00-0709 EA 130' High Mast Lighting Assembly	45,905.29	2,800.59
26 56 13 00-0710 EA 140' High Mast Lighting Assembly	47,889.80	3,016.10
26 56 13 00-0711 EA 150' High Mast Lighting Assembly	50,285.26	3,231.51
26 56 13 00-0712 High Mast Light Poles <small>(26 56 13 00-0700)</small>		
26 56 13 00-0713 EA 60' High Mast Light Poles	12,522.46	983.36
26 56 13 00-0714 EA 70' High Mast Light Poles	14,307.85	1,029.94
26 56 13 00-0715 EA 80' High Mast Light Poles	16,116.36	1,097.22
26 56 13 00-0716 EA 90' High Mast Light Poles	17,946.91	1,185.20
26 56 13 00-0717 EA 100' High Mast Light Poles	19,800.57	1,293.89
26 56 13 00-0718 EA 110' High Mast Light Poles	21,677.36	1,423.28
26 56 13 00-0719 EA 120' High Mast Light Poles	23,113.06	1,552.66
26 56 13 00-0720 EA 130' High Mast Light Poles	22,720.39	2,877.60
26 56 13 00-0721 EA 140' High Mast Light Poles	25,838.16	1,811.44
26 56 13 00-0722 EA 150' High Mast Light Poles	27,420.16	1,940.83
26 56 13 00-0723 High Mast Lighting Accessories <small>(26 56 13 00-0700)</small>		
See CSI section 26 56 16 00-0023 for light fixtures, 26 56 26 00-0119 for lighting fixtures.		
26 56 13 00-0724 EA Bottom Latching System For High Mast Lighting	582.91	
26 56 13 00-0725 EA Top Latching System For High Mast Lighting	1,618.08	
26 56 13 00-0726 EA Centering Springs For High Mast Lighting	1,225.12	
26 56 13 00-0727 EA Electric Power Cord For High Mast Lighting	523.41	
26 56 13 00-0728 EA Aircraft Warning Lights For High Mast Lighting	988.85	
26 56 13 00-0729 EA Internal Motorized Hoist For High Mast Lighting	10,176.48	
26 56 13 00-0730 EA Portable Hoist Motor With Step Down Transformer For High Mast Lighting	10,258.32	
26 56 13 00-0731 Concrete Bases <small>(26 56 13 00-0001)</small>		
26 56 13 00-0732 Concrete Bases, Cast In Place <small>(26 56 13 00-0731)</small>		
Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill. Excludes conduit.		
26 56 13 00-0733 VLF 2' Diameter Concrete Base For Poles	81.51	
26 56 13 00-0734 VLF 2-1/2' Diameter Concrete Base For Poles	103.53	
26 56 13 00-0735 VLF 3' Diameter Concrete Base For Poles	126.54	
26 56 13 00-0736 VLF 3-1/2' Diameter Concrete Base For Poles	158.19	
26 56 13 00-0737 VLF 4' Diameter Concrete Base For Poles	188.99	
26 56 13 00-0738 VLF 5' Diameter Concrete Base For Poles	258.92	
26 56 13 00-0739 VLF 6' Diameter Concrete Base For Poles	342.18	
26 56 16 Roadway Lighting <small>(26 56)</small>		
26 56 16 00-0001 Metal Halide, Pole Mounted <small>(26 56 16)</small>		
26 56 16 00-0002 EA 175 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	512.41	216.12
26 56 16 00-0003 EA 250 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	575.50	234.60
26 56 16 00-0004 EA 400 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	666.20	252.37
26 56 16 00-0005 EA 1,000 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	853.36	295.78
26 56 16 00-0006 High Pressure Sodium, Pole Mounted <small>(26 56 16)</small>		
26 56 16 00-0007 EA 100 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	445.22	252.37
26 56 16 00-0008 EA 150 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	453.48	252.37
26 56 16 00-0009 EA 175 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	472.73	252.37
26 56 16 00-0010 EA 250 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	513.98	252.37
26 56 16 00-0011 EA 400 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	594.29	252.37
26 56 16 00-0012 EA 1,000 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	819.43	252.37
26 56 16 00-0013 Low Pressure Sodium, Pole Mounted <small>(26 56 16)</small>		
26 56 16 00-0014 EA 135 Watt Low Pressure Sodium Exterior Roadway Fixture, Enclosed And Gasketed	509.84	137.29
26 56 16 00-0015 EA 135 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	567.94	201.89
26 56 16 00-0016 EA 180 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	653.82	201.89
26 56 16 00-0017 Street Light Accessories <small>(26 56 16)</small>		
26 56 16 00-0018 Photo Controls <small>(26 56 16 00-0017)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 16 00-0019	EA		Photo Control, 120 Volt As Manufactured By Cooper Lighting #RA1014.....	82.36	
26 56 16 00-0020	EA		Photo Control, Multi-Tap As Manufactured By Cooper Lighting #RA1016.....	95.23	
26 56 16 00-0021			Connector Node <small>(26 56 16 00-0017)</small>		
26 56 16 00-0022	EA		Outdoor Lighting Connector Node (Philips City Touch LLC7260).....	307.49	2.54
26 56 16 00-0023			High Mast Fixtures <small>(26 56 16)</small>		
26 56 16 00-0024			Metal Halide <small>(26 56 16 00-0023)</small>		
26 56 16 00-0025	EA		400 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	777.72	132.55
26 56 16 00-0026	EA		400 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	823.92	132.55
26 56 16 00-0027	EA		750 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	832.58	151.42
26 56 16 00-0028	EA		750 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	860.29	151.42
26 56 16 00-0029	EA		1,000 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	896.92	189.28
26 56 16 00-0030	EA		1,000 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	924.63	189.28
26 56 16 00-0031			High Pressure Sodium <small>(26 56 16 00-0023)</small>		
26 56 16 00-0032	EA		400 W High Mast HPS Fixture (VA 25 Type V) As Manufactured By Metrolux.....	796.66	132.55
26 56 16 00-0033	EA		400 W High Mast HPS Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux.....	824.37	132.55
26 56 16 00-0034	EA		600 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	958.50	140.11
26 56 16 00-0035	EA		750 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	987.49	151.42
26 56 16 00-0036	EA		1,000 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	1,065.68	189.28
26 56 16 00-0037			LED Roadway Lighting <small>(26 56 16)</small>		
26 56 16 00-0038			LED Roadway Lighting (Philips Lumec) <small>(26 56 16 00-0037)</small>		
26 56 16 00-0039			Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec GPL Series) <small>(26 56 16 00-0038)</small>		
			Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 570mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 16 00-0040	EA		49 LEDs, 102 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLS Series)	964.07	128.55
26 56 16 00-0041	EA		98 LEDs, 204 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLM Series)	1,470.34	132.02
26 56 16 00-0042			Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec RFM Series) <small>(26 56 16 00-0038)</small>		
			Note: UL wet listed. Includes 3,000 to 4,000K color temperature, 120-277 voltage, up to 1050mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 16 00-0043	EA		48 LEDs, 55 System Watts, Type III Medium, 120-277 Volts, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec RFM Series)	719.68	128.55
26 56 16 00-0044	EA		48 LEDs, 80 System Watts, Type III Medium, 120-277 Volts, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series)	719.68	128.55
26 56 16 00-0045	EA		48 LEDs, 108 System Watts, Type III Medium, 120-277 Volts, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series)	719.68	128.55
26 56 16 00-0046			LED Roadway Lighting (Lithonia) <small>(26 56 16 00-0037)</small>		
26 56 16 00-0047			Horizontal Tenon Mount, LED Cobra Head Street Lights (Lithonia CSX1 Series) <small>(26 56 16 00-0046)</small>		
			Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 700mA driver, die-cast extruded aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 16 00-0048	EA		30 LEDs, 74 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	1,367.71	121.59
26 56 16 00-0049	EA		60 LEDs, 146 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	2,222.96	125.07
26 56 16 00-0050			LED Roadway Lighting (CREE® BetaLED®) <small>(26 56 16 00-0037)</small>		
26 56 16 00-0051			Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® LEDway® STR-LWY) <small>(26 56 16 00-0050)</small>		
			Note: UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type II Medium, Type II Short or Type III Medium optic. Excludes sensors.		
26 56 16 00-0052	EA		20 LEDs, 25 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	706.41	118.12
26 56 16 00-0053	EA		30 LEDs, 35 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	793.10	121.59
26 56 16 00-0054	EA		40 LEDs, 45 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	897.65	125.07
26 56 16 00-0055	EA		50 LEDs, 55 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	985.71	128.55
26 56 16 00-0056	EA		60 LEDs, 65 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,073.78	132.02
26 56 16 00-0057	EA		70 LEDs, 75 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,282.81	135.49



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 16 00-0058 EA 80 LEDs, 86 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,370.88	138.96
26 56 16 00-0059 EA 90 LEDs, 96 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,457.55	142.44
26 56 16 00-0060 EA 100 LEDs, 111 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,626.73	145.92
26 56 16 00-0061 EA 110 LEDs, 122 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,714.79	149.39
26 56 16 00-0062 EA 120 LEDs, 133 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,802.84	152.86
26 56 16 00-0063 Surface Mount, LED Transportation Fixtures (CREE® BetaLED® Edge® TSP-EDG) <small>(26 56 16 00-0050)</small>		
Note: Direct, cantenary or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 16 00-0064 EA 40 LEDs, 47 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,399.44	125.07
<i>For Multi-Level Drive Currents, Add</i> 192.47		
26 56 16 00-0065 EA 60 LEDs, 68 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,615.43	132.02
<i>For Multi-Level Drive Currents, Add</i> 192.47		
26 56 16 00-0066 EA 80 LEDs, 90 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,831.42	138.96
<i>For Multi-Level Drive Currents, Add</i> 192.47		
26 56 16 00-0067 EA 100 LEDs, 111 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,047.40	145.92
<i>For Multi-Level Drive Currents, Add</i> 192.47		
26 56 16 00-0068 EA 120 LEDs, 132 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,692.31	152.86
<i>For Multi-Level Drive Currents, Add</i> 192.47		
26 56 16 00-0069 EA 140 LEDs, 157 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,908.30	159.81
<i>For Multi-Level Drive Currents, Add</i> 192.47		
26 56 16 00-0070 EA 160 LEDs, 179 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	3,124.28	166.76
<i>For Multi-Level Drive Currents, Add</i> 192.47		
26 56 16 00-0071 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® XSP) <small>(26 56 16 00-0050)</small>		
Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 16 00-0072 EA 4,806 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A)	588.94	125.07
<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i> 16.21		
<i>For Backlight Control Shield, Add</i> 27.84		
<i>For Field Adjustable Output, Add</i> 24.33		
<i>For Bird Spikes, Add</i> 43.15		
<i>For Field Adjustable Output And Utility Label, Add</i> 32.43		
<i>For Fuse, Add</i> 48.64		
<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i> 48.64		
<i>For 480 Volt, Add</i> 72.97		
<i>For Multi-Level, Add</i> 105.39		
26 56 16 00-0073 EA 5,340 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A)	588.94	125.07
<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i> 16.21		
<i>For Backlight Control Shield, Add</i> 27.84		
<i>For Field Adjustable Output, Add</i> 24.33		
<i>For Bird Spikes, Add</i> 43.15		
<i>For Field Adjustable Output And Utility Label, Add</i> 32.43		
<i>For Fuse, Add</i> 48.64		
<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i> 48.64		
<i>For 480 Volt, Add</i> 72.97		
<i>For Multi-Level, Add</i> 105.39		
26 56 16 00-0074 EA 8,407 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E)	650.22	125.07
<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i> 16.21		
<i>For Backlight Control Shield, Add</i> 27.84		
<i>For Field Adjustable Output, Add</i> 24.33		
<i>For Bird Spikes, Add</i> 43.15		
<i>For Field Adjustable Output And Utility Label, Add</i> 32.43		
<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i> 48.64		
<i>For 480 Volt, Add</i> 72.97		
26 56 16 00-0075 EA 8,820 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E)	650.22	125.07
<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i> 16.21		
<i>For Backlight Control Shield, Add</i> 27.84		
<i>For Field Adjustable Output, Add</i> 24.33		
<i>For Bird Spikes, Add</i> 43.15		
<i>For Field Adjustable Output And Utility Label, Add</i> 32.43		
<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i> 48.64		
<i>For 480 Volt, Add</i> 72.97		



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 16 00-0076	EA	9,612 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B).....	759.17	125.07
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.21	
		For Field Adjustable Output, Add	24.33	
		For Backlight Control Shield, Add	39.74	
		For Field Adjustable Output And Utility Label, Add	32.43	
		For Fuse, Add	48.64	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	48.64	
		For Bird Spikes, Add	70.40	
		For 480 Volt, Add	72.97	
		For Multi-Level, Add	105.39	
26 56 16 00-0077	EA	10,680 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B).....	759.17	125.07
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.21	
		For Field Adjustable Output, Add	24.33	
		For Backlight Control Shield, Add	39.74	
		For Field Adjustable Output And Utility Label, Add	32.43	
		For Fuse, Add	48.64	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	48.64	
		For Bird Spikes, Add	70.40	
		For 480 Volt, Add	72.97	
		For Multi-Level, Add	105.39	
26 56 16 00-0078	EA	13,732 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F).....	861.33	125.07
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.21	
		For Field Adjustable Output, Add	24.33	
		For Backlight Control Shield, Add	39.74	
		For Field Adjustable Output And Utility Label, Add	32.43	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	48.64	
		For Bird Spikes, Add	70.40	
		For 480 Volt, Add	72.97	
		For Multi-Level, Add	105.39	
26 56 16 00-0079	EA	14,408 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F).....	861.33	125.07
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.21	
		For Field Adjustable Output, Add	24.33	
		For Backlight Control Shield, Add	39.74	
		For Field Adjustable Output And Utility Label, Add	32.43	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	48.64	
		For Bird Spikes, Add	70.40	
		For 480 Volt, Add	72.97	
		For Multi-Level, Add	105.39	
26 56 16 00-0080	EA	2,529 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G).....	479.97	125.07
		For Utility Label, Add	8.10	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.21	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	24.33	
		For 0 To 10 Volt Dimming, Add	48.64	
26 56 16 00-0081	EA	2,722 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G).....	479.97	125.07
		For Utility Label, Add	8.10	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.21	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	24.33	
		For 0 To 10 Volt Dimming, Add	48.64	
26 56 16 00-0082	EA	3,819 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-C).....	505.52	125.07
		For Utility Label, Add	8.10	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.21	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	24.33	
		For 0 To 10 Volt Dimming, Add	48.64	
26 56 16 00-0083	EA	4,109 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-C).....	505.52	125.07
		For Utility Label, Add	8.10	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.21	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	24.33	
		For 0 To 10 Volt Dimming, Add	48.64	
26 56 16 00-0084	EA	4,548 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A).....	514.03	125.07
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.21	
		For Field Adjustable Output, Add	24.33	
		For Field Adjustable Output And Utility Label, Add	32.43	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	48.64	
		For 0 To 10 Volt Dimming, Add	48.64	
26 56 16 00-0085	EA	4,627 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A).....	514.03	125.07
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.21	
		For Field Adjustable Output, Add	24.33	
		For Field Adjustable Output And Utility Label, Add	32.43	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	48.64	
		For 0 To 10 Volt Dimming, Add	48.64	

26 56 16 00-0086 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® RSW™)

(26 56 16 00-0080)

Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and gray powder coat finish. Includes utility label and NEMA® photocell receptacle. Excludes sensors.



Electrical	26	
Lighting	26 50	26
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 16 00-0087 EA 3,300 Lumens, 3,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-30K-UL-GY-N).....	497.01	125.07
For Field Adjustable Output, Add	24.33	
For Backlight Control Shield, Add	53.05	
For Bird Spikes, Add	70.88	
26 56 16 00-0088 EA 3,300 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-40K-UL-GY-N).....	497.01	125.07
For Field Adjustable Output, Add	24.33	
For Backlight Control Shield, Add	53.05	
For Bird Spikes, Add	70.88	
26 56 16 00-0089 EA 5,000 Lumens, 3,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-30K-UL-GY-N).....	514.03	125.07
For Field Adjustable Output, Add	24.33	
For Backlight Control Shield, Add	53.05	
For Bird Spikes, Add	70.88	
26 56 16 00-0090 EA 5,000 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-40K-UL-GY-N).....	514.03	125.07
For Field Adjustable Output, Add	24.33	
For Backlight Control Shield, Add	53.05	
For Bird Spikes, Add	70.88	
26 56 16 00-0091 LED Roadway Lighting (Cooper Lighting) (26 56 16 00-0037)		
26 56 16 00-0092 Horizontal Tenon Mount, LED Roadway Fixtures (Cooper Lighting Streetworks NVN™) (26 56 16 00-0091)		
Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 16 00-0093 EA 1 LED Light Square, 51 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	636.84	125.07
26 56 16 00-0094 EA 2 LED Light Squares, 103 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	847.73	138.96
26 56 16 00-0095 EA 3 LED Light Squares, 154 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	914.74	159.81
26 56 16 00-0096 EA 4 LED Light Squares, 206 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,328.63	173.71
26 56 16 00-0097 EA 6 LED Light Squares, 309 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,727.38	197.76
26 56 16 00-0098 LED Roadway Lighting (PlanLED) (26 56 16 00-0037)		
26 56 16 00-0099 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera HERA) (26 56 16 00-0098)		
Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 16 00-0100 EA 8,500 Lumens, 85 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 85W).....	751.39	121.59
26 56 16 00-0101 EA 11,000 Lumens, 110 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 110W).....	812.60	122.93
26 56 16 00-0102 EA 15,000 Lumens, 150 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 150W).....	861.38	125.07
26 56 16 00-0103 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera SETA) (26 56 16 00-0098)		
Note: UL wet listed. Includes 3,000K, 3,500K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 16 00-0104 EA 7,200 Lumens, 60 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET060).....	514.83	118.66
26 56 16 00-0105 EA 10,000 Lumens, 80 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET080).....	548.38	120.79
26 56 16 00-0106 EA 12,500 Lumens, 100 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET100).....	600.66	122.93
26 56 16 00-0107 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera META) (26 56 16 00-0098)		
Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 16 00-0108 EA 13,000 Lumens, 100 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT100).....	634.62	122.93
For 0 To 10 Volt Dimming, Add	50.17	
For 480 Volt, Add	50.17	
26 56 16 00-0109 EA 16,900 Lumens, 130 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT130).....	697.65	124.00
For 0 To 10 Volt Dimming, Add	50.17	
For 480 Volt, Add	14.83	
26 56 16 00-0110 EA 19,500 Lumens, 150 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT150).....	746.63	125.07
For 0 To 10 Volt Dimming, Add	50.17	
For 480 Volt, Add	-5.30	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 16 00-0111	LED Roadway Lighting (General Electric) <small>(26 56 16 00-0037)</small>		
26 56 16 00-0112	Horizontal Tenon Mount, LED Cobra Head Street Lights (General Electric) <small>(26 56 16 00-0111)</small> Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or gray powder coat finish. Excludes sensors.		
26 56 16 00-0113	EA 2,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 02XX 40 A GRAY)	407.29	118.12
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For >25 To 500, Deduct	-17.11	
	For >500, Deduct	-27.37	
26 56 16 00-0114	EA 3,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 03XX 40 A GRAY)	410.50	119.72
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For >25 To 500, Deduct	-17.11	
	For >500, Deduct	-27.37	
26 56 16 00-0115	EA 4,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 04XX 40 A GRAY)	426.08	121.59
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For >25 To 500, Deduct	-18.29	
	For >500, Deduct	-27.43	
26 56 16 00-0116	EA 5,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 05XX 40 A GRAY)	441.66	122.93
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For >25 To 500, Deduct	-19.58	
	For >500, Deduct	-29.37	
26 56 16 00-0117	EA 7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 07XX 40 A GRAY)	482.50	125.60
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For >25 To 500, Deduct	-23.13	
	For >500, Deduct	-48.57	
26 56 16 00-0118	EA 8,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 08XX 40 A GRAY)	504.01	126.67
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For >25 To 500, Deduct	-25.07	
	For >500, Deduct	-37.60	
26 56 16 00-0119	EA 9,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 10XX 40 A GRAY)	544.32	128.55
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For >25 To 500, Deduct	-28.72	
	For >500, Deduct	-43.09	
26 56 16 00-0120	EA 13,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERLH 0 13XX 40 A GRAY)	629.81	132.02
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For >25 To 500, Deduct	-36.58	
	For >500, Deduct	-54.87	
26 56 16 00-0121	EA 19,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL2 0 19XX 40 A GRAY)	729.78	138.96
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For >25 To 500, Deduct	-45.18	
	For >500, Deduct	-67.78	
26 56 16 00-0122	LED Roadway Lighting (Acuity AEL Autobahn) <small>(26 56 16 00-0037)</small>		
26 56 16 00-0123	Horizontal Tenon Mount, LED Cobra Head Street Lights (Acuity AEL Autobahn) <small>(26 56 16 00-0122)</small> Note: UL wet listed. Includes 4,000K or 5,000K color temperature, 120-480 voltage, integral 10kV surge suppression, 0-10V dimming, die-cast extruded aluminum housing assembly and white, black, gray, graphite or bronze powder coat finish. Excludes sensors.		
26 56 16 00-0124	EA 4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 20ALEDE70)	729.82	121.59
26 56 16 00-0125	EA 6,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 30BLEDE70)	892.82	125.07
26 56 16 00-0126	EA 9,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 40BLEDE70)	1,221.18	128.55
26 56 16 00-0127	EA 13,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 60BLEDE70)	1,552.68	133.62
26 56 16 00-0128	EA 17,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 80BLEDE70)	1,876.01	137.36
26 56 16 00-0129	LED Roadway Lighting (Leotek) <small>(26 56 16 00-0037)</small>		
26 56 16 00-0130	Horizontal Tenon Mount, LED Cobra Head Street Lights (Leotek) <small>(26 56 16 00-0129)</small> Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, integral surge protector, die-cast and extruded aluminum housing assembly and gray powder coat finish. Excludes sensors.		
26 56 16 00-0131	EA Up To 3,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-XXX-WL)	417.15	121.59
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For >500 To 1,000, Deduct	-17.40	
	For >1,000 To 2,500, Deduct	-24.35	
	For >2,500, Deduct	-31.31	
	For Twist Lock Shorting Cap, Add	5.38	
	For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
	For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 16 00-0132 EA Up To 5,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-1AMP-WL).....	425.46	122.93
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For >500 To 1,000, Deduct	-17.96	
For >1,000 To 2,500, Deduct	-25.14	
For >2,500, Deduct	-32.33	
For Twist Lock Shorting Cap, Add	5.38	
For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	
26 56 16 00-0133 EA Up To 5,950 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-6M2-MV-NW-X-GY-XXX-WL).....	449.67	123.73
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For >500 To 1,000, Deduct	-20.22	
For >1,000 To 2,500, Deduct	-28.31	
For >2,500, Deduct	-36.40	
For Twist Lock Shorting Cap, Add	5.38	
For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	
26 56 16 00-0134 EA Up To 9,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC3-10M2-MV-NW-X-GY-XXX-WL).....	513.50	128.55
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For >500 To 1,000, Deduct	-25.64	
For >1,000 To 2,500, Deduct	-35.90	
For >2,500, Deduct	-46.16	
For Twist Lock Shorting Cap, Add	5.38	
For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	
26 56 16 00-0135 EA Up To 11,450 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-12M2-MV-NW-X-GY-XXX-WL).....	590.49	132.02
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For >500 To 1,000, Deduct	-32.65	
For >1,000 To 2,500, Deduct	-45.70	
For >2,500, Deduct	-58.76	
For Twist Lock Shorting Cap, Add	5.38	
For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	
26 56 16 00-0136 EA Up To 14,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-15M2-MV-NW-X-GY-XXX-WL).....	594.76	134.15
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For >500 To 1,000, Deduct	-32.65	
For >1,000 To 2,500, Deduct	-45.70	
For >2,500, Deduct	-58.76	
For Twist Lock Shorting Cap, Add	5.38	
For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	
26 56 16 00-0137 EA Up To 16,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-18M2-MV-NW-X-GY-XXX-WL).....	713.13	136.29
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For >500 To 1,000, Deduct	-44.05	
For >1,000 To 2,500, Deduct	-61.68	
For >2,500, Deduct	-79.30	
For Twist Lock Shorting Cap, Add	5.38	
For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	
26 56 16 00-0138 EA Up To 18,750 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-20M2-MV-NW-X-GY-XXX-WL).....	745.59	138.96
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For >500 To 1,000, Deduct	-46.77	
For >1,000 To 2,500, Deduct	-65.47	
For >2,500, Deduct	-84.18	
For Twist Lock Shorting Cap, Add	5.38	
For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	
26 56 16 00-0139 EA Up To 22,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-24M2-MV-NW-X-GY-XXX-WL).....	824.41	141.11
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For >500 To 1,000, Deduct	-54.22	
For >1,000 To 2,500, Deduct	-75.91	
For >2,500, Deduct	-97.60	
For Twist Lock Shorting Cap, Add	5.38	
For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	
26 56 16 00-0140 EA Up To 29,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC9-30M2-MV-NW-X-GY-XXX-WL).....	879.51	143.24
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For >500 To 1,000, Deduct	-59.30	
For >1,000 To 2,500, Deduct	-83.02	
For >2,500, Deduct	-106.75	
For Twist Lock Shorting Cap, Add	5.38	
For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 56 16 00-0141	EA	Up To 4,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-20F-MV-NW-X-GY-XXX-WL).....	472.91	122.93
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For >500 To 1,000, Deduct	-22.71	
		For >1,000 To 2,500, Deduct	-31.79	
		For >2,500, Deduct	-40.87	
		For Twist Lock Shorting Cap, Add	5.38	
		For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
		For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	
26 56 16 00-0142	EA	Up To 7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-30F-MV-NW-X-GY-XXX-WL).....	514.34	126.14
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For >500 To 1,000, Deduct	-26.21	
		For >1,000 To 2,500, Deduct	-36.69	
		For >2,500, Deduct	-47.17	
		For Twist Lock Shorting Cap, Add	5.38	
		For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
		For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	
26 56 16 00-0143	EA	Up To 9,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-XXX-WL).....	550.77	128.55
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For >500 To 1,000, Deduct	-29.37	
		For >1,000 To 2,500, Deduct	-41.12	
		For >2,500, Deduct	-52.86	
		For Twist Lock Shorting Cap, Add	5.38	
		For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
		For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	
26 56 16 00-0144	EA	Up To 12,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-1AMP-WL).....	582.64	131.48
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For >500 To 1,000, Deduct	-31.97	
		For >1,000 To 2,500, Deduct	-44.75	
		For >2,500, Deduct	-57.54	
		For Twist Lock Shorting Cap, Add	5.38	
		For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
		For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	
26 56 16 00-0145	EA	Up To 13,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-60F-MV-NW-X-GY-XXX-WL).....	614.14	132.56
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For >500 To 1,000, Deduct	-34.90	
		For >1,000 To 2,500, Deduct	-48.87	
		For >2,500, Deduct	-62.83	
		For Twist Lock Shorting Cap, Add	5.38	
		For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
		For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	
26 56 16 00-0146	EA	Up To 17,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-80F-MV-NW-X-GY-XXX-WL).....	719.79	137.36
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For >500 To 1,000, Deduct	-44.51	
		For >1,000 To 2,500, Deduct	-62.31	
		For >2,500, Deduct	-80.11	
		For Twist Lock Shorting Cap, Add	5.38	
		For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
		For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	
26 56 16 00-0147	EA	Up To 19,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-90F-MV-NW-X-GY-XXX-WL).....	805.33	140.04
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For >500 To 1,000, Deduct	-52.53	
		For >1,000 To 2,500, Deduct	-73.54	
		For >2,500, Deduct	-94.55	
		For Twist Lock Shorting Cap, Add	5.38	
		For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
		For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	
26 56 16 00-0148	EA	Up To 22,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-100F-MV-NW-X-GY-XXX-WL).....	851.57	140.57
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For >500 To 1,000, Deduct	-57.04	
		For >1,000 To 2,500, Deduct	-79.86	
		For >2,500, Deduct	-102.68	
		For Twist Lock Shorting Cap, Add	5.38	
		For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
		For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	
26 56 16 00-0149	EA	Up To 26,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-120F-MV-NW-X-GY-XXX-WL).....	896.58	142.17
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For >500 To 1,000, Deduct	-61.22	
		For >1,000 To 2,500, Deduct	-85.71	
		For >2,500, Deduct	-110.20	
		For Twist Lock Shorting Cap, Add	5.38	
		For ANSI 7-wire Photocontrol Receptacle, Add	16.14	
		For Ripley Long-Life Twist Lock Photocontrol, Add	28.87	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 16 00-0150	EA		Up To 11,720 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-30H-MV-NW-X-GY-1AMP).....	508.91	134.15
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >500 To 1,000, Deduct</i>	-24.06	
			<i>For >1,000 To 2,500, Deduct</i>	-33.68	
			<i>For >2,500, Deduct</i>	-43.31	
			<i>For Twist Lock Shorting Cap, Add</i>	5.38	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	16.14	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	28.87	
26 56 16 00-0151	EA		Up To 15,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-40H-MV-NW-X-GY-1AMP).....	545.47	135.49
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >500 To 1,000, Deduct</i>	-27.45	
			<i>For >1,000 To 2,500, Deduct</i>	-38.43	
			<i>For >2,500, Deduct</i>	-49.41	
			<i>For Twist Lock Shorting Cap, Add</i>	5.38	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	16.14	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	28.87	
26 56 16 00-0152	EA		Up To 4,180 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ0-15H-MV-NW-X-GY-XXX-WL).....	402.34	122.67
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >500 To 1,000, Deduct</i>	-15.70	
			<i>For >1,000 To 2,500, Deduct</i>	-21.98	
			<i>For >2,500, Deduct</i>	-28.26	
			<i>For Twist Lock Shorting Cap, Add</i>	5.38	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	16.14	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	28.87	
26 56 16 00-0153	EA		Up To 5,510 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ1-20H-MV-NW-X-GY-XXX-WL).....	409.00	123.73
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >500 To 1,000, Deduct</i>	-16.15	
			<i>For >1,000 To 2,500, Deduct</i>	-22.61	
			<i>For >2,500, Deduct</i>	-29.08	
			<i>For Twist Lock Shorting Cap, Add</i>	5.38	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	16.14	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	28.87	
26 56 16 00-0154	EA		Up To 7,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ2-20H-MV-NW-X-GY-1AMP-WL).....	439.79	126.14
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >500 To 1,000, Deduct</i>	-18.75	
			<i>For >1,000 To 2,500, Deduct</i>	-26.25	
			<i>For >2,500, Deduct</i>	-33.75	
			<i>For Twist Lock Shorting Cap, Add</i>	5.38	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	16.14	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	28.87	
26 56 16 00-0155	EA		Up To 16,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-60G-MV-NW-X-GY-XXX-WL).....	644.23	136.29
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >500 To 1,000, Deduct</i>	-37.16	
			<i>For >1,000 To 2,500, Deduct</i>	-52.03	
			<i>For >2,500, Deduct</i>	-66.90	
			<i>For Twist Lock Shorting Cap, Add</i>	5.38	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	16.14	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	28.87	
26 56 16 00-0156	EA		Up To 22,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-80G-MV-NW-X-GY-XXX-WL).....	819.94	140.57
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >500 To 1,000, Deduct</i>	-53.88	
			<i>For >1,000 To 2,500, Deduct</i>	-75.43	
			<i>For >2,500, Deduct</i>	-96.99	
			<i>For Twist Lock Shorting Cap, Add</i>	5.38	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	16.14	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	28.87	
26 56 16 00-0157	EA		Up To 22,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL2-60G-MV-NW-X-GY-1AMP-WL).....	739.69	141.11
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >500 To 1,000, Deduct</i>	-45.75	
			<i>For >1,000 To 2,500, Deduct</i>	-64.05	
			<i>For >2,500, Deduct</i>	-82.35	
			<i>For Twist Lock Shorting Cap, Add</i>	5.38	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	16.14	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	28.87	
26 56 16 00-0158	EA		Up To 5,484 Lumens, Horizontal Tenon Mount, LED Security Light (Leotek® SafeGuard™ SG1-01-MV-NW-5-GY).....	389.32	122.93
			<i>For >500 To 1,000, Deduct</i>	-14.35	
			<i>For >1,000 To 2,500, Deduct</i>	-20.08	
			<i>For >2,500, Deduct</i>	-25.82	
			<i>For Twist Lock Shorting Cap, Add</i>	5.38	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	16.14	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	28.87	
26 56 16 00-0159			Induction Roadway Lighting (26 56 16)		
26 56 16 00-0160			Induction Roadway Lighting (US Lighting Tech) (26 56 16 00-0159)		
			Note: Includes gray powder coat finish heavy duty die cast aluminum body and flat glass lens.		
26 56 16 00-0161	EA		40 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	671.26	160.35

26 Electrical
26 50 Lighting
 26 56 Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 16 00-0162 EA 70 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	750.88	165.69
26 56 16 00-0163 EA 100 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	772.06	176.38
26 56 16 00-0164 EA 150 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	793.44	187.07
26 56 16 00-0165 EA 200 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	962.23	192.42
26 56 16 00-0166 EA 250 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	978.42	197.76
26 56 16 00-0167 EA 40 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	613.51	160.35
26 56 16 00-0168 EA 70 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	701.19	165.69
26 56 16 00-0169 EA 100 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	722.57	176.38
26 56 16 00-0170 EA 150 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	743.95	187.07
26 56 23 Area Lighting ^(26 56)		
26 56 23 00-0001 Exterior Globe ^(26 56 23)		
26 56 23 00-0002 Incandescent ^(26 56 23 00-0001)		
26 56 23 00-0003 EA 100 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture.....	57.78	17.65
26 56 23 00-0004 EA 150-200 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture.....	98.46	17.65
26 56 23 00-0005 EA 100 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture.....	72.37	17.65
26 56 23 00-0006 EA 150-200 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture.....	104.09	17.65
26 56 23 00-0007 Surface Mounted, Rectangular Exterior Area Fixture ^(26 56 23)		
26 56 23 00-0008 Metal Halide ^(26 56 23 00-0007)		
26 56 23 00-0009 EA 175 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	484.10	201.89
26 56 23 00-0010 EA 250 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	549.26	227.13
26 56 23 00-0011 EA 400 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	651.80	252.37
26 56 23 00-0012 EA 1,000 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	839.98	295.78
26 56 23 00-0013 High Pressure Sodium ^(26 56 23 00-0007)		
26 56 23 00-0014 EA 70 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	460.89	172.62
26 56 23 00-0015 EA 100 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	499.58	183.72
26 56 23 00-0016 EA 150 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	538.03	193.82
26 56 23 00-0017 EA 175 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	556.44	201.89
26 56 23 00-0018 EA 250 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	616.73	227.13
26 56 23 00-0019 EA 400 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	665.77	252.37
26 56 23 00-0020 EA 1,000 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	914.88	295.78
26 56 23 00-0021 Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures ^(26 56 23)		
26 56 23 00-0022 High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures ^(26 56 23 00-0021)		
Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 23 00-0023 EA 35 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	523.20	136.27
26 56 23 00-0024 EA 50 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	545.91	151.42
26 56 23 00-0025 EA 70 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	587.13	172.62
26 56 23 00-0026 EA 100 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	604.92	183.72
26 56 23 00-0027 EA 150 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	623.72	193.82
26 56 23 00-0028 EA 175 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	653.16	201.89
26 56 23 00-0029 EA 250 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	714.91	227.13
26 56 23 00-0030 EA 400 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	858.87	252.37
26 56 23 00-0031 Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures ^(26 56 23 00-0021)		
Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 23 00-0032 EA 50 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	576.16	151.42
26 56 23 00-0033 EA 70 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	612.82	172.62
26 56 23 00-0034 EA 100 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	634.81	183.72
26 56 23 00-0035 EA 150 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	662.89	193.82
26 56 23 00-0036 EA 175 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	678.92	201.89
26 56 23 00-0037 EA 250 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	742.02	227.13
26 56 23 00-0038 EA 400 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	930.75	252.37
26 56 23 00-0039 Compact Fluorescent And Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures ^(26 56 23 00-0021)		
Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 23 00-0040 EA 7 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	190.60	70.58
26 56 23 00-0041 EA 9 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	199.46	74.99
26 56 23 00-0042 EA 13 Or 14 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	217.98	79.41
26 56 23 00-0043 EA 75 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	219.24	88.22
26 56 23 00-0044 EA 100 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	247.46	101.45



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0045 Wall Packs <small>(26 56 23)</small>		
26 56 23 00-0046 Non Cutoff, Polycarbonate Lens, Mini Wall Packs <small>(26 56 23 00-0045)</small>		
<small>Note: Polycarbonate body and aluminum reflector. 11" x 6-1/2" x 5-1/4". Lithonia TWS.</small>		
26 56 23 00-0047 EA 13 Watt Compact Fluorescent, Non Cutoff, Polycarbonate Lens, Mini Wall Pack	245.90	48.25
26 56 23 00-0048 EA 50 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Mini Wall Pack	260.77	48.25
26 56 23 00-0049 EA 35 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack	260.77	48.25
26 56 23 00-0050 EA 70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack	332.82	48.25
26 56 23 00-0051 Semi Cutoff, Polycarbonate Lens, Mini Wall Packs <small>(26 56 23 00-0045)</small>		
<small>Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWA.</small>		
26 56 23 00-0052 EA 42 Watt Compact Fluorescent, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	449.12	48.25
26 56 23 00-0053 EA 50 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	454.46	48.25
26 56 23 00-0054 EA 70 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	459.09	48.25
26 56 23 00-0055 EA 100 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	450.66	48.25
26 56 23 00-0056 EA 70 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	415.98	48.25
26 56 23 00-0057 EA 100 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	396.94	48.25
26 56 23 00-0058 Cutoff, Polycarbonate Lens, Mini Wall Packs <small>(26 56 23 00-0045)</small>		
<small>Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWAC.</small>		
26 56 23 00-0059 EA 50 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	471.06	48.25
26 56 23 00-0060 EA 70 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	475.93	48.25
26 56 23 00-0061 EA 100 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	467.51	48.25
26 56 23 00-0062 EA 70 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	474.29	48.25
26 56 23 00-0063 EA 100 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	474.29	48.25
26 56 23 00-0064 Non Cutoff, Borosilicate Glass Lens, Small Wall Packs <small>(26 56 23 00-0045)</small>		
<small>Note: Aluminum body and reflector. 9" x 13" x 7-3/8". Lithonia TWR1.</small>		
26 56 23 00-0065 EA 70 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	463.28	64.27
26 56 23 00-0066 EA 100 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	463.28	64.27
26 56 23 00-0067 EA 175 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	437.18	64.27
26 56 23 00-0068 EA 70 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	447.19	64.27
26 56 23 00-0069 EA 100 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	447.19	64.27
26 56 23 00-0070 EA 150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	418.25	64.27
26 56 23 00-0071 Cutoff, Borosilicate Glass Lens, Small Wall Packs <small>(26 56 23 00-0045)</small>		
<small>Note: Aluminum body and reflector. 10-1/4" x 13" x 8-15/32". Lithonia TWR1C.</small>		
26 56 23 00-0072 EA 70 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	478.74	64.27
26 56 23 00-0073 EA 100 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	478.74	64.27
26 56 23 00-0074 EA 175 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	478.74	64.27
26 56 23 00-0075 EA 70 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	463.39	64.27
26 56 23 00-0076 EA 100 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	463.39	64.27
26 56 23 00-0077 EA 150 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	463.39	64.27
26 56 23 00-0078 Full Cutoff, Tempered Glass Lens, Small Wall Packs <small>(26 56 23 00-0045)</small>		
<small>Note: Aluminum body and reflector. 9-3/8" x 14-3/8" x 8-3/4". Meets Nighttime Friendly criteria. Lithonia TWR1S.</small>		
26 56 23 00-0079 EA 175 Watt Metal Halide, Full Cutoff, Tempered Glass Lens, Small Wall Pack	603.65	64.27
26 56 23 00-0080 Cutoff, Borosilicate Glass Lens, Medium Wall Packs <small>(26 56 23 00-0045)</small>		
<small>Note: Aluminum body and reflector. Lithonia TWR2.</small>		
26 56 23 00-0081 EA 250 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	583.33	79.61
<small>Note: 9-1/4" x 17-7/8" x 9-3/8".</small>		
26 56 23 00-0082 EA 400 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	618.71	79.61
<small>Note: 9-1/4" x 17-7/8" x 12-1/2".</small>		
26 56 23 00-0083 EA 250 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	660.89	79.61
<small>Note: 9-1/4" x 17-7/8" x 9-3/8".</small>		
26 56 23 00-0084 EA 400 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	672.50	79.61
<small>Note: 9-1/4" x 17-7/8" x 12-1/2".</small>		
26 56 23 00-0085 Cutoff, Tempered Glass Lens, Medium Wall Packs <small>(26 56 23 00-0045)</small>		
<small>Note: Aluminum body and reflector. 10" x 17-1/8" x 14-1/2". Lithonia TWR2C.</small>		
26 56 23 00-0086 EA 250 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	628.84	79.61
26 56 23 00-0087 EA 400 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	668.59	79.61
26 56 23 00-0088 Non Cutoff, Polycarbonate Lens, Large Wall Packs <small>(26 56 23 00-0045)</small>		
<small>Note: Polycarbonate body and powder coated reflector. 15-7/16" x 16-1/8" x 7-3/4". Lithonia TWP.</small>		
26 56 23 00-0089 EA 100 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack	598.23	96.51
26 56 23 00-0090 EA 175 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack	556.13	96.51
26 56 23 00-0091 EA 70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack	588.49	96.51
26 56 23 00-0092 EA 100 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack	591.71	96.51
26 56 23 00-0093 EA 150 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack	595.09	96.51

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0094 Non Cutoff, Borosilicate Glass Lens, Large Wall Packs <small>(26 56 23 00-0045)</small>		
<small>Note: Aluminum body and reflector. 15-3/4" x 16-1/4" x 8". Lithonia TWH.</small>		
26 56 23 00-0095 EA 175 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	598.24	96.51
26 56 23 00-0096 EA 250 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	612.29	96.51
26 56 23 00-0097 EA 400 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	654.39	96.51
26 56 23 00-0098 EA 150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	626.33	96.51
26 56 23 00-0099 EA 250 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	640.38	96.51
26 56 23 00-0100 EA 400 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	668.42	96.51
26 56 23 00-0101 Full Cutoff, LED Wall Packs <small>(26 56 23 00-0045)</small>		
26 56 23 00-0102 Full Cutoff, LED Wall Packs (Lithonia) <small>(26 56 23 00-0101)</small>		
26 56 23 00-0103 EA 30 LEDs, 57 System Watts, 530 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	1,200.27	93.54
26 56 23 00-0104 EA 30 LEDs, 35 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	1,310.25	93.54
26 56 23 00-0105 Full Cutoff, LED Wall Packs (CREE® BetaLED®) <small>(26 56 23 00-0101)</small>		
26 56 23 00-0106 Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® Edge® SEC-EDG) <small>(26 56 23 00-0105)</small>		
<small>Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.</small>		
26 56 23 00-0107 EA 20 LEDs, 26 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	769.08	90.86
<small>Note: Includes 350mA or 525mA driver.</small>		
<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.21	
<i>For Bird Spikes, Add</i>	39.73	
<i>For Fuse, Add</i>	48.64	
<i>For 0 To 10 Volt Dimming, Add</i>	48.64	
<i>For 480 Volt, Add</i>	72.97	
<i>For Multi-Level, Add</i>	105.39	
26 56 23 00-0108 EA 40 LEDs, 47 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	992.59	96.21
<small>Note: Includes 350mA or 525mA driver.</small>		
<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.21	
<i>For Bird Spikes, Add</i>	40.26	
<i>For Fuse, Add</i>	48.64	
<i>For 0 To 10 Volt Dimming, Add</i>	48.64	
<i>For 480 Volt, Add</i>	72.97	
<i>For Multi-Level, Add</i>	105.39	
26 56 23 00-0109 EA 60 LEDs, 68 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,113.19	101.55
<small>Note: Includes 350mA or 525mA driver.</small>		
<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.21	
<i>For Bird Spikes, Add</i>	40.80	
<i>For Fuse, Add</i>	48.64	
<i>For 0 To 10 Volt Dimming, Add</i>	48.64	
<i>For 480 Volt, Add</i>	72.97	
<i>For Multi-Level, Add</i>	105.39	
26 56 23 00-0110 EA 80 LEDs, 90 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,439.59	106.90
<small>Note: Includes 350mA or 525mA driver.</small>		
<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.21	
<i>For Bird Spikes, Add</i>	41.33	
<i>For Fuse, Add</i>	48.64	
<i>For 0 To 10 Volt Dimming, Add</i>	48.64	
<i>For 480 Volt, Add</i>	72.97	
<i>For Multi-Level, Add</i>	105.39	
26 56 23 00-0111 EA 100 LEDs, 111 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,663.09	112.24
<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.21	
<i>For Bird Spikes, Add</i>	41.86	
<i>For Fuse, Add</i>	48.64	
<i>For 0 To 10 Volt Dimming, Add</i>	48.64	
<i>For 480 Volt, Add</i>	72.97	
<i>For Multi-Level, Add</i>	105.39	
26 56 23 00-0112 EA 120 LEDs, 132 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,886.59	117.59
<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.21	
<i>For Bird Spikes, Add</i>	42.40	
<i>For Fuse, Add</i>	48.64	
<i>For 0 To 10 Volt Dimming, Add</i>	48.64	
<i>For 480 Volt, Add</i>	72.97	
<i>For Multi-Level, Add</i>	105.39	
26 56 23 00-0113 Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® XSPW™) <small>(26 56 23 00-0105)</small>		
<small>Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, Class 2 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.</small>		
26 56 23 00-0114 EA 25 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™)	453.07	90.86
<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.21	
<i>For 0 To 10 Volt Dimming, Add</i>	48.64	
<i>For Multi-Level, Add</i>	48.64	
26 56 23 00-0115 EA 42 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™)	527.07	96.21
<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.21	
<i>For 0 To 10 Volt Dimming, Add</i>	48.64	
<i>For Multi-Level, Add</i>	48.64	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0116 Semi Cutoff, Induction Wall Packs <small>(26 56 23 00-0045)</small>		
26 56 23 00-0117 Semi Cutoff, Induction Wall Packs (Everlast®) <small>(26 56 23 00-0116)</small>		
Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 23 00-0118 EA 70 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-70)	719.92	90.86
26 56 23 00-0119 EA 80 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-80)	736.61	96.21
26 56 23 00-0120 EA 100 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-100)	753.28	101.55
26 56 23 00-0121 EA 120 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-120)	835.93	106.90
26 56 23 00-0122 Wall Pack Accessories <small>(26 56 23 00-0045)</small>		
26 56 23 00-0123 EA Photocell For Wall Pack	91.29	24.13
26 56 23 00-0124 EA Wire Guard For Mini And Small Wall Pack	100.29	24.13
26 56 23 00-0125 EA Wire Guard For Medium And Large Wall Pack	137.91	24.13
26 56 23 00-0126 EA Clear Polycarbonate Vandal Guard For Wall Packs	192.21	24.13
26 56 23 00-0127 EA Full Cutoff Visor For Wall Pack	97.83	24.13
26 56 23 00-0128 Open Face LED Wall Pack <small>(26 56 23 00-0045)</small>		
Note: Heavy-duty cast aluminum housing is polyester powder coated to be rust and corrosion proof, High-quality shatter-resistant glass		
26 56 23 00-0129 EA 3,640 Lumens, 28 Watt, Open Face Wall Pack, With Motion Sensor (Maxlite WP-OP28U-50B-MS)	501.15	96.51
26 56 23 00-0130 EA 5,540 Lumens, 40 Watt, Open Face Wall Pack, With Motion Sensor (Maxlite WP-OP40U-50B-MS)	532.46	96.51
26 56 23 00-0131 EA 7,065 Lumens, 50 Watt, Open Face Wall Pack, With Motion Sensor (Maxlite WP-OP50U-50B-MS)	548.86	96.51
26 56 23 00-0132 EA 11,375 Lumens, 80 Watt, Open Face Wall Pack, With Motion Sensor (Maxlite WP-OP80U-50B-MS)	562.16	96.51
26 56 23 00-0133 EA 16,945 Lumens, 120 Watt, Open Face Wall Pack, With Motion Sensor (Maxlite WP-OP120U-50B-MS)	661.91	96.51
26 56 23 00-0134 LED Area Fixtures <small>(26 56 23)</small>		
26 56 23 00-0135 Pole Mount, LED Area Fixtures <small>(26 56 23 00-0134)</small>		
26 56 23 00-0136 Pole Mount, Rectangular, LED Architectural Area Fixtures (Lithonia DSX) <small>(26 56 23 00-0135)</small>		
Note: UL wet listed. Includes 4,000K color temperature, 480 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0137 EA 20 LEDs, 45 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED)	2,329.80	90.86
26 56 23 00-0138 EA 40 LEDs, 91 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED)	2,512.34	96.21
26 56 23 00-0139 EA 80 LEDs, 188 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED)	2,705.55	106.90
26 56 23 00-0140 EA 100 LEDs, 218 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED)	2,716.24	112.24
26 56 23 00-0141 Arm Mount, Rectangular, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDG) <small>(26 56 23 00-0135)</small>		
Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type III Medium optic. Excludes sensors. All fixtures without the backlight control shield are DLC qualified		
26 56 23 00-0142 EA 40 LEDs, 47 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,033.78	96.21
For Backlight Shielding, Add	19.25	
For Type II Medium Optic, Add	32.73	
For 480 Volt, Add	59.38	
For Multi-Level Drive Currents, Add	192.47	
26 56 23 00-0143 EA 60 LEDs, 68 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,246.55	101.55
For Backlight Shielding, Add	19.25	
For Type II Medium Optic, Add	33.27	
For 480 Volt, Add	59.38	
For Multi-Level Drive Currents, Add	192.47	
26 56 23 00-0144 EA 80 LEDs, 90 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,540.44	106.90
For Backlight Shielding, Add	19.25	
For Type II Medium Optic, Add	33.80	
For 480 Volt, Add	59.38	
For Multi-Level Drive Currents, Add	192.47	
26 56 23 00-0145 EA 100 LEDs, 111 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,753.22	112.24
For Backlight Shielding, Add	19.25	
For Type II Medium Optic, Add	34.33	
For 480 Volt, Add	59.38	
For Multi-Level Drive Currents, Add	192.47	
26 56 23 00-0146 EA 120 LEDs, 132 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,966.00	117.59
For Backlight Shielding, Add	19.25	
For Type II Medium Optic, Add	34.87	
For 480 Volt, Add	59.38	
For Multi-Level Drive Currents, Add	192.47	
26 56 23 00-0147 EA 140 LEDs, 157 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,243.39	122.93
For Backlight Shielding, Add	19.25	
For Type II Medium Optic, Add	35.40	
For 480 Volt, Add	59.38	
For Multi-Level Drive Currents, Add	192.47	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0148 EA 160 LEDs, 179 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	2,456.17	128.27
For Backlight Shielding, Add	19.25	
For Type II Medium Optic, Add	35.94	
For 480 Volt, Add	59.38	
For Multi-Level Drive Currents, Add	192.47	
26 56 23 00-0149 Direct Or Arm Mount, Rectangular, High Output, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EHO) (26 56 23 00-0135)		
Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0150 EA 120 LEDs, 267 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO).....	1,816.78	117.59
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.21	
For Bird Spikes, Add	37.30	
For 5,000K Color Temperature, Add	40.54	
For Fuse, Add	48.64	
For 0 To 10 Volt Dimming, Add	48.64	
For 480 Volt, Add	72.97	
For Multi-Level, Add	105.39	
For 1,000mA Driver, Add	136.21	
26 56 23 00-0151 EA 240 LEDs, 533 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO).....	3,061.99	144.31
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.21	
For 5,000K Color Temperature, Add	40.54	
For Fuse, Add	48.64	
For 0 To 10 Volt Dimming, Add	48.64	
For Bird Spikes, Add	55.30	
For Multi-Level, Add	105.39	
For 1,000mA Driver, Add	136.20	
For 480 Volt, Add	145.92	
26 56 23 00-0152 Wall Mount, LED Area Fixtures (26 56 23 00-0134)		
26 56 23 00-0153 Wall Mount, LED Architectural Area Fixtures (Lithonia DSXW) (26 56 23 00-0152)		
Note: UL wet listed. Includes 4,000K color temperature, 277 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0154 EA 20 LEDs, 47 System Watts, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED).....	1,008.31	90.86
26 56 23 00-0155 EA 30 LEDs, 71 System Watts, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED).....	1,029.68	101.55
26 56 23 00-0156 Surface Mount, LED Parking Structure Fixtures (26 56 23 00-0134)		
26 56 23 00-0157 Surface Mount, Rectangular, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-EDG) (26 56 23 00-0156)		
Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0158 EA 40 LEDs, 47 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	912.80	96.21
For Multi-Level Drive Currents, Add	192.47	
26 56 23 00-0159 EA 60 LEDs, 68 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,125.57	101.55
For Multi-Level Drive Currents, Add	192.47	
26 56 23 00-0160 EA 80 LEDs, 90 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,338.35	106.90
For Multi-Level Drive Currents, Add	192.47	
26 56 23 00-0161 EA 100 LEDs, 111 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,551.13	112.24
For Multi-Level Drive Currents, Add	192.47	
26 56 23 00-0162 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-304) (26 56 23 00-0156)		
Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0163 EA 40 LEDs, 47 System Watts, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304).....	879.80	96.21
For Multi-Level Drive Currents, Add	192.47	
26 56 23 00-0164 EA 60 LEDs, 68 System Watts, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304).....	971.59	101.55
For Multi-Level Drive Currents, Add	192.47	
26 56 23 00-0165 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VG) (26 56 23 00-0156)		
Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0166 EA 3,700 Lumens, 50 System Watts, Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VGADM5MA40KUL).....	610.45	96.21



Electrical	26	
Lighting	26 50	26
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0167			Surface Mount, Rectangular, LED Parking Structure Fixtures (Philips Gardco ELG) <small>(26 56 23 00-0156)</small> Note: Direct or pendant mount. UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and aluminum finish. Excludes sensors.		
26 56 23 00-0168	EA		70 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	1,160.83	101.55
26 56 23 00-0169	EA		110 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	1,182.21	112.24
26 56 23 00-0170			Surface Mount, LED Canopy Fixtures <small>(26 56 23 00-0134)</small>		
26 56 23 00-0171			Surface Mount, Rectangular, LED Canopy Fixtures (CREE® BetaLED® Edge® CAN-EDG) <small>(26 56 23 00-0170)</small> Note: Direct or pendant mount. UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0172	EA		40 LEDs, 47 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,058.52	96.21
			<i>For Multi-Level Drive Currents, Add</i>	192.47	
26 56 23 00-0173	EA		60 LEDs, 68 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,271.29	101.55
			<i>For Multi-Level Drive Currents, Add</i>	192.47	
26 56 23 00-0174	EA		80 LEDs, 90 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,484.07	106.90
			<i>For Multi-Level Drive Currents, Add</i>	192.47	
26 56 23 00-0175	EA		100 LEDs, 111 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,696.85	112.24
			<i>For Multi-Level Drive Currents, Add</i>	192.47	
26 56 23 00-0176	EA		120 LEDs, 132 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,909.63	117.59
			<i>For Multi-Level Drive Currents, Add</i>	192.47	
26 56 23 00-0177	EA		140 LEDs, 157 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,203.53	122.93
			<i>For Multi-Level Drive Currents, Add</i>	192.47	
26 56 23 00-0178	EA		160 LEDs, 179 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,416.31	128.27
			<i>For Multi-Level Drive Currents, Add</i>	192.47	
26 56 23 00-0179	EA		200 LEDs, 221 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,841.88	138.96
			<i>For Multi-Level Drive Currents, Add</i>	192.47	
26 56 23 00-0180	EA		240 LEDs, 264 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	3,256.74	144.31
			<i>For Multi-Level Drive Currents, Add</i>	192.47	
26 56 23 00-0181			Surface Mount, Square, LED Canopy/Soffit Fixtures (CREE® BetaLED® CPY250) <small>(26 56 23 00-0170)</small> Note: UL wet listed. Includes 5,700K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0182	EA		8,000 Lumens, 82 System Watts, Surface Mount, Square, LED Canopy/Soffit Fixture (CREE® BetaLED® CPY250).....	732.08	106.90
26 56 23 00-0183			Recessed Mount, LED Soffit Fixtures <small>(26 56 23 00-0134)</small>		
26 56 23 00-0184			Recessed Mount, Square, LED Soffit Fixtures (CREE® BetaLED® SFT-304) <small>(26 56 23 00-0183)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0185	EA		40 LEDs, 47 System Watts, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304).....	896.30	96.21
26 56 23 00-0186	EA		60 LEDs, 68 System Watts, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304).....	988.09	101.55
26 56 23 00-0187			Surface Mount, LED Area Fixtures <small>(26 56 23 00-0134)</small>		
26 56 23 00-0188			Surface Mount, Square, LED Multi-Purpose Area Fixtures (LSI Industries® Crossover® XPG) <small>(26 56 23 00-0187)</small> Note: UL wet listed. Includes 5,300K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black or silver powder coat finish. Excludes sensors.		
26 56 23 00-0189	EA		50 LEDs, 59 System Watts, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	755.68	96.21
26 56 23 00-0190	EA		50 LEDs, 59 System Watts, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	858.72	96.21
26 56 23 00-0191	EA		68 LEDs, 79 System Watts, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	729.36	106.90
26 56 23 00-0192	EA		68 LEDs, 79 System Watts, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	888.46	106.90



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 23 00-0193	Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour®) ^(26 56 23 00-0187) Note: Wall, inverted, post, bollard, floodlight trunnion, or floodlight knuckle mount. UL wet listed. Includes 5,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0194	EA 13 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR1A) For Knuckle Mount Or Trunnion Mount Base, Add	247.89 45.00	34.74
26 56 23 00-0195	EA 20 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR2A) For Knuckle Mount Or Trunnion Mount Base, Add	288.19 45.00	34.74
26 56 23 00-0196	EA 30 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR3A) For Knuckle Mount Or Trunnion Mount Base, Add	364.95 45.00	34.74
26 56 23 00-0197	Surface Mount, LED Facade Fixtures ^(26 56 23 00-0134)		
26 56 23 00-0198	Surface Mount, LED Facade Fixtures (lumenpulse™ lumenfacade™) ^(26 56 23 00-0197)		
26 56 23 00-0199	EA 12" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	437.25	40.58
26 56 23 00-0200	EA 24" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	699.23	37.05
26 56 23 00-0201	EA 36" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	886.46	30.88
26 56 23 00-0202	EA 48" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	1,073.69	24.70
26 56 23 00-0203	Post Top, LED Area Fixtures ^(26 56 23 00-0134)		
26 56 23 00-0204	Post Top, LED Area Fixtures (Cooper Lighting Invue® MSA) ^(26 56 23 00-0203) Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 350mA remote driver, die-cast extruded aluminum housing assembly and white, black, grey, dark platinum, graphite metallic or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0205	EA 1,800 Lumens, 27 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO1)	1,257.60	146.98
26 56 23 00-0206	EA 3,400 Lumens, 54 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO2)	1,380.55	146.98
26 56 23 00-0207	EA 77 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO3)	1,477.74	146.98
26 56 23 00-0208	Post Top, LED Area Fixtures (General Electric EPAS) ^(26 56 23 00-0203) Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, green or bronze powder coat finish. Includes photocontrol sensor.		
26 56 23 00-0209	EA 3,200 Lumens, 45 System Watts, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 E5/E3)	1,469.87 -82.31 -270.46	146.98
26 56 23 00-0210	EA 6,515 Lumens, 80 System Watts, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 C5/C3)	1,501.50 -84.53 -277.73	146.98
26 56 23 00-0211	Post Top, LED Area Fixtures (General Electric EPTC) ^(26 56 23 00-0203) Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, gray or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 23 00-0212	EA 3,200 Lumens, 45 System Watts, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 E5/E3)	1,041.65 -52.34 -216.83	146.98
26 56 23 00-0213	EA 6,150 Lumens, 80 System Watts, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 C5/C3)	1,088.99 -55.65 -206.71	146.98
26 56 23 00-0214	Post Top, LED Area Fixtures (General Electric EPST) ^(26 56 23 00-0203) Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 23 00-0215	EA 3,135 Lumens, 45 System Watts, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 E5/E3)	826.49 -37.28 -111.83	146.98
26 56 23 00-0216	EA 6,115 Lumens, 80 System Watts, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 C5/C3)	873.83 -40.59 -121.77	146.98
26 56 23 00-0217	Post Top, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDR) ^(26 56 23 00-0203) Note: UL wet listed. Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type V Medium optic. Excludes sensors.		
26 56 23 00-0218	EA 13,800 Lumens, 130 System Watts, Post Top Mount, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR)	2,389.11	146.98



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0219 LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53) <small>(26 56 23 00-0203)</small> Note: Includes 4,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0367 for disposal of hazardous lamps.		
26 56 23 00-0220 EA LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53)..... <i>For 0 To 10 Volt Dimming, Add</i>	662.59 <i>48.64</i>	80.17
26 56 23 00-0221 LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) <small>(26 56 23 00-0203)</small> Note: Includes 3,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0367 for disposal of hazardous lamps.		
26 56 23 00-0222 EA LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) <i>For Backlight Control Shield, Add</i>	415.72 <i>32.36</i>	17.11
26 56 23 00-0223 Surface Mount, LED Strip Fixtures (Sylvania) <small>(26 56 23 00-0134)</small>		
26 56 23 00-0224 EA 4' Long, 5,200 Lumens, 40 Watts, Vapor Tight Dimmable LED Fixture (Sylvania VAPOR1B/040UNVD840/48EC/GR/D)	195.68	32.29
26 56 23 00-0225 Induction Area Fixtures <small>(26 56 23)</small>		
26 56 23 00-0226 Post Top, Induction Area Fixtures <small>(26 56 23 00-0225)</small>		
26 56 23 00-0227 Post Top, Induction Area Fixtures (US Lighting Tech) <small>(26 56 23 00-0226)</small> Note: Includes black powder coat finish heavy duty die cast aluminum body and no-lite lid acrylic lens.		
26 56 23 00-0228 EA 40 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	790.26	146.98
26 56 23 00-0229 EA 70 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	870.00	146.98
26 56 23 00-0230 EA 100 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	870.00	146.98
26 56 23 00-0231 EA 150 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	870.00	146.98
26 56 23 00-0232 Surface Mount, Induction Parking Structure Fixtures <small>(26 56 23 00-0225)</small>		
26 56 23 00-0233 Surface Mount, Induction Parking Structure Fixtures (Everlast®) <small>(26 56 23 00-0232)</small>		
26 56 23 00-0234 EA 40 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	697.62	133.62
26 56 23 00-0235 EA 55 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	749.70	136.29
26 56 23 00-0236 EA 70 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	760.55	138.96
26 56 23 00-0237 EA 80 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	771.39	141.63
26 56 23 00-0238 EA 100 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	782.23	144.31
26 56 23 00-0239 EA 120 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	798.58	146.98
26 56 23 00-0240 EA 70/28 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	840.29	138.96
26 56 23 00-0241 EA 80/32 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	851.13	141.63
26 56 23 00-0242 EA 100/40 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	861.97	144.31
26 56 23 00-0243 EA 120/48 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	901.68	146.98
26 56 23 00-0244 Pole Mount, Induction Area Fixtures <small>(26 56 23 00-0225)</small>		
26 56 23 00-0245 Pole Mount, Bi-Level Induction Area Fixtures (Everlast® ESB-ED) <small>(26 56 23 00-0244)</small> Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 23 00-0246 EA 70 Watts, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-70)	749.90	90.86
26 56 23 00-0247 EA 80 Watts, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-80)	772.59	96.21
26 56 23 00-0248 EA 100 Watts, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-100)	795.26	101.55
26 56 23 00-0249 Metal Halide Area Fixtures <small>(26 56 23)</small>		
26 56 23 00-0250 Pole Mount, Metal Halide Area Fixtures <small>(26 56 23 00-0249)</small> Note: Includes pulse start ballast.		
26 56 23 00-0251 EA 150 Watt, Metal Halide Area Fixture, Pole Mount	712.26	133.26
26 56 23 00-0252 EA 175 Watt, Metal Halide Area Fixture, Pole Mount	781.82	146.59
26 56 23 00-0253 EA 250 Watt, Metal Halide Area Fixture, Pole Mount	863.49	159.92
26 56 23 00-0254 EA 400 Watt, Metal Halide Area Fixture, Pole Mount	922.24	186.57
26 56 23 00-0255 High Pressure Sodium Area Fixtures <small>(26 56 23)</small>		
26 56 23 00-0256 Pole Mount, High Pressure Sodium Area Fixtures <small>(26 56 23 00-0255)</small>		
26 56 23 00-0257 EA 100 Watt, High Pressure Sodium Area Fixture, Pole Mount	589.62	106.61
26 56 23 00-0258 EA 150 Watt, High Pressure Sodium Area Fixture, Pole Mount	650.60	133.26
26 56 23 00-0259 EA 250 Watt, High Pressure Sodium Area Fixture, Pole Mount	713.64	159.92
26 56 23 00-0260 EA 400 Watt, High Pressure Sodium Area Fixture, Pole Mount	761.65	186.57



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TOTAL DIRECT DEMOLITION
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26 56 23 00-0261	Area Lighting Accessories ^(26 56 23)		
26 56 23 00-0262	Outdoor Motion Sensors ^(26 56 23 00-0261)		
26 56 23 00-0263	EA 70' Range, 180 Degree Detection Zone, 8 Amp Switching Capacity, Polycarbonate Housing, Outdoor Motion Sensor (Lithonia OMS 1000)	85.38	24.16
26 56 23 00-0264	EA 70' Range, 200 Degree Detection Zone, 10 Amp Switching Capacity, Cast Aluminum Housing, Outdoor Motion Sensor (Lithonia OMS 2000)	92.09	24.16
26 56 23 00-0265	EA 30' Range, 360 Degree Detection Zone, Line Voltage, Plastic Housing, IP66 Rated, Outdoor Motion Sensor With Photocell (SensorSwitch SBOR)	341.55	24.16
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>14.50</i>	
26 56 26	Landscape Lighting ^(26 56)		
26 56 26 00-0001	Bollards ^(26 56 26) Note: Excludes concrete base.		
26 56 26 00-0002	Aluminum Architectural Bollards ^(26 56 26 00-0001)		
26 56 26 00-0003	High Pressure Sodium, Aluminum Architectural Bollards ^(26 56 26 00-0002)		
26 56 26 00-0004	Square, High Pressure Sodium, Aluminum Architectural Bollards ^(26 56 26 00-0003)		
26 56 26 00-0005	EA 24" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	923.96	82.03
26 56 26 00-0006	EA 30" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	933.60	86.85
26 56 26 00-0007	EA 36" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	943.25	91.68
26 56 26 00-0008	EA 42" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	879.52	96.51
26 56 26 00-0009	EA 24" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	923.96	82.03
26 56 26 00-0010	EA 30" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	933.60	86.85
26 56 26 00-0011	EA 36" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	943.25	91.68
26 56 26 00-0012	EA 42" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	879.52	96.51
26 56 26 00-0013	EA 24" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	923.96	82.03
26 56 26 00-0014	EA 30" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	933.60	86.85
26 56 26 00-0015	EA 36" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	943.25	91.68
26 56 26 00-0016	EA 42" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	879.52	96.51
26 56 26 00-0017	EA 24" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	923.96	82.03
26 56 26 00-0018	EA 30" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	933.60	86.85
26 56 26 00-0019	EA 36" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	943.25	91.68
26 56 26 00-0020	EA 42" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	879.52	96.51
26 56 26 00-0021	Round, High Pressure Sodium, Aluminum Architectural Bollards ^(26 56 26 00-0003)		
26 56 26 00-0022	EA 24" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	890.27	82.03
26 56 26 00-0023	EA 30" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	899.91	86.85
26 56 26 00-0024	EA 36" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	909.56	91.68
26 56 26 00-0025	EA 42" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	845.52	96.51
26 56 26 00-0026	EA 24" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	890.27	82.03
26 56 26 00-0027	EA 30" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	899.91	86.85
26 56 26 00-0028	EA 36" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	909.56	91.68
26 56 26 00-0029	EA 42" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	845.52	96.51
26 56 26 00-0030	EA 24" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	890.27	82.03
26 56 26 00-0031	EA 30" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	899.91	86.85
26 56 26 00-0032	EA 36" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	909.56	91.68
26 56 26 00-0033	EA 42" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	845.52	96.51
26 56 26 00-0034	EA 24" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	890.27	82.03
26 56 26 00-0035	EA 30" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	899.91	86.85
26 56 26 00-0036	EA 36" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	909.56	91.68
26 56 26 00-0037	EA 42" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	845.52	96.51
26 56 26 00-0038	Metal Halide, Aluminum Architectural Bollards ^(26 56 26 00-0002)		
26 56 26 00-0039	Square, Metal Halide, Aluminum Architectural Bollards ^(26 56 26 00-0038)		
26 56 26 00-0040	EA 24" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	967.72	82.03
26 56 26 00-0041	EA 30" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	977.36	86.85
26 56 26 00-0042	EA 36" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	987.01	91.68
26 56 26 00-0043	EA 42" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	922.97	96.51
26 56 26 00-0044	EA 24" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	967.72	82.03
26 56 26 00-0045	EA 30" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	977.36	86.85
26 56 26 00-0046	EA 36" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	987.01	91.68
26 56 26 00-0047	EA 42" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	922.97	96.51
26 56 26 00-0048	EA 24" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	967.72	82.03
26 56 26 00-0049	EA 30" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	977.36	86.85
26 56 26 00-0050	EA 36" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	987.01	91.68
26 56 26 00-0051	EA 42" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	959.58	96.51
26 56 26 00-0052	Round, Metal Halide, Aluminum Architectural Bollards ^(26 56 26 00-0038)		
26 56 26 00-0053	EA 24" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	933.71	82.03
26 56 26 00-0054	EA 30" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	943.35	86.85
26 56 26 00-0055	EA 36" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	953.00	91.68
26 56 26 00-0056	EA 42" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	888.96	96.51
26 56 26 00-0057	EA 24" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	933.71	82.03



Electrical	26	
Lighting	26 50	26
Exterior Lighting	26 56	

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26 56 26 00-0058 EA 30" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard.....	943.35	86.85
26 56 26 00-0059 EA 36" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard.....	953.00	91.68
26 56 26 00-0060 EA 42" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard.....	888.96	96.51
26 56 26 00-0061 EA 24" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard.....	933.71	82.03
26 56 26 00-0062 EA 30" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard.....	943.35	86.85
26 56 26 00-0063 EA 36" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard.....	953.00	91.68
26 56 26 00-0064 EA 42" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard.....	888.96	96.51
26 56 26 00-0065 Compact Fluorescent, Aluminum Architectural Bollards (26 56 26 00-0002)		
26 56 26 00-0066 Square, Compact Fluorescent, Aluminum Architectural Bollards (26 56 26 00-0065)		
26 56 26 00-0067 EA 24" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	920.13	82.03
26 56 26 00-0068 EA 30" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	929.77	86.85
26 56 26 00-0069 EA 36" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	939.42	91.68
26 56 26 00-0070 EA 42" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	876.38	96.51
26 56 26 00-0071 EA 24" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	920.13	82.03
26 56 26 00-0072 EA 30" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	929.77	86.85
26 56 26 00-0073 EA 36" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	939.42	91.68
26 56 26 00-0074 EA 42" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	876.38	96.51
26 56 26 00-0075 EA 24" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	920.13	82.03
26 56 26 00-0076 EA 30" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	929.77	86.85
26 56 26 00-0077 EA 36" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	939.42	91.68
26 56 26 00-0078 EA 42" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	876.38	96.51
26 56 26 00-0079 Round, Compact Fluorescent, Aluminum Architectural Bollards (26 56 26 00-0065)		
26 56 26 00-0080 EA 24" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	886.86	82.03
26 56 26 00-0081 EA 30" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	896.50	86.85
26 56 26 00-0082 EA 36" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	906.15	91.68
26 56 26 00-0083 EA 42" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	843.75	96.51
26 56 26 00-0084 EA 24" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	886.86	82.03
26 56 26 00-0085 EA 30" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	896.50	86.85
26 56 26 00-0086 EA 36" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	906.15	91.68
26 56 26 00-0087 EA 42" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	843.75	96.51
26 56 26 00-0088 EA 24" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	886.86	82.03
26 56 26 00-0089 EA 30" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	896.50	86.85
26 56 26 00-0090 EA 36" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	906.15	91.68
26 56 26 00-0091 EA 42" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	843.75	96.51
26 56 26 00-0092 LED, Aluminum Architectural Bollards (26 56 26 00-0002)		
26 56 26 00-0093 Square, LED, Aluminum Architectural Bollards (26 56 26 00-0092)		
26 56 26 00-0094 EA 24" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard.....	1,092.83	82.03
26 56 26 00-0095 EA 30" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard.....	1,102.47	86.85
26 56 26 00-0096 EA 36" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard.....	1,112.12	91.68
26 56 26 00-0097 EA 42" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard.....	1,050.00	96.51
26 56 26 00-0098 EA 24" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,324.39	82.03
26 56 26 00-0099 EA 30" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,334.03	86.85
26 56 26 00-0100 EA 36" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,343.68	91.68
26 56 26 00-0101 EA 42" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,280.40	96.51
26 56 26 00-0102 Round, LED, Aluminum Architectural Bollards (26 56 26 00-0092)		
26 56 26 00-0103 EA 24" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard.....	1,058.29	82.03
26 56 26 00-0104 EA 30" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard.....	1,067.93	86.85
26 56 26 00-0105 EA 36" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard.....	1,077.58	91.68
26 56 26 00-0106 EA 42" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard.....	1,014.31	96.51
26 56 26 00-0107 EA 24" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,289.84	82.03
26 56 26 00-0108 EA 30" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,299.48	86.85
26 56 26 00-0109 EA 36" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,309.13	91.68
26 56 26 00-0110 EA 42" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,246.27	96.51
26 56 26 00-0111 Reinforced Concrete Bollards (26 56 26 00-0001)		
26 56 26 00-0112 EA 48" Overall Height, 12" Diameter, LED Light, Reinforced Concrete Bollard.....	1,003.85	241.25
26 56 26 00-0113 EA 58" Overall Height, 18" Diameter, High Intensity Discharge (HID) Light, Reinforced Concrete Bollard.....	1,708.08	321.64
26 56 26 00-0114 Low Voltage (26 56 26)		
26 56 26 00-0115 EA Low Voltage Recessed Uplight.....	574.33	175.64
26 56 26 00-0116 EA Low Voltage Walkway.....	394.11	96.51
26 56 26 00-0117 EA Low Voltage Malibu - 5 Light Set.....	403.93	128.83
26 56 26 00-0118 EA Low Voltage Mushroom 24" Pier.....	342.92	96.51
26 56 26 00-0119 Recessed, Adjustable (26 56 26)		
26 56 26 00-0120 EA 150 Watt Incandescent Recessed, Adjustable.....	648.84	154.41
26 56 26 00-0121 EA 300 Watt Incandescent Recessed, Adjustable.....	703.69	154.41



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26 56 26 00-0122	Recessed, Uplight <small>(26 56 26)</small>		
26 56 26 00-0123	EA 50 Watt Incandescent Recessed Uplight	586.68	154.41
26 56 26 00-0124	EA 150 Watt Incandescent Recessed Uplight	597.65	154.41
26 56 26 00-0125	EA 300 Watt Incandescent Recessed Uplight	630.55	154.41
26 56 26 00-0126	EA 500 Watt Quartz Recessed Uplight	626.90	154.41
26 56 26 00-0127	EA 5 Watt LED Recessed Uplight	731.40	154.41
26 56 26 00-0128	EA 15 Watt LED Recessed Uplight	795.90	154.41
26 56 26 00-0129	Recessed Wall Light <small>(26 56 26)</small>		
26 56 26 00-0130	EA 100 Watt Incandescent Recessed Wall Light	310.01	96.51
26 56 26 00-0131	EA 100 Watt Fluorescent Recessed Wall Light	299.04	96.51
26 56 26 00-0132	EA 100 Watt High Intensity Discharge (HID) Recessed Wall Light	473.41	128.83
26 56 26 00-0133	Step Lights <small>(26 56 26)</small>		
26 56 26 00-0134	EA Incandescent Step Light	253.09	77.20
26 56 26 00-0135	EA Fluorescent Step Light	289.70	77.20
26 56 26 00-0136	EA 5 Watt LED Step Light	397.35	77.20
26 56 26 00-0137	EA 15 Watt LED Step Light	466.15	77.20
26 56 26 00-0138	Tree Lights, Surface Adjustable <small>(26 56 26)</small>		
26 56 26 00-0139	EA 50 Watt Incandescent Tree Lights	520.94	128.83
26 56 26 00-0140	EA 100 Watt Incandescent Tree Lights	531.91	128.83
26 56 26 00-0141	EA 150 Watt Incandescent Tree Lights	678.52	193.00
26 56 26 00-0142	Underwater Lights <small>(26 56 26)</small>		
26 56 26 00-0143	EA 150 Watt, 120 Volt Underwater Lights	409.91	64.17
26 56 26 00-0144	EA 300 Watt, 120 Volt Underwater Lights	453.79	64.17
26 56 26 00-0145	EA 1,000 Watt, 120 Volt Underwater Lights	1,088.85	96.51
26 56 26 00-0146	EA 50 Watt, 12 Volt Underwater Lights	428.20	64.17
26 56 26 00-0147	EA 300 Watt, 12 Volt Underwater Lights	479.39	64.17
26 56 26 00-0148	EA Under Water Fountain Fixture, Set Of 6, 300 Watt, Incandescent	1,221.69	144.75
26 56 33	Walkway Lighting <small>(26 56)</small>		
26 56 33 00-0001	Incandescent Walkway <small>(26 56 33)</small>		
26 56 33 00-0002	EA Post Top 300 Watt Incandescent Walkway Fixture	443.20	89.74
26 56 33 00-0003	Metal Halide Walkway <small>(26 56 33)</small>		
26 56 33 00-0004	EA Post Top 100 Watt Metal Halide Walkway Fixture	678.52	141.08
26 56 33 00-0005	EA Post Top 150-175 Watt Metal Halide Walkway Fixture	723.27	146.20
26 56 33 00-0006	EA Post Top 250 Watt Metal Halide Walkway Fixture	788.72	151.80
26 56 33 00-0007	EA Post Top 400 Watt Metal Halide Walkway Fixture	842.24	164.06
26 56 33 00-0008	EA Round Luminaries 100 Watt Metal Halide Walkway Fixture	742.51	151.80
26 56 33 00-0009	EA Round Luminaries 150-175 Watt Metal Halide Walkway Fixture	767.43	141.08
26 56 33 00-0010	EA Round Luminaries 250 Watt Metal Halide Walkway Fixture	778.75	146.20
26 56 33 00-0011	EA Spherical 100 Watt Metal Halide Walkway Fixture	640.10	100.55
26 56 33 00-0012	EA Spherical 150-175 Watt Metal Halide Walkway Fixture	686.32	100.55
26 56 33 00-0013	EA Spherical 250 Watt Metal Halide Walkway Fixture	732.53	100.55
26 56 33 00-0014	EA Spherical 400 Watt Metal Halide Walkway Fixture	827.34	113.20
26 56 33 00-0015	EA Low Walkway 100 Watt Metal Halide Walkway Fixture	619.77	90.32
26 56 33 00-0016	High Pressure Sodium Walkway <small>(26 56 33)</small>		
26 56 33 00-0017	EA Post Top 100 Watt High Pressure Sodium Walkway Fixture	591.82	141.08
26 56 33 00-0018	EA Post Top 150-175 Watt High Pressure Sodium Walkway Fixture	629.02	146.20
26 56 33 00-0019	EA Post Top 250 Watt High Pressure Sodium Walkway Fixture	682.57	151.80
26 56 33 00-0020	EA Post Top 400 Watt High Pressure Sodium Walkway Fixture	729.80	164.06
26 56 33 00-0021	EA Round Luminaries 100 Watt High Pressure Sodium Walkway Fixture	646.47	151.80
26 56 33 00-0022	EA Round Luminaries 150-175 Watt High Pressure Sodium Walkway Fixture	661.28	141.08
26 56 33 00-0023	EA Round Luminaries 250 Watt High Pressure Sodium Walkway Fixture	672.37	146.20
26 56 33 00-0024	EA Spherical 100 Watt High Pressure Sodium Walkway Fixture	544.06	100.55
26 56 33 00-0025	EA Spherical 175 150-Watt High Pressure Sodium Walkway Fixture	580.17	100.55
26 56 33 00-0026	EA Spherical 250 Watt High Pressure Sodium Walkway Fixture	616.27	100.55
26 56 33 00-0027	EA Spherical 400 Watt High Pressure Sodium Walkway Fixture	695.91	113.20
26 56 33 00-0028	EA Low Walkway 100 Watt High Pressure Sodium Walkway Fixture	352.09	90.32
26 56 33 00-0029	Walkway, Adjustable <small>(26 56 33)</small>		
26 56 33 00-0030	EA 2' Fluorescent Adjustable Walkway Fixture	645.30	128.83
26 56 33 00-0031	EA 4' Fluorescent Adjustable Walkway Fixture	668.11	128.83
26 56 33 00-0032	EA 8' Fluorescent Adjustable Walkway Fixture	1,191.67	193.00



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 33 00-0033 EA 50 Watt Incandescent Adjustable Walkway Fixture	557.83	96.51
26 56 33 00-0034 EA 150 Watt Incandescent Adjustable Walkway Fixture	588.23	96.51
26 56 33 00-0035 LED Walkway (26 56 33)		
26 56 33 00-0036 LED Pathway Fixtures (CREE® BetaLED® Edge® PWY-EDG) (26 56 33 00-0035) Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 33 00-0037 EA 13" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	731.16	74.10
For Multi-Level Drive Currents, Add	192.47	
26 56 33 00-0038 EA 18" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	754.53	74.10
For Multi-Level Drive Currents, Add	192.47	
26 56 33 00-0039 EA 36" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	795.77	74.10
For Multi-Level Drive Currents, Add	192.47	
26 56 33 00-0040 EA 42" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	827.39	74.10
For Multi-Level Drive Currents, Add	192.47	
26 56 33 00-0041 EA 96" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	952.04	95.28
For Multi-Level Drive Currents, Add	192.47	
26 56 33 00-0042 Wall Mounted Walkway Lighting (26 56 33 00-0035)		
26 56 33 00-0043 EA Wall Mounted Lantern With LED Kit, No. PDEX-Bracket (Herwig P-492)	2,548.76	
Note: Type Fixture 17 as Post		
26 56 33 00-0044 Pole Mounted Walkway Lighting (26 56 33 00-0035)		
26 56 33 00-0045 EA 43-1/2" Height x 19" Diameter, LED Post Lantern (Herwig AP-27).....	2,367.27	
26 56 33 00-0046 EA 12" Tapered and Fluted Post (Herwig BRA Series, BRAJ-12)	2,325.76	
Note: Washers and nuts included		
26 56 36 Flood Lighting (26 56)		
26 56 36 00-0001 General Electric Powerflood® Flood Lights (26 56 36)		
26 56 36 00-0002 MPF (Small Size) Series GE Flood Lights (26 56 36 00-0001) Note: For perimeters, entrances, building facades and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. 1/2" threaded mounting knuckle.		
26 56 36 00-0003 High Pressure Sodium MPF Series GE Flood Lights (26 56 36 00-0002)		
26 56 36 00-0004 EA 70 Watt High Pressure Sodium MPF Series GE Flood Light	255.41	79.95
26 56 36 00-0005 EA 100 Watt High Pressure Sodium MPF Series GE Flood Light	257.32	79.95
26 56 36 00-0006 EA 150 Watt High Pressure Sodium MPF Series GE Flood Light	260.50	79.95
26 56 36 00-0007 Metal Halide MPF Series GE Flood Lights (26 56 36 00-0002)		
26 56 36 00-0008 EA 70 Watt Metal Halide MPF Series GE Flood Light	331.17	79.95
26 56 36 00-0009 P-154 (Small Size) Series GE Flood Lights (26 56 36 00-0001) Note: For parking lots, building security, building facades, recreation areas and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0010 High Pressure Sodium P-154 Series GE Flood Lights (26 56 36 00-0009)		
26 56 36 00-0011 EA 70 Watt High Pressure Sodium P-154 Series GE Flood Light	487.59	106.61
26 56 36 00-0012 EA 100 Watt High Pressure Sodium P-154 Series GE Flood Light	490.14	106.61
26 56 36 00-0013 EA 150 Watt High Pressure Sodium P-154 Series GE Flood Light	494.60	106.61
26 56 36 00-0014 EA 250 Watt High Pressure Sodium P-154 Series GE Flood Light	544.89	106.61
26 56 36 00-0015 EA 400 Watt High Pressure Sodium P-154 Series GE Flood Light	559.53	106.61
26 56 36 00-0016 Metal Halide P-154 Series GE Flood Lights (26 56 36 00-0009)		
26 56 36 00-0017 EA 175 Watt Metal Halide P-154 Series GE Flood Light	483.14	106.61
26 56 36 00-0018 EA 250 Watt Metal Halide P-154 Series GE Flood Light	505.42	106.61
26 56 36 00-0019 EA 400 Watt Metal Halide P-154 Series GE Flood Light	516.88	106.61
26 56 36 00-0020 PF-154 (Medium Size) Series GE Flood Lights (26 56 36 00-0001) Note: For parking lots, building security and building facades. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0021 High Pressure Sodium PF-154 Series GE Flood Lights (26 56 36 00-0020)		
26 56 36 00-0022 EA 70 Watt High Pressure Sodium PF-154 Series GE Flood Light	503.42	119.94
26 56 36 00-0023 EA 100 Watt High Pressure Sodium PF-154 Series GE Flood Light	506.61	119.94
26 56 36 00-0024 EA 150 Watt High Pressure Sodium PF-154 Series GE Flood Light	511.70	119.94
26 56 36 00-0025 EA 250 Watt High Pressure Sodium PF-154 Series GE Flood Light	561.35	119.94
26 56 36 00-0026 EA 400 Watt High Pressure Sodium PF-154 Series GE Flood Light	575.36	119.94

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0027 Metal Halide PF-154 GE Flood Lights <small>(26 56 36 00-0020)</small>		
26 56 36 00-0028 EA 175 Watt Metal Halide PF-154 Series GE Flood Light.....	499.60	119.94
26 56 36 00-0029 EA 250 Watt Metal Halide PF-154 Series GE Flood Light.....	521.25	119.94
26 56 36 00-0030 EA 400 Watt Metal Halide PF-154 Series GE Flood Light.....	532.71	119.94
26 56 36 00-0031 PF-400 (Medium Size) Series GE Flood Lights <small>(26 56 36 00-0001)</small>		
Note: For parking lots, building security, building facades, shipping yards and rail yards. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0032 High Pressure Sodium PF-400 Series GE Flood Lights <small>(26 56 36 00-0031)</small>		
26 56 36 00-0033 EA 150 Watt High Pressure Sodium PF-400 Series GE Flood Light.....	653.66	119.94
26 56 36 00-0034 EA 200 Watt High Pressure Sodium PF-400 Series GE Flood Light.....	698.22	119.94
26 56 36 00-0035 EA 250 Watt High Pressure Sodium PF-400 Series GE Flood Light.....	695.04	119.94
26 56 36 00-0036 EA 400 Watt High Pressure Sodium PF-400 Series GE Flood Light.....	710.95	119.94
26 56 36 00-0037 Metal Halide PF-400 GE Flood Lights <small>(26 56 36 00-0031)</small>		
26 56 36 00-0038 EA 175 Watt Metal Halide PF-400 Series GE Flood Light.....	670.21	119.94
26 56 36 00-0039 EA 250 Watt Metal Halide PF-400 Series GE Flood Light.....	683.58	119.94
26 56 36 00-0040 EA 400 Watt Metal Halide PF-400 Series GE Flood Light.....	697.59	119.94
26 56 36 00-0041 PF-1000 (Large Size) Series GE Flood Lights <small>(26 56 36 00-0001)</small>		
Note: For parking lots, industrial yards and sports stadiums. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0042 High Pressure Sodium PF-1000 Series GE Flood Lights <small>(26 56 36 00-0041)</small>		
26 56 36 00-0043 EA 750 Watt High Pressure Sodium PF-1000 Series GE Flood Light.....	870.66	133.26
26 56 36 00-0044 EA 1,000 Watt High Pressure Sodium PF-1000 Series GE Flood Light.....	870.66	133.26
26 56 36 00-0045 Metal Halide PF-1000 Series GE Flood Lights <small>(26 56 36 00-0041)</small>		
26 56 36 00-0046 EA 1,000 Watt Metal Halide PF-1000 Series GE Flood Light.....	833.74	133.26
26 56 36 00-0047 HLU/VLU (Medium Size) FRP Series GE Flood Lights <small>(26 56 36 00-0001)</small>		
Note: For parking lots, industrial yards, construction sites, recreation areas and facades. Includes corrosion resistant reinforced polyester housing and thermal shock resistant lens. Hydroformed aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0048 High Pressure Sodium HLU/VLU FRP Series GE Flood Lights <small>(26 56 36 00-0047)</small>		
26 56 36 00-0049 EA 250 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light.....	714.77	119.94
26 56 36 00-0050 EA 400 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light.....	726.87	119.94
26 56 36 00-0051 Metal Halide HLU/VLU Series GE Flood Lights <small>(26 56 36 00-0047)</small>		
26 56 36 00-0052 EA 400 Watt Metal Halide HLU/VLU FRP Series GE Flood Light.....	721.78	119.94
26 56 36 00-0053 Accessories For Powerflood GE Flood Lights <small>(26 56 36 00-0001)</small>		
26 56 36 00-0054 EA Wireguard For Powerflood GE Flood Light.....	126.52	26.65
26 56 36 00-0055 EA Polycarbonate Vandal Shield For Powerflood GE Flood Light.....	79.41	26.65
26 56 36 00-0056 EA Top Visor For Powerflood Flood Light.....	108.69	26.65
26 56 36 00-0057 EA Top And Two Side Visors For Powerflood GE Flood Light.....	86.41	26.65
26 56 36 00-0058 EA Pipe Wall Mounting Bracket For Powerflood GE Flood Light.....	224.85	79.95
26 56 36 00-0059 EA Multiple Mounting Channel For Powerflood GE Flood Light.....	93.42	26.65
26 56 36 00-0060 EA Wall Or Flat Surface Bracket For Powerflood GE Flood Light.....	177.11	79.95
26 56 36 00-0061 EA Steel Angle Bracket For Powerflood GE Flood Light.....	182.84	79.95
26 56 36 00-0062 EA Cross Arm Adaptor For Powerflood GE Flood Light.....	73.68	26.65
26 56 36 00-0063 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Powerflood GE Flood Light.....	71.77	26.65
26 56 36 00-0064 Lithonia Contour Series Flood Lights <small>(26 56 36)</small>		
26 56 36 00-0065 TFM (Small Size) Series Lithonia Flood Lights <small>(26 56 36 00-0064)</small>		
Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Faceted parabolic optics. 1/2" threaded mounting knuckle.		
26 56 36 00-0066 High Pressure Sodium TFM Series Lithonia Flood Lights <small>(26 56 36 00-0065)</small>		
26 56 36 00-0067 EA 70 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	453.70	106.61
26 56 36 00-0068 EA 100 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	490.46	106.61
26 56 36 00-0069 EA 150 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	526.45	106.61
26 56 36 00-0070 Metal Halide TFM Series Lithonia Flood Lights <small>(26 56 36 00-0065)</small>		
26 56 36 00-0071 EA 50 Watt Metal Halide TFM Series Lithonia Flood Light.....	571.37	106.61
26 56 36 00-0072 EA 70 Watt Metal Halide TFM Series Lithonia Flood Light.....	562.52	106.61
26 56 36 00-0073 EA 100 Watt Metal Halide TFM Series Lithonia Flood Light.....	548.26	106.61



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0074 EA 175 Watt Metal Halide TFM Series Lithonia Flood Light.....	547.21	106.61
26 56 36 00-0075 Compact Fluorescent TFM Series Lithonia Flood Lights (26 56 36 00-0065)		
26 56 36 00-0076 EA 42 Watt Compact Fluorescent TFM Series Lithonia Flood Light.....	567.70	106.61
26 56 36 00-0077 TFL (Medium Size) Series Lithonia Flood Lights (26 56 36 00-0064) Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0078 High Pressure Sodium TFL Series Lithonia Flood Lights (26 56 36 00-0077)		
26 56 36 00-0079 EA 250 Watt High Pressure Sodium TFL Series Lithonia Flood Light.....	671.89	119.94
26 56 36 00-0080 EA 400 Watt High Pressure Sodium TFL Series Lithonia Flood Light.....	684.15	119.94
26 56 36 00-0081 Metal Halide TFL Series Lithonia Flood Lights (26 56 36 00-0077)		
26 56 36 00-0082 EA 175 Watt Metal Halide TFL Series Lithonia Flood Light.....	644.34	119.94
26 56 36 00-0083 EA 250 Watt Metal Halide TFL Series Lithonia Flood Light.....	644.34	119.94
26 56 36 00-0084 EA 400 Watt Metal Halide TFL Series Lithonia Flood Light.....	663.57	119.94
26 56 36 00-0085 TFR (Low Profile) Series Lithonia Flood Lights (26 56 36 00-0064) Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0086 High Pressure Sodium TFR Lithonia Flood Lights (26 56 36 00-0085)		
26 56 36 00-0087 EA 150 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	639.13	106.61
26 56 36 00-0088 EA 250 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	657.48	106.61
26 56 36 00-0089 EA 400 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	672.81	106.61
26 56 36 00-0090 Metal Halide TFR Lithonia Flood Lights (26 56 36 00-0085)		
26 56 36 00-0091 EA 250 Watt Metal Halide TFR Series Lithonia Flood Light	632.99	106.61
26 56 36 00-0092 EA 400 Watt Metal Halide TFR Series Lithonia Flood Light	651.37	106.61
26 56 36 00-0093 TFA (Large Size) Series Lithonia Flood Lights (26 56 36 00-0064) Note: For industrial yards, parking lots, construction sites, streets and recreational areas. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0094 High Pressure Sodium TFA Series Lithonia Flood Lights (26 56 36 00-0093)		
26 56 36 00-0095 EA 1,000 Watt High Pressure Sodium TFA Series Lithonia Flood Light.....	1,200.91	133.26
26 56 36 00-0096 Metal Halide TFA Series Lithonia Flood Lights (26 56 36 00-0093)		
26 56 36 00-0097 EA 400 Watt Metal Halide TFA Series Lithonia Flood Light	940.50	133.26
26 56 36 00-0098 EA 1,000 Watt Metal Halide TFA Series Lithonia Flood Light	1,032.40	133.26
26 56 36 00-0099 Accessories For Contour Series Lithonia Flood Lights (26 56 36 00-0064)		
26 56 36 00-0100 EA Wireguard For Contour Series Lithonia Flood Light.....	111.08	26.65
26 56 36 00-0101 EA Vandal Guard For Contour Series Lithonia Flood Light	201.28	26.65
26 56 36 00-0102 EA Upper Visor For Contour Series Lithonia Flood Light	94.05	26.65
26 56 36 00-0103 EA Full Visor For Contour Series Lithonia Flood Light	121.62	26.65
26 56 36 00-0104 EA Pipe Wall Mounting Bracket For Contour Series Lithonia Flood Light	282.44	79.95
26 56 36 00-0105 EA Radius Wall Bracket For Contour Series Lithonia Flood Light	233.66	79.95
26 56 36 00-0106 EA Steel Angle Bracket For Contour Series Lithonia Flood Light	233.66	79.95
26 56 36 00-0107 EA U Bolt Wall Bracket For Contour Series Lithonia Flood Light, Mounts To 2" Pipe	253.12	79.95
26 56 36 00-0108 EA Crossarm Adapter For Horizontal Mounted Contour Lithonia Series Flood Light	106.89	26.65
26 56 36 00-0109 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Contour Lithonia Series Flood Light	88.20	26.65
26 56 36 00-0110 Eaton Flood Lights (26 56 36)		
26 56 36 00-0111 EA 6" x 6", 128 Watt, 16,932 Lumens, LED Flood Light (Eaton NFFLD-C40-D-UNV-66-T-CB)..... <i>For NEMA Photocontrol Option (Eaton OA/RA1016), Add</i>	680.72 32.99	106.61
26 56 36 00-0112 Ruud Flood Lights (26 56 36)		
26 56 36 00-0113 NS (Micro) Series Ruud Flood Lights (26 56 36 00-0112) Note: Provides conventional floodlighting. 1/2" threaded mounting knuckle.		
26 56 36 00-0114 High Pressure Sodium NS Series Ruud Flood Lights (26 56 36 00-0113)		
26 56 36 00-0115 EA 35 Watt High Pressure Sodium NS Series Ruud Flood Light	303.79	79.95
26 56 36 00-0116 EA 50 Watt High Pressure Sodium NS Series Ruud Flood Light	303.79	79.95
26 56 36 00-0117 EA 70 Watt High Pressure Sodium NS Series Ruud Flood Light	303.79	79.95
26 56 36 00-0118 EA 100 Watt High Pressure Sodium NS Series Ruud Flood Light	303.79	79.95
26 56 36 00-0119 EA 150 Watt High Pressure Sodium NS Series Ruud Flood Light	303.79	79.95

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0120		Metal Halide NS Series Ruud Flood Lights (26 56 36 00-0113)		
26 56 36 00-0121	EA	50 Watt Metal Halide NS Series Ruud Flood Light	339.44	79.95
26 56 36 00-0122	EA	70 Watt Metal Halide NS Series Ruud Flood Light	339.44	79.95
26 56 36 00-0123	EA	100 Watt Metal Halide NS Series Ruud Flood Light	339.44	79.95
26 56 36 00-0124		Compact Fluorescent NS Series Ruud Flood Lights (26 56 36 00-0113)		
26 56 36 00-0125	EA	13 Watt Compact Fluorescent NS Series Ruud Flood Light	266.87	79.95
26 56 36 00-0126	EA	26 Watt Compact Fluorescent NS Series Ruud Flood Light	275.78	79.95
26 56 36 00-0127	EA	32 Watt Compact Fluorescent NS Series Ruud Flood Light	278.33	79.95
26 56 36 00-0128	EA	42 Watt Compact Fluorescent NS Series Ruud Flood Light	280.87	79.95
26 56 36 00-0129		NSF/NSW/NSC (Standard, Wide And Cutoff Micro) Series Ruud Flood Lights (26 56 36 00-0112)		
		Note: The NSF is suited for large open areas and façade applications. The NSW is suited for roadway applications, parking areas or security. The NSC is designed for parking lot and outdoor sports areas. Yoke or slip fitter mounting.		
26 56 36 00-0130		High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Lights (26 56 36 00-0129)		
26 56 36 00-0131	EA	150 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	466.50	119.94
26 56 36 00-0132	EA	250 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	489.42	119.94
26 56 36 00-0133	EA	400 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	502.15	119.94
26 56 36 00-0134		Metal Halide NSF/NSW/NSC Series Ruud Flood Lights (26 56 36 00-0129)		
26 56 36 00-0135	EA	175 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	461.41	119.94
26 56 36 00-0136	EA	250 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	463.95	119.94
26 56 36 00-0137	EA	400 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	471.59	119.94
26 56 36 00-0138		Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Lights (26 56 36 00-0129)		
26 56 36 00-0139	EA	70 Watt Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Light	452.49	119.94
26 56 36 00-0140		FS (Square) Series Ruud Flood Lights (26 56 36 00-0112)		
		Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 56 36 00-0141		High Pressure Sodium FS Series Ruud Flood Lights (26 56 36 00-0140)		
26 56 36 00-0142	EA	250 Watt High Pressure Sodium FS Series Ruud Flood Light	533.98	119.94
26 56 36 00-0143	EA	400 Watt High Pressure Sodium FS Series Ruud Flood Light	536.53	119.94
26 56 36 00-0144	EA	1,000 Watt High Pressure Sodium FS Series Ruud Flood Light	871.30	133.26
26 56 36 00-0145		Metal Halide FS Series Ruud Flood Lights (26 56 36 00-0140)		
26 56 36 00-0146	EA	175 Watt Metal Halide FS Series Ruud Flood Light	533.98	119.94
26 56 36 00-0147	EA	250 Watt Metal Halide FS Series Ruud Flood Light	536.53	119.94
26 56 36 00-0148	EA	400 Watt Metal Halide FS Series Ruud Flood Light	544.16	119.94
26 56 36 00-0149	EA	1,000 Watt Metal Halide FS Series Ruud Flood Light	787.27	133.26
26 56 36 00-0150		MFS (Mini Square) Series Ruud Flood Lights (26 56 36 00-0112)		
		Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 56 36 00-0151		High Pressure Sodium MFS Series Ruud Flood Lights (26 56 36 00-0150)		
26 56 36 00-0152	EA	35 Watt High Pressure Sodium MFS Series Ruud Flood Light	425.84	106.61
26 56 36 00-0153	EA	50 Watt High Pressure Sodium MFS Series Ruud Flood Light	452.58	106.61
26 56 36 00-0154	EA	70 Watt High Pressure Sodium MFS Series Ruud Flood Light	452.58	106.61
26 56 36 00-0155	EA	100 Watt High Pressure Sodium MFS Series Ruud Flood Light	452.58	106.61
26 56 36 00-0156	EA	150 Watt High Pressure Sodium MFS Series Ruud Flood Light	452.58	106.61
26 56 36 00-0157		Metal Halide MFS Series Ruud Flood Lights (26 56 36 00-0150)		
26 56 36 00-0158	EA	50 Watt Metal Halide MFS Series Ruud Flood Light	461.49	106.61
26 56 36 00-0159	EA	70 Watt Metal Halide MFS Series Ruud Flood Light	461.49	106.61
26 56 36 00-0160	EA	100 Watt Metal Halide MFS Series Ruud Flood Light	461.49	106.61
26 56 36 00-0161	EA	175 Watt Metal Halide MFS Series Ruud Flood Light	447.49	106.61
26 56 36 00-0162		MCF/MPM/MPN (Mini Cutoff. Parabolic Medium And Narrow Mini Square) Series Ruud Flood Lights (26 56 36 00-0112)		
		Note: The MCF is suited for parking lots, volleyball courts and tennis courts. The MPM and MPN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 56 36 00-0163		High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Lights (26 56 36 00-0162)		
26 56 36 00-0164	EA	35 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	457.67	106.61
26 56 36 00-0165	EA	50 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	484.41	106.61
26 56 36 00-0166	EA	70 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	484.41	106.61
26 56 36 00-0167	EA	100 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	484.41	106.61



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0168 EA 150 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	484.41	106.61
26 56 36 00-0169 Metal Halide MCF/MPM/MPN Series Ruud Flood Lights <small>(26 56 36 00-0162)</small>		
26 56 36 00-0170 EA 50 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	493.32	106.61
26 56 36 00-0171 EA 70 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	493.32	106.61
26 56 36 00-0172 EA 100 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	493.32	106.61
26 56 36 00-0173 EA 175 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	479.32	106.61
26 56 36 00-0174 CF (Cutoff Square) Series Ruud Flood Lights <small>(26 56 36 00-0112)</small>		
Note: The CF is suited for parking lots, volleyball courts and tennis courts. Yoke or slip fitter mounting.		
26 56 36 00-0175 High Pressure Sodium CF Series Ruud Flood Lights <small>(26 56 36 00-0174)</small>		
26 56 36 00-0176 EA 250 Watt High Pressure Sodium CF Series Ruud Flood Light.....	593.82	119.94
26 56 36 00-0177 EA 400 Watt High Pressure Sodium CF Series Ruud Flood Light.....	606.55	119.94
26 56 36 00-0178 EA 1,000 Watt High Pressure Sodium CF Series Ruud Flood Light.....	903.13	133.26
26 56 36 00-0179 Metal Halide CF Series Ruud Flood Lights <small>(26 56 36 00-0174)</small>		
26 56 36 00-0180 EA 175 Watt Metal Halide CF Series Ruud Flood Light	565.81	119.94
26 56 36 00-0181 EA 250 Watt Metal Halide CF Series Ruud Flood Light	568.36	119.94
26 56 36 00-0182 EA 400 Watt Metal Halide CF Series Ruud Flood Light	575.99	119.94
26 56 36 00-0183 EA 1,000 Watt Metal Halide CF Series Ruud Flood Light	819.10	133.26
26 56 36 00-0184 CN (Narrow Beam Cutoff Square) Series Ruud Flood Lights <small>(26 56 36 00-0112)</small>		
Note: The CN is suited for large sports fields, building facades and signs. Yoke or slip fitter mounting.		
26 56 36 00-0185 High Pressure Sodium CN Series Ruud Flood Lights <small>(26 56 36 00-0184)</small>		
26 56 36 00-0186 EA 400 High Pressure Sodium CN Series Ruud Flood Light	755.44	133.26
26 56 36 00-0187 EA 1,000 High Pressure Sodium CN Series Ruud Flood Light.....	887.85	133.26
26 56 36 00-0188 Metal Halide CN Series Ruud Flood Lights <small>(26 56 36 00-0184)</small>		
26 56 36 00-0189 EA 400 Watt Metal Halide CN Series Ruud Flood Light	724.88	133.26
26 56 36 00-0190 EA 1,000 Watt Metal Halide CN Series Ruud Flood Light.....	803.82	133.26
26 56 36 00-0191 PM/PN (Parabolic Medium And Narrow Square) Series Ruud Flood Lights <small>(26 56 36 00-0112)</small>		
Note: The PM and PN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 56 36 00-0192 High Pressure Sodium PM/PN Series Ruud Flood Lights <small>(26 56 36 00-0191)</small>		
26 56 36 00-0193 EA 250 Watt High Pressure Sodium PM/PN Series Ruud Flood Light.....	611.64	119.94
26 56 36 00-0194 EA 400 Watt High Pressure Sodium PM/PN Series Ruud Flood Light	624.38	119.94
26 56 36 00-0195 Metal Halide PM/PN Series Ruud Flood Lights <small>(26 56 36 00-0191)</small>		
26 56 36 00-0196 EA 175 Watt Metal Halide PM/PN Series Ruud Flood Light.....	583.63	119.94
26 56 36 00-0197 EA 250 Watt Metal Halide PM/PN Series Ruud Flood Light.....	586.18	119.94
26 56 36 00-0198 EA 400 Watt Metal Halide PM/PN Series Ruud Flood Light.....	593.82	119.94
26 56 36 00-0199 EA 1,000 Watt Metal Halide PM/PN Series Ruud Flood Light.....	836.92	133.26
26 56 36 00-0200 Accessories For Ruud Flood Lighting <small>(26 56 36 00-0112)</small>		
26 56 36 00-0201 EA Wireguard For Ruud Flood Light.....	72.41	26.65
26 56 36 00-0202 EA Deep Baffle (Full Visor) For Ruud Flood Light.....	106.78	26.65
26 56 36 00-0203 EA Glare Guard (Upper Visor) For Ruud Flood Light	81.32	26.65
26 56 36 00-0204 EA Vandal Shield For Ruud Flood Light.....	94.05	26.65
26 56 36 00-0205 EA Pipe Mounting Bracket For Ruud Flood Light	203.21	79.95
26 56 36 00-0206 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Ruud Flood Light.....	64.77	26.65
26 56 36 00-0207 Lumark Flood Lights <small>(26 56 36)</small>		
26 56 36 00-0208 QZ Wedge Series Quartz Lumark Flood Lights <small>(26 56 36 00-0207)</small>		
Note: For small outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 56 36 00-0209 EA 500 Watt QZ Wedge Series Quartz Lumark Flood Light.....	185.96	79.95
26 56 36 00-0210 LQL Series Quartz Lumark Flood Lights <small>(26 56 36 00-0207)</small>		
Note: For medium size outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 56 36 00-0211 EA 1,500 Watt LQL Series Quartz Lumark Flood Light	223.52	79.95
26 56 36 00-0212 Kim Lighting <small>(26 56 36)</small>		
26 56 36 00-0213 MicroFlood® Series Kim Lighting Flood Lights <small>(26 56 36 00-0212)</small>		
Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0214		LED MicroFlood® Series Kim Lighting Flood Lights <small>(26 56 36 00-0213)</small>		
26 56 36 00-0215	EA	5 Watt LED MicroFlood® Series Kim Lighting Flood Light.....	318.27	33.82
26 56 36 00-0216	EA	15 Watt LED MicroFlood® Series Kim Lighting Flood Light.....	388.91	33.82
26 56 36 00-0217		Scarab® Series Kim Lighting Flood Lights <small>(26 56 36 00-0212)</small>		
		Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 56 36 00-0218		LED Scarab® Series Kim Lighting Accent Flood Lights <small>(26 56 36 00-0217)</small>		
		Note: Spot or narrow style accent flood lights.		
26 56 36 00-0219	EA	6 Watt LED Scarab® Series Kim Lighting Accent Flood Light.....	475.81	33.82
26 56 36 00-0220		CREE® BetaLED® Flood Lights <small>(26 56 36)</small>		
26 56 36 00-0221		Yoke Mount, Square, LED Flood Lights (CREE® BetaLED® FLD-304) <small>(26 56 36 00-0220)</small>		
		Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0222	EA	40 LEDs, 47 System Watts, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304).....	945.79	96.21
26 56 36 00-0223	EA	60 LEDs, 68 System Watts, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304).....	1,036.21	101.55
26 56 36 00-0224		Adjustable Arm Mount, Rectangular, LED Flood Lights (CREE® BetaLED® Edge® FLD-EDG) <small>(26 56 36 00-0220)</small>		
		Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0225	EA	20 LEDs, 26 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	821.00	90.86
		<i>For 480 Volt, Add</i>	59.38	
26 56 36 00-0226	EA	40 LEDs, 47 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,033.78	96.21
		<i>For 480 Volt, Add</i>	59.38	
26 56 36 00-0227	EA	60 LEDs, 68 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,246.55	101.55
		<i>For 480 Volt, Add</i>	59.38	
26 56 36 00-0228	EA	80 LEDs, 90 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,540.44	106.90
		<i>For 480 Volt, Add</i>	59.38	
26 56 36 00-0229	EA	100 LEDs, 111 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,753.22	112.24
		<i>For 480 Volt, Add</i>	59.38	
26 56 36 00-0230	EA	120 LEDs, 132 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,966.00	117.59
		<i>For 480 Volt, Add</i>	59.38	
26 56 36 00-0231	EA	140 LEDs, 157 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,243.39	122.93
		<i>For 480 Volt, Add</i>	59.38	
26 56 36 00-0232	EA	160 LEDs, 179 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,456.17	128.27
		<i>For 480 Volt, Add</i>	59.38	
26 56 36 00-0233		Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® Edge® FLD-EHO) <small>(26 56 36 00-0220)</small>		
		Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0234	EA	120 LEDs, 267 System Watts, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO).....	1,884.89	117.59
		<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.21	
		<i>For Bird Spikes, Add</i>	37.30	
		<i>For 5,000K Color Temperature, Add</i>	40.54	
		<i>For Fuse, Add</i>	48.64	
		<i>For 0 To 10 Volt Dimming, Add</i>	48.64	
		<i>For 480 Volt, Add</i>	72.97	
		<i>For Multi-Level, Add</i>	105.39	
		<i>For 1,000mA Driver, Add</i>	136.20	
26 56 36 00-0235	EA	240 LEDs, 533 System Watts, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO).....	3,198.19	144.31
		<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.21	
		<i>For 5,000K Color Temperature, Add</i>	40.54	
		<i>For Fuse, Add</i>	48.64	
		<i>For 0 To 10 Volt Dimming, Add</i>	48.64	
		<i>For Bird Spikes, Add</i>	55.30	
		<i>For Multi-Level, Add</i>	105.39	
		<i>For 1,000mA Driver, Add</i>	136.20	
		<i>For 480 Volt, Add</i>	145.92	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0236 Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® OSQ™) <small>(26 56 36 00-0220)</small>		
Note: UL wet listed. Includes 3,000K or 4,000K or 5,700K color temperature, 120/277 voltage, Class 1 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0237 EA 112 System Watts, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-A-XXX-US-UL)	1,103.44	117.59
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.21	
For Front Facing Optics, Back Light Shield, Add	28.78	
For Rotated Optics, Back Light Shield, Add	28.78	
For Field Adjustable Output, Add	24.33	
For Fuse, Add	48.64	
For 0 To 10 Volt Dimming, Add	48.64	
For Multi-Level, Add	105.39	
26 56 36 00-0238 EA 168 System Watts, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-J-XXX-US-UL)	1,180.06	117.59
Note: Type III, IV or V medium optics only.		
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.21	
For Front Facing Optics, Back Light Shield, Add	28.78	
For Rotated Optics, Back Light Shield, Add	28.78	
For Field Adjustable Output, Add	24.33	
For Fuse, Add	48.64	
For 0 To 10 Volt Dimming, Add	48.64	
For Type II Medium Or Type V Short Optics, Add	-67.68	
For Multi-Level, Add	105.39	
26 56 36 00-0239 EA 223 System Watts, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-S-XXX-US-UL)	1,514.42	144.31
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.21	
For Field Adjustable Output, Add	24.33	
For Front Facing Optics, Back Light Shield, Add	34.86	
For Rotated Optics, Back Light Shield, Add	34.86	
For Fuse, Add	48.64	
For 0 To 10 Volt Dimming, Add	48.64	
For Multi-Level, Add	105.39	
26 56 36 00-0240 PlanLED Flood Lights <small>(26 56 36)</small>		
26 56 36 00-0241 Adjustable Arm Mount, LED Flood Lights (PlanLED WAPA) <small>(26 56 36 00-0240)</small>		
26 56 36 00-0242 EA 6,250 Lumens, 50 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP050)	420.76	96.21
26 56 36 00-0243 EA 9,375 Lumens, 75 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP075)	495.84	101.55
26 56 36 00-0244 EA 12,500 Lumens, 100 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP100)	568.09	109.57
26 56 36 00-0245 Adjustable Arm Mount, LED Sports Flood Lights (PlanLED SUFA) <small>(26 56 36 00-0240)</small>		
26 56 36 00-0246 EA 21,000 Lumens, 200 System Watts, LED Sports Flood Light (PlanLED SUFA SF200).....	1,147.73	213.79
For 0 To 10 Volt Dimming, Add	50.17	
26 56 36 00-0247 EA 42,000 Lumens, 400 System Watts, LED Sports Flood Light (PlanLED SUFA SF400).....	1,715.65	213.79
For 0 To 10 Volt Dimming, Add	50.17	
26 56 36 00-0248 EA 84,000 Lumens, 800 System Watts, LED Sports Flood Light (PlanLED SUFA SF800).....	2,938.13	213.79
For 0 To 10 Volt Dimming, Add	50.17	
26 56 36 00-0249 Adjustable Arm Mount, LED High Mast Flood Lights (PlanLED MAHA) <small>(26 56 36 00-0240)</small>		
26 56 36 00-0250 EA 26,000 Lumens, 200 System Watts, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA200).....	988.71	138.96
For 0 To 10 Volt Dimming, Add	50.17	
For 480 Volt, Add	-19.86	
26 56 36 00-0251 EA 39,000 Lumens, 300 System Watts, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA300).....	1,247.64	144.31
For 0 To 10 Volt Dimming, Add	50.17	
For 480 Volt, Add	60.51	
26 56 36 00-0252 EA 52,000 Lumens, 400 System Watts, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA400).....	1,573.31	149.65
For 0 To 10 Volt Dimming, Add	50.17	
For 480 Volt, Add	48.60	
26 56 39 Hazardous Location Flood Lights <small>(26 56)</small>		
Note: For general to heavy industrial applications in marine and corrosive environments. Class 1 Division 2.		
26 56 39 00-0001 Lithonia Hazardous Location Flood Lights <small>(26 56 39)</small>		
26 56 39 00-0002 HFR (Horizontally Oriented Mogul Base) Series Hazardous Location Flood Lights <small>(26 56 39 00-0001)</small>		
Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 56 39 00-0003 High Pressure Sodium HFR Series Hazardous Location Flood Lights <small>(26 56 39 00-0002)</small>		
26 56 39 00-0004 EA 150 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	633.77	106.61
26 56 39 00-0005 EA 250 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	673.24	106.61
26 56 39 00-0006 EA 400 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	635.04	106.61

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 39 00-0007 Metal Halide HFR Series Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0002)</small>		
26 56 39 00-0008 EA 250 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	669.03	106.61
26 56 39 00-0009 EA 400 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	650.32	106.61
26 56 39 00-0010 HFM (Medium Base) Series Hazardous Location Flood Lights <small>(26 56 39 00-0001)</small> Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 56 39 00-0011 High Pressure Sodium HFM Series Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0010)</small>		
26 56 39 00-0012 EA 100 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	606.64	106.61
26 56 39 00-0013 EA 150 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	630.19	106.61
26 56 39 00-0014 Metal Halide HFM Series Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0010)</small>		
26 56 39 00-0015 EA 175 Watt Metal Halide HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	542.98	106.61
26 56 39 00-0016 HFA (Large) Series Hazardous Location Flood Lights <small>(26 56 39 00-0001)</small> Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 56 39 00-0017 High Pressure Sodium HFA Series Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0016)</small>		
26 56 39 00-0018 EA 250 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	848.38	133.26
26 56 39 00-0019 EA 400 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	859.84	133.26
26 56 39 00-0020 Metal Halide HFA Series Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0016)</small>		
26 56 39 00-0021 EA 250 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	844.56	133.26
26 56 39 00-0022 EA 400 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	859.84	133.26
26 56 39 00-0023 HFL (Medium) Series Hazardous Location Flood Lights <small>(26 56 39 00-0001)</small> Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 56 39 00-0024 High Pressure Sodium HFL Series Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0023)</small>		
26 56 39 00-0025 EA 400 Watt High Pressure Sodium HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	640.93	119.94
26 56 39 00-0026 Metal Halide HFL Series Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0023)</small>		
26 56 39 00-0027 EA 400 Watt Metal Halide HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	685.49	119.94
26 56 39 00-0028 Accessories For Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0001)</small> See CSI section 26 56 36 00-0099 for accessories.		
26 56 43 High Performance Flood Lights <small>(26 56)</small> Note: For airport aprons and parking areas.		
26 56 43 00-0001 Lithonia High Performance Flood Lights <small>(26 56 43)</small>		
26 56 43 00-0002 170S Series Lithonia High Performance Flood Lights <small>(26 56 43 00-0001)</small> Note: Die-cast aluminum housing welded seams, stainless steel hardware, corrosion resistant polyester powder finish, and thermal and shock resistant flat lens.		
26 56 43 00-0003 High Pressure Sodium 170S Series Lithonia High Performance Flood Lights <small>(26 56 43 00-0002)</small>		
26 56 43 00-0004 EA 250 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,426.25	159.92
26 56 43 00-0005 EA 400 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,530.65	159.92
26 56 43 00-0006 EA 750 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,535.75	159.92
26 56 43 00-0007 EA 1,000 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,694.90	159.92
26 56 43 00-0008 Metal Halide 170S Series Lithonia High Performance Flood Lights <small>(26 56 43 00-0002)</small>		
26 56 43 00-0009 EA 320 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,628.69	159.92
26 56 43 00-0010 EA 350 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,558.09	159.92
26 56 43 00-0011 EA 400 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,491.18	159.92
26 56 43 00-0012 EA 1,000 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,557.39	159.92
26 56 43 00-0013 Accessories For Lithonia High Performance Flood Lights <small>(26 56 43 00-0002)</small> See CSI section 26 56 36 00-0099 for accessories.		



	Electrical	26	26
	Lighting	26 50	
	Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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END OF SECTION 26

26	26	Electrical
	26 50	Lighting
	26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 Communications

Note: Termination costs are included with all communication equipment, panel boards, and devices. Terminations are not included with patch panels.

27 05 Common Work Results for Communications ⁽²⁷⁾

27 05 26 Grounding and Bonding for Communications Systems ^(27 05)

27 05 26 00-0001	EA	2" x 1/4" x 12", TGB Pattern, Grounding Bus Bar	178.80	26.10
27 05 26 00-0002	EA	4" x 1/4" x 12", TMGB Pattern, Grounding Bus Bar	211.42	26.10
27 05 26 00-0003	EA	#6 AWG, Cable Runway Ground Strap	44.75	4.84
27 05 26 00-0004	EA	1/4" Screw Size, #6 AWG Compression Lug	17.46	4.84
27 05 26 00-0005	EA	3/8" Screw Size, #6 AWG Compression Lug	18.42	4.84
27 05 26 00-0006	EA	Two Mounting Hole, Ground Terminal Block	20.20	4.84
27 05 26 00-0007	EA	25 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 720-00).....	642.27	98.77
		Note: Excludes terminations.		
27 05 26 00-0008	EA	50 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 820-00).....	830.48	131.72
		Note: Excludes terminations.		
27 05 26 00-0009	EA	100 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 630-00).....	1,304.13	197.53
		Note: Excludes terminations.		
27 05 26 00-0010	EA	Lucent 3B1-EW, Gas Tube Protector Unit	7.79	1.44

27 05 29 Hangers And Supports For Communications Systems ^(27 05)

See CSI section 26 05 29 00-0000 for hangers and supports.

27 05 29 00-0001 Communications And Low Voltage Cable Hooks (J-Hooks) ^(27 05 29)

27 05 29 00-0002 Screw On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) ^(27 05 29 00-0001)

Note: Includes screw.

27 05 29 00-0003	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12).....	6.78	2.42
		<i>For >50 To 100, Deduct</i>	-0.29	
		<i>For >100 To 250, Deduct</i>	-0.58	
		<i>For >250 To 500, Deduct</i>	-1.11	
		<i>For >500, Deduct</i>	-1.65	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.31	
		<i>For Work In Restricted Working Space, Add</i>	1.45	
		<i>For Painted Powder Coated Finish, Add</i>	0.39	
27 05 29 00-0004	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21).....	7.08	2.42
		<i>For >50 To 100, Deduct</i>	-0.30	
		<i>For >100 To 250, Deduct</i>	-0.60	
		<i>For >250 To 500, Deduct</i>	-1.14	
		<i>For >500, Deduct</i>	-1.68	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.31	
		<i>For Work In Restricted Working Space, Add</i>	1.45	
		<i>For Painted Powder Coated Finish, Add</i>	1.38	
		<i>For Low Friction Xylan® Coated Finish, Add</i>	4.92	
27 05 29 00-0005	EA	2" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32).....	7.55	2.42
		<i>For >50 To 100, Deduct</i>	-0.31	
		<i>For >100 To 250, Deduct</i>	-0.62	
		<i>For >250 To 500, Deduct</i>	-1.17	
		<i>For >500, Deduct</i>	-1.72	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.31	
		<i>For Work In Restricted Working Space, Add</i>	1.45	
		<i>For Painted Powder Coated Finish, Add</i>	1.70	
		<i>For Low Friction Xylan® Coated Finish, Add</i>	6.12	
27 05 29 00-0006	EA	4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64).....	11.57	2.42
		<i>For >50 To 100, Deduct</i>	-0.41	
		<i>For >100 To 250, Deduct</i>	-0.82	
		<i>For >250 To 500, Deduct</i>	-1.47	
		<i>For >500, Deduct</i>	-2.13	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.31	
		<i>For Work In Restricted Working Space, Add</i>	1.45	
		<i>For Painted Powder Coated Finish, Add</i>	0.91	
		<i>For Low Friction Xylan® Coated Finish, Add</i>	5.42	

27 05 29 00-0007 Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) ^(27 05 29 00-0001)

Note: Includes screw.

27 05 29 00-0008	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-RB)	7.49	2.42
		<i>For >50 To 100, Deduct</i>	-0.31	
		<i>For >100 To 250, Deduct</i>	-0.62	
		<i>For >250 To 500, Deduct</i>	-1.17	
		<i>For >500, Deduct</i>	-1.72	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.31	
		<i>For Work In Restricted Working Space, Add</i>	1.45	

27 Communications**27 05 Common Work Results for Communications****27 05 29 Hangers And Supports For Communications Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0009	EA		1-5/16" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-RB)	9.30	2.42
			<i>For >50 To 100, Deduct</i>	-0.35	
			<i>For >100 To 250, Deduct</i>	-0.71	
			<i>For >250 To 500, Deduct</i>	-1.30	
			<i>For >500, Deduct</i>	-1.90	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.31	
			<i>For Work In Restricted Working Space, Add</i>	1.45	
27 05 29 00-0010	EA		2" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-RB)	10.18	2.42
			<i>For >50 To 100, Deduct</i>	-0.38	
			<i>For >100 To 250, Deduct</i>	-0.75	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.99	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.31	
			<i>For Work In Restricted Working Space, Add</i>	1.45	
27 05 29 00-0011	EA		4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-RB)	13.34	2.42
			<i>For >50 To 100, Deduct</i>	-0.45	
			<i>For >100 To 250, Deduct</i>	-0.91	
			<i>For >250 To 500, Deduct</i>	-1.61	
			<i>For >500, Deduct</i>	-2.30	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.31	
			<i>For Work In Restricted Working Space, Add</i>	1.45	
27 05 29 00-0012			Strut Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <small>(27 05 29 00-0001)</small>		
			Note: Excludes strut.		
27 05 29 00-0013	EA		3/4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-SC4)	7.82	2.42
			<i>For >50 To 100, Deduct</i>	-0.32	
			<i>For >100 To 250, Deduct</i>	-0.63	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.75	
			<i>For Work In Restricted Working Space, Add</i>	1.45	
27 05 29 00-0014	EA		1-5/16" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-SC4)	9.03	2.42
			<i>For >50 To 100, Deduct</i>	-0.35	
			<i>For >100 To 250, Deduct</i>	-0.69	
			<i>For >250 To 500, Deduct</i>	-1.28	
			<i>For >500, Deduct</i>	-1.87	
			<i>For Work In Restricted Working Space, Add</i>	1.45	
27 05 29 00-0015	EA		2" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-SC4)	9.66	2.42
			<i>For >50 To 100, Deduct</i>	-0.36	
			<i>For >100 To 250, Deduct</i>	-0.73	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500, Deduct</i>	-1.93	
			<i>For Work In Restricted Working Space, Add</i>	1.45	
27 05 29 00-0016	EA		4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-SC4)	12.64	2.42
			<i>For >50 To 100, Deduct</i>	-0.44	
			<i>For >100 To 250, Deduct</i>	-0.87	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-2.23	
			<i>For Work In Restricted Working Space, Add</i>	1.45	
27 05 29 00-0017			T-Bar Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <small>(27 05 29 00-0001)</small>		
			Note: Excludes T-Bar.		
27 05 29 00-0018	EA		3/4" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-A28)	9.15	2.42
			<i>For >50 To 100, Deduct</i>	-0.35	
			<i>For >100 To 250, Deduct</i>	-0.70	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.88	
			<i>For Work In Restricted Working Space, Add</i>	1.45	
27 05 29 00-0019	EA		1-5/16" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-A28)	11.19	2.42
			<i>For >50 To 100, Deduct</i>	-0.40	
			<i>For >100 To 250, Deduct</i>	-0.80	
			<i>For >250 To 500, Deduct</i>	-1.44	
			<i>For >500, Deduct</i>	-2.09	
			<i>For Work In Restricted Working Space, Add</i>	1.45	
27 05 29 00-0020	EA		2" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-A28)	11.73	2.42
			<i>For >50 To 100, Deduct</i>	-0.41	
			<i>For >100 To 250, Deduct</i>	-0.83	
			<i>For >250 To 500, Deduct</i>	-1.48	
			<i>For >500, Deduct</i>	-2.14	
			<i>For Work In Restricted Working Space, Add</i>	1.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0021 Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <small>(27 05 29 00-0001)</small>		
Note: Excludes threaded rod. See CSI section 26 05 29 00-0372 for threaded rod.		
27 05 29 00-0022 EA 3/4" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-W6).....	7.66	2.42
For >50 To 100, Deduct	-0.31	
For >100 To 250, Deduct	-0.63	
For >250 To 500, Deduct	-1.18	
For >500, Deduct	-1.73	
For Work In Restricted Working Space, Add	1.45	
27 05 29 00-0023 EA 1-5/16" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-W6).....	7.94	2.42
For >50 To 100, Deduct	-0.32	
For >100 To 250, Deduct	-0.64	
For >250 To 500, Deduct	-1.20	
For >500, Deduct	-1.76	
For Work In Restricted Working Space, Add	1.45	
27 05 29 00-0024 EA 2" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-W6).....	9.36	2.42
For >50 To 100, Deduct	-0.36	
For >100 To 250, Deduct	-0.71	
For >250 To 500, Deduct	-1.31	
For >500, Deduct	-1.90	
For Work In Restricted Working Space, Add	1.45	
27 05 29 00-0025 Threaded Rod Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <small>(27 05 29 00-0001)</small>		
Note: Excludes threaded rod, nuts and washers. See CSI section 26 05 29 00-0372 for threaded rod, nuts and washers.		
27 05 29 00-0026 EA 1-5/16" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-AB).....	9.19	2.42
For >50 To 100, Deduct	-0.35	
For >100 To 250, Deduct	-0.70	
For >250 To 500, Deduct	-1.29	
For >500, Deduct	-1.89	
For Work In Restricted Working Space, Add	1.45	
27 05 29 00-0027 EA 2" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-AB).....	9.86	2.42
For >50 To 100, Deduct	-0.37	
For >100 To 250, Deduct	-0.74	
For >250 To 500, Deduct	-1.34	
For >500, Deduct	-1.95	
For Work In Restricted Working Space, Add	1.45	
27 05 29 00-0028 EA 4" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-AB).....	13.15	2.42
For >50 To 100, Deduct	-0.45	
For >100 To 250, Deduct	-0.90	
For >250 To 500, Deduct	-1.59	
For >500, Deduct	-2.28	
For Work In Restricted Working Space, Add	1.45	
27 05 29 00-0029 Beam Clamp Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <small>(27 05 29 00-0001)</small>		
27 05 29 00-0030 EA 3/4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-C442A).....	9.10	2.42
For >50 To 100, Deduct	-0.35	
For >100 To 250, Deduct	-0.70	
For >250 To 500, Deduct	-1.29	
For >500, Deduct	-1.88	
For Work In Restricted Working Space, Add	1.45	
27 05 29 00-0031 EA 1-5/16" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-C442A).....	10.29	2.42
For >50 To 100, Deduct	-0.38	
For >100 To 250, Deduct	-0.76	
For >250 To 500, Deduct	-1.38	
For >500, Deduct	-2.00	
For Work In Restricted Working Space, Add	1.45	
27 05 29 00-0032 EA 2" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-C442A).....	10.91	2.42
For >50 To 100, Deduct	-0.39	
For >100 To 250, Deduct	-0.79	
For >250 To 500, Deduct	-1.42	
For >500, Deduct	-2.06	
For Work In Restricted Working Space, Add	1.45	
27 05 29 00-0033 EA 4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-C442A).....	14.35	2.42
For >50 To 100, Deduct	-0.48	
For >100 To 250, Deduct	-0.96	
For >250 To 500, Deduct	-1.68	
For >500, Deduct	-2.40	
For Work In Restricted Working Space, Add	1.45	

27 Communications**27 05 Common Work Results for Communications****27 05 29 Hangers And Supports For Communications Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0034			Adjustable Cable Supports (Caddy® CableCat CAT425) ^(27 05 29)		
27 05 29 00-0035	EA		Wall Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	24.79	3.19
			<i>For >50 To 100, Deduct</i>	-0.86	
			<i>For >100 To 250, Deduct</i>	-1.72	
			<i>For >250 To 500, Deduct</i>	-3.07	
			<i>For >500, Deduct</i>	-4.41	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	2.51	
			<i>For Work In Restricted Working Space, Add</i>	2.90	
27 05 29 00-0036	EA		Threaded Rod Or Horizontal Surface Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	25.23	3.19
			<i>For >50 To 100, Deduct</i>	-0.87	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-3.10	
			<i>For >500, Deduct</i>	-4.45	
			<i>For Work In Restricted Working Space, Add</i>	2.90	
27 05 29 00-0037	EA		Up To 1/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	27.53	3.19
			<i>For >50 To 100, Deduct</i>	-0.93	
			<i>For >100 To 250, Deduct</i>	-1.86	
			<i>For >250 To 500, Deduct</i>	-3.27	
			<i>For >500, Deduct</i>	-4.68	
			<i>For Work In Restricted Working Space, Add</i>	2.90	
27 05 29 00-0038	EA		>1/4" To 3/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	24.71	3.19
			<i>For >50 To 100, Deduct</i>	-0.86	
			<i>For >100 To 250, Deduct</i>	-1.72	
			<i>For >250 To 500, Deduct</i>	-3.06	
			<i>For >500, Deduct</i>	-4.40	
			<i>For Work In Restricted Working Space, Add</i>	2.90	
27 05 29 00-0039	EA		Up To 1/2" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	25.78	3.19
			<i>For >50 To 100, Deduct</i>	-0.89	
			<i>For >100 To 250, Deduct</i>	-1.77	
			<i>For >250 To 500, Deduct</i>	-3.14	
			<i>For >500, Deduct</i>	-4.51	
			<i>For Work In Restricted Working Space, Add</i>	2.90	
27 05 29 00-0040	EA		>1/2" To 5/8" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	26.84	3.19
			<i>For >50 To 100, Deduct</i>	-0.91	
			<i>For >100 To 250, Deduct</i>	-1.82	
			<i>For >250 To 500, Deduct</i>	-3.22	
			<i>For >500, Deduct</i>	-4.61	
			<i>For Work In Restricted Working Space, Add</i>	2.90	
27 05 29 00-0041	EA		Up To 1/4" Flange, Hammer On Purlin Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	25.42	3.19
			<i>For >50 To 100, Deduct</i>	-0.88	
			<i>For >100 To 250, Deduct</i>	-1.75	
			<i>For >250 To 500, Deduct</i>	-3.11	
			<i>For >500, Deduct</i>	-4.47	
			<i>For Work In Restricted Working Space, Add</i>	2.90	
27 05 33			Conduits And Backboxes For Communications Systems ^(27 05)		
			See CSI section 26 05 33 00-0000 for conduit and boxes.		
27 05 36			Cable Trays For Communications Systems ^(27 05)		
			See CSI section 26 05 36 00-0000 for cable trays.		
27 05 39			Surface Raceways For Communications Systems ^(27 05)		
			See CSI section 26 05 33 00-0000 for surface raceways.		
27 05 43			Underground Ducts And Raceways For Communications Systems ^(27 05)		
			See CSI section 26 05 43 00-0000 for underground ducts and raceways.		
27 05 46			Utility Poles For Communications Systems ^(27 05)		
			See CSI section 26 05 46 00-0000 for utility poles.		
27 05 53			Identification For Communications Systems ^(27 05)		
			See CSI section 26 05 53 00-0000 for identification.		
27 10			Structured Cabling ⁽²⁷⁾		
			Note: Includes testing.		
27 11			Communications Equipment Room Fittings ^(27 10)		
27 11 16			Communications Cabinets, Racks, Frames, And Enclosures ^(27 11)		
27 11 16 00-0001			3/4" Fire Retardant Plywood Backboards ^(27 11 16)		
27 11 16 00-0002	EA		4' x 4' x 3/4" Fire Retardant Plywood Phone Backboard.....	68.33	25.09
			<i>For Two Coats Of Non-Conductive, Fire Retardant Paint, Add</i>	45.28	
27 11 16 00-0003	EA		4' x 8' x 3/4" Fire Retardant Plywood Phone Backboard.....	136.66	50.18
			<i>For Two Coats Of Non-Conductive, Fire Retardant Paint, Add</i>	90.55	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0004			Terminal Cabinets <small>(27 11 16)</small>		
27 11 16 00-0005	EA		12" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	257.00	72.38
27 11 16 00-0006	EA		18" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	319.59	79.61
27 11 16 00-0007	EA		24" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	367.77	91.68
27 11 16 00-0008	EA		18" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	381.42	94.09
27 11 16 00-0009	EA		24" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	458.43	96.51
27 11 16 00-0010	EA		26" x 36" x 4" Phone Terminal Cabinet With Wood Backboard	562.85	108.57
27 11 16 00-0011	EA		24" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	574.05	106.15
27 11 16 00-0012	EA		30" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	743.64	151.22
27 11 16 00-0013	EA		36" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	797.43	166.18
27 11 16 00-0014	EA		42" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	952.57	175.54
27 11 16 00-0015	EA		30" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	786.64	144.75
27 11 16 00-0016	EA		36" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	850.84	156.81
27 11 16 00-0017	EA		48" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,063.15	201.02
27 11 16 00-0018	EA		54" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,280.87	251.29
27 11 16 00-0019	EA		48" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	1,436.80	248.49
27 11 16 00-0020	EA		60" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	1,657.57	302.34
27 11 16 00-0021			Equipment Racks And Cable Managers <small>(27 11 16)</small>		
27 11 16 00-0022			Equipment Racks <small>(27 11 16 00-0021)</small> Note: Electronics Industries Association EIA-310-D compliant. Includes aluminum construction with clear grained aluminum or black epoxy-polyester hybrid powder coat finish.		
27 11 16 00-0023			Standard Equipment Racks <small>(27 11 16 00-0022)</small>		
27 11 16 00-0024			19" Width, Standard Equipment Racks <small>(27 11 16 00-0023)</small>		
27 11 16 00-0025	EA		84" Height, 19" Width, 3" Depth, 45U, Standard Equipment Rack (Chatsworth 55053-X03)	475.68	154.41
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	8.34	
27 11 16 00-0026	EA		96" Height, 19" Width, 3" Depth, 51U, Standard Equipment Rack (Chatsworth 55053-X15)	657.43	164.06
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	16.47	
27 11 16 00-0027	EA		108" Height, 19" Width, 3" Depth, 58U, Standard Equipment Rack (Chatsworth 55053-X08)	709.99	173.70
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	18.13	
27 11 16 00-0028			Universal Equipment Racks <small>(27 11 16 00-0022)</small>		
27 11 16 00-0029			Universal Equipment Racks <small>(27 11 16 00-0028)</small>		
27 11 16 00-0030			19" Width, EIA Universal Equipment Racks <small>(27 11 16 00-0029)</small>		
27 11 16 00-0031	EA		36" Height, 19" Width, 3" Depth, 17U, EIA Universal Equipment Rack (Chatsworth 46353-X31)	615.31	135.10
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	17.26	
27 11 16 00-0032	EA		48" Height, 19" Width, 3" Depth, 24U, EIA Universal Equipment Rack (Chatsworth 46353-X20)	671.84	137.51
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	19.84	
27 11 16 00-0033	EA		60" Height, 19" Width, 3" Depth, 31U, EIA Universal Equipment Rack (Chatsworth 46353-X19)	671.11	139.93
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	19.56	
27 11 16 00-0034	EA		66" Height, 19" Width, 3" Depth, 34U, EIA Universal Equipment Rack (Chatsworth 46353-X00)	688.28	142.34
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	20.18	
27 11 16 00-0035	EA		72" Height, 19" Width, 3" Depth, 38U, EIA Universal Equipment Rack (Chatsworth 46353-X01)	705.27	144.75
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	20.79	
27 11 16 00-0036	EA		78" Height, 19" Width, 3" Depth, 41U, EIA Universal Equipment Rack (Chatsworth 46353-X02)	723.65	147.16
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	21.47	
27 11 16 00-0037	EA		84" Height, 19" Width, 3" Depth, 45U, EIA Universal Equipment Rack (Chatsworth 46353-X03)	617.87	149.58
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	15.94	
27 11 16 00-0038	EA		90" Height, 19" Width, 3" Depth, 48U, EIA Universal Equipment Rack (Chatsworth 46353-X05)	759.37	151.99
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	22.77	
27 11 16 00-0039	EA		96" Height, 19" Width, 3" Depth, 51U, EIA Universal Equipment Rack (Chatsworth 46353-X15)	786.09	154.41
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	23.86	
27 11 16 00-0040	EA		102" Height, 19" Width, 3" Depth, 55U, EIA Universal Equipment Rack (Chatsworth 46353-X17)	809.44	156.81
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	24.79	
27 11 16 00-0041	EA		108" Height, 19" Width, 3" Depth, 58U, EIA Universal Equipment Rack (Chatsworth 46353-X08)	815.20	159.23
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	24.84	
27 11 16 00-0042			23" Width, Universal Equipment Racks <small>(27 11 16 00-0029)</small>		
27 11 16 00-0043	EA		36" Height, 23" Width, 3" Depth, 17U, Universal Equipment Rack (Chatsworth 46383-X31)	650.73	135.10
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	19.03	
27 11 16 00-0044	EA		48" Height, 23" Width, 3" Depth, 24U, Universal Equipment Rack (Chatsworth 46383-X20)	673.15	137.51
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	19.91	
27 11 16 00-0045	EA		60" Height, 23" Width, 3" Depth, 31U, Universal Equipment Rack (Chatsworth 46383-X19)	692.91	139.93
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	20.65	
27 11 16 00-0046	EA		66" Height, 23" Width, 3" Depth, 34U, Universal Equipment Rack (Chatsworth 46383-X00)	729.75	142.34
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	22.25	
27 11 16 00-0047	EA		72" Height, 23" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46383-X01)	747.97	144.75
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	22.92	
27 11 16 00-0048	EA		78" Height, 23" Width, 3" Depth, 41U, Universal Equipment Rack (Chatsworth 46383-X02)	767.76	147.16
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	23.67	
27 11 16 00-0049	EA		84" Height, 23" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46383-X03)	662.49	149.58
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	18.17	
27 11 16 00-0050	EA		90" Height, 23" Width, 3" Depth, 48U, Universal Equipment Rack (Chatsworth 46383-X05)	806.19	151.99
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	25.11	

27 Communications**27 10 Structured Cabling****27 11 Communications Equipment Room Fittings**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
27 11 16 00-0051	EA	96" Height, 23" Width, 3" Depth, 51U, Universal Equipment Rack (Chatsworth 46383-X15).....	835.12		154.41
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	26.32		
27 11 16 00-0052	EA	102" Height, 23" Width, 3" Depth, 55U, Universal Equipment Rack (Chatsworth 46383-X17).....	860.41		156.81
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	27.34		
27 11 16 00-0053	EA	108" Height, 23" Width, 3" Depth, 58U, Universal Equipment Rack (Chatsworth 46383-X08).....	866.25		159.23
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	27.39		
27 11 16 00-0054		35" Width, Universal Equipment Racks (27 11 16 00-0029)			
27 11 16 00-0055	EA	72" Height, 35" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46363-X01).....	808.00		144.75
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	25.92		
27 11 16 00-0056	EA	84" Height, 35" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46363-X03).....	850.73		149.58
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	27.58		
27 11 16 00-0057		UL Listed Universal Equipment Racks (27 11 16 00-0028)			
		Note: UL listed as a communications circuit accessory.			
27 11 16 00-0058		19" Width, UL Listed Universal Equipment Racks (27 11 16 00-0057)			
27 11 16 00-0059	EA	36" Height, 19" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48353-X31)	649.83		135.10
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	18.98		
27 11 16 00-0060	EA	48" Height, 19" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48353-X20)	702.05		137.51
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	21.35		
27 11 16 00-0061	EA	60" Height, 19" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48353-X19)	712.82		139.93
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	21.65		
27 11 16 00-0062	EA	66" Height, 19" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48353-X00)	728.67		142.34
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	22.20		
27 11 16 00-0063	EA	72" Height, 19" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48353-X01)	746.83		144.75
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	22.87		
27 11 16 00-0064	EA	78" Height, 19" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48353-X02)	766.57		147.16
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	23.61		
27 11 16 00-0065	EA	84" Height, 19" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48353-X03)	785.55		149.58
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	24.32		
27 11 16 00-0066	EA	90" Height, 19" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48353-X05)	804.94		151.99
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	25.05		
27 11 16 00-0067	EA	96" Height, 19" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48353-X15)	833.84		154.41
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	26.25		
27 11 16 00-0068	EA	102" Height, 19" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48353-X17)	859.06		156.81
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	27.27		
27 11 16 00-0069	EA	108" Height, 19" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48353-X08)	864.84		159.23
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	27.32		
27 11 16 00-0070		23" Width, UL Listed Universal Equipment Racks (27 11 16 00-0057)			
27 11 16 00-0071	EA	36" Height, 23" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48383-X31)	688.82		135.10
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	20.93		
27 11 16 00-0072	EA	48" Height, 23" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48383-X20)	754.92		137.51
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	23.99		
27 11 16 00-0073	EA	60" Height, 23" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48383-X19)	764.58		139.93
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	24.24		
27 11 16 00-0074	EA	66" Height, 23" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48383-X00)	774.25		142.34
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	24.48		
27 11 16 00-0075	EA	72" Height, 23" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48383-X01)	793.80		144.75
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	25.21		
27 11 16 00-0076	EA	78" Height, 23" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48383-X02)	815.11		147.16
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	26.04		
27 11 16 00-0077	EA	84" Height, 23" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48383-X03)	835.51		149.58
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	26.82		
27 11 16 00-0078	EA	90" Height, 23" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48383-X05)	856.40		151.99
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	27.62		
27 11 16 00-0079	EA	96" Height, 23" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48383-X15)	887.74		154.41
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	28.95		
27 11 16 00-0080	EA	102" Height, 23" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48383-X17)	915.10		156.81
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	30.07		
27 11 16 00-0081	EA	108" Height, 23" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48383-X08)	921.11		159.23
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	30.13		
27 11 16 00-0082		4-Post Equipment Racks And Server Frames (27 11 16 00-0022)			
27 11 16 00-0083		4-Post Equipment Racks (27 11 16 00-0082)			
27 11 16 00-0084	EA	19" Width, 29" Depth, 84" Height, 4-Post Equipment Rack (Chatsworth 50120-X03).....	1,311.86		241.25
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	41.47		
27 11 16 00-0085	EA	19" Width, 29" Depth, 96" Height, 4-Post Equipment Rack (Chatsworth 50120-X15).....	1,431.81		250.90
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	46.50		
27 11 16 00-0086	EA	19" Width, 29" Depth, 108" Height, 4-Post Equipment Rack (Chatsworth 50120-X08).....	1,544.99		260.55
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	51.19		
27 11 16 00-0087		4-Post Server Frame (27 11 16 00-0082)			
27 11 16 00-0088	EA	19" Width, 29" Depth, 84" Height, Server Frame (Chatsworth 15053-X03)	1,348.34		241.25
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	43.29		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 11 16 00-0089	Cable Managers (27 11 16 00-0021)	
27 11 16 00-0090	Horizontal Cable Managers (27 11 16 00-0089)	
27 11 16 00-0091	Single-Sided, Horizontal Cable Managers (27 11 16 00-0090)	
27 11 16 00-0092	EA 1U Height, 19" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-719)	75.74 9.65
27 11 16 00-0093	EA 1U Height, 23" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-723)	84.30 9.65
27 11 16 00-0094	EA 1U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-701)	63.29 9.65
27 11 16 00-0095	EA 2U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-719)	77.03 9.65
27 11 16 00-0096	EA 2U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-723)	90.29 9.65
27 11 16 00-0097	EA 2U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-702)	70.06 9.65
27 11 16 00-0098	EA 3U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-719)	103.73 9.65
27 11 16 00-0099	EA 3U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-723)	118.03 9.65
27 11 16 00-0100	EA 3U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-703)	83.60 9.65
27 11 16 00-0101	Double-Sided, Horizontal Cable Managers (27 11 16 00-0090)	
27 11 16 00-0102	EA 1U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-719)	93.99 9.65
27 11 16 00-0103	EA 1U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-723)	105.27 9.65
27 11 16 00-0104	EA 2U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-719)	98.88 9.65
27 11 16 00-0105	EA 2U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-723)	115.04 9.65
27 11 16 00-0106	EA 3U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-719)	127.85 9.65
27 11 16 00-0107	EA 3U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-723)	143.13 9.65
27 11 16 00-0108	Vertical Cable Managers (27 11 16 00-0089)	
27 11 16 00-0109	Single-Sided, Vertical Cable Managers (27 11 16 00-0108)	
27 11 16 00-0110	EA 3.6" Width, 9.7" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-701)	169.39 14.48
27 11 16 00-0111	EA 6" Width, 9.8" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-701)	238.76 14.48
27 11 16 00-0112	EA 10" Width, 10.3" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-701)	384.28 14.48
27 11 16 00-0113	EA 12" Width, 10.4" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-701)	435.04 14.48
27 11 16 00-0114	EA 3.6" Width, 9.7" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-703)	181.23 14.48
27 11 16 00-0115	EA 6" Width, 9.8" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-703)	257.37 14.48
27 11 16 00-0116	EA 10" Width, 10.3" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-703)	418.12 14.48
27 11 16 00-0117	EA 12" Width, 10.4" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-703)	468.88 14.48
27 11 16 00-0118	EA 3.6" Width, 9.7" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-715)	204.92 14.48
27 11 16 00-0119	EA 6" Width, 9.8" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-715)	282.75 14.48
27 11 16 00-0120	EA 10" Width, 10.3" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-715)	468.88 14.48
27 11 16 00-0121	EA 12" Width, 10.4" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-715)	519.64 14.48
27 11 16 00-0122	Double-Sided, Vertical Cable Managers (27 11 16 00-0108)	
27 11 16 00-0123	EA 3.6" Width, 16.4" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-701)	245.53 14.48
27 11 16 00-0124	EA 6" Width, 16.6" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-701)	289.52 14.48
27 11 16 00-0125	EA 10" Width, 17.5" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-701)	468.88 14.48
27 11 16 00-0126	EA 12" Width, 17.8" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-701)	553.48 14.48
27 11 16 00-0127	EA 3.6" Width, 16.4" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-703)	265.83 14.48
27 11 16 00-0128	EA 6" Width, 16.6" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-703)	309.83 14.48
27 11 16 00-0129	EA 10" Width, 17.5" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-703)	502.72 14.48
27 11 16 00-0130	EA 12" Width, 17.8" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-703)	587.32 14.48
27 11 16 00-0131	EA 3.6" Width, 16.4" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-715)	292.91 14.48
27 11 16 00-0132	EA 6" Width, 16.6" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-715)	336.90 14.48
27 11 16 00-0133	EA 10" Width, 17.5" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-715)	553.48 14.48
27 11 16 00-0134	EA 12" Width, 17.8" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-715)	638.08 14.48
27 11 16 00-0135	Accessories For Vertical Cable Managers (27 11 16 00-0108)	
27 11 16 00-0136	EA Cable Ring Kit For 3.6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-716)	103.90 9.65
27 11 16 00-0137	EA Cable Ring Kit For 3.6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-717)	110.67 9.65
27 11 16 00-0138	EA Cable Ring Kit For 3.6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-718)	117.44 9.65
27 11 16 00-0139	EA Cable Ring Kit For 6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-726)	107.29 9.65
27 11 16 00-0140	EA Cable Ring Kit For 6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-727)	117.44 9.65
27 11 16 00-0141	EA Cable Ring Kit For 6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-728)	127.59 9.65
27 11 16 00-0142	EA Cable Ring Kit For 10" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-746)	120.82 9.65
27 11 16 00-0143	EA Cable Ring Kit For 10" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-747)	130.97 9.65
27 11 16 00-0144	EA Cable Ring Kit For 10" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-748)	141.13 9.65
27 11 16 00-0145	EA Cable Ring Kit For 12" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-756)	127.59 9.65
27 11 16 00-0146	EA Cable Ring Kit For 12" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-757)	141.13 9.65
27 11 16 00-0147	EA Cable Ring Kit For 12" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-758)	151.28 9.65
27 11 16 00-0148	EA Cable Lashing Bar Kit For Vertical Cable Managers (Chatsworth 13928-001)	86.98 9.65
27 11 16 00-0149	EA Cable Spool Kit For Vertical Cable Managers (Chatsworth 13935-701)	100.52 9.65
27 11 16 00-0150	EA Cable Distribution Spools For Vertical Cable Managers (Chatsworth 15008-001)	105.09 9.65
27 11 16 00-0151	EA Cable Distribution Spool Spacer Kit For Vertical Cable Managers (Chatsworth 35505-001)	66.68 9.65

27 11 19 Communications Termination Blocks And Patch Panels (27 11)

Note: The terminating, testing, and labeling of the cables in question should be done according to the task description as well as the current contract specifications. See CSI section 27 14 43 00-0074 for labeling.

27 11 19 00-0001 Computer Network Components (27 11 19)

27	Communications
27 10	Structured Cabling
27 11	Communications Equipment Room Fittings



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 11 19 00-002	Ethernet Patch Panels <small>(27 11 19 00-0001)</small>		
27 11 19 00-0003	EA 12 Port, Category 5E Patch Panel	196.34	48.25
27 11 19 00-0004	EA 24 Port, Category 5E Patch Panel	281.52	48.25
27 11 19 00-0005	EA 32 Port, Category 5E Patch Panel	362.12	48.25
27 11 19 00-0006	EA 48 Port, Category 5E Patch Panel	437.22	48.25
27 11 19 00-0007	EA 64 Port, Category 5E Patch Panel	583.88	60.32
27 11 19 00-0008	EA 96 Port, Category 5E Patch Panel	800.53	72.38
27 11 19 00-0009	EA 12 Port, Category 6 Patch Panel.....	237.56	48.25
27 11 19 00-0010	EA 24 Port, Category 6 Patch Panel.....	287.02	48.25
27 11 19 00-0011	EA 48 Port, Category 6 Patch Panel.....	477.52	48.25
27 11 19 00-0012	EA 96 Port, Category 6 Patch Panel.....	877.47	72.38
27 11 19 00-0013	EA 16" x 12" x 8" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161208LP)	468.27	72.38
27 11 19 00-0014	EA 16" x 16" x 6" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161606LP)	495.88	72.38
27 11 19 00-0015	EA 12 Port, Category 6 Modular to 110 Mini Patch Panel (Ortronics-Legrand OR-PMP61289).....	204.57	48.25
27 11 19 00-0016	EA Terminate One End Of A 4 Pair Cable To Category "X" Specifications	34.20	
	<i>For >5 To 10 Cables, Deduct</i>	-6.16	
	<i>For >10 Cables, Deduct</i>	-13.68	
27 11 19 00-0017	EA Terminate One End Of A Twisted Pair Of Wires.....	9.40	
	Note: Per each pair		
	<i>For >20 To 40 Pairs, Deduct</i>	-1.50	
	<i>For >40 Pairs, Deduct</i>	-3.57	
27 11 19 00-0018	Fiber Optic Cable Patch Panels And Enclosures <small>(27 11 19 00-0001)</small>		
27 11 19 00-0019	Fiber Optic Cable Connector Housings <small>(27 11 19 00-0018)</small>		
27 11 19 00-0020	Wall Mount, Fiber Optic Cable Connector Housings <small>(27 11 19 00-0019)</small>		
	Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0021	EA 1-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	104.62	21.71
27 11 19 00-0022	EA 2-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	152.25	21.71
27 11 19 00-0023	EA 4-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	222.72	21.71
27 11 19 00-0024	EA 6-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	330.16	36.19
27 11 19 00-0025	EA 12-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	455.63	36.19
27 11 19 00-0026	Rack Mount, Fiber Optic Cable Connector Housings <small>(27 11 19 00-0019)</small>		
	Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0027	EA 2-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	343.02	36.19
27 11 19 00-0028	EA 4-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	390.86	36.19
27 11 19 00-0029	EA 6-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	420.12	36.19
27 11 19 00-0030	EA 12-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	490.82	36.19
27 11 19 00-0031	Rack Mount, Fiber Optic Cable Pretium® Connector Housings <small>(27 11 19 00-0019)</small>		
	Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0032	EA 2-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	425.01	36.19
	<i>For Splice Tray Bracket, Add</i>	44.26	
27 11 19 00-0033	EA 4-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	496.16	36.19
	<i>For Splice Tray Bracket, Add</i>	48.40	
27 11 19 00-0034	EA 12-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	616.08	36.19
	<i>For Splice Tray Bracket, Add</i>	176.32	
27 11 19 00-0035	Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housings <small>(27 11 19 00-0019)</small>		
	Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0036	EA 8 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing.....	536.66	36.19
27 11 19 00-0037	EA 12 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	683.39	36.19
27 11 19 00-0038	EA 24 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	772.33	36.19
27 11 19 00-0039	EA 48 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing.....	999.18	36.19
27 11 19 00-0040	Wall Mount, Fiber Optic Cable Industrial Connector Housings <small>(27 11 19 00-0019)</small>		
	Note: Includes powder-coat finish, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0041	EA 2-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing.....	476.19	21.71
27 11 19 00-0042	EA 6-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing.....	660.42	36.19
27 11 19 00-0043	EA 12-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing.....	692.55	36.19
27 11 19 00-0044	Wall Mount, Fiber Optic Cable Environmental Connector Housings <small>(27 11 19 00-0019)</small>		
	Note: Includes NEMA 4X enclosure, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0045	EA 2-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing.....	498.39	21.71
27 11 19 00-0046	EA 6-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing.....	660.03	36.19
27 11 19 00-0047	EA 12-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing.....	773.69	36.19



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0048	Fiber Optic Cable Connector Panels (27 11 19 00-0018)	
27 11 19 00-0049	SC Simplex, Fiber Optic Cable Connector Panels (27 11 19 00-0048)	
27 11 19 00-0050 EA	6-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	66.05 4.83
27 11 19 00-0051 EA	6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel.....	71.57 4.83
27 11 19 00-0052 EA	8-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	80.12 4.83
27 11 19 00-0053 EA	8-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel.....	87.47 4.83
27 11 19 00-0054 EA	12-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	108.29 4.83
27 11 19 00-0055 EA	12-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel.....	119.29 4.83
27 11 19 00-0056	SC Duplex, Fiber Optic Cable Connector Panels (27 11 19 00-0048)	
27 11 19 00-0057 EA	6-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel.....	63.61 4.83
27 11 19 00-0058 EA	6-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel.....	64.91 4.83
27 11 19 00-0059 EA	8-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel.....	76.89 4.83
27 11 19 00-0060 EA	8-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel.....	78.61 4.83
27 11 19 00-0061 EA	12-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel.....	103.44 4.83
27 11 19 00-0062 EA	12-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel.....	106.00 4.83
27 11 19 00-0063	LC Duplex, Fiber Optic Cable Connector Panels (27 11 19 00-0048)	
27 11 19 00-0064 EA	6-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	68.59 4.83
27 11 19 00-0065 EA	6-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	75.08 4.83
27 11 19 00-0066 EA	8-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	83.50 4.83
27 11 19 00-0067 EA	8-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	92.17 4.83
27 11 19 00-0068 EA	12-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	113.37 4.83
27 11 19 00-0069 EA	12-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	126.35 4.83
27 11 19 00-0070 EA	16-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	143.22 4.83
27 11 19 00-0071 EA	16-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	160.52 4.83
27 11 19 00-0072 EA	24-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	202.91 4.83
27 11 19 00-0073 EA	24-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	208.94 4.83
27 11 19 00-0074	ST Simplex, Fiber Optic Cable Connector Panels (27 11 19 00-0048)	
27 11 19 00-0075 EA	6-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel.....	55.13 4.83
27 11 19 00-0076 EA	6-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	59.30 4.83
27 11 19 00-0077 EA	8-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel.....	65.57 4.83
27 11 19 00-0078 EA	8-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	71.14 4.83
27 11 19 00-0079 EA	12-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel.....	86.44 4.83
27 11 19 00-0080 EA	12-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	94.80 4.83
27 11 19 00-0081	MT-RJ, Fiber Optic Cable Connector Panels (27 11 19 00-0048)	
27 11 19 00-0082 EA	12-Fiber, Multimode, MT-RJ, Fiber Optic Cable Connector Panel.....	68.20 4.83
27 11 19 00-0083 EA	12-Fiber, Singlemode, MT-RJ, Fiber Optic Cable Connector Panel.....	101.37 4.83
27 11 19 00-0084	Fiber Optic Cable Pretium Edge® Modules (27 11 19 00-0048)	
27 11 19 00-0085 EA	12-Fiber, Singlemode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module.....	576.87 4.83
27 11 19 00-0086 EA	12-Fiber, Multimode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module.....	578.86 4.83
27 11 19 00-0087	Fiber Optic Cable Splice Housings (27 11 19 00-0018)	
27 11 19 00-0088	Wall Mount, Fiber Optic Cable Splice Housings (27 11 19 00-0087)	
Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0089 EA	12 Splice Tray Capacity, Wall Mount, Fiber Optic Splice Housing With Locking Door.....	244.28 48.25
27 11 19 00-0090	Rack Mount, Fiber Optic Cable Splice Housings (27 11 19 00-0087)	
Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0091 EA	12 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing.....	355.45 36.19
27 11 19 00-0092 EA	22 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing.....	360.63 36.19
27 11 19 00-0093	Fiber Optic Cable Splice Trays (27 11 19 00-0087)	
27 11 19 00-0094 EA	Fiber Optic Cable Splice Tray.....	69.35 12.06
27 11 19 00-0095	Fiber Optic Cable Jumper Management Panels (27 11 19 00-0018)	
Note: Includes mounting hardware.		
27 11 19 00-0096 EA	Rack Mount, Fiber Optic Cable Jumper Management Panel.....	138.44 36.19
27 11 19 00-0097	Miscellaneous Accessories (27 11 19 00-0001)	
27 11 19 00-0098 EA	Wall Mount Bracket For 12 Or 24 Port Patch Panel.....	50.93 48.25
27 11 19 00-0099 EA	Wall Mount Bracket For 32 Or 48 Port Patch Panel.....	67.38 48.25
27 11 19 00-0100 EA	Wall Mount Bracket For 64 Or 72 Port Patch Panel.....	73.87 48.25
27 11 19 00-0101 EA	Wall Mount Bracket For 96 Port Patch Panel.....	82.46 48.25
27 11 19 00-0102 EA	Lightning Protection Plus Stainless Steel Modules, Siemon.....	321.09 48.25

27 Communications**27 10 Structured Cabling****27 11 Communications Equipment Room Fittings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0103			Telephone Components (27 11 19)		
27 11 19 00-0104			Terminal Blocks With Wide Range Of 22-8 AWG (27 11 19 00-0103)		
27 11 19 00-0105	EA		Terminal Block, Circuit Isolation Switch With Wire Range 22-8 AWG.....	26.07	9.66
27 11 19 00-0106	EA		Terminal Block, Fuse Holder 600 Volt, 6.3 Amp With Wire Range 22-8 AWG.....	44.49	9.66
27 11 19 00-0107	EA		Terminal Block, Fuse Holder 600 Volt, 10 Amp With Wire Range 22-8 AWG.....	36.95	9.66
27 11 19 00-0108	EA		Terminal Block, Solderless Box With Lugs And Wire Range 22-8 AWG.....	20.96	9.66
27 11 19 00-0109	EA		Flat Terminal Block Connection With Wire Range 22-8 AWG.....	14.93	6.76
27 11 19 00-0110	EA		Ground Terminal Block With Wire Range 22-8 AWG.....	26.86	9.66
27 11 19 00-0111	EA		Terminal Block, Solderless Box With Lug 600 Volt, 60 Amp With Wire Range 22-8 AWG.....	20.96	9.66
27 11 19 00-0112	EA		Terminal Block, Mini Box Lug 300 Volt, 30 Amp With Wire Range 22-8 AWG.....	14.82	6.76
27 11 19 00-0113	EA		Flat Terminal Block Connection 300 Volt, 20 Amp With Wire Range 22-8 AWG.....	14.74	6.76
27 11 19 00-0114	EA		Self Lifting Terminal Block, 300 Volt, 40 Amp Wire Connection With Wire Range 22-12 AWG.....	15.10	6.76
27 11 19 00-0115			Terminal Block Mounting Channel (27 11 19 00-0103)		
27 11 19 00-0116	EA		Terminal Block Mounting Channel, .5 M Galvanized Steel.....	13.61	4.84
27 11 19 00-0117	EA		Terminal Block Mounting Channel, 1 M Galvanized Steel.....	16.85	4.84
27 11 19 00-0118	EA		Terminal Block Mounting Channel, 2 M Galvanized Steel.....	22.45	4.84
27 11 19 00-0119	EA		Terminal Block Mounting Channel, .5 M Bi-Chrome Zinc.....	17.04	5.80
27 11 19 00-0120	EA		Terminal Block Mounting Channel, 1 M Bi-Chrome Zinc.....	22.37	5.80
27 11 19 00-0121	EA		Terminal Block Mounting Channel, 2 M Bi-Chrome Zinc.....	30.98	5.80
27 11 19 00-0122			Outlet Termination Hardware (27 11 19 00-0103)		
27 11 19 00-0123	EA		Telephone Outlet Blocks.....	23.59	4.84
27 11 19 00-0124	EA		Phone Outlet Block For Floor Box.....	79.14	36.67
			Note: Excludes box.		
27 11 19 00-0125	EA		Fiber Optic "SC" Type Modular Bulkhead.....	63.40	21.71
27 11 19 00-0126	EA		Fiber Optic "ST" Type Modular Bulkhead.....	63.40	21.71
27 11 19 00-0127	EA		Type "F" Coaxial Connector Male.....	38.12	14.48
27 11 19 00-0128	EA		Modular Plate For 3-RJ-45, 4 - "SC" And 1 -"F" Connector.....	90.70	24.13
27 11 19 00-0129	EA		Modular Plate For 3-RJ-45, 4 - "ST" And 1 -"F" Connector.....	90.70	24.13
27 11 19 00-0130	EA		Access Floor Box With 3-RJ-45, 4 - "SC" And 1 -"F" Connector.....	106.51	24.13
27 11 19 00-0131	EA		Access Floor Box With 3-RJ-45, 4 - "ST" And 1 -"F" Connector.....	106.51	24.13
27 11 19 00-0132	EA		Access Floor Box With 2-RJ-45, 4 - "SC" And 1 -25 Pin Connector.....	98.19	24.13
27 11 19 00-0133	EA		Terminal Type - Punch Down Block 110 Type - 300 Pair Category 5.....	800.57	120.63
27 11 19 00-0134	EA		Wiring (Punch Down) Block with Stand-Off Legs, 100 Pair, Category V.....	43.34	9.65
			Note: Excludes cable terminations.		
27 11 19 00-0135	EA		Connecting Block, 5-Pair.....	2.72	0.96
27 11 19 00-0136	EA		Connecting Block, 4-Pair.....	2.90	0.96
27 11 19 00-0137	EA		Plastic Label Holder, Transparent.....	11.16	2.41
27 11 19 00-0138	EA		Marked Label, White, 5-Pair.....	3.16	
27 11 19 00-0139	EA		Marked Label, Blue, 4-Pair.....	3.16	
27 11 19 00-0140			Terminations in Manhole or Junction Box (27 11 19 00-0103)		
27 11 19 00-0141	EA		25 Pair Cable Termination In Manhole Or Junction Box.....	154.41	
27 11 19 00-0142	EA		50 Pair Cable Termination In Manhole Or Junction Box.....	308.80	
27 11 19 00-0143	EA		100 Pair Cable Termination In Manhole Or Junction Box.....	617.61	
27 11 19 00-0144	EA		150 Pair Cable Termination In Manhole Or Junction Box.....	926.41	
27 11 19 00-0145	EA		200 Pair Cable Termination In Manhole Or Junction Box.....	1,083.71	
27 11 19 00-0146	EA		300 Pair Cable Termination In Manhole Or Junction Box.....	1,625.09	
27 11 19 00-0147	EA		400 Pair Cable Termination In Manhole Or Junction Box.....	2,043.91	
27 11 19 00-0148	EA		500 Pair Cable Termination In Manhole Or Junction Box.....	2,555.36	
27 11 19 00-0149	EA		750 Pair Cable Termination In Manhole Or Junction Box.....	3,833.02	
27 11 19 00-0150	EA		1,000 Pair Cable Termination In Manhole Or Junction Box.....	4,648.44	
27 11 19 00-0151	EA		1,200 Pair Cable Termination In Manhole Or Junction Box.....	5,297.98	
27 11 23			Communications Cable Management and Ladder Rack (27 11)		
27 11 23 00-0001			Equipment Supports (27 11 23)		
27 11 23 00-0002	EA		110 Jumper Trough (Commscope 107831133).....	27.35	4.83
27 11 23 00-0003	LF		Velcro CMP.....	2.29	0.96
27 11 23 00-0004	EA		12" x 5'-11" Tubular Runway.....	81.89	23.16
27 11 23 00-0005	EA		12" x 9'-11" Tubular Runway.....	141.35	38.60
27 11 23 00-0006	EA		Shelf Bracket Support For Tubular Runway.....	26.04	7.23
27 11 23 00-0007	EA		Straight Clamp Hardware For Tubular Runway.....	12.04	4.83
27 11 23 00-0008	EA		Corner Clamp Hardware For Tubular Runway.....	12.63	4.83
27 11 23 00-0009	EA		90 Degree Edge Clamp Hardware For Tubular Runway.....	27.75	8.69
27 11 23 00-0010	EA		Wall Angle Assembly Hardware For 12" Wide Tubular Runway.....	56.99	14.48
27 11 23 00-0011	EA		J-Bolt Hardware For Tubular Runway.....	5.54	2.12
27 11 23 00-0012	EA		T Bracket Hardware For Tubular Runway.....	30.41	12.06
27 14			Communications Cabling (27 10)		
27 14 13			Communications Copper Cabling (27 14)		



Communications	27	27
Structured Cabling	27 10	
Communications Cabling	27 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 13 Communications Copper Cable Splicing and Terminations (27 14 13)		
27 14 13 13-001 Modular Plugs For Copper Communications Cable (27 14 13 13)		
27 14 13 13-0002 EA Modular Plug For Non-Shielded Copper Communications Cable.....	21.57	
Note: Up to 8-position/8-contact non-shielded modular plug for solid or stranded wire. Includes termination.		
For >5 To 10, Deduct		
	-2.89	
For >10, Deduct		
	-5.78	
27 14 13 13-0003 EA Modular Plug For Shielded Copper Communications Cable.....	24.46	
Note: Up to 8-position/8-contact shielded modular plug for solid or stranded wire. Includes termination.		
For >5 To 10, Deduct		
	-3.25	
For >10, Deduct		
	-6.50	
27 14 13 13-0004 Communications Termination Blocks (27 14 13 13)		
27 14 13 13-0005 EA 100-Pair, 110 Block With Legs.....	41.31	12.06
27 14 13 13-0006 EA 300-Pair, 110 Block With Legs.....	66.30	12.06
27 14 13 13-0007 EA Clear Label Holder For 110 Wiring Block.....	10.14	4.83
27 14 13 13-0008 EA 4-Pair, 110C Connecting Block.....	5.59	2.41
27 14 13 13-0009 EA 5-Pair, 110C Connecting Block.....	5.68	2.41
27 14 13 13-0010 EA 100-Pair, 110 Jack Panel System.....	201.12	14.48
Note: Includes twelve 8-pin modular jacks and mounting legs.		
27 14 13 13-0011 EA 300-Pair, 110 Jack Panel System.....	466.44	14.48
Note: Includes twelve 8-pin modular jacks and mounting legs.		
27 14 13 13-0012 Testing And Certification Of Copper Communications Cable (27 14 13 13)		
Note: Use for existing systems.		
27 14 13 13-0013 EA Test 1-Pair Of A Copper Communications Cable For Continuity	4.83	
For >25-Pair, Deduct		
	-1.93	
27 14 13 13-0014 EA Certify 1-Pair Of A Copper Communications Cable.....	7.23	
For >25-Pair, Deduct		
	-2.89	
27 14 13 13-0015 EA Certify And Document 1-Pair Of A Copper Communications Cable	11.58	
For >25-Pair, Deduct		
	-4.62	
27 14 13 13-0016 EA Test 4-Pair Cat 5-7 Telecommunications Cable For Continuity	19.30	
For >25-Pair, Deduct		
	-7.70	
27 14 13 13-0017 EA Certify 4-Pair Cat 5-7 Telecommunications Cable	28.95	
For >25-Pair, Deduct		
	-11.56	
27 14 13 13-0018 EA Certify And Document 4-Pair Cat 5-7 Telecommunications Cable	46.32	
For >25-Pair, Deduct		
	-18.49	
27 14 13 13-0019 Building Entrance Terminals (27 14 13 13)		
27 14 13 13-0020 EA 25 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	1,597.81	211.74
27 14 13 13-0021 EA 50 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	2,178.49	352.89
27 14 13 13-0022 EA 100 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	3,130.32	565.07
27 14 13 16 Communications Copper Cabling (27 14 13)		
Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.		
27 14 13 16-0001 Copper Telecommunications Cable (27 14 13 16)		
27 14 13 16-0002 Indoor Telecommunications Cable (27 14 13 16-0001)		
Note: Shielded twisted pair cables (STP) include a metallic foil wrap. Un-shielded twisted pair cables (UTP) exclude any shielding.		
27 14 13 16-0003 Category 3, Indoor Telecommunications Cable (27 14 13 16-0002)		
Note: Un-shielded twisted pair cables (UTP).		
27 14 13 16-0004 Category 3, Indoor Telecommunications Riser Cable (27 14 13 16-0003)		
27 14 13 16-0005 24 AWG, Category 3, Indoor Telecommunications Riser Cable (27 14 13 16-0004)		
27 14 13 16-0006 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit (27 14 13 16-0005)		
27 14 13 16-0007 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	734.90	405.31
27 14 13 16-0008 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	760.24	405.31
27 14 13 16-0009 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	769.20	405.31
27 14 13 16-0010 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	916.13	463.21
27 14 13 16-0011 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,102.71	463.21
27 14 13 16-0012 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,398.95	463.21
27 14 13 16-0013 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	2,152.07	579.01
27 14 13 16-0014 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	3,832.72	926.42
27 14 13 16-0015 MLF 150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	5,085.34	1,042.22
27 14 13 16-0016 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	6,645.21	1,158.02
27 14 13 16-0017 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	9,683.87	1,621.23
27 14 13 16-0018 MLF 400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	12,632.91	2,003.37
27 14 13 16-0019 MLF 600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	19,823.86	2,779.25
27 14 13 16-0020 MLF 900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	32,712.32	5,558.49
27 14 13 16-0021 MLF 1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	44,857.69	8,337.75



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0022 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 14 13 16-0005)</small>		
27 14 13 16-0023 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,410.42	810.62
For Work In Restricted Working Space, Add	405.31	
27 14 13 16-0024 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,435.76	810.62
For Work In Restricted Working Space, Add	405.31	
27 14 13 16-0025 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,444.72	810.62
For Work In Restricted Working Space, Add	405.31	
27 14 13 16-0026 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,495.15	810.62
For Work In Restricted Working Space, Add	405.31	
27 14 13 16-0027 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,681.73	810.62
For Work In Restricted Working Space, Add	405.31	
27 14 13 16-0028 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	2,170.97	926.42
For Work In Restricted Working Space, Add	463.21	
27 14 13 16-0029 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	3,117.09	1,158.02
For Work In Restricted Working Space, Add	579.01	
27 14 13 16-0030 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	4,604.73	1,389.62
For Work In Restricted Working Space, Add	694.81	
27 14 13 16-0031 MLF 150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	5,953.86	1,563.32
For Work In Restricted Working Space, Add	781.67	
27 14 13 16-0032 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	7,610.23	1,737.03
For Work In Restricted Working Space, Add	868.52	
27 14 13 16-0033 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	11,034.90	2,431.84
For Work In Restricted Working Space, Add	1,215.92	
27 14 13 16-0034 MLF 400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	14,312.03	3,010.86
For Work In Restricted Working Space, Add	1,505.42	
27 14 13 16-0035 MLF 600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	22,139.90	4,168.87
For Work In Restricted Working Space, Add	2,084.44	
27 14 13 16-0036 MLF 900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	37,344.40	8,337.75
For Work In Restricted Working Space, Add	4,168.87	
27 14 13 16-0037 MLF 1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	51,805.82	12,506.62
For Work In Restricted Working Space, Add	6,253.31	
27 14 13 16-0038 22 AWG, Category 3, Indoor Telecommunications Riser Cable <small>(27 14 13 16-0004)</small>		
27 14 13 16-0039 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 14 13 16-0038)</small>		
27 14 13 16-0040 MLF 25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	2,136.83	463.21
27 14 13 16-0041 MLF 50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	3,131.48	579.01
27 14 13 16-0042 MLF 100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	5,658.45	926.42
27 14 13 16-0043 MLF 200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	9,825.27	1,158.02
27 14 13 16-0044 MLF 300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	14,413.10	1,621.23
27 14 13 16-0045 MLF 400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	18,724.05	2,003.37
27 14 13 16-0046 MLF 600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	27,673.21	2,779.25
27 14 13 16-0047 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 14 13 16-0038)</small>		
27 14 13 16-0048 MLF 25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	2,908.85	926.42
For Work In Restricted Working Space, Add	463.21	
27 14 13 16-0049 MLF 50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	4,096.50	1,158.02
For Work In Restricted Working Space, Add	579.01	
27 14 13 16-0050 MLF 100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	6,430.46	1,389.62
For Work In Restricted Working Space, Add	694.81	
27 14 13 16-0051 MLF 200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	10,790.29	1,737.03
For Work In Restricted Working Space, Add	868.52	
27 14 13 16-0052 MLF 300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	15,764.13	2,431.84
For Work In Restricted Working Space, Add	1,215.92	
27 14 13 16-0053 MLF 400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	20,403.17	3,010.86
For Work In Restricted Working Space, Add	1,505.42	
27 14 13 16-0054 MLF 600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	29,989.25	4,168.87
For Work In Restricted Working Space, Add	2,084.44	
27 14 13 16-0055 Category 3, Indoor Telecommunications Plenum Cable <small>(27 14 13 16-0003)</small>		
27 14 13 16-0056 24 AWG, Category 3, Indoor Telecommunications Plenum Cable <small>(27 14 13 16-0055)</small>		
27 14 13 16-0057 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 14 13 16-0056)</small>		
27 14 13 16-0058 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	755.40	405.31
27 14 13 16-0059 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	780.64	405.31
27 14 13 16-0060 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	799.52	405.31
27 14 13 16-0061 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	950.18	463.21
27 14 13 16-0062 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,153.55	463.21
27 14 13 16-0063 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,704.84	463.21
27 14 13 16-0064 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	2,774.84	579.01
27 14 13 16-0065 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	5,137.59	926.42
27 14 13 16-0066 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	8,690.02	1,158.02
27 14 13 16-0067 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	12,970.17	1,621.23



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0068 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 14 13 16-0056)</small>		
27 14 13 16-0069 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,430.92 405.31	810.62
27 14 13 16-0070 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,456.16 405.31	810.62
27 14 13 16-0071 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,475.04 405.31	810.62
27 14 13 16-0072 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,529.20 405.31	810.62
27 14 13 16-0073 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,732.57 405.31	810.62
27 14 13 16-0074 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,476.86 463.21	926.42
27 14 13 16-0075 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,739.86 579.01	1,158.02
27 14 13 16-0076 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	5,909.60 694.81	1,389.62
27 14 13 16-0077 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	9,655.04 868.52	1,737.03
27 14 13 16-0078 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	14,321.20 1,215.92	2,431.84
27 14 13 16-0079 Category 5E, Indoor Telecommunications Cable <small>(27 14 13 16-0002)</small>		
27 14 13 16-0080 Category 5E, Indoor Telecommunications Riser Cable <small>(27 14 13 16-0079)</small>		
27 14 13 16-0081 Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 14 13 16-0080)</small>		
27 14 13 16-0082 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	814.68	405.31
27 14 13 16-0083 MLF 4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	847.28	405.31
27 14 13 16-0084 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	944.41	463.21
27 14 13 16-0085 MLF 4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	977.00	463.21
27 14 13 16-0086 Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 14 13 16-0080)</small>		
27 14 13 16-0087 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,490.20 405.31	810.62
27 14 13 16-0088 MLF 4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,522.80 405.31	810.62
27 14 13 16-0089 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,716.43 463.21	926.42
27 14 13 16-0090 MLF 4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,749.02 463.21	926.42
27 14 13 16-0091 Category 5E, Indoor Telecommunications Plenum Cable <small>(27 14 13 16-0079)</small>		
27 14 13 16-0092 Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 14 13 16-0091)</small>		
27 14 13 16-0093 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	934.56	405.31
27 14 13 16-0094 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,285.77	463.21
27 14 13 16-0095 Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 14 13 16-0091)</small>		
27 14 13 16-0096 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,610.08 405.31	810.62
27 14 13 16-0097 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,057.79 463.21	926.42
27 14 13 16-0098 Category 6, Indoor Telecommunications Cable <small>(27 14 13 16-0002)</small>		
27 14 13 16-0099 Category 6, Indoor Telecommunications Riser Cable <small>(27 14 13 16-0098)</small>		
27 14 13 16-0100 Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 14 13 16-0099)</small>		
27 14 13 16-0101 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,004.42	405.31
27 14 13 16-0102 MLF 4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,041.20	405.31
27 14 13 16-0103 Category 6, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 14 13 16-0099)</small>		
27 14 13 16-0104 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,679.94 405.31	810.62
27 14 13 16-0105 MLF 4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,716.72 405.31	810.62
27 14 13 16-0106 Category 6, Indoor Telecommunications Plenum Cable <small>(27 14 13 16-0098)</small>		

27	Communications
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0107 Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 14 13 16-0106)</small>		
27 14 13 16-0108 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,344.68	405.31
27 14 13 16-0109 Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 14 13 16-0106)</small>		
27 14 13 16-0110 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,020.20 405.31	810.62
27 14 13 16-0111 Category 6a, Indoor Telecommunications Cable <small>(27 14 13 16-0002)</small>		
27 14 13 16-0112 Category 6a, Indoor Telecommunications Riser Cable <small>(27 14 13 16-0111)</small>		
27 14 13 16-0113 Category 6a Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 14 13 16-0112)</small>		
27 14 13 16-0114 MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Riser Cable, Installed In Conduit	1,063.18	405.31
27 14 13 16-0115 Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 14 13 16-0112)</small>		
27 14 13 16-0116 MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,738.70 405.31	810.62
27 14 13 16-0117 Category 6a, Indoor Telecommunications Plenum Cable <small>(27 14 13 16-0111)</small>		
27 14 13 16-0118 Category 6a, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 14 13 16-0117)</small>		
27 14 13 16-0119 MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,518.61	405.31
27 14 13 16-0120 Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 14 13 16-0117)</small>		
27 14 13 16-0121 MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,194.13 405.31	810.62
27 14 13 16-0122 Category 7, Indoor Telecommunications Cable <small>(27 14 13 16-0002)</small>		
27 14 13 16-0123 Category 7, Indoor Telecommunications Cable, Installed In Conduit <small>(27 14 13 16-0122)</small>		
27 14 13 16-0124 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed In Conduit	2,266.51	463.21
27 14 13 16-0125 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	4,420.17	463.21
27 14 13 16-0126 Category 7, Indoor Telecommunications Cable, Installed Exposed <small>(27 14 13 16-0122)</small>		
27 14 13 16-0127 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,038.53 463.21	926.42
27 14 13 16-0128 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed Exposed	5,192.19 463.21	926.42
27 14 13 16-0129 Outdoor Telecommunications Cable <small>(27 14 13 16-0001)</small> Note: Cable buried in trench excludes excavation.		
27 14 13 16-0130 PE-89 Outdoor Telecommunications Cable <small>(27 14 13 16-0129)</small> Note: Includes foam-skin polyolefin insulated conductors.		
27 14 13 16-0131 24 AWG, PE-89 Outdoor Telecommunications Cable <small>(27 14 13 16-0130)</small>		
27 14 13 16-0132 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit <small>(27 14 13 16-0131)</small>		
27 14 13 16-0133 MLF 6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,124.01	463.21
27 14 13 16-0134 MLF 12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,272.89	810.62
27 14 13 16-0135 MLF 25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,690.12	521.11
27 14 13 16-0136 MLF 50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,397.61	579.01
27 14 13 16-0137 MLF 75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,390.92	810.62
27 14 13 16-0138 MLF 100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	4,192.63	926.42
27 14 13 16-0139 MLF 200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	6,762.93	1,042.22
27 14 13 16-0140 MLF 300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	9,920.53	1,505.42
27 14 13 16-0141 MLF 400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	13,124.41	1,968.63
27 14 13 16-0142 MLF 600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	17,816.16	2,663.45
27 14 13 16-0143 MLF 900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	29,027.13	5,326.89
27 14 13 16-0144 MLF 1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	40,146.91	7,874.54
27 14 13 16-0145 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench <small>(27 14 13 16-0131)</small>		
27 14 13 16-0146 MLF 6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	979.27	
27 14 13 16-0147 MLF 12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	1,128.15	
27 14 13 16-0148 MLF 25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	1,497.11	
27 14 13 16-0149 MLF 50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	2,204.61	
27 14 13 16-0150 MLF 75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	3,101.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0151 MLF 100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	3,710.12	
27 14 13 16-0152 MLF 200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	6,569.93	
27 14 13 16-0153 MLF 300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	9,341.52	
27 14 13 16-0154 MLF 400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	11,918.14	
27 14 13 16-0155 MLF 600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	15,693.13	
27 14 13 16-0156 MLF 900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	23,237.04	
27 14 13 16-0157 MLF 1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	31,654.75	
27 14 13 16-0158 22 AWG, PE-89 Outdoor Telecommunications Cable (27 14 13 16-0130)		
27 14 13 16-0159 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit (27 14 13 16-0158)		
27 14 13 16-0160 MLF 6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,218.66	463.21
27 14 13 16-0161 MLF 12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,449.72	463.21
27 14 13 16-0162 MLF 25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,052.09	521.11
27 14 13 16-0163 MLF 50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,041.87	579.01
27 14 13 16-0164 MLF 75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	4,397.72	810.62
27 14 13 16-0165 MLF 100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	5,561.35	926.42
27 14 13 16-0166 MLF 200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	9,403.37	1,042.22
27 14 13 16-0167 MLF 300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	13,686.33	1,505.42
27 14 13 16-0168 MLF 400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	18,201.04	1,968.63
27 14 13 16-0169 MLF 600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	26,681.55	2,663.45
27 14 13 16-0170 MLF 900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	40,223.39	5,326.89
27 14 13 16-0171 MLF 1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	56,897.55	7,874.54
27 14 13 16-0172 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench (27 14 13 16-0158)		
27 14 13 16-0173 MLF 6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,073.92	
27 14 13 16-0174 MLF 12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,304.98	
27 14 13 16-0175 MLF 25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,859.08	
27 14 13 16-0176 MLF 50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,848.87	
27 14 13 16-0177 MLF 75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	4,108.21	
27 14 13 16-0178 MLF 100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	5,271.84	
27 14 13 16-0179 MLF 200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	9,210.37	
27 14 13 16-0180 MLF 300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	13,107.32	
27 14 13 16-0181 MLF 400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	16,994.77	
27 14 13 16-0182 MLF 600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	24,558.52	
27 14 13 16-0183 MLF 900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	34,433.30	
27 14 13 16-0184 MLF 1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	48,405.39	
27 14 13 16-0185 19 AWG, PE-89 Outdoor Telecommunications Cable (27 14 13 16-0130)		
27 14 13 16-0186 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit (27 14 13 16-0185)		
27 14 13 16-0187 MLF 25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,167.95	521.11
27 14 13 16-0188 MLF 50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	5,223.03	579.01
27 14 13 16-0189 MLF 75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	8,277.60	810.62
27 14 13 16-0190 MLF 100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	9,881.60	926.42
27 14 13 16-0191 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench (27 14 13 16-0185)		
27 14 13 16-0192 MLF 25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,974.94	
27 14 13 16-0193 MLF 50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	5,030.03	
27 14 13 16-0194 MLF 75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	7,988.09	
27 14 13 16-0195 MLF 100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	9,592.09	
27 14 13 16-0196 PE-39 Outdoor Telecommunications Cable (27 14 13 16-0129)		
Note: Includes solid polyolefin insulated conductors.		
27 14 13 16-0197 24 AWG, PE-39 Outdoor Telecommunications Cable (27 14 13 16-0196)		
27 14 13 16-0198 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit (27 14 13 16-0197)		
27 14 13 16-0199 MLF 6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,716.33	810.62
27 14 13 16-0200 MLF 12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,898.48	810.62
27 14 13 16-0201 MLF 25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,265.95	810.62
27 14 13 16-0202 MLF 50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,927.68	810.62
27 14 13 16-0203 MLF 100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	4,269.78	810.62
27 14 13 16-0204 MLF 200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	7,380.74	1,042.22
27 14 13 16-0205 MLF 300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	10,763.26	1,505.42
27 14 13 16-0206 MLF 400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	14,151.27	1,968.63
27 14 13 16-0207 MLF 600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	19,315.45	2,663.45
27 14 13 16-0208 MLF 900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	30,966.09	5,326.89
27 14 13 16-0209 MLF 1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	45,175.79	7,874.54
27 14 13 16-0210 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench (27 14 13 16-0197)		
27 14 13 16-0211 MLF 6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	1,426.82	
27 14 13 16-0212 MLF 12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	1,608.97	

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0213 MLF 25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	1,976.44	
27 14 13 16-0214 MLF 50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	2,638.17	
27 14 13 16-0215 MLF 100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	3,980.27	
27 14 13 16-0216 MLF 200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	7,187.74	
27 14 13 16-0217 MLF 300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	10,184.25	
27 14 13 16-0218 MLF 400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	12,945.00	
27 14 13 16-0219 MLF 600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	17,192.42	
27 14 13 16-0220 MLF 900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	25,176.00	
27 14 13 16-0221 MLF 1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	36,683.63	
27 14 13 16-0222 22 AWG, PE-39 Outdoor Telecommunications Cable (27 14 13 16-0196)		
27 14 13 16-0223 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit (27		
14 13 16-0222)		
27 14 13 16-0224 MLF 6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	1,821.64	810.62
27 14 13 16-0225 MLF 12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	2,089.29	810.62
27 14 13 16-0226 MLF 25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	2,658.87	810.62
27 14 13 16-0227 MLF 50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	3,706.69	810.62
27 14 13 16-0228 MLF 100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	5,893.35	810.62
27 14 13 16-0229 MLF 200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	10,505.26	1,042.22
27 14 13 16-0230 MLF 300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	15,375.44	1,505.42
27 14 13 16-0231 MLF 400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	19,729.61	1,968.63
27 14 13 16-0232 MLF 600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	27,489.00	2,663.45
27 14 13 16-0233 MLF 900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	44,200.96	5,326.89
27 14 13 16-0234 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench (27 14 13		
16-0222)		
27 14 13 16-0235 MLF 6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	1,532.13	
27 14 13 16-0236 MLF 12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	1,799.78	
27 14 13 16-0237 MLF 25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	2,369.36	
27 14 13 16-0238 MLF 50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	3,417.18	
27 14 13 16-0239 MLF 100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	5,603.84	
27 14 13 16-0240 MLF 200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	10,312.26	
27 14 13 16-0241 MLF 300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	14,796.43	
27 14 13 16-0242 MLF 400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	18,523.34	
27 14 13 16-0243 MLF 600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	25,365.97	
27 14 13 16-0244 MLF 900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	38,410.87	
27 14 13 16-0245 19 AWG, PE-39 Outdoor Telecommunications Cable (27 14 13 16-0196)		
27 14 13 16-0246 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit (27		
14 13 16-0245)		
27 14 13 16-0247 MLF 25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	3,920.61	810.62
27 14 13 16-0248 MLF 50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	6,045.73	810.62
27 14 13 16-0249 MLF 100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	10,452.47	810.62
27 14 13 16-0250 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench (27 14 13		
16-0245)		
27 14 13 16-0251 MLF 25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	3,631.10	
27 14 13 16-0252 MLF 50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	5,756.22	
27 14 13 16-0253 MLF 100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	10,162.96	
27 14 13 16-0254 (Aerial) Outdoor Telecommunications Cable (27 14 13 16-0129)		
Note: Includes support wire.		
27 14 13 16-0255 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles (27		
14 13 16-0254)		
27 14 13 16-0256 MLF 6-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	5,133.21	1,615.15
27 14 13 16-0257 MLF 12-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	5,284.77	1,615.15
27 14 13 16-0258 MLF 25-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	5,661.04	1,615.15
27 14 13 16-0259 MLF 50-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	6,357.70	1,615.15
27 14 13 16-0260 MLF 100-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	7,703.30	1,615.15
27 14 13 16-0261 MLF 200-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	10,777.19	1,776.66
27 14 13 16-0262 MLF 300-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	13,867.75	1,938.18
27 14 13 16-0263 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles (27		
14 13 16-0254)		
27 14 13 16-0264 MLF 6-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	5,314.53	1,615.15
27 14 13 16-0265 MLF 12-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	5,538.44	1,615.15
27 14 13 16-0266 MLF 25-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	6,077.75	1,615.15
27 14 13 16-0267 MLF 50-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	7,143.20	1,615.15
27 14 13 16-0268 MLF 100-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	9,729.71	1,615.15
27 14 13 16-0269 MLF 200-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	14,227.57	1,776.66
27 14 13 16-0270 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles (27		
14 13 16-0254)		
27 14 13 16-0271 MLF 6-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	5,554.24	1,615.15
27 14 13 16-0272 MLF 12-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	6,060.61	1,615.15



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0273 MLF 25-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	7,056.20	1,615.15
27 14 13 16-0274 MLF 50-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	9,047.39	1,615.15
27 14 13 16-0275 MLF 100-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	13,290.06	1,615.15
27 14 13 16-0276 Solid Conductor Low Voltage Cable (27 14 13 16)		
27 14 13 16-0277 Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 14 13 16-0276)		
27 14 13 16-0278 #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 14 13 16-0277)		
27 14 13 16-0279 MLF 1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,988.19	873.41
For #10 AWG, Add	466.85	
For Work In Restricted Working Space, Add	436.74	
27 14 13 16-0280 MLF 2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,490.03	904.29
For #10 AWG, Add	625.72	
For Work In Restricted Working Space, Add	452.28	
27 14 13 16-0281 MLF 3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,928.37	936.05
For #10 AWG, Add	763.61	
For Work In Restricted Working Space, Add	467.89	
27 14 13 16-0282 MLF 4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,392.83	967.81
For #10 AWG, Add	909.88	
For Work In Restricted Working Space, Add	484.05	
27 14 13 16-0283 MLF 5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,887.95	1,033.09
For #10 AWG, Add	1,059.12	
For Work In Restricted Working Space, Add	516.70	
27 14 13 16-0284 MLF 6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,337.81	1,097.49
For #10 AWG, Add	1,193.63	
For Work In Restricted Working Space, Add	548.89	
27 14 13 16-0285 MLF 8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,687.64	1,228.06
For #10 AWG, Add	1,280.89	
For Work In Restricted Working Space, Add	613.92	
27 14 13 16-0286 MLF 12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,219.29	1,618.89
For #10 AWG, Add	1,701.68	
For Work In Restricted Working Space, Add	809.29	
27 14 13 16-0287 MLF 24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	9,266.21	2,390.84
For #10 AWG, Add	2,539.97	
For Work In Restricted Working Space, Add	1,195.11	
27 14 13 16-0288 #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 14 13 16-0277)		
27 14 13 16-0289 MLF 1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,781.74	764.01
For Work In Restricted Working Space, Add	381.92	
27 14 13 16-0290 MLF 2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,257.61	791.36
For Work In Restricted Working Space, Add	395.68	
27 14 13 16-0291 MLF 3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,672.60	818.71
For Work In Restricted Working Space, Add	409.44	
27 14 13 16-0292 MLF 4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,111.68	846.94
For Work In Restricted Working Space, Add	423.47	
27 14 13 16-0293 MLF 5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,576.04	904.29
For Work In Restricted Working Space, Add	452.06	
27 14 13 16-0294 MLF 6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,996.84	960.75
For Work In Restricted Working Space, Add	480.11	
27 14 13 16-0295 MLF 8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,314.55	1,074.55
For Work In Restricted Working Space, Add	537.28	
27 14 13 16-0296 MLF 12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,724.80	1,415.97
For Work In Restricted Working Space, Add	707.99	
27 14 13 16-0297 MLF 24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	8,533.82	2,091.77
For Work In Restricted Working Space, Add	1,045.97	
27 14 13 16-0298 #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 14 13 16-0277)		

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0299 MLF 1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,585.13 341.16	681.96
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0300 MLF 2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,896.56 353.33	706.67
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0301 MLF 3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,370.00 365.51	731.36
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0302 MLF 4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,757.81 378.21	756.07
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0303 MLF 5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,167.53 403.62	807.24
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0304 MLF 6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,539.55 428.76	857.52
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0305 MLF 7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,680.22 454.17	908.70
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0306 MLF 8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,821.79 479.84	959.87
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0307 MLF 9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,293.62 510.28	1,020.74
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0308 MLF 12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,070.28 632.16	1,264.23
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0309 MLF 24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,557.56 933.88	1,867.68
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0310 #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <small>(27 14 13 16-0277)</small>		
27 14 13 16-0311 MLF 1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,316.74 300.14	600.80
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0312 MLF 2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,620.28 310.99	621.97
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0313 MLF 3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,885.95 321.84	643.15
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0314 MLF 4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,166.06 332.69	665.20
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0315 MLF 5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,470.54 355.19	710.20
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0316 MLF 6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,748.16 377.42	754.30
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0317 MLF 8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,976.31 422.15	844.29
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0318 MLF 12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,946.65 556.33	1,112.49
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0319 MLF 24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,877.62 821.79	1,643.59
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0320 #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <small>(27 14 13 16-0277)</small>		
27 14 13 16-0321 MLF 1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,152.64 272.87	546.10
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0322 MLF 2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,392.08 282.67	565.51
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0323 MLF 3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,599.76 292.46	585.36
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0324 MLF 4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,818.51 302.52	605.21
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0325 MLF 5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,064.59 322.76	645.80
<i>For Work In Restricted Working Space, Add</i>		



Communications	27
Structured Cabling	27 10
Communications Cabling	27 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0326 MLF 6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,288.47 343.01	686.37
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0327 MLF 8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,502.64 383.77	767.53
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0328 MLF 12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,293.76 505.78	1,011.91
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0329 MLF 24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,902.26 747.16	1,494.50
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0330 MLF 25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,233.54 764.89	1,529.79
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0331 MLF 36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,257.44 890.61	1,781.22
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0332 MLF 40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,715.99 953.33	1,906.50
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0333 MLF 50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	7,977.84 1,191.27	2,382.90
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0334 MLF 100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	10,898.28 1,568.42	3,137.20
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0335 #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 14 13 16-0277)		
27 14 13 16-0336 MLF 1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	945.86 245.61	491.40
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0337 MLF 2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,021.82 254.35	509.04
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0338 MLF 3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,116.52 263.35	526.69
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0339 MLF 4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,220.11 272.34	544.33
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0340 MLF 5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,369.33 290.61	581.39
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0341 MLF 6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,521.15 308.08	615.80
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0342 Triad (27 14 13 16-0277)		
27 14 13 16-0343 MLF 1 Triad #16 AWG, Stranded, Low Voltage, Installed In Conduit.....	1,688.48	731.36
27 14 13 16-0344 MLF 4 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit.....	2,251.28	1,011.91
27 14 13 16-0345 MLF 8 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit.....	3,442.68	1,494.50
27 14 13 16-0346 MLF 12 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit.....	4,218.41	1,781.22
27 14 13 16-0347 MLF 24 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit.....	6,771.14	2,759.61
27 14 13 16-0348 MLF 36 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit.....	7,757.20	3,137.20
27 14 13 16-0349 Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 14 13 16-0276)		
27 14 13 16-0350 #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 14 13 16-0349)		
27 14 13 16-0351 MLF 1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,443.99 758.01	1,746.82
<i>For #10 AWG, Add</i>		
<i>For Work In Restricted Working Space, Add</i>	873.48	
27 14 13 16-0352 MLF 2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,997.61 927.24	1,808.57
<i>For #10 AWG, Add</i>		
<i>For Work In Restricted Working Space, Add</i>	904.55	
27 14 13 16-0353 MLF 3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,488.00 1,075.54	1,872.09
<i>For #10 AWG, Add</i>		
<i>For Work In Restricted Working Space, Add</i>	935.78	
27 14 13 16-0354 MLF 4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,006.34 1,232.58	1,935.61
<i>For #10 AWG, Add</i>		
<i>For Work In Restricted Working Space, Add</i>	968.10	

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0355 MLF 5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,610.27	2,066.18
For #10 AWG, Add	1,403.59	
For Work In Restricted Working Space, Add	1,033.39	
27 14 13 16-0356 MLF 6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	6,167.46	2,194.98
For #10 AWG, Add	1,559.56	
For Work In Restricted Working Space, Add	1,097.78	
27 14 13 16-0357 MLF 8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	6,734.01	2,456.12
For #10 AWG, Add	1,690.16	
For Work In Restricted Working Space, Add	1,227.83	
27 14 13 16-0358 MLF 12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	8,916.92	3,237.78
For #10 AWG, Add	2,241.20	
For Work In Restricted Working Space, Add	1,618.58	
27 14 13 16-0359 MLF 24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	13,249.91	4,781.67
For #10 AWG, Add	3,336.71	
For Work In Restricted Working Space, Add	2,390.22	
27 14 13 16-0360 #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 14 13 16-0349)		
27 14 13 16-0361 MLF 1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,054.79	1,528.02
For Work In Restricted Working Space, Add	763.83	
27 14 13 16-0362 MLF 2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,576.54	1,582.71
For Work In Restricted Working Space, Add	791.36	
27 14 13 16-0363 MLF 3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,037.40	1,637.41
For Work In Restricted Working Space, Add	818.88	
27 14 13 16-0364 MLF 4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,523.24	1,693.88
For Work In Restricted Working Space, Add	846.94	
27 14 13 16-0365 MLF 5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,082.88	1,808.57
For Work In Restricted Working Space, Add	904.11	
27 14 13 16-0366 MLF 6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,597.20	1,921.49
For Work In Restricted Working Space, Add	960.22	
27 14 13 16-0367 MLF 8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	6,105.47	2,149.11
For Work In Restricted Working Space, Add	1,074.55	
27 14 13 16-0368 MLF 12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	8,084.75	2,831.95
For Work In Restricted Working Space, Add	1,415.97	
27 14 13 16-0369 MLF 24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	12,020.39	4,183.52
For Work In Restricted Working Space, Add	2,091.94	
27 14 13 16-0370 #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 14 13 16-0349)		
27 14 13 16-0371 MLF 1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,722.33	1,363.92
For Work In Restricted Working Space, Add	682.32	
27 14 13 16-0372 MLF 2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,074.34	1,413.33
For Work In Restricted Working Space, Add	706.67	
27 14 13 16-0373 MLF 3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,588.36	1,462.74
For Work In Restricted Working Space, Add	731.02	
27 14 13 16-0374 MLF 4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,018.51	1,512.14
For Work In Restricted Working Space, Add	756.42	
27 14 13 16-0375 MLF 5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,512.93	1,614.47
For Work In Restricted Working Space, Add	807.24	
27 14 13 16-0376 MLF 6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,968.76	1,715.05
For Work In Restricted Working Space, Add	857.53	
27 14 13 16-0377 MLF 7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,194.13	1,817.39
For Work In Restricted Working Space, Add	908.34	
27 14 13 16-0378 MLF 8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,421.27	1,919.73
For Work In Restricted Working Space, Add	959.69	
27 14 13 16-0379 MLF 9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,994.56	2,041.48
For Work In Restricted Working Space, Add	1,020.56	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0380	MLF		12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	7,177.48 1,264.32	2,528.47
27 14 13 16-0381	MLF		24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	10,670.50 1,867.76	3,735.35
27 14 13 16-0382 #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 14 13 16-0349)					
27 14 13 16-0383	MLF		1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,317.19 600.27	1,201.59
27 14 13 16-0384	MLF		2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,656.90 621.97	1,243.95
27 14 13 16-0385	MLF		3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,958.74 643.67	1,286.29
27 14 13 16-0386	MLF		4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,275.02 665.38	1,330.40
27 14 13 16-0387	MLF		5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,654.50 710.37	1,420.38
27 14 13 16-0388	MLF		6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	4,006.21 754.83	1,508.61
27 14 13 16-0389	MLF		8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	4,383.46 844.29	1,688.59
27 14 13 16-0390	MLF		12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	5,801.10 1,112.67	2,224.98
27 14 13 16-0391	MLF		24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	8,616.93 1,643.59	3,287.18
27 14 13 16-0392 #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 14 13 16-0349)					
27 14 13 16-0393	MLF		1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,062.21 545.75	1,092.20
27 14 13 16-0394	MLF		2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,334.30 565.33	1,131.02
27 14 13 16-0395	MLF		3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,574.62 584.92	1,170.71
27 14 13 16-0396	MLF		4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,826.89 605.03	1,210.42
27 14 13 16-0397	MLF		5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,140.48 645.53	1,291.58
27 14 13 16-0398	MLF		6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,431.85 686.02	1,372.75
27 14 13 16-0399	MLF		8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,781.88 767.54	1,535.08
27 14 13 16-0400	MLF		12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	4,979.70 1,011.56	2,023.84
27 14 13 16-0401	MLF		24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	7,392.77 1,494.31	2,988.99
27 14 13 16-0402	MLF		25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	7,783.16 1,529.78	3,059.57
27 14 13 16-0403	MLF		36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	9,226.14 1,781.22	3,562.44
27 14 13 16-0404	MLF		40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	9,893.78 1,906.67	3,812.99
27 14 13 16-0405	MLF		50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	11,948.74 2,382.54	4,765.80
27 14 13 16-0406	MLF		100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	16,126.32 3,136.83	6,274.41

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0407 #22 AWG, Shielded, Low Voltage Cable, Installed Exposed <small>(27 14 13 16-0349)</small>		
27 14 13 16-0408 MLF 1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	1,764.56	982.80
<i>For Work In Restricted Working Space, Add</i>	491.22	
27 14 13 16-0409 MLF 2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	1,869.64	1,018.09
<i>For Work In Restricted Working Space, Add</i>	508.69	
27 14 13 16-0410 MLF 3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	1,994.33	1,053.38
<i>For Work In Restricted Working Space, Add</i>	526.69	
27 14 13 16-0411 MLF 4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,127.93	1,088.67
<i>For Work In Restricted Working Space, Add</i>	544.69	
27 14 13 16-0412 MLF 5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,338.02	1,162.78
<i>For Work In Restricted Working Space, Add</i>	581.21	
27 14 13 16-0413 MLF 6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,548.06	1,231.59
<i>For Work In Restricted Working Space, Add</i>	616.15	
27 14 13 16-0414 Triad, Installed Exposed <small>(27 14 13 16-0349)</small>		
27 14 13 16-0415 MLF 1 Triad #16 AWG, Stranded, Low Voltage, Placed In Conduit.....	1,688.48	731.36
27 14 13 16-0416 MLF 4 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit.....	2,251.28	1,011.91
27 14 13 16-0417 MLF 8 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit.....	3,442.68	1,494.50
27 14 13 16-0418 MLF 12 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit.....	4,218.41	1,781.22
27 14 13 16-0419 MLF 24 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit.....	6,771.14	2,759.61
27 14 13 16-0420 MLF 36 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit.....	7,757.20	3,137.20
27 14 13 16-0421 Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <small>(27 14 13 16-0276)</small>		
27 14 13 16-0422 #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <small>(27 14 13 16-0421)</small>		
27 14 13 16-0423 MLF 1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,525.38	764.01
<i>For Work In Restricted Working Space, Add</i>	381.92	
27 14 13 16-0424 MLF 2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,784.55	791.36
<i>For Work In Restricted Working Space, Add</i>	395.68	
27 14 13 16-0425 MLF 3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,013.52	818.71
<i>For Work In Restricted Working Space, Add</i>	409.44	
27 14 13 16-0426 MLF 4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,254.88	846.94
<i>For Work In Restricted Working Space, Add</i>	423.47	
27 14 13 16-0427 MLF 5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,531.47	903.40
<i>For Work In Restricted Working Space, Add</i>	451.52	
27 14 13 16-0428 MLF 6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,788.22	959.87
<i>For Work In Restricted Working Space, Add</i>	479.84	
27 14 13 16-0429 MLF 8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,042.72	1,074.55
<i>For Work In Restricted Working Space, Add</i>	537.28	
27 14 13 16-0430 MLF 12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,029.03	1,415.97
<i>For Work In Restricted Working Space, Add</i>	707.99	
27 14 13 16-0431 MLF 24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,990.17	2,091.77
<i>For Work In Restricted Working Space, Add</i>	1,045.97	
27 14 13 16-0432 #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <small>(27 14 13 16-0421)</small>		
27 14 13 16-0433 MLF 1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,359.38	681.96
<i>For Work In Restricted Working Space, Add</i>	341.16	
27 14 13 16-0434 MLF 2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,587.80	706.67
<i>For Work In Restricted Working Space, Add</i>	353.33	
27 14 13 16-0435 MLF 3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,789.61	731.36
<i>For Work In Restricted Working Space, Add</i>	365.51	
27 14 13 16-0436 MLF 4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,003.32	756.07
<i>For Work In Restricted Working Space, Add</i>	378.21	
27 14 13 16-0437 MLF 5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,248.36	806.36
<i>For Work In Restricted Working Space, Add</i>	403.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0438 MLF 6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,476.01	857.52
<i>For Work In Restricted Working Space, Add</i>	<i>428.76</i>	
27 14 13 16-0439 MLF 7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,588.47	908.70
<i>For Work In Restricted Working Space, Add</i>	<i>454.17</i>	
27 14 13 16-0440 MLF 8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,773.08	959.87
<i>For Work In Restricted Working Space, Add</i>	<i>479.84</i>	
27 14 13 16-0441 MLF 9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,070.03	1,020.74
<i>For Work In Restricted Working Space, Add</i>	<i>510.25</i>	
27 14 13 16-0442 MLF 12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,576.99	1,264.23
<i>For Work In Restricted Working Space, Add</i>	<i>632.16</i>	
27 14 13 16-0443 MLF 24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,318.06	1,867.68
<i>For Work In Restricted Working Space, Add</i>	<i>934.01</i>	
27 14 13 16-0444 #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 14 13 16-0421)		
27 14 13 16-0445 MLF 1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,185.89	599.91
<i>For Work In Restricted Working Space, Add</i>	<i>300.14</i>	
27 14 13 16-0446 MLF 2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,369.14	621.97
<i>For Work In Restricted Working Space, Add</i>	<i>310.99</i>	
27 14 13 16-0447 MLF 3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,482.04	644.03
<i>For Work In Restricted Working Space, Add</i>	<i>321.84</i>	
27 14 13 16-0448 MLF 4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,633.32	665.20
<i>For Work In Restricted Working Space, Add</i>	<i>332.69</i>	
27 14 13 16-0449 MLF 5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,810.62	710.20
<i>For Work In Restricted Working Space, Add</i>	<i>355.19</i>	
27 14 13 16-0450 MLF 6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,987.04	755.19
<i>For Work In Restricted Working Space, Add</i>	<i>377.42</i>	
27 14 13 16-0451 MLF 8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,404.72	844.29
<i>For Work In Restricted Working Space, Add</i>	<i>422.15</i>	
27 14 13 16-0452 MLF 12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,119.82	1,112.49
<i>For Work In Restricted Working Space, Add</i>	<i>556.33</i>	
27 14 13 16-0453 MLF 24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,121.37	1,643.59
<i>For Work In Restricted Working Space, Add</i>	<i>821.79</i>	
27 14 13 16-0454 #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 14 13 16-0421)		
27 14 13 16-0455 MLF 1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,040.48	546.10
<i>For Work In Restricted Working Space, Add</i>	<i>272.87</i>	
27 14 13 16-0456 MLF 2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,165.37	565.51
<i>For Work In Restricted Working Space, Add</i>	<i>282.67</i>	
27 14 13 16-0457 MLF 3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,382.76	644.03
<i>For Work In Restricted Working Space, Add</i>	<i>321.84</i>	
27 14 13 16-0458 MLF 4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,530.22	677.02
<i>For Work In Restricted Working Space, Add</i>	<i>338.51</i>	
27 14 13 16-0459 MLF 5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,674.39	710.20
<i>For Work In Restricted Working Space, Add</i>	<i>355.19</i>	
27 14 13 16-0460 MLF 6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,826.07	755.19
<i>For Work In Restricted Working Space, Add</i>	<i>377.42</i>	
27 14 13 16-0461 MLF 8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,007.83	840.41
<i>For Work In Restricted Working Space, Add</i>	<i>420.29</i>	
27 14 13 16-0462 MLF 12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,483.47	1,011.91
<i>For Work In Restricted Working Space, Add</i>	<i>505.78</i>	
27 14 13 16-0463 MLF 24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,686.83	1,494.50
<i>For Work In Restricted Working Space, Add</i>	<i>747.16</i>	
27 14 13 16-0464 MLF 25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,880.95	1,529.79
<i>For Work In Restricted Working Space, Add</i>	<i>764.89</i>	

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0465 MLF 36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,600.03	1,781.22
<i>For Work In Restricted Working Space, Add</i>	890.61	
27 14 13 16-0466 MLF 40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,932.84	1,906.50
<i>For Work In Restricted Working Space, Add</i>	953.33	
27 14 13 16-0467 MLF 50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,958.47	2,382.90
<i>For Work In Restricted Working Space, Add</i>	1,191.27	
27 14 13 16-0468 MLF 100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	8,040.68	3,137.20
<i>For Work In Restricted Working Space, Add</i>	1,568.42	
27 14 13 16-0469 #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 14 13 16-0421)		
27 14 13 16-0470 MLF 1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	905.50	491.40
<i>For Work In Restricted Working Space, Add</i>	245.61	
27 14 13 16-0471 MLF 2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	966.58	509.04
<i>For Work In Restricted Working Space, Add</i>	254.35	
27 14 13 16-0472 MLF 3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,046.67	526.69
<i>For Work In Restricted Working Space, Add</i>	263.35	
27 14 13 16-0473 MLF 4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,134.19	544.33
<i>For Work In Restricted Working Space, Add</i>	272.34	
27 14 13 16-0474 MLF 5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,248.88	581.39
<i>For Work In Restricted Working Space, Add</i>	290.61	
27 14 13 16-0475 MLF 6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,372.55	615.80
<i>For Work In Restricted Working Space, Add</i>	308.08	
27 14 13 16-0476 Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 14 13 16-0276)		
27 14 13 16-0477 #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 14 13 16-0476)		
27 14 13 16-0478 MLF 1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,798.43	1,528.02
<i>For Work In Restricted Working Space, Add</i>	763.83	
27 14 13 16-0479 MLF 2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,103.48	1,582.71
<i>For Work In Restricted Working Space, Add</i>	791.36	
27 14 13 16-0480 MLF 3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,378.32	1,637.41
<i>For Work In Restricted Working Space, Add</i>	818.88	
27 14 13 16-0481 MLF 4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,666.44	1,693.88
<i>For Work In Restricted Working Space, Add</i>	846.94	
27 14 13 16-0482 MLF 5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,036.55	1,806.81
<i>For Work In Restricted Working Space, Add</i>	903.05	
27 14 13 16-0483 MLF 6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,387.70	1,919.73
<i>For Work In Restricted Working Space, Add</i>	959.69	
27 14 13 16-0484 MLF 8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,833.64	2,149.11
<i>For Work In Restricted Working Space, Add</i>	1,074.55	
27 14 13 16-0485 MLF 12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,388.98	2,831.95
<i>For Work In Restricted Working Space, Add</i>	1,415.97	
27 14 13 16-0486 MLF 24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	9,476.74	4,183.52
<i>For Work In Restricted Working Space, Add</i>	2,091.94	
27 14 13 16-0487 #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 14 13 16-0476)		
27 14 13 16-0488 MLF 1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,496.58	1,363.92
<i>For Work In Restricted Working Space, Add</i>	682.32	
27 14 13 16-0489 MLF 2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,765.58	1,413.33
<i>For Work In Restricted Working Space, Add</i>	706.67	
27 14 13 16-0490 MLF 3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,007.97	1,462.74
<i>For Work In Restricted Working Space, Add</i>	731.02	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0491	MLF	4	Pair	#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,264.02 756.42	1,512.14
27 14 13 16-0492	MLF	5	Pair	#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,592.87 806.71	1,612.71
27 14 13 16-0493	MLF	6	Pair	#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,905.22 857.53	1,715.05
27 14 13 16-0494	MLF	7	Pair	#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	4,102.38 908.34	1,817.39
27 14 13 16-0495	MLF	8	Pair	#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	4,372.56 959.69	1,919.73
27 14 13 16-0496	MLF	9	Pair	#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	4,770.89 1,020.51	2,041.48
27 14 13 16-0497	MLF	12	Pair	#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	5,684.19 1,264.32	2,528.47
27 14 13 16-0498	MLF	24	Pair	#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	8,431.43 1,868.03	3,735.35
27 14 13 16-0499 #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <small>(27 14 13 16-0476)</small>						
27 14 13 16-0500	MLF	1	Pair	#18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,186.34 600.27	1,199.83
27 14 13 16-0501	MLF	2	Pair	#18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,405.76 621.97	1,243.95
27 14 13 16-0502	MLF	3	Pair	#18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,554.83 643.67	1,288.05
27 14 13 16-0503	MLF	4	Pair	#18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,742.28 665.38	1,330.40
27 14 13 16-0504	MLF	5	Pair	#18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,994.58 710.37	1,420.38
27 14 13 16-0505	MLF	6	Pair	#18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,245.09 754.83	1,510.37
27 14 13 16-0506	MLF	8	Pair	#18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,811.87 844.29	1,688.59
27 14 13 16-0507	MLF	12	Pair	#18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	4,974.27 1,112.67	2,224.98
27 14 13 16-0508	MLF	24	Pair	#18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	6,860.68 1,643.59	3,287.18
27 14 13 16-0509 #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <small>(27 14 13 16-0476)</small>						
27 14 13 16-0510	MLF	1	Pair	#20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,950.05 545.75	1,092.20
27 14 13 16-0511	MLF	2	Pair	#20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,107.59 565.33	1,131.02
27 14 13 16-0512	MLF	3	Pair	#20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,455.55 643.67	1,288.05
27 14 13 16-0513	MLF	4	Pair	#20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,658.59 677.02	1,354.05
27 14 13 16-0514	MLF	5	Pair	#20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,858.35 710.37	1,420.38
27 14 13 16-0515	MLF	6	Pair	#20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,084.12 754.83	1,510.37
27 14 13 16-0516	MLF	8	Pair	#20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,408.80 840.59	1,680.82
27 14 13 16-0517	MLF	12	Pair	#20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	4,169.41 1,011.56	2,023.84



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0518 MLF 24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,177.34	2,988.99
<i>For Work In Restricted Working Space, Add</i>	1,494.31	
27 14 13 16-0519 MLF 25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,430.57	3,059.57
<i>For Work In Restricted Working Space, Add</i>	1,529.78	
27 14 13 16-0520 MLF 36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,568.73	3,562.44
<i>For Work In Restricted Working Space, Add</i>	1,781.22	
27 14 13 16-0521 MLF 40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,110.63	3,812.99
<i>For Work In Restricted Working Space, Add</i>	1,906.67	
27 14 13 16-0522 MLF 50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	9,929.37	4,765.80
<i>For Work In Restricted Working Space, Add</i>	2,382.54	
27 14 13 16-0523 MLF 100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	13,268.72	6,274.41
<i>For Work In Restricted Working Space, Add</i>	3,136.83	
27 14 13 16-0524 #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <small>(27 14 13 16-0476)</small>		
27 14 13 16-0525 MLF 1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,724.20	982.80
<i>For Work In Restricted Working Space, Add</i>	491.22	
27 14 13 16-0526 MLF 2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,814.40	1,018.09
<i>For Work In Restricted Working Space, Add</i>	508.69	
27 14 13 16-0527 MLF 3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,924.48	1,053.38
<i>For Work In Restricted Working Space, Add</i>	526.69	
27 14 13 16-0528 MLF 4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,042.01	1,088.67
<i>For Work In Restricted Working Space, Add</i>	544.69	
27 14 13 16-0529 MLF 5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,217.57	1,162.78
<i>For Work In Restricted Working Space, Add</i>	581.21	
27 14 13 16-0530 MLF 6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,399.46	1,231.59
<i>For Work In Restricted Working Space, Add</i>	616.15	
27 14 13 16-0531 Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench <small>(27 14 13 16-0276)</small>		
Note: Excludes excavation.		
27 14 13 16-0532 MLF 1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench.....	1,663.28	
27 14 13 16-0533 MLF 2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench.....	2,133.80	
27 14 13 16-0534 MLF 3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench.....	2,544.48	
27 14 13 16-0535 MLF 4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench.....	2,979.90	
27 14 13 16-0536 MLF 5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench.....	3,434.88	
27 14 13 16-0537 MLF 6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench.....	3,847.46	
27 14 13 16-0538 Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial) <small>(27 14 13 16-0276)</small>		
27 14 13 16-0539 MLF 1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	1,748.67	471.12
27 14 13 16-0540 MLF 2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	2,267.24	504.73
27 14 13 16-0541 MLF 3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	2,987.24	638.08
27 14 13 16-0542 MLF 4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	3,642.66	738.02
27 14 13 16-0543 MLF 5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	5,881.05	841.19
27 14 13 16-0544 MLF 6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	7,075.64	1,074.68
27 14 13 16-0545 Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <small>(27 14 13 16-0276)</small>		
27 14 13 16-0546 MLF 1 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,294.42	681.96
27 14 13 16-0547 MLF 2 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,548.92	706.67
27 14 13 16-0548 MLF 3 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,729.07	731.36
27 14 13 16-0549 MLF 4 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,827.08	756.07
27 14 13 16-0550 MLF 5 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,180.50	806.36
27 14 13 16-0551 MLF 6 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,357.09	857.52
27 14 13 16-0552 MLF 8 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,935.63	959.87
27 14 13 16-0553 MLF 12 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,655.97	1,264.23



Communications	27
Structured Cabling	27 10
Communications Cabling	27 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0554 MLF 24 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,544.44	1,867.68
27 14 13 16-0555 MLF 1 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,119.75	599.91
27 14 13 16-0556 MLF 2 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,328.88	621.97
27 14 13 16-0557 MLF 3 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,502.37	644.03
27 14 13 16-0558 MLF 4 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,589.75	665.20
27 14 13 16-0559 MLF 5 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,891.86	710.20
27 14 13 16-0560 MLF 6 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,119.08	755.19
27 14 13 16-0561 MLF 8 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,392.51	844.29
27 14 13 16-0562 MLF 12 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,094.15	1,112.49
27 14 13 16-0563 MLF 24 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,926.24	1,643.59
27 14 13 16-0564 MLF 1 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	991.23	546.10
27 14 13 16-0565 MLF 2 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,124.83	565.51
27 14 13 16-0566 MLF 3 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,254.37	584.92
27 14 13 16-0567 MLF 4 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,337.23	605.21
27 14 13 16-0568 MLF 5 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,454.49	645.80
27 14 13 16-0569 MLF 6 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,585.68	686.37
27 14 13 16-0570 MLF 8 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,775.83	767.53
27 14 13 16-0571 MLF 12 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,443.09	1,011.91
27 14 13 16-0572 MLF 24 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,706.79	1,494.50
27 14 13 16-0573 MLF 25 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,903.06	1,529.79
27 14 13 16-0574 MLF 36 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,601.66	1,781.22
27 14 13 16-0575 MLF 40 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,962.13	1,906.50
27 14 13 16-0576 MLF 50 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,991.64	2,382.90
27 14 13 16-0577 MLF 100 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	8,087.61	3,137.20
27 14 13 16-0578 MLF 250 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	15,586.60	5,778.59
27 14 13 16-0579 MLF 500 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	23,398.52	7,647.16
27 14 13 16-0580 MLF 750 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	31,249.61	9,636.58
27 14 13 16-0581 MLF 1200 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	43,961.62	13,218.43
27 14 13 16-0582 MLF 1 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	961.81	546.10
27 14 13 16-0583 MLF 2 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,059.03	565.51
27 14 13 16-0584 MLF 3 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,153.66	584.92
27 14 13 16-0585 MLF 4 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,218.74	605.21
27 14 13 16-0586 MLF 5 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,318.23	645.80
27 14 13 16-0587 MLF 6 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,426.30	686.37
27 14 13 16-0588 MLF 8 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,596.89	767.53
27 14 13 16-0589 MLF 12 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,170.28	1,011.91
27 14 13 16-0590 MLF 24 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,268.54	1,494.50
27 14 13 16-0591 MLF 25 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,415.39	1,529.79
27 14 13 16-0592 MLF 36 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,029.64	1,781.22
27 14 13 16-0593 MLF 40 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,319.18	1,906.50
27 14 13 16-0594 MLF 50 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,263.51	2,382.90
27 14 13 16-0595 MLF 100 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,057.25	3,137.20

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0596 MLF 250 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	13,406.09	5,778.59
27 14 13 16-0597 MLF 500 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	19,548.79	7,647.16
27 14 13 16-0598 MLF 750 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	25,762.24	9,636.58
27 14 13 16-0599 MLF 1200 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	36,039.60	13,218.43
27 14 13 16-0600 Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <small>(27 14 13 16-0276)</small>		
27 14 13 16-0601 MLF 1 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,322.13	681.96
27 14 13 16-0602 MLF 2 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,509.38	706.67
27 14 13 16-0603 MLF 3 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,626.49	731.36
27 14 13 16-0604 MLF 4 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,782.74	756.07
27 14 13 16-0605 MLF 5 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,970.36	806.36
27 14 13 16-0606 MLF 6 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,156.20	857.52
27 14 13 16-0607 MLF 8 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,594.31	959.87
27 14 13 16-0608 MLF 12 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,370.30	1,264.23
27 14 13 16-0609 MLF 24 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,026.51	1,867.68
27 14 13 16-0610 MLF 1 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,157.65	599.91
27 14 13 16-0611 MLF 2 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,318.49	621.97
27 14 13 16-0612 MLF 3 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,419.70	644.03
27 14 13 16-0613 MLF 4 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,553.45	665.20
27 14 13 16-0614 MLF 5 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,715.17	710.20
27 14 13 16-0615 MLF 6 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,876.01	755.19
27 14 13 16-0616 MLF 8 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,252.76	844.29
27 14 13 16-0617 MLF 12 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,927.71	1,112.49
27 14 13 16-0618 MLF 24 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,365.47	1,643.59
27 14 13 16-0619 MLF 1 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,020.54	546.10
27 14 13 16-0620 MLF 2 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,159.04	565.51
27 14 13 16-0621 MLF 3 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,256.73	584.92
27 14 13 16-0622 MLF 4 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,432.33	605.21
27 14 13 16-0623 MLF 5 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,589.04	645.80
27 14 13 16-0624 MLF 6 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,886.16	686.37
27 14 13 16-0625 MLF 8 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,108.25	767.53
27 14 13 16-0626 MLF 12 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,668.01	1,011.91
27 14 13 16-0627 MLF 24 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,021.03	1,494.50
27 14 13 16-0628 MLF 25 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,251.85	1,529.79
27 14 13 16-0629 MLF 36 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,054.68	1,781.22
27 14 13 16-0630 MLF 40 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,421.98	1,906.50
27 14 13 16-0631 MLF 50 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,512.39	2,382.90
27 14 13 16-0632 MLF 100 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	8,824.54	3,137.20
27 14 13 16-0633 MLF 250 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	17,146.64	5,778.59
27 14 13 16-0634 MLF 500 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	26,152.57	7,647.16
27 14 13 16-0635 MLF 750 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	35,174.76	9,636.58
27 14 13 16-0636 MLF 1200 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	49,628.31	13,217.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0637 MLF 1 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	980.56	546.10
27 14 13 16-0638 MLF 2 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,080.92	565.51
27 14 13 16-0639 MLF 3 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,155.17	584.92
27 14 13 16-0640 MLF 4 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,279.57	605.21
27 14 13 16-0641 MLF 5 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,404.29	645.80
27 14 13 16-0642 MLF 6 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,618.52	686.37
27 14 13 16-0643 MLF 8 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,809.54	767.53
27 14 13 16-0644 MLF 12 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,314.15	1,011.91
27 14 13 16-0645 MLF 24 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,469.56	1,494.50
27 14 13 16-0646 MLF 25 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,638.50	1,529.79
27 14 13 16-0647 MLF 36 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,303.05	1,781.22
27 14 13 16-0648 MLF 40 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,613.34	1,906.50
27 14 13 16-0649 MLF 50 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,596.63	2,382.90
27 14 13 16-0650 MLF 100 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	7,528.65	3,137.20
27 14 13 16-0651 MLF 250 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	14,403.94	5,778.59
27 14 13 16-0652 MLF 500 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	21,310.53	7,647.16
27 14 13 16-0653 MLF 750 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	28,273.43	9,636.58
27 14 13 16-0654 MLF 1200 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	39,665.18	13,218.43
27 14 13 16-0655 Sound System Cables <small>(27 14 13 16)</small> Note: Cables shall be type CL2 or CM and as manufactured by West Penn Wire, Belden or approved equal.		
27 14 13 16-0656 Speaker/Communications And Control Cable, Installed Exposed <small>(27 14 13 16-0655)</small>		
27 14 13 16-0657 Non-Plenum Rated Speaker/Communications And Control Cable, Installed Exposed <small>(27 14 13 16-0656)</small>		
27 14 13 16-0658 MLF 2/c #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,433.78	617.56
<i>For Work In Restricted Working Space, Add</i>	370.54	
27 14 13 16-0659 MLF 2/c #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,366.78	617.56
<i>For Work In Restricted Working Space, Add</i>	370.54	
27 14 13 16-0660 MLF 2/c #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,315.09	617.56
<i>For Work In Restricted Working Space, Add</i>	370.54	
27 14 13 16-0661 MLF 4/c #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,371.62	617.56
<i>For Work In Restricted Working Space, Add</i>	370.54	
27 14 13 16-0662 MLF 4/c #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,553.28	617.56
<i>For Work In Restricted Working Space, Add</i>	370.54	
27 14 13 16-0663 MLF 6/c #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,734.34	617.56
<i>For Work In Restricted Working Space, Add</i>	370.54	
27 14 13 16-0664 MLF 4/c #20 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,554.04	617.56
<i>For Work In Restricted Working Space, Add</i>	370.54	
27 14 13 16-0665 MLF 4/c #22 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,466.81	617.56
<i>For Work In Restricted Working Space, Add</i>	370.54	
27 14 13 16-0666 Plenum Rated Speaker/Communications And Control Cable, Installed Exposed <small>(27 14 13 16-0656)</small>		
27 14 13 16-0667 MLF 2/c #16 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,461.47	617.56
<i>For Work In Restricted Working Space, Add</i>	370.54	
27 14 13 16-0668 MLF 2/c #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,384.39	617.56
<i>For Work In Restricted Working Space, Add</i>	370.54	
27 14 13 16-0669 MLF 2/c #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,340.75	617.56
<i>For Work In Restricted Working Space, Add</i>	370.54	
27 14 13 16-0670 MLF 4/c #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,413.56	617.56
<i>For Work In Restricted Working Space, Add</i>	370.54	

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0671 MLF 8/c #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,567.37 370.54	617.56
For Work In Restricted Working Space, Add		
27 14 13 16-0672 MLF 2/c #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,550.40 370.54	617.56
For Work In Restricted Working Space, Add		
27 14 13 16-0673 MLF 2/c #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,443.78 370.54	617.56
For Work In Restricted Working Space, Add		
27 14 13 16-0674 MLF 4/c #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,625.02 370.54	617.56
For Work In Restricted Working Space, Add		
27 14 13 16-0675 MLF 6/c #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,805.76 370.54	617.56
For Work In Restricted Working Space, Add		
27 14 13 16-0676 MLF 2/c #22 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,362.63 370.54	617.56
For Work In Restricted Working Space, Add		
27 14 13 16-0677 MLF 2/c #20 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,398.65 370.54	617.56
For Work In Restricted Working Space, Add		
27 14 13 16-0678 Speaker/Communications And Control Cable, Installed In Conduit (27 14 13 16-0655)		
27 14 13 16-0679 Non-Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit (27 14 13 16-0678)		
27 14 13 16-0680 MLF 2/c #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	816.22	308.78
27 14 13 16-0681 MLF 2/c #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	749.22	308.78
27 14 13 16-0682 MLF 2/c #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	697.53	308.78
27 14 13 16-0683 MLF 4/c #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	754.06	308.78
27 14 13 16-0684 MLF 4/c #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	935.72	308.78
27 14 13 16-0685 MLF 6/c #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,116.78	308.78
27 14 13 16-0686 MLF 4/c #20AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit.....	936.48	308.78
27 14 13 16-0687 MLF 4/c #22 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit.....	849.25	308.78
27 14 13 16-0688 Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit (27 14 13 16-0678)		
27 14 13 16-0689 MLF 2/c #6 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	843.91	308.78
27 14 13 16-0690 MLF 2/c #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	766.83	308.78
27 14 13 16-0691 MLF 2/c #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	723.19	308.78
27 14 13 16-0692 MLF 4/c #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	796.00	308.78
27 14 13 16-0693 MLF 8/c #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	949.81	308.78
27 14 13 16-0694 MLF 2/c #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	932.84	308.78
27 14 13 16-0695 MLF 2/c #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	826.22	308.78
27 14 13 16-0696 MLF 4/c #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,007.46	308.78
27 14 13 16-0697 MLF 6/c #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,188.20	308.78
27 14 13 16-0698 MLF 2/c #20 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit.....	781.09	308.78
27 14 13 16-0699 MLF 2/c #22 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit.....	745.07	308.78
27 14 23 Communications Optical Fiber Cabling (27 14)		
27 14 23 13 Communications Optical Fiber Splicing And Terminations (27 14 23)		
27 14 23 13-0001 Fiber Optic Cable Connectors (27 14 23 13)		
27 14 23 13-0002 EA ST Connector For Multimode Fiber Optic Cable.....	26.76	
27 14 23 13-0003 EA ST Connector For Singlemode Fiber Optic Cable.....	30.47	
27 14 23 13-0004 EA SC Connector For Multimode Fiber Optic Cable.....	29.51	
27 14 23 13-0005 EA SC Connector For Singlemode Fiber Optic Cable.....	34.24	
27 14 23 13-0006 EA LC Connector For Multimode Fiber Optic Cable.....	40.03	
27 14 23 13-0007 EA LC Connector For Singlemode Fiber Optic Cable.....	41.13	
27 14 23 13-0008 EA MT-RJ Connector For Multimode Fiber Optic Cable.....	58.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 13-0009 Fiber Optic Cable Fan Out Kits <small>(27 14 23 13)</small>		
27 14 23 13-0010 Buffer Tube Fan Out Kits For Fiber Optic Cable <small>(27 14 23 13-0009)</small>		
27 14 23 13-0011 EA 6-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable	207.51	
27 14 23 13-0012 EA 12-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable	210.28	
27 14 23 13-0013 EA 6-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	233.69	
27 14 23 13-0014 EA 12-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	251.24	
27 14 23 13-0015 Spider Fan Out Kits For Fiber Optic Cable <small>(27 14 23 13-0009)</small>		
Note: For tight buffered or loose tube non-armored cables. Includes aramid yarn strength member, outer protective PVDF jacket and one meter fan out lengths.		
27 14 23 13-0016 EA 6-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	241.65	
27 14 23 13-0017 EA 12-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	260.25	
27 14 23 13-0018 EA 18-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	381.09	
27 14 23 13-0019 EA 24-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	496.18	
27 14 23 13-0020 Fiber Optic Cable Splice Closures <small>(27 14 23 13)</small>		
Note: Includes mounting hardware. Excludes splicing and splice trays.		
27 14 23 13-0021 EA Up To 144-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure	599.95	96.51
27 14 23 13-0022 EA Up To 144-Fiber Capacity, Underground Fiber Optic Cable Splice Closure	792.95	193.00
27 14 23 13-0023 EA Up To 144-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure.....	792.95	193.00
27 14 23 13-0024 EA Up To 288-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure.....	968.16	96.51
27 14 23 13-0025 EA Up To 288-Fiber Capacity, Underground Fiber Optic Cable Splice Closure	1,161.16	193.00
27 14 23 13-0026 EA Up To 288-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure.....	1,161.16	193.00
27 14 23 13-0027 EA Splice Tray For Fiber Optic Cable Splice Closure.....	44.64	12.06
Note: Up to 12-fiber, mechanical or fusion splice tray. Excludes splice.		
27 14 23 13-0028 Fiber Optic Cable Splicing <small>(27 14 23 13)</small>		
27 14 23 13-0029 EA Single Strand, Fusion Splice Of Fiber Optic Cable	28.95	
27 14 23 13-0030 EA 12-Strand Ribbon, Fusion Splice Of Fiber Optic Cable.....	96.51	
27 14 23 13-0031 Fiber Optic Cable Testing <small>(27 14 23 13)</small>		
Note: Price based on testing one wavelength.		
27 14 23 13-0032 Fiber Optic Cable Testing Using An OTDR <small>(27 14 23 13-0031)</small>		
Note: Testing using an optical time domain reflectometer.		
27 14 23 13-0033 EA Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test	19.30	
For >12 To 48 Strands, Deduct		-1.45
For >48 Strands, Deduct		-1.93
27 14 23 13-0034 EA Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test	28.95	
For >12 To 48 Strands, Deduct		-2.17
For >48 Strands, Deduct		-2.90
27 14 23 13-0035 EA Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test With Documentation	48.25	
For >12 To 48 Strands, Deduct		-3.62
For >48 Strands, Deduct		-4.83
27 14 23 13-0036 EA Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test With Documentation	72.38	
For >12 To 48 Strands, Deduct		-5.43
For >48 Strands, Deduct		-7.24
27 14 23 13-0037 Fiber Optic Cable Testing Using A Power Meter <small>(27 14 23 13-0031)</small>		
27 14 23 13-0038 EA Test 1-Strand Of Fiber Optic Cable Using A Single Directional Power Meter Test	19.30	
For >12 To 48 Strands, Deduct		-1.45
For >48 Strands, Deduct		-1.93
27 14 23 13-0039 EA Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional Power Meter Test	28.95	
For >12 To 48 Strands, Deduct		-2.17
For >48 Strands, Deduct		-2.90
27 14 23 13-0040 Fiber Optic Cable Light Source/Continuity Testing <small>(27 14 23 13-0031)</small>		
27 14 23 13-0041 EA Test 1-Strand Of Fiber Optic Cable Using A Light Source/Continuity Test	19.30	
For >12 To 48 Strands, Deduct		-1.45
For >48 Strands, Deduct		-1.93
27 14 23 13-0042 Other Fiber Optic Cable Equipment <small>(27 14 23 13)</small>		
27 14 23 13-0043 EA 8 Port Ethernet Switch	682.21	189.85
27 14 23 13-0044 EA 18 dBi Gain, 5.25-5.85 GHZ Band, 18 Degree Beamwidth.....	915.16	189.85
Note: Patch antenna with 1 meter 3' SMA-N cable		
27 14 23 13-0045 EA Outdoor Multi Band 5.3 Or 5.8 GHz Wireless Ethernet Bridge	19,841.18	189.85
Note: 8VDC input		
27 14 23 13-0046 EA UPS, 500 VA 300 Watt UPS For CCTV, Edco PA400-120U	210.64	23.77
27 14 23 13-0047 EA Hardened Ethernet Switch	2,136.48	95.04
27 14 23 13-0048 EA 1,440 Watt, 120 Volt AC Solar Power Station.....	55,221.45	2,281.01
27 14 23 13-0049 EA 2,880 Watt, 120 Volt AC Solar Power Station.....	68,703.24	3,041.35
27 14 23 13-0050 EA Fiber Break Out Box For 24 Fiber.....	984.27	190.08

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 13-0051 EA Fiber Optic MM Data (PTZ or SYNC) 1300 Video 850, 1 Fiber, RM.....	1,059.99	95.04
27 14 23 13-0052 EA Fiber Optic MM Data (PTZ or SYNC) 850 Video 850, 2 Fibers.....	896.88	95.04
27 14 23 13-0053 EA Fiber Optic 19" Rack, 115 Volt AC Input.....	1,155.03	142.56
27 14 23 13-0054 EA Commercial Gigabit Media Converter, Ethernet RJ45 to Fiber Optic. Shelf, Wall or Chassis Mount, 100VAC - 260VAC, Power Module Included. Gigabit Ports: 1 x 1000TX & 1 x 1000LX SM 20KM, (Etherwan Systems).....	847.99	
27 14 23 13-0055 EA Media Converter Chassis (Etherwan Systems), 16 Slots for any Standard Size Media Converter, 19" Rack Mount Redundant Power Supplies, Power Option 100VAC - 260VAC.....	847.99	
27 14 23 13-0056 Other Fiber Optic Cable Splicing (27 14 23 13)		
27 14 23 13-0057 EA Fiber Optic Finger Splice	32.23	18.14
27 14 23 13-0058 EA Fiber Optic Splice Box - Manholes.....	4,600.55	
27 14 23 16 Communications Optical Fiber Cabling (27 14 23)		
Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.		
27 14 23 16-0001 Indoor Fiber Optic Cable (27 14 23 16)		
Note: Distribution cables contain multiple tight-buffered fibers bundled under the same jacket with Kevlar strength members. Break-out cables contain multiple individually reinforced and jacketed simplex cables bundled together.		
27 14 23 16-0002 Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0001)		
Note: Excludes conduit or innerduct.		
27 14 23 16-0003 Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0002)		
27 14 23 16-0004 Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0003)		
27 14 23 16-0005 Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0004)		
27 14 23 16-0006 MLF 1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	859.31	347.41
27 14 23 16-0007 MLF 2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	943.78	347.41
27 14 23 16-0008 MLF 4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	971.99	347.41
27 14 23 16-0009 MLF 6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,072.43	347.41
<i>For Aluminum Armored Cable, Add</i>		
	886.13	
<i>For Steel Armored Cable, Add</i>		
	3,180.84	
27 14 23 16-0010 MLF 8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,101.23	347.41
27 14 23 16-0011 MLF 12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,275.31	347.41
<i>For Aluminum Armored Cable, Add</i>		
	953.58	
<i>For Steel Armored Cable, Add</i>		
	3,494.50	
27 14 23 16-0012 MLF 18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,214.39	405.31
27 14 23 16-0013 MLF 24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,144.29	405.31
<i>For Aluminum Armored Cable With Sub-Units, Add</i>		
	932.12	
<i>For Steel Armored Cable, Add</i>		
	6,062.44	
27 14 23 16-0014 MLF 36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,851.02	405.31
<i>For Aluminum Armored Cable With Sub-Units, Add</i>		
	889.07	
<i>For Steel Armored Cable, Add</i>		
	6,342.88	
27 14 23 16-0015 MLF 48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,988.09	405.31
<i>For Aluminum Armored Cable With Sub-Units, Add</i>		
	935.94	
<i>For Steel Armored Cable, Add</i>		
	6,631.37	
27 14 23 16-0016 MLF 60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,852.47	405.31
27 14 23 16-0017 MLF 72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,082.33	405.31
27 14 23 16-0018 MLF 96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,291.43	405.31
27 14 23 16-0019 MLF 120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,466.41	463.21
27 14 23 16-0020 MLF 144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,115.21	463.21
27 14 23 16-0021 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0004)		
27 14 23 16-0022 MLF 1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	883.63	347.41
27 14 23 16-0023 MLF 2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	931.01	347.41
27 14 23 16-0024 MLF 4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,140.01	347.41
27 14 23 16-0025 MLF 6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,360.01	347.41
<i>For Aluminum Armored Cable, Add</i>		
	944.74	
<i>For Steel Armored Cable, Add</i>		
	1,208.86	
27 14 23 16-0026 MLF 8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,569.01	347.41
27 14 23 16-0027 MLF 12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,998.01	347.41
<i>For Aluminum Armored Cable, Add</i>		
	1,021.22	
<i>For Steel Armored Cable, Add</i>		
	1,365.36	
27 14 23 16-0028 MLF 18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,204.51	405.31
27 14 23 16-0029 MLF 24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,755.51	405.31
<i>For Aluminum Armored Cable With Sub-Units, Add</i>		
	704.27	
<i>For Steel Armored Cable, Add</i>		
	704.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0030 MLF 36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,295.51	405.31
27 14 23 16-0031 MLF 48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,835.51	405.31
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	<i>1,256.30</i>	
27 14 23 16-0032 MLF 60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,375.51	405.31
27 14 23 16-0033 MLF 72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,915.51	405.31
27 14 23 16-0034 MLF 96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,006.51	405.31
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	<i>5,421.08</i>	
27 14 23 16-0035 MLF 120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,183.01	463.21
27 14 23 16-0036 MLF 144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	19,263.01	463.21
27 14 23 16-0037 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0004)		
27 14 23 16-0038 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	898.86	347.41
27 14 23 16-0039 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	948.61	347.41
27 14 23 16-0040 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,168.06	347.41
27 14 23 16-0041 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,399.06	347.41
27 14 23 16-0042 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,618.51	347.41
27 14 23 16-0043 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,068.96	347.41
27 14 23 16-0044 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,280.96	405.31
27 14 23 16-0045 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,909.51	405.31
27 14 23 16-0046 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,526.51	405.31
27 14 23 16-0047 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,143.51	405.31
27 14 23 16-0048 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,760.51	405.31
27 14 23 16-0049 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,377.51	405.31
27 14 23 16-0050 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,623.06	405.31
27 14 23 16-0051 MLF 120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,953.56	463.21
27 14 23 16-0052 MLF 144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	20,187.56	463.21
27 14 23 16-0053 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0003)		
27 14 23 16-0054 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0053)		
27 14 23 16-0055 MLF 2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,642.23	347.41
27 14 23 16-0056 MLF 4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,957.27	347.41
27 14 23 16-0057 MLF 6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,650.35	347.41
27 14 23 16-0058 MLF 8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,981.11	347.41
27 14 23 16-0059 MLF 12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,234.48	347.41
27 14 23 16-0060 MLF 18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,519.13	405.31
27 14 23 16-0061 MLF 24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,970.91	405.31
27 14 23 16-0062 MLF 36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,850.82	405.31
27 14 23 16-0063 MLF 48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,095.44	405.31
27 14 23 16-0064 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0053)		
27 14 23 16-0065 MLF 2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,770.63	347.41
27 14 23 16-0066 MLF 4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,146.35	347.41
27 14 23 16-0067 MLF 6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,765.81	347.41
27 14 23 16-0068 MLF 8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,686.51	347.41
27 14 23 16-0069 MLF 12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,066.31	347.41
27 14 23 16-0070 MLF 18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,434.11	405.31
27 14 23 16-0071 MLF 24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,809.46	405.31
27 14 23 16-0072 MLF 36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,757.31	405.31

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0073 MLF 48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,807.51	405.31
27 14 23 16-0074 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0053)		
27 14 23 16-0075 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,830.21	347.41
27 14 23 16-0076 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,224.71	347.41
27 14 23 16-0077 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,875.15	347.41
27 14 23 16-0078 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,841.89	347.41
27 14 23 16-0079 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,240.67	347.41
27 14 23 16-0080 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,672.04	405.31
27 14 23 16-0081 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,116.16	405.31
27 14 23 16-0082 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,111.40	405.31
27 14 23 16-0083 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,364.11	405.31
27 14 23 16-0084 Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0002)		
27 14 23 16-0085 Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0084)		
27 14 23 16-0086 Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0085)		
27 14 23 16-0087 MLF 1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	856.91	347.41
27 14 23 16-0088 MLF 2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	861.11	347.41
27 14 23 16-0089 MLF 4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,081.26	347.41
27 14 23 16-0090 MLF 6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,107.02	347.41
<i>For Aluminum Armored Cable, Add</i>	988.85	
<i>For Steel Armored Cable, Add</i>	3,539.79	
27 14 23 16-0091 MLF 8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,236.70	347.41
27 14 23 16-0092 MLF 12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,260.96	347.41
<i>For Aluminum Armored Cable, Add</i>	1,046.17	
<i>For Steel Armored Cable, Add</i>	3,772.00	
27 14 23 16-0093 MLF 18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,898.71	405.31
27 14 23 16-0094 MLF 24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,732.41	405.31
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	370.52	
<i>For Steel Armored Cable, Add</i>	3,400.82	
27 14 23 16-0095 MLF 36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,939.12	405.31
27 14 23 16-0096 MLF 48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,094.56	405.31
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	481.25	
<i>For Steel Armored Cable, Add</i>	3,872.02	
27 14 23 16-0097 MLF 60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,359.56	405.31
27 14 23 16-0098 MLF 72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,710.18	405.31
27 14 23 16-0099 MLF 96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,517.04	405.31
27 14 23 16-0100 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0085)		
27 14 23 16-0101 MLF 1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	881.99	347.41
27 14 23 16-0102 MLF 2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,001.74	347.41
27 14 23 16-0103 MLF 4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,260.71	347.41
27 14 23 16-0104 MLF 6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,524.87	347.41
<i>For Aluminum Armored Cable, Add</i>	782.39	
<i>For Steel Armored Cable, Add</i>	1,104.93	
27 14 23 16-0105 MLF 8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,777.99	347.41
27 14 23 16-0106 MLF 12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,997.91	347.41
<i>For Aluminum Armored Cable, Add</i>	999.34	
<i>For Steel Armored Cable, Add</i>	1,365.46	
27 14 23 16-0107 MLF 18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,527.27	405.31
27 14 23 16-0108 MLF 24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,405.67	405.31
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,480.05	
<i>For Steel Armored Cable, Add</i>	1,480.05	
27 14 23 16-0109 MLF 36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,270.75	405.31



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0110 MLF 48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,135.83	405.31
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	<i>1,410.22</i>	
27 14 23 16-0111 MLF 60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,000.91	405.31
27 14 23 16-0112 MLF 72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,865.99	405.31
27 14 23 16-0113 MLF 96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	15,609.47	405.31
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	<i>2,818.12</i>	
27 14 23 16-0114 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0085)		
27 14 23 16-0115 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	897.14	347.41
27 14 23 16-0116 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,022.88	347.41
27 14 23 16-0117 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,294.80	347.41
27 14 23 16-0118 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,572.17	347.41
27 14 23 16-0119 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,837.94	347.41
27 14 23 16-0120 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,068.85	347.41
27 14 23 16-0121 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,619.86	405.31
27 14 23 16-0122 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,592.18	405.31
27 14 23 16-0123 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,550.51	405.31
27 14 23 16-0124 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,508.85	405.31
27 14 23 16-0125 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,467.18	405.31
27 14 23 16-0126 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	12,425.51	405.31
27 14 23 16-0127 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	16,356.17	405.31
27 14 23 16-0128 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0084)		
27 14 23 16-0129 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0128)		
27 14 23 16-0130 MLF 2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,605.70	347.41
27 14 23 16-0131 MLF 4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,989.01	347.41
27 14 23 16-0132 MLF 6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,910.48	347.41
27 14 23 16-0133 MLF 8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,813.55	347.41
27 14 23 16-0134 MLF 12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,254.83	347.41
27 14 23 16-0135 MLF 18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,929.35	405.31
27 14 23 16-0136 MLF 24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	12,898.26	405.31
27 14 23 16-0137 MLF 36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	15,613.31	405.31
27 14 23 16-0138 MLF 48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	19,493.46	405.31
27 14 23 16-0139 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0128)		
27 14 23 16-0140 MLF 2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,968.56	347.41
27 14 23 16-0141 MLF 4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,666.38	347.41
27 14 23 16-0142 MLF 6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,911.96	347.41
27 14 23 16-0143 MLF 8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,546.78	347.41
27 14 23 16-0144 MLF 12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,490.49	347.41
27 14 23 16-0145 MLF 18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,908.51	405.31
27 14 23 16-0146 MLF 24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,725.40	405.31
27 14 23 16-0147 MLF 36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,489.36	405.31
27 14 23 16-0148 MLF 48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	18,260.55	405.31
27 14 23 16-0149 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0128)		

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0150 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,088.04	347.41
27 14 23 16-0151 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,820.75	347.41
27 14 23 16-0152 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,128.61	347.41
27 14 23 16-0153 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,795.17	347.41
27 14 23 16-0154 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,736.06	347.41
27 14 23 16-0155 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,320.16	405.31
27 14 23 16-0156 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,127.90	405.31
27 14 23 16-0157 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,030.06	405.31
27 14 23 16-0158 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	19,139.80	405.31
27 14 23 16-0159 Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0001)</small> Note: For non-conduit installations such as cable trays, surface runways, etc.		
27 14 23 16-0160 Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0159)</small>		
27 14 23 16-0161 Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0160)</small>		
27 14 23 16-0162 Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0161)</small>		
27 14 23 16-0163 MLF 1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,052.31	463.21
<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0164 MLF 2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,136.78	463.21
<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0165 MLF 4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,164.99	463.21
<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0166 MLF 6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,265.43	463.21
<i>For Aluminum Armored Cable, Add</i>	886.13	
<i>For Steel Armored Cable, Add</i>	3,180.84	
<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0167 MLF 8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,294.23	463.21
<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0168 MLF 12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,468.31	463.21
<i>For Aluminum Armored Cable, Add</i>	953.58	
<i>For Steel Armored Cable, Add</i>	3,494.50	
<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0169 MLF 18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,407.40	521.11
<i>For Work In Restricted Working Space, Add</i>	260.56	
27 14 23 16-0170 MLF 24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,337.30	521.11
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	932.12	
<i>For Steel Armored Cable, Add</i>	6,062.44	
<i>For Work In Restricted Working Space, Add</i>	260.56	
27 14 23 16-0171 MLF 36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,044.03	521.11
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	889.07	
<i>For Steel Armored Cable, Add</i>	6,342.88	
<i>For Work In Restricted Working Space, Add</i>	260.56	
27 14 23 16-0172 MLF 48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,181.10	521.11
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	935.94	
<i>For Steel Armored Cable, Add</i>	6,631.37	
<i>For Work In Restricted Working Space, Add</i>	260.56	
27 14 23 16-0173 MLF 60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,045.48	521.11
<i>For Work In Restricted Working Space, Add</i>	260.56	
27 14 23 16-0174 MLF 72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,275.34	521.11
<i>For Work In Restricted Working Space, Add</i>	260.56	
27 14 23 16-0175 MLF 96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,484.44	521.11
<i>For Work In Restricted Working Space, Add</i>	260.56	
27 14 23 16-0176 MLF 120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,659.41	579.01
<i>For Work In Restricted Working Space, Add</i>	289.50	
27 14 23 16-0177 MLF 144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,308.21	579.01
<i>For Work In Restricted Working Space, Add</i>	289.50	
27 14 23 16-0178 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0161)</small>		
27 14 23 16-0179 MLF 1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,076.63	463.21
<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0180 MLF 2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,124.01	463.21
<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0181 MLF 4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,333.01	463.21
<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0182 MLF 6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,553.01	463.21
<i>For Aluminum Armored Cable, Add</i>	944.74	
<i>For Steel Armored Cable, Add</i>	1,208.86	
<i>For Work In Restricted Working Space, Add</i>	231.60	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0183 MLF 8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,762.01 231.60	463.21
27 14 23 16-0184 MLF 12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,191.01 1,021.22 1,365.36 231.60	463.21
27 14 23 16-0185 MLF 18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,397.52 260.56	521.11
27 14 23 16-0186 MLF 24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,948.52 704.27 704.27 260.56	521.11
27 14 23 16-0187 MLF 36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	5,488.52 260.56	521.11
27 14 23 16-0188 MLF 48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Work In Restricted Working Space, Add</i>	7,028.52 1,256.30 260.56	521.11
27 14 23 16-0189 MLF 60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	8,568.52 260.56	521.11
27 14 23 16-0190 MLF 72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	10,108.52 260.56	521.11
27 14 23 16-0191 MLF 96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Work In Restricted Working Space, Add</i>	13,199.52 5,421.08 260.56	521.11
27 14 23 16-0192 MLF 120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	16,376.01 289.50	579.01
27 14 23 16-0193 MLF 144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	19,456.01 289.50	579.01
27 14 23 16-0194 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0161)</small>		
27 14 23 16-0195 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,091.86 231.60	463.21
27 14 23 16-0196 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,141.61 231.60	463.21
27 14 23 16-0197 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,361.06 231.60	463.21
27 14 23 16-0198 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,592.06 231.60	463.21
27 14 23 16-0199 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,811.51 231.60	463.21
27 14 23 16-0200 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,261.96 231.60	463.21
27 14 23 16-0201 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,473.97 260.56	521.11
27 14 23 16-0202 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	4,102.52 260.56	521.11
27 14 23 16-0203 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	5,719.52 260.56	521.11
27 14 23 16-0204 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	7,336.52 260.56	521.11
27 14 23 16-0205 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	8,953.52 260.56	521.11
27 14 23 16-0206 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	10,570.52 260.56	521.11
27 14 23 16-0207 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	13,816.07 260.56	521.11
27 14 23 16-0208 MLF 120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	17,146.56 289.50	579.01
27 14 23 16-0209 MLF 144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	20,380.56 289.50	579.01
27 14 23 16-0210 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0160)</small>		



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TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 14 23 16-0211	Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0210)</small>		
27 14 23 16-0212	MLF 2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,835.23	463.21
	<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0213	MLF 4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,150.27	463.21
	<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0214	MLF 6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,843.35	463.21
	<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0215	MLF 8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,174.11	463.21
	<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0216	MLF 12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,427.48	463.21
	<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0217	MLF 18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,712.14	521.11
	<i>For Work In Restricted Working Space, Add</i>	260.56	
27 14 23 16-0218	MLF 24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,163.92	521.11
	<i>For Work In Restricted Working Space, Add</i>	260.56	
27 14 23 16-0219	MLF 36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,043.83	521.11
	<i>For Work In Restricted Working Space, Add</i>	260.56	
27 14 23 16-0220	MLF 48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	12,288.45	521.11
	<i>For Work In Restricted Working Space, Add</i>	260.56	
27 14 23 16-0221	50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0210)</small>		
27 14 23 16-0222	MLF 2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,963.63	463.21
	<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0223	MLF 4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,339.35	463.21
	<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0224	MLF 6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,958.81	463.21
	<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0225	MLF 8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,879.51	463.21
	<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0226	MLF 12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,259.31	463.21
	<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0227	MLF 18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,627.12	521.11
	<i>For Work In Restricted Working Space, Add</i>	260.56	
27 14 23 16-0228	MLF 24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,002.47	521.11
	<i>For Work In Restricted Working Space, Add</i>	260.56	
27 14 23 16-0229	MLF 36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,950.32	521.11
	<i>For Work In Restricted Working Space, Add</i>	260.56	
27 14 23 16-0230	MLF 48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	12,000.52	521.11
	<i>For Work In Restricted Working Space, Add</i>	260.56	
27 14 23 16-0231	62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0210)</small>		
27 14 23 16-0232	MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,023.21	463.21
	<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0233	MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,417.71	463.21
	<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0234	MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,068.15	463.21
	<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0235	MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,034.89	463.21
	<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0236	MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,433.67	463.21
	<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0237	MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,865.05	521.11
	<i>For Work In Restricted Working Space, Add</i>	260.56	
27 14 23 16-0238	MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,309.17	521.11
	<i>For Work In Restricted Working Space, Add</i>	260.56	
27 14 23 16-0239	MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,304.41	521.11
	<i>For Work In Restricted Working Space, Add</i>	260.56	
27 14 23 16-0240	MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	12,557.12	521.11
	<i>For Work In Restricted Working Space, Add</i>	260.56	
27 14 23 16-0241	Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0159)</small>		
27 14 23 16-0242	Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0241)</small>		
27 14 23 16-0243	Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0242)</small>		
27 14 23 16-0244	MLF 1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,049.91	463.21
	<i>For Work In Restricted Working Space, Add</i>	231.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0245 MLF 2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,054.11 231.60	463.21
27 14 23 16-0246 MLF 4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,274.26 231.60	463.21
27 14 23 16-0247 MLF 6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,300.02 988.85 3,539.79 231.60	463.21
27 14 23 16-0248 MLF 8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,429.70 231.60	463.21
27 14 23 16-0249 MLF 12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,453.96 1,046.17 3,772.00 231.60	463.21
27 14 23 16-0250 MLF 18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,091.72 260.56	521.11
27 14 23 16-0251 MLF 24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,925.42 370.52 3,400.82 260.56	521.11
27 14 23 16-0252 MLF 36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	6,132.13 260.56	521.11
27 14 23 16-0253 MLF 48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	6,287.57 481.25 3,872.02 260.56	521.11
27 14 23 16-0254 MLF 60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	7,552.57 260.56	521.11
27 14 23 16-0255 MLF 72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	8,903.19 260.56	521.11
27 14 23 16-0256 MLF 96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	11,710.05 260.56	521.11
27 14 23 16-0257 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0242)</small>		
27 14 23 16-0258 MLF 1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,074.99 231.60	463.21
27 14 23 16-0259 MLF 2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,194.74 231.60	463.21
27 14 23 16-0260 MLF 4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,453.71 231.60	463.21
27 14 23 16-0261 MLF 6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,717.87 782.39 1,104.93 231.60	463.21
27 14 23 16-0262 MLF 8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,970.99 231.60	463.21
27 14 23 16-0263 MLF 12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,190.91 999.34 1,365.46 231.60	463.21
27 14 23 16-0264 MLF 18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,720.28 260.56	521.11
27 14 23 16-0265 MLF 24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,598.68 1,480.05 1,480.05 260.56	521.11
27 14 23 16-0266 MLF 36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	6,463.76 260.56	521.11
27 14 23 16-0267 MLF 48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Work In Restricted Working Space, Add</i>	8,328.84 1,410.22 260.56	521.11
27 14 23 16-0268 MLF 60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	10,193.92 260.56	521.11
27 14 23 16-0269 MLF 72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i> <i>For Work In Restricted Working Space, Add</i>	12,059.00 260.56 260.56	521.11
27 14 23 16-0270 MLF 96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i> <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Work In Restricted Working Space, Add</i>	15,802.48 260.56 2,818.12 260.56	521.11



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0271			62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0242)</small>		
27 14 23 16-0272	MLF		1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,090.14	463.21
			<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0273	MLF		2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,215.88	463.21
			<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0274	MLF		4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,487.80	463.21
			<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0275	MLF		6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,765.17	463.21
			<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0276	MLF		8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,030.94	463.21
			<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0277	MLF		12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,261.85	463.21
			<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0278	MLF		18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,812.87	521.11
			<i>For Work In Restricted Working Space, Add</i>	260.56	
27 14 23 16-0279	MLF		24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,785.19	521.11
			<i>For Work In Restricted Working Space, Add</i>	260.56	
27 14 23 16-0280	MLF		36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,743.52	521.11
			<i>For Work In Restricted Working Space, Add</i>	260.56	
27 14 23 16-0281	MLF		48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,701.86	521.11
			<i>For Work In Restricted Working Space, Add</i>	260.56	
27 14 23 16-0282	MLF		60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,660.19	521.11
			<i>For Work In Restricted Working Space, Add</i>	260.56	
27 14 23 16-0283	MLF		72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	12,618.52	521.11
			<i>For Work In Restricted Working Space, Add</i>	260.56	
27 14 23 16-0284	MLF		96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	16,549.18	521.11
			<i>For Work In Restricted Working Space, Add</i>	260.56	
27 14 23 16-0285			Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0241)</small>		
27 14 23 16-0286			Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0285)</small>		
27 14 23 16-0287	MLF		2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,798.70	463.21
			<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0288	MLF		4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,182.01	463.21
			<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0289	MLF		6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,103.48	463.21
			<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0290	MLF		8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,006.55	463.21
			<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0291	MLF		12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,447.83	463.21
			<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0292	MLF		18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,122.36	521.11
			<i>For Work In Restricted Working Space, Add</i>	260.56	
27 14 23 16-0293	MLF		24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	13,091.27	521.11
			<i>For Work In Restricted Working Space, Add</i>	260.56	
27 14 23 16-0294	MLF		36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	15,806.32	521.11
			<i>For Work In Restricted Working Space, Add</i>	260.56	
27 14 23 16-0295	MLF		48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	19,686.47	521.11
			<i>For Work In Restricted Working Space, Add</i>	260.56	
27 14 23 16-0296			50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0285)</small>		
27 14 23 16-0297	MLF		2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,161.56	463.21
			<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0298	MLF		4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,859.38	463.21
			<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0299	MLF		6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,104.96	463.21
			<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0300	MLF		8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,739.78	463.21
			<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0301	MLF		12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,683.49	463.21
			<i>For Work In Restricted Working Space, Add</i>	231.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0302 MLF 18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,101.52	521.11
<i>For Work In Restricted Working Space, Add</i>	260.56	
27 14 23 16-0303 MLF 24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,918.41	521.11
<i>For Work In Restricted Working Space, Add</i>	260.56	
27 14 23 16-0304 MLF 36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,682.37	521.11
<i>For Work In Restricted Working Space, Add</i>	260.56	
27 14 23 16-0305 MLF 48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	18,453.56	521.11
<i>For Work In Restricted Working Space, Add</i>	260.56	
27 14 23 16-0306 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0285)</small>		
27 14 23 16-0307 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,281.04	463.21
<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0308 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,013.75	463.21
<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0309 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,321.61	463.21
<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0310 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,988.17	463.21
<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0311 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,929.06	463.21
<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0312 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,513.17	521.11
<i>For Work In Restricted Working Space, Add</i>	260.56	
27 14 23 16-0313 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,320.91	521.11
<i>For Work In Restricted Working Space, Add</i>	260.56	
27 14 23 16-0314 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	12,223.07	521.11
<i>For Work In Restricted Working Space, Add</i>	260.56	
27 14 23 16-0315 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	19,332.81	521.11
<i>For Work In Restricted Working Space, Add</i>	260.56	
27 14 23 16-0316 Hybrid, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0001)</small>		
Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
27 14 23 16-0317 Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0316)</small>		
27 14 23 16-0318 MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,265.53	347.41
27 14 23 16-0319 MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	2,194.01	347.41
27 14 23 16-0320 MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	5,149.43	405.31
27 14 23 16-0321 MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	8,166.79	405.31
27 14 23 16-0322 Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0316)</small>		
27 14 23 16-0323 MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,522.39	347.41
27 14 23 16-0324 MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	2,230.15	347.41
27 14 23 16-0325 MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	6,127.89	405.31
27 14 23 16-0326 MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	10,632.38	405.31
27 14 23 16-0327 Hybrid, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0001)</small>		
Note: Singlemode and multimode combination cable. For non-conduit installations such as cable trays, surface runways, etc.		
27 14 23 16-0328 Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0327)</small>		
27 14 23 16-0329 MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	1,458.53	463.21
<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0330 MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	2,387.01	463.21
<i>For Work In Restricted Working Space, Add</i>	231.60	

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0331 MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	5,342.44	521.11
<i>For Work In Restricted Working Space, Add</i>	260.56	
27 14 23 16-0332 MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	8,359.80	521.11
<i>For Work In Restricted Working Space, Add</i>	260.56	
27 14 23 16-0333 Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0327)</small>		
27 14 23 16-0334 MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	1,715.39	463.21
<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0335 MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	2,423.15	463.21
<i>For Work In Restricted Working Space, Add</i>	231.60	
27 14 23 16-0336 MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	6,320.90	521.11
<i>For Work In Restricted Working Space, Add</i>	260.56	
27 14 23 16-0337 MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	10,825.39	521.11
<i>For Work In Restricted Working Space, Add</i>	260.56	
27 14 23 16-0338 Outdoor Fiber Optic Cable <small>(27 14 23 16)</small>		
Note: Cable buried in trench excludes excavation.		
27 14 23 16-0339 Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0338)</small>		
Note: Excludes conduit or innerduct.		
27 14 23 16-0340 Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0339)</small>		
27 14 23 16-0341 Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0340)</small>		
27 14 23 16-0342 MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,661.08	694.82
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	245.73	
27 14 23 16-0343 MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,691.67	694.82
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	247.76	
27 14 23 16-0344 MLF 6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,722.31	694.82
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	249.73	
27 14 23 16-0345 MLF 8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,752.92	694.82
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	252.12	
27 14 23 16-0346 MLF 12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,813.75	694.82
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	228.14	
27 14 23 16-0347 MLF 18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,938.18	694.82
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	254.18	
27 14 23 16-0348 MLF 24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,002.14	694.82
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	200.10	
27 14 23 16-0349 MLF 36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,021.87	694.82
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	233.89	
27 14 23 16-0350 MLF 48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,387.93	694.82
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	257.31	
27 14 23 16-0351 MLF 60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,589.74	694.82
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	257.29	
27 14 23 16-0352 MLF 72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,851.58	694.82
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	304.09	
27 14 23 16-0353 MLF 96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,312.54	694.82
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	291.96	
27 14 23 16-0354 MLF 120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,816.20	694.82
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	354.52	
27 14 23 16-0355 MLF 144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,343.34	694.82
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	237.32	
27 14 23 16-0356 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0340)</small>		
27 14 23 16-0357 MLF 2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,972.02	694.82
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	44.00	
27 14 23 16-0358 MLF 4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,018.22	694.82
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	74.80	
27 14 23 16-0359 MLF 6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,115.02	694.82
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	121.00	
27 14 23 16-0360 MLF 8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,247.02	694.82
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	22.00	
27 14 23 16-0361 MLF 12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,302.02	694.82
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	44.00	
27 14 23 16-0362 MLF 18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,489.02	694.82
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	66.00	
27 14 23 16-0363 MLF 24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,885.02	694.82
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	44.00	
27 14 23 16-0364 MLF 36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,468.02	694.82
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	132.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0365 MLF 48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,117.02 44.00	694.82
27 14 23 16-0366 MLF 60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,568.02 132.00	694.82
27 14 23 16-0367 MLF 72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,151.02 517.00	694.82
27 14 23 16-0368 MLF 96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,504.02 176.00	694.82
27 14 23 16-0369 MLF 120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,846.02 209.00	694.82
27 14 23 16-0370 MLF 144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,188.02 253.00	694.82
27 14 23 16-0371 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0340)</small>		
27 14 23 16-0372 MLF 2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,448.81 105.08	694.82
27 14 23 16-0373 MLF 4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,549.84 112.69	694.82
27 14 23 16-0374 MLF 6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,650.71 120.11	694.82
27 14 23 16-0375 MLF 8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,775.33 136.74	694.82
27 14 23 16-0376 MLF 12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,953.80 142.59	694.82
27 14 23 16-0377 MLF 18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,269.32 151.97	694.82
27 14 23 16-0378 MLF 24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,568.21 174.76	694.82
27 14 23 16-0379 MLF 36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,140.23 194.20	694.82
27 14 23 16-0380 MLF 48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,809.30 223.29	694.82
27 14 23 16-0381 MLF 60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,427.27 240.27	694.82
27 14 23 16-0382 MLF 72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,079.51 271.95	694.82
27 14 23 16-0383 MLF 96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,398.69 305.77	694.82
27 14 23 16-0384 MLF 120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,739.04 347.02	694.82
27 14 23 16-0385 MLF 144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,100.08 318.76	694.82
27 14 23 16-0386 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0339)</small>		
27 14 23 16-0387 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0386)</small>		
27 14 23 16-0388 MLF 2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,836.27 194.18	694.82
27 14 23 16-0389 MLF 4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,895.92 278.71	694.82
27 14 23 16-0390 MLF 6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,913.83 267.11	694.82
27 14 23 16-0391 MLF 8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,985.29 222.36	694.82
27 14 23 16-0392 MLF 12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,007.59 265.75	694.82
27 14 23 16-0393 MLF 18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,107.74 252.05	694.82
27 14 23 16-0394 MLF 24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,197.53 255.04	694.82
27 14 23 16-0395 MLF 36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,340.78 323.42	694.82
27 14 23 16-0396 MLF 48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,542.59 327.64	694.82
27 14 23 16-0397 MLF 60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,743.63 339.43	694.82
27 14 23 16-0398 MLF 72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,016.17 291.97	694.82
27 14 23 16-0399 MLF 96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,457.03 380.77	694.82
27 14 23 16-0400 MLF 120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,033.79 374.94	694.82
27 14 23 16-0401 MLF 144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,505.77 299.50	694.82
27 14 23 16-0402 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0386)</small>		

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0403 MLF 2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,037.38 274.80	694.82
27 14 23 16-0404 MLF 4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,246.23 153.89	694.82
27 14 23 16-0405 MLF 6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,521.03 32.98	694.82
27 14 23 16-0406 MLF 8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,652.93 54.96	694.82
27 14 23 16-0407 MLF 12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,784.84 54.96	694.82
27 14 23 16-0408 MLF 18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,092.61 65.95	694.82
27 14 23 16-0409 MLF 24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,367.41 252.82	694.82
27 14 23 16-0410 MLF 36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,960.98 494.64	694.82
27 14 23 16-0411 MLF 48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,554.55 824.40	694.82
27 14 23 16-0412 MLF 60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,049.19 906.84	694.82
27 14 23 16-0413 MLF 72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,697.72 1,154.16	694.82
27 14 23 16-0414 MLF 96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,049.73 1,703.76	694.82
27 14 23 16-0415 MLF 120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,731.24 1,286.06	694.82
27 14 23 16-0416 MLF 144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,478.96 3,132.72	694.82
27 14 23 16-0417 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0386)</small>		
27 14 23 16-0418 MLF 2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,517.03 131.90	694.82
27 14 23 16-0419 MLF 4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,615.96 142.59	694.82
27 14 23 16-0420 MLF 6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,714.72 153.26	694.82
27 14 23 16-0421 MLF 8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,813.65 163.92	694.82
27 14 23 16-0422 MLF 12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,069.92 176.31	694.82
27 14 23 16-0423 MLF 18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,321.21 206.61	694.82
27 14 23 16-0424 MLF 24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,629.12 224.41	694.82
27 14 23 16-0425 MLF 36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,225.12 277.27	694.82
27 14 23 16-0426 MLF 48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,832.26 317.68	694.82
27 14 23 16-0427 MLF 60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,441.50 353.76	694.82
27 14 23 16-0428 MLF 72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,082.10 394.49	694.82
27 14 23 16-0429 MLF 96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,382.04 465.16	694.82
27 14 23 16-0430 MLF 120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,059.90 480.86	694.82
27 14 23 16-0431 MLF 144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,043.19 496.40	694.82
27 14 23 16-0432 Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0338)</small> Note: Excludes trenching.		
27 14 23 16-0433 Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0432)</small>		
27 14 23 16-0434 Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0433)</small>		
27 14 23 16-0435 MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,564.58 245.73	
27 14 23 16-0436 MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,595.17 247.76	
27 14 23 16-0437 MLF 6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,625.81 249.73	
27 14 23 16-0438 MLF 8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,656.42 252.12	
27 14 23 16-0439 MLF 12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,717.25 228.14	
27 14 23 16-0440 MLF 18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,841.68 254.18	
27 14 23 16-0441 MLF 24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,905.64 200.10	



Communications	27
Structured Cabling	27 10
Communications Cabling	27 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0442 MLF 36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,925.37 233.89	
27 14 23 16-0443 MLF 48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,291.43 257.31	
27 14 23 16-0444 MLF 60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,750.53 257.29	
27 14 23 16-0445 MLF 72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,059.17 304.09	
27 14 23 16-0446 MLF 96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,216.04 291.96	
27 14 23 16-0447 MLF 120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,719.70 354.52	
27 14 23 16-0448 MLF 144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,246.84 237.32	
27 14 23 16-0449 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0433)</small>		
27 14 23 16-0450 MLF 2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,875.52 44.00	
27 14 23 16-0451 MLF 4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,921.72 74.80	
27 14 23 16-0452 MLF 6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,018.52 121.00	
27 14 23 16-0453 MLF 8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,150.52 22.00	
27 14 23 16-0454 MLF 12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,205.52 44.00	
27 14 23 16-0455 MLF 18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,392.52 66.00	
27 14 23 16-0456 MLF 24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,788.52 44.00	
27 14 23 16-0457 MLF 36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,371.52 132.00	
27 14 23 16-0458 MLF 48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,020.52 44.00	
27 14 23 16-0459 MLF 60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,471.52 132.00	
27 14 23 16-0460 MLF 72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,054.52 517.00	
27 14 23 16-0461 MLF 96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,407.52 176.00	
27 14 23 16-0462 MLF 120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,749.52 209.00	
27 14 23 16-0463 MLF 144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,091.52 253.00	
27 14 23 16-0464 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0433)</small>		
27 14 23 16-0465 MLF 2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,352.31 105.08	
27 14 23 16-0466 MLF 4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,453.34 112.69	
27 14 23 16-0467 MLF 6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,554.21 120.11	
27 14 23 16-0468 MLF 8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,678.83 136.74	
27 14 23 16-0469 MLF 12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,857.30 142.59	
27 14 23 16-0470 MLF 18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,172.82 151.97	
27 14 23 16-0471 MLF 24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,471.71 174.76	
27 14 23 16-0472 MLF 36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,043.73 194.20	
27 14 23 16-0473 MLF 48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,712.80 223.29	
27 14 23 16-0474 MLF 60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,330.77 240.27	
27 14 23 16-0475 MLF 72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,983.01 271.95	
27 14 23 16-0476 MLF 96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,302.19 305.77	
27 14 23 16-0477 MLF 120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,642.54 347.02	
27 14 23 16-0478 MLF 144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,003.58 318.76	
27 14 23 16-0479 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0432)</small>		



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 14 23 16-0480	Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench (27 14 23 16-0479)	
27 14 23 16-0481	MLF 2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,739.77 194.18
27 14 23 16-0482	MLF 4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,799.42 278.71
27 14 23 16-0483	MLF 6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,817.33 267.11
27 14 23 16-0484	MLF 8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,888.79 222.36
27 14 23 16-0485	MLF 12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,911.09 265.75
27 14 23 16-0486	MLF 18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,011.24 252.05
27 14 23 16-0487	MLF 24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,101.03 255.04
27 14 23 16-0488	MLF 36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,244.28 323.42
27 14 23 16-0489	MLF 48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,446.09 327.64
27 14 23 16-0490	MLF 60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,647.13 339.43
27 14 23 16-0491	MLF 72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,919.67 291.97
27 14 23 16-0492	MLF 96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,360.53 380.77
27 14 23 16-0493	MLF 120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,937.29 374.94
27 14 23 16-0494	MLF 144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,409.27 299.50
27 14 23 16-0495	50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench (27 14 23 16-0479)	
27 14 23 16-0496	MLF 2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,940.88 274.80
27 14 23 16-0497	MLF 4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,149.73 153.89
27 14 23 16-0498	MLF 6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,424.53 32.98
27 14 23 16-0499	MLF 8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,556.43 54.96
27 14 23 16-0500	MLF 12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,688.34 54.96
27 14 23 16-0501	MLF 18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,996.11 65.95
27 14 23 16-0502	MLF 24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,270.91 252.82
27 14 23 16-0503	MLF 36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,864.48 494.64
27 14 23 16-0504	MLF 48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,458.05 824.40
27 14 23 16-0505	MLF 60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,952.69 906.84
27 14 23 16-0506	MLF 72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,601.22 1,154.16
27 14 23 16-0507	MLF 96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,953.23 1,703.76
27 14 23 16-0508	MLF 120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,634.74 1,286.06
27 14 23 16-0509	MLF 144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,382.46 3,132.72
27 14 23 16-0510	62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench (27 14 23 16-0479)	
27 14 23 16-0511	MLF 2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,420.53 131.90
27 14 23 16-0512	MLF 4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,519.46 142.59
27 14 23 16-0513	MLF 6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,618.22 153.26
27 14 23 16-0514	MLF 8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,717.15 163.92
27 14 23 16-0515	MLF 12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,973.42 176.31
27 14 23 16-0516	MLF 18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,224.71 206.61
27 14 23 16-0517	MLF 24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,532.62 224.41
27 14 23 16-0518	MLF 36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,128.62 277.27



Communications	27
Structured Cabling	27 10
Communications Cabling	27 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0519 MLF 48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,735.76 317.68	
27 14 23 16-0520 MLF 60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,345.00 353.76	
27 14 23 16-0521 MLF 72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,985.60 394.49	
27 14 23 16-0522 MLF 96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,285.54 465.16	
27 14 23 16-0523 MLF 120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,670.50 480.86	
27 14 23 16-0524 MLF 144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,946.69 496.40	
27 14 23 16-0525 (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <small>(27 14 23 16-0338)</small>		
27 14 23 16-0526 Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <small>(27 14 23 16-0525)</small>		
27 14 23 16-0527 Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <small>(27 14 23 16-0526)</small>		
27 14 23 16-0528 MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,577.91 164.35	2,558.67
27 14 23 16-0529 MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,608.31 168.61	2,558.67
27 14 23 16-0530 MLF 6-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,639.11 172.75	2,558.67
27 14 23 16-0531 MLF 8-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,669.51 169.44	2,558.67
27 14 23 16-0532 MLF 12-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,730.33 197.54	2,558.67
27 14 23 16-0533 MLF 18-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,850.43 205.36	2,558.67
27 14 23 16-0534 MLF 24-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,942.02 226.98	2,558.67
27 14 23 16-0535 MLF 36-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,159.80 217.64	2,558.67
27 14 23 16-0536 MLF 48-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,350.24 252.85	2,558.67
27 14 23 16-0537 MLF 60-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,507.68 242.46	2,558.67
27 14 23 16-0538 MLF 72-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,704.08 277.21	2,558.67
27 14 23 16-0539 MLF 96-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,219.52 281.55	2,558.67
27 14 23 16-0540 MLF 120-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,772.54 335.96	2,558.67
27 14 23 16-0541 MLF 144-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,905.12 360.75	2,558.67
27 14 23 16-0542 Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0338)</small> Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
27 14 23 16-0543 Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0542)</small>		
27 14 23 16-0544 MLF 12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	3,281.39	579.01
27 14 23 16-0545 MLF 24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,171.31	579.01
27 14 23 16-0546 MLF 48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	6,153.75	579.01
27 14 23 16-0547 Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0542)</small>		
27 14 23 16-0548 MLF 12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,416.44	579.01
27 14 23 16-0549 MLF 24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,922.18	579.01
27 14 23 16-0550 MLF 48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	7,134.38	579.01
27 14 23 16-0551 Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0338)</small> Note: Singlemode and multimode combination cable. Excludes trenching.		
27 14 23 16-0552 Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0551)</small>		
27 14 23 16-0553 MLF 12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	3,184.89	530.76
27 14 23 16-0554 MLF 24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	4,074.81	530.76
27 14 23 16-0555 MLF 48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	6,057.25	530.76
27 14 23 16-0556 Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0551)</small>		

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0557 MLF 12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	4,319.94	530.76
27 14 23 16-0558 MLF 24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	4,825.68	530.76
27 14 23 16-0559 MLF 48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	7,037.88	530.76
27 14 23 16-0560 Network Communications Cabling And Related Products (27 14 23 16)		
27 14 23 16-0561 EA AC Surge Suppression Assembly.....	285.65	12.06
Note: Liebert AccuVar Transient Voltage Surge Protection (TVSS) device or Atlantic Scientific Zone Defender Pro Model # 16100. Includes testing.		
27 14 23 16-0562 EA Single Mode Fiber Optic To Ethernet Media Converter	478.77	14.48
Note: Transition Networks part no. J/E-PSW-FX-02(SM). Includes testing.		
27 14 23 16-0563 EA 6' Long Single Mode Patch Cord With SC duplex Connectors At Both Ends.....	25.75	1.55
Note: Includes testing.		
27 14 23 16-0564 EA KVM (Keyboard, Video, Mouse) Cable	58.21	1.94
Note: Raritan CCP40. Includes testing.		
27 14 23 16-0565 EA 6' Long USB (Universal Serial Bus) Cable	9.29	1.55
Note: Includes testing.		
27 14 23 16-0566 EA 10' Long USB (Universal Serial Bus) Cable	10.97	1.94
Note: Includes testing.		
27 14 23 16-0567 EA 6' Long Category 6 Patch Cables With A RJ-45 Connectors At Each End	11.80	1.55
Note: Includes testing.		
27 14 23 16-0568 EA 10' Long Category 6 Patch Cables With A RJ-45 Connectors At Each End	13.48	1.94
Note: Includes testing.		
27 14 23 16-0569 EA 6' Long Single Mode Patch Cord With SC Connectors At Both Ends	19.16	1.55
Note: Includes testing.		
27 14 23 16-0570 EA 20' Long Single Mode Patch Cord With SC Duplex Connectors At Both Ends	41.20	1.94
Note: Includes testing.		
27 14 23 16-0571 EA 6' Long Single Mode Patch Cord With SC Duplex Connector At One End And SC Connectors At The Other	32.52	1.55
Note: Includes testing.		
27 14 23 16-0572 EA 20' Long Single Mode Patch Cord With SC Duplex Connector At One End And SC Connectors At The Other	41.20	1.94
Note: Includes testing.		
27 14 23 16-0573 EA 6' Long Single Mode Patch Cord With SC Duplex Connector At One End And FC Connectors At The Other.....	60.28	1.55
Note: Includes testing.		
27 14 23 16-0574 EA 6' Long Single Mode Patch Cord With SC Connectors At One End And FC Connectors At The Other.....	60.28	1.55
Note: Includes testing.		
27 14 23 16-0575 LF 6 Strand Dielectric Indoor / Outdoor Fiber Optic Cable.....	0.72	
Note: Corning part no. 006ESF-T41O1D20. Includes testing.		
27 14 23 16-0576 LF 12 Strand Dielectric Indoor / Outdoor Fiber Optic Cable.....	5.72	
Note: Corning part no. 012ESF-T41O1D20. Includes testing.		
27 14 23 16-0577 LF 24 Strand Dielectric Indoor / Outdoor Fiber Optic Cable.....	6.99	
Note: Corning part no. 024EW4-T41O1D20. Includes testing.		
27 14 23 16-0578 LF 72 Strand Dielectric Indoor / Outdoor Fiber Optic Cable.....	11.34	
Note: Corning part no. 072EW4-T41O1D20. Includes testing.		
27 14 23 16-0579 LF 144 Strand Dielectric Indoor / Outdoor Fiber Optic Cable.....	17.81	
Note: Corning part no. 144EW4-T41O1D20. Includes testing.		
27 14 23 16-0580 LF 36 Strand Dielectric Indoor Plenum Rated Fiber Optic Cable.....	10.78	
Note: Corning part no. 036E81-61131-24. Includes testing.		
27 14 23 16-0581 LF 72 Strand Dielectric Indoor Plenum Rated Fiber Optic Cable	16.48	
Note: Corning part no. 072E81-T3131-24. Includes testing.		
27 14 23 16-0582 EA Aerial Storage Unit.....	79.58	9.65
Note: Alcola part no. FSU-16. Includes testing.		
27 14 23 16-0583 EA Spider Fan-Out Kits With SC Connectors.....	96.09	9.65
Note: Corning part no. SFK-P-12-900-S.		
27 14 23 16-0584 LF Ultraviolet Resistant Rated Category 6 Cable.....	0.97	0.18
Note: Includes RJ 45 connectors at both ends. CommScope part no. 6NF4+. Includes testing.		
27 14 23 16-0585 LF RG11 Coaxial Cable NEC CMR.....	3.68	1.81
Note: Corning part no. SFK-P-12-900-S.		
27 14 23 16-0586 LF Outdoor Rated UL Type CL2	3.58	
Note: Aluminum foil-polyester tape 100% shield coverage twisted (6 twists per foot) single pair 19 X 27 stranding tin copper coated #14 AWG conductor Audio, Control, and Instrumentation Cable with polyethylene insulation and PVC jacket. Belden 8720. Includes testing.		
27 14 23 16-0587 LF Indoor Plenum Rated UL Type CMP.....	5.03	1.81
Note: 100% aluminum foil shield coverage twisted (6 twists per foot) 4 pairs 7X32 stranding tin copper coated #24 AWG conductor Computer Cable with Fluorinated Ethylene Propylene insulation and plenum rated jacket. Belden 82504. Includes testing.		
27 14 33 Communications Coaxial Cabling (27 14)		
27 14 33 16 Communications Coaxial Cabling (27 14 33)		
Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.		
27 14 33 16-0001 Indoor Coaxial Cable (27 14 33 16)		
27 14 33 16-0002 Coaxial Distribution Cable (27 14 33 16-0001)		
Note: Cables shall be as Belden, Times Fiber, West Penn or approved equal		
27 14 33 16-0003 MLF RG-6/U Coaxial Distribution Cable, In Conduit	1,791.07	282.31
27 14 33 16-0004 MLF RG-6A/U Coaxial Distribution Cable, In Conduit.....	6,304.04	282.31
27 14 33 16-0005 MLF RG-8/U Coaxial Distribution Cable, In Conduit	3,384.64	298.20
27 14 33 16-0006 MLF RG-8A/U Coaxial Distribution Cable, In Conduit.....	4,232.37	298.20
27 14 33 16-0007 MLF RG-11/U Coaxial Distribution Cable, In Conduit.....	3,801.36	352.89
27 14 33 16-0008 MLF RG-11A/U Coaxial Distribution Cable, In Conduit.....	5,440.80	352.89



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27 14 33 16-0009 MLF RG-11/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed.....	11,654.98	494.05
27 14 33 16-0010 MLF RG-58/U Coaxial Distribution Cable, In Conduit.....	1,337.32	247.03
27 14 33 16-0011 MLF RG-58A/U Coaxial Distribution Cable, In Conduit.....	1,505.30	247.03
27 14 33 16-0012 MLF RG-58C/U Coaxial Distribution Cable, In Conduit.....	1,801.22	247.03
27 14 33 16-0013 MLF RG-58/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed.....	4,351.64	494.05
27 14 33 16-0014 MLF RG-59/U Coaxial Distribution Cable, In Conduit.....	2,122.12	247.03
27 14 33 16-0015 MLF RG-59/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed.....	5,232.10	494.05
27 14 33 16-0016 MLF 1/2" Hard Line Coaxial, In Conduit.....	1,838.84	352.89
27 14 33 16-0017 Coaxial, Indoor Telecommunications Cable (27 14 33 16-0001)		
27 14 33 16-0018 Coaxial, Indoor Telecommunications Cable, Installed In Conduit (27 14 33 16-0017)		
27 14 33 16-0019 MLF RG 59/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9108).....	1,145.86	405.31
27 14 33 16-0020 MLF RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82108).....	2,487.46	405.31
27 14 33 16-0021 MLF RG 6/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9114).....	998.50	463.21
27 14 33 16-0022 MLF RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82120).....	3,112.45	463.21
27 14 33 16-0023 Coaxial, Indoor Telecommunications Cable, Installed Exposed (27 14 33 16-0017)		
27 14 33 16-0024 MLF RG 59/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9108).....	1,821.38	810.62
<i>For Work In Restricted Working Space, Add</i>	<i>405.31</i>	
27 14 33 16-0025 MLF RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82108).....	3,162.98	810.62
<i>For Work In Restricted Working Space, Add</i>	<i>405.31</i>	
27 14 33 16-0026 MLF RG 6/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9114).....	1,770.52	926.42
<i>For Work In Restricted Working Space, Add</i>	<i>463.21</i>	
27 14 33 16-0027 MLF RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82120).....	3,884.47	926.42
<i>For Work In Restricted Working Space, Add</i>	<i>463.21</i>	
27 14 33 16-0028 Outdoor Coaxial Cable (27 14 33 16)		
27 14 33 16-0029 Coaxial Cables "Television" Copper Covered Aluminum Center Core (27 14 33 16-0028)		
Note: Corrugated steel armor jacket.		
27 14 33 16-0030 MLF TV Coaxial Trunk Cable 3/4" Diameter, Direct Burial.....	5,170.05	1,320.88
27 14 33 16-0031 MLF TV Coaxial Distribution Cable 1/2" Diameter, Direct Burial.....	3,280.87	929.07
27 14 33 16-0032 MLF TV Coaxial Distribution Cable 3/8" Diameter, Direct Burial.....	2,719.77	548.13
27 14 33 16-0033 MLF TV Coaxial Cable Drop 1/4" Diameter, Direct Burial.....	1,543.06	548.13
27 14 33 16-0034 MLF TV Coaxial Cable Drop 1/4" Diameter, Placed In Conduit.....	2,313.92	856.47
27 14 43 Communications Faceplates And Connectors (27 14)		
27 14 43 00-0001 Plastic Communications Faceplates (27 14 43)		
Note: Excludes modular jacks. See CSI section 27 14 43 00-0035 for modular jacks.		
27 14 43 00-0002 EA One Port, Single Gang, Plastic Communication Faceplate With Station ID.....	7.32	2.42
27 14 43 00-0003 EA Two Port, Single Gang, Plastic Communication Faceplate With Station ID.....	7.32	2.42
27 14 43 00-0004 EA Three Port, Single Gang, Plastic Communication Faceplate With Station ID.....	7.32	2.42
27 14 43 00-0005 EA Four Port, Single Gang, Plastic Communication Faceplate With Station ID.....	7.32	2.42
27 14 43 00-0006 EA Six Port, Single Gang, Plastic Communication Faceplate With Station ID.....	7.32	2.42
27 14 43 00-0007 EA Four Port, Double Gang, Plastic Communications Faceplate With Station ID.....	10.88	2.42
27 14 43 00-0008 EA Six Port, Double Gang, Plastic Communication Faceplate With Station ID.....	10.88	2.42
27 14 43 00-0009 EA Eight Port, Double Gang, Plastic Communication Faceplate With Station ID.....	10.88	2.42
27 14 43 00-0010 EA Nine Port, Double Gang, Plastic Communication Faceplate With Station ID.....	10.88	2.42
27 14 43 00-0011 EA Twelve Port, Double Gang, Plastic Communication Faceplate With Station ID.....	10.88	2.42
27 14 43 00-0012 Stainless Steel Communications Faceplates (27 14 43)		
Note: Excludes modular jacks. See CSI section 27 14 43 00-0035 for modular jacks.		
27 14 43 00-0013 Stainless Steel Communications Faceplates (27 14 43 00-0012)		
27 14 43 00-0014 EA One Port, Single Gang, Stainless Steel Communications Faceplate.....	13.33	2.42
27 14 43 00-0015 EA Two Port, Single Gang, Stainless Steel Communications Faceplate.....	13.33	2.42
27 14 43 00-0016 EA Three Port, Single Gang, Stainless Steel Communications Faceplate.....	13.33	2.42
27 14 43 00-0017 EA Four Port, Single Gang, Stainless Steel Communications Faceplate.....	14.22	2.42
27 14 43 00-0018 EA Six Port, Single Gang, Stainless Steel Communications Faceplate.....	14.22	2.42
27 14 43 00-0019 EA Four Port, Double Gang, Stainless Steel Communications Faceplate.....	18.96	2.42
27 14 43 00-0020 EA Six Port, Double Gang, Stainless Steel Communications Faceplate.....	19.51	2.42
27 14 43 00-0021 EA Eight Port, Double Gang, Stainless Steel Communications Faceplate.....	22.49	2.42
27 14 43 00-0022 EA Nine Port, Double Gang, Stainless Steel Communication Faceplate.....	22.49	2.42
27 14 43 00-0023 EA Twelve Port, Double Gang, Stainless Steel Communications Faceplate.....	22.49	2.42
27 14 43 00-0024 Stainless Steel Communications Faceplates With Station ID (27 14 43 00-0012)		
27 14 43 00-0025 EA One Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	18.85	2.42
27 14 43 00-0026 EA Two Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	18.85	2.42
27 14 43 00-0027 EA Three Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	18.85	2.42
27 14 43 00-0028 EA Four Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	18.85	2.42
27 14 43 00-0029 EA Six Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	18.85	2.42
27 14 43 00-0030 EA Four Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....	39.91	2.42
27 14 43 00-0031 EA Six Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....	39.91	2.42

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 43 00-0032 EA Eight Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	39.91	2.42
27 14 43 00-0033 EA Nine Port, Double Gang, Stainless Steel Communication Faceplate With Station ID	39.91	2.42
27 14 43 00-0034 EA Twelve Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	39.91	2.42
27 14 43 00-0035 Snap-In Modular Jacks (27 14 43)		
Note: Includes termination.		
27 14 43 00-0036 EA Cat 3, Snap-In Modular Jack	25.61	9.66
27 14 43 00-0037 EA Cat 5E, Snap-In Modular Jack	26.82	9.66
27 14 43 00-0038 EA Cat 5E Shielded, Snap-In Modular Jack	30.46	9.66
27 14 43 00-0039 EA Cat 6, Snap-In Modular Jack	30.46	9.66
27 14 43 00-0040 EA Cat 6 Shielded, Snap-In Modular Jack	34.54	9.66
27 14 43 00-0041 EA Cat 6A, Snap-In Modular Jack	35.16	9.66
27 14 43 00-0042 EA Voice, RJ-11, Snap-In Modular Jack	16.59	4.84
27 14 43 00-0043 EA SC Type Fiber Optic, Snap-In Modular Jack	28.36	9.66
27 14 43 00-0044 EA ST Type Fiber Optic, Snap-In Modular Jack	31.45	9.66
27 14 43 00-0045 EA LC Type Fiber Optic, Snap-In Modular Jack	37.52	9.66
27 14 43 00-0046 EA Blank Fill In, Snap-In Modular Jack	5.41	2.42
27 14 43 00-0047 EA Open Cable Pass Through Insert, Snap-In Modular Jack	6.06	2.42
27 14 43 00-0048 EA Coaxial F-Type Coupler, Snap-In Modular Jack	21.23	7.24
Note: Includes female to female connection.		
For Gold Bulkhead, Add 1.18		
27 14 43 00-0049 EA RCA Jack Pass-Through Coupler, Snap-In Modular Jack	21.45	7.24
Note: Includes female to female connection.		
27 14 43 00-0050 EA RCA Solder Coupler, Snap-In Modular Jack	43.84	9.66
27 14 43 00-0051 EA RCA Jack With 110 Punch Down, Snap-In Modular Jack	52.78	9.66
27 14 43 00-0052 EA 3.5 m Mini Stereo Jack, Snap-In Modular Jack	26.49	9.66
27 14 43 00-0053 EA MT-RJ Pass-Through Coupler, Snap-In Modular Jack	26.73	4.84
27 14 43 00-0054 EA BNC Connector, Snap-In Modular Jack	30.13	9.66
27 14 43 00-0055 EA S-Video With 110 Punch Down, Snap-In Modular Jack	33.44	9.66
27 14 43 00-0056 PR Speaker Connectors, Snap-In Modular Jack	43.73	14.50
Note: Includes a pair of binding posts, banana jacks or spring clip connectors. Requires two open ports.		
27 14 43 00-0057 EA USB Audio Video Connector, Snap-In Modular Jack	48.66	9.66
27 14 43 00-0058 Surface Mount Plastic Communication Boxes (27 14 43)		
Note: Excludes modular jacks. See CSI section 27 14 43 00-0035 for modular jacks.		
27 14 43 00-0059 EA One Port, Surface Mount Plastic Communication Box With Station ID	27.30	12.08
27 14 43 00-0060 EA Two Port, Surface Mount Plastic Communication Box With Station ID	27.85	12.08
27 14 43 00-0061 EA Four Port, Surface Mount Plastic Communication Box With Station ID	31.66	12.08
27 14 43 00-0062 EA Six Port, Surface Mount Plastic Communication Box With Station ID	36.18	12.08
27 14 43 00-0063 EA Twelve Port, Surface Mount Plastic Communication Box With Station ID	40.93	12.08
27 14 43 00-0064 Wall Mounted Telephone Faceplates (27 14 43)		
Note: Includes standard telephone mounting studs.		
27 14 43 00-0065 Plastic Faceplates For Wall Mounted Telephones (27 14 43 00-0064)		
27 14 43 00-0066 EA Single Gang, 6-Position RJ25 Jack, Flush, Plastic Faceplate For Wall Mounted Telephones	31.34	12.06
27 14 43 00-0067 Stainless Steel Faceplates For Wall Mounted Telephones (27 14 43 00-0064)		
27 14 43 00-0068 EA Single Gang, Keystone Opening, Flush, Stainless Steel Faceplate For Wall Mounted Telephones	25.09	4.83
Note: Requires one snap-in modular jack.		
27 14 43 00-0069 EA Single Gang, 6-Position RJ25 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones	44.99	12.06
27 14 43 00-0070 EA Single Gang, 8-Position RJ45 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones	52.51	14.48
27 14 43 00-0071 EA Single Gang, Keystone Opening, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	24.19	4.83
Note: Requires one snap-in modular jack.		
27 14 43 00-0072 EA Single Gang, 6-Position RJ25 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	41.18	12.06
27 14 43 00-0073 EA Single Gang, 8-Position RJ45 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	48.80	14.48
27 14 43 00-0074 Communications Equipment Labeling (27 14 43)		
27 14 43 00-0075 EA Label Both Ends Of One 4 Pair Cable	19.00	
27 14 43 00-0076 EA Label single gang face plate (2 labels required)	15.20	
27 14 43 00-0077 EA Label two gang face plate (4 labels required)	22.79	
27 14 43 00-0078 EA Label both ends of a Siamese (dual 4 Pair cable)	19.00	
27 14 53 Communications Cable Innerduct (27 14)		
Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.		
27 14 53 00-0001 Indoor Innerduct (27 14 53)		
27 14 53 00-0002 Indoor Innerduct, Installed In Conduit (27 14 53 00-0001)		
27 14 53 00-0003 Riser Rated, Indoor Innerduct, Installed In Conduit (27 14 53 00-0002)		
27 14 53 00-0004 MLF 1" Riser Rated, Indoor Innerduct, Installed In Conduit	3,555.11	1,447.52
27 14 53 00-0005 MLF 1-1/4" Riser Rated, Indoor Innerduct, Installed In Conduit	4,632.48	1,930.03
27 14 53 00-0006 MLF 1-1/2" Riser Rated, Indoor Innerduct, Installed In Conduit	6,074.98	2,412.54
27 14 53 00-0007 MLF 2" Riser Rated, Indoor Innerduct, Installed In Conduit	7,138.30	2,895.05



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27 14 53 00-0008 Plenum Rated, Indoor Innerduct, Installed In Conduit (27 14 53 00-0002)		
27 14 53 00-0009 MLF 1" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	4,959.49	1,447.52
27 14 53 00-0010 MLF 1-1/4" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	6,275.60	1,930.03
27 14 53 00-0011 MLF 1-1/2" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	8,251.77	2,412.54
27 14 53 00-0012 MLF 2" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	9,947.06	2,895.05
27 14 53 00-0013 Indoor Innerduct, Installed Exposed (27 14 53 00-0001)		
27 14 53 00-0014 Riser Rated, Indoor Innerduct, Installed Exposed (27 14 53 00-0013)		
27 14 53 00-0015 MLF 1" Riser Rated, Indoor Innerduct, Installed Exposed.....	4,520.13	1,930.03
For Work In Restricted Working Space, Add	1,158.02	
27 14 53 00-0016 MLF 1-1/4" Riser Rated, Indoor Innerduct, Installed Exposed.....	5,597.49	2,412.54
For Work In Restricted Working Space, Add	1,447.52	
27 14 53 00-0017 MLF 1-1/2" Riser Rated, Indoor Innerduct, Installed Exposed.....	7,040.00	2,895.05
For Work In Restricted Working Space, Add	1,737.03	
27 14 53 00-0018 MLF 2" Riser Rated, Indoor Innerduct, Installed Exposed.....	8,103.31	3,377.56
For Work In Restricted Working Space, Add	2,026.53	
27 14 53 00-0019 Plenum Rated, Indoor Innerduct, Installed Exposed (27 14 53 00-0013)		
27 14 53 00-0020 MLF 1" Plenum Rated, Indoor Innerduct, Installed Exposed.....	5,924.51	1,930.03
For Work In Restricted Working Space, Add	1,158.02	
27 14 53 00-0021 MLF 1-1/4" Plenum Rated, Indoor Innerduct, Installed Exposed.....	7,240.61	2,412.54
For Work In Restricted Working Space, Add	1,447.52	
27 14 53 00-0022 MLF 1-1/2" Plenum Rated, Indoor Innerduct, Installed Exposed.....	9,216.79	2,895.05
For Work In Restricted Working Space, Add	1,737.03	
27 14 53 00-0023 MLF 2" Plenum Rated, Indoor Innerduct, Installed Exposed.....	10,912.07	3,377.56
For Work In Restricted Working Space, Add	2,026.53	
27 14 53 00-0024 Outdoor Innerduct (27 14 53)		
27 14 53 00-0025 Outdoor Innerduct, Installed In Conduit (27 14 53 00-0024)		
27 14 53 00-0026 MLF 1" Outdoor Innerduct, Installed In Conduit.....	3,386.58	1,447.52
27 14 53 00-0027 MLF 1-1/4" Outdoor Innerduct, Installed In Conduit.....	4,383.96	1,930.03
27 14 53 00-0028 MLF 1-1/2" Outdoor Innerduct, Installed In Conduit.....	5,572.49	2,412.54
27 14 53 00-0029 MLF 2" Outdoor Innerduct, Installed In Conduit.....	6,662.78	2,895.05
27 14 53 00-0030 Outdoor Innerduct, Buried In Trench (27 14 53 00-0024)		
27 14 53 00-0031 MLF 1" Outdoor Innerduct, Buried In Trench.....	2,421.56	
27 14 53 00-0032 MLF 1-1/4" Outdoor Innerduct, Buried In Trench.....	3,418.94	
27 14 53 00-0033 MLF 1-1/2" Outdoor Innerduct, Buried In Trench.....	4,607.48	
27 14 53 00-0034 MLF 2" Outdoor Innerduct, Buried In Trench.....	5,697.76	
27 14 63 Communications Multimedia Modular Patch Panels (27 14)		
27 14 63 00-0001 Communications Multimedia Modular Patch Panels (27 14 63)		
Note: Unloaded multimedia patch panels that accept modular jacks for category 3, 5e, 6, fiber optic, etc. Excludes rack, modular jacks and terminations. See CSI section 27 14 43 00-0035 for modular jacks.		
27 14 63 00-0002 EA 12 Port, Wall Mount Multimedia Modular Patch Panel, Unloaded.....	80.89	4.83
27 14 63 00-0003 EA 16 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	89.16	4.83
27 14 63 00-0004 EA 24 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	105.15	4.83
27 14 63 00-0005 EA 36 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	110.06	4.83
27 14 63 00-0006 EA 48 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	120.56	6.03
27 14 63 00-0007 EA 24 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded.....	114.13	4.83
27 14 63 00-0008 EA 48 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded.....	143.23	6.03
27 14 63 00-0009 EA Rack Mount Rear Cable Management Bar.....	40.59	6.03
27 16 Communications Connecting Cords, Devices, And Adapters (27 10)		
27 16 16 Communications Media Converters, Adapters, and Transceivers (27 16)		
27 16 16 00-0001 Fiber Optic Receivers (27 16 16)		
27 16 16 00-0002 EA Fiber Optic Receiver, Range 6.2 Miles.....	656.00	48.25
27 16 16 00-0003 EA Fiber Optic MM Dual Video Receiver, Manual Gain.....	679.41	95.04
Note: With video presence Ind, RM.		
27 16 16 00-0004 Fiber Optic Transmitters (27 16 16)		
27 16 16 00-0005 EA Fiber Optic Transmitter, Range 6.2 Miles.....	655.99	48.25
27 16 16 00-0006 EA Fiber Optic MM Dual Video Transmitter Video Presence Indicator.....	679.41	95.04
27 16 16 00-0007 Fiber Optic Repeaters (27 16 16)		
Note: Consist of transmitter and receiver, back-to-back. Excludes power source.		
27 16 16 00-0008 EA Fiber Optic Repeater, 6.2 Miles Transmitter And Receiver Back-Back, No Power.....	752.48	96.51

27 Communications**27 10 Structured Cabling****27 16 Communications Connecting Cords, Devices, And Adapters**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 16 16 00-0009	EA		Fiber Optic Digital Repeater, 2,000 Miles Transmitter And Receiver Back-Back, No Power	1,192.90	193.00
27 16 16 00-0010			Fiber Optic Transceivers (27 16 16)		
27 16 16 00-0011	EA		Fiber Optic Transceivers, 3,000 Miles Range	813.38	193.00
27 16 16 00-0012	EA		Fiber Optic Transceivers, Digital 2,000 Miles Range	813.38	193.00
27 16 16 00-0013	EA		Fiber Optic Ethernet Transceiver	1,063.62	289.51
27 16 16 00-0014	EA		Transceiver (Low Cost Bi- Directional).....	375.42	72.38
27 16 19			Communications Patch Cords, Station Cords, And Cross Connect Wire (27 16)		
27 16 19 00-0001			Fiber Optic Patch Cords (27 16 19)		
27 16 19 00-0002			Simplex Fiber Optic Patch Cables (27 16 19 00-0001)		
27 16 19 00-0003			Singlemode, Simplex Fiber Optic Patch Cables (27 16 19 00-0002)		
27 16 19 00-0004	EA		ST To ST Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	33.74	
			<i>For Each Additional Meter In Length, Add</i>	0.26	
27 16 19 00-0005	EA		ST To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	27.92	
			<i>For Each Additional Meter In Length, Add</i>	0.26	
27 16 19 00-0006	EA		ST To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	35.48	
			<i>For Each Additional Meter In Length, Add</i>	0.26	
27 16 19 00-0007	EA		SC To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	29.25	
			<i>For Each Additional Meter In Length, Add</i>	0.26	
27 16 19 00-0008	EA		SC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	33.49	
			<i>For Each Additional Meter In Length, Add</i>	0.26	
27 16 19 00-0009	EA		LC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	33.02	
			<i>For Each Additional Meter In Length, Add</i>	0.26	
27 16 19 00-0010			Duplex Fiber Optic Patch Cables (27 16 19 00-0001)		
27 16 19 00-0011			Singlemode, Duplex Fiber Optic Patch Cables (27 16 19 00-0010)		
27 16 19 00-0012	EA		ST To ST Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	57.12	
			<i>For Each Additional Meter In Length, Add</i>	0.51	
27 16 19 00-0013	EA		ST To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	55.48	
			<i>For Each Additional Meter In Length, Add</i>	0.51	
27 16 19 00-0014	EA		ST To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	61.31	
			<i>For Each Additional Meter In Length, Add</i>	0.51	
27 16 19 00-0015	EA		SC To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	48.16	
			<i>For Each Additional Meter In Length, Add</i>	0.51	
27 16 19 00-0016	EA		SC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	56.64	
			<i>For Each Additional Meter In Length, Add</i>	0.51	
27 16 19 00-0017	EA		LC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	55.71	
			<i>For Each Additional Meter In Length, Add</i>	0.51	
27 16 19 00-0018			Multimode, Duplex Fiber Optic Patch Cables (27 16 19 00-0010)		
27 16 19 00-0019	EA		ST To ST Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	43.68	
			<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0020	EA		ST To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	47.48	
			<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0021	EA		ST To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	47.87	
			<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0022	EA		ST To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	49.09	
			<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0023	EA		SC To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	43.84	
			<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0024	EA		SC To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	49.30	
			<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0025	EA		SC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	57.55	
			<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0026	EA		MTRJ To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	40.33	
			<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0027	EA		LC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	48.59	
			<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0028			Fiber Optic Cable Pig Tail (27 16 19)		
27 16 19 00-0029	EA		Simplex Fiber Optic Cable Pig Tail	61.59	33.77
27 16 19 00-0030	EA		Duplex Fiber Optic Cable Pig Tail.....	75.39	33.77
27 16 19 00-0031			Ethernet Patch Cords (27 16 19)		
27 16 19 00-0032	EA		3' Category 5E Patch Cables With Boots.....	11.85	
27 16 19 00-0033	EA		5' Category 5E Patch Cables With Boots.....	12.88	
27 16 19 00-0034	EA		7' Category 5E Patch Cables With Boots.....	13.93	
27 16 19 00-0035	EA		10' Category 5E Patch Cables With Boots.....	20.28	
27 16 19 00-0036	EA		15' Category 5E Patch Cables With Boots.....	25.52	
27 16 19 00-0037	EA		25' Category 5E Patch Cables With Boots.....	33.43	
27 16 19 00-0038	EA		3' Category 6 Patch Cables With Boots	13.08	
27 16 19 00-0039	EA		5' Category 6 Patch Cables With Boots	15.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 16 19 00-0040 EA 7' Category 6 Patch Cables With Boots.....	15.77	
27 16 19 00-0041 EA 10' Category 6 Patch Cables With Boots.....	19.02	
27 16 19 00-0042 EA 15' Category 6 Patch Cables With Boots.....	25.12	
27 16 19 00-0043 EA 25' Category 6 Patch Cables With Boots.....	31.29	
27 16 19 00-0044 EA 50' Category 6 Patch Cables With Boots.....	48.63	
27 16 19 00-0045 EA 100' Category 6 Patch Cables With Boots.....	84.61	
27 16 19 00-0046 EA 3' Category 6A Patch Cables With Boots.....	23.80	
27 16 19 00-0047 EA 5' Category 6A Patch Cables With Boots.....	25.37	
27 16 19 00-0048 EA 7' Category 6A Patch Cables With Boots.....	26.54	
27 16 19 00-0049 EA 10' Category 6A Patch Cables With Boots.....	30.70	
27 16 19 00-0050 EA 15' Category 6A Patch Cables With Boots.....	37.40	
27 16 19 00-0051 EA 25' Category 6A Patch Cables With Boots.....	47.50	
27 16 19 00-0052 EA 50' Category 6A Patch Cables With Boots.....	70.17	
27 16 19 00-0053 EA 100' Category 6A Patch Cables With Boots.....	123.79	
27 16 19 00-0054 EA 3' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E03-06).....	11.85	
27 16 19 00-0055 EA 5' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E05-06).....	12.88	
27 16 19 00-0056 EA 7' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E07-06).....	13.93	
27 16 19 00-0057 EA 10' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E10-06).....	20.28	
27 16 19 00-0058 EA 15' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E15-06).....	25.52	
27 16 19 00-0059 EA 25' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E25-06).....	33.43	
27 16 19 00-0060 EA 3' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC603-06).....	13.08	
27 16 19 00-0061 EA 5' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC605-06).....	15.72	
27 16 19 00-0062 EA 7' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC607-06).....	15.77	
27 16 19 00-0063 EA 10' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC610-06).....	19.02	
27 16 19 00-0064 EA 15' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC615-06).....	25.12	
27 16 19 00-0065 EA 25' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC625-06).....	31.29	
27 16 19 00-0066 EA 3' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A03-09).....	23.80	
27 16 19 00-0067 EA 5' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A05-09).....	25.37	
27 16 19 00-0068 EA 7' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A07-09).....	26.54	
27 16 19 00-0069 EA 10' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A10-09).....	30.70	
27 16 19 00-0070 EA 15' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A15-09).....	37.40	
27 16 19 00-0071 EA 25' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A25-09).....	47.50	
27 16 19 00-0072 Cross Connect Wire (27 16 19)		
Note: Up to 20' length.		
27 16 19 00-0073 EA 2-Pair Cross Connect Wire.....	16.17	
27 16 19 00-0074 EA 3-Pair Cross Connect Wire.....	21.72	
27 16 19 00-0075 EA 4-Pair Cross Connect Wire.....	27.17	
27 20 Data Communications (27)		
27 21 Data Communications Network Equipment (27 20)		
Note: Includes testing of new devices and certification.		
27 21 16 Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems (27 21)		
27 21 16 00-0001 Fiber Optic Modems (27 21 16)		
27 21 16 00-0002 EA Fiber Optic Modems, Range 6.2 Miles.....	1,318.47	193.00
27 21 16 00-0003 EA Fiber Optic Modem, Range 3.1 Miles, 12 Channel.....	2,484.06	193.00
27 21 16 00-0004 Ethernet Hubs and Switches (27 21 16)		
27 21 16 00-0005 EA 16 Port Managed Hub With Fiberport And Standard Management.....	2,353.38	144.95
27 21 16 00-0006 EA 16 Port Unmanaged Hub.....	448.96	96.64
27 21 16 00-0007 EA 12 Port, Industrial Ethernet Switch (Cisco IE-4000-4GC4GP4G-E).....	4,807.27	96.64
27 21 16 00-0008 EA Power Supply (Cisco PWR-IE170W-PC-AC).....	880.39	48.32
27 21 16 00-0009 Network Equipment (27 21 16)		
27 21 16 00-0010 Communications Entrance Protection (27 21 16 00-0009)		
27 21 16 00-0011 EA 100-Pair, 5 Pin Configuration, 110 Termination, Building Entrance Terminal With Cover (Porta 24100-110-M110C).....	688.35	72.48
Note: Excludes terminations.		
27 21 16 00-0012 EA Solid State Protector Module With 4 OHM Heat Coils (CommScope 4C1S).....	8.36	0.96
27 21 16 00-0013 Communications Cabinets, Racks, Frames And Enclosures (27 21 16 00-0009)		
27 21 16 00-0014 EA 19" Width x 36" Height x 24" Depth, Wall Mounted Telecommunications Enclosure (Chatsworth 11840-736).....	827.49	72.48
For Fan Kit (Chatsworth 12804-701), Add	109.64	
27 21 16 00-0015 EA 10 Outlet, 125 Volt, 20 Amp Telecommunications Cabinet Power Strip (Chatsworth 13239-757).....	722.20	4.84
27 21 16 00-0016 Communications Termination Blocks And Patch Panels (27 21 16 00-0009)		
27 21 16 00-0017 Communications Termination Blocks (27 21 16 00-0016)		
27 21 16 00-0018 EA 4-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058810).....	259.03	14.48
27 21 16 00-0019 EA 5-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058802).....	241.22	14.48
27 21 16 00-0020 EA 4-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058869).....	575.20	14.48
27 21 16 00-0021 EA 5-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058851).....	535.13	14.48

27	Communications
27 20	Data Communications
27 21	Data Communications Network Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0022 EA 110 Connector System Mounting Brackets (CommScope 107535593).....	82.68	14.48
27 21 16 00-0023 EA 110 Connector System Mounting Brackets (CommScope 107535585).....	89.16	14.48
27 21 16 00-0024 EA 110 Connector System Mounting Brackets (CommScope 107098816).....	101.27	14.48
27 21 16 00-0025 Communications Copper Patch Panels (2721 16 00-0016) Note: Excludes cabinet and terminations.		
27 21 16 00-0026 EA 24 Port, Category 5E Patch Panel (CommScope 108208919).....	258.46	31.40
27 21 16 00-0027 EA 48 Port, Category 5E Patch Panel (CommScope 108208935).....	468.59	38.66
27 21 16 00-0028 EA 24 Port, Category 6 Patch Panel (CommScope 760062372).....	380.52	31.40
27 21 16 00-0029 EA 48 Port, Category 6 Patch Panel (CommScope 760062380).....	707.62	38.66
27 21 16 00-0030 Communications Optical Fiber Patch Panels (2721 16 00-0016)		
27 21 16 00-0031 Closet Connector Housings (2721 16 00-0030)		
27 21 16 00-0032 EA 48 Fiber Total Capacity, Closet Connector Housing (Corning CCH-01U).....	294.29	19.32
Note: Accepts up to 2 closet connector housing panels. Excludes panels.		
27 21 16 00-0033 EA 96 Fiber Total Capacity, Closet Connector Housing (Corning CCH-02U).....	342.64	19.32
Note: Accepts up to 4 closet connector housing panels. Excludes panels.		
27 21 16 00-0034 EA 288 Fiber Total Capacity, Closet Connector Housing (Corning CCH-04U).....	426.00	19.32
Note: Accepts up to 12 closet connector housing panels. Excludes panels.		
27 21 16 00-0035 EA SC Duplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-91).....	92.61	9.66
27 21 16 00-0036 EA SC Duplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-59).....	125.40	9.66
27 21 16 00-0037 EA SC Simplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-56).....	104.19	9.66
27 21 16 00-0038 EA SC Simplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-3C).....	136.00	9.66
27 21 16 00-0039 Communications Cable Management (2721 16 00-0009)		
27 21 16 00-0040 Horizontal Cable Communication Cable Management (2721 16 00-0039)		
27 21 16 00-0041 EA 1.7" Height, 19" Width, 3.7" Depth, 1 RU, Front Only, Horizontal Cable Manager (Panduit WMPFSE).....	99.90	19.32
27 21 16 00-0042 EA 3-1/2" Height, 19" Width, 3.7" Depth, Horizontal Cable Manager (Panduit WMPF1E).....	103.07	19.32
27 21 16 00-0043 Vertical Communication Cable Management (2721 16 00-0039)		
27 21 16 00-0044 EA 6" Width x 84" Height, Double-Sided Vertical Cabling Section (Chatsworth 11729-703).....	578.36	48.32
27 21 16 00-0045 EA 19" Width x 84" Height, Universal Rack (Chatsworth 48353-703).....	598.89	48.32
27 21 16 00-0046 EA 23" Width x 84" Height, Universal Rack (Chatsworth 48383-703).....	645.12	48.32
27 21 16 00-0047 Communications Patch Cords, Station Cords, And Cross Connect Wire (2721 16 00-0009)		
27 21 16 00-0048 Premise Cross-Connect Wire (2721 16 00-0047)		
27 21 16 00-0049 LF 1-Pair, 22 AWG Premise Cross-Connect Wire (General Cable 7041973).....	0.99	0.48
27 21 16 00-0050 Pathways For Communications Systems (2721 16 00-0009)		
27 21 16 00-0051 Conduits And Backboxes For Communication Systems (2721 16 00-0050)		
27 21 16 00-0052 Flexible Conduit For Communication Systems (2721 16 00-0051)		
27 21 16 00-0053 CLF 1" Diameter, Riser Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlton DF4X1C).....	391.12	173.70
27 21 16 00-0054 CLF 1" Diameter, Plenum Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlton CF4X1C).....	557.11	173.70
27 21 16 00-0055 Tube Cables For Communication Systems (2721 16 00-0051)		
27 21 16 00-0056 Outdoor/All-Dielectric Tube Cables (2721 16 00-0055)		
27 21 16 00-0057 CLF Two Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC02TOX).....	332.71	115.80
27 21 16 00-0058 CLF Seven Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC07TOX).....	495.14	144.75
27 21 16 00-0059 CLF Nineteen Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC19TOX).....	820.12	173.70
27 21 16 00-0060 Indoor/Riser Rated Tube Cables (2721 16 00-0055)		
27 21 16 00-0061 CLF Two Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC02TRX).....	381.06	115.80
27 21 16 00-0062 CLF Four Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC04TRX).....	465.64	130.28
27 21 16 00-0063 CLF Seven Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC07TRX).....	528.72	144.75
27 21 16 00-0064 CLF Nineteen Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC19TRX).....	971.92	173.70
27 21 16 00-0065 Indoor/Plenum Rated Tube Cables (2721 16 00-0055)		
27 21 16 00-0066 CLF Single Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC01TPX).....	280.32	115.80
27 21 16 00-0067 CLF Two Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC02TP2).....	403.90	115.80
27 21 16 00-0068 CLF Four Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC04TP2).....	621.47	130.28
27 21 16 00-0069 CLF Seven Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC07TP2).....	903.51	144.75
27 21 16 00-0070 CLF Nineteen Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC19TP2).....	2,805.55	173.70
27 21 16 00-0071 Unjacketed Single Tube Cables (2721 16 00-0055)		
27 21 16 00-0072 CLF Single Tube, Unjacketed Single Tube Cable (Sumitomo TC01TGX).....	242.70	115.80



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0073 Multimode Fiber Bundles <small>(2721 16 00-0055)</small>		
Note: Includes optical fiber cables.		
27 21 16 00-0074 CLF 2-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FR02M6)	103.57	34.74
27 21 16 00-0075 CLF 4-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB04M6)	155.96	34.74
27 21 16 00-0076 CLF 6-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB06M6)	212.38	34.74
27 21 16 00-0077 CLF 12-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB12M6)	384.33	34.74
27 21 16 00-0078 CLF 18-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB18M6)	556.52	40.53
27 21 16 00-0079 CLF 24-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB24M6)	728.46	40.53
27 21 16 00-0080 Singlemode Fiber Bundles <small>(2721 16 00-0055)</small>		
Note: Includes optical fiber cables.		
27 21 16 00-0081 CLF 2-Fiber, Singlemode Fiber Bundle (Sumitomo FR02SX)	92.83	34.74
27 21 16 00-0082 CLF 4-Fiber, Singlemode Fiber Bundle (Sumitomo FB04SX)	115.66	34.74
27 21 16 00-0083 CLF 6-Fiber, Singlemode Fiber Bundle (Sumitomo FB06SX)	134.47	34.74
27 21 16 00-0084 CLF 12-Fiber, Singlemode Fiber Bundle (Sumitomo FB12SX)	170.74	34.74
27 21 16 00-0085 CLF 18-Fiber, Singlemode Fiber Bundle (Sumitomo FB18SX)	260.99	40.53
27 21 16 00-0086 CLF 24-Fiber, Singlemode Fiber Bundle (Sumitomo FB24SX)	342.93	40.53
27 21 16 00-0087 Tube Distribution Cabinets <small>(2721 16 00-0055)</small>		
27 21 16 00-0088 EA Modular Tube Distribution Cabinet (Sumitomo DE06MDU)	201.11	48.32
Note: Up to six 7-tube cables or two 19-tube cables.		
27 21 16 00-0089 Modular Fiber Termination Cabinets <small>(2721 16 00-0055)</small>		
27 21 16 00-0090 EA 24-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT24WFM)	253.78	48.32
27 21 16 00-0091 EA 48-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT48WFM)	270.44	48.32
27 21 16 00-0092 Tube Distribution Accessories <small>(2721 16 00-0055)</small>		
27 21 16 00-0093 EA Plastic Push/Pull Quick Release Pneumatic Cap For 8 mm Tube (Sumitomo DE08MA)	11.53	4.84
27 21 16 00-0094 EA Plastic Push/Pull Quick Release Pneumatic Coupling For 8 mm Tube (Sumitomo DE08MC2)	12.70	4.84
27 21 16 00-0095 EA Brass Push/Pull Quick Release Pneumatic Coupling For 8 mm Bulkhead Tube (Sumitomo DE08MB)	15.70	4.84
27 21 16 00-0096 Communications Optical Fiber Cabling <small>(2721 16 00-0009)</small>		
27 21 16 00-0097 Communications Optical Fiber Cable Splicing And Terminations <small>(2721 16 00-0096)</small>		
27 21 16 00-0098 Field Installed Fiber Connectors <small>(2721 16 00-0097)</small>		
27 21 16 00-0099 EA SC Type, Singlemode, Field Installed Fiber Connector (Corning 95-200-42)	33.41	7.24
27 21 16 00-0100 EA SC Type, 62.5 Micron Multimode, Field Installed Fiber Connector (Corning 95-000-41)	29.56	7.24
27 21 16 00-0101 Buffer Tube Fan-Out Kits <small>(2721 16 00-0097)</small>		
27 21 16 00-0102 Buffer Tube Breakout Kits (Sumitomo) <small>(2721 16 00-0101)</small>		
Note: Includes 900 micron tubing.		
27 21 16 00-0103 EA 2-Fiber Breakout Kit (Sumitomo FTFLD02)	209.12	96.51
27 21 16 00-0104 EA 4-Fiber Breakout Kit (Sumitomo FTFLD04)	213.15	96.51
27 21 16 00-0105 EA 6-Fiber Breakout Kit (Sumitomo FTFLD06)	216.71	96.51
27 21 16 00-0106 EA 12-Fiber Breakout Kit (Sumitomo FTFLD12)	227.77	96.51
27 21 16 00-0107 EA 18-Fiber Breakout Kit (Sumitomo FTFLD18)	242.89	96.51
27 21 16 00-0108 EA 24-Fiber Breakout Kit (Sumitomo FTFLD24)	254.12	96.51
27 21 16 00-0109 Buffer Tube Fan-Out Kits (Corning) <small>(2721 16 00-0101)</small>		
27 21 16 00-0110 EA 12 Fiber, 25' Tube Length, Indoor Buffer Tube Fan-Out Kit (Corning Fan-BT25-12)	210.99	96.51
27 21 16 00-0111 EA 12 Fiber, 25' Tube Length, Outdoor Buffer Tube Fan-Out Kit (Corning Fan-OD25-12)	250.90	96.51
27 21 16 00-0112 Communications Copper Cabling <small>(2721 16 00-0009)</small>		
27 21 16 00-0113 Copper Communications Cable Splicing And Terminations <small>(2721 16 00-0112)</small>		
27 21 16 00-0114 Copper Communications Cable Splice Cases <small>(2721 16 00-0113)</small>		
27 21 16 00-0115 EA 6.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000626)	790.96	193.00
27 21 16 00-0116 EA 9.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000630)	906.70	193.00
27 21 16 00-0117 EA 12.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8006219)	1,291.29	193.00
27 21 16 00-0118 Modular Splice Connectors <small>(2721 16 00-0113)</small>		
27 21 16 00-0119 EA 25-Pair, Straight Body Only, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-SC1-25)	102.13	48.25
27 21 16 00-0120 EA 25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Dry Modular Splice Connector (3M 710-SD1-25)	100.88	48.25
27 21 16 00-0121 EA 25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-TC1-25)	102.15	48.25
27 21 16 00-0122 EA 25-Pair, Bridge Body, 26-22 Gauge Cable, Filled Modular Splice Connector (3M 710-BC1-25)	101.98	48.25



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 21 19 Data Communications Network Management (27 21)

27 21 19 00-0001 Data Communications Network Management (27 21 19)

27 21 19 00-0002	EA	3 Port, Terminal/Serial Device Server (Comtrol 99560-9)	517.29	24.13
27 21 19 00-0003	EA	2 Port, Terminal/Serial Device Server (Comtrol 99550-0)	402.40	24.13
27 21 19 00-0004	EA	4 Port, DB9 Terminal/Serial Device Server (Comtrol 99445-9)	541.75	24.13
27 21 19 00-0005	EA	4 Port, DB9 Terminal/Serial Device Server (Comtrol 99448-0)	849.46	24.13
27 21 19 00-0006	EA	24 Watt, Din Rail Mountable, Power Adapter (Comtrol PS1020)	90.92	
27 21 19 00-0007	EA	Remote Data Port, Spectra Positioning System (Pelco IPS_RDPE_2)	295.47	14.48
27 21 19 00-0008	EA	Sennetech Code Translator (Pelco SCT_100_AD232)	610.90	24.13
27 21 19 00-0009	EA	VPN Router (Cisco 819HG)	3,261.37	309.24
27 21 19 00-0010	EA	Cisco Catalyst 3000 Series Switches (Cisco IE-3000 - 8TC)	2,362.54	309.24
27 21 19 00-0011	EA	WS-C4507R+E Chassis, Two WS-X4648-RJ45V+E, Sup7L-E, LAN Base (Cisco WS-C4507RE+96V+)	19,732.11	115.80
27 21 19 00-0012	EA	SMARTnet Extended Service Agreement, SNTC-8X5XNBD WS-C4507R+E Chassis, 2 WS-X4648-RJ45V+E (Cisco CON-SNT-C4507REV)	1,498.82	
27 21 19 00-0013	EA	Sup8-E And WS-X4748-RJ45V+E Upgrade For Bundle (Cisco C4500E-S7L-S8)	9,635.01	115.80
27 21 19 00-0014	EA	Catalyst 4500 E-Series Redundant Supervisor 8-E (Cisco WS-X45-SUP8-E/2)	16,721.59	115.80
27 21 19 00-0015	EA	Catalyst 4500 2GB SD Memory Card (Cisco SD-X45-2GB-E)	405.54	9.66
27 21 19 00-0016	EA	Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV)	2,483.13	12.06
27 21 19 00-0017	EA	Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV/2)	2,483.13	12.06
27 21 19 00-0018	EA	13', NEMA 6-20 To IEC-C19 Power Cable (Cisco CAB-US620P-C19-US)	54.26	4.84
27 21 19 00-0019	EA	1000BASE-SX SFP Transceiver Module, MMF, 850nm, DOM (Cisco GLC-SX-MMD=)	508.01	48.25
27 21 19 00-0020	EA	Cisco Catalyst 3850 24 Port Data IP Base (Cisco WS-C3850-24TS)	5,396.13	115.80
27 21 19 00-0021	EA	SMARTnet Extended Service Agreement, 8X5XNBD Cisco Catalyst 3850 24 Port Data IP Base (Cisco CON-SNT-WSC384TS)	1,262.40	
27 21 19 00-0022	EA	North America AC Type A Power Cable (Cisco CAB-TA-NA)	54.26	4.84
27 21 19 00-0023	EA	350 Watt AC Power Supply (Cisco PWR-C1-350WAC)	435.63	12.06
27 21 19 00-0024	EA	Cisco Catalyst 3850 4x1GE Network Module (Cisco C3850-NM-4-1G)	423.39	12.08
27 21 19 00-0025	EA	1', Catalyst 3750X and 3850 Stack Power Cable (Cisco CAB-SPWR-30CM)	97.75	4.84
27 21 19 00-0026	EA	Rack Mount Switch 16 100 SFP 8 10/100 PoE 2 Geuplinks (Cisco IE-3010-16S-8PC)	4,488.96	115.80
27 21 19 00-0027	EA	SMARTnet Extended Service Agreement, 8X5XNBD IA Rack Mount Switch 16 100 SFP 8 10/10 (Cisco CON-SNT-301016S8)	834.16	
27 21 19 00-0028	EA	IE 3010 Power Supply (Cisco PWR-RGD-AC-DC/IA)	599.56	12.06
27 21 19 00-0029	EA	IE 3010 AC-DC Redundant Power Supply (Cisco PWR-RGD-AC-DC/IAR)	755.69	12.06
27 21 19 00-0030	EA	4 Ethernet 10/100 Ports And 2 Dual-Purpose Uplinks, Industrial Ethernet Switch (Cisco IE-3000-4TC)	1,653.97	115.80
27 21 19 00-0031	EA	Expansion Power Module For Cisco IE-3000-4TC (Cisco PWR-IE50W-AC-IEC)	347.56	12.08
27 21 19 00-0032	EA	4 Port, Expansion SFP Module for IE-3000-4TC (Cisco IEM-3000-4SM)	1,380.23	12.08

27 21 33 Data Communications Wireless Access Points (27 21)

27 21 33 00-0001 Data Communications Wireless Access Points (27 21 33)

27 21 33 00-0002	EA	Base Station Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-BSU)	4,205.81	144.75
27 21 33 00-0003	EA	Base Station Unit, 300 Mbps, MIMO 2x2, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1)	8,416.71	144.75
27 21 33 00-0004	EA	Base Station Unit, 300 Mbps, MIMO 2x2, 16 dBi, 90 Degree Sector Antenna US PoE (Proxim Wireless MP-8250-BS9)	7,143.78	144.75
27 21 33 00-0005	EA	Subscriber Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-SUA)	1,395.17	144.75
27 21 33 00-0006	EA	Subscriber Unit, 300 Mbps, MIMO 2x2, 23 dBi, Panel Antenna US PoE (Proxim Wireless MP-8250-SUR)	1,632.00	160.35
27 21 33 00-0007	EA	Base Station Unit, 300 Mbps, MIMO 3x3, GPS Sync Ready, Type-N Connectors - US PoE (Proxim Wireless MP-8200-BSU-G)	2,208.96	160.35
27 21 33 00-0008	EA	Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1-G)	3,258.23	160.35
27 21 33 00-0009	EA	Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 16 dBi, 90° Sector Antenna - US PoE (Proxim Wireless MP-8250-BS9-G)	3,258.23	160.35
27 21 33 00-0010	EA	50 Mbps (upgradable to 100 Mbps), MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-50)	664.69	53.44
27 21 33 00-0011	EA	100 Mbps, MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-100)	757.03	53.44
27 21 33 00-0012	EA	Gigabit, 32W, PoE Injector With RJ45 And Reload Button (Proxim Wireless ETH-POEINJ-1G)	136.69	26.72
27 21 33 00-0013	EA	Surge, Gigabit Surge Protector With Shielded RJ45 (Proxim Wireless ETH-SURGE-1G)	136.69	26.72
27 21 33 00-0014	EA	ORINOCO Dual Band Range Extender Antenna (Proxim Wireless 1086-REA)	253.44	48.25
27 21 33 00-0015	EA	5 dBi, ORINOCO 2.4GHz Omni Antenna (Proxim Wireless 1086-OA24-5)	199.91	48.25
27 21 33 00-0016	EA	8.5 dBi, ORINOCO 2.4GHz Panel Antenna (Proxim Wireless 1086-PA24-8.5)	285.07	48.25
27 21 33 00-0017	EA	9.5 dBi, ORINOCO 2.4GHz Panel Antenna (Proxim Wireless 1086-PA24-9.5)	285.07	48.25
27 21 33 00-0018	EA	7 dBi, ORINOCO 5GHz Panel Antenna (Proxim Wireless 1086-PA50-7)	272.90	48.25
27 21 33 00-0019	EA	FlexPort23 330 Mbps With Rectangular Antenna Interface, Band 6 (BridgeWave Communications FP23-1200R6)	28,172.27	96.51
27 21 33 00-0020	EA	FlexPort23 330 Mbps With Rectangular Antenna Interface, Band 7 (BridgeWave Communications FP23-1200R7)	28,172.27	96.51
27 21 33 00-0021	EA	FlexPort uWave AdaptRate And Modulation Feature Upgrade (BridgeWave Communications FPUWAVE-UP-ARM)	2,311.33	
27 21 33 00-0022	EA	FlexPort 18 (23) Capacity Upgrade, 330-660 Mbps (BridgeWave Communications FP18(23)CU330-660)	2,432.98	
27 21 33 00-0023	EA	SFP, GigE, Multimode Fiber (LC) Interface (BridgeWave Communications BRG171-00511)	230.72	24.13
27 21 33 00-0024	EA	1' High Performance Dish Antenna, Low Profile, 21.2-23.6 GHz, WR42 Flange, SOI (Radio Waves HPLP1-23RR)	693.68	48.25
27 21 33 00-0025	EA	FPUWave 2nd Year Extended Warranty And NDR (BridgeWave Communications FPU-WAVE-EWNR-2)	4,196.89	
27 21 33 00-0026	EA	Cisco #AIR-ANT5959, 2.4 GHZ - 2.0/2.35 dBi antenna	449.44	48.25
27 21 33 00-0027	EA	Verizon LTE Modem (Sierra Wireless AirLink GX440 LTE VZW)	1,139.90	48.25
27 21 33 00-0028	EA	Cellular Phone / Wi-Fi Antenna (Sierra Wireless AP-CWG-Q-S22-WH)	350.80	48.25
27 21 33 00-0029	EA	AirLink GX400 Modem Mounting Bracket (Sierra Wireless 1202404)	52.96	
27 21 33 00-0030	EA	Cell LTE MIMO Antenna (Sierra Wireless 1810075)	78.07	19.30
27 21 33 00-0031	EA	AirLink GX400 Power Adapter (Sierra Wireless 2700384)	49.12	
27 21 33 00-0032	EA	AirLink GX400 Power Cable (Sierra Wireless 2000380)	34.02	
27 21 33 00-0033	EA	Cellular/PCS/LTE, Hockey Puck Antenna (Sierra Wireless AP-C-Q-S2-BL)	240.49	48.25
27 21 33 00-0034	EA	Cellular/PCS/LTE/GPS, Multi-Band Antenna (Sierra Wireless AP-CG-Q-S22-BL)	263.71	48.25
27 21 33 00-0035	EA	2 Way, RF Power Divider, 790-920 MHZ (Telewave ANTPD28D)	295.90	48.32



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 33 00-0036 EA Wireless Cellular Modem (Sierra Wireless AirLink GX400 EVDO/GPS).....	701.16	72.48
27 21 33 00-0037 EA Wireless Cellular Modem (Sierra Wireless AirLink GX440 LTE/EVDO/GPS).....	886.95	72.48
27 21 33 00-0038 EA Wireless Cellular Modem (Sierra Wireless AirLink GX450 Rugged).....	794.06	72.48
27 21 33 00-0039 EA Magnetic Mount Cellular Antenna (Wilson Electronics 301125).....	53.99	14.48
27 21 33 00-0040 EA Yagi Antenna, 890-960 MHz, 10 dBd Gain (PCTEL Bluewave Antennas BGYD890K).....	223.95	53.44
27 21 33 00-0041 EA Andrew® Omni Antenna, 890-960 MHz, 360° Horizontal Beamwidth, Fixed Electrical Tilt, Fits On 38-51 mm (1-1/2 to 2 in) OD Pipe (Commscope DB583-Y).....	138.28	53.44
27 21 33 00-0042 EA PowerBridge M5: Carrier Class 5GHz MIMO Bridging Solution Featuring Super Efficient 25dBi MIMO Antenna Array (Ubiquiti Networks PBM-5).....	376.43	48.32
27 21 33 00-0043 EA Single Channel Bluetooth Sensor With Bluetooth Module And Antenna (DeepBlue SC).....	3,548.18	48.32
27 21 33 00-0044 EA Point-to-Point Wireless Bridge (Proxim Tsunami® QB-10150).....	2,854.50	48.25

27 30 Voice Communications ⁽²⁷⁾

27 31 Voice Communications Switching and Routing Equipment ^(27 30)

Note: Includes testing of new devices and certification.

27 31 13 PBX/Key Systems ^(27 31)

27 31 13 00-0001 Interior PBX Telephone System ^(27 31 13)	Note: Includes telephone instruments cabling and solid state switching.	
27 31 13 00-0002 Interior PBX Telephone System ^(27 31 13 00-0001)	Note: Cost is for each line up to 1000 lines.	
27 31 13 00-0003 EA 1 Line PBX Connection, Cost Per Each Line Up To 1,000.....	1,303.30	503.40
27 31 13 00-0004 Additional Telephones Less Solid State Switching (PBX) ^(27 31 13 00-0001)		
27 31 13 00-0005 EA Add For Each Additional PBX Phone Line Less Solid State Switching.....	383.61	39.57
27 31 13 00-0006 Telephones ^(27 31 13 00-0001)		
27 31 13 00-0007 EA Telephones, Desk Type Intercommunication Equipment.....	161.49	37.63
27 31 13 00-0008 EA Telephones, Wall Type Intercommunication Equipment.....	186.86	50.18

27 32 Voice Communications Terminal Equipment ^(27 30)

Note: Includes testing of new devices and certification.

27 32 19 Interior Telephone System ^(27 32)

27 32 19 00-0001 Components ^(27 32 19)		
27 32 19 00-0002 EA Solid State Exchange Unit With Power Supply.....	4,675.38	881.83
27 32 19 00-0003 EA Dial Telephone - Handset In Cabinet.....	546.08	72.09
27 32 19 00-0004 EA Elevator Cab Telephone With Trailer Cable.....	295.58	77.30
27 32 19 00-0005 EA Loud Ring Bell, 6".....	236.91	71.70
27 32 19 00-0006 EA Audio/Visual Indicator.....	291.12	67.55
27 32 19 00-0007 EA Administrative Telephone With Digital Display.....	298.82	60.61
27 32 19 00-0008 EA Processing Unit For 16 Station System.....	1,568.59	494.38
27 32 19 00-0009 EA Handset For 16 Station System.....	213.63	49.21
27 32 19 00-0010 EA Handset In Cabinet, For 16 Station System.....	289.26	66.40
27 32 19 00-0011 MLF 20 Conductor Unshielded Cable, #22.....	2,213.88	1,064.13
27 32 19 00-0012 EA Power Supply For 16 Station System.....	300.08	131.34
27 32 19 00-0013 EA Intercom Terminal Board.....	279.61	147.84
27 32 19 00-0014 EA Power Supply For Five Station System, 24 Volt DC.....	309.58	131.34
27 32 19 00-0015 EA Telephone Communication Board, Insulated Blueboard 24" x 24" x 1/2" Thick.....	146.48	53.99
27 32 19 00-0016 EA Telephone Cabinet With Backboard 24" High x 24" Wide x 6" Deep.....	435.46	118.83
27 32 19 00-0017 EA Telephone Cabinet With Backboard 30" High x 24" Wide x 6" Deep.....	511.86	135.07
27 32 19 00-0018 EA Telephone Cabinet With Backboard 30" High x 30" Wide x 6" Deep.....	619.04	159.86
27 32 19 00-0019 EA Telephone Cabinet With Backboard 36" High x 30" Wide x 6" Deep.....	723.42	172.83
27 32 19 00-0020 EA Telephone Cabinet With Backboard 48" High x 30" Wide x 6" Deep.....	1,095.17	196.64
27 32 19 00-0021 EA Ring Rung 3".....	9.97	5.38
27 32 19 00-0022 EA G66B50 Telephone Blocks Including 50 Terminators, Exterior Ring, Marking, ID.....	24.14	9.56
27 32 19 00-0023 EA G110 Data Blocks Including Terminator, Exterior Ring, Marking, ID And Testing.....	45.09	19.59
27 32 19 00-0024 Accessories ^(27 32 19)		
27 32 19 00-0025 EA Blank Telephone Receptacle, Exposed Devices - Complete.....	10.98	5.21
27 32 19 00-0026 EA 4-Pin Telephone Receptacle, Exposed Devices - Complete.....	24.96	20.07
27 32 19 00-0027 EA Level 5, RJ-45 Jack, Dual Flush Mounted - Complete.....	64.24	22.06
27 32 19 00-0028 EA Level 5, RJ-45 Jack, Wall Mount - Complete.....	59.77	22.06
27 32 19 00-0029 EA Terminating Strips, Inside.....	121.77	44.11
27 32 19 00-0030 EA Dual Outlet, 4-Pin Telephone Receptacle, Concealed Type RJ-45 - Complete.....	50.52	22.67
27 32 19 00-0031 EA Ready Access Closure 3 To 25 Pair.....	147.24	53.17
27 32 19 00-0032 EA Ready Access Closure 25 To 100 Pair.....	174.64	59.44
27 32 19 00-0033 EA Termination Block With Bracket 25 Pair.....	57.67	17.85
27 32 19 00-0034 EA RJ-11 Telephone Receptacle, Concealed Devices - Complete.....	49.53	22.39
27 32 19 00-0035 EA Interior Protected Terminal 25 Pair.....	723.54	128.93
27 32 19 00-0036 EA Interior Protected Terminal 50 Pair.....	877.47	130.95
27 32 19 00-0037 EA Pedestal 6" x 6" x 50" 3 To 100 Pair.....	286.07	53.65

27	Communications
27 30	Voice Communications
27 32	Voice Communications Terminal Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 32 19 00-0038 EA Pedestal 8" x 8" x 50" 100 To 300 Pair	296.81	53.65
27 32 19 00-0039 EA Pedestal 10" x 10" x 43" 300 To 600 Pair	393.93	68.61
27 32 19 00-0040 EA Pedestal 10" x 16" x 439 600 Pair	834.21	123.62
27 32 19 00-0041 EA Entrance Protector Terminal 100 Pair	1,181.29	141.08
27 32 19 00-0042 EA Gas Protection Module	15.98	4.83
27 32 19 00-0043 EA Terminating Boxes, Outside With 3 Element Protectors, Per Pair	31.19	4.41

27 32 26 Ring-Down Emergency Telephones ^(27 32)

27 32 26 00-0001	Emergency Telephone ^(27 32 26) Note: Standard features include: CB3000 speakerphone, 3 auxiliary Inputs, 2 auxiliary outputs, phone line surge suppressor, analog telephone connection, 70w area light with blue beacon, high power strobe, lighted faceplate, 110VAC power, ultra weather resistant finish, vandal resistant hardware, UV resistant Lens, dome vent; flat area for directory, access control or other options; 12.75" diameter/8'-6" height, 1/4" thick steel construction, foundation anchor kit, ADA compliant.		
27 32 26 00-0002 EA Code Blue 1-Standard Emergency Telephone Pedestal Unit (CB 1-s)	6,926.42	395.63	
27 32 26 00-0003 EA Code Blue 1-Dual Emergency Telephone Pedestal Unit (CB 1-d)	7,256.67	395.63	
27 32 26 00-0004 EA Analog Speakerphone With Black "Info" Button And Red "Push For Help" Button Code Blue Option (Code Blue IA4100 FP2)	110.08		
27 32 26 00-0005 EA Analog Speakerphone With Black "Call" Button, Keypad And Red "Push For Help" Button Code Blue Option (Code Blue IA4100 FP2-K)	165.13		
27 32 26 00-0006 EA IP Speakerphone With Single Red "Push For Help" Button Code Blue Option (Code Blue IP5000 FP1)	412.82		
27 32 26 00-0007 EA IP Speakerphone With Back "Info" Button And Red "Push For Help" Button Code Blue Option (Code Blue IP5000 FP2)	561.43		
27 32 26 00-0008 EA IP Speakerphone With Black "Call" Button, Keypad And Red "Push For Help" Button Code Blue Option (Code Blue IP5000 FP2-K)	616.47		
27 32 26 00-0009 EA EMERGENCY (Raised Letters With Braille) Main Bezel Code Blue Option	11.01		
27 32 26 00-0010 EA EMERGENCY/EMERGENCIA (Raised Letters With Braille) Main Bezel Code Blue Option	11.01		
27 32 26 00-0011 EA Directory, Second Opening Code Blue Option	99.08		
27 32 26 00-0012 EA Camera Enclosure With Color IP Camera, Second Opening Code Blue Option	1,045.80		
27 32 26 00-0013 EA HID Card Reader, Second Opening Code Blue Option	484.37		
27 32 26 00-0014 EA HID Card Reader And Color IP Camera, Second Opening Code Blue Option	1,568.70		
27 32 26 00-0015 EA IP Wireless Communication Code Blue Option	3,297.02		
	Note: 802.11g or secure mesh 5.8. (system UPS backup or unit Night Charge recommended), IP5000 VoIP Speakerphone option must be ordered when selecting IP Wireless Communications. Requires Base Unit(s) and site survey.		
27 32 26 00-0016 EA Active Venting Code Blue Option	176.13		
27 32 26 00-0017 EA Night Charge Power Code Blue Option	1,535.67		
	Note: Requires 120V AC external power supplied to Code Blue unit.		
27 32 26 00-0018 EA Power Transformer Kit, Alternate Incoming Power Code Blue Option	385.29		
27 32 26 00-0019 EA Overhead Camera Mount Code Blue Option	875.17		
	Note: Excludes camera.		
27 32 26 00-0020 EA Custom Color For Overhead Camera Mount Code Blue Option	38.53		
27 32 26 00-0021	City Police Call System ^(27 32 26)		
27 32 26 00-0022	Components ^(27 32 26 00-0021)		
27 32 26 00-0023 EA City Police Call System	548.37	112.52	
27 32 26 00-0024 EA Concrete Foundation For Police Department Telephone Post	518.42	162.99	

27 40 Audio-Video Communications ⁽²⁷⁾

27 41 Audio-Video Systems ^(27 40)

27 41 16 Integrated Audio-Video Systems and Equipment ^(27 41)

Note: Includes testing of new devices and certification.

27 41 16 00-0001	Television Distribution System ^(27 41 16) See CSI section 26 05 13 16-0001 for basic wiring, 26 05 19 16-0309 for basic wiring.		
27 41 16 00-0002	Television Support System ^(27 41 16 00-0001)		
27 41 16 00-0003 EA Ceiling Mounted Television Support, 19" To 20"	335.95	108.23	
27 41 16 00-0004 EA Ceiling Mounted Television Support, 19" To 20" With Rack	423.24	120.80	
27 41 16 00-0005 EA Ceiling Mounted Television Support, 25" To 27"	348.17	108.23	
27 41 16 00-0006 EA Ceiling Mounted Television Support, 25" To 27" With Rack	435.46	120.80	
27 41 16 00-0007 EA Wall Mounted Television Support, 13"	265.33	86.97	
27 41 16 00-0008 EA Wall Mounted Television Support, 13" With Rack	352.61	96.64	
27 41 16 00-0009 EA Wall Mounted Television Support, 19" To 20"	281.37	86.97	
27 41 16 00-0010 EA Wall Mounted Television Support, 19" To 20" With Rack	368.64	96.64	
27 41 16 00-0011 EA Wall Mounted Television Support, 25" To 27"	297.41	86.97	
27 41 16 00-0012 EA Wall Mounted Television Support, 25" To 27" With Rack	384.68	96.64	
27 41 16 00-0013	Distribution System ^(27 41 16 00-0001) See CSI section 26 05 13 16-0001 for wire and cabling.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 41 16 00-0014 TV Distribution Rack <small>(27 41 16 00-0013)</small>		
27 41 16 00-0015 EA Steel Rack Cabinet With Shelves	1,051.05	177.47
27 41 16 00-0016 EA Switch And Pilot Light	185.85	78.84
27 41 16 00-0017 LF Surface Raceway With Outlets	22.81	10.71
27 41 16 00-0018 EA Service Label	27.95	14.77
27 41 16 00-0019 Head End Amplifier <small>(27 41 16 00-0013)</small>		
27 41 16 00-0020 EA Head End Amplifier	701.13	118.12
27 41 16 00-0021 UHF In-Line Booster Amplifier And Power Supply <small>(27 41 16 00-0013)</small>		
27 41 16 00-0022 EA UHF In-Line Booster	430.89	118.12
27 41 16 00-0023 Preamplifiers <small>(27 41 16 00-0013)</small>		
27 41 16 00-0024 EA VHF Preamplifier	526.05	118.12
27 41 16 00-0025 EA UHF Preamplifier	430.89	118.12
27 41 16 00-0026 Power Supplies <small>(27 41 16 00-0013)</small>		
27 41 16 00-0027 EA Common Power Supply	751.50	168.78
27 41 16 00-0028 Line Splitter And Mixer <small>(27 41 16 00-0013)</small>		
27 41 16 00-0029 EA Line Splitter	75.79	39.38
27 41 16 00-0030 EA Two-Way Splitter	83.36	39.38
27 41 16 00-0031 EA Frequency Filter	172.68	59.15
27 41 16 00-0032 EA Line Splitter And Mixer	230.45	86.85
27 41 16 00-0033 Power Line Filters <small>(27 41 16 00-0013)</small>		
27 41 16 00-0034 EA 120-Volt Power Supply Line Filter	319.06	78.84
27 41 16 00-0035 Wall Box And Receiver Outlets <small>(27 41 16 00-0013)</small>		
27 41 16 00-0036 EA Wall Box With Lockable Cover, Excluding Outlet Plug	172.68	59.15
27 41 16 00-0037 EA TV Receiver Outlet Plug	83.36	39.38
27 41 16 00-0038 EA TV Camera Outlet Plug	83.36	39.38
27 41 16 00-0039 EA Audio Outlet Plug	73.87	39.38
27 41 16 00-0040 EA 12 Ft RG 6U Cable With G-59 And TV Set Fittings	152.54	78.84
27 41 16 00-0041 EA Male Plug PL-259	83.36	39.38
27 41 16 00-0042 EA Wall Box And Receiver Outlet Television Outlets	102.59	41.30
27 41 16 00-0043 Metal And Electric Shop Antenna Systems <small>(27 41 16)</small>		
27 41 16 00-0044 Antenna <small>(27 41 16 00-0043)</small>		
27 41 16 00-0045 EA Amateur Radio Antenna	666.09	144.75
27 41 16 00-0046 EA Multi-Band Radio Antenna	529.78	144.75
27 41 16 00-0047 Receptacles <small>(27 41 16 00-0043)</small>		
27 41 16 00-0048 EA Amateur Radio Antenna System Receptacle With Mating Plugs And Adapter	163.17	59.15
27 41 16 00-0049 EA Multi-Band Radio Antenna System Receptacle With Mating Plugs	163.17	59.15

27 50 Distributed Communications And Monitoring Systems (27)

27 51 Distributed Audio-Video Communications Systems (27 50)

27 51 33 Sound Reinforcement (27 51)

Note: Includes testing of new devices and certification.

27 51 33 00-0001 Amplifiers (27 51 33)

27 51 33 00-0002 EA 10 Watt PA/Paging System Amplifier, 70 Volt (Bogen C10)	366.00	96.64
27 51 33 00-0003 EA 35 Watt PA/Paging System Amplifier, 70 Volt (Bogen C35)	495.47	96.64
27 51 33 00-0004 EA 60 Watt PA/Paging System Amplifier, 70 Volt (Bogen C60)	578.58	96.64
27 51 33 00-0005 EA 100 Watt PA/Paging System Amplifier, 70 Volt (Bogen 100)	637.87	96.64
27 51 33 00-0006 EA 150 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS150)	781.55	96.64
27 51 33 00-0007 EA 250 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS250)	996.41	96.64
27 51 33 00-0008 EA Rack Mount Kit For PA/Paging System Amplifiers (Bogen GSRPK)	40.07	4.84

27 51 33 00-0009 Splitters (27 51 33)

27 51 33 00-0010 EA 24 Watt, 5 Output, Isolated Splitter (Doug Fleenor 125EE)	1,922.75	72.38
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27	Communications
27 50	Distributed Communications And Monitoring Systems
27 51	Distributed Audio-Video Communications Systems



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 51 33 00-0011	Speakers <small>(27 51 33)</small>		
27 51 33 00-0012	EA 8", 5 Watt Recessed Ceiling Mounted Speaker With Transformer And Baffle (Atlas Sound FD72W)	158.24	25.86
27 51 33 00-0013	EA 8" Steel Baffle (Atlas Sound 51-8)	45.77	4.83
27 51 33 00-0014	EA T-Bar Support (Atlas Sound EZ95-8)	50.29	4.83
27 51 33 00-0015	EA 8" Cylindrical Enclosure With Undercoating (Atlas Sound Q408)	74.52	4.83
27 51 33 00-0016	EA Plate Mounted 10 Watt Attenuator With Priority Relay (Atlas Sound AT10-PA)	75.07	8.69

27 51 33 00-0017	Accessories <small>(27 51 33)</small>		
27 51 33 00-0018	EA Microphone And Stand For Audio/Video System (Bogen MBS-1000A)	188.57	12.08
27 51 33 00-0019	EA 5 Disk CD Player For Audio/Video System (Bogen DCM290-P)	415.24	12.08
27 51 33 00-0020	EA Weather Proof Horn For Audio/Video System (Bogen SPT5A)	117.11	24.16
27 51 33 00-0021	EA Trumpet Driver And Line Matching Transformer For Audio/Video System (Atlas PD-60A)	205.28	24.16
27 51 33 00-0022	EA Headset Microphone For Audio/Video System (Audio Technica Pro8Hex)	153.72	24.13
27 51 33 00-0023	EA Microphone Jack For Audio/Video System	78.47	24.16
27 51 33 00-0024	EA Terminal Cabinet For Audio/Video System (Atlas 121-18)	602.74	96.64
27 51 33 00-0025	EA Volume Control For Audio/Video System (Bogen AT10A)	75.62	24.16
27 51 33 00-0026	EA Round Bridge for 8" (S86/S810) Recessed Speakers (Bogen Communications TB8)	57.14	24.16

27 51 33 00-0027	Remove And Reinstall Speakers <small>(27 51 33)</small>		
	Note: Includes storage, cleaning and supply materials.		
27 51 33 00-0028	EA Removal And Reinstallation Of Ceiling Mounted Speaker	135.10	

27 52 Healthcare Communications And Monitoring Systems (27 50)

27 52 23 Nurse Call/Code Blue Systems (27 52)

27 52 23 00-0001	Wireless Equipment Nurses Call Systems <small>(27 52 23)</small>		
	Note: Includes all mounting hardware, batteries, cable and connections. Teletronic.		

27 52 23 00-0002	Wireless Nurses Call System <small>(27 52 23 00-0001)</small>		
27 52 23 00-0003	EA NurseCall Main Unit (Rechargeable Battery Included); NCM2	5,024.67	
27 52 23 00-0004	EA NurseCall Main Unit (Rechargeable Battery Included) 300+ Transmitters; NCM2S	5,646.41	
27 52 23 00-0005	EA NurseCall Local Unit (Rechargeable Battery Included), Quantity 1-5 Units; NCL2	3,512.62	
27 52 23 00-0006	EA NurseCall Local Unit (Rechargeable Battery Included), Quantity 6-10 Units; NCL2	2,864.09	
27 52 23 00-0007	EA NurseCall Local Unit (Rechargeable Battery Included), Quantity 11-15 Units; NCL2	2,580.45	
27 52 23 00-0008	EA NurseCall Local Unit (Rechargeable Battery Included), Quantity 16+ Units; NCL2	2,296.70	
27 52 23 00-0009	EA Resident Bed Station With Relay; N45	581.95	
27 52 23 00-0010	EA Bed Push Button For Use With N45 (9'); RB13-9	285.64	
27 52 23 00-0011	EA Pull Cord Replacement For S35; S35PC	21.26	
27 52 23 00-0012	EA Wall Mount Pull-Cord Transmitter/Mounting Hardware - Auto Supervision; S35S	417.81	
27 52 23 00-0013	EA Wall Mount Pull-Cord Transmitter/Mounting Hardware - Assist Tone; S35A	417.81	
27 52 23 00-0014	EA Remote Reset Button; S35R	406.20	
27 52 23 00-0015	EA Waterproof Wrist Transmitter (Automatic Supervision); S37	283.98	
27 52 23 00-0016	EA Wrist Band Replacement For S37; S37WB	26.23	
27 52 23 00-0017	EA Locate 1 Waterproof Wrist Transceiver; S37L	345.32	
27 52 23 00-0018	EA Locate 1 Beacon; IS75	1,096.48	
27 52 23 00-0019	EA Wireless Smoke Detector Transmitter; SD35	709.92	
27 52 23 00-0020	EA Wireless Door Contact Transmitter; RAC35	559.04	
27 52 23 00-0021	EA Wireless Time Controlled Door Contact; RAC45	559.04	
27 52 23 00-0022	EA Local Receiver With Relay (110 Volt AC); LE9	685.05	
27 52 23 00-0023	EA Voice Response Unit (Rechargeable Battery Included); S10	1,171.46	
27 52 23 00-0024	EA Alarm Receiving Unit (Rechargeable Battery Included); ARU	2,309.26	
27 52 23 00-0025	EA NurseCall Programming Software; NPS	6,272.03	
27 52 23 00-0026	EA NurseCall Printer Interface; NCPI	2,144.53	
27 52 23 00-0027	EA NurseCall Computer Center (Includes NurseCall Software, PC, Monitor, Printer And UPS); NCCN	10,980.75	
27 52 23 00-0028	EA 9V NiMH Rechargeable Battery (Replacement For S10, NCM2, And NCL2); NMH9R	52.61	
27 52 23 00-0029	EA 6V Lithium Battery (Replacement For S35 And RAC35); LIT6	47.64	
27 52 23 00-0030	EA 9V Alkaline Battery (Replacement For N45); ALK9	24.43	
27 52 23 00-0031	EA Giant LED Single Sided Display; NCGD	10,787.68	
27 52 23 00-0032	EA Serial Printer; NCSP	1,131.86	
27 52 23 00-0033	EA Modular Duplex T-Adapter (Replacement For S10); SE-486A	24.57	
27 52 23 00-0034	EA AC Adapter (Replacement For S10); STA-4110A	44.47	
27 52 23 00-0035	EA S10 Phone Cord (Replacement For S10); STC	24.57	
27 52 23 00-0036	EA Waveware Paging System, Use With NCCN (Dell Computer); SPS-5	4,859.41	
27 52 23 00-0037	EA Waveware Pagers; DAP-040	683.27	

27 52 23 00-0038	Wireless Nurses Call Tele/Management System <small>(27 52 23 00-0001)</small>		
27 52 23 00-0039	EA Tele/Management Unit; TP12	2,871.71	
27 52 23 00-0040	EA Tele/Management Software; TP12S	2,575.55	

27 52 23 00-0041	Wireless Nurses Call Paging System <small>(27 52 23 00-0001)</small>		
27 52 23 00-0042	EA Standard Paging System (2.5 Watt Transmitter); RPE673	8,135.75	
27 52 23 00-0043	EA Replacement Antenna For RPE673; RPE673AN	567.35	
27 52 23 00-0044	EA Replacement Power For RPE673; RPE673PS	756.36	
27 52 23 00-0045	EA Alphanumeric Pager; RPR583	920.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 52 23 00-0046 EA Replacement Holster For RPR583; RPR583H	54.12	
27 52 23 00-0047 Equipment Nurses Call Systems (27 52 23)		
27 52 23 00-0048 EA Nurses Call System, Page/Talk Relay Intercommunication Equipment	192.07	50.18
27 52 23 00-0049 EA Nurses Call System, Main Equipment Panel Intercommunication Equipment	1,885.18	200.73
27 52 23 00-0050 EA Nurses Call System, Re-Entrant Horn Intercommunication Equipment	208.99	65.63
27 52 23 00-0051 EA Nurses Call System, Nurses Control Station Intercommunication Equipment	1,056.51	193.00
27 52 23 00-0052 EA Nurses Call System, Duty Station Intercommunication Equipment	510.62	150.54
27 52 23 00-0053 EA Nurses Call System, Staff Station Intercommunication Equipment	253.06	50.18
27 52 23 00-0054 EA Nurses Call System, Single Bedside Station Intercommunication Equipment	241.01	50.18
27 52 23 00-0055 EA Nurses Call System, Double Bedside Station Intercommunication Equipment	373.98	87.82
27 52 23 00-0056 EA Nurses Call System, Emergency Call Button Intercommunication Equipment	117.75	38.60
27 52 23 00-0057 EA Nurses Call System, Pull Cord Button Intercommunication Equipment	109.99	38.60
27 52 23 00-0058 EA Nurses Call System, Single Dome Light Intercommunication Equipment	78.39	25.09
27 52 23 00-0059 EA Nurses Call System, Double Dome Light Intercommunication Equipment	114.44	38.60
27 52 23 00-0060 EA Nurses Call System, Pillow Speaker Intercommunication Equipment	158.45	25.09
27 52 23 00-0061 EA Nurses Call System, Cord Set Intercommunication Equipment	84.23	25.09
27 52 23 00-0062 EA Nurse Call System, Master-20 Station	3,764.82	193.00
27 52 23 00-0063 EA Dukane Duty Station - Tone Only, PC1000	672.05	150.64
27 53 Distributed Systems (27 53)		
27 53 13 Clock Systems (27 53)		
27 53 13 00-0001 Wired Self-Corrective Clock Systems (27 53 13)		
27 53 13 00-0002 Wired Self-Corrective Clocks (27 53 13 00-0001)		
27 53 13 00-0003 Analog, Wired Self-Corrective Clocks (Telecor) (27 53 13 00-0002)		
27 53 13 00-0004 24 Volt AC, Analog, Wired Self-Corrective Clocks (27 53 13 00-0003)		
27 53 13 00-0005 EA 12", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	170.41	24.13
For >50 To 100, Deduct	-12.11	
For >100, Deduct	-17.00	
27 53 13 00-0006 EA 12", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	388.45	24.13
For >50 To 100, Deduct	-20.83	
For >100, Deduct	-34.44	
27 53 13 00-0007 EA 16", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	210.62	24.13
For >50 To 100, Deduct	-15.34	
For >100, Deduct	-21.84	
27 53 13 00-0008 EA 16", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	509.07	24.13
For >50 To 100, Deduct	-53.31	
For >100, Deduct	-71.74	
27 53 13 00-0009 120 Volt AC, Analog, Wired Self-Corrective Clocks (27 53 13 00-0003)		
27 53 13 00-0010 EA 12", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	170.41	24.13
For >50 To 100, Deduct	-12.11	
For >100, Deduct	-17.00	
27 53 13 00-0011 EA 12", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	388.45	24.13
For >50 To 100, Deduct	-20.83	
For >100, Deduct	-34.44	
27 53 13 00-0012 EA 16", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	210.62	24.13
For >50 To 100, Deduct	-15.34	
For >100, Deduct	-21.84	
27 53 13 00-0013 EA 16", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	509.07	24.13
For >50 To 100, Deduct	-53.31	
For >100, Deduct	-71.74	
27 53 13 00-0014 Accessories For Analog Wired Self-Corrective Clocks (27 53 13 00-0003)		
27 53 13 00-0015 EA Wire Guards For 12", 15" Or 16" Analog Wired Self-Corrective Clocks	136.24	12.06
27 53 13 00-0016 EA Back Box For 10", 12" Or 15" Flush Mount Analog Wired Self-Corrective Clocks	39.59	12.06
27 53 13 00-0017 EA Surface Mounting Rings For 12" Analog Wired Self-Corrective Clocks	48.49	12.06
27 53 13 00-0018 EA Surface Mounting Rings For 15" Analog Wired Self-Corrective Clocks	57.77	12.06
27 53 13 00-0019 EA Combination Back Box For Speaker And Clock	98.96	19.30
27 53 13 00-0020 Digital, Wired Self-Corrective Clocks (Telecor) (27 53 13 00-0002)		
27 53 13 00-0021 24 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 00-0020)		
27 53 13 00-0022 EA 2.5", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	207.53	24.13
For Surface Mount, Add	31.86	
For >50 To 100, Deduct	-9.56	
For >100, Deduct	-15.93	
27 53 13 00-0023 EA 4", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	312.68	24.13
For Surface Mount, Add	52.89	
For >50 To 100, Deduct	-15.87	
For >100, Deduct	-26.44	

27 Communications**27 50 Distributed Communications And Monitoring Systems****27 53 Distributed Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 00-0024			120 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 00-0020)		
27 53 13 00-0025	EA		2.5", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	207.53	24.13
			For Surface Mount, Add	31.86	
			For >50 To 100, Deduct	-9.56	
			For >100, Deduct	-15.93	
27 53 13 00-0026	EA		4", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	312.68	24.13
			For Surface Mount, Add	52.89	
			For >50 To 100, Deduct	-15.87	
			For >100, Deduct	-26.44	
27 53 13 00-0027			Replacement Modules For 24 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 00-0020)		
27 53 13 00-0028	EA		2.5", Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks.....	179.31	24.13
			For >50 To 100, Deduct	-7.86	
			For >100, Deduct	-13.11	
27 53 13 00-0029	EA		4" Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks.....	287.17	24.13
			For >50 To 100, Deduct	-14.34	
			For >100, Deduct	-23.89	
27 53 13 00-0030			Replacement Modules For 120 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 00-0020)		
27 53 13 00-0031	EA		2.5", Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks.....	179.31	24.13
			For >50 To 100, Deduct	-7.86	
			For >100, Deduct	-13.11	
27 53 13 00-0032	EA		4" Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks.....	287.17	24.13
			For >50 To 100, Deduct	-14.34	
			For >100, Deduct	-23.89	
27 53 13 00-0033			Accessories For Digital Wired Self-Corrective Clocks (27 53 13 00-0020)		
27 53 13 00-0034	EA		Wire Guard For 4" Surface Mount Analog Wired Self-Corrective Clocks.....	183.41	12.06
27 53 13 00-0035	EA		2.5", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks.....	48.87	12.06
27 53 13 00-0036	EA		4", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks.....	65.11	12.06
27 53 13 00-0037	EA		Dual Mounting Kit For Surface Mount Digital Wired Self-Corrective Clocks.....	160.98	12.06
27 53 13 00-0038	EA		4 Gang Extension Ring For Surface Mount Digital Wired Self-Corrective Clocks.....	50.04	12.06
27 53 13 00-0039			Wired Self-Corrective Master Clocks (27 53 13 00-0001)		
27 53 13 00-0040			Wired Self-Corrective Master Clocks (27 53 13 00-0039)		
27 53 13 00-0041	EA		24 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-24).....	1,929.29	193.00
27 53 13 00-0042	EA		120 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-120).....	2,045.27	193.00
27 53 13 00-0043			Accessories For Wired Self-Corrective Master Clocks (27 53 13 00-0039)		
27 53 13 00-0044	EA		5 Amp Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2405).....	213.65	48.25
27 53 13 00-0045	EA		10 Amp Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2406).....	238.00	48.25
27 53 13 00-0046			Other Clock And Program Systems (27 53 13)		
27 53 13 00-0047	EA		4 Circuit Master Clock And Signal Control (Lathem LTR4-512).....	1,153.20	96.51
27 53 13 00-0048	EA		8 Circuit Master Clock And Signal Control (Lathem LTR8-512).....	1,437.24	193.00
27 53 13 00-0049	EA		Program Bell (Lathem 906-6).....	188.97	48.25
27 53 13 00-0050	EA		Combination Clock And Speaker.....	435.23	120.63

END OF SECTION 27



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 Electronic Safety And Security

Note: Termination costs are included with all safety and security equipment, panel boards, and devices. Terminations are not included with patch panels.

28 05 Common Work Results For Electronic Safety And Security ⁽²⁸⁾

28 05 14 Conductors And Cables For Electronic Safety And Security ^(28 05)

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

28 05 14 13 **CCTV Communications Conductors And Cables** ^(28 05 14)

See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 14 00 00-0000 for conductors and cables.

28 05 14 16 **Access Control Communications Conductors And Cables** ^(28 05 14)

See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 14 00 00-0000 for conductors and cables.

28 05 14 19 **Intrusion Detection Communications Conductors And Cables** ^(28 05 14)

See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 14 00 00-0000 for conductors and cables, 28 05 14 23-0000 for Type FPLP.

28 05 14 23 **Fire Alarm Communications Conductors And Cables** ^(28 05 14)

28 05 14 23-0001	MLF	Fire Alarm/Life Safety Cable ^(28 05 14 23)		
28 05 14 23-0002		Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable ^(28 05 14 23-0001)		
28 05 14 23-0003		Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit ^(28 05 14 23-0002)		
28 05 14 23-0004	MLF	1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,482.30	656.60
28 05 14 23-0005	MLF	2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,779.12	680.34
28 05 14 23-0006	MLF	1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,689.47	746.34
28 05 14 23-0007	MLF	2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,158.96	772.98
28 05 14 23-0008	MLF	1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,933.83	835.52
28 05 14 23-0009	MLF	2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,599.97	865.62
28 05 14 23-0010	MLF	1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,439.71	955.37
28 05 14 23-0011	MLF	2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,470.56	989.43
28 05 14 23-0012		Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed ^(28 05 14 23-0002)		
28 05 14 23-0013	MLF	1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,576.63	1,313.38
28 05 14 23-0014	MLF	2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,913.01	1,360.68
28 05 14 23-0015	MLF	1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,933.37	1,492.88
28 05 14 23-0016	MLF	2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,447.25	1,545.96
28 05 14 23-0017	MLF	1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,326.35	1,671.41
28 05 14 23-0018	MLF	2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,042.67	1,731.24
28 05 14 23-0019	MLF	1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,031.98	1,910.73
28 05 14 23-0020	MLF	2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,119.78	1,979.25
28 05 14 23-0021		Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit ^(28 05 14 23-0001)		
28 05 14 23-0022	MLF	2/c #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	979.92	537.32
28 05 14 23-0023	MLF	4/c #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,051.65	556.43
28 05 14 23-0024	MLF	2/c #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,193.09	656.60
28 05 14 23-0025	MLF	3/c #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,262.16	668.46
28 05 14 23-0026	MLF	4/c #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,305.44	680.34

28 Electronic Safety And Security
28 05 Common Work Results For Electronic Safety And Security
28 05 14 Conductors And Cables For Electronic Safety And Security



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 05 14 23-0027 MLF 6/c #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,440.62	704.07
28 05 14 23-0028 MLF 8/c #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,631.22	727.82
28 05 14 23-0029 MLF 2/c #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,385.52	746.34
28 05 14 23-0030 MLF 4/c #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,536.49	772.98
28 05 14 23-0031 MLF 2/c #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,595.47	835.52
28 05 14 23-0032 MLF 4/c #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,827.54	865.62
28 05 14 23-0033 MLF 2/c #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,926.12	955.37
28 05 14 23-0034 MLF 4/c #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,295.68	989.43
28 05 14 23-0035 Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable <small>(28 05 14 23-0001)</small>		
28 05 14 23-0036 Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit <small>(28 05 14 23-0035)</small>		
28 05 14 23-0037 MLF 2/c #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	973.28	537.32
28 05 14 23-0038 MLF 2/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,188.77	656.60
28 05 14 23-0039 MLF 3/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,303.86	668.46
28 05 14 23-0040 MLF 4/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,316.99	680.34
28 05 14 23-0041 MLF 6/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,500.89	704.07
28 05 14 23-0042 MLF 2/c #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,379.00	746.34
28 05 14 23-0043 MLF 4/c #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,551.12	772.98
28 05 14 23-0044 MLF 2/c #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,566.12	835.52
28 05 14 23-0045 MLF 4/c #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,944.17	865.62
28 05 14 23-0046 MLF 2/c #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,916.53	955.37
28 05 14 23-0047 MLF 4/c #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,472.74	989.43
28 05 14 23-0048 Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed <small>(28 05 14 23-0035)</small>		
28 05 14 23-0049 MLF 2/c #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	1,868.82	1,075.03
28 05 14 23-0050 MLF 2/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,283.10	1,313.38
28 05 14 23-0051 MLF 3/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,417.49	1,336.55
28 05 14 23-0052 MLF 4/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,450.88	1,360.68
28 05 14 23-0053 MLF 6/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,674.35	1,407.96
28 05 14 23-0054 MLF 2/c #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,622.90	1,492.88
28 05 14 23-0055 MLF 4/c #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,839.41	1,545.96
28 05 14 23-0056 MLF 2/c #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,958.64	1,671.41
28 05 14 23-0057 MLF 4/c #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,386.87	1,731.24
28 05 14 23-0058 MLF 2/c #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,508.80	1,910.73
28 05 14 23-0059 MLF 4/c #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,121.96	1,979.25
28 05 14 23-0060 Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable <small>(28 05 14 23-0001)</small>		
28 05 14 23-0061 Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit <small>(28 05 14 23-0060)</small>		
28 05 14 23-0062 MLF 2/c #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,000.62	537.32
28 05 14 23-0063 MLF 2/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,208.29	656.60
28 05 14 23-0064 MLF 3/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,376.33	668.46
28 05 14 23-0065 MLF 4/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,336.97	680.34



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 05 14 23-0066	MLF			6/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,521.32	704.07
28 05 14 23-0067	MLF			2/c #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,423.87	746.34
28 05 14 23-0068	MLF			4/c #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,571.87	772.98
28 05 14 23-0069	MLF			2/c #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,662.90	835.52
28 05 14 23-0070	MLF			4/c #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,895.65	865.62
28 05 14 23-0071	MLF			2/c #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,988.15	955.37
28 05 14 23-0072	MLF			4/c #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,325.41	989.43
28 05 14 23-0073				Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed <small>(28 05 14 23-0060)</small>		
28 05 14 23-0074	MLF			2/c #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,896.16	1,075.03
28 05 14 23-0075	MLF			2/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,302.62	1,313.38
28 05 14 23-0076	MLF			3/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,489.96	1,336.55
28 05 14 23-0077	MLF			4/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,470.86	1,360.68
28 05 14 23-0078	MLF			6/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,694.78	1,407.96
28 05 14 23-0079	MLF			2/c #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,667.77	1,492.88
28 05 14 23-0080	MLF			4/c #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,860.16	1,545.96
28 05 14 23-0081	MLF			2/c #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,055.42	1,671.41
28 05 14 23-0082	MLF			4/c #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,338.35	1,731.24
28 05 14 23-0083	MLF			2/c #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,580.42	1,910.73
28 05 14 23-0084	MLF			4/c #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,974.63	1,979.25
28 05 14 23-0085				Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable <small>(28 05 14 23-0001)</small>		
28 05 14 23-0086				Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit <small>(28 05 14 23-0085)</small>		
28 05 14 23-0087	MLF			2/c #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	975.67	537.32
28 05 14 23-0088	MLF			2/c #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,221.06	656.60
28 05 14 23-0089	MLF			3/c #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,303.67	668.46
28 05 14 23-0090	MLF			4/c #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,373.63	680.34
28 05 14 23-0091	MLF			6/c #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,526.19	704.07
28 05 14 23-0092	MLF			2/c #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,404.63	746.34
28 05 14 23-0093	MLF			4/c #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,611.09	772.98
28 05 14 23-0094	MLF			2/c #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,631.01	835.52
28 05 14 23-0095	MLF			4/c #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,995.66	865.62
28 05 14 23-0096	MLF			2/c #12 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,943.77	955.37
28 05 14 23-0097				Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed <small>(28 05 14 23-0085)</small>		
28 05 14 23-0098	MLF			2/c #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,871.21	1,075.03
28 05 14 23-0099	MLF			2/c #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,315.39	1,313.38
28 05 14 23-0100	MLF			3/c #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,417.30	1,336.55
28 05 14 23-0101	MLF			4/c #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,507.52	1,360.68
28 05 14 23-0102	MLF			6/c #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,699.65	1,407.96
28 05 14 23-0103	MLF			2/c #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,648.53	1,492.88
28 05 14 23-0104	MLF			4/c #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,899.38	1,545.96
28 05 14 23-0105	MLF			2/c #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,023.53	1,671.41
28 05 14 23-0106	MLF			4/c #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,438.36	1,731.24
28 05 14 23-0107	MLF			2/c #12 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,536.04	1,910.73
28 05 26				Grounding And Bonding For Electronic Safety And Security <small>(28 05)</small> See CSI section 26 05 26 00-0000 for grounding and bonding.		
28 05 28				Pathways For Electronic Safety And Security <small>(28 05)</small>		
28 05 28 29				Hangers And Supports For Electronic Safety And Security <small>(28 05 28)</small> See CSI section 26 05 29 00-0000 for hangers and supports.		

28	Electronic Safety And Security
28 05	Common Work Results For Electronic Safety And Security
28 05 28	Pathways For Electronic Safety And Security



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 05 28 33	Conduits And Backboxes For Electronic Safety And Security <small>(28 05 28)</small>		
	See CSI section 26 05 33 13-0000 for conduits.		
28 05 28 36	Cable Trays For Electronic Safety And Security <small>(28 05 28)</small>		
	See CSI section 26 05 36 00-0000 for cable trays.		
28 05 28 39	Surface Raceways For Electronic Safety And Security <small>(28 05 28)</small>		
	See CSI section 26 05 33 23-0000 for surface raceways.		
28 05 53	Identification For Electronic Safety And Security <small>(28 05)</small>		
	See CSI section 26 05 53 00-0000 for identification.		
28 10	Access Control <small>(28)</small>		
	Note: Includes testing of new devices and certification.		
28 15	Integrated Access Control Hardware Devices <small>(28 10)</small>		
28 15 11	Integrated Credential Readers and Field Entry Management <small>(28 15)</small>		
28 15 11 13	Keypads <small>(28 15 11)</small>		
28 15 11 13-0001	Vindicator Security Alarm System <small>(28 15 11 13)</small>		
28 15 11 13-0002	EA Switch, Balanced Magnetic Door (Security) Vindicator #192-30894-00.....	1,105.63	201.21
28 15 11 13-0003	EA Detector, Passive Infrared (Security) Vindicator #316-30812-00.....	1,394.49	261.52
28 15 11 13-0004	EA Premise Control Unit (Security) Vindicator #548-32004-01	6,850.05	573.22
28 15 11 13-0005	EA Access Manager (Security Key Pad) Vindicator #548-31894-01	3,211.80	488.49
28 15 11 13-0006	EA ALS Duress Switch (Security) Vindicator #192-30810-00.....	923.26	267.21
28 16	Access Control Interfaces <small>(28 10)</small>		
28 16 11	Access Control Interfaces to Access Control Hardware <small>(28 16)</small>		
28 16 11 00-0001	Stand Alone Access Controls <small>(28 16 11)</small>		
28 16 11 00-0002	Push Button Controls, Stand Alone Access Controls <small>(28 16 11 00-0001)</small>		
28 16 11 00-0003	Interior Mount, Push Button Controls, Stand Alone Access Controls <small>(28 16 11 00-0002)</small>		
28 16 11 00-0004	EA Exit Push Button, Push Button Controls, Interior Stand Alone Access Controls	98.42	24.13
	Note: Controls mount to a standard mullion.		
28 16 11 00-0005	EA Exit Push Button, Push Button Controls, Interior Stand Alone Access Controls	102.60	24.13
	Note: Controls mount into a single gang electrical box. Excludes electrical box.		
28 16 11 00-0006	EA Three Button, Push Button Controls, Interior Stand Alone Access Controls For Gate Operators	126.65	24.13
	Note: Controls mount into a single gang electrical box. Excludes electrical box.		
28 16 11 00-0007	Exterior Mount, Push Button Controls, Stand Alone Access Controls <small>(28 16 11 00-0002)</small>		
	Note: Includes a lockable, gasketed 16 gauge steel enclosure. Excludes mounting posts.		
28 16 11 00-0008	EA Handicap/Push To Open, Push Button Controls, Exterior Stand Alone Access Controls	120.72	24.13
	Note: Controls mount into a single gang electrical box. Excludes electrical box.		
28 16 11 00-0009	EA 42" High Aluminum Post With Handicap/Push To Open, Push Button Controls, Exterior Stand Alone Access Controls	561.47	72.38
	Note: Includes post, mounting base and push button control. Excludes concrete foundation.		
28 16 11 00-0010	EA Three Button, Exterior Stand Alone Access Controls For Gate Operators.....	189.36	24.13
	Note: Includes open, close and stop controls.		
28 16 11 00-0011	Key Controls, Stand Alone Access Controls <small>(28 16 11 00-0001)</small>		
28 16 11 00-0012	Interior Mount, Key Controls, Stand Alone Access Controls <small>(28 16 11 00-0011)</small>		
28 16 11 00-0013	EA Standard Mortise Key, Key Controls, Interior Stand Alone Access Controls.....	134.49	24.13
	Note: Controls mount into a single gang electrical box. Excludes electrical box.		
28 16 11 00-0014	Exterior Mount, Key Controls, Stand Alone Access Controls <small>(28 16 11 00-0011)</small>		
	Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0015	EA Postal Or Fire Department Lock Box, Key Controls, Exterior Stand Alone Access Controls	211.49	48.25
	Note: Opens door or gate with a postal or fire department key.		
28 16 11 00-0016	EA Standard Mortise Key, Key Controls, Exterior Stand Alone Access Controls	322.29	48.25
28 16 11 00-0017	EA Ace Key, Key Controls, Exterior Stand Alone Access Controls	322.29	48.25
28 16 11 00-0018	EA Standard Mortise Key And Push Button Intercom, Key Controls, Exterior Stand Alone Access Controls.....	481.17	48.25
28 16 11 00-0019	Keypad Controls, Stand Alone Access Controls <small>(28 16 11 00-0001)</small>		
28 16 11 00-0020	Interior Mount, Keypad Controls, Stand Alone Access Controls <small>(28 16 11 00-0019)</small>		
28 16 11 00-0021	EA One Code Memory, Keypad Control, Interior Stand Alone Access Controls.....	184.14	24.13
	Note: Stores one 4-digit entry code and one 4-digit hold code. Controls mount into a single gang electrical box. Excludes electrical box.		
28 16 11 00-0022	Exterior Mount, Keypad Controls, Stand Alone Access Controls <small>(28 16 11 00-0019)</small>		
	Note: Includes a surface mounted lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0023 Keypad Controls, Exterior Stand Alone Access Controls <small>(28 16 11 00-0022)</small>		
28 16 11 00-0024 EA 1000 Code Memory, Keypad Control, Exterior Stand Alone Access Controls.....	767.90	96.51
<i>Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes.</i>		
<i>For Flush Mount, Add</i>	129.35	
28 16 11 00-0025 Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls <small>(28 16 11 00-0022)</small>		
<i>Note: Includes intercom sub-station. Excludes additional receiving intercoms.</i>		
28 16 11 00-0026 EA 1000 Code Memory, Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls.....	927.92	108.57
<i>Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes.</i>		
<i>For Flush Mount, Add</i>	159.93	
28 16 11 00-0027 RF Controls, Stand Alone Access Controls <small>(28 16 11 00-0001)</small>		
28 16 11 00-0028 Exterior Mount, RF Controls, Stand Alone Access Controls <small>(28 16 11 00-0027)</small>		
<i>Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.</i>		
28 16 11 00-0029 RF Receivers, RF Controls, Exterior Stand Alone Access Controls <small>(28 16 11 00-0028)</small>		
<i>Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.</i>		
28 16 11 00-0030 EA 50 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	475.22	96.51
28 16 11 00-0031 EA 100 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	531.67	96.51
28 16 11 00-0032 EA 250 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	586.02	96.51
28 16 11 00-0033 EA 500 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	644.56	96.51
28 16 11 00-0034 EA 1000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	698.91	96.51
28 16 11 00-0035 EA 5000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	757.45	96.51
28 16 11 00-0036 EA 16000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	811.80	96.51
28 16 11 00-0037 RF Transmitters, RF Controls, Exterior Stand Alone Access Controls <small>(28 16 11 00-0028)</small>		
28 16 11 00-0038 EA 1 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls.....	35.54	
<i>For >40 To 110, Deduct</i>		
	-1.78	
<i>For >110, Deduct</i>		
	-3.55	
<i>For Built In Proximity Tags, Add</i>		
	7.11	
28 16 11 00-0039 EA 2 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls.....	37.63	
<i>For >40 To 110, Deduct</i>		
	-1.88	
<i>For >110, Deduct</i>		
	-3.76	
<i>For Built In Proximity Tags, Add</i>		
	7.53	
28 16 11 00-0040 EA 3 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls.....	39.72	
<i>For >40 To 110, Deduct</i>		
	-1.99	
<i>For >110, Deduct</i>		
	-3.97	
<i>For Built In Proximity Tags, Add</i>		
	7.94	
28 16 11 00-0041 Accessories For RF Receivers, Exterior Stand Alone Access Controls <small>(28 16 11 00-0028)</small>		
28 16 11 00-0042 EA Coax Antenna Kit For RF Receivers, Exterior Stand Alone Access Controls.....	194.92	72.38
<i>Note: Includes 15' of coax cable.</i>		
28 16 11 00-0043 EA Antenna Amplifier For RF Receivers, Exterior Stand Alone Access Controls.....	353.81	72.38
<i>Note: Includes 20' of coax cable.</i>		
28 16 11 00-0044 EA Yagi High-Gain Antenna Kit For RF Receivers, Exterior Stand Alone Access Controls.....	324.54	72.38
<i>Note: Includes 15' of coax cable.</i>		
28 16 11 00-0045 Proximity Card Controls, Stand Alone Access Controls <small>(28 16 11 00-0001)</small>		
28 16 11 00-0046 Exterior Mount, Proximity Card Controls, Stand Alone Access Controls <small>(28 16 11 00-0045)</small>		
<i>Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.</i>		
28 16 11 00-0047 DKS Proximity Card Controls, Exterior Stand Alone Access Controls <small>(28 16 11 00-0046)</small>		
28 16 11 00-0048 DKS Proximity Card Readers, Exterior Stand Alone Access Controls <small>(28 16 11 00-0047)</small>		
28 16 11 00-0049 EA DKS Proximity Card Reader, Exterior Stand Alone Access Controls.....	872.43	96.51
28 16 11 00-0050 AWID Proximity Card Controls, Exterior Stand Alone Access Controls <small>(28 16 11 00-0046)</small>		
28 16 11 00-0051 AWID Proximity Card Readers, Exterior Stand Alone Access Controls <small>(28 16 11 00-0050)</small>		
28 16 11 00-0052 EA AWID Proximity Card Reader, Exterior Stand Alone Access Controls.....	945.60	96.51
28 16 11 00-0053 HID Proximity Card Controls, Exterior Stand Alone Access Controls <small>(28 16 11 00-0046)</small>		
28 16 11 00-0054 HID Proximity Card Readers, Exterior Stand Alone Access Controls <small>(28 16 11 00-0053)</small>		
28 16 11 00-0055 EA HID Proximity Card Reader, Exterior Stand Alone Access Controls.....	1,112.84	96.51
28 16 11 00-0056 Magnetic Stripe Card Controls, Stand Alone Access Controls <small>(28 16 11 00-0001)</small>		

28 Electronic Safety And Security**28 10 Access Control****28 16 Access Control Interfaces**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0057 Interior Mount, Magnetic Stripe Card Controls, Stand Alone Access Controls <small>(28 16 11 00-0056)</small>		
28 16 11 00-0058 EA Magnetic Stripe Reader, Interior Stand Alone Access Controls.....	537.94	96.51
28 16 11 00-0059 Exterior Mount, Magnetic Stripe Card Controls, Stand Alone Access Controls <small>(28 16 11 00-0056)</small>		
Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0060 EA Magnetic Stripe Reader, Exterior Stand Alone Access Controls.....	655.99	96.51
28 16 11 00-0061 Other Stand Alone Access Controls <small>(28 16 11 00-0001)</small>		
28 16 11 00-0062 EA Toggle Switch, Interior Access Controls For Gate Operators.....	95.29	24.13
Note: Controls mount into a single gang electrical box. Excludes electrical box.		
28 16 11 00-0063 EA Request To Exit Motion Detector (Bosch Security Systems DS160).....	94.23	19.30
28 16 11 00-0064 Wiegand Output Access Controls <small>(28 16 11)</small>		
Note: Excludes controllers.		
28 16 11 00-0065 Proximity Card Controls, Wiegand Output Access Controls <small>(28 16 11 00-0064)</small>		
28 16 11 00-0066 DKS, Proximity Card Controls, Wiegand Output Access Controls <small>(28 16 11 00-0065)</small>		
28 16 11 00-0067 DKS, Proximity Cards <small>(28 16 11 00-0066)</small>		
28 16 11 00-0068 EA Clamshell Type, DKS Proximity Card (DKS 170).....	5.56	
28 16 11 00-0069 EA ISO Compliant Graphics Card, DKS Proximity Card (DKS 80).....	9.17	
28 16 11 00-0070 EA DKS Proximity Key Fob (DKS 50).....	9.66	
28 16 11 00-0071 EA Active Tag, DKS Proximity Tag (DKS 150).....	54.63	
Note: Battery powered tag to boost signal.		
28 16 11 00-0072 EA Active Tag, DKS Proximity Tag (DKS 200).....	71.22	
Note: Battery powered tag to boost signal.		
28 16 11 00-0073 DKS, Proximity Card Readers, Wiegand Output Access Controls <small>(28 16 11 00-0066)</small>		
28 16 11 00-0074 EA Up To 2" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Small).....	352.47	120.63
28 16 11 00-0075 EA Up To 3" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Mullion).....	352.47	120.63
28 16 11 00-0076 EA Up To 4" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Single Gang).....	352.47	120.63
28 16 11 00-0077 EA Up To 30" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS).....	873.43	120.63
Note: Includes mounting bracket and 12 VDC regulated power supply.		
28 16 11 00-0078 AWID, Proximity Card Controls, Wiegand Output Access Controls <small>(28 16 11 00-0065)</small>		
28 16 11 00-0079 AWID, Proximity Cards <small>(28 16 11 00-0078)</small>		
28 16 11 00-0080 EA Clamshell Type, AWID Proximity Card (AWID Prox-Linc CS).....	4.68	
28 16 11 00-0081 EA ISO Compliant Graphics Card, AWID Proximity Card (AWID Prox-Linc GR).....	7.32	
28 16 11 00-0082 EA AWID Proximity Key Fob (AWID Prox-Linc KT).....	7.80	
28 16 11 00-0083 EA Windshield Tag For LR 2000 Readers, AWID Proximity Tag.....	27.32	
28 16 11 00-0084 EA Metal Mount Tag For LR 2000 Readers, AWID Proximity Tag.....	27.32	
28 16 11 00-0085 AWID, Proximity Card Readers, Wiegand Output Access Controls <small>(28 16 11 00-0078)</small>		
28 16 11 00-0086 EA Up To 4" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID SR 2400).....	416.86	120.63
Note: For mullion mounting.		
28 16 11 00-0087 EA Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6800).....	557.34	120.63
Note: For mullion mounting.		
28 16 11 00-0088 EA Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6820).....	557.34	120.63
Note: For single gang electrical box mounting.		
28 16 11 00-0089 EA Up To 24" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MR 1824).....	875.38	120.63
Note: Includes 12 VDC regulated power supply.		
28 16 11 00-0090 EA Up To 11" Read Range, 12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID LR 2000).....	4,691.89	120.63
Note: Includes mounting bracket and 12 VDC regulated power supply.		
28 16 11 00-0091 HID, Proximity Card Controls, Wiegand Output Access Controls <small>(28 16 11 00-0065)</small>		
28 16 11 00-0092 HID, Proximity Cards <small>(28 16 11 00-0091)</small>		
28 16 11 00-0093 EA Clamshell Type, HID Proximity Card (HID ProxCard II).....	12.89	
28 16 11 00-0094 EA ISO Compliant Graphics Card, HID Proximity Card (HID ISOProx II).....	16.40	
28 16 11 00-0095 EA HID Proximity Key Fob (HID ProxKey II).....	16.79	
28 16 11 00-0096 HID, Proximity Card Readers, Wiegand Output Access Controls <small>(28 16 11 00-0091)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0097 EA Up To 3" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ProxPoint Plus).....	376.99	120.63
Note: For mullion mounting. (HID P/N 6005).		
28 16 11 00-0098 EA Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ThinLine II).....	431.83	120.63
Note: For single gang electrical box mounting. (HID P/N 5395).		
28 16 11 00-0099 EA Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID MiniProx).....	472.96	120.63
Note: For mullion mounting. (HID P/N 5365).		
28 16 11 00-0100 EA EntryProx Single-Door Proximity Access Control.....	584.02	120.63
Note: (HID P/N 4045) Stores up to 2,000 users and 1,000 time-stamped transactions 12 position keypad for Pin entry or programming optional use with card/key fob, code only or card plus pin code Wiegand output mode. Continental Instrument CICR2358P.		
28 16 11 00-0101 Contactless Smart Card Controls, Wiegand Output Access Controls <small>(28 16 11 00-0064)</small>		
28 16 11 00-0102 HID, Contactless Smart Cards <small>(28 16 11 00-0101)</small>		
28 16 11 00-0103 EA 2K Bits, Clamshell Type, HID iClass, Contactless Smart Card.....	8.59	
28 16 11 00-0104 EA 16K Bits, ISO Compliant Graphics Card, HID iClass, Contactless Smart Card.....	9.37	
28 16 11 00-0105 EA 16K Bits, Contactless Smartcard Key Fob, HID iClass, Contactless Smart Card.....	12.26	
28 16 11 00-0106 EA 16K Bits, Contactless Smartcard Tag, HID iClass, Contactless Smart Card.....	6.64	
Note: Battery powered tag to boost signal.		
28 16 11 00-0107 HID, Contactless Smart Card Readers, Wiegand Output Access Controls <small>(28 16 11 00-0101)</small>		
28 16 11 00-0108 EA Up To 3-1/4" Read Range, 5-16 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R10).....	396.09	120.63
Note: For mullion mounting.		
28 16 11 00-0109 EA Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R40).....	524.87	120.63
Note: For mullion mounting.		
28 16 11 00-0110 EA Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader With Keypad, Wiegand Output Access Controls (HID RK40).....	814.62	120.63
Note: For mullion mounting.		
28 16 11 00-0111 HID, Contactless Smart Card Programmer, Wiegand Output Access Controls <small>(28 16 11 00-0101)</small>		
28 16 11 00-0112 EA HID iClass Contactless Smart Card Programmer, Wiegand Output Access Controls (HID CP400).....	2,444.27	120.63
Note: For mullion mounting.		
28 16 11 00-0113 Call Station Controls, Wiegand Output Access Controls <small>(28 16 11 00-0064)</small>		
Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 16 11 00-0114 EA Call Station With Entry Keypad, Exterior Wiegand Output Access Controls.....	993.85	120.63
Note: For mullion mounting.		
28 16 11 00-0115 EA Call Station With Proximity Card Reader, Exterior Wiegand Output Access Controls.....	837.06	120.63
Note: For mullion mounting.		
28 16 11 00-0116 Biometrics Readers, Wiegand Output Access Controls <small>(28 16 11 00-0064)</small>		
28 16 11 00-0117 EA Palm Reader Recognition System, Biometrics Readers, Wiegand Output Access Controls.....	3,823.51	96.51
28 16 11 00-0118 EA CCD Camera, Face Image, Biometrics Readers, Wiegand Output Access Controls.....	4,657.78	96.51
28 16 11 00-0119 EA Video Grabber Card For DFR Reader, Biometrics Readers, Wiegand Output Access Controls.....	1,869.91	96.51
28 16 11 00-0120 EA Fingerprint Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Pass).....	1,258.48	96.51
28 16 11 00-0121 EA Fingerprint Reader With HID Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Prox).....	1,396.46	96.51
28 16 11 00-0122 EA Fingerprint Reader With Contactless Smart Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Smart).....	1,258.48	96.51
28 16 11 00-0123 Exterior Mounting Posts For Gate Operator Access Controls <small>(28 16 11)</small>		
Note: Includes mounting plate for access controls, baked on enamel finish and mounting bolt covers. Excludes concrete pads and electrical connections.		
28 16 11 00-0124 2" x 2" Steel, Exterior Mounting Posts For Gate Operator Access Controls <small>(28 16 11 00-0123)</small>		
28 16 11 00-0125 EA 44" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls.....	258.76	17.53
Note: Includes a 5" x 5" base plate.		
28 16 11 00-0126 EA 73" Tall, Gooseneck Style, Dual Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls.....	505.44	17.53
Note: Includes an 8" x 8" base plate.		
28 16 11 00-0127 EA Anchor Post For 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls.....	233.67	17.53
Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.		
28 16 11 00-0128 4" x 4" Steel, Exterior Mounting Posts For Gate Operator Access Controls <small>(28 16 11 00-0123)</small>		
28 16 11 00-0129 EA 59" Tall, Straight Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls.....	465.72	17.53
Note: Includes an 8" x 8" base plate.		

28 Electronic Safety And Security**28 10 Access Control****28 16 Access Control Interfaces**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0130 EA 49" Tall, Offset Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls.....	557.71	17.53
Note: Includes an 8" x 8" base plate and a 14" offset from back of post.		
28 16 11 00-0131 EA Anchor Post For 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls.....	338.20	17.53
Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.		
28 16 11 00-0132 4" x 8" Steel, Exterior Mounting Posts For Gate Operator Access Controls ^(28 16 11)		
28 16 11 00-0133 EA 59" Tall, Straight Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls.....	1,529.81	17.53
Note: Includes a 11" x 13" base plate.		
28 16 11 00-0134 EA 50" Tall, Offset Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls.....	1,602.98	17.53
Note: Includes a 10" x 14" base plate and a 14" offset from back of post.		
28 16 11 00-0135 EA Anchor Post For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls.....	651.78	17.53
Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.		
28 16 11 00-0136 EA 48" Light Tower For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls.....	1,048.99	17.53
28 16 11 00-0137 Access Control Accessories ^(28 16 11)		
28 16 11 00-0138 EA Modem: Multitech, Mt2834L.....	1,429.70	
28 16 11 00-0139 EA 6 Volt DC, 12 Volt DC, Or 24 Volt DC, @ 4 Amps, Power Supply/Charger (Altronix SMP-5).....	387.48	
28 16 11 00-0140 EA 12 Volt, 7 Amp, Battery.....	47.40	
28 16 11 00-0141 EA 12 Volt, 18 Amp, Battery.....	105.65	
28 16 11 00-0142 EA Door Personality Module (Sensormatic RM-4).....	419.58	24.13
28 16 11 00-0143 EA Mini-Alert Door Ajar Sounder (System Sensor PA400).....	186.65	48.25
28 16 11 00-0144 EA Recessed Contact For Steel Doors, Door Monitor Switch (Sentrol 1078C).....	70.20	28.95
28 16 11 00-0145 EA Access Control Systems Power Supply (Altronix AL400ULACMCB).....	442.96	19.30
28 16 11 00-0146 EA Surge Suppressor (Tripp-Lite IBAR4).....	67.91	4.84
28 16 11 00-0147 EA Door Strike Relay (Altronix RBSN-TTL).....	56.58	19.30
28 16 11 00-0148 EA 4" Diameter x 74" High, Powder Coated Steel, Burial Mount Gooseneck For Access Control Devices (GNB-1).....	351.81	
Note: Set in concrete.		
28 16 11 00-0149 Access Controllers ^(28 16 11)		
28 16 11 00-0150 Microterm Controller ^(28 16 11 00-0149)		
28 16 11 00-0151 EA Microterm Stand Alone One Or Two Door Processing Panel (Continental Instruments CICIP1100).....	1,063.66	120.63
Note: Up to 1,000 card capacity. Includes 2 alarm inputs, tamper alarm, and 3 relay outputs.		
28 16 11 00-0152 EA Microterm PC Board (Continental Instruments CICIP1100PCB).....	746.63	72.38
28 16 11 00-0153 EA Battery Standby For Microterm (Continental Instruments CICIP1100BAT-2).....	342.29	
Note: Input 120VAC, output 12VDC to temporarily power the Microterm only.		
28 16 11 00-0154 Miniterm Controller ^(28 16 11 00-0149)		
28 16 11 00-0155 EA Miniterm Two Reader Processing Panel (Continental Instrument CICIP1200).....	1,628.29	120.63
Note: Up to 3,000 card capacity. Includes 8 EOL Class A supervised alarm inputs, tamper alarm, and 5 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.		
28 16 11 00-0156 EA Miniterm PC Board (Continental Instrument CICIP1200PCB).....	1,208.12	72.38
28 16 11 00-0157 Super-2 Controller ^(28 16 11 00-0149)		
28 16 11 00-0158 EA Super-Two - Two Reader Processing Panel (Continental Instruments CICIP1300).....	1,222.35	120.63
Note: For use with CA3000 V2.0.25 and above. Up to a 125,000 card capacity, 8 EOL supervised alarm inputs, tamper, 5 relay outputs. Support for on-board LAN adapter, 57,600 baud rate, 6 access groups per card-holder and compressed data mode. Complete in a lockable steel enclosure with battery standby for memory and system operation.		
28 16 11 00-0159 EA Super-Two - PC Board (Continental Instruments CICIP1300BD).....	820.14	72.38
28 16 11 00-0160 EA Network Interface Board For Super-2 (Continental Instruments CICIP1300NETBD).....	245.39	72.38
Note: Optional on-board adapter allows for communication over TCP/IP.		
28 16 11 00-0161 Smarterm Controller ^(28 16 11 00-0149)		
28 16 11 00-0162 EA Smarterm Four Reader Processing Panel (Continental Instrument CICIP1400).....	3,361.01	144.75
Note: Card capacity up to 2,500. Includes 16 alarm inputs, tamper alarm, and 9 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.		
28 16 11 00-0163 EA Smarterm PC Board (Continental Instrument CICIP1400PCB).....	2,553.29	72.38
28 16 11 00-0164 EA Smarterm Memory Board - 256K (Continental Instrument CICIP1400MB256-1).....	1,009.02	72.38
Note: Up to 10,000 cardholders.		
28 16 11 00-0165 EA Smarterm Memory Board - 2MB (Continental Instrument CICIP1400MB2-1).....	1,423.82	72.38
Note: Up to 50,000 cardholders.		
28 16 11 00-0166 EA Smarterm Relay Expander Board (Continental Instrument CICIP1400RB).....	1,113.00	72.38
Note: 16 Output relays, 8 alarm inputs.		
28 16 11 00-0167 EA Smarterm Alarm Expander Board (Continental Instrument CICIP1400RB).....	1,113.00	72.38
Note: (Supervised) 16 alarm inputs.		
28 16 11 00-0168 Superterm-4 Controller ^(28 16 11 00-0149)		
28 16 11 00-0169 EA Superterm-4 - Four Reader Processing Panel (Continental Instrument CICIP1400UL).....	3,107.89	144.75
Note: 20,000 card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.		
28 16 11 00-0170 EA Superterm-4 PC Board (Continental Instrument CICIP1400ULPCB).....	2,510.75	72.38



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	28 16 11 00-0171			Superterm-8 Controller <small>(28 16 11 00-0149)</small>		
	28 16 11 00-0172	EA		Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICIP1800) 4,162.36 Note: Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.	4,162.36	241.25
	28 16 11 00-0173	EA		Superterm-8 - Eight Reader Processing Panel, Expanded Power (Continental Instrument CICIP1800EXP) 4,508.03 Note: With expanded power supply. (required if more than 1 relay expander board is used.) Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.	4,508.03	241.25
	28 16 11 00-0174	EA		Superterm-8 PC Board (Continental Instrument CICIP1800PCB) 3,372.22	3,372.22	72.38
	28 16 11 00-0175			Turbo Superterm-4 Controller <small>(28 16 11 00-0149)</small>		
	28 16 11 00-0176	EA		Turbo Superterm-4 - Four Reader Processing Panel (Continental Instrument CICIP1400ULT) 3,107.89 Note: 20,000 Card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.	3,107.89	144.75
	28 16 11 00-0177	EA		Turbo Superterm-4 PC Board (Continental Instrument CICIP1400ULTPCB) 2,510.75	2,510.75	72.38
	28 16 11 00-0178			Turbo Superterm-8 Controller <small>(28 16 11 00-0149)</small>		
	28 16 11 00-0179	EA		Turbo Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICIP1800T) 4,162.36 Note: For use with CA3000 V2.0.25 and above. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.	4,162.36	241.25
	28 16 11 00-0180	EA		Turbo Superterm-8 -Eight Reader Processing Panel, Expanded Power (Continental Instrument CICIP1800TEXP) 4,508.03 Note: Required if more than one relay expander board is used. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.	4,508.03	241.25
	28 16 11 00-0181	EA		Turbo Superterm-8 PC Board (Continental Instrument CICIP1800TPCB) 3,372.22	3,372.22	72.38
	28 16 11 00-0182	EA		Superterm Memory Board - 2MB (Continental Instrument CICIP1800MB2) 1,423.82 Note: Up to 140,000 cardholders.	1,423.82	72.38
	28 16 11 00-0183	EA		Turbo/Superterm-8 Memory Board - 2MB (Continental Instrument CICIP1800MB2X2) 1,202.58 Note: Up to 140,000 cardholders.	1,202.58	72.38
	28 16 11 00-0184	EA		Turbo Superterm-8 Relay Expander Board (Continental Instrument CICIP1800RB) 1,114.11 Note: 16 Output relays, 8 alarm inputs.	1,114.11	72.38
	28 16 11 00-0185	EA		Turbo Superterm-8 Alarm Expander Board (Continental Instrument CICIP1800RB) 1,114.11 Note: (Supervised) 16 Alarm inputs.	1,114.11	72.38
	28 16 11 00-0186	EA		Expanded Power Supply For Superterm Or Turbo Superterm (Continental Instrument CICIP1800PWS) 443.38	443.38	
	28 16 11 00-0187			Intelligent Controller <small>(28 16 11 00-0149)</small>		
	28 16 11 00-0188	EA		Intelligent Controller With Paired Reader Interface for One Physical Barrier (Mercury Security EP-1501) 806.50	806.50	72.38
	28 16 11 00-0189	EA		Up To 64 Doors, Access Controller (Mercury Security EP-1502) 1,413.24	1,413.24	120.63
	28 16 11 00-0190			Access Control Bundled System <small>(28 16 11)</small>		
	28 16 11 00-0191	EA		CA 3000 Bundled System, Supports 25 Users (Continental Instrument CA3B250P4O3V0R0) 22,172.19 Note: System includes PC, monitor, keyboard, mouse, OS, Card Access 3000 file server software, MS SQL 2000, 1 SQL host license, and security key.	22,172.19	
	28 16 11 00-0192			Magnetic Locks <small>(28 16 11)</small> Note: Excludes access controls.		
	28 16 11 00-0193			Magnetic Door Locks <small>(28 16 11 00-0192)</small>		
	28 16 11 00-0194			300 LB Magnetic Door Locks <small>(28 16 11 00-0193)</small>		
	28 16 11 00-0195	EA		Single Door, Surface Mount, 300 LB Magnetic Door Lock 441.78	441.78	96.51
	28 16 11 00-0196			600 LB Magnetic Door Locks <small>(28 16 11 00-0193)</small>		
	28 16 11 00-0197	EA		Single Door, Surface Mount, 600 LB Magnetic Door Lock 614.25 For LED Status Indicator And Signal Relay, Add 52.66 For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add 105.31 For Mortise Mount, Deduct -84.25	614.25	96.51
	28 16 11 00-0198	EA		Dual Doors, Surface Mount, 600 LB Magnetic Door Lock 897.52 For LED Status Indicator And Signal Relay, Add 88.07 For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add 176.13	897.52	96.51
	28 16 11 00-0199			1,200 LB Magnetic Door Locks <small>(28 16 11 00-0193)</small>		
	28 16 11 00-0200	EA		Single Door, Surface Mount, 1,200 LB Magnetic Door Lock 640.38 For LED Status Indicator And Signal Relay, Add 102.90 For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add 134.21	640.38	96.51
	28 16 11 00-0201	EA		Dual Doors, Surface Mount, 1,200 LB Magnetic Door Lock 953.96 For LED Status Indicator And Signal Relay, Add 175.02 For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add 228.29	953.96	96.51
	28 16 11 00-0202			2,000 LB Shear Lock, Magnetic And Mechanical Locks <small>(28 16 11 00-0193)</small> Note: Includes LED status indicator and built-in signal relay.		
	28 16 11 00-0203	EA		Single Door, Mortise Mount, 2,000 LB Shear Lock, Magnetic And Mechanical Door Lock 668.60	668.60	96.51

28 Electronic Safety And Security**28 10 Access Control****28 16 Access Control Interfaces**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 16 11 00-0204	Magnetic Gate Locks <small>(28 16 11 00-0192)</small>		
28 16 11 00-0205	600 LB Magnetic Gate Locks <small>(28 16 11 00-0204)</small>		
28 16 11 00-0206	EA 600 LB Magnetic Gate Lock.....	510.76	96.51
28 16 11 00-0207	1,200 LB Magnetic Gate Locks <small>(28 16 11 00-0204)</small>		
28 16 11 00-0208	EA 1,200 LB Magnetic Gate Lock.....	605.88	96.51
	For LED Status Indicator And Signal Relay, Add	51.61	
	For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	103.22	
	For Mortise Mount, Deduct	-82.58	
28 16 11 00-0209	Magnetic Lock Power Supply And Chargers <small>(28 16 11 00-0192)</small>		
	Note: Includes lockable metal enclosure, batteries, battery charger and electronically regulated outputs.		
28 16 11 00-0210	EA 12/24 Volt DC At 1 Amp, Magnetic Lock Backup Power Supply And Charger.....	389.07	96.51
28 16 11 00-0211	EA 12/24 Volt DC At 2-1/2 Amp, Magnetic Lock Backup Power Supply And Charger.....	483.84	96.51
28 16 11 00-0212	EA 12 Volt DC At 4 Amp And 24 Volt DC At 3 Amp, Magnetic Lock Backup Power Supply And Charger.....	539.59	96.51
28 16 11 00-0213	EA 12/24 Volt DC At 6 Amp, Magnetic Lock Backup Power Supply And Charger.....	667.81	96.51
28 16 11 00-0214	Master Door Buzzer Stations <small>(28 16 11)</small>		
28 16 11 00-0215	Master Stations <small>(28 16 11 00-0214)</small>		
28 16 11 00-0216	EA Master Stations, 5 Station Intercommunication Equipment.....	739.31	150.54
28 16 11 00-0217	EA Master Stations, 10 Station Intercommunication Equipment.....	1,147.17	291.43
28 16 11 00-0218	EA Master Station, Desk Style Remote Intercommunication Equipment.....	323.58	75.27
28 16 11 00-0219	EA Master Station, Flush Wall Remote Intercommunication Equipment.....	430.52	125.45
28 16 11 00-0220	EA Sound System Outlet, Protector.....	119.91	49.11
28 16 11 00-0221	EA Sound System Microphone Outlet.....	217.90	100.55
28 16 11 00-0222	EA Sound System Speaker Ceiling Or Wall.....	151.22	49.11
28 16 11 00-0223	EA Sound System Monitor Panel.....	417.86	100.55
28 16 11 00-0224	EA Sound System Volume Control.....	134.35	49.11
28 16 11 00-0225	EA Sound System Amplifier 250 W.....	1,898.17	402.12
28 16 11 00-0226	EA Sound System Cabinet.....	1,201.68	402.12
28 16 11 00-0227	Master Door Stations <small>(28 16 11 00-0214)</small>		
28 16 11 00-0228	EA Master Door Stations, Button Buzzer Type, 25 Station.....	1,845.56	
	For Intercom Type Master Door Station, Add	120.28	
28 16 11 00-0229	EA Master Door Stations, Button Buzzer Type, 50 Station.....	3,062.04	
	For Intercom Type Master Door Station, Add	194.85	
28 16 11 00-0230	EA Master Door Stations, Button Buzzer Type, 75 Station.....	4,220.85	
	For Intercom Type Master Door Station, Add	252.58	
28 16 11 00-0231	EA Master Door Stations, Button Buzzer Type, 100 Station.....	4,815.71	
	For Intercom Type Master Door Station, Add	295.88	
28 16 11 00-0232	EA Master Door Stations, Button Buzzer Type, 150 Station.....	5,751.44	
	For Intercom Type Master Door Station, Add	433.00	
28 16 11 00-0233	EA Master Door Stations, Button Buzzer Type, 200 Station.....	6,685.37	
	For Intercom Type Master Door Station, Add	558.09	
28 16 11 00-0234	EA Master Door Stations, Button Buzzer Type, 250 Station.....	8,392.01	
	For Intercom Type Master Door Station, Add	721.67	
28 16 11 00-0235	EA Master Door Stations, Button Buzzer Type, 300 Station.....	10,069.09	
	For Intercom Type Master Door Station, Add	827.51	
28 16 11 00-0236	EA Transformer.....	127.78	
28 16 11 00-0237	EA Door Opener.....	189.63	
28 16 11 00-0238	EA Buzzer With Door Release And Plate.....	237.90	
28 16 11 00-0239	EA Amplifier For Intercom Type Unit.....	356.02	
28 16 11 00-0240	EA Speaker With Door Release.....	153.84	
28 18	Security Access Detection Equipment <small>(28 10)</small>		
28 18 11	Security Access Metal Detectors <small>(28 18)</small>		
28 18 11 00-0001	EA Handheld Scanner (Garrett Super Scanner V).....	168.61	24.13
28 18 11 00-0002	EA Single-Zone, Walk-Through Metal Detector, Complete Unit (Garrett CS 5000).....	2,666.09	289.51
28 18 11 00-0003	EA Multi-Zone, Walk-Through Metal Detector, Complete Unit (Garrett PD 6500).....	4,081.91	386.00
28 20	Video Surveillance <small>(28)</small>		
	Note: Includes testing of new devices and certification.		
28 21	Surveillance Cameras <small>(28 20)</small>		
28 21 00 00-0001	Closed Circuit Television And Surveillance Systems (Pelco) <small>(28 21)</small>		
	Note: Includes programming of equipment, testing of new devices and certification.		
28 21 00 00-0002	Cameras And Accessories <small>(28 21 00 00-0001)</small>		
28 21 00 00-0003	Cameras <small>(28 21 00 00-0002)</small>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0004				Compact, 1/3" Format Cameras (28 21 00 00-0003)		
28 21 00 00-0005				High Resolution Color, Compact, 1/3" Format Cameras (28 21 00 00-0004)		
28 21 00 00-0006	EA			Wide Dynamic Range, High Resolution Day/Night, Compact, 1/3" Format Camera (Pelco CCC1390H)	538.00	24.16
28 21 00 00-0007	EA			High Resolution Day/Night, Compact, 1/3" Format Camera (Pelco C10DN-6)	442.50	24.16
28 21 00 00-0008				Day/Night, Compact, 1/3" Format Cameras (28 21 00 00-0004)		
28 21 00 00-0009	EA			High Resolution Color, Compact, 1/3" Format Camera (Pelco C10CH-6)	263.72	24.16
28 21 00 00-0010				Camerapaks (28 21 00 00-0002) Note: Includes camera and lens.		
28 21 00 00-0011				Camerapaks (28 21 00 00-0010)		
28 21 00 00-0012				High Resolution Color, Camerapaks (28 21 00 00-0011)		
28 21 00 00-0013				Fixed Focus, High Resolution Color, Camerapaks (28 21 00 00-0012)		
28 21 00 00-0014				Manual Iris, Fixed Focus, High Resolution Color, Camerapaks (28 21 00 00-0013)		
28 21 00 00-0015	EA			2.3 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3)	341.26	24.16
28 21 00 00-0016	EA			2.8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8)	321.16	24.16
28 21 00 00-0017	EA			4 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4)	311.83	24.16
28 21 00 00-0018	EA			8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8)	309.67	24.16
28 21 00 00-0019				Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapaks (28 21 00 00-0013)		
28 21 00 00-0020	EA			2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3A)	371.42	24.16
28 21 00 00-0021	EA			2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8A)	341.26	24.16
28 21 00 00-0022	EA			4 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4A)	334.08	24.16
28 21 00 00-0023	EA			8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8A)	328.34	24.16
28 21 00 00-0024				Varifocal, High Resolution Color, Camerapaks (28 21 00 00-0012)		
28 21 00 00-0025				Manual Iris, Varifocal, High Resolution Color, Camerapaks (28 21 00 00-0024)		
28 21 00 00-0026	EA			1-3 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1)	400.86	24.16
28 21 00 00-0027	EA			2.5-6 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2)	362.09	24.16
28 21 00 00-0028	EA			2.8-12 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21)	330.49	24.16
28 21 00 00-0029	EA			3-8 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3)	317.57	24.16
28 21 00 00-0030	EA			5-40 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5)	365.68	24.16
28 21 00 00-0031				Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks (28 21 00 00-0024)		
28 21 00 00-0032	EA			1-3 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1A)	432.45	24.16
28 21 00 00-0033	EA			2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2A)	405.88	24.16
28 21 00 00-0034	EA			2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21A)	360.65	24.16
28 21 00 00-0035	EA			3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3A)	322.60	24.16
28 21 00 00-0036	EA			5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5A)	380.75	24.16
28 21 00 00-0037	EA			5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V50A)	429.58	24.16
28 21 00 00-0038	EA			5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V55A)	492.04	24.16
28 21 00 00-0039				Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks (28 21 00 00-0024)		
28 21 00 00-0040	EA			3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R3A)	339.11	24.16
28 21 00 00-0041	EA			7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R75A)	404.45	24.16
28 21 00 00-0042				High Resolution Day/Night, Camerapaks (28 21 00 00-0011)		
28 21 00 00-0043				Varifocal, High Resolution Day/Night, Camerapaks (28 21 00 00-0042)		
28 21 00 00-0044				Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks (28 21 00 00-0043)		
28 21 00 00-0045	EA			2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V2A)	680.16	24.16
28 21 00 00-0046	EA			2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V21A)	634.93	24.16
28 21 00 00-0047	EA			3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V3A)	596.87	24.16
28 21 00 00-0048	EA			5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V5A)	655.03	24.16
28 21 00 00-0049	EA			5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V50A)	703.85	24.16
28 21 00 00-0050	EA			5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V55A)	765.60	24.16
28 21 00 00-0051				Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks (28 21 00 00-0043)		
28 21 00 00-0052	EA			3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R3A)	613.39	24.16

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0053	EA		7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R75A).....	678.72	24.16
28 21 00 00-0054			Compact Camerapaks (28 21 00 00-0010)		
28 21 00 00-0055			High Resolution Color, Compact Camerapaks (28 21 00 00-0054)		
28 21 00 00-0056			DSS, High Resolution Color, Compact Camerapaks (28 21 00 00-0055)		
28 21 00 00-0057			Fixed Focus, DSS, High Resolution Color, Camerapaks (28 21 00 00-0056)		
28 21 00 00-0058			Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks (28 21 00 00-0057)		
28 21 00 00-0059	EA		2.3 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3).....	528.66	24.16
28 21 00 00-0060	EA		2.8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8).....	508.56	24.16
28 21 00 00-0061	EA		4 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4).....	498.51	24.16
28 21 00 00-0062	EA		8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8).....	496.35	24.16
28 21 00 00-0063			Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks (28 21 00 00-0057)		
28 21 00 00-0064	EA		2.3 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3A).....	558.10	24.16
28 21 00 00-0065	EA		2.8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8A).....	528.66	24.16
28 21 00 00-0066	EA		4 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4A).....	521.48	24.16
28 21 00 00-0067	EA		8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8A).....	515.74	24.16
28 21 00 00-0068			Varifocal, DSS, High Resolution Color, Camerapaks (28 21 00 00-0056)		
28 21 00 00-0069			Manual Iris, Varifocal, DSS, High Resolution Color, Camerapaks (28 21 00 00-0068)		
28 21 00 00-0070	EA		1-3 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1).....	588.26	24.16
28 21 00 00-0071	EA		2.5-6 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2).....	548.77	24.16
28 21 00 00-0072	EA		2.8-12 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21).....	517.89	24.16
28 21 00 00-0073	EA		3-8 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3).....	504.97	24.16
28 21 00 00-0074	EA		5-40 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5).....	552.36	24.16
28 21 00 00-0075	EA		5-50 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50).....	583.23	24.16
28 21 00 00-0076	EA		5.5-82.5 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55).....	656.47	24.16
28 21 00 00-0077			Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks (28 21 00 00-0068)		
28 21 00 00-0078	EA		1-3 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1A).....	619.13	24.16
28 21 00 00-0079	EA		2.5-6 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2A).....	593.28	24.16
28 21 00 00-0080	EA		2.8-12 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21A).....	548.05	24.16
28 21 00 00-0081	EA		3-8 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3A).....	509.28	24.16
28 21 00 00-0082	EA		5-40 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5A).....	568.15	24.16
28 21 00 00-0083	EA		5-50 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50A).....	616.98	24.16
28 21 00 00-0084	EA		5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55A).....	678.72	24.16
28 21 00 00-0085			Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks (28 21 00 00-0068)		
28 21 00 00-0086	EA		3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R3A).....	526.51	24.16
28 21 00 00-0087	EA		7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R75A).....	591.85	24.16
28 21 00 00-0088			EDR, High Resolution Color, Compact Camerapaks (28 21 00 00-0055)		
28 21 00 00-0089			Fixed Focus, EDR, High Resolution Color, Camerapaks (28 21 00 00-0088)		
28 21 00 00-0090			Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks (28 21 00 00-0089)		
28 21 00 00-0091	EA		2.3 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3).....	528.66	24.16
28 21 00 00-0092	EA		2.8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8).....	396.55	24.16
28 21 00 00-0093	EA		4 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4).....	386.50	24.16
28 21 00 00-0094	EA		8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8).....	384.34	24.16
28 21 00 00-0095			Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks (28 21 00 00-0089)		
28 21 00 00-0096	EA		2.3 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3A).....	446.09	24.16
28 21 00 00-0097	EA		2.8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8A).....	416.65	24.16
28 21 00 00-0098	EA		4 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4A).....	409.47	24.16
28 21 00 00-0099	EA		8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8A).....	409.47	24.16
28 21 00 00-0100			Varifocal, EDR, High Resolution Color, Camerapaks (28 21 00 00-0088)		
28 21 00 00-0101			Manual Iris, Varifocal, EDR, High Resolution Color, Camerapaks (28 21 00 00-0100)		
28 21 00 00-0102	EA		1-3 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1).....	476.25	24.16



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0103 EA 2.5-6 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2).....	436.76	24.16
28 21 00 00-0104 EA 2.8-12 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21).....	405.88	24.16
28 21 00 00-0105 EA 3-8 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3).....	392.96	24.16
28 21 00 00-0106 EA 5-40 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5).....	440.35	24.16
28 21 00 00-0107 EA 5-50 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50).....	471.22	24.16
28 21 00 00-0108 EA 5.5-82.5 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55).....	544.46	24.16
28 21 00 00-0109 Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks <small>(28 21 00 00-0100)</small>		
28 21 00 00-0110 EA 1-3 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1A).....	507.12	24.16
28 21 00 00-0111 EA 2.5-6 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2A).....	481.27	24.16
28 21 00 00-0112 EA 2.8-12 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21A).....	435.32	24.16
28 21 00 00-0113 EA 3-8 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3A).....	397.27	24.16
28 21 00 00-0114 EA 5-40 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5A).....	456.14	24.16
28 21 00 00-0115 EA 5-50 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50A).....	504.97	24.16
28 21 00 00-0116 EA 5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55A).....	566.72	24.16
28 21 00 00-0117 Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks <small>(28 21 00 00-0100)</small>		
28 21 00 00-0118 EA 3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R3A).....	414.50	24.16
28 21 00 00-0119 EA 7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R75A).....	479.84	24.16
28 21 00 00-0120 High Resolution Day/Night, Compact Camerapaks <small>(28 21 00 00-0054)</small>		
28 21 00 00-0121 Fixed Focus, High Resolution Day/Night, Compact Camerapaks <small>(28 21 00 00-0120)</small>		
28 21 00 00-0122 Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks <small>(28 21 00 00-0121)</small>		
28 21 00 00-0123 EA 8 mm, Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F8).....	488.45	24.16
28 21 00 00-0124 DC-Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks <small>(28 21 00 00-0121)</small>		
28 21 00 00-0125 EA 2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.3A).....	550.20	24.16
28 21 00 00-0126 EA 2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.8A).....	520.05	24.16
28 21 00 00-0127 Varifocal, High Resolution Day/Night, Compact Camerapaks <small>(28 21 00 00-0120)</small>		
28 21 00 00-0128 Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks <small>(28 21 00 00-0127)</small>		
28 21 00 00-0129 EA 2.8-12 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21).....	509.28	24.16
28 21 00 00-0130 EA 3-8 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3).....	496.35	24.16
28 21 00 00-0131 EA 5-50 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50).....	575.33	24.16
28 21 00 00-0132 Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks <small>(28 21 00 00-0127)</small>		
28 21 00 00-0133 EA 2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V2A).....	584.67	24.16
28 21 00 00-0134 EA 2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21A).....	539.43	24.16
28 21 00 00-0135 EA 3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3A).....	501.38	24.16
28 21 00 00-0136 EA 5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V5A).....	559.54	24.16
28 21 00 00-0137 EA 5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50A).....	608.36	24.16
28 21 00 00-0138 EA 5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V55A).....	670.83	24.16
28 21 00 00-0139 Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks <small>(28 21 00 00-0127)</small>		
28 21 00 00-0140 EA 3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R3A).....	517.89	24.16
28 21 00 00-0141 EA 7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R75A).....	583.23	24.16
28 21 00 00-0142 Camera Systems <small>(28 21 00 00-0002)</small>		
28 21 00 00-0143 Camera Dome Systems <small>(28 21 00 00-0142)</small>		
28 21 00 00-0144 Spectra®, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0143)</small>		

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0145 Spectra®, Pan/Tilt Camera Dome Systems (28 21 00 00-0144) Note: Includes dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.		
28 21 00 00-0146 Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0145)		
28 21 00 00-0147 Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0146)		
28 21 00 00-0148 EA 22X, Surface Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-SMB)	2,176.82	144.95
28 21 00 00-0149 EA 22X, In-Ceiling Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-F)	2,471.20	144.95
28 21 00 00-0150 EA 22X, Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PB)	2,603.32	144.95
28 21 00 00-0151 EA 22X, Environmental Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PG-E).....	3,591.28	144.95
28 21 00 00-0152 Color, Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0146)		
28 21 00 00-0153 EA 16X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-SMB)	1,842.95	144.95
28 21 00 00-0154 EA 16X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F)	1,991.58	144.95
28 21 00 00-0155 EA 16X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PB)	2,124.41	144.95
28 21 00 00-0156 EA 16X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F-E).....	2,200.52	144.95
28 21 00 00-0157 EA 16X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PG-E)	2,200.52	144.95
28 21 00 00-0158 EA 22X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-SMB)	2,303.19	144.95
28 21 00 00-0159 EA 22X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F)	2,598.29	144.95
28 21 00 00-0160 EA 22X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PB)	2,731.12	144.95
28 21 00 00-0161 EA 22X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F-E).....	2,807.23	144.95
28 21 00 00-0162 EA 22X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PG-E).....	2,807.23	144.95
28 21 00 00-0163 Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0146)		
28 21 00 00-0164 EA 23X, Surface Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-SMB)	2,671.53	144.95
28 21 00 00-0165 EA 23X, In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F)	2,966.62	144.95
28 21 00 00-0166 EA 23X, Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PB)	3,099.45	144.95
28 21 00 00-0167 EA 23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F-E).....	3,175.56	144.95
28 21 00 00-0168 EA 23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PG-E).....	3,175.56	144.95
28 21 00 00-0169 Day/Night, Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0146)		
28 21 00 00-0170 EA 18X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-SMB).....	2,430.28	144.95
28 21 00 00-0171 EA 18X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F).....	2,579.62	144.95
28 21 00 00-0172 EA 18X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PB).....	2,711.73	144.95
28 21 00 00-0173 EA 18X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F-E)	2,787.84	144.95
28 21 00 00-0174 EA 18X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PG-E).....	2,787.84	144.95
28 21 00 00-0175 EA 35X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-SMB)	2,913.49	144.95
28 21 00 00-0176 EA 35X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F)	3,148.28	144.95
28 21 00 00-0177 EA 35X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PB).....	3,280.39	144.95
28 21 00 00-0178 EA 35X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F-E)	3,356.50	144.95
28 21 00 00-0179 EA 35X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PG-E).....	3,356.50	144.95
28 21 00 00-0180 Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0145)		
28 21 00 00-0181 Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0180)		
28 21 00 00-0182 EA 16X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HF).....	2,379.30	144.95
For Protective Lower Dome Cage, Add	34.65	
28 21 00 00-0183 EA 16X, Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HP).....	2,507.10	144.95
For Protective Lower Dome Cage, Add	34.65	
28 21 00 00-0184 EA 16X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HPE)	2,609.06	144.95
For Protective Lower Dome Cage, Add	34.65	
28 21 00 00-0185 EA 22X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HF)	2,941.49	144.95
For Protective Lower Dome Cage, Add	34.65	
28 21 00 00-0186 EA 22X, Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HP).....	3,069.30	144.95
For Protective Lower Dome Cage, Add	34.65	
28 21 00 00-0187 EA 22X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HPE)	3,171.97	144.95
For Protective Lower Dome Cage, Add	34.65	
28 21 00 00-0188 Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0180)		
28 21 00 00-0189 EA 18X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HF).....	2,966.62	144.95
For Protective Lower Dome Cage, Add	34.65	
28 21 00 00-0190 EA 18X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HP)	3,094.43	144.95
For Protective Lower Dome Cage, Add	34.65	
28 21 00 00-0191 EA 18X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HPE).....	3,197.10	144.95
For Protective Lower Dome Cage, Add	34.65	
28 21 00 00-0192 EA 35X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HF).....	3,491.48	144.95
For Protective Lower Dome Cage, Add	34.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0193 EA 35X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HP)..... <i>For Protective Lower Dome Cage, Add</i>	3,618.57 34.65	144.95
28 21 00 00-0194 EA 35X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HPE)..... <i>For Protective Lower Dome Cage, Add</i>	3,721.24 34.65	144.95
28 21 00 00-0195 Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0145)		
28 21 00 00-0196 Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00-0195)		
28 21 00 00-0197 EA 18X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PRE).....	3,909.36	144.95
28 21 00 00-0198 EA 35X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PRE).....	4,434.22	144.95
28 21 00 00-0199 Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0145)		
28 21 00 00-0200 Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0199)		
28 21 00 00-0201 EA 22X, Environmental Pendant Mount, Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PSGE).....	3,405.32	144.95
28 21 00 00-0202 Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0199)		
28 21 00 00-0203 EA 16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PSGE).....	2,970.21	144.95
28 21 00 00-0204 EA 22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PSGE).....	3,533.13	144.95
28 21 00 00-0205 Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0199)		
28 21 00 00-0206 EA 23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PSGE).....	3,901.46	144.95
28 21 00 00-0207 Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0199)		
28 21 00 00-0208 EA 18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PSGE).....	3,558.26	144.95
28 21 00 00-0209 EA 35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PSGE).....	4,082.40	144.95
28 21 00 00-0210 Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems (28 21 00 00-0145)		
28 21 00 00-0211 Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems (28 21 00 00-0210)		
28 21 00 00-0212 EA 10X, In-Ceiling Mount, Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome System (Pelco SD4-B).....	1,393.49	144.95
28 21 00 00-0213 Spectra® IP Network, Pan/Tilt Camera Dome Systems (28 21 00 00-0144) Note: Includes simultaneous IP and analog video and control, dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.		
28 21 00 00-0214 Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 00 00-0213)		
28 21 00 00-0215 Color, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 00 00-0214)		
28 21 00 00-0216 EA 16X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F).....	2,527.93	144.95
28 21 00 00-0217 EA 16X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PB).....	2,660.76	144.95
28 21 00 00-0218 EA 16X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F-E).....	2,736.86	144.95
28 21 00 00-0219 EA 16X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PG-E).....	2,736.86	144.95
28 21 00 00-0220 EA 22X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F1).....	3,134.64	144.95
28 21 00 00-0221 EA 22X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PB-1).....	3,267.47	144.95
28 21 00 00-0222 EA 22X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F-E1).....	3,343.57	144.95
28 21 00 00-0223 EA 22X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PG-E1).....	3,343.57	144.95
28 21 00 00-0224 Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 00 00-0214)		
28 21 00 00-0225 EA 23X, In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F1).....	3,502.97	144.95
28 21 00 00-0226 EA 23X, Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PB-1).....	3,635.80	144.95
28 21 00 00-0227 EA 23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F-E1).....	3,711.91	144.95

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0228 EA 23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PG-E1).....	3,711.91	144.95
28 21 00 00-0229 Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 00 00-0213)		
28 21 00 00-0230 Color, Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 00 00-0229)		
28 21 00 00-0231 EA 16X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HF1)..... <i>For Protective Lower Dome Cage, Add</i>	2,915.65 34.65	144.95
28 21 00 00-0232 EA 16X, Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HP1)..... <i>For Protective Lower Dome Cage, Add</i>	3,043.45 34.65	144.95
28 21 00 00-0233 EA 16X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HPE1)..... <i>For Protective Lower Dome Cage, Add</i>	3,145.41 34.65	144.95
28 21 00 00-0234 EA 22X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HF1)..... <i>For Protective Lower Dome Cage, Add</i>	3,477.84 34.65	144.95
28 21 00 00-0235 EA 22X, Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HP1)..... <i>For Protective Lower Dome Cage, Add</i>	3,605.64 34.65	144.95
28 21 00 00-0236 EA 22X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HPE1)..... <i>For Protective Lower Dome Cage, Add</i>	3,708.32 34.65	144.95
28 21 00 00-0237 Day/Night, Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 00 00-0229)		
28 21 00 00-0238 EA 18X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HF1)..... <i>For Protective Lower Dome Cage, Add</i>	3,502.97 34.65	144.95
28 21 00 00-0239 EA 18X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HP1)..... <i>For Protective Lower Dome Cage, Add</i>	3,630.77 34.65	144.95
28 21 00 00-0240 EA 18X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HPE1)..... <i>For Protective Lower Dome Cage, Add</i>	3,733.45 34.65	144.95
28 21 00 00-0241 EA 35X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HF1)..... <i>For Protective Lower Dome Cage, Add</i>	4,027.83 34.65	144.95
28 21 00 00-0242 EA 35X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HP1)..... <i>For Protective Lower Dome Cage, Add</i>	4,154.91 34.65	144.95
28 21 00 00-0243 EA 35X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HPE1)..... <i>For Protective Lower Dome Cage, Add</i>	4,257.59 34.65	144.95
28 21 00 00-0244 Stainless Steel Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 00 00-0213)		
28 21 00 00-0245 Color, Stainless Steel Spectra® IV IP Network, Camera Dome Systems (28 21 00 00-0244)		
28 21 00 00-0246 EA 16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-PSGE1).....	3,506.56	144.95
28 21 00 00-0247 EA 22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-PSGE1).....	4,069.47	144.95
28 21 00 00-0248 Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome Systems (28 21 00 00-0244)		
28 21 00 00-0249 EA 23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1).....	4,437.81	144.95
28 21 00 00-0250 Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome Systems (28 21 00 00-0244)		
28 21 00 00-0251 EA 18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-PSGE1).....	4,094.60	144.95
28 21 00 00-0252 EA 35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1).....	4,618.74	144.95
28 21 00 00-0253 Miniature Spectra® IP Network, Mini Pan/Tilt Camera Dome Systems (28 21 00 00-0213)		
28 21 00 00-0254 Color, Miniature Spectra® IP Network, Mini Camera Dome Systems (28 21 00 00-0253)		
28 21 00 00-0255 EA 10X, In-Ceiling Mount, Color, Miniature Spectra® IP Network, Black Mini Camera Dome System (Pelco SD4N-W1).....	1,739.56	144.95
28 21 00 00-0256 Spectra®, Pan/Tilt Dome Drives (28 21 00 00-0144)		
Note: Includes dome drive, camera and lens.		
28 21 00 00-0257 EA 10X, Color Camera, Spectra® Mini Dome Drive (Pelco DD4).....	1,291.32	120.80



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0258 EA 10X, Color Camera, Spectra® IP Network, Mini Dome Drive (Pelco DD4N)	1,635.96	120.80
28 21 00 00-0259 EA 22X, Black And White Camera, Spectra® IV Dome Drive (Pelco DD4M22)	2,061.73	120.80
28 21 00 00-0260 EA 16X, Color Camera, Spectra® IV Dome Drive (Pelco DD4TC16)	1,626.62	120.80
28 21 00 00-0261 EA 22X, Color Camera, Spectra® IV Dome Drive (Pelco DD4C22)	2,188.82	120.80
28 21 00 00-0262 EA 18X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW18)	2,213.95	120.80
28 21 00 00-0263 EA 23X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW23)	2,557.15	120.80
28 21 00 00-0264 EA 35X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW35)	2,738.80	120.80
28 21 00 00-0265 EA 35X, Color/Black And White Camera, Spectra® IV Horizon Dome Drive (Pelco DD4H35)	2,738.80	120.80
28 21 00 00-0266 Accessories For Spectra® Pan/Tilt Camera Dome Systems (28 21 00 00-0144)		
28 21 00 00-0267 EA Upgrade To Chrome Lower Dome (Pelco Spectra)	101.24	
28 21 00 00-0268 EA Upgrade To Gold Lower Dome (Pelco Spectra)	132.11	
28 21 00 00-0269 EA Wall Mount For Spectra® Systems (Pelco IWM-BK)	113.19	12.08
28 21 00 00-0270 EA 24 Volt Out, Wall Mount For Spectra® Systems (Pelco IWM24-BK)	280.49	12.08
28 21 00 00-0271 EA Wall Arm Mount For Spectra® Systems (Pelco IDM4018)	110.32	12.08
28 21 00 00-0272 EA Wall Arm Mount With Feed Through For Stainless Steel Spectra® IV Systems (Pelco IDM4012SS)	262.46	12.08
28 21 00 00-0273 EA Pole Mount Adapter For Spectra® Systems (Pelco PA402)	60.04	7.19
28 21 00 00-0274 Camclosure®, Camera Dome Systems (28 21 00 00-0143)		
28 21 00 00-0275 Camclosure® IS Integrated, Camera Dome Systems (28 21 00 00-0274)		
28 21 00 00-0276 Camclosure® IS Integrated, Camera Dome Systems (28 21 00 00-0275)		
28 21 00 00-0277 High Resolution Color, Camclosure® IS Integrated, Camera Dome Systems (28 21 00 00-0276)		
28 21 00 00-0278 EA 12 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CH12)	544.81	144.95
28 21 00 00-0279 EA 9-22 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CHV22)	587.89	144.95
28 21 00 00-0280 EA 12 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS110-CH12)	648.92	144.95
28 21 00 00-0281 EA 12 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS150-CH12)	648.92	144.95
28 21 00 00-0282 Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome Systems (28 21 00 00-0276)		
28 21 00 00-0283 EA 9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90B-CWV22)	656.82	144.95
28 21 00 00-0284 EA 9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-CWV22)	712.82	144.95
28 21 00 00-0285 EA 9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-CWV22)	712.82	144.95
28 21 00 00-0286 Day/Night, Camclosure® IS Integrated, Camera Dome Systems (28 21 00 00-0276)		
28 21 00 00-0287 EA 9-22 mm, Indoor Surface/In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, White Camera Dome System (Pelco IS90-DNV22)	747.29	144.95
28 21 00 00-0288 EA 9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-DNV22)	885.86	144.95
28 21 00 00-0289 EA 9-22 mm, Environmental In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DNV22)	885.86	144.95
28 21 00 00-0290 Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome Systems (28 21 00 00-0276)		
28 21 00 00-0291 EA 9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-DWV22)	813.34	144.95
28 21 00 00-0292 EA 9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DWV22)	902.37	144.95
28 21 00 00-0293 Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 00 00-0275)		
28 21 00 00-0294 High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 00 00-0293)		
28 21 00 00-0295 EA 3.6 mm, Wall/Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CH3.6)	583.87	96.64
28 21 00 00-0296 Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 00 00-0293)		
28 21 00 00-0297 EA 9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CWV22)	665.01	96.64
28 21 00 00-0298 Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 00 00-0293)		

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0299 EA 9-22 mm, Wall/Ceiling Mount, Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DNV22).....	729.63	96.64
28 21 00 00-0300 Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 00 00-0293)		
28 21 00 00-0301 EA 9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DWV22).....	761.94	96.64
28 21 00 00-0302 Camclosure® IS Integrated Cameras (28 21 00 00-0275)		
28 21 00 00-0303 EA 12 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CH12)	418.73	96.64
28 21 00 00-0304 EA 9-22 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CHV22).....	418.73	96.64
28 21 00 00-0305 EA 9-22 mm, Wide Dynamic Range Color, Camclosure® IS Integrated Camera (Pelco IS-CWV22).....	482.63	96.64
28 21 00 00-0306 EA 9-22 mm, Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DNV22).....	655.67	96.64
28 21 00 00-0307 EA 9-22 mm, Wide Dynamic Range Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DWV22)	672.19	96.64
28 21 00 00-0308 Camclosure® ICS Integrated, Camera Dome Systems (28 21 00 00-0274)		
28 21 00 00-0309 Camclosure® ICS Integrated, Camera Dome Systems (28 21 00 00-0308)		
28 21 00 00-0310 Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems (28 21 00 00-0309)		
28 21 00 00-0311 EA 12 mm, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12)	473.73	144.95
28 21 00 00-0312 EA 12 mm, UTP, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12T)	504.60	144.95
28 21 00 00-0313 EA 12 mm, Environmental Surface Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS110-CA12)	628.10	144.95
28 21 00 00-0314 EA 12 mm, Environmental In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS150-CA12)	628.10	144.95
28 21 00 00-0315 High Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems (28 21 00 00-0309)		
28 21 00 00-0316 EA 3-9 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS151-CDV39A)	766.67	144.95
28 21 00 00-0317 Camclosure® ICS Integrated, Bullet Style Camera Systems (28 21 00 00-0308)		
28 21 00 00-0318 Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera Systems (28 21 00 00-0317)		
28 21 00 00-0319 EA 12 mm, Wall/Ceiling Mount, Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera System (Pelco ICS310-CA12).....	531.46	96.64
28 21 00 00-0320 Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 00 00-0308)		
28 21 00 00-0321 High Resolution Color, Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 00 00-0320)		
28 21 00 00-0322 EA 9-22 mm, High Resolution, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CHV22)	712.82	144.95
28 21 00 00-0323 Wide Dynamic Range Color, Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 00 00-0320)		
28 21 00 00-0324 EA 9-22 mm, Wide Dynamic Range, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CWV22).....	777.44	144.95
28 21 00 00-0325 Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 00 00-0320)		
28 21 00 00-0326 EA 9-22 mm, Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DNV22)	858.58	144.95
28 21 00 00-0327 Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 00 00-0320)		
28 21 00 00-0328 EA 9-22 mm, Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DWV22).....	890.89	144.95
28 21 00 00-0329 Camclosure® IP Network, Camera Dome Systems (28 21 00 00-0274)		
28 21 00 00-0330 Camclosure® IP Network, Camera Dome Systems (28 21 00 00-0329)		
28 21 00 00-0331 High Resolution Color, Camclosure® IP Network, Camera Dome Systems (28 21 00 00-0330)		
28 21 00 00-0332 EA 3-9.5 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV9)	1,247.01	144.95



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0333 EA 9-22 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV22)	1,247.01	144.95
28 21 00 00-0334 Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome Systems <small>(28 21 00 00-0330)</small>		
28 21 00 00-0335 EA 3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV9)	1,336.05	144.95
28 21 00 00-0336 EA 9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV22)	1,336.05	144.95
28 21 00 00-0337 Day/Night, Camclosure® IP Network, Camera Dome Systems <small>(28 21 00 00-0330)</small>		
28 21 00 00-0338 EA 3-9.5 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV9)	1,473.18	144.95
28 21 00 00-0339 EA 9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV22)	1,473.18	144.95
28 21 00 00-0340 Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome Systems <small>(28 21 00 00-0330)</small>		
28 21 00 00-0341 EA 3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV9)	1,570.11	144.95
28 21 00 00-0342 EA 9-22 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV22)	1,570.11	144.95
28 21 00 00-0343 Accessories For Camclosure® Camera Dome Systems <small>(28 21 00 00-0274)</small>		
28 21 00 00-0344 EA 4S Gangbox Adapter Plate For ICS110 Camclosure® Systems (Pelco ICS110-AP)	27.42	7.24
28 21 00 00-0345 EA 4S Adapter Plate For ICS310 Camclosure® Systems (Pelco ICS310-AP)	27.42	7.24
28 21 00 00-0346 EA Sun Shield For ICS310 Camclosure® Systems (Pelco ICS310-SS)	37.08	12.08
28 21 00 00-0347 EA Conduit Adapter For ICS310 Camclosure® Systems (Pelco ICS310-COND)	57.19	12.08
28 21 00 00-0348 EA 2' x 2' Ceiling Panel For ICS150 Camclosure® Systems (Pelco ICS150-P)	57.58	7.24
28 21 00 00-0349 EA Pendant Mount Adapter For Camclosure® ICS110 Systems (Pelco ICS110-PG)	57.19	12.08
28 21 00 00-0350 EA Corner Mount Adapter For ICS200 Camclosure® Systems (Pelco ICS210-CM)	71.55	12.08
28 21 00 00-0351 EA Smoked, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO110A)	189.05	24.16
28 21 00 00-0352 EA Clear, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO111A)	189.05	24.16
28 21 00 00-0353 EA Smoked, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO150A)	189.05	24.16
28 21 00 00-0354 EA Clear, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO151A)	189.05	24.16
28 21 00 00-0355 EA Pendant Mount Adapter For Camclosure® IP Systems (Pelco IP110-P)	67.96	12.08
28 21 00 00-0356 EA Smoked Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP110-LD)	80.63	24.16
28 21 00 00-0357 EA Clear Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP111-LD)	80.63	24.16
28 21 00 00-0358 EA Smoked Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS110-LD)	80.63	24.16
28 21 00 00-0359 EA Clear Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS111-LD)	80.63	24.16
28 21 00 00-0360 EA Smoked Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS150-LD)	80.63	24.16
28 21 00 00-0361 EA Clear Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS151-LD)	80.63	24.16
28 21 00 00-0362 EA Ceiling Mount Enclosure Only, Environmental, Camclosure® IS Systems (Pelco IS150-ENC)	233.23	33.00
28 21 00 00-0363 EA Black Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90B-P)	49.29	12.08
28 21 00 00-0364 EA Black Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90B-PW)	81.60	12.08
28 21 00 00-0365 EA White Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90-P)	49.29	12.08
28 21 00 00-0366 EA White Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90-PW)	81.60	12.08
28 21 00 00-0367 EA Surface Mount Enclosure Only, Environmental, IP Camclosure® (Pelco IP110-ENC)	1,165.88	144.95
28 21 00 00-0368 Pan/Tilt Camera Systems <small>(28 21 00 00-0142)</small>		
28 21 00 00-0369 Esprit® CBZ, Pan/Tilt Camera Systems <small>(28 21 00 00-0368)</small>		
Note: Includes powder coated aluminum pan/tilt enclosure, receiver, camera, lens, built in heater, window defroster/defogger, sun shroud, insulation blanket, 24V power supply and mounting hardware.		
28 21 00 00-0370 EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems <small>(28 21 00 00-0369)</small>		
28 21 00 00-0371 Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems <small>(28 21 00 00-0370)</small>		
28 21 00 00-0372 EA 10X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10N)	3,244.40	217.44
28 21 00 00-0373 EA 20X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20N)	3,675.92	217.44
28 21 00 00-0374 EA 30X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30N)	4,274.02	217.44
28 21 00 00-0375 EA 10X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PN)	3,337.03	217.44
28 21 00 00-0376 EA 20X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PN)	3,787.93	217.44
28 21 00 00-0377 EA 30X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PN)	4,386.02	217.44
28 21 00 00-0378 Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems <small>(28 21 00 00-0370)</small>		
28 21 00 00-0379 EA 10X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10W)	3,273.84	217.44

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0380 EA 20X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20W).....	3,705.36	217.44
28 21 00 00-0381 EA 30X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30W).....	4,303.45	217.44
28 21 00 00-0382 EA 10X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PW).....	3,367.18	217.44
28 21 00 00-0383 EA 20X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PW).....	3,817.37	217.44
28 21 00 00-0384 EA 30X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PW).....	4,415.46	217.44
28 21 00 00-0385 Esprit® CLZ, Pan/Tilt Camera Systems (28 21 00 00-0385)		
28 21 00 00-0386 DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems (28 21 00 00-0386)		
28 21 00 00-0387 Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems (28 21 00 00-0387)		
28 21 00 00-0388 EA 10X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10N).....	3,356.41	217.44
28 21 00 00-0389 EA 20X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20N).....	3,787.93	217.44
28 21 00 00-0390 EA 30X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30N).....	4,386.02	217.44
28 21 00 00-0391 EA 10X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PN).....	3,449.03	217.44
28 21 00 00-0392 EA 20X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PN).....	3,899.94	217.44
28 21 00 00-0393 EA 30X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PN).....	4,498.03	217.44
28 21 00 00-0394 Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems (28 21 00 00-0394)		
28 21 00 00-0395 EA 10X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10W).....	3,385.85	217.44
28 21 00 00-0396 EA 20X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20W).....	3,817.37	217.44
28 21 00 00-0397 EA 30X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30W).....	4,415.46	217.44
28 21 00 00-0398 EA 10X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PW).....	3,479.19	217.44
28 21 00 00-0399 EA 20X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PW).....	3,929.38	217.44
28 21 00 00-0400 EA 30X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PW).....	4,527.47	217.44
28 21 00 00-0401 Esprit® AJZ, Pan/Tilt Camera Systems (28 21 00 00-0401)		
28 21 00 00-0402 High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems (28 21 00 00-0402)		
28 21 00 00-0403 Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems (28 21 00 00-0403)		
28 21 00 00-0404 EA 6 x 10, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10N).....	3,169.01	217.44
28 21 00 00-0405 EA 5.6 x 20, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20N).....	3,600.53	217.44
28 21 00 00-0406 EA 5.5 x 30, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30N).....	4,198.63	217.44
28 21 00 00-0407 EA 6 x 10, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10PN).....	3,262.35	217.44
28 21 00 00-0408 EA 5.6 x 20, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PN).....	3,712.54	217.44
28 21 00 00-0409 EA 5.5 x 30, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PN).....	4,310.63	217.44
28 21 00 00-0410 Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems (28 21 00 00-0410)		
28 21 00 00-0411 EA 6 x 10, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W).....	3,199.17	217.44
28 21 00 00-0412 EA 5.6 x 20, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20W).....	3,629.97	217.44
28 21 00 00-0413 EA 5.5 x 30, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30W).....	4,228.78	217.44
28 21 00 00-0414 EA 6 x 8, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ8PW).....	3,219.99	217.44
28 21 00 00-0415 EA 6 x 10, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W).....	3,291.79	217.44
28 21 00 00-0416 EA 5.6 x 20, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PW).....	3,741.98	217.44
28 21 00 00-0417 EA 5.5 x 30, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PW).....	4,340.79	217.44
28 21 00 00-0418 Esprit® AMZ, Pan/Tilt Camera Systems (28 21 00 00-0418)		
28 21 00 00-0419 Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems (28 21 00 00-0419)		
28 21 00 00-0420 Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems (28 21 00 00-0420)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0421 EA 5.6 x 20, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20N)	3,779.31	217.44
28 21 00 00-0422 EA 5.5 x 30, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30N)	4,377.41	217.44
28 21 00 00-0423 EA 6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PN)	3,441.14	217.44
28 21 00 00-0424 EA 5.6 x 20, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PN)	3,891.32	217.44
28 21 00 00-0425 EA 5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PN)	4,489.42	217.44
28 21 00 00-0426 Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems (28 21 00 00-0419)		
28 21 00 00-0427 EA 6 x 10, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10W)	3,377.95	217.44
28 21 00 00-0428 EA 5.6 x 20, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20W)	3,808.75	217.44
28 21 00 00-0429 EA 5.5 x 30, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30W)	4,407.56	217.44
28 21 00 00-0430 EA 6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PW)	3,470.57	217.44
28 21 00 00-0431 EA 5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PW)	3,920.76	217.44
28 21 00 00-0432 EA 5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PW)	4,519.57	217.44
28 21 00 00-0433 Esprit® KWZ, Pan/Tilt Camera Systems (28 21 00 00-0368)		
28 21 00 00-0434 Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems (28 21 00 00-0433)		
28 21 00 00-0435 Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems (28 21 00 00-0434)		
28 21 00 00-0436 EA 5.5 x 30, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30N)	4,472.90	217.44
28 21 00 00-0437 EA 6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PN)	3,535.91	217.44
28 21 00 00-0438 EA 5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PN)	4,584.91	217.44
28 21 00 00-0439 Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems (28 21 00 00-0434)		
28 21 00 00-0440 EA 6 x 10, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10W)	3,472.73	217.44
28 21 00 00-0441 EA 5.5 x 30, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30W)	4,503.06	217.44
28 21 00 00-0442 EA 6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PW)	3,566.07	217.44
28 21 00 00-0443 EA 5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ20PW)	4,016.25	217.44
28 21 00 00-0444 EA 5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PW)	4,615.07	217.44
28 21 00 00-0445 Esprit® IOC, Pan/Tilt Camera Systems (28 21 00 00-0368)		
28 21 00 00-0446 Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 00 00-0445)		
28 21 00 00-0447 Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 00 00-0446)		
28 21 00 00-0448 EA 16X, Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2N)	3,773.57	217.44
28 21 00 00-0449 Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 00 00-0446)		
28 21 00 00-0450 EA 16X, Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2W)	3,803.01	217.44
28 21 00 00-0451 High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 00 00-0445)		
28 21 00 00-0452 Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 00 00-0451)		
28 21 00 00-0453 EA 22X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2N)	4,472.90	217.44
28 21 00 00-0454 EA 24X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2N)	4,326.43	217.44
28 21 00 00-0455 EA 35X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2N)	4,911.60	217.44
28 21 00 00-0456 Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 00 00-0451)		
28 21 00 00-0457 EA 22X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2W)	4,501.62	217.44
28 21 00 00-0458 EA 24X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2W)	4,326.43	217.44
28 21 00 00-0459 EA 35X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2W)	4,943.91	217.44
28 21 00 00-0460 Esprit® IOP, Pan/Tilt Camera Systems (28 21 00 00-0368)		
28 21 00 00-0461 High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems (28 21 00 00-0460)		
28 21 00 00-0462 Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems (28 21 00 00-0461)		

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0463 EA 16X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2N).....	2,912.69	217.44
28 21 00 00-0464 EA 22X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2N).....	3,612.74	217.44
28 21 00 00-0465 EA 24X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2N).....	3,468.42	217.44
28 21 00 00-0466 EA 35X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2N).....	3,924.35	217.44
28 21 00 00-0467 Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems		
(28 21 00 00-0461)		
28 21 00 00-0468 EA 16X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2W).....	2,941.41	217.44
28 21 00 00-0469 EA 22X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2W).....	3,642.18	217.44
28 21 00 00-0470 EA 24X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2W).....	3,497.86	217.44
28 21 00 00-0471 EA 35X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2W).....	3,956.66	217.44
28 21 00 00-0472 Esprit® Thermal, Pan/Tilt Camera Systems (28 21 00 00-0368)		
28 21 00 00-0473 Esprit® Thermal, Pan/Tilt Camera Systems (28 21 00 00-0472)		
28 21 00 00-0474 Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera Systems (28 21 00 00-0473)		
28 21 00 00-0475 EA 14.25 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2N).....	18,461.70	217.44
28 21 00 00-0476 EA 35 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2N).....	19,849.59	217.44
28 21 00 00-0477 EA 50 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2N).....	20,315.57	217.44
28 21 00 00-0478 Wall Mount, Esprit® Thermal, Pan/Tilt Camera Systems (28 21 00 00-0473)		
28 21 00 00-0479 EA 14.25 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2W).....	18,491.85	217.44
28 21 00 00-0480 EA 35 mm, 30 Hertz, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2W).....	19,879.03	217.44
28 21 00 00-0481 EA 50 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2W).....	20,345.01	217.44
28 21 00 00-0482 Accessories For Esprit® Pan/Tilt Camera Systems (28 21 00 00-0368)		
28 21 00 00-0483 EA Wiper Blade Replacement For Esprit® Systems (Pelco ES-REPLBLADE).....	8.65	2.42
28 21 00 00-0484 EA Marine Mounting Kit For Esprit® Systems (Pelco ES-MKIT).....	49.29	12.08
28 21 00 00-0485 EA Indoor/Outdoor Wall Mount For Esprit® Systems (Pelco EWM).....	75.14	12.08
28 21 00 00-0486 EA Wall Mount For High Security Enclosures (Pelco HSWM12).....	94.52	12.08
28 21 00 00-0487 EA Ground Isolation Transformer (Pelco GIT100).....	283.49	33.00
28 21 00 00-0488 EA High Security, Indoor Wedge Style Enclosure (Pelco HS2100).....	493.80	33.00
28 21 00 00-0489 EA High Security, Indoor 10" Length Enclosure (Pelco HS300).....	335.90	33.00
28 21 00 00-0490 EA High Security, Indoor Medium Corner Mount Enclosure (Pelco HS1500).....	576.63	33.00
28 21 00 00-0491 EA High Security, Ceiling Mount, Lexan Window, Aluminum Enclosure (Pelco HS8080).....	264.10	33.00
28 21 00 00-0492 EA High Security, Ceiling Mount, Lexan Window, Steel Enclosure (Pelco HS8134).....	835.27	33.00
28 21 00 00-0493 EA Bullet-Resistant, Outdoor Enclosure (Pelco HS4514).....	1,011.54	33.00
28 21 00 00-0494 EA Bullet-Resistant, Outdoor Enclosure With Mount (Pelco HS4514/MT).....	1,198.94	33.00
28 21 00 00-0495 EA 24X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW24).....	1,241.30	33.00
28 21 00 00-0496 EA 35X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW35).....	1,308.07	33.00
28 21 00 00-0497 EA 24 Volt AC, Esprit® Pan Tilt Enclosure Receiver (Pelco ES3012-2).....	2,166.27	33.00
28 21 00 00-0498 EA 24 Volt AC, Pedestal Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2N).....	2,192.22	33.00
28 21 00 00-0499 EA 24 Volt AC, Wall Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2W).....	2,217.13	33.00
28 21 00 00-0500 EA 30X, 24 Volt AC, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30).....	4,061.60	33.00
28 21 00 00-0501 EA 30X, 24 Volt AC, Preset Positioning, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30P).....	4,173.61	33.00
28 21 00 00-0502 EA Esprit® Camera Pole Mount Adapter (Pelco EPM).....	95.74	7.78
28 21 00 00-0503 EA Pole Mount Adapter For Esprit® Systems (Pelco EPM).....	95.74	7.78
28 21 00 00-0504 Camera Lenses (28 21 00 00-0002)		
28 21 00 00-0505 Fixed Focus Camera Lenses (28 21 00 00-0504)		
Note: 1/3" format and manual focus.		
28 21 00 00-0506 Manual Iris, Fixed Focus Camera Lenses (28 21 00 00-0505)		
28 21 00 00-0507 EA 2.3 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.3).....	122.89	11.34
28 21 00 00-0508 EA 2.8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.8).....	102.79	11.34
28 21 00 00-0509 EA 4 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA4).....	92.74	11.34
28 21 00 00-0510 EA 8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA8).....	90.58	11.34
28 21 00 00-0511 Direct Drive Auto Iris, Fixed Focus Camera Lenses (28 21 00 00-0505)		
Note: Includes spot filter. Excludes amplifier.		
28 21 00 00-0512 EA 2.3 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.3).....	152.33	11.34
28 21 00 00-0513 EA 2.8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.8).....	122.89	11.34
28 21 00 00-0514 EA 4 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD4).....	115.71	11.34
28 21 00 00-0515 EA 8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD8).....	84.12	11.34
28 21 00 00-0516 Video Drive Auto Iris, Fixed Focus Camera Lenses (28 21 00 00-0505)		
Note: Includes LDC100 adapter to convert DC auto iris to video drive.		
28 21 00 00-0517 EA 2.3 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.3S).....	178.90	11.34
28 21 00 00-0518 EA 2.8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.8S).....	148.74	11.34
28 21 00 00-0519 EA 4 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV4S).....	141.56	11.34
28 21 00 00-0520 EA 8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV8S).....	135.82	11.34



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0521				Varifocal Camera Lenses (28 21 00 00-0504) Note: 1/3" format and manual focus and zoom.		
28 21 00 00-0522				Manual Iris, Varifocal Camera Lenses (28 21 00 00-0521)		
28 21 00 00-0523	EA			1.6-3.4 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA1-3).....	208.09	11.34
28 21 00 00-0524	EA			2.5-6 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.5-6).....	143.00	11.34
28 21 00 00-0525	EA			2.8-12 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.8-12).....	112.12	11.34
28 21 00 00-0526	EA			3-8 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA3-8).....	99.20	11.34
28 21 00 00-0527	EA			5.5-82.5 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5.5-82.5).....	250.70	11.34
28 21 00 00-0528	EA			5-40 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-40).....	160.14	11.34
28 21 00 00-0529	EA			5-50 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-50).....	171.04	11.34
28 21 00 00-0530				Direct Drive Auto Iris, Varifocal Camera Lenses (28 21 00 00-0521) Note: Includes spot filter.		
28 21 00 00-0531	EA			1.6-3.4 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD1-3).....	204.46	11.34
28 21 00 00-0532	EA			2.5-6 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.5-6).....	179.76	11.34
28 21 00 00-0533	EA			2.8-12 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.8-12).....	136.17	11.34
28 21 00 00-0534	EA			3-8 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD3-8).....	99.84	11.34
28 21 00 00-0535	EA			5.5-82.5 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5.5-82.5).....	272.96	11.34
28 21 00 00-0536	EA			5-50 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5-50).....	202.28	11.34
28 21 00 00-0537				Video Drive Auto Iris, Varifocal Camera Lenses (28 21 00 00-0521) Note: Includes spot filter.		
28 21 00 00-0538	EA			1.6-3.4 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV1-3S).....	239.93	11.34
28 21 00 00-0539	EA			2.5-6 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV2.5-6S).....	213.36	11.34
28 21 00 00-0540	EA			3-8 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV3-8S).....	130.07	11.34
28 21 00 00-0541	EA			5-50 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV5-50S).....	237.06	11.34
28 21 00 00-0542				Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lenses (28 21 00 00-0521) Note: Includes spot filter.		
28 21 00 00-0543	EA			3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR3-8.5).....	116.55	11.34
28 21 00 00-0544	EA			7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR7.5-50).....	178.31	11.34
28 21 00 00-0545				Motorized Zoom Camera Lenses (28 21 00 00-0504) Note: 1/3" format.		
28 21 00 00-0546				Manual Iris, Motorized Zoom Camera Lenses (28 21 00 00-0545)		
28 21 00 00-0547	EA			8X Zoom, 6-48 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X8).....	431.63	11.34
28 21 00 00-0548	EA			10X Zoom, 6-60 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X10).....	537.90	11.34
28 21 00 00-0549	EA			15X Zoom, 6-90 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X15).....	573.08	11.34
28 21 00 00-0550				Direct Drive Auto Iris, Motorized Zoom Camera Lenses (28 21 00 00-0545) Note: Includes spot filter.		
28 21 00 00-0551	EA			6X Zoom, 6-48 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X8).....	484.17	11.34
28 21 00 00-0552	EA			10X Zoom, 6-60 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X10).....	560.46	11.34
28 21 00 00-0553	EA			15X Zoom, 6-90 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X15).....	632.67	11.34
28 21 00 00-0554	EA			20X Zoom, 5.6-112 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.6X20).....	965.86	11.34
28 21 00 00-0555	EA			30X Zoom, 5.5-165 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.5X30).....	1,922.70	11.34
28 21 00 00-0556				Video Drive Auto Iris, Motorized Zoom Camera Lenses (28 21 00 00-0545) Note: Includes spot filter.		
28 21 00 00-0557	EA			8X Zoom, 6-48 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X8S).....	442.40	11.34
28 21 00 00-0558	EA			10X Zoom, 6-60 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X10S).....	525.69	11.34
28 21 00 00-0559	EA			15X Zoom, 6-90 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X15S).....	659.24	11.34
28 21 00 00-0560	EA			20X Zoom, 5.6-112 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.6X20S).....	957.21	11.34
28 21 00 00-0561	EA			30X Zoom, 5.5-165 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.5X30S).....	1,555.30	11.34
28 21 00 00-0562				Camera Power Supplies (28 21 00 00-0002)		
28 21 00 00-0563	EA			20 VA, 24 Volt AC, Camera Power Transformer (Pelco TF2000).....	32.24	9.66
28 21 00 00-0564	EA			50 VA, 24 Volt AC, Camera Power Transformer (Pelco TF9000).....	53.78	9.66
28 21 00 00-0565	EA			2 Amp, 4 Outputs, Camera Power Supply (Pelco MCS4-2).....	274.78	19.32
28 21 00 00-0566	EA			5 Amp, 8 Outputs, Camera Power Supply (Pelco MCS8-5).....	315.90	28.99
28 21 00 00-0567	EA			10 Amp, 16 Outputs, Camera Power Supply (Pelco MCS16-10).....	354.84	38.66
				<i>For Switchable Outputs, Add</i>	166.52	
28 21 00 00-0568	EA			20 Amp, 16 Outputs, Camera Power Supply (Pelco MCS16-20).....	395.97	48.32
				<i>For Switchable Outputs, Add</i>	179.60	
28 21 00 00-0569				Camera Illuminators (28 21 00 00-0002)		
28 21 00 00-0570				Camera Illuminators (28 21 00 00-0569) Note: Includes lamp and mounting bracket.		
28 21 00 00-0571	EA			Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27MF).....	1,138.64	19.32

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0572 EA Infrared Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27NS).....	1,138.64	19.32
28 21 00 00-0573 EA Flood Lamp, Low Light Level Camera Illuminator (Pelco LL27WF)	1,138.64	19.32
28 21 00 00-0574 Camera Illuminator Accessories (28 21 00 00-0569)		
28 21 00 00-0575 EA Replacement Lamp For Low Light Level Camera Illuminator (Pelco PAR56).....	99.69	19.32
28 21 00 00-0576 Camera Receivers (28 21 00 00-0002)		
28 21 00 00-0577 EA 24 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9024RX-PP).....	1,117.80	33.00
28 21 00 00-0578 EA 120 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9115RX-PP).....	1,117.80	33.00
28 21 00 00-0579 Pan And Tilt Drives (28 21 00 00-0002)		
28 21 00 00-0580 EA 15 LB Load, 24 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT270-24P)	800.48	72.48
28 21 00 00-0581 EA 40 LB Load, 24/120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT570-24P)	1,010.14	72.48
For Preset Positioning, Add	165.00	
28 21 00 00-0582 EA 100 LB Load, 120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT1250P).....	2,110.12	72.48
For Preset Positioning, Add	165.00	
28 21 00 00-0583 EA 100 LB Load, 120 Volt DC, Outdoor Pan And Tilt Drive (Pelco PT1250DC).....	2,408.09	72.48
For Preset Positioning, Add	165.00	
28 21 00 00-0584 EA 100 LB Load, 120 Volt DC, 360 Degree Outdoor Pan And Tilt Drive (Pelco PT1280SL).....	2,782.88	72.48
For Preset Positioning, Add	165.00	
28 21 00 00-0585 EA 100 LB Load, 120 Volt DC, Explosion Proof Outdoor Pan And Tilt Drive (Pelco PT1260EX).....	3,579.86	72.48
For Preset Positioning, Add	165.00	
28 21 00 00-0586 Scanners (28 21 00 00-0002)		
28 21 00 00-0587 EA 35 LB Load, 24 Volt AC, Indoor/Outdoor Scanner (Pelco PS20-24).....	910.34	72.48
For Wall Mount, Add	39.05	
For Pressure Sensor Alarm, Add	51.15	
28 21 00 00-0588 EA 35 LB Load, 120 Volt AC, Indoor/Outdoor Scanner (Pelco PS20).....	955.57	72.48
For Wall Mount, Add	39.05	
For Pressure Sensor Alarm, Add	51.15	
28 21 00 00-0589 Camera Monitors (28 21 00 00-0001)		
28 21 00 00-0590 Camera Monitors (28 21 00 00-0589)		
28 21 00 00-0591 Monochrome Camera Monitors (28 21 00 00-0590)		
28 21 00 00-0592 EA 9" Monochrome Camera Monitor (Pelco PMM9A).....	177.62	14.50
28 21 00 00-0593 EA 12" Monochrome Camera Monitor (Pelco PMM12A)	202.75	14.50
28 21 00 00-0594 EA 15" Monochrome Camera Monitor (Pelco PMM15A)	309.01	14.50
28 21 00 00-0595 EA 20" Monochrome Camera Monitor (Pelco PMM20A)	494.97	14.50
28 21 00 00-0596 Color Camera Monitors (28 21 00 00-0590)		
28 21 00 00-0597 EA 9", High Resolution Color, Camera Monitor (Pelco PMC9A).....	558.16	14.50
28 21 00 00-0598 EA 15", High Resolution Color, Camera Monitor (Pelco PMCS15A)	453.33	14.50
28 21 00 00-0599 EA 17", High Resolution Color, Camera Monitor (Pelco PMCS17A)	657.24	14.50
28 21 00 00-0600 EA 19", High Resolution Color, Camera Monitor (Pelco PMCS19A)	872.64	14.50
28 21 00 00-0601 LCD Camera Monitors (28 21 00 00-0589)		
28 21 00 00-0602 VGA Signal, Color LCD Camera Monitors (Pelco 200 Series) (28 21 00 00-0601)		
Note: Displays VGA computer signals.		
28 21 00 00-0603 EA 17", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL217)	630.67	14.50
28 21 00 00-0604 EA 19", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL219)	820.23	14.50
28 21 00 00-0605 Multimode, Color LCD Camera Monitors (Pelco 300 Series) (28 21 00 00-0601)		
Note: Displays VGA computer signals and/or composite video signals.		
28 21 00 00-0606 EA 15", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL315)	716.83	14.50
28 21 00 00-0607 EA 17", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL317)	857.56	14.50
28 21 00 00-0608 EA 19", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL319)	1,054.29	14.50
28 21 00 00-0609 Multimode With PIP, Color LCD Camera Monitors (Pelco 400 Series) (28 21 00 00-0601)		
Note: Displays VGA computer signals and/or composite video signals. Includes picture in picture option.		
28 21 00 00-0610 EA 15", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL415).....	919.31	14.50
28 21 00 00-0611 EA 17", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL417).....	1,065.78	14.50
28 21 00 00-0612 EA 19", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL419).....	1,336.47	14.50
28 21 00 00-0613 Camera Monitor Mounting Accessories (28 21 00 00-0589)		
28 21 00 00-0614 Camera Monitor Mounts (28 21 00 00-0613)		
28 21 00 00-0615 EA Up To 14", Camera Monitor Mount (Pelco).....	218.16	19.32
28 21 00 00-0616 EA >14" To 17", Camera Monitor Mount (Pelco)	253.34	19.32



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0617 EA >17" To 21", Camera Monitor Mount (Pelco).....	296.42	19.32
28 21 00 00-0618 Camera Monitor Rack Mount Kits (28 21 00 00-0613)		
28 21 00 00-0619 EA Camera Monitor Rack Mount Kit (Pelco PMCL-RM).....	134.15	19.32
28 21 00 00-0620 Video Transmission Equipment (28 21 00 00-0001)		
28 21 00 00-0621 UTP Cable, Video Transmission Equipment (28 21 00 00-0620)		
28 21 00 00-0622 UTP Cable, Active Video Receivers (28 21 00 00-0621)		
28 21 00 00-0623 EA Single Channel, UTP Cable, Active Video Receiver (Pelco TW3001AR)	274.49	24.16
28 21 00 00-0624 EA Four Channel, UTP Cable, Active Video Receiver (Pelco TW3004AR).....	930.02	24.16
28 21 00 00-0625 EA Eight Channel, 4 Outputs, UTP Cable, Active Video Receiver (Pelco TW3008AR-4-US)	1,823.93	24.16
28 21 00 00-0626 EA Sixteen Channel, UTP Cable, Active Video Receiver (Pelco TW3016AR1-US)	2,992.12	24.16
28 21 00 00-0627 EA Sixteen Channel, 2 Outputs, UTP Cable, Active Video Receiver (Pelco TW3016AR-2-US)	3,492.57	24.16
28 21 00 00-0628 UTP Cable, Passive Video Transceivers (28 21 00 00-0621)		
28 21 00 00-0629 EA Single Channel, UTP Cable, Passive Video Transceiver (Pelco TW3001P)	84.94	24.16
28 21 00 00-0630 EA Four Channel, UTP Cable, Passive Video Transceiver (Pelco TW3004P).....	274.49	24.16
28 21 00 00-0631 EA Eight Channel, UTP Cable, Passive Video Transceiver (Pelco TW3008P).....	501.38	24.16
28 21 00 00-0632 EA Sixteen Channel, UTP Cable, Passive Video Transceiver (Pelco TW3016P).....	947.97	24.16
28 21 00 00-0633 EA Thirty Two Channel, UTP Cable, Passive Video Transceiver (Pelco TW3032P).....	1,848.35	24.16
28 21 00 00-0634 UTP Cable, Active Video Transmitters (28 21 00 00-0621)		
28 21 00 00-0635 EA Single Channel, UTP Cable, Active Video Transmitter (Pelco TW3001AT).....	286.70	24.16
28 21 00 00-0636 Fiber Optics, Video Transmission Equipment (28 21 00 00-0620)		
28 21 00 00-0637 Data Only, Fiber Optics Transmission Equipment (28 21 00 00-0636)		
28 21 00 00-0638 Bidirectional Data, Fiber Optics Transmitters (28 21 00 00-0637)		
28 21 00 00-0639 EA Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AS).....	1,638.90	48.32
28 21 00 00-0640 EA Single-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AM)	678.22	48.32
28 21 00 00-0641 EA Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104S).....	1,201.64	48.32
28 21 00 00-0642 EA Four-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104M)	833.31	48.32
28 21 00 00-0643 Bidirectional Data, Fiber Optics Receivers (28 21 00 00-0637)		
28 21 00 00-0644 EA Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AS)	1,638.90	48.32
28 21 00 00-0645 EA Single-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AM).....	678.22	48.32
28 21 00 00-0646 EA Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104S)	1,201.64	48.32
28 21 00 00-0647 EA Four-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104M)	833.31	48.32
28 21 00 00-0648 Video Only, Fiber Optics Transmission Equipment (28 21 00 00-0636)		
28 21 00 00-0649 Digitally Encoded Video, Fiber Optics Transmitters (28 21 00 00-0648)		
28 21 00 00-0650 EA Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AS).....	735.66	48.32
28 21 00 00-0651 EA Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AM).....	329.27	48.32
28 21 00 00-0652 EA Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304S).....	2,012.98	48.32
28 21 00 00-0653 EA Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304M).....	1,216.00	48.32
28 21 00 00-0654 EA Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308S)	3,288.15	48.32
28 21 00 00-0655 EA Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308M).....	2,736.73	48.32
28 21 00 00-0656 EA Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316S)	8,141.83	48.32
28 21 00 00-0657 EA Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316M)	7,247.92	48.32
28 21 00 00-0658 Digitally Encoded Video, Fiber Optics Receivers (28 21 00 00-0648)		
28 21 00 00-0659 EA Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AS).....	735.66	48.32
28 21 00 00-0660 EA Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AM).....	329.27	48.32
28 21 00 00-0661 EA Two-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AS).....	1,245.44	48.32
28 21 00 00-0662 EA Two-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AM).....	513.80	48.32
28 21 00 00-0663 EA Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304S)	2,012.98	48.32
28 21 00 00-0664 EA Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304M)	1,216.00	48.32
28 21 00 00-0665 EA Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308S).....	3,288.15	48.32
28 21 00 00-0666 EA Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308M).....	2,736.73	48.32
28 21 00 00-0667 EA Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316S)	8,141.83	48.32
28 21 00 00-0668 EA Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316M).....	7,247.92	48.32
28 21 00 00-0669 Video And Data, Fiber Optics Transmission Equipment (28 21 00 00-0636)		
28 21 00 00-0670 Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitters (28 21 00 00-0669)		
28 21 00 00-0671 EA Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT8501AS).....	1,257.65	48.32

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0672 EA Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AM).....	755.76	48.32
28 21 00 00-0673 EA Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041S).....	2,908.33	48.32
28 21 00 00-0674 EA Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041M).....	2,519.89	48.32
28 21 00 00-0675 EA Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081S).....	4,698.30	48.32
28 21 00 00-0676 EA Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081M).....	3,410.21	48.32
28 21 00 00-0677 Digitally Encoded Video With Bidirectional Data, Fiber Optics Receivers (28 21 00 00-0669)		
28 21 00 00-0678 EA Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AS).....	1,257.65	48.32
28 21 00 00-0679 EA Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AM).....	755.76	48.32
28 21 00 00-0680 EA Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041S).....	2,908.33	48.32
28 21 00 00-0681 EA Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041M).....	2,519.89	48.32
28 21 00 00-0682 EA Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081S).....	4,698.30	48.32
28 21 00 00-0683 EA Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081M).....	3,410.21	48.32
28 21 00 00-0684 Video, Audio And Data, Fiber Optics Transmission Equipment (28 21 00 00-0636)		
28 21 00 00-0685 Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitters (28 21 00 00-0684)		
28 21 00 00-0686 EA Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011S).....	1,615.93	48.32
28 21 00 00-0687 EA Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011M).....	1,288.52	48.32
28 21 00 00-0688 Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receivers (28 21 00 00-0684)		
28 21 00 00-0689 EA Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011S).....	1,615.93	48.32
28 21 00 00-0690 EA Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011M).....	1,288.52	48.32
28 21 00 00-0691 Video Amplifiers (28 21 00 00-0620)		
28 21 00 00-0692 Video Distribution Amplifiers (28 21 00 00-0691)		
28 21 00 00-0693 EA 1 Input, 4 Outputs, Video Distribution Amplifier (Pelco DA104DT).....	201.51	12.08
28 21 00 00-0694 EA 16 Channel, Master, Video Distribution Amplifier (Pelco CM9760-MDA).....	1,611.66	12.08
Note: Inserts time-date and title on up to 16 video inputs.		
28 21 00 00-0695 Video Equalizing Amplifiers (28 21 00 00-0691)		
28 21 00 00-0696 EA Video Equalizing Amplifier (Pelco EA2010).....	218.74	12.08
28 21 00 00-0697 EA Half-Duplex, Video Equalizing Amplifier (Pelco EA2000).....	341.52	12.08
28 21 00 00-0698 Network Video Equipment (28 21 00 00-0001)		
28 21 00 00-0699 Video Encoders/Decoders (28 21 00 00-0698)		
28 21 00 00-0700 EA MPEG4 IP Video Receiver (Pelco NET300R).....	811.77	24.16
28 21 00 00-0701 EA MPEG4 IP Video Transmitter (Pelco NET300T).....	811.77	24.16
28 21 00 00-0702 EA MPEG4 IP Video Receiver With Audio (Pelco NET350R).....	932.39	24.16
28 21 00 00-0703 EA MPEG4 IP Video Transmitter With Audio And Local Storage (Pelco NET350T).....	932.39	24.16
28 21 00 00-0704 Network Video Recorders (28 21 00 00-0698)		
28 21 00 00-0705 EA 16 Device Or 100MBPS, Network Video Recorder (Pelco NVR316).....	5,069.51	48.32
28 21 00 00-0706 EA 32 Device Or 100MBPS, Network Video Recorder (Pelco NVR332).....	5,897.36	48.32
28 21 00 00-0707 EA 64 Device Or 100MBPS, Network Video Recorder (Pelco NVR364).....	7,554.51	48.32
28 21 00 00-0708 EA 64 Device Or 100MBPS, PelcoNet Network Video Recorder (Pelco NVR300).....	5,007.04	48.32
28 21 00 00-0709 Network Video Recorder Software (28 21 00 00-0698)		
28 21 00 00-0710 EA 10 User, License Pack (Pelco VMX300-LIC-10).....	499.73	
28 21 00 00-0711 EA 20 User, License Pack (Pelco VMX300-LIC-20).....	901.09	
28 21 00 00-0712 EA 50 User, License Pack (Pelco VMX300-LIC-50).....	2,001.07	
28 21 00 00-0713 EA 100 User, License Pack (Pelco VMX300-LIC-100).....	3,500.25	
28 21 00 00-0714 EA 10 User, Enterprise License Pack (Pelco VMX300-E-LIC10).....	834.32	
28 21 00 00-0715 EA 20 User, Enterprise License Pack (Pelco VMX300-E-LIC20).....	1,500.62	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				28 21 00 00-0716 EA 50 User, Enterprise License Pack (Pelco VMX300-E-LIC50)	3,335.11	
				28 21 00 00-0717 EA 100 User, Enterprise License Pack (Pelco VMX300-E-LIC100)	5,835.19	
				28 21 00 00-0718 EA 200 User, Enterprise License Pack (Pelco VMX300-E-LIC200)	10,002.46	
				28 21 00 00-0719 EA 500 User, Enterprise License Pack (Pelco VMX300-E-LIC500)	20,837.80	
				28 21 00 00-0720 EA 0 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-0).....	4,513.46	
				28 21 00 00-0721 EA 1 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-1).....	4,791.32	
				28 21 00 00-0722 EA 4 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-4).....	7,570.70	
				28 21 00 00-0723 EA 0 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-0)	5,013.90	
				28 21 00 00-0724 EA 1 Analog Input, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-1)	5,291.77	
				28 21 00 00-0725 EA 4 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-4)	8,069.71	
				28 21 00 00-0726 EA 0 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-0).....	4,847.33	
				28 21 00 00-0727 EA 1 Analog Input, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-1).....	5,125.91	
				28 21 00 00-0728 EA 4 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-4).....	7,904.57	
				28 21 00 00-0729 EA 0 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-0)	5,680.21	
				28 21 00 00-0730 EA 1 Analog Input, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-1).....	5,958.07	
				28 21 00 00-0731 EA 4 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-4)	8,737.45	
				28 21 00 00-0732 Video Recording Equipment (28 21 00 00-0001)		
				28 21 00 00-0733 Digital Video Recorders (28 21 00 00-0732)		
				28 21 00 00-0734 EA 8 Channel, 1 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4608DVD-1000).....	4,083.69	48.32
				Note: Includes 8 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 240 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.		
				28 21 00 00-0735 EA 8 Channel, 2 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4608DVD-2000).....	5,513.95	48.32
				Note: Includes 8 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 240 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.		
				28 21 00 00-0736 EA 8 Channel, 3 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4608DVD-3000).....	6,944.21	48.32
				Note: Includes 8 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 240 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.		
				28 21 00 00-0737 EA 16 Channel, 1 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4616DVD-1000).....	4,679.63	48.32
				Note: Includes 16 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 480 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.		
				28 21 00 00-0738 EA 16 Channel, 2 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4616DVD-2000).....	6,109.89	48.32
				Note: Includes 16 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 480 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.		
				28 21 00 00-0739 EA 16 Channel, 3 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4616DVD-3000).....	7,540.15	48.32
				Note: Includes 16 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 480 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.		
				28 21 00 00-0740 EA 8 Channel, 1TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-1000A)	7,930.74	48.32
				28 21 00 00-0741 EA 8 Channel, 2 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-2000A)	10,870.23	48.32
				28 21 00 00-0742 EA 8 Channel, 3 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-3000A)	13,810.44	48.32
				28 21 00 00-0743 EA 16 Channel, 1 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-1000A)	9,545.52	48.32
				28 21 00 00-0744 EA 16 Channel, 2 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-2000A)	12,485.01	48.32
				28 21 00 00-0745 EA 16 Channel, 3 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-3000A)	15,425.22	48.32
				28 21 00 00-0746 EA 24 Channel, 1 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-1000A)	10,433.69	48.32
				28 21 00 00-0747 EA 24 Channel, 2 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-2000A)	13,373.18	48.32
				28 21 00 00-0748 EA 24 Channel, 3 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-3000A)	16,313.39	48.32
				28 21 00 00-0749 EA 32 Channel, 1 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-1000A)	12,048.47	48.32
				28 21 00 00-0750 EA 32 Channel, 2 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-2000A)	14,987.96	48.32
				28 21 00 00-0751 EA 32 Channel, 3 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-3000A)	17,928.17	48.32
				28 21 00 00-0752 EA 16 Channel, 30 IPS, Digital Video Recorder (Pelco DX9116F-1500)	8,753.06	48.32
				28 21 00 00-0753 Digital Video Recorder Accessories (28 21 00 00-0732)		
				28 21 00 00-0754 EA 16 Channel, Multiplexed Analog Output Display Card (Pelco DX8000-MUX16).....	785.92	24.16
				28 21 00 00-0755 Matrix Systems And Controls (28 21 00 00-0001)		
				28 21 00 00-0756 Video Multiplexers (28 21 00 00-0755)		
				28 21 00 00-0757 Monochrome Duplex, Video Multiplexers (28 21 00 00-0756)		
				28 21 00 00-0758 EA 9 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4009MD).....	1,470.89	48.32
				28 21 00 00-0759 EA 16 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4016MD).....	1,391.19	48.32
				28 21 00 00-0760 Color Duplex, Video Multiplexers (28 21 00 00-0756)		
				28 21 00 00-0761 EA 4 Channel, Color Duplex, Video Multiplexer (Pelco MX4004CD).....	999.17	48.32
				28 21 00 00-0762 EA 9 Channel, Color Duplex, Video Multiplexer (Pelco MX4009CD).....	1,890.20	48.32
				28 21 00 00-0763 EA 16 Channel, Color Duplex, Video Multiplexer (Pelco MX4016CD).....	2,047.45	48.32

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0764 Color Simplex, Video Multiplexers <small>(28 21 00 00-0756)</small>		
28 21 00 00-0765 EA 9 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4009CS)	1,591.52	48.32
28 21 00 00-0766 EA 16 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4016CS)	1,855.74	48.32
28 21 00 00-0767 Video Multiplexer Accessories <small>(28 21 00 00-0756)</small>		
28 21 00 00-0768 EA Pushbutton/Joystick Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4000)	890.20	33.00
28 21 00 00-0769 EA Pushbutton Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4002)	532.63	33.00
28 21 00 00-0770 EA Video Multiplexer Server (Pelco MX4000SVR)	1,470.89	48.32
28 21 00 00-0771 Quad Video Processor <small>(28 21 00 00-0755)</small>		
28 21 00 00-0772 EA Monochrome, Quad Video Processor (Pelco QD104M)	458.30	24.16
28 21 00 00-0773 EA Color, Quad Video Processor (Pelco QD104C)	745.50	24.16
28 21 00 00-0774 Switcher <small>(28 21 00 00-0755)</small>		
28 21 00 00-0775 Terminating Manual Switchers <small>(28 21 00 00-0774)</small>		
28 21 00 00-0776 Terminating Manual Switchers <small>(28 21 00 00-0775)</small>		
28 21 00 00-0777 EA 4 Inputs, Terminating Manual Switcher (Pelco MS504DT)	162.87	19.32
28 21 00 00-0778 EA 8 Inputs, Terminating Manual Switcher (Pelco MS508DT)	218.88	19.32
28 21 00 00-0779 EA 12 Inputs, Terminating Manual Switcher (Pelco MS512DT)	264.83	19.32
28 21 00 00-0780 EA 18 Inputs, Terminating Manual Switcher (Pelco MS518DT)	429.25	19.32
28 21 00 00-0781 Audio Follow, Terminating Manual Switchers <small>(28 21 00 00-0775)</small>		
28 21 00 00-0782 EA 4 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS504AF)	208.83	19.32
28 21 00 00-0783 EA 8 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS508AF)	363.20	19.32
28 21 00 00-0784 EA 18 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS518AF)	629.57	19.32
28 21 00 00-0785 Balanced Audio Follow, Terminating Manual Switchers <small>(28 21 00 00-0775)</small>		
28 21 00 00-0786 EA 4 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS504BAF)	277.04	19.32
28 21 00 00-0787 EA 8 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS508BAF)	502.49	19.32
28 21 00 00-0788 Looping Manual Switchers <small>(28 21 00 00-0774)</small>		
28 21 00 00-0789 Looping Manual Switchers <small>(28 21 00 00-0788)</small>		
28 21 00 00-0790 EA 4 Inputs, Looping Manual Switcher (Pelco MS504LDT)	181.54	19.32
28 21 00 00-0791 EA 8 Inputs, Looping Manual Switcher (Pelco MS508LDT)	246.88	19.32
28 21 00 00-0792 EA 12 Inputs, Looping Manual Switcher (Pelco MS512LDT)	312.94	19.32
28 21 00 00-0793 EA 18 Inputs, Looping Manual Switcher (Pelco MS518LDT)	511.82	19.32
28 21 00 00-0794 Audio Follow, Looping Manual Switchers <small>(28 21 00 00-0788)</small>		
28 21 00 00-0795 EA 4 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS504AFL)	224.62	19.32
28 21 00 00-0796 EA 8 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS508AFL)	387.61	19.32
28 21 00 00-0797 EA 12 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS512AFL)	529.77	19.32
28 21 00 00-0798 Balanced Audio Follow, Looping Manual Switchers <small>(28 21 00 00-0788)</small>		
28 21 00 00-0799 EA 4 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS504BAFL)	296.42	19.32
28 21 00 00-0800 EA 8 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS508BAFL)	531.93	19.32
28 21 00 00-0801 EA 12 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS512BAFL)	667.63	19.32
28 21 00 00-0802 Sequential Switchers <small>(28 21 00 00-0774)</small>		
28 21 00 00-0803 Single Output, Sequential Switchers <small>(28 21 00 00-0802)</small>		
28 21 00 00-0804 EA 4 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6104)	313.65	19.32
28 21 00 00-0805 EA 8 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6108)	464.43	19.32
28 21 00 00-0806 Dual Outputs, Sequential Switchers <small>(28 21 00 00-0802)</small>		
28 21 00 00-0807 EA 4 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6204)	390.48	19.32
28 21 00 00-0808 EA 8 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6208)	538.39	19.32
28 21 00 00-0809 Controls <small>(28 21 00 00-0755)</small>		
28 21 00 00-0810 Direct/Multi-Cable Controls <small>(28 21 00 00-0809)</small>		
28 21 00 00-0811 EA Scanner Control Module (Pelco MPS524DT)	280.45	48.32
28 21 00 00-0812 EA 120 Volt AC Pan/Tilt Control Module (Pelco MPT115DT)	298.40	48.32
28 21 00 00-0813 EA 24 Volt AC Pan/Tilt Control Module (Pelco MPT24DT)	329.27	48.32
28 21 00 00-0814 EA Motorized Zoom Lens Control Module (Pelco MLZ6DT)	343.63	48.32



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0815 EA 120 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ115DT).....	533.18	48.32
28 21 00 00-0816 EA 24 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ24DT).....	585.60	48.32
28 21 00 00-0817 Coaxitron Controls <small>(28 21 00 00-0809)</small>		
28 21 00 00-0818 EA Desktop Keyboard, Fixed Speed Coaxitron Controller And Transmitter (Pelco KBD9000)	399.09	33.00
28 21 00 00-0819 EA 8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9000).....	737.26	33.00
28 21 00 00-0820 EA Integral Switcher, 8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9008).....	834.19	33.00
28 21 00 00-0821 Digital Controls <small>(28 21 00 00-0809)</small>		
28 21 00 00-0822 EA Pushbutton Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD200A).....	529.04	33.00
28 21 00 00-0823 EA Pushbutton/Joystick Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD300A).....	883.02	33.00
28 21 00 00-0824 Lock Boxes <small>(28 21 00 00-0755)</small>		
28 21 00 00-0825 EA VCR Lock Box (Pelco LB1000).....	323.06	36.24
<i>For Wall Mount, Add</i>	<i>165.00</i>	
28 21 00 00-0826 EA Computer Disk Drive Lock Box (Pelco LB2000)	330.24	36.24
28 21 00 00-0827 EA VCR And Multiplexer Lock Box (Pelco LB3000)	595.90	36.24
Note: Includes storage for 32 VCR tapes.		
28 40 Life Safety <small>(28)</small>		
Note: Includes testing of new devices and certification.		
28 42 Gas Detection and Alarm <small>(28 40)</small>		
28 42 00 00-0001 Monitoring System For Underground Tanks <small>(28 42)</small>		
28 42 00 00-0002 Continuous Leak Detection System <small>(28 42 00 00-0001)</small>		
Note: Includes calibration, electronic control module and probes. Excludes sample wells, electrical power supply and sensor cable.		
28 42 00 00-0003 EA Single Channel Underground Tank Monitoring System	4,611.84	395.66
28 42 00 00-0004 EA 2 Channel Underground Tank Monitoring System	6,217.78	527.86
28 42 00 00-0005 EA 3 Channel Underground Tank Monitoring System	8,662.99	565.50
28 42 00 00-0006 EA 4 Channel Underground Tank Monitoring System	9,429.68	791.31
28 42 00 00-0007 EA Control Panel, 1-8 Tanks, Single Wall Tank Monitoring System.....	6,263.30	67.55
28 42 00 00-0008 EA Control Panel, 1-4 Tanks, Double Wall Tank Monitoring System	5,647.76	60.32
28 42 00 00-0009 EA Control Panel, 1-8 Tanks, Double Wall Tank Monitoring System	7,417.91	67.55
28 42 00 00-0010 EA Tank Leak Detection Probe	2,291.42	14.48
28 42 00 00-0011 EA Secondary Containment Collar Probe	282.70	5.79
28 42 00 00-0012 EA Interstitial Leak Detection Probe	519.26	12.06
28 42 00 00-0013 EA Liquid Phase Detection	1,710.92	36.19
28 42 00 00-0014 EA Hydrocarbon Vapor, Fixed	1,581.32	36.19
28 42 00 00-0015 EA Hydrocarbon Vapor, Float Mounted.....	1,845.09	41.01
28 42 00 00-0016 EA Liquid And Vapor Hydrocarbon.....	2,104.29	41.01
28 42 00 00-0017 Hydrogen Gas Detection <small>(28 42)</small>		
28 42 00 00-0018 EA Hydrogen Gas Detector Sensor, 1% Fan Relay, 2% Alarm (SBS HGDI-DR)	1,131.89	36.24
28 42 00 00-0019 EA Hydrogen Gas Detector Junction Box (SBS HGDI-JB)	65.59	12.08
28 42 00 00-0020 EA Remote Display With 25' Cable For Hydrogen Gas Detector (SBS HGDI-REM).....	303.30	36.24
28 43 Fuel Oil Detection And Alarm <small>(28 40)</small>		
See CSI section 28 42 00 00-0000 for detection and alarms.		
28 46 Fire Detection And Alarm <small>(28 40)</small>		
28 46 11 Fire Sensors and Detectors <small>(28 46)</small>		
28 46 11 11 Linear Heat Detection Sensors <small>(28 46 11)</small>		
28 46 11 11-0001 Protectowire Fire Alarm <small>(28 46 11 11)</small>		
28 46 11 11-0002 Linear Heat Detector Cable <small>(28 46 11 11-0001)</small>		
28 46 11 11-0003 LF Multi-Purpose Linear Heat Detector, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC).....	3.52	
28 46 11 11-0004 LF Multi-Purpose Linear Heat Detector With Messenger Wire, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC-M).....	3.79	
28 46 11 11-0005 LF High Performance Linear Heat Detector, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR).....	3.79	
28 46 11 11-0006 LF High Performance Linear Heat Detector With Messenger Wire, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR-M).....	4.05	
28 46 11 11-0007 LF Multi-Purpose Linear Heat Detector, XLT Type, 135 Degree F (Protectowire PHSC-XLT)	4.68	
28 46 11 11-0008 LF Multi-Purpose Linear Heat Detector With Messenger Wire, XLT Type, 135 Degree F (Protectowire PHSC-XLT-M)	4.95	
28 46 11 11-0009 EA Flexible Lead Connector For Linear Heat Detector (Protectowire PFL)	49.83	
28 46 11 11-0010 EA Splicing Connector For Linear Heat Detector (Protectowire PWSC)	17.94	
28 46 11 11-0011 EA Cable Tray Clip For Linear Heat Detector (Protectowire CC-2N And CC-2W).....	6.70	
28 46 11 11-0012 EA Cable Tray Spring Clip For Linear Heat Detector (Protectowire HPC-2)	6.70	

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 11 11-0013 EA Adhesive Cable Mount For Linear Heat Detector (Protectowire EMS-A-CO)	7.70	
28 46 11 11-0014 EA Beam Clamp For Linear Heat Detector (Protectowire BC-2)	11.97	
28 46 11 11-0015 EA Beam Clamp With Polypropylene Clip For Linear Heat Detector (Protectowire BC-3P)	12.33	
28 46 11 11-0016 EA Pipe Mounting Straps Nylon (3/4" to 2" Pipe) (Protectowire PM-3A)	0.94	
28 46 11 11-0017 EA Pipe Mounting Straps Nylon (2-1/2" to 3-1/2" Pipe) (Protectowire PM-3B)	1.27	
28 46 11 11-0018 EA Pipe Mounting Straps Nylon (4" to 6" Pipe) (Protectowire PM-3C)	5.48	
28 46 20 Fire Alarm (28 46)		
28 46 21 33 Fire Detection and Alarm Annunciation Panels and Fire Stations (28 46 20)		
28 46 21 33-0001 Edwards Fire Alarm (28 46 21 33)		
28 46 21 33-0002 EST3 Life Safety And Security Control (28 46 21 33-0001)		
28 46 21 33-0003 EST3 Network (28 46 21 33-0002)		
28 46 21 33-0004 Remote Annunciators (28 46 21 33-0003)		
28 46 21 33-0005 EA Remote LCD Command Module Annunciator (EST3 3-LCDANN).....	939.07	72.48
Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.		
28 46 21 33-0006 EA Six Position Base Annunciator (EST3 3-6ANN).....	772.94	72.48
Note: Includes door, CPU card, two annunciator support modules and five blank filler plates. Space provided for up to four Control/Display Modules and one 3-LCD Liquid Crystal Display Module.		
28 46 21 33-0007 EA Ten Position Base Annunciator (EST3 3-10ANN).....	966.65	72.48
Note: Includes door, CPU card, two annunciator support modules and nine blank filler plates. Space provided for up to eight Control/Display Modules and one 3-LCD Liquid Crystal Display Module.		
28 46 21 33-0008 EA Annunciator CPU (EST3 3-ANNCPU3).....	631.14	72.48
Note: One Required per graphic annunciator.		
28 46 21 33-0009 EA Annunciator Support Module (EST3 3-ANNSM).....	122.30	24.16
Note: Takes one space in Annunciator box. Supports one Control/Display module.		
28 46 21 33-0010 EA Liquid Crystal Display Module (EST3 3-LCD)	420.54	72.48
Note: Mounts over 3-CPU(1).		
28 46 21 33-0011 EA Liquid Crystal Display Module (EST3 3-LCDXL).....	646.26	72.48
Note: Mounts over 3-ANNCPU plus two spaces.		
28 46 21 33-0012 EA LED/SWITCH Driver Module Assembly For Third Part Graphics (EST3 3-EVDVRA).....	469.10	72.48
Note: Assembled version of 3-EVDVR, comes packaged with cables, mounting hardware installation instructions used for third party graphics. Mounts in 3-EVDVRX.		
28 46 21 33-0013 EA Power Supply Assembly With 19" Rail Mounting Chassis Assembly (EST3 3-EVPWRA).....	526.12	48.32
Note: Assembled version of 3-EVPWR, comes packaged with cables, mounting hardware and mounting plate for 3-ANNCPU1. Used for third party graphics.		
28 46 21 33-0014 EA Plastic Mounting Extrusion 19" Mounting (EST3 3-EVDVRX).....	89.33	24.16
Note: Mounts up to three 3-EVDVRA modules.		
28 46 21 33-0015 EA Central Processor Unit Module (EST3 3-CPU3)	1,104.48	72.48
Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.		
28 46 21 33-0016 EA Primary Power Supply With Local Rail Module, 120 VAC, 50/60 Hz (EST3 3-CPU3)	952.85	24.16
Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.		
28 46 21 33-0017 Remote Annunciators Cabinets (28 46 21 33-0003)		
28 46 21 33-0018 EA Remote LCD Command Module Flush Mount LCD Wallbox (EST3 RLCMB/B).....	95.22	24.16
28 46 21 33-0019 EA Remote LCD Command Module Surface Mount LCD Wallbox (EST3 RLCMB/B-S).....	85.56	19.32
28 46 21 33-0020 EA Six Position LED/LCD Flush Wallbox (EST3 6ANN/B)	105.63	24.16
28 46 21 33-0021 EA Six Position LED/LCD Surface Wallbox (EST3 6ANN/B-S)	95.97	19.32
28 46 21 33-0022 EA Ten Position LED/LCD Flush Wallbox (EST3 10ANN/B)	115.40	24.16
28 46 21 33-0023 EA Ten Position LED/LCD Surface Wallbox (EST3 10ANN/B-S)	105.74	19.32
28 46 21 33-0024 Audio And Telephone Masters (28 46 21 33-0003)		
28 46 21 33-0025 EA Audio Source Unit With Local Microphone And Firefighters' Telephone (EST3 3-ASU/FT)	2,980.75	96.64
28 46 21 33-0026 EA Audio Source Unit With Local Microphone (Provides Four Local Rail Spaces) (EST3 3-ASU/4).....	1,684.29	96.64
28 46 21 33-0027 EA Audio Source Unit With Local Microphone And Inner Door Filler Plate (EST3 3-ASU).....	1,838.14	96.64
28 46 21 33-0028 EA Fire Fighters Telephone Control Unit With Inner Door Filler Plate (EST3 3-FTCU).....	1,595.15	96.64
28 46 21 33-0029 EA Audio Source Unit Memory Expansion, 100 Minutes (EST3 3-ASUMX/100).....	1,813.89	96.64
28 46 21 33-0030 EA Zoned Amplifier, 95 Watt, Class B. 95 Watt Selectable For 25 Or 70 Vrms Class B Output. Mounts In 2 LRM Spaces (EST3 3-ZA95).....	1,827.23	48.32
28 46 21 33-0031 Battery Distribution Unit (28 46 21 33-0003)		
28 46 21 33-0032 EA Battery Distribution Unit (EST3 3-BTSEN).....	378.04	281.40
28 46 21 33-0033 Remote Booster Power Supply (28 46 21 33-0003)		
28 46 21 33-0034 EA 6.5 Amp, 120 VAC, Booster Power Supply (EST3 BPS6A)	550.15	72.48
28 46 21 33-0035 EA 10 Amp, 110 VAC Booster Power Supply (EST3 BPS10)	622.24	72.48
28 46 21 33-0036 EA 10 Amp, 220 VAC Booster Power Supply (EST3 BPS10220)	675.37	72.48
28 46 21 33-0037 EA Tamper Switch - For CAB7, 14 And 21 Series Cabinets (EST3 3-TAMP)	96.97	24.16
28 46 21 33-0038 Batteries And Battery Cabinets (28 46 21 33-0003)		
28 46 21 33-0039 EA 1.2 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V1A2 (1.2 Amp Hours)).....	77.17	24.16
28 46 21 33-0040 EA 4 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V4A (4.5 Amp Hours)).....	92.83	24.16
28 46 21 33-0041 EA 24 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V24A (26 Amp Hours)).....	200.89	24.16



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0042 EA 6.5 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V6A5 (7.2 Amp Hours)).....	99.10	24.16
28 46 21 33-0043 EA 40 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V40A (40 Amp Hours)).....	251.06	24.16
28 46 21 33-0044 EA 10 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V10A (11 Amp Hours)).....	147.21	24.16
28 46 21 33-0045 EA 50 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V50A (50 Amp Hours)).....	495.46	24.16
28 46 21 33-0046 EA 17 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V17A (18 Amp Hours)).....	150.44	24.16
28 46 21 33-0047 EA 65 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V65A (65 Amp Hours)).....	593.73	24.16
28 46 21 33-0048 EA 8.0 Amp Hours Sealed Lead Acid Battery - 6 VDC (EST3 6V8A (8 Amp Hours)).....	89.78	24.16
28 46 21 33-0049 EA 10 Amp Hours Sealed Lead Acid Battery - 6 VDC (EST3 6V10A (12 Amp Hours)).....	81.96	24.16
28 46 21 33-0050 EA Battery Cabinet, 14.0" x 18.25" x 7.25" Free Standing Cabinet With Key Lock (EST3 BC-1).....	271.38	48.32
Note: Supports up to 40 Ah batteries will hold up to two 12V24A batteries.		
28 46 21 33-0051 EA Battery Cabinet, Gray 22" X 15" X 3.75" (EST3 BC-2)	229.19	48.32
Note: Holds up to two 12V17A batteries.		
28 46 21 33-0052 EA Remote Closet Enclosure (EST3 3-RCC7R)	744.35	96.64
28 46 21 33-0053 EA Remote Closet Enclosure (EST3 3-RCC14R)	190.42	96.64
28 46 21 33-0054 EA Remote Closet Enclosure (EST3 3-RCC21R)	1,254.80	96.64
28 46 21 33-0055 Serial Printer <small>(28 46 21 33-0003)</small>		
28 46 21 33-0056 EA System Printer - Desk Top Style (EST3 PT-1S)	955.44	24.16
28 46 21 33-0057 Intelligent Analog Initiating Devices <small>(28 46 21 33-0002)</small>		
28 46 21 33-0058 Detectors, Signature <small>(28 46 21 33-0057)</small>		
28 46 21 33-0059 EA Intelligent 4D Multisensor Detector - Ionization, Photoelectric, Heat (EST3 SIGA-IPHS)	166.95	36.24
28 46 21 33-0060 EA Intelligent 4D Multisensor Detector, Black - Ionization, Photoelectric, Heat (EST3 SIGA-IPHSB)	185.18	36.24
28 46 21 33-0061 EA Intelligent 3D Multisensor Detector - Photoelectric, Heat (EST3 SIGA-PHS)	161.52	36.24
28 46 21 33-0062 EA Intelligent Photoelectric Smoke Detector (EST3 SIGA-PS)	145.22	36.24
28 46 21 33-0063 EA Intelligent Ionization Smoke Detector (EST3 SIGA-IS)	150.65	36.24
28 46 21 33-0064 EA Intelligent Fixed Temperature / Rate-of-Rise Heat Detector - 135F, 15F Per Minute (EST3 SIGA-HRS)	127.05	36.24
28 46 21 33-0065 EA Intelligent Fixed Temperature Heat Detector - 135 Degree F (EST3 SIGA-HFS)	127.05	36.24
28 46 21 33-0066 EA Passive Infrared Motion Detector (EST3 SIGA-MD)	190.03	36.24
28 46 21 33-0067 EA Passive Infrared Motion Detector With Swivel Mount For Single Gang Boxes (EST3 SIGA-MDS)	207.83	36.24
28 46 21 33-0068 EA Intelligent Photoelectric Smoke Detector (EST3 SIGA2-PS)	178.48	36.24
28 46 21 33-0069 EA Intelligent Combination Photo Electric And CO Sensor (EST3 SIGA2-PCOS)	249.18	36.24
28 46 21 33-0070 EA Intelligent Fixed Temperature Heat Detector - 135 Degree F (EST3 SIGA2-HFS)	152.09	36.24
28 46 21 33-0071 EA Intelligent Fixed Temperature / Rate-of-Rise Heat Detector - 135F, 15F Per Minute (EST3 SIGA2-HRS)	152.09	36.24
28 46 21 33-0072 EA Intelligent 3D Multisensor Detector - Photoelectric, Heat (EST3 SIGA2-PHS)	202.23	36.24
28 46 21 33-0073 Detectors, Duct Housings and Accessories, Signature <small>(28 46 21 33-0057)</small>		
28 46 21 33-0074 EA Superduct, Signature Duct Smoke Detector (EST3 SIGA-SD)	330.69	60.40
28 46 21 33-0075 EA Superduct, Test Magnet Kit (EST3 SD-MAG)	16.87	
28 46 21 33-0076 EA Superduct, 120" Air Sample Tube (EST3 SD-T120)	47.07	14.50
28 46 21 33-0077 EA Superduct, Remote Test Station, Keyed, 2-Wire And SIGA (EST3 SD-TRK).....	88.32	19.32
28 46 21 33-0078 EA Duct Smoke Detector Test Station, 2-Gang Plastic Plate With Key Switch, 2 Keys, Use With Duct Detector Only (EST3 SIGA-DTS)	115.89	19.32
28 46 21 33-0079 EA High Temp Heat Detector, 194 Degree F, Combination Rate-Of-Rise And Fixed Temperature (EST3 282B-PL).....	56.88	19.32
28 46 21 33-0080 Detectors, Smoke, Beam <small>(28 46 21 33-0057)</small>		
28 46 21 33-0081 EA Fireray 2000 Beam Alignment Aid, For Quick Alignment Of Beam Detector Transmitter And Receiver Heads (EST3 0201-01-A)	107.70	
28 46 21 33-0082 EA Fireray 2000 Beam Smoke Detector (By Fire Fighting Enterprises) (EST3 22310-18-01).....	1,256.02	36.24
Note: Includes controller and remote mount transmitter and receiver head.		
28 46 21 33-0083 EA Fireray 2000 Beam Detector Prism, Use To Reflect Beam When Mounting Transmitter And Receiver Heads On Same Wall (EST3 23901-00).....	80.12	12.08
28 46 21 33-0084 EA Replacement Reflector, For EC-50R/-100R Reflective Beam Detectors (EST3 23901-01).....	94.07	12.08
28 46 21 33-0085 EA 160 - 330' Reflective Beam Detector (EST3 EC-100R)	1,283.91	36.24
28 46 21 33-0086 EA 15 - 160' Reflective Beam Detector (EST3 EC-50R)	1,097.54	36.24
28 46 21 33-0087 EA Remote Test Station, For EC-50R/-100R Reflective Beam Detectors (EST3 EC-LLT)	257.18	12.08
28 46 21 33-0088 EA 160 - 330' Self Adjusting Reflective Beam Detector (EST3 EC-5000R).....	1,352.58	36.24
28 46 21 33-0089 Modules, Signature <small>(28 46 21 33-0057)</small>		
28 46 21 33-0090 EA Universal Class A/B Module - UIO Mount (EST3 SIGA-MAB)	151.85	24.16
28 46 21 33-0091 EA Class B Single Input Module (One Gang Standard Mount) (EST3 SIGA-CT1).....	103.54	24.16
28 46 21 33-0092 EA Class B Dual Input Module (One Gang Standard Mount) (EST3 SIGA-CT2)	142.04	24.16
28 46 21 33-0093 EA Class B Dual Input UIO (Plug In) Module (EST3 SIGA-MCT2).....	137.32	24.16
28 46 21 33-0094 EA Single Input (Riser) Module, Features A Built-In Ring Tone Generator, Use For Switching A Single Signal Or Audio Circuit (EST3 SIGA-CC1)	156.57	24.16
28 46 21 33-0095 EA Dual Input (Riser) Module, Use For Switching (Selecting) Either Of Two Signal Or Audio Input Circuits To One Signal Output Circuit (EST3 SIGA-CC2)	164.56	24.16
28 46 21 33-0096 EA Control Relay Module (One Gang Standard Mount) (EST3 SIGA-CR)	123.88	24.16
Note: Select for either N.O. or N.C. operation. Rated at 2 amps (24Vdc).		
28 46 21 33-0097 EA Control Relay UIO (Plug In) Module (EST3 SIGA-MCR)	121.06	24.16
28 46 21 33-0098 EA Single Input (Riser) Module With Strobe Synchronization Output (EST3 SIGA-CC1S)	157.38	24.16
28 46 21 33-0099 EA Universal Input/Output Module - Input With Programmable Output (EST3 SIGA-IO)	153.73	24.16
28 46 21 33-0100 EA Input/Output Module - UIO Mount, Multifunction Module With Input And Program (EST3 SIGA-MIO)	148.30	24.16
28 46 21 33-0101 EA Waterflow/Tamper Module (One Gang Standard Mount) (EST3 SIGA-WTM).....	137.03	112.87

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0102 EA Monitor Module (One Gang Standard Mount) (EST3 SIGA-MM1).....	103.75	24.16
Note: Factory programmed for non-latching monitor operation.		
28 46 21 33-0103 EA Single Input (Riser) Module, With Synchronization Output (EST3 SIGA-MCC1S).....	158.07	24.16
28 46 21 33-0104 Module Accessories, Signature (28 46 21 33-0057)		
Note: Universal I/O motherboards are required for UIO plug-in modules. Module mounting plates can be used to mount multiple 1 & 2-gang modules.		
28 46 21 33-0105 EA Module Mounting Bracket - For 4" Square Box, Mounting Kit Allows Installing 2 Single Gang Signature Modules Into A Single 4" Square Box (EST3 SIGA-MB4).....	42.41	12.08
28 46 21 33-0106 EA Universal Input/Output Module Motherboard - 6 Position, Use For M Series Modules (EST3 SIGA-UIO6).....	135.56	24.16
28 46 21 33-0107 EA Transient Protector - For Bell And Horn Circuits, Provides Transient Protection To -CC1, -MCC1, -CC2, -MCC2, -UM And -MAB Modules (EST3 235196P).....	17.22	7.24
28 46 21 33-0108 EA Signature Module Mounting Plate, 1 Footprint, Space For Up To Four 2-Gang Signature Modules Or Eight 1-Gang Signature Modules (EST3 SIGA-MP1).....	48.69	12.08
28 46 21 33-0109 EA Signature Module Mounting Plate, 1/2 Footprint, Space For Up To Two 2-Gang Signature Modules Or Four 1-Gang Signature Modules (EST3 SIGA-MP2).....	44.18	12.08
28 46 21 33-0110 EA Signature Module Mounting Plate, 1/2 Extended Footprint, Space For Up To Three 2-Gang Signature Modules Or Six 1-Gang Signature Modules (EST3 SIGA-MP2L).....	45.96	12.08
28 46 21 33-0111 Single Action Pull Stations, Signature (28 46 21 33-0057)		
28 46 21 33-0112 EA One Stage Fire Alarm Station, English Markings (EST3 SIGA-270).....	178.45	50.25
28 46 21 33-0113 EA Two Stage (Pre Signal) Fire Alarm Station, English Markings (EST3 SIGA-270P).....	205.70	50.25
28 46 21 33-0114 EA GA Key - For Pre Signal Station (EST3 276-K2).....	23.50	18.68
28 46 21 33-0115 EA 20 Glass Rods For SIGA-270 Series Stations (EST3 270-GLR).....	28.75	23.93
28 46 21 33-0116 EA Surface Mount Box, Red - For SIGA-270 Series (EST3 276B-RSB).....	50.43	31.09
28 46 21 33-0117 Double Action Pull Stations, Signature (28 46 21 33-0057)		
28 46 21 33-0118 EA Double Action (One Stage) Fire Alarm Station, English Markings (EST3 SIGA-278).....	183.10	50.25
28 46 21 33-0119 EA 12 Glass Rods For SIGA-278 Series (EST3 276-GLR).....	29.14	4.84
28 46 21 33-0120 Detector Bases and Accessories, Signature (28 46 21 33-0057)		
Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, and -PHS detectors and -SB, -RB and -IB bases.		
28 46 21 33-0121 EA Audible (Sounder) Base (EST3 SIGA-AB4G).....	82.72	12.08
28 46 21 33-0122 EA Surface Box - For Sounder Base, Use With -AB4G Models Only (EST3 AB4G-SB).....	35.11	12.08
28 46 21 33-0123 EA Audible (Sounder) Base, Mounts To 4" Square, 2-1/8" Deep Box (EST3 SIGA-AB4).....	101.62	12.08
28 46 21 33-0124 EA Detector (Smoke) Guard, Covers Detectors Mounted To Flush Boxes, Compatible With -IPHS And -PS Signature Detectors (EST3 SIGA-DG).....	60.56	12.08
28 46 21 33-0125 EA Detector (Smoke) Guard Surface Box - For SIGA-DG (EST3 SIGA-DGSB).....	69.64	12.08
28 46 21 33-0126 EA Detector Mounting Plate (EST3 SIGA-DMP).....	105.97	12.08
Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, -PHS and -IPHS detectors and -SB, -RB and -IB bases. SIGA-IPHS 4D detector is limited to operation in air velocities less than 500 feet per minute.		
28 46 21 33-0127 EA Remote Alarm LED, Use With -SB And -SB4 Standard Base Only (EST3 SIGA-LED).....	42.41	12.08
28 46 21 33-0128 EA Trim Skirt/Ring - For Octagon Box (EST3 SIGA-TS).....	17.29	7.24
28 46 21 33-0129 EA Trim Skirt/Ring - For 4" Square Box, Use To Hide Imperfections Around Electric Boxes Not Completely Hidden By Standard Bases, With All 4" Bases (EST3 SIGA-TS4).....	17.29	7.24
28 46 21 33-0130 EA Detector (Smoke) Guard Mounting Flange, Provides Secure Mounting While Offering Easy Guard Removal, With Tamper Hardware (EST3 SIGA-DGMF).....	41.83	7.24
28 46 21 33-0131 EA Detector Base With Isolator (EST3 SIGA-IB).....	68.72	12.08
28 46 21 33-0132 EA Detector Base With Isolator - For 4" Square Box, With TS4 Skirt (EST3 SIGA-IB4).....	72.62	12.08
28 46 21 33-0133 EA Detector Base With Form 'C' Relay (EST3 SIGA-RB).....	61.94	12.08
28 46 21 33-0134 EA Detector Base With Form 'C' Relay - For 4" Square Box, With TS4 Skirt (EST3 SIGA-RB4).....	61.93	12.08
28 46 21 33-0135 EA Detector Base - Standard, For 4" Square Box, With TS4 Skirt (EST3 SIGA-SB4).....	36.51	12.08
28 46 21 33-0136 Controllers, Signature (28 46 21 33-0057)		
28 46 21 33-0137 EA Signature Dual Driver Controller (EST3 3-SDDC1).....	2,141.31	72.48
28 46 21 33-0138 EA Single Signature Loop Controller (EST3 3-SSDC1).....	1,245.09	72.48
28 46 21 33-0139 EA Signature Loop Controller (EST3 3-SDC1).....	1,122.76	72.48
28 46 21 33-0140 EA Analog Addressable Loop Controller (EST3 3-AADC1).....	1,774.64	72.48
28 46 21 33-0141 Relays And Accessories (28 46 21 33-0057)		
28 46 21 33-0142 EA Multi Voltage Relay (EST3 MR101).....	125.27	24.16
28 46 21 33-0143 EA Single SPDT Auxiliary Relay With LED Track Mounting (EST3 MR101/T).....	40.11	12.08
28 46 21 33-0144 Notification Appliances (28 46 21 33-0002)		
28 46 21 33-0145 Wall Strobes, Horns And Chimes (28 46 21 33-0144)		
28 46 21 33-0146 EA Strobe (15, 30, 75, Or 110 cd Output), White (EST3 G1-VM).....	111.31	36.24
28 46 21 33-0147 EA Strobe (15, 30, 75, Or 110 cd Output), Red (EST3 G1R-VM).....	111.31	36.24
28 46 21 33-0148 EA Horn-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-HDVM).....	123.96	36.24
28 46 21 33-0149 EA Temporal Horn (Selectable High Or Low dB Output), White (EST3 G1-HD).....	97.06	36.24
28 46 21 33-0150 EA Temporal Horn (Selectable High Or Low dB Output), Red (EST3 G1R-HD).....	97.06	36.24
28 46 21 33-0151 EA Temporal Horn, Hi/Lo dB Output, 24 VDC, White, With The Word "FIRE" On Housing (EST3 G1F-HD).....	97.06	36.24



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0152 EA Temporal Horn, Hi/Lo dB Output, 24 VDC, Red, With The Word "FIRE" On Housing (EST3 G1RF-HD).....	97.06	36.24
28 46 21 33-0153 EA Horn (Steady Tone), 24 VDC, White, Not Compatible With Signal Master (EST3 G1-P)	85.09	36.24
28 46 21 33-0154 EA Horn (Steady Tone) - 24 VDC, Red, Not Compatible With Signal Master (EST3 G1R-P)	85.09	36.24
28 46 21 33-0155 EA Horn (Steady Tone), 24 VDC, Red, With The Word "FIRE" On Housing, Not Compatible With Signal Master (EST3 G1RF-P).....	85.09	36.24
28 46 21 33-0156 EA Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-CVM).....	175.59	36.24
28 46 21 33-0157 EA Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), Red (EST3 G1R-CVM).....	175.59	36.24
28 46 21 33-0158 EA Genesis Chime (Selectable High Or Low dB Output), White (EST3 G1-C)	122.42	36.24
28 46 21 33-0159 EA Genesis Chime (Selectable High Or Low dB Output), Red (EST3 G1R-C)	122.42	36.24
28 46 21 33-0160 EA Wall Strobe, 15/75 cd, White, With The Word "FIRE" On Housing (EST3 G1F-V1575)	111.31	36.24
28 46 21 33-0161 EA Multi-cd Strobe, 24 VDC, White, With The Word "FIRE" On Housing (EST3 G1F-VM)	111.31	36.24
28 46 21 33-0162 EA Multi-Candela Strobe, 24 VDC, Red, With The Word "FIRE" On Housing (EST3 G1RF-VM)	111.31	36.24
28 46 21 33-0163 EA Wall Strobe, 15/75 cd, Red, With The Word "FIRE" On Housing (EST3 G1RF-V1575)	111.31	36.24
28 46 21 33-0164 EA Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCF-VM)	114.87	36.24
28 46 21 33-0165 EA Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCFR-VM).....	114.87	36.24
28 46 21 33-0166 EA Genesis Ceiling Strobe, 95-177 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST GCF-VMH).....	123.19	36.24
28 46 21 33-0167 EA Genesis Ceiling Strobe, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VM)	114.87	36.24
28 46 21 33-0168 EA Genesis Ceiling Strobe, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VMH).....	114.87	36.24
28 46 21 33-0169 EA Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, White (EST3 G1T-FIRE)	77.30	36.24
28 46 21 33-0170 EA Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, Red (EST3 G1RT-FIRE)	77.30	36.24
28 46 21 33-0171 Wall Speakers And Speaker Strobes (28 46 21 33-0144)		
28 46 21 33-0172 EA Multi-Wattage 25 VRMS Speaker (EST3 G4-S2)	95.99	36.24
28 46 21 33-0173 EA Multi-Candela/Wattage 25 VRMS Speaker-Strobe (EST3 G4-S2VM)	136.11	36.24
28 46 21 33-0174 EA Multi-Wattage 70 VRMS Speaker (EST3 G4-S7)	95.99	36.24
28 46 21 33-0175 EA Multi-Candela/Wattage 70 VRMS Speaker-Strobe (EST3 G4-S7VM)	136.11	36.24
28 46 21 33-0176 EA Surface Box, White, For Genesis Speaker (EST3 G4B)	48.44	19.32
28 46 21 33-0177 EA Surface Box, Red, For Genesis Speaker (EST3 G4RB).....	48.44	19.32
28 46 21 33-0178 Ceiling Speakers And Speaker Strobes (28 46 21 33-0144)		
28 46 21 33-0179 EA Genesis Ceiling Speaker, 70 VRMS, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7).....	110.54	36.24
28 46 21 33-0180 EA Genesis Ceiling Speaker/Strobe, 70 VRMS, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VM)	136.11	36.24
28 46 21 33-0181 EA Genesis Ceiling Speaker/Strobe, 70 VRMS, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VMH).....	144.20	36.24
28 46 21 33-0182 Harsh Environment Signals (28 46 21 33-0144)		
28 46 21 33-0183 EA Temporal Horn, Self-Synchronized, 24 VDC (EST3 757-1A-T)	100.58	36.24
28 46 21 33-0184 EA 15/75 Candela Temporal Horn/Strobe, 24 VDC (EST3 757-7A-T)	132.51	36.24
28 46 21 33-0185 EA 110 Candela Temporal Horn/Strobe, 24 VDC (EST3 757-8A-T)	132.51	36.24
28 46 21 33-0186 EA 15 Candela Synchronized, 24 VDC, Strobe (EST3 405-5A-T)	123.02	36.24
28 46 21 33-0187 EA 15/75 Candela Synchronized, 24 VDC, Strobe (EST3 405-7A-T).....	116.71	36.24
28 46 21 33-0188 EA 30 Candela Synchronized, 24 VDC, Strobe (EST3 405-3A-T)	123.02	36.24
28 46 21 33-0189 EA 60 Candela Synchronized, 24 VDC, Strobe (EST3 405-6A-T)	123.02	36.24
28 46 21 33-0190 EA 110 Candela Synchronized, 24 VDC, Strobe (EST3 405-8A-T).....	123.02	36.24
28 46 21 33-0191 EA 15/75 Candela Synchronized, 24 VDC, Red, Outdoor Listed, Strobe (EST3 CS405-7A-T).....	136.60	41.07
28 46 21 33-0192 EA 110 Candela Synchronized, 24 VDC, Red, Outdoor Listed, Strobe (EST3 CS405-8A-T).....	136.60	41.07
28 46 21 33-0193 EA 15 Candela Temporal Horn/Strobe, 24 VDC (EST3 757-5A-T)	104.46	36.24
28 46 21 33-0194 EA 30 Candela Temporal Horn/Strobe, 24 VDC (EST3 757-3A-T)	129.53	36.24
28 46 21 33-0195 Fire Alarm Bells (28 46 21 33-0144)		
28 46 21 33-0196 EA 10" Single Stroke Fire Alarm Bells, 24 VDC (EST3 323D-10AW).....	141.37	36.24
28 46 21 33-0197 EA 6" Vibrating Fire Alarm Bells, 24 VDC (EST3 439D-6AW).....	117.52	36.24
28 46 21 33-0198 EA 10" Vibrating Fire Alarm Bells, 24 VDC (EST3 439D-10AW).....	127.70	36.24
28 46 21 33-0199 Multiple Tone Signal (28 46 21 33-0144)		
28 46 21 33-0200 EA 27 Tone Selectable Signal, 24 VDC (EST3 5530MD-24AW).....	788.01	751.77
28 46 21 33-0201 Multi-Purpose Loudspeaker (28 46 21 33-0144)		
28 46 21 33-0202 EA 15 Watt Loudspeaker, Gray (EST3 HPSA15G2570)	179.40	36.24
28 46 21 33-0203 EA 15 Watt Loudspeaker, Red (EST3 HPSA15R2570).....	179.40	36.24
28 46 21 33-0204 Bell/Strobe Plate (28 46 21 33-0144)		
28 46 21 33-0205 EA Bell/Strobe Plate - 15cd (EST3 403-5A-R).....	91.36	19.32
28 46 21 33-0206 Mounting Accessories (28 46 21 33-0144)		
28 46 21 33-0207 EA Surface Mount Box - Indoor, Red, 1-Gang (EST3 27193-11).....	49.17	19.32
28 46 21 33-0208 EA One Gang Surface Mount Box, Red, No Bottom KO (EST3 27193-11-NY).....	49.17	19.32
28 46 21 33-0209 EA Surface Mount Box - Indoor, White, 1-Gang (EST3 27193-16).....	49.17	19.32
28 46 21 33-0210 EA Surface Mount Box - Indoor, Red, 2-Gang (EST3 27193-21).....	49.17	19.32
28 46 21 33-0211 EA Surface Mount Box - Indoor, White, 2-Gang (EST3 27193-26).....	49.17	19.32

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0212 Firefighters' Telephones <small>(28 46 21 33-0144)</small>		
28 46 21 33-0213 EA Remote Telephone Warden Station - Flush, Red, 5' Armored Cable, Hinged Door With Magnetic Latch, 4-State (EST3 6830-NY-F4).....	722.67	60.40
28 46 21 33-0214 EA Four State Remote Telephone Warden Station - Surface, Armored Cord (EST3 6830-NY-S4)	421.74	60.40
28 46 21 33-0215 EA Remote Telephone Warden Station - Flush, Armored Cord (EST3 6830-NY-F).....	313.37	60.40
28 46 21 33-0216 EA Telephone Handset Assembly - Red c/w 60" Coiled Cord (EST3 6830-1).....	237.82	60.40
28 46 21 33-0217 EA Remote Telephone Handset Station - 4-State, Red, 5' Coiled Cord (EST3 6830-4).....	408.25	60.40
28 46 21 33-0218 EA Three State Telephone Handset Assembly - Red, 60" Coiled Cord, Push To Talk Button (EST3 6830-5A)	264.78	60.40
28 46 21 33-0219 EA Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Coiled Cord (EST3 6830-5A-4)	456.01	60.40
28 46 21 33-0220 EA Three State Telephone Handset Assembly - Red, 60" Armored Cord, Push To Talk Button (EST3 6830-6A).....	273.77	60.40
28 46 21 33-0221 EA Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Armored Cable (EST3 6830-6A-4)	517.17	60.40
28 46 21 33-0222 EA Portable Handset Receptacle, 1 Gang Stainless Steel Faceplate (EST3 6833-1).....	63.88	19.32
28 46 21 33-0223 EA Portable Telephone Receptacle - 1-Gang, SS, 4-State (EST3 6833-4).....	71.70	19.32
28 46 21 33-0224 EA Portable Telephone Handset - Black, Coiled Cord (EST3 6830-3).....	87.48	
28 46 21 33-0225 EA Portable Telephone Handset - Red, Coiled Cord (EST3 6700-0061)	87.48	
28 46 21 33-0226 EA Frontplate - Flush Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-1)	142.21	24.16
28 46 21 33-0227 EA Frontplate - Flush Mount, Red Finish, Non Break Glass Type With Two Keys (EST3 6831-2).....	173.35	24.16
28 46 21 33-0228 EA Frontplate - Surface Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-3).....	126.64	24.16
28 46 21 33-0229 EA Frontplate - Surface Mount, Red Finish, Non Break Glass Type, With Two Keys (EST3 6831-4)	122.06	24.16
28 46 21 33-0230 EA Wallbox - Flush Or Surface Mount, Red Finish, 14" x 8-1/2" x 3-1/2" (EST3 6832-1).....	100.93	36.24
28 46 21 33-0231 EA Portable Handset Storage Cabinet, Surface Mount, With Keylock, Red Finish (EST3 TCS-6).....	737.82	48.32
28 46 21 33-0232 Mass Notification EC Appliances <small>(28 46 21 33-0144)</small>		
28 46 21 33-0233 EA G1 Wall, Strobe, White Housing, Alert Markings, Amber Lens (EST3 G1WA-VMA).....	114.90	36.24
28 46 21 33-0234 EA G1 Wall, Strobe, White Housing, Alert Markings, Clear Lens (EST3 G1WA-VMC)	111.66	36.24
28 46 21 33-0235 EA G1 Wall, Strobe, White Housing, No Markings, Amber Lens (EST3 G1WN-VMA)	114.90	36.24
28 46 21 33-0236 EA G1 Wall, Strobe, White Housing, No Markings, Clear Lens (EST3 G1WN-VMC).....	111.66	36.24
28 46 21 33-0237 EA G1 Wall, White Trim Ring, Alert Marking (EST3 G1WT-ALERT)	18.37	7.24
28 46 21 33-0238 Hazardous Location Devices <small>(28 46 21 33-0002)</small>		
28 46 21 33-0239 Detectors, Rate Compensation Heat, For Explosion/Weather/Moisture Proof And Ordinary Location <small>(28 46 21 33-0238)</small>		
28 46 21 33-0240 EA Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 135 Degree F (EST3 302-135).....	104.59	36.24
28 46 21 33-0241 EA Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 194 Degree F (EST3 302-194).....	104.59	36.24
28 46 21 33-0242 EA Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 135 Degree F (EST3 302-AW-135)	107.28	36.24
28 46 21 33-0243 EA Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 194 Degree F (EST3 302-AW-194)	107.28	36.24
28 46 21 33-0244 EA Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 135 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-135)	139.40	36.24
28 46 21 33-0245 EA Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 194 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-194)	139.40	36.24
28 46 21 33-0246 EA Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 135 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-135).....	107.28	36.24
28 46 21 33-0247 EA Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 194 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-194).....	107.28	36.24
28 46 21 33-0248 Hazardous Locations Fire Alarm Station <small>(28 46 21 33-0238)</small>		
28 46 21 33-0249 EA Hazardous Location Fire Alarm Station (EST3 XAL53)	763.47	60.40
28 46 21 33-0250 EA Explosion Proof, Weatherproof, Fire Alarm Station, Single Action, Cat 45 Key Reset, Terminal Connections, DPDT (EST3 MPSR1-D45WX-GE)	728.55	60.40
28 46 21 33-0251 Hazardous Location Strobes <small>(28 46 21 33-0238)</small>		
28 46 21 33-0252 EA Explosion Proof Strobe (EST3 116DEXSTC-FJ)	1,102.84	36.24
28 46 21 33-0253 EA Wall Bracket Mounting Elbow (EST3 116EX-B).....	209.00	12.08
28 46 21 33-0254 EA Ceiling / Wall Mounting Module (EST3 116EX-C).....	272.64	14.50
28 46 21 33-0255 EA Pendant Mounting Module (EST3 116EX-P)	202.37	14.50
28 46 21 33-0256 Hazardous Location Bells <small>(28 46 21 33-0238)</small>		
28 46 21 33-0257 EA 6" Hazardous Location Bells, 24 VDC (EST3 439DEX-6AW)	801.84	36.24
28 46 21 33-0258 EA 8" Hazardous Location Bells, 24 VDC (EST3 439DEX-8AW)	822.06	36.24
28 46 21 33-0259 EA 10" Hazardous Location Bells, 24 VDC (EST3 439DEX-10AW).....	829.34	36.24
28 46 21 33-0260 Hazardous Location Horns <small>(28 46 21 33-0238)</small>		
28 46 21 33-0261 EA Hazardous Location Horns (EST3 888D-N5).....	784.43	36.24
28 46 21 33-0262 EA Explosion Proof Horn, Diode Polarized, 24 VDC (EST3 889D-AW).....	644.55	36.24
28 46 21 33-0263 Door Holders And Relays <small>(28 46 21 33-0002)</small>		
28 46 21 33-0264 Electromagnetic Door Holders <small>(28 46 21 33-0263)</small>		
28 46 21 33-0265 EA Door Holder, Single, Floor Mount - 24 VAC / 24 VDC / 120 VAC (EST3 1501-AQN5)	158.03	36.24
28 46 21 33-0266 EA Door Holder, Double, Floor Mount - 24 VAC / 24 VDC / 120 VAC (EST3 1502-AQN5).....	198.59	36.24



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0267 EA Door Holder, Flush, Wall Mount - 24 VAC / 24 VDC / 120 VAC (EST3 1504-AQN5)	137.31	36.24
28 46 21 33-0268 EA Door Holder, Flush, Wall Mount, Short Catch Plate - 24 VAC / 24 VDC / 120 VAC (EST3 1505-AQN5)	137.31	36.24
28 46 21 33-0269 EA Door Holder, Surface, Wall Mount - 24 VAC / 24 VDC / 120 VAC (EST3 1508-AQN5).....	139.18	36.24
28 46 21 33-0270 EA Door Holder, Completely Flush, Wall Mount - 24 VAC / 24 VDC / 120 VAC (EST3 1509-AQN5)	140.97	36.24
28 46 21 33-0271 Control Relays, Multi-Voltage <small>(28 46 21 33-0263)</small>		
28 46 21 33-0272 EA Single SPDT With LED, Adhesive Tape Mounting (EST3 PAM1).....	31.91	7.24
28 46 21 33-0273 FireShield Plus <small>(28 46 21 33-0002)</small>		
28 46 21 33-0274 3 Zone System <small>(28 46 21 33-0273)</small>		
28 46 21 33-0275 EA Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302R).....	911.22	289.92
28 46 21 33-0276 EA Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302RD)	1,306.55	386.55
28 46 21 33-0277 EA Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302G).....	911.22	289.92
28 46 21 33-0278 EA Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302GD).....	1,306.55	386.55
28 46 21 33-0279 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G).....	59.12	12.08
28 46 21 33-0280 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R).....	59.12	12.08
28 46 21 33-0281 5 Zone System <small>(28 46 21 33-0273)</small>		
28 46 21 33-0282 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502R).....	967.80	289.92
28 46 21 33-0283 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502RD)	1,359.90	386.55
28 46 21 33-0284 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502G).....	967.80	289.92
28 46 21 33-0285 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502GD).....	1,359.90	386.55
28 46 21 33-0286 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G).....	59.12	12.08
28 46 21 33-0287 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R).....	59.12	12.08
28 46 21 33-0288 10 Zone System <small>(28 46 21 33-0273)</small>		
28 46 21 33-0289 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004R).....	1,379.30	386.55
28 46 21 33-0290 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004RD)	1,774.64	483.19
28 46 21 33-0291 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004G).....	1,355.05	386.55
28 46 21 33-0292 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004GD).....	1,774.64	483.19
28 46 21 33-0293 EA Semi Flush Trim Kit For 10 Zone Enclosures, Gray (EST3 F-TRIM10G)	67.87	12.08
28 46 21 33-0294 EA NAC Power Expansion Transformer, 120 VAC, Increases 10 Zone FACP NAC (EST3 F-XTR120)	125.29	24.16
28 46 21 33-0295 FireShield Plus Off Premise Communication Options <small>(28 46 21 33-0273)</small>		
28 46 21 33-0296 EA F-Series Upload/Download DACT And Modem, Dual Line, With 2x16 LCD (EST3 F-DACT).....	258.46	24.16
28 46 21 33-0297 FireShield Plus Remote LED Annunciators <small>(28 46 21 33-0273)</small>		
28 46 21 33-0298 EA Remote System Indicator, Power, Alarm, Supervisory, Trouble And Ground Fault LED's With Local Buzzer, Single Gang, And White Trim Plate (EST3 FSRSI).....	124.93	36.24
28 46 21 33-0299 EA Remote Zone Indicator, Contains 5 Red LED's For Alarm Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-A).....	124.93	36.24
28 46 21 33-0300 EA Remote Zone Indicator, Contains 5 Bi-Color LED's (Red/Yellow) For Alarm Or Supervisory Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-SA).....	129.06	36.24
28 46 21 33-0301 EA Remote Annunciator Trim Plate - 2 Gang - White (EST3 FSAT2)	25.01	7.24
28 46 21 33-0302 EA Remote Annunciator Trim Plate - 3 Gang - White (EST3 FSAT3)	30.29	7.24
28 46 21 33-0303 EA Remote Annunciator Trim Plate - 4 Gang - White (EST3 FSAT4)	42.96	7.24
28 46 21 33-0304 FireShield Plus Remote 10 Zone LED Annunciators <small>(28 46 21 33-0273)</small>		
28 46 21 33-0305 EA Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10).....	347.28	36.24
28 46 21 33-0306 EA Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators And Common Control Switches, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10C).....	379.62	36.24
28 46 21 33-0307 EA Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Gray (EST3 RA-ENC1).....	129.14	24.16

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0308			FireShield Plus Remote Relays And Interfaces (28 46 21 33-0273)		
28 46 21 33-0309	EA		Remote Relay Module, 5 Form C Contacts, Jumper Selectable Operation, With Mounting Track (EST3 FSRRM24).....	135.74	24.16
28 46 21 33-0310	EA		11" Snap Track Holds 2-4 RRM's, Used To Mount FSRRM's In MFC-A Or Other Listed Enclosure, MFC-A Will Hold Two FSRRM-11S (EST3 FSRRM-S11).....	58.77	14.50
28 46 21 33-0311	EA		Common Function Graphic Driver/Interface - 9 Relays And 5 Switch Inputs For Common System Indicators And Controls (EST3 FSUIM).....	208.35	24.16
28 46 21 33-0312			FireShield Plus Accessories (28 46 21 33-0273)		
28 46 21 33-0313	EA		Resistor Kit With 1-3.6K And 1-1.1K (46071-0409) (EST3 EOL3.6-1.1).....	13.42	
28 46 21 33-0314	EA		4.7k UL End Of Line Resistor With FireShield Panels (EST3 EOL47PK7).....	9.00	
28 46 21 33-0315			iO Series Fire Control Panels (28 46 21 33-0002)		
28 46 21 33-0316			Intelligent Analog Control Panels (28 46 21 33-0315)		
28 46 21 33-0317	EA		FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amp Power Supply, Gray Door, 115 VAC, Capacity For Up (2) 18a/h Batteries, English (EST3 iO500G).....	2,786.28	483.19
28 46 21 33-0318	EA		FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amp Power Supply, Gray Door, 115 VAC, Capacity For Up (2) 18 a/h Batteries, With Dual Line Dialer/Modem, English (EST3 iO500GD).....	2,943.08	483.19
28 46 21 33-0319	EA		FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amp Power Supply, Gray Door, 115 VAC, Capacity For Up (2) 10 a/h Batteries, English (EST3 iO64G).....	2,225.15	386.55
28 46 21 33-0320	EA		FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amp Power Supply, Gray Door, 115 VAC, Capacity For Up (2) 10a/h Batteries, With Dual Line Dialer/Modem, English (EST3 iO64GD).....	2,297.89	386.55
28 46 21 33-0321			Option Modules And Accessories For iO Series (28 46 21 33-0315)		
28 46 21 33-0322	EA		16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Left Side Mounting, Zones 1-16 (EST3 D16L-iO-1).....	234.13	36.24
28 46 21 33-0323	EA		16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Right Side Mounting, Zones 17-32, Requires D16L-iO-1 (EST3 D16L-iO-2).....	153.30	36.24
28 46 21 33-0324	EA		Serial Interface, RS232, 4 Terminal Connections For Supervised/Unsupervised Printers And Connection To PC's (EST3 SA-232).....	153.30	36.24
28 46 21 33-0325	EA		Class A NAC Module, For 64 Point Systems Only, Mounts To Main Board (EST3 SA-CLA).....	129.14	24.16
28 46 21 33-0326	EA		Dialer/Modem, Two Telephone Line Connections, RJ31, Mounts To Base Plate (EST3 SA-DACT).....	248.80	19.32
28 46 21 33-0327	EA		Ethernet Port Interface, RJ45, Mounts To Base Plate (EST3 SA-ETH).....	442.78	19.32
28 46 21 33-0328	EA		Trim Kit For Semi-Flush Mounting 64 Point Systems (EST3 SA-TRIM1).....	58.11	12.08
28 46 21 33-0329	EA		Trim Kit For Semi-Flush Mounting 500 Point Systems (EST3 SA-TRIM2).....	66.19	12.08
28 46 21 33-0330	EA		Expansion Loop For iO500 Systems, 125 Detectors/125 Modules, Mounts On Main Board (EST3 XAL250).....	824.06	48.32
28 46 21 33-0331			Remote Annunciators For iO Series (28 46 21 33-0315)		
28 46 21 33-0332	EA		Remote Annunciator, 80 Character LCD, Common System Indicators, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD).....	456.39	36.24
28 46 21 33-0333	EA		Remote Annunciator, 80 Character LCD, Common System Indicators And Controls, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD-C).....	476.60	36.24
28 46 21 33-0334			Remote Annunciator Accessories (28 46 21 33-0315)		
28 46 21 33-0335	EA		24 Expander Cable Assembly, With Cable And Hardware (EST3 730073).....	56.49	12.08
28 46 21 33-0336	EA		12 Expander Cable (Cable Only) (EST3 7120313-01).....	40.32	12.08
28 46 21 33-0337	EA		24 Expander Cable (Cable Only) (EST3 7120313-02).....	52.44	12.08
28 46 21 33-0338	EA		Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC1).....	153.30	36.24
28 46 21 33-0339	EA		Dual Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC2).....	173.50	36.24
28 46 21 33-0340	EA		Three Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC3).....	193.72	36.24
28 46 21 33-0341	EA		Blank Zone Card Insert For RLEDx Controllers (EST3 RA-LED16ZC).....	40.32	12.08
28 46 21 33-0342	EA		Blank Zone Card Insert For RLED24x Controllers (EST3 RA-LED24ZC).....	40.32	12.08
28 46 21 33-0343	EA		Remote Key Switch, Single Gang Mount, Provides Keyed Control To Enable/Disable Common Control Switches On Remote Annunciators (EST3 RKEY).....	75.64	12.08
28 46 21 33-0344			System Accessories (28 46 21 33-0315)		
28 46 21 33-0345	EA		Battery Cabinet, 14" x 18.25" x 7.25" Free Standing Cabinet With Key Lock, Supports Up To 40 Amp Hours Batteries, Will Hold Up To Two 12 VDC, 24 Amp Batteries (EST3 BC-1).....	271.38	48.32
28 46 21 33-0346	EA		Isolator Module - RS232, For Use With Short Haul Modems, VDU-3, CCA Series, CGP Series And FCOM-232, Requires 1/2 Size Cabinet Footprint (EST3 IOP3A).....	1,324.66	386.55
28 46 21 33-0347			Conventional Initiating Devices (28 46 21 33-0002)		
28 46 21 33-0348			Detectors, Heat, Double Pole (28 46 21 33-0347)		
Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.					
28 46 21 33-0349	EA		Heat Detector, 135 Degree F Fixed Temperature (CF135-2).....	116.04	36.24
28 46 21 33-0350	EA		Heat Detector, 200 Degree F Fixed Temperature (CF200-2).....	116.04	36.24
28 46 21 33-0351	EA		Heat Detector, 135 Degree F ROR/Fixed Temperature (CR135-2).....	116.04	36.24
28 46 21 33-0352	EA		Heat Detector, 200 Degree F ROR/Fixed Temperature (CR200-2).....	116.04	36.24



			MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0353 Detectors, Rate Compensation Heat, Accessories <small>(28 46 21 33-0347)</small>					
	28 46 21 33-0354	EA	Heat Detector, Rate Compensation, Adapter Plate For Mounting 302 And 302-AW To Any 3 Outlet Box Or 4" Octagon Outlet Box (GE AP-P)	78.58	36.24
	28 46 21 33-0355	EA	Explosion Proof Outlet Body With Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE JALX11).....	170.79	19.32
	28 46 21 33-0356	EA	4" Weatherproof, Octagon Backbox And Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE STONCO27).....	64.07	24.16
28 46 21 33-0357 Detectors, Heat, Fire-Lite <small>(28 46 21 33-0347)</small>					
Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.					
	28 46 21 33-0358	EA	Explosion Heat Detector, 135 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-135)	109.85	36.24
	28 46 21 33-0359	EA	Explosion Heat Detector, 194 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-194)	109.85	36.24
28 46 21 33-0360 Audio Notification Systems (Standalone Voice Evacuation) <small>(28 46 21 33-0002)</small>					
28 46 21 33-0361 Audio Notification Panels <small>(28 46 21 33-0360)</small>					
	28 46 21 33-0362	EA	Audio Notification Panel, 100W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS100MDG)	3,366.89	483.19
	28 46 21 33-0363	EA	Audio Notification Panel, 100W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS100MDR).....	3,366.89	483.19
	28 46 21 33-0364	EA	Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS25MDG).....	2,582.89	483.19
	28 46 21 33-0365	EA	Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS25MDR)	2,582.89	483.19
	28 46 21 33-0366	EA	Audio Notification Panel, 50W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS50MDG)	2,970.85	483.19
	28 46 21 33-0367	EA	Audio Notification Panel, 50W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS50MDR).....	2,970.85	483.19
28 46 21 33-0368 Audio Notification Expander Panels <small>(28 46 21 33-0360)</small>					
	28 46 21 33-0369	EA	Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS100XG)	2,647.55	483.19
	28 46 21 33-0370	EA	Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS100XR).....	2,647.55	483.19
	28 46 21 33-0371	EA	Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS25XG)	1,887.79	483.19
	28 46 21 33-0372	EA	Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS25XR)	1,887.79	483.19
	28 46 21 33-0373	EA	Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS50XG)	2,332.33	483.19
	28 46 21 33-0374	EA	Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS50XR).....	2,332.33	483.19
28 46 21 33-0375 Audio Notification Output Accessories <small>(28 46 21 33-0360)</small>					
	28 46 21 33-0376	EA	Zone Adapter, 1 Circuit To 2 Circuit's (GE ANSZC2B)	96.90	12.08
	28 46 21 33-0377	EA	Zone Splitter, 2 Class A Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS2A)	412.03	24.16
	28 46 21 33-0378	EA	Zone Splitter, 4 Class B Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS4B)	412.03	24.16
	28 46 21 33-0379	EA	Class A Converter (GE ANSZSC4A)	298.88	24.16
28 46 21 33-0380 Audio Notification Remote Microphone <small>(28 46 21 33-0360)</small>					
	28 46 21 33-0381	EA	Microphone (GE ANSMIKE)	121.06	24.16
	28 46 21 33-0382	EA	Remote Microphone, Supervised In Surface/Semi-Flush Gray Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMG).....	452.44	24.16
	28 46 21 33-0383	EA	Remote Microphone, Supervised In Surface/Semi-Flush Red Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMR).....	452.44	24.16
	28 46 21 33-0384	EA	Remote Microphone Supervisory Card, One Per System, Supervises Up To 5 Remote Microphones (GE ANSREMSUP).....	104.98	12.08
	28 46 21 33-0385	EA	Relay Card For Supervision/Zone Splitter To Remote Microphone (GE ANSZSR)	60.52	12.08
28 46 21 33-0386 Audio Notification Accessories <small>(28 46 21 33-0360)</small>					
	28 46 21 33-0387	EA	Audio Matching - Line Input/Output Card (GE ANSAUX)	193.80	24.16
	28 46 21 33-0388	EA	Class B Backup Amplifier Switching Module (GE ANSBKUP)	193.80	24.16
	28 46 21 33-0389	EA	Class A Backup Amplifier Switching Module (GE ANSBKUPA).....	193.80	24.16
	28 46 21 33-0390	EA	Eight Input Remote Serial Interface Module, Accepts Dry Contact Interface To Control Up To 8 Messages, Message Recording Included With Module, For Industrial Signaling Only, Not UL Listed For Fire Alarm / Life Safety Applications (GE ANRSI8)	412.03	24.16
28 46 21 33-0391 Audio Notification Modules, Without Cabinet And Transformer <small>(28 46 21 33-0360)</small>					
	28 46 21 33-0392	EA	100W Expander Module (No Microphone OR DMR), Requires Transformer Ordered Separately (GE ANS100A)	1,478.75	48.32
Note: Excludes cabinet.					

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0393 EA 100W Expander Module With Microphone (No DMR), Requires Transformer Ordered Separately (GE ANS100AM).....	1,551.49	48.32
Note: Excludes cabinet.		
28 46 21 33-0394 EA 100W Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS100AMD).....	2,133.43	48.32
Note: Excludes cabinet.		
28 46 21 33-0395 EA 25 Watt Expander Module (No Microphone Or DMR), Requires Transformer Ordered Separately (GE ANS25A).....	824.06	48.32
Note: Excludes cabinet.		
28 46 21 33-0396 EA 25 Watt Expander Module With Microphone (No DMR), Requires Transformer (GE ANS25AM).....	824.06	48.32
Note: Excludes cabinet.		
28 46 21 33-0397 EA 25 Watt Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS25AMD).....	1,478.75	48.32
28 46 21 33-0398 EA 50W Expander Module (No Microphone Or DMR) (GE ANS50A).....	1,187.78	48.32
Note: Excludes cabinet.		
28 46 21 33-0399 EA 50W Expander Module With Microphone (No DMR) (GE ANS50AM).....	1,260.52	48.32
Note: Excludes cabinet.		
28 46 21 33-0400 EA 50W Audio Notification Module With DMR And Microphone (GE ANS50AMD).....	1,842.46	48.32
Note: Excludes cabinet.		
28 46 21 33-0401 EA Power Transformer, Open Frame, 28 VAC @ 180 VA (EVAX 50/100) (GE ANST28180).....	96.90	12.08
28 46 21 33-0402 EA Power Transformer, Open Frame, 28 VAC @ 100 VA (EVAX 25) (GE ANST2885).....	73.50	12.08
28 46 21 33-0403 Simplex Fire Alarm (28 46 21 33)		
28 46 21 33-0404 4100 Fire Alarm Control Panel (28 46 21 33-0403)		
28 46 21 33-0405 EA 4100U Master Controller Assembly With LCD And Operator Interface, 9 Amp System Power Supply/Battery Charger (SPS), 250 Point IDNet Interface, 3 NACS, Auxiliary Relay And External RUI Communications Interface, 120 VAC Input (Simplex 4100-9111).....	4,381.07	482.51
28 46 21 33-0406 EA 4100ES NDU With Master Controller, LCD And Operator Interface, Network Interface Module (Select Media Card Separately), 9 Amp System Power Supply/Battery Charger, And External RUI Communications Interface (Power Supply/Battery Charger Is An SPS With Its IDNet Channel And NACs Disabled), 120 VAC Input (Simplex 4100-9141).....	4,732.18	482.51
28 46 21 33-0407 EA 4100ES NDU With VCC Includes The First Bay Equipment Described For The NDU And A Second Bay Assembly With Separate: Master Controller For Voice Functions, Network Interface (Select Media Card Separately), And A Standard SPS With 250 Point IDNet Channel; And 3, 3 A Class A/B NACs Capable Of SmartSync Two-Wire Operation, 120 V Input (Simplex 4100-9142).....	6,571.10	482.51
28 46 21 33-0408 EA IDNet Module, Up To 127 Points (Simplex 4100-3104).....	3,001.29	482.51
Note: Add-on module.		
28 46 21 33-0409 EA IDNet Module, Up To 64 Points (Simplex 4100-3105).....	2,465.83	482.51
Note: Add-on module.		
28 46 21 33-0410 EA Expansion Power Supply, 3 NACs, 120 VAC (Simplex 4100-5101).....	1,292.04	120.63
Note: Add-on module.		
28 46 21 33-0411 EA Alarm Relay, 3 Form C Relays, 2 Amp @ 32 VDC, For SPS Or RPS (Simplex 4100-6033).....	269.66	24.13
Note: Add-on module.		
28 46 21 33-0412 EA Dual Port RS-232 Interface Card (Simplex 4100-6038).....	748.79	24.13
Note: Add-on module.		
28 46 21 33-0413 4100U Backbox (28 46 21 33-0403)		
28 46 21 33-0414 EA 2 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9425).....	1,329.08	96.51
Note: 24" x 40" beige backbox.		
28 46 21 33-0415 EA 3 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9443).....	1,850.01	96.51
Note: 24" x 56" beige backbox.		
28 46 21 33-0416 DACT (Digital Alarm Communicator Transmitter) (28 46 21 33-0403)		
28 46 21 33-0417 EA 6 Zone Fire Control Communicator (Silent Knight SK-5104).....	725.17	48.25
28 46 21 33-0418 4010 Fire Alarm Control Panel (28 46 21 33-0403)		
28 46 21 33-0419 EA 120 VAC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, External N2 Communications Interface, And Internal Common Event Reporting DACT (Simplex 4010-9101).....	4,165.88	482.51
28 46 21 33-0420 EA 240 VAC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, And External N2 Communications Interface (Simplex 4010-9201).....	4,058.96	482.51
28 46 21 33-0421 EA Dual Circuit Class A NAC Adapter Module (Simplex 4010-9806).....	145.20	24.13
28 46 21 33-0422 EA Dual RS-232 Interface Module Expansion Slot Option (Simplex 4010-9811).....	586.18	24.13
28 46 21 33-0423 EA Single RS-232 Interface Module With Service Modem Connection Expansion Slot Option (Simplex 4010-9812).....	800.98	24.13
28 46 21 33-0424 EA 120 VAC, 4 Amp Expansion Power Supply Expansion Module (Simplex 4010-9813).....	417.97	24.13
28 46 21 33-0425 EA 240 VAC, 4 Amp Expansion Power Supply Expansion Module (Simplex 4010-9823).....	451.22	24.13
28 46 21 33-0426 EA Battery Meter Module Expansion Module (Simplex 4010-9820).....	177.51	24.13
28 46 21 33-0427 Printer (28 46 21 33-0403)		
28 46 21 33-0428 EA 24 Pin Dot Matrix Printer (Simplex 4190-9013).....	1,282.02	24.13
28 46 21 33-0429 NAC Panel / Power Booster (28 46 21 33-0403)		
28 46 21 33-0430 EA IDNet NAC Extender With 4, Class B (Style Y) NACs and 8 Amp Power Supply, 120 VAC (Simplex 4009-9201).....	886.38	120.63
Note: Power supply for horns and strobes.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0431 Battery <small>(28 46 21 33-0403)</small>		
28 46 21 33-0432 EA 50 Amp Hours Sealed Lead Acid Battery (Simplex 2081-9296) Note: Two required for 24 volt DC.	526.28	24.13
28 46 21 33-0433 EA 33 Amp Hours Sealed Lead Acid Battery (Simplex 2081-9276) Note: Two required for 24 volt DC.	354.01	24.13
28 46 21 33-0434 EA 6.2 Amp Hours Sealed Lead Acid Battery (Simplex 2081-9272) Note: Two required for 24 volt DC.	135.82	24.13
28 46 21 33-0435 Interface Modules <small>(28 46 21 33-0403)</small>		
28 46 21 33-0436 EA Supervised Individual Addressable Modules (Simplex 4090-9001) Note: Monitor modules for waterflow/tamper, etc.	112.15	24.13
28 46 21 33-0437 EA Relay Individual Addressable Modules (Simplex 4090-9002) Note: Control modules for gas shutdown, door holders, etc.	218.48	24.13
28 46 21 33-0438 EA Relay SPDT With LED MR-801/T (Simplex 2088-9032) Note: Interface relay for 120VAC	62.05	24.13
28 46 21 33-0439 EA SmartSync™ Adapter Module For Non-Addressable Notification Appliance Circuits (NACs) (Simplex 4905-9815)	113.32	24.13
28 46 21 33-0440 EA Surface Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9817).....	51.14	12.06
28 46 21 33-0441 EA Flush Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9818)	48.89	12.06
28 46 21 33-0442 Pull Stations <small>(28 46 21 33-0403)</small>		
28 46 21 33-0443 EA Addressable Single Action Manual Pull Station (Simplex 4099-9001)	134.96	24.13
28 46 21 33-0444 EA N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9101)	100.04	24.13
28 46 21 33-0445 EA N.C. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9102)	106.78	24.13
28 46 21 33-0446 EA Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9103)	96.99	24.13
28 46 21 33-0447 EA N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9104)	111.29	24.13
28 46 21 33-0448 EA N.C. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9105)	162.67	24.13
28 46 21 33-0449 EA Pre-Signal, N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9107)	138.31	24.13
28 46 21 33-0450 EA Pre-Signal, N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9108)	160.82	24.13
28 46 21 33-0451 EA Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9754)	81.28	24.13
28 46 21 33-0452 EA Local Alarm Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9755)	85.39	24.13
28 46 21 33-0453 EA Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9756)	98.66	24.13
28 46 21 33-0454 EA N.C. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9758)	146.89	24.13
28 46 21 33-0455 EA Pre-Signal, N.O. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9759)	245.51	24.13
28 46 21 33-0456 EA Institutional Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9762)	88.78	24.13
28 46 21 33-0457 EA Surface Mount Steel Box For Manual Pull Station (Simplex 2975-9178)	53.40	12.06
28 46 21 33-0458 Weatherproof Pull Stations <small>(28 46 21 33-0403)</small>		
28 46 21 33-0459 EA Weather Proof Single Action Pull Station, Cast Metal, B Lock, SPST (Simplex 2099-9138)	134.46	28.95
28 46 21 33-0460 EA Surface Mount Cast Aluminum Box For Exterior Pull Station (Simplex 2975-9211)	83.31	12.06
28 46 21 33-0461 Heat / Smoke Sensor <small>(28 46 21 33-0403)</small>		
28 46 21 33-0462 EA 32 To 122 Degree F Heat Sensor (Simplex 4098-9733).....	138.70	36.19
28 46 21 33-0463 EA Photoelectric Smoke Sensor (Simplex 4098-9714)	193.97	36.19
28 46 21 33-0464 EA Sensor Base With Relay Driver (Simplex 4098-9791)	349.42	12.06
28 46 21 33-0465 EA Standard Sensor Base (Simplex 4098-9792).....	180.47	12.06
28 46 21 33-0466 EA Remote Supervised Relay Accessory For Sensor Base With Relay Driver (Simplex 2098-9737)	112.56	24.13
		Note: Relay for 4098-9791
28 46 21 33-0467 Explosion Proof Heat Detector <small>(28 46 21 33-0403)</small>		
28 46 21 33-0468 EA 135 Degree F Explosion Proof Heat Detector (Simplex 2098-9488).....	145.77	36.19
28 46 21 33-0469 EA Explosion Proof Backbox (Killark JLX-21)	89.43	12.06
28 46 21 33-0470 EA Explosion Proof Backbox Plugs (Killark CUP-2)	8.82	2.41
28 46 21 33-0471 Weatherproof Heat Detector <small>(28 46 21 33-0403)</small>		
28 46 21 33-0472 EA 194 Degree F Fixed Hardwired Weatherproof Heat Detector (Simplex 2098-9490)	110.26	36.19
28 46 21 33-0473 200 Degree F Heat Detector <small>(28 46 21 33-0403)</small>		
28 46 21 33-0474 EA 194 Degree F Heat Detector, ROR/Fixed Temperature (Simplex 5604).....	94.38	36.19
		Note: Used in kiln rooms and kitchens.
28 46 21 33-0475 Duct Smoke Sensor <small>(28 46 21 33-0403)</small>		
28 46 21 33-0476 EA Duct Sensor Housing (Simplex 4098-9755).....	287.20	19.30
28 46 21 33-0477 EA Duct Sensor Housing With Supervised Output For Multiple Remote Relays, 4-Wire (Simplex 4098-9756)	395.84	43.42
		Note: Relay output for AHU shutdown.
28 46 21 33-0478 EA 46" To 71" Duct Sampling Tube (Simplex 2098-9798)	47.61	12.06
		Note: 25", 49", 73" or 97" sampling tube length.
28 46 21 33-0479 EA Remote Duct Test Station With Key Switch And Red LED Status Indicator (Simplex 2098-9806).....	116.96	36.19

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0480 Interior Horn <small>(28 46 21 33-0403)</small>		
28 46 21 33-0481 EA Red With White "FIRE" Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9850).....	109.57	36.19
28 46 21 33-0482 EA White With Red "FIRE" Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9853).....	109.57	36.19
28 46 21 33-0483 Interior Horn Strobe <small>(28 46 21 33-0403)</small>		
28 46 21 33-0484 EA Wall Mounted Horn Strobe, 75Cd, Red (Simplex 4903-9426)	144.69	36.19
28 46 21 33-0485 EA Wall Mounted Horn Strobe, 110Cd, Red (Simplex 4903-9427)	144.69	36.19
28 46 21 33-0486 EA Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9127).....	136.68	36.19
28 46 21 33-0487 EA Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9128).....	136.68	36.19
28 46 21 33-0488 EA Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9129).....	136.68	36.19
28 46 21 33-0489 EA Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9130).....	136.68	36.19
28 46 21 33-0490 EA Weatherproof, Red Housing, White Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9131).....	139.37	36.19
28 46 21 33-0491 EA Weatherproof, White Housing, Red Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9132).....	139.37	36.19
28 46 21 33-0492 EA Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9139).....	144.09	36.19
28 46 21 33-0493 EA Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9140).....	141.91	36.19
28 46 21 33-0494 EA Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9141).....	144.09	36.19
28 46 21 33-0495 EA Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9142).....	141.91	36.19
28 46 21 33-0496 EA Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9227).....	136.68	36.19
28 46 21 33-0497 EA Ceiling Mount, White Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9228).....	136.68	36.19
28 46 21 33-0498 EA Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9229).....	136.68	36.19
28 46 21 33-0499 EA Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9230).....	136.68	36.19
28 46 21 33-0500 Interior Strobe <small>(28 46 21 33-0403)</small>		
28 46 21 33-0501 EA Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9101)	119.66	36.19
28 46 21 33-0502 EA Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9102).....	119.66	36.19
28 46 21 33-0503 EA Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9103)	119.62	36.19
28 46 21 33-0504 EA Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9104).....	119.66	36.19
28 46 21 33-0505 EA Weatherproof, Red Housing, White Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9105)	129.84	36.19
28 46 21 33-0506 EA Weatherproof, White Housing, Red Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9106)	129.84	36.19
28 46 21 33-0507 EA Wall Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9109)	130.49	36.19
28 46 21 33-0508 EA Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9110).....	132.26	36.19
28 46 21 33-0509 EA Wall Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9111).....	132.26	36.19
28 46 21 33-0510 EA Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9112).....	132.26	36.19
28 46 21 33-0511 EA Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9201).....	119.66	36.19
28 46 21 33-0512 EA Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9202)	119.66	36.19
28 46 21 33-0513 EA Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9203)	119.66	36.19
28 46 21 33-0514 EA Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9204).....	119.66	36.19
28 46 21 33-0515 Interior Speakers <small>(28 46 21 33-0403)</small>		
28 46 21 33-0516 EA Red With White "FIRE" Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9716).....	100.95	36.19
28 46 21 33-0517 EA White With Red "FIRE" Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9717)	100.95	36.19
28 46 21 33-0518 EA Ceiling Or Wall Mount, Round Housing Speaker (Simplex 4902-9721).....	100.95	36.19
28 46 21 33-0519 Interior Speaker Strobe <small>(28 46 21 33-0403)</small>		
28 46 21 33-0520 EA Red Housing, White Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9151).....	152.62	36.19
28 46 21 33-0521 EA White Housing, Red Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9153).....	152.62	36.19



				MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0522				Surge Suppressors (28 46 21 33-0403)		
		EA		28 46 21 33-0523 Overvoltage Suppressor (Simplex 2081-9044)	90.27	7.23
		EA		28 46 21 33-0524 Isolated Loop Circuit Protector (Simplex 2081-9028)	59.08	7.23
		EA		28 46 21 33-0525 120 VAC, 20 Amp Multi Stage Hybrid Surge Protector With EMI/RFI Filtering (Ditek 120S20A)	189.06	7.23
		EA		28 46 21 33-0526 24 VAC Data And Loop Circuit Surge Protector (Ditek DTK-2MHL24B)	67.12	7.23
		EA		28 46 21 33-0527 Mounting Base For Two DTK-2MHL (Ditek DTK-2MB)	101.72	12.06
		EA		28 46 21 33-0528 120 VAC, 22,500 Amp, Equipment Panel/Dedicated Circuit Surge Protector (Ditek DTK-120HW)	68.71	7.23
		EA		28 46 21 33-0529 <105 VAC, 9,000 Amp, RJ31 Connection, Alarm Dialer Surge Protection (Ditek DTK-MR.J31SCWP)	52.64	7.23
28 46 21 33-0530				Boxes And Adapters (28 46 21 33-0403)		
		EA		28 46 21 33-0531 Semi-Flush Mount Modular Adapter Using Standard 4" Square Electrical Box (Simplex 4905-9921)	48.89	12.06
		EA		28 46 21 33-0532 Surface Mount Modular Adapter Using Simplex Box (Simplex 4905-9925)	46.64	12.06
		EA		28 46 21 33-0533 Red, Surface Mount Adapter Skirt (Simplex 4905-9937)	42.23	12.06
		EA		28 46 21 33-0534 White, Surface Mount Adapter Skirt (Simplex 4905-9940)	35.97	12.06
28 46 21 33-0535				Accessories (28 46 21 33-0403)		
		EA		28 46 21 33-0536 End-Of-Line Resistor Harness, 10 k Ohms, 1/2 Watt, Two Required, One Each For Audible And Visible Output (Simplex 4081-9008)	26.75	12.06
28 46 21 33-0537				Siemens Fire Alarm (28 46 21 33)		
28 46 21 33-0538				Conventional Control Panels (28 46 21 33-0537)		
28 46 21 33-0539				SXL Batteries And Power Supplies (28 46 21 33-0538)		
		EA		28 46 21 33-0540 6 Amp Notification Appliance Circuit Expander With Built-In Auxiliary Power Output (Siemens PAD-3)	756.04	48.25
		EA		28 46 21 33-0541 Main Board Only For PAD-3 (Siemens PAD-3-MB)	613.79	48.25
28 46 21 33-0542				Digital Fire Communicators (28 46 21 33-0538)		
		EA		28 46 21 33-0543 Four Channel Digital Slave Fire Communicator (Siemens 5129)	595.04	48.25
28 46 21 33-0544				Addressable Control Panels (28 46 21 33-0537)		
28 46 21 33-0545				Fireseeker Equipment (28 46 21 33-0544)		
28 46 21 33-0546				FS-250 System Panels (28 46 21 33-0545)		
		EA		28 46 21 33-0547 FS-250 Electronics Package Including One FS-250-CON And Two FS-NPE, Excludes Enclosure (Siemens FS-250-EKIT)	2,009.92	482.51
				Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer.		
		EA		28 46 21 33-0548 FS-250 Electronics Package Including One FS-250-CON, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-REL-EKIT)	2,444.43	482.51
				Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.		
		EA		28 46 21 33-0549 FS-250-SRX Releasing Electronics Package Including One FS-250-CON2-SRX, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-SRX-EKIT)	1,509.13	386.00
				Note: FS-250-CON2-SRX is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.		
		EA		28 46 21 33-0550 Electronics Package For Releasing Water Or Agent (Siemens FS-250-CON)	2,012.50	482.51
28 46 21 33-0551				FS-250 Optional Modules (28 46 21 33-0545)		
		EA		28 46 21 33-0552 Main Board Module (Siemens FS-MB2)	761.21	48.25
		EA		28 46 21 33-0553 Display Board Module (Siemens FS-DB2)	586.22	24.13
		EA		28 46 21 33-0554 Device Loop Card (Siemens FS-DLC)	482.77	24.13
		EA		28 46 21 33-0555 Releasing Module (Siemens FS-REL)	221.54	24.13
		EA		28 46 21 33-0556 Remote LCD Annunciator (Siemens FS-RD2)	479.53	24.13
		EA		28 46 21 33-0557 Relay Processor Card (Siemens FS-RU2)	418.11	24.13
		EA		28 46 21 33-0558 Relay Expander Board (Siemens FS-RE8)	358.62	24.13
		EA		28 46 21 33-0559 Serial Annunciator Processor Card (Siemens FS-SAU2)	479.53	24.13
		EA		28 46 21 33-0560 16 Output Annunciator Extender (Siemens FS-SAE16)	376.72	24.13
		EA		28 46 21 33-0561 Digital Alarm Communication Transmitter (Siemens FS-DACT)	343.75	24.13
		EA		28 46 21 33-0562 Municipal Tie Module (Siemens FS-MT)	293.96	24.13
		EA		28 46 21 33-0563 Configuration Tool Including Laptop To FS-250 Cable And Software (Siemens FS-CT2)	282.08	
		EA		28 46 21 33-0564 Programming Cable Kit (Siemens CBL-UD)	73.92	12.06
		EA		28 46 21 33-0565 Notification Appliance Circuit Power Expander Transformer (Siemens FS-NPE)	134.25	24.13
		EA		28 46 21 33-0566 Releasing Power Transformer (Siemens FS-RPT-A)	136.19	24.13
		EA		28 46 21 33-0567 Surface Mounted Box For Remote LCD Annunciator (Siemens FS-RD-SB)	149.82	19.30
		EA		28 46 21 33-0568 Cabinet Trim Kit (Siemens RD-CAB-TK)	233.63	12.06
28 46 21 33-0569				Firefinder Systems (28 46 21 33-0544)		
28 46 21 33-0570				XLS Basic Fire System Packages Without Backbox (28 46 21 33-0569)		

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21	33-0571	EA	500 Point Firefinder Package Including Two DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-500-ID-SP)..... Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	6,684.48	482.51
28 46 21	33-0572	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-ID-SP)..... Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	5,946.06	482.51
28 46 21	33-0573	EA	250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-INT-ID-SP)..... Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	5,946.06	482.51
28 46 21	33-0574	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB2-BD And One OD-LP (Siemens XLS-250-CAB2-BD)..... Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB2-BD is a two row inner and outer door set. OD-LP is an outer door clear plastic lens plate.	9,616.16	482.51
28 46 21	33-0575	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB3-BD, One BCL, One ID-SP And One OD-LP (Siemens XLS-250-CAB3-BD)..... Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB3-BD is a three row inner and outer door set. ID-SP is an inner door blank single plate. OD-LP is an outer door clear plastic lens plate.	9,922.65	482.51
28 46 21	33-0576	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-EP)..... Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	5,871.70	482.51
28 46 21	33-0577	EA	250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-INT-EP)..... Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	5,871.70	482.51
28 46 21	33-0578	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-8B, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC8B-EP)..... Note: DLC is a device loop card. PMI is a person machine interface. ZIC-8B is an eight circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	6,735.56	482.51
28 46 21	33-0579		Firefinder - XLS Basic System Equipment (28 46 21 33-0569)		
28 46 21	33-0580	EA	Person Machine Interface With Central Processor (Siemens PMI)..... Note: Includes inner door.	3,120.13	482.51
28 46 21	33-0581	EA	Person Machine Interface With Central Processor, DE-2 And DPU (Siemens PMI-DPU-ENC)..... Note: Includes inner door.	5,028.24	482.51
28 46 21	33-0582	EA	Person Machine Interface With Multilingual Overlays And Central Processor (Siemens PMI-INT)..... Note: Includes inner door.	3,120.13	482.51
28 46 21	33-0583	EA	Two Slot Card Cage (Siemens CC-2).....	368.96	24.13
28 46 21	33-0584	EA	Five Slot Card Cage (Siemens CC-5).....	615.32	24.13
28 46 21	33-0585	EA	Four Circuit Zone Indicating Card (Siemens ZIC-4A).....	873.96	24.13
28 46 21	33-0586	EA	Eight Circuit Zone Indicating Card (Siemens ZIC-8B).....	912.11	24.13
28 46 21	33-0587	EA	Two Channel Adapter Card For ZIC-8B (Siemens ZIC-2C).....	296.54	24.13
28 46 21	33-0588	EA	Device Loop Card (Siemens DLC)..... Note: Interfaces with up to 252 detectors and devices.	1,033.67	24.13
28 46 21	33-0589	EA	Controllable Relay Card (Siemens CRC-6)..... Note: Provides six programmable relays.	590.75	24.13
28 46 21	33-0590	EA	12 Amp Power Supply Charger Module (Siemens PSC-12).....	2,203.37	24.13
28 46 21	33-0591	EA	Person Machine Interface With Central Processor And GPMI-UK Software Upgrade Kit (Siemens GPMI)..... Note: Software kit provides interface with multiple FireFinder XLS and MXL systems.	3,982.69	482.51
28 46 21	33-0592	EA	Network Interface Card (Siemens NIC-C)..... Note: Provides HNET Or XNET communication between enclosures.	689.03	24.13
28 46 21	33-0593	EA	12 Amp Power Supply Extender (Siemens PSX-12)..... Note: Extends PSC-12 with an additional 24 volt DC.	1,834.81	24.13
28 46 21	33-0594	EA	Power Termination Board (Siemens PTB)..... Note: Used with systems requiring more than one PSX-12.	319.82	24.13
28 46 21	33-0595	EA	Conventional Detector Card (Siemens CDC-4).....	664.46	24.13
28 46 21	33-0596	EA	Multi-Mode Network Fiber Optic Interface Module (Siemens D2300CPS).....	1,289.72	24.13
28 46 21	33-0597	EA	Single-Mode Network Fiber Optic Interface Module (Siemens D2325CPS).....	4,605.49	24.13
28 46 21	33-0598		Remote Lobby Enclosure (28 46 21 33-0569)		
28 46 21	33-0599	EA	14-1/2" x 18-1/2" x 5" Two Module Remote Enclosure (Siemens REMBOX2)..... Note: Flush mounted. Includes clear lens plate on cover.	895.85	96.51
28 46 21	33-0600	EA	24" x 18-1/2" x 5" Four Module Remote Enclosure (Siemens REMBOX4)..... Note: Flush mounted. Includes clear lens plate on cover.	1,141.56	96.51
28 46 21	33-0601	EA	Optional Mounting Plate For REMBOX2 (Siemens REMBOX2-MP)..... Note: Required to mount up to four SIM-16 or OCM-16 modules.	147.18	24.13
28 46 21	33-0602	EA	Optional Mounting Plate For REMBOX4 (Siemens REMBOX4-MP)..... Note: Required to mount up to eight SIM-16 or OCM-16 modules.	159.47	24.13
28 46 21	33-0603		Battery Enclosures (28 46 21 33-0569)		
28 46 21	33-0604	EA	Enclosure For 100 Amp Hours Batteries (Siemens CAB-BATT).....	575.14	96.51



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0605	Graphic Annunciator Output Drivers And Inputs <small>(28 46 21 33-0609)</small>	
28 46 21 33-0606 EA Output Control Module (Siemens OCM-16).....	430.39	24.13
28 46 21 33-0607 EA Supervised Input Module (Siemens SIM-16).....	430.39	24.13
28 46 21 33-0608	Remote LCD Displays <small>(28 46 21 33-0609)</small>	
28 46 21 33-0609 EA Remote LED/LCD System Status Display (Siemens SSD).....	1,006.67	72.38
Note: No control or menu capability.		
28 46 21 33-0610 EA Remote LED/LCD System Status Display, Buttons To Acknowledge Events, Silence Audible Circuits And Resetting (Siemens SSD-C).....	1,130.17	72.38
28 46 21 33-0611	Voice Equipment <small>(28 46 21 33-0609)</small>	
28 46 21 33-0612 EA 40W Zone Amplifier Card (Siemens ZAC-40).....	974.18	24.13
28 46 21 33-0613 EA 180W Zone Amplifier Module (Siemens ZAM-180).....	2,142.59	24.13
28 46 21 33-0614 EA Live Voice Module (Siemens LVM).....	910.17	24.13
Note: Includes a dynamic microphone with a push-to-talk switch and ready-to-page indicator light, as well as a small local speaker and volume control for monitoring audio signals.		
28 46 21 33-0615	MXL Series Equipment <small>(28 46 21 33-0544)</small>	
28 46 21 33-0616	MXL Optional Equipment <small>(28 46 21 33-0615)</small>	
28 46 21 33-0617 EA Two Circuit Analog Loop Driver (Siemens ALD-2I).....	1,061.24	48.25
28 46 21 33-0618 EA CXL/MXL Interface Module (Siemens CMI-300).....	2,686.38	24.13
28 46 21 33-0619 EA Four Relay Programmable Relay Module (Siemens CRM-4).....	472.42	24.13
28 46 21 33-0620 EA Two Circuit Controllable Signal/Releasing Module (Siemens CSM-4).....	567.47	24.13
28 46 21 33-0621 EA Remote Conventional Zone Module (Siemens CZM-1B6).....	222.19	24.13
28 46 21 33-0622 EA Short Circuit Line Isolator Module (Siemens Model LIM-1).....	142.65	24.13
28 46 21 33-0623 EA Four Circuit Conventional Zone Module (Siemens CZM-4).....	552.60	24.13
28 46 21 33-0624 EA 12" x 16" x 3" Enclosure For PAD-3 (Siemens EN-PAD).....	214.63	36.19
28 46 21 33-0625 EA Lexan Window For RCC (Siemens GENBOX-WD).....	142.70	19.30
28 46 21 33-0626 EA Input Driver Module (Siemens MID-16).....	367.02	24.13
28 46 21 33-0627 EA Programmable Output Driver Module (Siemens MOD-16).....	367.02	24.13
28 46 21 33-0628 EA MXL Output/Input Module (Siemens MOI-7).....	579.11	24.13
28 46 21 33-0629 EA Two Slot Network Option Module Card Cage (Siemens MOM-2).....	314.65	24.13
28 46 21 33-0630 EA Four Slot Network Option Module Card Cage (Siemens MOM-4).....	487.29	24.13
28 46 21 33-0631 EA 12 Amp, 220 VAC Power Supply For MXL (Siemens MPS-12/220).....	1,205.82	72.38
28 46 21 33-0632 EA 12 Amp, 240 VAC Power Supply For MXL (Siemens MPS-12/240).....	1,205.82	72.38
28 46 21 33-0633 EA Network Interface Module (Siemens NIM-1W).....	857.15	24.13
28 46 21 33-0634 EA U.L. Listed Parallel Printer (Siemens PAL-1).....	2,262.12	96.51
28 46 21 33-0635 EA Peripheral Interface Module, Model PIM-1 (Siemens 500-691324).....	260.98	24.13
28 46 21 33-0636 EA Surface Mounted Remote Command Center (Siemens RCC-1).....	2,688.20	482.51
28 46 21 33-0637 EA Enclosure And Door With Lens For RCC-1 (Siemens RCC-1DL).....	324.76	48.25
28 46 21 33-0638 EA Flush Mounted Remote Command Center (Siemens RCC-1F).....	2,688.20	482.51
28 46 21 33-0639 EA Enclosure And Door With Lens For RCC-1F (Siemens RCC-1FDL).....	332.52	48.25
28 46 21 33-0640 EA Remote Control Center With System Control Functions And Sequential Event Display (Siemens RCC-2).....	2,128.89	482.51
28 46 21 33-0641 EA MXL/MXLV Remote Annunciator/Keyboard With Enhanced Display (Siemens RCC-3).....	3,052.88	482.51
28 46 21 33-0642 EA RCC-2/RSE-1 Trim Ring (Siemens RCF-1).....	53.23	12.06
28 46 21 33-0643 EA Remote Diagnostics Module For MXL (Siemens RDM-MXL).....	3,458.83	48.25
28 46 21 33-0644 EA Remote Diagnostics Module For PC (Siemens RDM-PC).....	7,336.49	48.25
28 46 21 33-0645 EA Releasing End Of Line Module (Siemens REL-EOL).....	118.73	24.13
28 46 21 33-0646 EA 36 Zone Tabular Graphic Annunciator With Restart System Key (Siemens RSA-MBSC).....	2,215.42	48.25
28 46 21 33-0647 EA 36 Zone Tabular Graphic Annunciator (Siemens RSA-MBTL).....	2,116.49	48.25
28 46 21 33-0648 EA 8-3/8" x 6-1/4" Remote Control Enclosure (Siemens RSE-1).....	1,163.55	96.51
28 46 21 33-0649	Complete MXL And MXLV System Packages Without Enclosure <small>(28 46 21 33-0615)</small>	
28 46 21 33-0650 EA MXL System Electronics Package Including One MMB-3, One Display/Control Keyboard, One MDL-1, One MKB-2, One Mps-6, One MOM-2, One ALD-2I And One PIM-1 (Siemens MXL-SS-EP).....	8,556.39	482.51
Note: MMB-3 is a MXL/MXLV main control board. MDL-1 is a clear lens. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. MOM-2 is a two slot network option module card cage. ALD-2I is a two circuit analog loop driver. PIM-1 is a peripheral interface module.		
28 46 21 33-0651 EA MXL Voice System Electronics Package Including One MMB-3, One MKB-2, One MPS-6, One ACM-1, One TBM-2, One MMM-1, One OMM-2, One ZAC-30, One OCC-1, One MHD-5, One VSM-1 And Four VSB-1 (Siemens MXLV-SS-EP).....	10,979.84	482.51
Note: MMB-3 is a MXL/MXLV main control board. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. ACM-1 is an audio control module. TBM-2 is a voice terminal module. MMM-1 is a master microphone module. OMM-2 is a two half width slot card cage. ZAC-30 is a MXLV zone amplifier card. OCC-1 is a MXLV output control card. MHD-5 is a deadfront panel for MSE-2 backbox. VSM-1 is an eight switch module. VSB-1 is a module blank with overlay.		
28 46 21 33-0652 EA MXLV Demonstration Panel (Siemens MXLV DEMO).....	22,297.93	482.51
28 46 21 33-0653	MXL Basic System <small>(28 46 21 33-0615)</small>	
28 46 21 33-0654 EA MXL/MXLV Main Control Board (Siemens MMB-3).....	5,507.02	482.51
28 46 21 33-0655 EA MXL System Electronics Package Including One MMB-3, One DE-2 And One DPU (Siemens MMB-DPU-ENCL).....	6,954.76	482.51
Note: MMB-3 is a MXL/MXLV main control board. DE-2 is an enclosure for document storage. DPU is a handheld device programming and testing unit.		

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0656 EA MXL/MXLV Display/Keyboard Module With Hinged Frame (Siemens MKB-2)	1,872.72	48.25
28 46 21 33-0657 EA MXL/MXLV Keyboard With Enhanced Display With Hinged Frame (Siemens MKB-5)	2,339.57	48.25
28 46 21 33-0658 EA 6 Amp Power Supply For MXL (Siemens MPS-6)	843.08	72.38
28 46 21 33-0659 EA 220/240 VAC Adapter Cable (Siemens CIA-12)	66.16	12.06
28 46 21 33-0660 MXL/MXLV System Expansion Accessories (28 46 21 33-0615)		
28 46 21 33-0661 EA MXL Remote Power Supply Module (Siemens PSR-1)	1,026.07	72.38
28 46 21 33-0662 EA Style 4 Communication Module (Siemens NET-4)	215.72	24.13
28 46 21 33-0663 EA Style 7 Communication Module (Siemens NET-7)	381.90	24.13
28 46 21 33-0664 EA MXL/MXL-IQ/MXLV Intelligent Control Point, B6 Chip (Siemens ICP-B6)	234.47	24.13
28 46 21 33-0665 Peripheral Devices (28 46 21 33-0544)		
28 46 21 33-0666 Thermal Detectors (28 46 21 33-0665)		
28 46 21 33-0667 EA Rate Of Rise And 135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135R)	104.06	36.19
28 46 21 33-0668 EA Rate Of Rise And 200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200R)	104.06	36.19
28 46 21 33-0669 EA 135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135F)	104.06	36.19
28 46 21 33-0670 EA 200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200F)	104.06	36.19
28 46 21 33-0671 EA Weatherproof 135 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-135WP)	152.56	36.19
28 46 21 33-0672 EA Weatherproof 200 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-200WP)	152.56	36.19
28 46 21 33-0673 EA Explosion Proof 190 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-190EP)	348.48	36.19
28 46 21 33-0674 Beam Smoke Detector (28 46 21 33-0665)		
28 46 21 33-0675 EA Linear Beam Smoke Detector (Siemens PBA-1191)	1,591.29	36.19
28 46 21 33-0676 EA Base For Linear Beam Smoke Detector (Siemens PBB-1191)	184.49	12.06
28 46 21 33-0677 EA 20cm x 20cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1192)	186.43	12.06
28 46 21 33-0678 EA 10cm x 10cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1193)	98.49	12.06
28 46 21 33-0679 Bases For Detectors (28 46 21 33-0665)		
28 46 21 33-0680 EA Detector Base (Siemens DB-11)	33.83	12.06
28 46 21 33-0681 EA Universal Base (Siemens DB-3S)	31.89	12.06
28 46 21 33-0682 Manual Stations (28 46 21 33-0665)		
28 46 21 33-0683 EA Weatherproof Metal Manual Pull Station With Key (Siemens MSM-K-WP)	212.44	28.95
28 46 21 33-0684 Addressable Devices (28 46 21 33-0544)		
28 46 21 33-0685 Intelligent Detectors And Devices For Firefinder XLS And FS-250 (28 46 21 33-0684)		
28 46 21 33-0686 EA Addressable Fireprint Fire Detector (Siemens HFP-11)	183.60	36.19
28 46 21 33-0687 EA Addressable Thermal Fire Detector (Siemens HFPT-11)	160.96	36.19
28 46 21 33-0688 EA Relay Base For H-Series Intelligent Detectors (Siemens DB-HR)	134.45	36.19
28 46 21 33-0689 EA Ceiling Mounted Remote Alarm Indicator (Siemens RL-HC)	96.30	36.19
28 46 21 33-0690 EA Wall Mounted Remote Alarm Indicator (Siemens RL-HW)	96.30	36.19
28 46 21 33-0691 EA Addressable Single Action Manual Pull Station (Siemens HMS-S)	184.68	24.13
28 46 21 33-0692 EA Addressable Double Action Manual Pull Station (Siemens HMS-D)	176.92	24.13
28 46 21 33-0693 EA Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-S)	142.65	24.13
28 46 21 33-0694 EA Dual Input Intelligent Initiating Devices Interface Module (Siemens HTRI-D)	171.75	24.13
28 46 21 33-0695 EA Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens HTRI-R)	171.75	24.13
28 46 21 33-0696 EA Mini Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-M)	132.95	24.13
28 46 21 33-0697 EA Line Isolator Module (Siemens HLIM)	136.83	24.13
28 46 21 33-0698 EA Remote Convention Zone Module (Siemens HZM)	196.32	24.13
28 46 21 33-0699 EA Intelligent Control Point Module (Siemens HCP)	245.46	24.13
28 46 21 33-0700 EA Handheld Programming And Testing Unit (Siemens DPU)	1,032.83	
28 46 21 33-0701 EA DPU Carrying Case (Siemens DPU-C1)	161.90	
28 46 21 33-0702 EA Label Printer And Carrying Case (Siemens DPU-PRT)	1,770.79	24.13
28 46 21 33-0703 Air Duct Housings And Detectors (28 46 21 33-0684)		
28 46 21 33-0704 EA Air-Duct Housing (Siemens AD2-P)	198.31	19.30
28 46 21 33-0705 EA Air-Duct Housing With Relay (Siemens AD2-XHR)	222.88	19.30
28 46 21 33-0706 EA Weatherproof Enclosure For Duct Housing (Siemens WP-2000)	183.39	24.13
28 46 21 33-0707 EA 6" To 1' Duct Sampling Tube (Siemens ST-10)	27.41	7.23
28 46 21 33-0708 EA >1' To 3' Duct Sampling Tube (Siemens ST-25)	34.17	9.65
28 46 21 33-0709 EA >3' To 5' Duct Sampling Tube (Siemens ST-50)	42.88	12.06
28 46 21 33-0710 EA >5' To 10' Duct Sampling Tube (Siemens ST-100)	50.29	14.48
28 46 21 33-0711 Intelligent Initiating Devices For MXL, MXL-LQ And MXLV (28 46 21 33-0684)		
28 46 21 33-0712 EA Addressable Fireprint Fire Detector (Siemens FP-11)	190.71	36.19
28 46 21 33-0713 EA Addressable Thermal Fire Detector (Siemens FPT-11)	166.78	36.19
28 46 21 33-0714 EA Intelligent Ionization Smoke Detector (Siemens ILI-1)	208.81	36.19
28 46 21 33-0715 EA Addressable Single Action Manual Pull Station (Siemens MSI-10B)	180.16	24.13
28 46 21 33-0716 EA Addressable Double Action Manual Pull Station (Siemens MSI-20B)	197.61	24.13
28 46 21 33-0717 EA Single Input Intelligent Initiating Devices Interface Module (Siemens TRI-S)	182.10	24.13



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	28 46 21 33-0718	EA		Dual Input Intelligent Initiating Devices Interface Module (Siemens TRI-D).....	200.20	24.13
	28 46 21 33-0719	EA		Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens TRI-R).....	200.20	24.13
28 46 21 33-0720				Detector Universal Bases (28 46 21 33-0684)		
	28 46 21 33-0721	EA		Detector Base With Relay (Siemens DB-X11RS).....	85.56	12.06
	28 46 21 33-0722	EA		PE-11 To DB-3 Base Adapter (Siemens DB-ADPT).....	46.76	12.06
	28 46 21 33-0723	EA		Locking Kit (Siemens LK-11).....	10.17	
	28 46 21 33-0724	EA		Detector Base With Relay (Siemens DB-X3RS).....	85.56	12.06
	28 46 21 33-0725	EA		Audible Base For Addressable Fireprint Fire Detector (Siemens ADBX-11).....	98.49	12.06
	28 46 21 33-0726	EA		Retrofit Adapter Box For Audible Bases Ionization Detector Air Duct (Siemens ADB-BOX).....	44.82	12.06
	28 46 21 33-0727	EA		Flush Trim Ring For Bases (Siemens RA-ADB).....	22.24	7.23
	28 46 21 33-0728	EA		Seal For DB-11 (Siemens DB11-SEAL).....	11.72	
	28 46 21 33-0729	EA		Gasket For DB-11 (Siemens DB-SEAL).....	12.58	
	28 46 21 33-0730	EA		Detector Guard Housing (Siemens DGH-11).....	122.41	12.06
	28 46 21 33-0731	EA		Small Detector Base (Siemens DB-11E).....	36.42	12.06
	28 46 21 33-0732	EA		Audible Base For Series 3 (Siemens ADBI-60A).....	110.13	12.06
	28 46 21 33-0733	EA		Base Plug (Siemens DB-11-DP).....	10.14	
28 46 21 33-0734				Air Duct Smoke Detectors (28 46 21 33-0684)		
	28 46 21 33-0735	EA		Intelligent Remote Duct Relay Module (Siemens DA-X3SR).....	100.62	24.13
	28 46 21 33-0736	EA		Weatherproof Enclosure For Duct Housing (Siemens EAD-3).....	466.60	24.13
28 46 21 33-0737				Notification Devices (28 46 21 33-0544)		
28 46 21 33-0738				Synchronization Control Devices (28 46 21 33-0737)		
	28 46 21 33-0739	EA		Dual Synchronization Control Module (Siemens DSC).....	142.65	24.13
28 46 21 33-0740				Stand Alone Strobes (28 46 21 33-0737)		
	28 46 21 33-0741	EA		Wall Mounted Multi-Candela Strobe (Siemens ZR-MC-R).....	127.34	36.19
	28 46 21 33-0742	EA		Wall Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-R).....	137.04	36.19
	28 46 21 33-0743	EA		Ceiling Mounted Multi-Candela Strobe (Siemens ZR-MC-CR).....	127.34	36.19
	28 46 21 33-0744	EA		Ceiling Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-CR).....	137.04	36.19
	28 46 21 33-0745	EA		Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CW).....	137.04	36.19
	28 46 21 33-0746	EA		Ceiling Mounted Multi-Candela Strobe (Siemens ST-MC-CW).....	127.34	36.19
	28 46 21 33-0747	EA		Retrofit Plate Multi-Candela Strobe (Siemens ST-MC-RETRO-R).....	144.15	36.19
	28 46 21 33-0748	EA		Weatherproof Ceiling Mounted Strobe (Siemens ST-75-CR-WP).....	138.98	36.19
	28 46 21 33-0749	EA		Weatherproof Wall Mounted Strobe (Siemens ST-75-R-WP).....	138.98	36.19
	28 46 21 33-0750	EA		Weatherproof Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CR-WP).....	147.39	36.19
	28 46 21 33-0751	EA		Weatherproof Wall Mounted High Multi-Candela Strobe (Siemens ST-HMC-R-WP).....	147.39	36.19
28 46 21 33-0752				Horns And Strobes (28 46 21 33-0737)		
	28 46 21 33-0753	EA		Wall Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-R).....	165.49	36.19
	28 46 21 33-0754	EA		Wall Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-R).....	173.90	36.19
	28 46 21 33-0755	EA		Wall Mounted Horn (Siemens SE-R).....	104.06	36.19
	28 46 21 33-0756	EA		Ceiling Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-CR).....	165.49	36.19
	28 46 21 33-0757	EA		Ceiling Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-CR).....	173.90	36.19
	28 46 21 33-0758	EA		Ceiling Mounted Horn (Siemens SEC-R).....	107.94	36.19
	28 46 21 33-0759	EA		Wall Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-R).....	165.49	36.19
	28 46 21 33-0760	EA		Wall Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-R).....	173.90	36.19
	28 46 21 33-0761	EA		Wall Mounted Low Profile Horn (Siemens SEF-R).....	104.06	36.19
	28 46 21 33-0762	EA		Ceiling Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-CW).....	165.49	36.19
	28 46 21 33-0763	EA		Ceiling Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-CW).....	173.90	36.19
	28 46 21 33-0764	EA		Ceiling Mounted Low Profile Horn (Siemens SEF-CR).....	107.94	36.19
	28 46 21 33-0765	EA		Mini Horn (Siemens MH-R).....	89.84	36.19
	28 46 21 33-0766	EA		Indoor/Outdoor Multi Tone Horn (Siemens MTH-R).....	109.24	36.19
	28 46 21 33-0767	EA		Indoor/Outdoor Multi Tone, Multi-Candela Horn/Strobe (Siemens MTH-MC-R).....	157.08	36.19
	28 46 21 33-0768	EA		Industrial Tri-Tone Horn (Siemens ASR).....	411.84	36.19
	28 46 21 33-0769	EA		Wall Mounted Horn (Siemens HS-R).....	109.24	36.19
	28 46 21 33-0770	EA		Wall Mounted Multi-Candela Horn/Strobe (Siemens HS-MC-R).....	157.73	36.19
	28 46 21 33-0771	EA		Wall Mounted High Multi-Candela Horn/Strobe (Siemens HS-HMC-R).....	168.08	36.19
	28 46 21 33-0772	EA		6" Motor Bell (Siemens MBDC-6).....	122.17	36.19
	28 46 21 33-0773	EA		10" Motor Bell (Siemens MBDC-10).....	131.87	36.19
28 46 21 33-0774				Mounting Accessories (28 46 21 33-0737)		
	28 46 21 33-0775	EA		Concealed Conduit Adapter Plate (Siemens APS-R).....	31.89	12.06
	28 46 21 33-0776	EA		4" x 1-1/2" Surface Mounted Back Box (Siemens BBS-R).....	31.89	12.06
	28 46 21 33-0777	EA		4" x 2-1/8" Surface Mounted Back Box (Siemens DBBS-R).....	32.54	12.06
	28 46 21 33-0778	EA		Red Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX).....	48.05	12.06
	28 46 21 33-0779	EA		White Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX-W).....	39.65	12.06
	28 46 21 33-0780	EA		Surface Mounted Speaker Backbox (Siemens SBBS-R).....	41.59	12.06
	28 46 21 33-0781	EA		Surface Mounted Speaker Backbox (Siemens SBL2S-R).....	44.17	12.06
	28 46 21 33-0782	EA		Square Semi-Flush Extension Ring (Siemens SERS-R).....	36.42	12.06
	28 46 21 33-0783	EA		Semi-Flush Plate (Siemens SFPS-R).....	31.24	12.06
	28 46 21 33-0784	EA		Square Surface Backbox (Siemens SHBBS-R).....	36.42	12.06

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0785	EA		Horn Adapter Plate (Siemens SHMPS-R).....	35.12	12.06
28 46 21 33-0786	EA		Ceiling Speaker Extension Ring (Siemens SPEXT-R).....	31.89	12.06
28 46 21 33-0787	EA		Wall Mounted Surface Mounted Speaker Backbox (Siemens SPSB-R).....	39.65	12.06
28 46 21 33-0788	EA		Wall Mounted Surface Mounted Speaker/Strobe Backbox (Siemens SPSSB-R).....	41.59	12.06
28 46 21 33-0789	EA		Weatherproof Speaker Backbox (Siemens WBBS-R).....	40.29	12.06
28 46 21 33-0790	EA		Weatherproof Speaker Backbox With 3/4" Knockout (Siemens WBBS-R-3/4T-3/4B).....	44.17	12.06
28 46 21 33-0791	EA		Weatherproof Flush Plate (Siemens WFPAS-R).....	44.17	12.06
28 46 21 33-0792	EA		Weatherproof Horn Flush Plate (Siemens WFPS-R).....	44.17	12.06
28 46 21 33-0793	EA		Weatherproof Horn Backbox (Siemens WPBBS-R).....	41.59	12.06
28 46 21 33-0794	EA		Weatherproof Strobe Backbox (Siemens WPSBBS-R).....	41.59	12.06
28 46 21 33-0795	EA		Surface Mounted Weatherproof Backbox Kit (Siemens WPS-KIT).....	31.89	12.06
28 46 21 33-0796	EA		Z Series Backbox (Siemens ZBB-R).....	35.12	12.06
28 46 21 33-0797			Door Holders (28 46 21 33-0737)		
28 46 21 33-0798	EA		120 VAC Concealed Wiring Fire Door Holder (Siemens SDH-2A).....	239.20	36.19
28 46 21 33-0799	EA		24 VDC Concealed Wiring Fire Door Holder (Siemens SDH-2D).....	239.20	36.19
28 46 21 33-0800			Voice Equipment (28 46 21 33-0544)		
28 46 21 33-0801			Voicecom (28 46 21 33-0800)		
28 46 21 33-0802	EA		Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone And Enclosure With Deadfront And Space For Five Modules (Siemens VOICECOM).....	3,625.77	482.51
28 46 21 33-0803	EA		Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, Two 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone, Enclosure With Deadfront And Space For 11 Modules, Auxiliary Power Supply, Four PS-AUX Strobe Zone Cables And One AM-25-50 Speaker Zone Cables (Siemens VOICECOM-L).....	5,597.90	482.51
28 46 21 33-0804			Johnson Controls Fire Alarm (28 46 21 33)		
28 46 21 33-0805	EA		Intelligent Addressable ION Detector; With FlashScan. (Johnson Controls, Inc. #1951J).....	147.77	36.19
28 46 21 33-0806	EA		Intelligent Addressable Photo Detector; With FlashScan. (Johnson Controls, Inc. #2951J).....	146.37	36.19
28 46 21 33-0807	EA		Intelligent Addressable Photo/Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TJ).....	178.48	36.19
28 46 21 33-0808	EA		Acclimate™ Intelligent Photo Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TMJ).....	178.03	36.19
28 46 21 33-0809	EA		411UD, 4 Channel Dual. (Johnson Controls, Inc. #411UD).....	465.15	48.25
28 46 21 33-0810	EA		Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951HJ).....	140.61	36.19
28 46 21 33-0811	EA		Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951J).....	127.32	36.19
28 46 21 33-0812	EA		Intelligent Addressable Rate-of-Rise Thermal Detector; With FlashScan. (Johnson Controls, Inc. #5951RJ).....	124.51	36.19
28 46 21 33-0813	EA		Intelligent Addressable Laser Detector; Low Profile, Use With IFC Series Panels Only. (Johnson Controls, Inc. #7351J).....	341.08	36.19
28 46 21 33-0814	EA		100 Watt Audio Amplifier @ 70.7 VRMS With Built-in Tone Generator, 120 VAC. (Johnson Controls, Inc. #AA-100).....	1,609.65	72.38
28 46 21 33-0815	EA		AUDIO Amplifier, 100 Watt, 230 VAC (Johnson Controls, Inc. #AA-100E).....	1,560.66	72.38
28 46 21 33-0816	EA		120 Watt Audio Amplifier @ 25 VRMS With Built-in Tone Generator, 120 VAC (Johnson Controls, Inc. #AA-120).....	1,587.09	72.38
28 46 21 33-0817	EA		AUDIO Amplifier, 120 Watt, 230 VAC (Johnson Controls, Inc. #AA-120E).....	1,521.11	72.38
28 46 21 33-0818	EA		30 Watt Audio Amplifier @ 25 VRMS, 120 VAC (Johnson Controls, Inc. #AA-30).....	758.78	72.38
28 46 21 33-0819	EA		AUDIO Amplifier, 30 Watt, 230 VAC (Johnson Controls, Inc. #AA-30E).....	758.78	72.38
28 46 21 33-0820	EA		Annunciator Control Module With; 16 Red Alarm LED's, 16 Yellow Trouble LED's, And 16 Control Switches, On-line, System Trouble Led, And Local Sounder, Local Acknowledge And Lamp Test Switch, Supports 1, 2 Or 3 AEM-16AT Expander Modules. (Johnson Controls, Inc. #ACM-16AT).....	736.43	24.13
28 46 21 33-0821	EA		IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED, Trouble LED And Switch Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) By Point To Be Red, Green Or Yellow And The Trouble LED Is Always Yellow. Expandable With One, Two Or Three AEM-24AT's. (Johnson Controls, Inc. #ACM-24AT).....	765.52	24.13
28 46 21 33-0822	EA		Annunciator Control Module; Includes 32 Red Alarm LED's, System Trouble LED And On-line LED, Local Acknowledge, Lamp Test Switch, And Local Piezo Sounder, Supports One AEM-32A Expander Module. (Johnson Controls, Inc. #ACM-32A).....	565.38	24.13
28 46 21 33-0823	EA		IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) In Groups Of 24 To Be Red, Green Or Yellow. Expandable To 96 Points With One AEM-48A. (Johnson Controls, Inc. #ACM-48A).....	565.38	24.13
28 46 21 33-0824	EA		Annunciator, Relay, Form C. (Johnson Controls, Inc. #ACM-8R).....	402.24	24.13
28 46 21 33-0825	EA		Charger Power Supply - 6 Or 10 Amps; Mounts In CAB-PS1, CAB-3/4, EQ Cabx, BB-25, Or CHS-PS1; Comes With The PK-PPS Programming Utility. Windows® PC And USB Cable Required For Programming. (Johnson Controls, Inc. #ACPS-610).....	1,283.03	48.25
28 46 21 33-0826	EA		Annunciator Expander Module With; 16 Red Alarm LED's, 16 Yellow Trouble LED's, 16 Control Switches, Cable For Connection To The ACM-16AT Master. (Johnson Controls, Inc. #AEM-16AT).....	565.38	24.13
28 46 21 33-0827	EA		Annunciator Expander Module; 24 Alarm And Trouble LEDs, Expands The ACM-24AT To 48, 72 Or 96 Points. (Johnson Controls, Inc. #AEM-24AT).....	587.24	24.13
28 46 21 33-0828	EA		Annunciator Expander Module With; 32 Red Alarm LED's, Cable For Connection To The ACM-32A Master. (Johnson Controls, Inc. #AEM-32A).....	508.02	24.13
28 46 21 33-0829	EA		Annunciator Expander Module; 48 Alarm LEDs, Expands The ACM-48A To 96 Points. (Johnson Controls, Inc. #AEM-48A).....	508.02	24.13
28 46 21 33-0830	EA		Back Box, Flush Or Surface Mount; Requires A Door And Telephone Chassis. (Johnson Controls, Inc. #AFAWS-BX).....	93.85	21.71
28 46 21 33-0831	EA		Receiver, Multimode Fiber. (Johnson Controls, Inc. #AFL-RM).....	782.72	48.25
28 46 21 33-0832	EA		Receiver, Singlemode Fiber. (Johnson Controls, Inc. #AFL-RS).....	1,678.53	48.25
28 46 21 33-0833	EA		Transmit, Multimode Fiber. (Johnson Controls, Inc. #AFL-TM).....	782.72	48.25
28 46 21 33-0834	EA		Transmit, Singlemode Fiber. (Johnson Controls, Inc. #AFL-TS).....	1,678.53	48.25
28 46 21 33-0835	EA		Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B110LP).....	35.99	12.06
28 46 21 33-0836	EA		Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224BI).....	87.03	12.06
28 46 21 33-0837	EA		Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224RB).....	82.41	12.06



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0838	EA			Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B401)	37.96	12.06
28 46 21 33-0839	EA			Intelligent Detector Base, Without Flange. (Johnson Controls, Inc. #B501J).....	34.69	12.06
28 46 21 33-0840	EA			Battery Cabinet, Lockable. (Johnson Controls, Inc. #BB-100).....	577.10	48.25
28 46 21 33-0841	EA			Projected Beam Smoke Detector, Single-ended Reflected Type, Includes Trouble Relay, Transmitter/Receiver In One Unit. (Johnson Controls, Inc. #Beam1224)	1,331.27	72.38
28 46 21 33-0842	EA			Same As Beam1224 With Built-in Sensitivity Test Filter. (Johnson Controls, Inc. #Beam1224S)	1,405.43	72.38
28 46 21 33-0843	EA			Mounting Kit, Long RG, Beam. (Johnson Controls, Inc. #BeamLRK)	157.62	12.06
28 46 21 33-0844	EA			Mounting Kit, Beam Detect. (Johnson Controls, Inc. #BeamMMK).....	108.18	12.06
28 46 21 33-0845	EA			Digital Audio Amplifier, 50 Watt, 25 VRMS (Johnson Controls, Inc. #DAA-5025).....	1,332.36	72.38
28 46 21 33-0846	EA			Digital Audio Amplifier, 50 Watt, 25 VRMS, Multi-Fiber (Johnson Controls, Inc. #DAA-5025F).....	1,232.39	72.38
28 46 21 33-0847	EA			Digital Audio Amplifier, 50 Watt, 25 VRMS, Single-Fiber (Johnson Controls, Inc. #DAA-5025SF)	1,232.39	72.38
28 46 21 33-0848	EA			Digital Audio Amplifier, 50 Watt, 70 VRMS (Johnson Controls, Inc. #DAA-5070).....	1,440.34	72.38
28 46 21 33-0849	EA			Amplifier, Digital Audio. (Johnson Controls, Inc. #DAA-5070E).....	1,331.27	72.38
28 46 21 33-0850	EA			Digital Audio Amplifier, 50 Watt, 70 VRMS, Multi-Fiber (Johnson Controls, Inc. #DAA-5070F).....	1,331.27	72.38
28 46 21 33-0851	EA			Digital Audio Amplifier, 50 Watt, 70 VRMS, Single-Fiber (Johnson Controls, Inc. #DAA-5070SF)	1,331.27	72.38
28 46 21 33-0852	EA			Digital Audio Amplifier, 75 Watt, 25 VRMS (Johnson Controls, Inc. #DAA-7525).....	1,585.52	72.38
28 46 21 33-0853	EA			Digital Audio Amplifier, 75 Watt, 25 VRMS, Multi Fiber (Johnson Controls, Inc. #DAA-7525F).....	1,585.52	72.38
28 46 21 33-0854	EA			Digital Audio Amplifier, 75 Watt, 25 VRMS, Single Fiber (Johnson Controls, Inc. #DAA-7525SF)	1,585.52	72.38
28 46 21 33-0855	EA			Innovairflex Intelligent. (Johnson Controls, Inc. #DNR)	172.90	24.13
28 46 21 33-0856	EA			Innovairflex Duct Detect. (Johnson Controls, Inc. #DNRW).....	259.36	24.13
28 46 21 33-0857	EA			Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1).....	27.18	9.65
28 46 21 33-0858	EA			Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1.5).....	29.21	9.65
28 46 21 33-0859	EA			Innovairflex Sample Tube. (Johnson Controls, Inc. #DST10).....	66.98	14.48
28 46 21 33-0860	EA			Innovairflex Sample Tube. (Johnson Controls, Inc. #DST3).....	33.77	9.65
28 46 21 33-0861	EA			Innovairflex Sample Tube. (Johnson Controls, Inc. #DST5).....	41.77	12.06
28 46 21 33-0862	EA			Digital Voice Command, Analog Output. (Johnson Controls, Inc. #DVC-AO).....	260.82	24.13
28 46 21 33-0863	EA			Digital Voice Command, Keypad. (Johnson Controls, Inc. #DVC-KD).....	437.64	48.25
28 46 21 33-0864	EA			Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or AMPS-24; B Size, Black. (Johnson Controls, Inc. #EQBB-B4).....	379.25	72.38
28 46 21 33-0865	EA			Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or AMPS-24; C Size, Black. (Johnson Controls, Inc. #EQBB-C4)	512.40	72.38
28 46 21 33-0866	EA			Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or AMPS-24; D Size, Black. (Johnson Controls, Inc. #EQBB-D4).....	556.89	72.38
28 46 21 33-0867	EA			Equipment Cabinet Door; B Size Black. (Johnson Controls, Inc. #EQDR-B4).....	280.62	9.65
28 46 21 33-0868	EA			Equipment Cabinet Door; C Size Black. (Johnson Controls, Inc. #EQDR-C4).....	420.72	9.65
28 46 21 33-0869	EA			Equipment Cabinet Door; D Size Black. (Johnson Controls, Inc. #EQDR-D4).....	461.93	9.65
28 46 21 33-0870	EA			6.0 Amps, 120 VAC Remote Charger Power Supply. Includes Main Printed Circuit Board, Transformers And Installation Instructions (Johnson Controls, Inc. #FCPS-24S6).....	767.27	96.51
28 46 21 33-0871	EA			8.0 Amps, 120 VAC Remote Charger Power Supply. Includes Main Printed Circuit Board, Transformers And Installation Instructions (Johnson Controls, Inc. #FCPS-24S8).....	772.08	96.51
28 46 21 33-0872	EA			80 Character Display Annunciator. "Security Keypad" Mechanical Design. For Use With The IFC-320, JCPU2-640, JCPU-640 And IFC-400/300 (Rev 3.62+) Only. (Johnson Controls, Inc. #FDU-80G).....	723.19	72.38
28 46 21 33-0873	EA			Fireman's Telephone Hand Set. (Johnson Controls, Inc. #FHS).....	132.90	12.06
28 46 21 33-0874	EA			Fire Phone Storage Cabinet, Recessed, Holds 6 Phones. (Johnson Controls, Inc. #FHSC-R).....	371.58	24.13
28 46 21 33-0875	EA			Door Holder, Magnetic, Floor. (Johnson Controls, Inc. #FM980).....	207.75	36.19
28 46 21 33-0876	EA			Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM996).....	172.69	36.19
28 46 21 33-0877	EA			Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM998).....	180.66	36.19
28 46 21 33-0878	EA			Addressable Beam Detector. (Johnson Controls, Inc. #FSB-200).....	1,344.01	48.25
28 46 21 33-0879	EA			Addressable Beam Detector With Remote Test Feature. (Johnson Controls, Inc. #FSB-200S).....	1,636.64	48.25
28 46 21 33-0880	EA			Intelligent Addressable HARSH (Hostile Area Smoke Head) Detector; Photo, Requires B501B-FTXJ Base. (Johnson Controls, Inc. #FTX-P2J)	499.06	24.13
28 46 21 33-0881	EA			IFC-320 Intelligent Fire Alarm Panel; Single Printed Circuit Board With One SLC Loop (318 Devices), Back-lit, 80 Character Display, System And Programming Keypad And 6.0 Amp Power Supply, 120 VAC, Includes Door, Dress Panel And Back Box, Black (Johnson Controls, Inc. #IFC-320).....	3,503.27	386.00
28 46 21 33-0882	EA			Upgrade Kit, ORG BLD. 640. (Johnson Controls, Inc. #IFC-640UG).....	1,650.85	48.25
28 46 21 33-0883	EA			Workstation Only Workstation GUI Software And Hardware Package. (Johnson Controls, Inc. #IFI).....	22,091.31	579.01
28 46 21 33-0884	EA			Workstation With NFN Fiber PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-F) Fiber Version. (Johnson Controls, Inc. #IFI-F).....	24,068.84	579.01
28 46 21 33-0885	EA			Workstation With Echelon Wire PC Card Workstation GUI Software And Hardware Package For Building Systems Integration, WSSUP Workstation Supervisor. Includes Echelon® Gateway (ECH-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-IP).....	27,035.13	579.01
28 46 21 33-0886	EA			Workstation With NFN Wire PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-W).....	24,068.84	579.01
28 46 21 33-0887	EA			Annunciator Flush Box. Mounts One Annunciator Module. (Johnson Controls, Inc. #JABF-1B).....	165.40	14.48
28 46 21 33-0888	EA			Annunciator Flush Box. One Module. Attractive Glass Door And Key Lock. (Johnson Controls, Inc. #JABF-1DB).....	185.18	14.48
28 46 21 33-0889	EA			Annunciator Flush Box. Mounts Two Annunciator Modules. (Johnson Controls, Inc. #JABF-2B).....	201.00	14.48
28 46 21 33-0890	EA			Annunciator Flush Box. Mounts Four Annunciator Modules. (Johnson Controls, Inc. #JABF-4B).....	369.09	14.48
28 46 21 33-0891	EA			Annunciator Surface Box. Deep With Trim Cover. (Johnson Controls, Inc. #JABS-1TB).....	122.13	9.65
28 46 21 33-0892	EA			Surface (or Semi-flush) Mount Backbox. Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Black. (Johnson Controls, Inc. #JABS-2D).....	194.04	21.71
28 46 21 33-0893	EA			Surface (or Semi-flush) Mount Backbox. Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Red. (Johnson Controls, Inc. #JABS-2DR).....	205.38	21.71
28 46 21 33-0894	EA			Surface (or Semi-flush) Mount INA, ACS, Or SCS Backbox, Black. (Johnson Controls, Inc. #JABS-4D).....	367.73	21.71
28 46 21 33-0895	EA			Audio Command Door For CAB-B4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-B4).....	360.43	9.65
28 46 21 33-0896	EA			Audio Command Door For CAB-C4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-C4).....	484.03	9.65
28 46 21 33-0897	EA			Audio Command Door For CAB-D4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-D4).....	597.74	9.65
28 46 21 33-0898	EA			Addressable Pull Station; With FlashScan. (Johnson Controls, Inc. #JBG-12LX).....	179.43	24.13
28 46 21 33-0899	EA			Battery Dress Panel For CAB-4 Series; For Use With The JCPU2-3030, JCPU2-640, JNCA-2, And DVC Systems. (Johnson Controls, Inc. #JBP-2-4).....	82.89	9.65



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0900 EA JCPU2-3030 CPU With 640-character Display; Required For Single Panel (One CPU2-3030) Systems. Includes: CPU, 640-Character Backlit LCD Display, QWERTY Programming And Control Keypad, Installation, Programming And Operating Manuals. Supports One To 10 Signaling Line Circuits (Up To Five LCM-320 And Five LEM-320). Order One Per System Or As Necessary (Up To 103 Network Nodes) For A Networked System. Requires Top Row Of A Cabinet. (Johnson Controls, Inc. #JCPU2-3030D).....	3,495.79	386.00
28 46 21 33-0901 EA Central Processing Unit For The JCPU2-640 With Integral 120 VAC Power Supply, Includes CHS2-M2 Chassis (Johnson Controls, Inc. #JCPU2-640).....	2,529.45	289.51
28 46 21 33-0902 EA Main Board, CPU, IFC3030, DI. (Johnson Controls, Inc. #JCPU-3030D).....	4,477.44	386.00
28 46 21 33-0903 EA Main Board, CPU, IFC640. (Johnson Controls, Inc. #JCPU-640).....	4,257.29	289.51
28 46 21 33-0904 EA Main Board, CPU, IFC640, EUR. (Johnson Controls, Inc. #JCPU-640E).....	3,110.53	289.51
28 46 21 33-0905 EA Digital Voice Command, Extended Memory. (Johnson Controls, Inc. #JDVC-EM).....	1,637.90	36.19
28 46 21 33-0906 EA Digital Voice Command, Extended Memory, Multi-Fiber. (Johnson Controls, Inc. #JDVC-EMF).....	1,654.40	36.19
28 46 21 33-0907 EA Digital Voice Command, Extended Memory, Single-Fiber. (Johnson Controls, Inc. #JDVC-EMSF).....	1,654.40	36.19
28 46 21 33-0908 EA Annunciator, Network Control. (Johnson Controls, Inc. #JNCA).....	1,960.84	48.25
28 46 21 33-0909 EA Network Control Annunciator-2, 640-characters; On Single Panel (one JCPU2-640) JCPU2-640 Systems, The JNCA-2 Can Be The Primary Display For The Panel And Connects Directly To The JCPU2-640. On Network Systems (Two Or More JCPU2-640's), One Network Display (Either JNCA-2 Or IFW) Is Required For Every System And Each JNCA-2 Connects To And Requires An NCM Network Control Module. Mounts In A Row Of FACP Node Or In Two Annunciator Module Positions. Mounting Options Include: NCA/640-2-Kit (directly Mounting To The CHS2-M2), CA-2, ADP-4B, Or In An Annunciator Box, Such As The ABS-2DB (requires The CHS-2D). (Johnson Controls, Inc. #JNCA-2).....	1,665.68	48.25
28 46 21 33-0910 EA Mass Notification Voice Paging; Requires JNOTIFY-PAA Hardware Package (Sold Separately). (Johnson Controls, Inc. #JNOTIFY-IP).....	1,567.78	289.51
28 46 21 33-0911 EA 160 Character Display Annunciator; For Use With JCPU-3030 And JCPU2-3030. (Johnson Controls, Inc. #LCD-160).....	1,190.70	48.25
28 46 21 33-0912 EA 80 Character LCD Annunciator. Mounts In ABS-1T, ABF-1D, ABF-2D, Or Flush Back Box. (Johnson Controls, Inc. #LCD-80).....	984.00	48.25
28 46 21 33-0913 EA Loop Control Module. Each LCM May Be Expanded To Two Loops By Adding A LEM-320. IFC2- 3030 And IFC-3030 Only. (Johnson Controls, Inc. #LCM-320).....	1,568.17	48.25
28 46 21 33-0914 EA Lamp Driver Annunciator Control Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-32).....	483.90	12.06
28 46 21 33-0915 EA Cable 24": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL24).....	158.70	9.65
28 46 21 33-0916 EA Cable 48": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL48).....	194.30	9.65
28 46 21 33-0917 EA Lamp Driver Annunciator Expander Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-E32).....	390.97	12.06
28 46 21 33-0918 EA Relay Module. 32 Form-A Contacts. Connects To LDM-32 Or LDM-E32. (Johnson Controls, Inc. #LDM-R32).....	712.31	12.06
28 46 21 33-0919 EA Loop Expander Module. Mounts As Daughter Board To LCM-320 To Provide Even Numbered SLC Loops. (Johnson Controls, Inc. #LEM-320).....	1,285.56	12.06
28 46 21 33-0920 EA Addressable Control Module With FlashScan; Configured For One Class A Or Class B NAC. (Johnson Controls, Inc. #M300CJ).....	106.58	12.06
28 46 21 33-0921 EA Addressable Dual Monitor Module; With FlashScan, Two Class B Circuits. (Johnson Controls, Inc. #M300DJ).....	166.10	12.06
28 46 21 33-0922 EA Addressable Monitor Module; With FlashScan; Supervises Either A Class A Or Class B Circuit Of N.D. Dry-contact Input Devices. (Johnson Controls, Inc. #M300MJ).....	85.02	12.06
28 46 21 33-0923 EA Addressable Relay Module With FlashScan; Provides Two Form-C Dry Contacts That Switch Together. (Johnson Controls, Inc. #M300RJ).....	116.77	12.06
28 46 21 33-0924 EA Addressable Mini Module With FlashScan; Supervises A Class B Circuit Of N.D. Dry-contact Devices. (Johnson Controls, Inc. #M301MJ).....	93.35	12.06
28 46 21 33-0925 EA Addressable 2-Wire Detector Monitor Module; With FlashScan. (Johnson Controls, Inc. #M302MJ).....	148.27	12.06
28 46 21 33-0926 EA Addressable Firephone Control Module With Flashscan. (Johnson Controls, Inc. #M500FPJ).....	168.21	12.06
28 46 21 33-0927 EA SLC Loop Isolator Module; Isolates Against Short Circuits On The SLC. (Johnson Controls, Inc. #M500XJ).....	97.60	12.06
28 46 21 33-0928 EA Network INTFC, P2P, Wire. (Johnson Controls, Inc. #MIB-W).....	1,369.64	36.19
28 46 21 33-0929 EA Network Adapter, Fiber. (Johnson Controls, Inc. #NAM-232F).....	1,213.99	24.13
28 46 21 33-0930 EA Network Adapter, Wire. (Johnson Controls, Inc. #NAM-232W).....	1,123.03	24.13
28 46 21 33-0931 EA Plate, Retrofit, NCA-2. (Johnson Controls, Inc. #NCA-2RETRO).....	44.26	4.83
28 46 21 33-0932 EA Network Control Module - Multi Mode Fiber; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, Etc). (Johnson Controls, Inc. #NCM-F).....	984.02	24.13
28 46 21 33-0933 EA Network Control Module - Wire; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, Etc). (Johnson Controls, Inc. #NCM-W).....	937.62	24.13
28 46 21 33-0934 EA NFV-25/50. (Johnson Controls, Inc. #NFV-25/50).....	2,386.83	48.25
28 46 21 33-0935 EA NU-RPT101-1U RS485. (Johnson Controls, Inc. #NU-RPT101-1U).....	668.61	24.13
28 46 21 33-0936 EA Key Switch, Remote Control. (Johnson Controls, Inc. #RKS-S).....	184.41	9.65
28 46 21 33-0937 EA Microphone Assembly For Mounting To An ADP-4 Dress Panel. (Johnson Controls, Inc. #RM-1).....	426.95	24.13
28 46 21 33-0938 EA Microphone Assembly For Mounting In An CAB-RM Cabinet. (Johnson Controls, Inc. #RM-1SA).....	426.95	24.13
28 46 21 33-0939 EA Remote Page Jack. Allows Remote All-Call Paging. (Johnson Controls, Inc. #RPJ-1).....	116.21	9.65
28 46 21 33-0940 EA SA-WBB, Weatherproof. (Johnson Controls, Inc. #SA-WBB).....	32.01	4.83
28 46 21 33-0941 EA SA-WBBC, Weatherproof. (Johnson Controls, Inc. #SA-WBBC).....	32.01	4.83
28 46 21 33-0942 EA Strobe, Standard, 12/24 VDC, Red (Johnson Controls, Inc. #SCR).....	131.72	36.19
28 46 21 33-0943 EA Strobe, HI, 12/24 VDC, Red (Johnson Controls, Inc. #SCRH).....	145.55	36.19
28 46 21 33-0944 EA Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SCRHK).....	171.02	41.01
28 46 21 33-0945 EA Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SCRK).....	169.03	41.01
28 46 21 33-0946 EA Smoke Control Master; Includes Eight On/off/auto Switches. Supports One SCE-8. Includes Manual, Slide-in Labels. Mounts In ADP-4 Or ABS-4D. (Johnson Controls, Inc. #SCS-8).....	1,042.35	96.51
28 46 21 33-0947 EA Smoke Control Lamp Driver. Outputs For 8 On/off/auto Switches With LED's. Intended For Custom Built Smoke Control Stations. Support One SCE-8L. (Johnson Controls, Inc. #SCS-8L).....	824.82	96.51
28 46 21 33-0948 EA Strobe, Standard, 12/24 VDC, White (Johnson Controls, Inc. #SCW).....	131.72	36.19
28 46 21 33-0949 EA Strobe, HI, 12/24 VDC, Red (Johnson Controls, Inc. #SCWH).....	145.55	36.19
28 46 21 33-0950 EA Strobe, Standard, 12/24 VDC, White (Johnson Controls, Inc. #SCW-P).....	131.72	36.19
28 46 21 33-0951 EA Mounting Kit, M300/M500. (Johnson Controls, Inc. #SMB500).....	25.58	9.65
28 46 21 33-0952 EA SMK-MOV Kit-LON. (Johnson Controls, Inc. #SMK-MOVKit-LON).....	25.52	4.83
28 46 21 33-0953 EA SMK-MOV Kit-MSTP. (Johnson Controls, Inc. #SMK-MOVKit-MSTP).....	28.70	4.83
28 46 21 33-0954 EA SPBBS, Wall, Back Box. (Johnson Controls, Inc. #SPBBS).....	25.54	4.83
28 46 21 33-0955 EA Strobe, Standard, 12/24 VDC, Red (Johnson Controls, Inc. #SR).....	122.17	36.19
28 46 21 33-0956 EA Strobe, HI, 12/24 VDC, Red (Johnson Controls, Inc. #SRH).....	145.55	36.19



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0957	EA			Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SRHK)	171.02	41.01
28 46 21 33-0958	EA			Strobe, HI, 12/24 VDC, Red (Johnson Controls, Inc. #SRH-P).....	145.55	36.19
28 46 21 33-0959	EA			Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SRK)	169.03	41.01
28 46 21 33-0960	EA			Strobe, Standard, 12/24 VDC, Red (Johnson Controls, Inc. #SR-P)	131.72	36.19
28 46 21 33-0961	EA			Strobe, Standard, 12/24 VDC, White (Johnson Controls, Inc. #SW)	131.72	36.19
28 46 21 33-0962	EA			Strobe, HI, 12/24 VDC, White (Johnson Controls, Inc. #SWH).....	145.55	36.19
28 46 21 33-0963	EA			Strobe, HI, 12/24 VDC, White (Johnson Controls, Inc. #SWH-P)	145.55	36.19
28 46 21 33-0964	EA			Strobe, Standard, 12/24 VDC, White (Johnson Controls, Inc. #SW-P)	131.72	36.19
28 46 21 33-0965	EA			Firefighter's Telephone Handset Only. (Johnson Controls, Inc. #TELH-1).....	161.56	12.06
28 46 21 33-0966	EA			Universal Digital Alarm Communicator Transmitter. (Johnson Controls, Inc. #UDACT).....	710.27	48.25
28 46 21 33-0967	EA			Speaker Strobe, Ceiling, White, 2 W (MAX), Dual Voltage, Multi (Johnson Controls, Inc. #SPSCW)	192.32	48.25
28 46 21 33-0968	EA			Speaker, White, Ceiling Mount. (Johnson Controls, Inc. #SPCW).....	84.13	24.13
28 46 21 33-0969	EA			Speaker, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPCWV)	84.13	24.13
28 46 21 33-0970	EA			Speaker Strobe, Red, Ceiling Mount, Standard Candela. (Johnson Controls, Inc. #SPSCR)	144.06	24.13
28 46 21 33-0971	EA			Speaker Strobe, Red, Ceiling Mount, High Candela. (Johnson Controls, Inc. #SPSCRH)	155.53	24.13
28 46 21 33-0972	EA			Speaker Strobe, Red, Ceiling Mount, High Candela, High Db. (Johnson Controls, Inc. #SPSCRH).....	155.53	24.13
28 46 21 33-0973	EA			Speaker Strobe, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPSCWV).....	139.51	24.13
28 46 21 33-0974	EA			Speaker Strobe Wall, WP, White, 2W (MAX), Dual Volt, Multi D (Johnson Controls, Inc. #SPSWK)	185.41	24.13
28 46 21 33-0975	EA			Speaker Strobe, Wall, White, Standard Candela. (Johnson Controls, Inc. #SPSW).....	144.06	24.13
28 46 21 33-0976	EA			Wall Mount Speaker, White. (Johnson Controls, Inc. #SPW)	84.13	24.13
28 46 21 33-0977	EA			Wall Mount Speaker, Red. (Johnson Controls, Inc. #SPR).....	84.13	24.13
28 46 21 33-0978	EA			Speaker Strobe, Wall, White, High Cd. (Johnson Controls, Inc. #SPSWH).....	155.53	24.13
28 46 21 33-0979	EA			Speaker Strobe, Wall, Red, High Cd. (Johnson Controls, Inc. #SPSR).....	144.06	24.13
28 46 21 33-0980	EA			Speaker Strobe, Wall, Red, High Db, High Candela. (Johnson Controls, Inc. #SPSRV).....	144.06	24.13
28 46 21 33-0981				Honeywell Fire Alarm (28 46 21 33)		
28 46 21 33-0982				Notifier Fire Alarm (28 46 21 33-0981)		
28 46 21 33-0983				Fire Alarm Control Panel And Accessories (28 46 21 33-0982)		
28 46 21 33-0984	EA			NFS2-3030 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-3030D)	4,264.81	482.51
28 46 21 33-0985	EA			NFS2-640 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-640).....	3,588.00	482.51
28 46 21 33-0986	EA			Black, 120 VAC, Intelligent Fire Alarm Control Panel (Notifier NFS-320)	4,256.84	482.51
28 46 21 33-0987	EA			Supports Installation Of Optional ACM-Series Annunciator In Same Cabinet, Black, 120 VAC, Intelligent Fire Alarm Control Panel (Notifier NFS-320C).....	4,382.58	482.51
28 46 21 33-0988	EA			Black, 240 VAC, Intelligent Fire Alarm Control Panel (Notifier NFS-320E).....	4,276.41	482.51
28 46 21 33-0989	EA			Red, 120 VAC, Intelligent Fire Alarm Control Panel (Notifier NFS-320R).....	4,276.41	482.51
28 46 21 33-0990	EA			Two-Tone Sequential Module (Notifier 2TTM).....	217.76	24.13
28 46 21 33-0991	EA			5', Not Low Loss, Antenna Cable (Notifier 7626-5C)	64.96	4.83
28 46 21 33-0992	EA			25', Low Loss, Antenna Cable (Notifier 7626-25HC)	126.36	9.65
28 46 21 33-0993	EA			50', Low Loss, Antenna Cable (Notifier 7626-50HC)	192.22	14.48
28 46 21 33-0994	EA			IPGSM-COM, IPGSM-COMa Handheld Programmer (Notifier 7720P)	299.77	
28 46 21 33-0995	EA			RJ45-DB9F Serial Programming Cable (Notifier ALMSC-119).....	42.82	
28 46 21 33-0996	EA			120VAC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYS)	4,189.87	482.51
28 46 21 33-0997	EA			240VAC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYSE)	4,189.87	482.51
28 46 21 33-0998	EA			3 dB Gain External/Remote Antenna (Notifier GSM-ANT3dB)	162.21	4.83
28 46 21 33-0999	EA			Plug In Transformer Box For IPGSM Communicator (Notifier HPTCOVER)	49.80	4.83
28 46 21 33-1000	EA			Mounting Bracket Kit For SFB-5UD, SFB-10UD, NFW2-100 And NFW-50 (Notifier IPBRKT)	63.91	9.65
28 46 21 33-1001	EA			Chassis To Mount IP Communicator In CHSA Series Chassis (Notifier IPCHSKIT)	72.31	12.06
28 46 21 33-1002	EA			IP Communicator (Notifier IPDACT-2)	544.29	24.13
28 46 21 33-1003	EA			IP Communicator With Upload/Download Capability (Notifier IPDACT-2UD).....	633.51	24.13
28 46 21 33-1004	EA			Red, IP Communicator External Mounting Enclosure (Notifier IPENC)	147.28	24.13
				Note: Includes IPBRKT.		
28 46 21 33-1005	EA			Black, IP Communicator External Mounting Enclosure (Notifier IPENC-B).....	147.28	24.13
				Note: Includes IPBRKT		
28 46 21 33-1006	EA			Single Or Dual Path Commercial Fire Communicator (Notifier IPGSM-4G).....	759.34	36.19
28 46 21 33-1007	EA			Dual 8TPC To Single 8TPC "Y" Splitter With Two 9" Cables For Combining Panel Phone Jacks To One IPDACT Input (Notifier IPSPLT)	38.93	9.65
28 46 21 33-1008	EA			Loop Control Module (Notifier LCM-320)	1,431.55	48.25
28 46 21 33-1009	EA			Loop Expander Module (Notifier LEM-320).....	1,242.22	48.25
28 46 21 33-1010	EA			Keyboard Display Module For CPU2-640 (Notifier KDM-R2).....	1,090.94	48.25
28 46 21 33-1011	EA			7' DACT Phone Cord (Notifier MCBL-7)	18.57	
28 46 21 33-1012	EA			Backbox For UDACT, With Viewing Window And Optional Relay Mount (Notifier UBS-1).....	136.54	12.06
28 46 21 33-1013	EA			Red, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1R)	160.66	24.13
28 46 21 33-1014	EA			Black, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1B).....	160.66	24.13
28 46 21 33-1015	EA			Universal Digital Alarm Communicator Transmitter (Notifier UDACT-2).....	605.85	24.13
28 46 21 33-1016	EA			Universal Zone Coder (Notifier UZC-256).....	815.51	24.13
28 46 21 33-1017	EA			Hardware Kit To Connect UZC-256 To A PC (Notifier UZC-HI).....	246.96	
				Note: Includes null modem cable, AC power adapter, and 9-pin to 25-pin converter.		
28 46 21 33-1018	EA			Programming Software For ONYX Series Products, DVC And Associated Amplifiers, DVC-RPU And UDACT-2 (Notifier VERIFIRE-TCD).....	564.14	
28 46 21 33-1019	EA			ONYX Series Verifire Tools Upgrade (Notifier VERIFIREUG-TCD).....	378.57	
28 46 21 33-1020	EA			Central Station Receiver For Fire And Security (Notifier VISORALARM-PLUS).....	3,798.33	14.48
28 46 21 33-1021				ONYX Cabinets (28 46 21 33-0982)		
28 46 21 33-1022	EA			Red, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4R)	351.55	12.06
28 46 21 33-1023	EA			Red, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4R)	469.32	12.06
28 46 21 33-1024	EA			Red, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4R)	578.16	12.06
28 46 21 33-1025	EA			Battery Dress Plate For NFS-640 And NFS-3030 (Notifier BP-4).....	88.72	14.48
28 46 21 33-1026	EA			Chassis Bridge (Notifier CB-1).....	77.66	12.06

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 46 21 33-1027	EA	Four Position Chassis (Notifier CHS-4).....	130.30	12.06
28 46 21 33-1028	EA	Low Profile 1st Row Chassis Assembly For CPU-640 / CPU-640E (Notifier CHS-M2).....	152.65	24.13
28 46 21 33-1029	EA	Black, Dress Panel Blank, Covers Unused Cabinet Row(s) (Notifier DP-1B)	70.44	14.48
28 46 21 33-1030	EA	Dress Plate For Top Row With CPU2-3030D (Notifier DP-DISP)	96.75	14.48
28 46 21 33-1031	EA	One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4)	274.74	24.13
28 46 21 33-1032	EA	One Tier, "A" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-A4B).....	178.30	24.13
28 46 21 33-1033	EA	Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4)	350.18	36.19
28 46 21 33-1034	EA	Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4B).....	221.90	36.19
28 46 21 33-1035	EA	Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4)	520.29	48.25
28 46 21 33-1036	EA	Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4B).....	324.77	48.25
28 46 21 33-1037	EA	Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4)	632.00	60.32
28 46 21 33-1038	EA	Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4B).....	378.97	60.32
28 46 21 33-1039	EA	Black, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4)	198.10	12.06
28 46 21 33-1040	EA	Black, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4B).....	132.97	12.06
28 46 21 33-1041	EA	Red, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4BR)	124.94	12.06
28 46 21 33-1042	EA	Red, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4R).....	198.99	12.06
28 46 21 33-1043	EA	Red, One Tier, "A" Size Blank Door Assembly, Lock And Keys (Notifier DR-A4BR)	155.28	12.06
28 46 21 33-1044	EA	Red, One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4R)	252.52	12.06
28 46 21 33-1045	EA	Red, Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4BR)	174.91	12.06
28 46 21 33-1046	EA	Red, Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4R)	304.27	12.06
28 46 21 33-1047	EA	Red, Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4BR)	254.31	12.06
28 46 21 33-1048	EA	Red, Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4R)	451.47	12.06
28 46 21 33-1049	EA	Red, Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4BR)	284.64	12.06
28 46 21 33-1050	EA	Red, Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4R)	539.80	12.06
28 46 21 33-1051	EA	Black, Two Tiers, Equipment Backbox Assembly (Notifier EQBB-B4)	272.18	24.13
28 46 21 33-1052	EA	Black, Three Tiers, Equipment Backbox Assembly (Notifier EQBB-C4)	395.30	24.13
28 46 21 33-1053	EA	Black, Four Tiers, Equipment Backbox Assembly (Notifier EQBB-D4)	465.78	24.13
28 46 21 33-1054	EA	Black, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4)	291.81	24.13
28 46 21 33-1055	EA	Black, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4)	422.96	24.13
28 46 21 33-1056	EA	Black, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4)	491.65	24.13
28 46 21 33-1057	EA	Red, Two Tiers, Equipment Backbox Assembly (Notifier EQBB-B4R)	272.18	24.13
28 46 21 33-1058	EA	Red, Three Tiers, Equipment Backbox Assembly (Notifier EQBB-C4R).....	395.30	24.13
28 46 21 33-1059	EA	Red, Four Tiers, Equipment Backbox Assembly (Notifier EQBB-D4R).....	465.78	24.13
28 46 21 33-1060	EA	Red, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4R).....	291.81	24.13
28 46 21 33-1061	EA	Red, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4R)	422.96	24.13
28 46 21 33-1062	EA	Red, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4R)	491.65	24.13
28 46 21 33-1063	EA	Backbox With Door For ONYX Firstvision™ (Notifier FIRSTVISION-ENC)	2,525.56	120.63
28 46 21 33-1064	EA	CAB-4 Series Mounting Kit (Notifier P40-KITB)	248.99	24.13
Note: Includes chassis, hinged dress plate, and mounting hardware.				
28 46 21 33-1065	EA	Black, One Tier Backbox Assembly (Notifier SBB-A4).....	295.15	72.38
28 46 21 33-1066	EA	Black, Two Tier Backbox Assembly (Notifier SBB-B4)	415.06	96.51
28 46 21 33-1067	EA	Black, Three Tier Backbox Assembly (Notifier SBB-C4)	534.50	96.51
28 46 21 33-1068	EA	Black, Four Tier Backbox Assembly (Notifier SBB-D4)	651.76	120.63
28 46 21 33-1069	EA	Black, Mini, One Tier, Backbox (Notifier SBB-AA4)	160.66	24.13
28 46 21 33-1070	EA	Red, Mini, One Tier, Backbox (Notifier SBB-AA4R).....	160.66	24.13
28 46 21 33-1071	EA	Red, One Tier Backbox Assembly (Notifier SBB-A4R)	199.92	24.13
28 46 21 33-1072	EA	Red, Two Tier Backbox Assembly (Notifier SBB-B4R)	272.18	24.13
28 46 21 33-1073	EA	Red, Three Tier Backbox Assembly (Notifier SBB-C4R)	392.62	24.13
28 46 21 33-1074	EA	Red, Four Tier Backbox Assembly (Notifier SBB-D4R).....	462.21	24.13
28 46 21 33-1075	EA	Trim Ring For NFS-320 Cabinet (Notifier TR-320).....	146.72	14.48
28 46 21 33-1076	EA	Red, Trim Ring For NFS-320 Cabinet (Notifier TR-320R).....	146.72	14.48
28 46 21 33-1077	EA	Black, "AA" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-AA4).....	191.32	14.48
28 46 21 33-1078	EA	Black, "A" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-A4)	156.53	14.48
28 46 21 33-1079	EA	Black, "B" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-B4)	156.53	14.48
28 46 21 33-1080	EA	Black, "C" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-C4)	154.74	14.48
28 46 21 33-1081	EA	Black, "D" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-D4)	158.31	14.48
28 46 21 33-1082	EA	2" Filler Dress Plate For ADP-4B Installed In The Top Row Of A CAB-4 Series Backbox (Notifier VP-2B).....	65.08	14.48
28 46 21 33-1083	EA	Wire Trays For Routing Wire In A CAB-4 Series Backbox (Notifier WC-2).....	41.32	4.83

28 46 21 33-1084 NFS2-3030/640 Cabinet Mechanicals (28 46 21 33-0982)

28 46 21 33-1085	EA	Dress Plate For Middle Rows With CPU2-640 (Notifier ADP2-640).....	93.53	14.48
28 46 21 33-1086	EA	Blank Module Dress Plate (Notifier BM-1B)	78.49	14.48
28 46 21 33-1087	EA	Battery Dress Plate For NFS2-3030, NFS2-640, NCA-2 And DVC System (Notifier BP2-4).....	88.23	14.48
28 46 21 33-1088	EA	Four Position Expansion Chassis (Notifier CHS-4MB).....	192.75	12.06
28 46 21 33-1089	EA	Standard 1st Row Chassis Assembly For CPU-3030 (Notifier CHS-M3).....	199.78	36.19
28 46 21 33-1090	EA	Dress Plate For Top Row With CPU2-640 (Notifier DP-DISP2).....	97.07	14.48

28 46 21 33-1091 NFS-3030/640 Cabinet Mechanicals (28 46 21 33-0982)

28 46 21 33-1092	EA	Annunciator Dress Plate (Notifier ADP-4B).....	89.11	14.48
28 46 21 33-1093	EA	Blank Module Dress Plate (Notifier BMP-1)	58.15	14.48
28 46 21 33-1094	EA	Low Profile Four Position Chassis For AA-30 Or LDM (Notifier CHS-4L)	127.43	24.13
28 46 21 33-1095	EA	Module Dress Plate (Notifier MP-1B)	90.00	14.48

28 46 21 33-1096 Battery Cabinets (28 46 21 33-0982)

28 46 21 33-1097	EA	Six Position Chassis (Notifier CHS-6)	85.67	24.13
28 46 21 33-1098	EA	Black, 24" x 14" x 7-3/4" Battery Backbox (Notifier NFS-LBB).....	404.86	72.38



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1099				Digital Voice <small>(28 46 21 33-0982)</small>		
28 46 21 33-1100	EA			Chassis Used With BB-XP (Notifier 18439).....	42.42	12.06
28 46 21 33-1101	EA			220 VAC, 100 Watts, 70.7 VRMS, Tone Generator, Audio Amplifier (Notifier AA-100E).....	1,655.07	36.19
28 46 21 33-1102	EA			220 VAC, 120 Watts, 25 VRMS, Tone Generator, Audio Amplifier (Notifier AA-120E).....	1,608.68	36.19
28 46 21 33-1103	EA			220 VAC, 30 Watts, 25 VRMS Audio Amplifier (Notifier AA-30E).....	776.29	36.19
28 46 21 33-1104	EA			Black, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4).....	397.07	36.19
28 46 21 33-1105	EA			Black, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4).....	537.99	48.25
28 46 21 33-1106	EA			Black, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4).....	670.04	60.32
28 46 21 33-1107	EA			Multimode Audio Fiber Link Receiver (Notifier AFL-RM).....	681.68	24.13
28 46 21 33-1108	EA			Single Mode Audio Fiber Link Receiver (Notifier AFL-RS).....	1,503.36	24.13
28 46 21 33-1109	EA			Multimode Audio Fiber Link Transmitter (Notifier AFL-TM).....	681.68	24.13
28 46 21 33-1110	EA			Single Mode Audio Fiber Link Transmitter (Notifier AFL-TS).....	1,503.36	24.13
28 46 21 33-1111	EA			15" x 8-3/8" x 3-3/8", Flush Or Surface Mounted Backbox (Notifier AFAWS-BX).....	86.14	12.06
28 46 21 33-1112	EA			Flush Mounted, Key Lock, Door (Notifier AFAWS-KR).....	137.43	12.06
28 46 21 33-1113	EA			Surface Mounted, Key Lock, Door (Notifier AFAWS-KS).....	139.66	12.06
28 46 21 33-1114	EA			Flush Mounted, Latch Style Lock, Door (Notifier AFAWS-LR).....	137.88	12.06
28 46 21 33-1115	EA			Surface Mounted, Latch Style Lock, Door (Notifier AFAWS-LS).....	139.66	12.06
28 46 21 33-1116	EA			Armored Coil Cord, Telephone Chassis (Notifier AFAWS-TELA).....	262.34	12.06
28 46 21 33-1117	EA			Coil Cord, Telephone Chassis (Notifier AFAWS-TELC).....	213.71	12.06
28 46 21 33-1118	EA			Hammer Attached To Chain, Breakglass Insert (Notifier BRKG-B).....	58.72	
28 46 21 33-1119	EA			For 25 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-25V).....	458.64	24.13
28 46 21 33-1120	EA			For 70 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-70V).....	458.64	24.13
28 46 21 33-1121	EA			Blank Dress Plate For CA-2 (Notifier BP-CA2).....	81.23	12.06
28 46 21 33-1122	EA			One Tier Chassis For Digital Voice Command Panel (Notifier CA-1).....	111.95	24.13
28 46 21 33-1123	EA			Two Tier Chassis For Digital Voice Command Panel, With MIC-1 (Notifier CA-2).....	332.49	36.19
28 46 21 33-1124	EA			Black, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RM).....	166.02	24.13
28 46 21 33-1125	EA			Red, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RMR).....	166.02	24.13
28 46 21 33-1126	EA			Chassis, Phone Well, TELH-1 And Hardware (Notifier CFFT-1).....	188.29	12.06
28 46 21 33-1127	EA			Chassis With Paging Microphone With Well (Notifier CMIC-1).....	215.94	12.06
28 46 21 33-1128	EA			120 VAC, 50 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025).....	1,320.48	24.13
28 46 21 33-1129	EA			Multi-Mode Fiber-Optic Media 50 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025F).....	1,072.46	24.13
28 46 21 33-1130	EA			Single-Mode Fiber-Optic Media 50 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025SF).....	1,072.46	24.13
28 46 21 33-1131	EA			120 VAC, 50 Watts, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070).....	1,362.94	24.13
28 46 21 33-1132	EA			Multi-Mode Fiber-Optic Media 50 Watts, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070F).....	1,165.57	24.13
28 46 21 33-1133	EA			120 VAC, 75 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525).....	1,415.14	24.13
28 46 21 33-1134	EA			Single-Mode Fiber-Optic Media 75 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF).....	1,398.35	24.13
28 46 21 33-1135	EA			Single-Mode Fiber-Optic Media 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF).....	1,398.35	24.13
28 46 21 33-1136	EA			220-240 VAC, 50 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA2-5025E).....	1,331.18	24.13
28 46 21 33-1137	EA			220-240 VAC, 50 Watts, 70 VRMS Digital Audio Amplifier (Notifier DAA2-5070E).....	1,374.00	24.13
28 46 21 33-1138	EA			220-240 VAC, 75 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA2-7525E).....	1,426.64	24.13
28 46 21 33-1139	EA			120 VAC, 35 Watts, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525).....	912.75	24.13
28 46 21 33-1140	EA			220-240 VAC, 35 Watts, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525E).....	912.75	24.13
28 46 21 33-1141	EA			120 VAC, 35 Watts, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570).....	970.74	24.13
28 46 21 33-1142	EA			220-240 VAC, 35 Watts, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570E).....	970.74	24.13
28 46 21 33-1143	EA			120 VAC, 50 Watts, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025).....	1,008.21	24.13
28 46 21 33-1144	EA			220-240 VAC, 50 Watts, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025E).....	1,008.21	24.13
28 46 21 33-1145	EA			120 VAC, 50 Watts, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070).....	1,066.20	24.13
28 46 21 33-1146	EA			220-240 VAC, 50 Watts, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070E).....	1,066.20	24.13
28 46 21 33-1147	EA			Dress Plate For CFFT-1 (Notifier DP-CFFT).....	93.72	12.06
28 46 21 33-1148	EA			Dress Panel For One Tier Chassis For Digital Voice Command Panel (Notifier DPA-1).....	84.69	14.48
28 46 21 33-1149	EA			Dress Panel For One Tier Chassis For Digital Voice Command Panel, Supports Keypad (Notifier DPA-1A4).....	97.07	14.48
28 46 21 33-1150	EA			Dress Panel For Two Tier Chassis For Digital Voice Command Panel (Notifier DPA-2B).....	163.43	14.48
28 46 21 33-1151	EA			WPS Power Amplifier (Notifier DPA3204P).....	538.94	24.13
28 46 21 33-1152	EA			WPS Power Amplifier (Notifier DPA4001P).....	454.18	24.13
28 46 21 33-1153	EA			Modem Interface For Direct Wire (No Dial-Up Capabilities) For Interconnecting Panels (Notifier DPI-232).....	949.33	24.13
28 46 21 33-1154	EA			120 VAC, 125 Watts, 25 VRMS Digital Series Amplifier (Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V) (Notifier DS-AMP).....	717.37	24.13
28 46 21 33-1155	EA			220-240 VAC, 125 Watts, 25 VRMS Digital Series Amplifier (Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V) (Notifier DS-AMPE).....	717.37	24.13
28 46 21 33-1156	EA			Digital Series Distribution Board, Supports One To Four DS-Amp Or DS-AMPE (Notifier DS-DB).....	1,208.06	24.13
28 46 21 33-1157	EA			125 Watts, 25 VRMS DS Series Backup Amplifier Board (Can Be Converted To 70 VRMS, 100 Watts Amplifier With A DS-XF70V) (Notifier DS-BDA).....	494.33	24.13
28 46 21 33-1158	EA			Converts One DAX Or DAA2 DAL Port To Multi-Mode Fiber, Fiber Option Module (Notifier DS-FM).....	253.45	24.13
28 46 21 33-1159	EA			Converts One DAX Or DAA2 Port To ST Style Multi-Mode Fiber (For Connection To DVC-EMF Or DAA-XXXF Series Amplifier), Fiber Option Module (Notifier DS-RFM).....	253.45	24.13
28 46 21 33-1160	EA			Converts One DAX Or DAA2 DAL Port To Single-Mode Fiber, Fiber Option Module (Notifier DS-SFM).....	253.45	24.13
28 46 21 33-1161	EA			Converts DS-AMP, DS-AMPE, Or DS-BDA To 70 VRMS, 100 Watts, DS Series Transformer (Notifier DS-XF70V).....	110.70	24.13
28 46 21 33-1162	EA			Analog Output Board For Digital Voice Command (Notifier DVC-AO).....	238.46	24.13
28 46 21 33-1163	EA			Extended Memory For Digital Voice Command (Notifier DVC-EM).....	1,331.09	24.13
28 46 21 33-1164	EA			Keypad For Digital Voice Command (Notifier DVC-KD).....	401.74	48.25
28 46 21 33-1165	EA			Replacement Microphone For NFC-50/100, NFC-LOC, NFC-RPU And NFC-RM (Notifier ECC-MICROPHONE).....	189.87	
28 46 21 33-1166	EA			Fire Fighters Telephone Control With Master Handset (Notifier FFT-7).....	1,382.25	48.25
28 46 21 33-1167	EA			Portable Fireman's Telephone Handset (Notifier FHS).....	121.62	
28 46 21 33-1168	EA			Red, Fireman's Telephone Handset (Notifier FHS-F).....	121.62	
28 46 21 33-1169	EA			Recessed, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-R).....	339.99	24.13
28 46 21 33-1170	EA			Surface Mounted, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-S).....	339.99	24.13
28 46 21 33-1171	EA			Fireman's Phone Jack On A Single Gang Plate (Notifier FPJ).....	56.41	7.23
28 46 21 33-1172	EA			Paging Microphone Only (Notifier MIC-1).....	164.15	24.13
28 46 21 33-1173	EA			Firefighter's Telephone Handset (Notifier TELH-1).....	133.66	
28 46 21 33-1174	EA			Remote Microphone Assembly For Mounting On An ADP-4 Dress Plate (Notifier RM-1).....	392.41	24.13
28 46 21 33-1175	EA			Remote Microphone Assembly For Mounting In A Stand Alone Cabinet (Notifier RM-1SA).....	392.41	24.13

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1176			Amplifiers <small>(28 46 21 33-0982)</small>		
		EA	30 Watt Audio Amplifier At 25 VRMS, 120 VAC (Notifier AA-30).....	746.29	24.13
		EA	100 Watt Audio Amplifier At 70.7 VRMS, 120 VAC, Tone Generator (Notifier AA-100).....	1,617.74	24.13
		EA	120 Watt Audio Amplifier At 25 VRMS, 120 VAC, Tone Generator (Notifier AA-120).....	1,571.74	24.13
		EA	Audio Coupling Transformer (Notifier ACT-1).....	121.68	24.13
		EA	Audio Coupling Transformer For Analog Amplifiers (Notifier ACT-2).....	141.15	24.13
		EA	Audio Coupling Transformer For DVC-AO (Notifier ACT-4).....	141.15	24.13
		EA	Audio Coupling Transformer For DAA-5025 (Notifier ACT-25).....	141.15	24.13
		EA	Audio Coupling Transformer For DAA-5070 (Notifier ACT-70).....	141.15	24.13
28 46 21 33-1185			FireVoice-25/50 Emergency Voice Evacuation Control Panels <small>(28 46 21 33-0982)</small>		
		EA	25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50).....	3,111.20	482.51
		EA	Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50DA).....	2,268.56	482.51
		EA	Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel Used With NFV-25/50ZS (Notifier NFV-25/50DAZS).....	2,873.77	482.51
		EA	Zoned System 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZS).....	3,665.21	482.51
		EA	Zoned System With Telephone 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZST).....	4,028.34	482.51
28 46 21 33-1191			System Printer <small>(28 46 21 33-0982)</small>		
		EA	80 Column, 120 VAC, Desktop Printer (Notifier PRN-6).....	1,607.13	24.13
28 46 21 33-1193			Batteries <small>(28 46 21 33-0982)</small>		
		EA	5 Amp Hour, 12 VDC, Sealed Battery Pack (Notifier BAT-1250-BP).....	455.07	24.13
		EA	7 Amp Hour, 12 VDC, Sealed Battery Pack (Notifier BAT-1270-BP).....	350.82	24.13
		EA	12 Amp Hour, 12 VDC, Sealed Battery Pack (Notifier BAT-12120-BP).....	458.76	24.13
		EA	18 Amp Hour, 12 VDC, Sealed Battery Pack (Notifier BAT-12180-BP).....	271.20	24.13
		EA	26 Amp Hour, 12 VDC, Sealed Battery Pack (Notifier BAT-12260-BP).....	375.60	24.13
		EA	55 Amp Hour, 12 VDC, Sealed Battery (Notifier BAT-12550).....	374.71	24.13
		EA	100 Amp Hour, 12 VDC, Sealed Battery (Notifier BAT-121000).....	591.29	24.13
28 46 21 33-1201			Battery Backboxes And Miscellaneous Mechanicals <small>(28 46 21 33-0982)</small>		
		EA	14-1/2" x 8-1/4" x 4-3/4", Holds Up To Two BAT-12180 Batteries, Battery Backbox (Notifier BB-17).....	118.00	19.30
		EA	24" x 12.55" x 5.218", Mounts Up To Six XP6 Boards Or ACPs-610, Cabinet (Notifier BB-25).....	180.45	19.30
		EA	Note: XP6 modules require a CHS-6.		
		EA	15.6" x 15.5" x 5.152", Mounts Up To Two 26 Amp Hour And Charger, Battery Backbox (Notifier BB-26).....	332.79	96.51
		EA	Holds Up To Two BAT-12120 12 Amp Hour Batteries, Battery Holder (Notifier CHS-BH).....	159.85	48.25
		EA	Holds Up To Two BAT-12120 12 Amp Hour Batteries, Battery Holder (Notifier CHS-BH1).....	71.41	12.06
		EA	Battery Bracket For Two 26 Amp Hour Batteries (Notifier SEISKIT-BB25).....	198.30	19.30
		EA	Two 26 Amp Hour Battery Bracket Seismic Kit For CAB-4 Series Cabinets (Notifier SEISKIT-CAB).....	154.58	19.30
		EA	Two 12 Amp Hour Battery Bracket Seismic Kit For DAX, DAA, And DAA2 Series Amplifiers (Notifier SEISKIT-DAA).....	170.64	19.30
		EA	Two 55 Amp Hour Battery Bracket Seismic Kit For NFS-LBB (Notifier SEISKIT-LBB).....	184.91	19.30
28 46 21 33-1211			Power Supplies And Chargers <small>(28 46 21 33-0982)</small>		
		EA	120 VAC, 6 Or 10 Amps, Addressable Charging Power Supply (Notifier ACPs-610).....	1,142.97	36.19
		EA	220/240 VAC, 6 Or 10 Amps, Addressable Charging Power Supply (Notifier ACPs-610E).....	1,142.97	36.19
		EA	Addressable Power Supply, 120 VAC For NFS-3030, NFS2-3030 And NCA-2 (Notifier AMPS-24).....	1,135.57	24.13
		EA	6A Auxiliary Power Supply (Notifier APS-6R).....	581.77	24.13
		EA	10 Amp Battery Charger (Notifier BC10A).....	723.66	36.19
		EA	33.34" x 22.5" x 7.5", Holds Four 55 Amp Hour Or Two 100 Amp Hour Batteries, For NFS-3030 Or NFS2-3030, Combination Power Supply And Battery Enclosure (Notifier BB-100).....	427.25	28.95
		EA	33.34" x 22.5" x 7.5", Holds Four 55 Amp Hour Or Two 100 Amp Hour Batteries, For NFS-3030 Or NFS2-3030, Red, Combination Power Supply And Battery Enclosure (Notifier BB-100R).....	427.25	28.95
		EA	30.34" x 36.5" x 7.5", Holds Four 55 Amp Hour Or Four 100 Amp Hour Batteries, For NFS2-3030, Combination Power Supply And Battery Enclosure (Notifier BB-200).....	611.93	28.95
		EA	30.34" x 36.5" x 7.5", Holds Four 55 Amp Hour Or Four 100 Amp Hour Batteries, For NFS2-3030, Red, Combination Power Supply And Battery Enclosure (Notifier BB-200R).....	611.93	28.95
		EA	15.218" x 14.5" x 3.562" ACPs Stand-Alone Cabinet (Notifier CAB-PS1).....	117.84	24.13
		EA	25 To 120 Amp Hour Battery Charger (Notifier CHG-120).....	877.23	24.13
		EA	Mounts XPIQ-Ps And/Or CHS-BH In A CAB-3/4 Row, Also Mount One ACPs-610 In CAB-3 Row, Chassis Assembly (Notifier CHS-PS).....	66.95	12.06
		EA	Replacement Door Used For Mounting ACPs-610 (E) In A CAB-PS1 Cabinet When Replacing ACPs-2406 (Notifier DR-PS1).....	104.42	12.06
		EA	8.0 Amps, 120 VAC Remote Charger Power Supply (Notifier FCPS-24S8).....	584.39	24.13
		EA	8.0 Amps, 240 VAC Remote Charger Power Supply (Notifier FCPS-24S8E).....	685.40	72.38
		EA	Red, 8.0 Amps, 240 VAC Remote Charger Power Supply (Notifier FCPS-24S8R).....	685.40	72.38
		EA	8 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPFF8).....	780.86	72.38
		EA	8 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPFF8E).....	780.86	72.38
		EA	Chassis Mounted, 8 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPFF8CM).....	741.50	36.19
		EA	Chassis Mounted, 8 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPFF8CME).....	741.50	36.19
		EA	12 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPFF12).....	897.63	36.19
		EA	12 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPFF12E).....	897.63	36.19
		EA	Chassis Mounted, 12 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPFF12CM).....	931.53	72.38
		EA	Chassis Mounted, 12 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPFF12CME).....	931.53	72.38



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1236 EA 6 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPF24S6)	654.17	72.38
28 46 21 33-1237 EA 6 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPF24S6E)	654.17	72.38
28 46 21 33-1238 EA 8 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPF24S8)	705.03	72.38
28 46 21 33-1239 EA 8 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPF24S8E)	705.03	72.38
28 46 21 33-1240 EA 6 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPF602ULADA)	568.53	72.38
28 46 21 33-1241 EA 9 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPF902ULADA)	668.45	72.38
28 46 21 33-1242 EA Class A Adapter HPPF8/HPPF12 (Notifier HPP31076)	135.65	12.06
28 46 21 33-1243 EA Main Power Supply And Charger, Up To 3 Amps (Notifier MPS-24A)	839.69	24.13
28 46 21 33-1244 EA Class A (Style Y) NAC Option Module For FCPS-2406 And FCPS-2408 (Notifier ZNAC-4)	158.88	24.13
28 46 21 33-1245 Network Control Annunciators (28 46 21 33-0982)		
28 46 21 33-1246 EA Network Control Annunciator For NFS2-3030, NFS-3030, NFS-320, NFS-640 And NFS2-640 (Notifier NCA-2)	1,604.54	72.38
28 46 21 33-1247 EA Retro-Fit Plate For Mounting NCA2 (Notifier NCA-2RETRO)	65.22	14.48
28 46 21 33-1248 EA Kit For Mounting NCA-2 To CHS-M2 (Notifier NCA/640-2-Kit)	48.41	14.48
28 46 21 33-1249 FIRSTVISION Firefighter's Display (28 46 21 33-0982)		
28 46 21 33-1250 EA Replacement ONYX Firstvision™ Touchscreen Assembly (Notifier FIRSTVISION-LCD)	12,546.67	482.51
28 46 21 33-1251 FlashScan Addressable Modules (28 46 21 33-0982)		
28 46 21 33-1252 EA Intelligent Addressable Control Module (Notifier FCM-1)	144.68	24.13
28 46 21 33-1253 EA Addressable Dual Monitor Module (Notifier FDM-1)	160.61	24.13
28 46 21 33-1254 EA Intelligent Addressable Monitor Module (Notifier FMM-1)	121.68	24.13
28 46 21 33-1255 EA Intelligent Addressable Miniature Monitor Module (Notifier FMM-101)	109.30	24.13
28 46 21 33-1256 EA Intelligent Addressable 4 - 20mA Analog Input Module (Notifier FMM-4-20)	216.35	24.13
28 46 21 33-1257 EA Intelligent Addressable Relay Module (Notifier FRM-1)	139.38	24.13
28 46 21 33-1258 EA Intelligent Addressable 2-Wire Detector Monitor Module (Notifier FZM-1)	180.07	24.13
28 46 21 33-1259 EA SLC Loop Powered Fault Isolator Module (Notifier ISO-X)	119.91	24.13
28 46 21 33-1260 Addressable Device Bases And Accessories (28 46 21 33-0982)		
28 46 21 33-1261 EA Intelligent Detector Base With Flange (Notifier B710LP)	41.82	12.06
28 46 21 33-1262 EA Weatherproof Device Housing (Notifier DH400OE-1)	358.79	24.13
28 46 21 33-1263 XP6/XP10 Transponder (28 46 21 33-0982)		
28 46 21 33-1264 EA Synchronization Daughter Module For XP6-C (Notifier SYNC-1)	108.85	24.13
28 46 21 33-1265 EA Six Circuit Supervised Control Module (Notifier XP6-C)	511.84	24.13
28 46 21 33-1266 EA Six Zone Intelligent To Conventional Interface Module (Notifier XP6-MA)	618.01	24.13
28 46 21 33-1267 EA Six Relay Control Module (Notifier XP6-R)	492.38	24.13
28 46 21 33-1268 EA Ten Input Monitor Module (Notifier XP10-M)	591.47	24.13
28 46 21 33-1269 LCD Display Annunciators (28 46 21 33-0982)		
28 46 21 33-1270 EA 80 Character LCD Fire Annunciator For FireWarden-100-2, NFS-640, NFS2-640 And NFS-320 (Notifier FDU-80)	671.16	72.38
28 46 21 33-1271 EA 80 Character LCD Annunciator For NFS-640, NFS-3030, NFS2-640, NFS2-3030 And NFS-320 (Notifier LCD-80)	932.15	72.38
28 46 21 33-1272 EA 640 Character LCD Annunciator For NFS-3030 And NFS2-3030 (Notifier LCD-160)	964.00	72.38
28 46 21 33-1273 EA 8 To 16 Switch Smoke Control Expander (Notifier SCE-8)	631.72	24.13
28 46 21 33-1274 EA 8 To 16 Switch Smoke Control Lamp Driver Expander (Notifier SCE-8L)	338.20	24.13
28 46 21 33-1275 EA Eight Switch Smoke Control Master Module (Notifier SCS-8)	819.08	24.13
28 46 21 33-1276 ONYX ACM And AEM Series LED Annunciators (28 46 21 33-0982)		
28 46 21 33-1277 EA Remote, Eight Form C Relay Module (Notifier ACM-8R)	373.00	24.13
28 46 21 33-1278 EA 16 Alarm LEDs, 16 Trouble LEDs, 16 Controls Switches, Annunciator Control Module (Notifier ACM-16AT)	675.52	24.13
28 46 21 33-1279 EA 16 Alarm LEDs, 16 Trouble LEDs, 16 Control Switches, Annunciator Expander Module (Notifier AEM-16AT)	518.92	24.13
28 46 21 33-1280 EA 24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Control Module (Notifier ACM-24AT)	675.52	24.13
28 46 21 33-1281 EA 24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Expander Module (Notifier AEM-24AT)	518.92	24.13
28 46 21 33-1282 EA 32 Alarm LEDs And 1 Trouble LED, Control Module (Notifier ACM-32A)	518.92	24.13
28 46 21 33-1283 EA 32 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-32A)	465.84	24.13
28 46 21 33-1284 EA 48 Alarm And 1 Trouble LED Annunciator Control Module (Notifier ACM-48A)	518.92	24.13
28 46 21 33-1285 EA 48 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-48A)	465.84	24.13
28 46 21 33-1286 Graphic Annunciator - Lamp Driver Modules (28 46 21 33-0982)		
28 46 21 33-1287 EA Single Annunciator Flush Mounted Backbox (Notifier ABF-1B)	225.68	48.25
28 46 21 33-1288 EA Single Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-1DB)	244.26	48.25
28 46 21 33-1289 EA Two Annunciator Flush Mounted Backbox (Notifier ABF-2B)	282.53	60.32
28 46 21 33-1290 EA Two Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-2DB)	306.42	60.32
28 46 21 33-1291 EA Four Annunciator Flush Mounted Backbox (Notifier ABF-4B)	489.14	84.44
28 46 21 33-1292 EA Annunciator Blank Plate Used With ACM-32A/ACM-16AT (Notifier ABM-1)	86.90	14.48
28 46 21 33-1293 EA Single Annunciator Surface Mounted Backbox (Notifier ABS-1B)	150.04	48.25
28 46 21 33-1294 EA Single Annunciator Surface Mounted Backbox With Trim (Notifier ABS-1TB)	121.38	12.06
28 46 21 33-1295 EA Two Annunciator Surface Mounted Backbox (Notifier ABS-2B)	184.10	48.25
28 46 21 33-1296 EA 12" x 12" x 3-3/4" Surface Or Semi-Flush Mount Backbox (Notifier ABS-2D)	318.81	60.32
28 46 21 33-1297 EA Red, Surface (Or Semi-Flush) Mounted Backbox For ACS Annunciators, SCS Series, NCA And NCA-2 (Notifier ABS-2DR)	223.97	12.06

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1298 EA Black, 12" x 20" x 3-1/2" Surface Or Semi-Flush Backbox (Notifier ABS-4D)	513.03	84.44
28 46 21 33-1299 EA Red, 12" x 20" x 3-1/2" Surface Or Semi-Flush Backbox (Notifier ABS-4DR)	376.00	14.48
28 46 21 33-1300 EA Black, 9-15/16" x 4-5/8" x 2-1/2" Surface Backbox (Notifier ABS-8RB)	148.34	19.30
28 46 21 33-1301 EA Annunciator Key Switch (Notifier AKS-1B)	72.47	7.23
28 46 21 33-1302 EA Chassis Used To Mount NCA-2 In ABS-2D (Notifier CHS-2D)	85.85	24.13
28 46 21 33-1303 EA 32 Alarm Lamp Driver Annunciator Control Module (Notifier LDM-32)	465.84	24.13
28 46 21 33-1304 EA 24" Lamp Driver Annunciator Cable (Notifier LDM-CBL24)	137.23	4.83
28 46 21 33-1305 EA 48" Lamp Driver Annunciator Cable (Notifier LDM-CBL48)	171.13	4.83
28 46 21 33-1306 EA 32 Alarm Lamp Driver Annunciator Expander Module (Notifier LDM-E32)	385.33	24.13
28 46 21 33-1307 EA Lamp Driver Module (Notifier LDM-R32)	671.87	24.13
28 46 21 33-1308 EA Eight Switch Smoke Control Lamp Driver Master Module (Notifier SCS-8L)	623.69	24.13
28 46 21 33-1309 EA 48" Cable Assembly For Smoke Control Lamp Driver (Notifier SCS8L-CBL48)	173.81	4.83
28 46 21 33-1310 EA Black, Trim Ring For ABS-2D Cabinet (Notifier TR-ABS2D)	144.93	14.48
28 46 21 33-1311 EA Black, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4D)	90.51	14.48
28 46 21 33-1312 EA Red, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4DR)	90.51	14.48
28 46 21 33-1313 Network Gateways (28 46 21 33-0982)		
28 46 21 33-1314 EA Common Alerting Protocol Gateway (Notifier CAP-GW)	2,501.69	24.13
28 46 21 33-1315 EA PC Version, Receivers Gateway (Notifier DACR-GW)	1,957.47	24.13
28 46 21 33-1316 EA Fiber-Optic Cable Interface (Multi-Mode), High-Speed Network Communications Module (Notifier HS-NCM-MF)	1,868.26	24.13
28 46 21 33-1317 EA Fiber-Optic Cable Interface (Multi-Mode Fiber To Single-Mode Fiber), High-Speed Network Communications Module (Notifier HS-NCM-MFSF)	2,091.30	24.13
28 46 21 33-1318 EA Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-SF)	2,323.26	24.13
28 46 21 33-1319 EA Twisted-Pair Wire Interface, High-Speed Network Communications Module (Notifier HS-NCM-W)	1,779.04	24.13
28 46 21 33-1320 EA Wire And Fiber-Optic Cable Interface, High-Speed Network Communications Module (Multi-Mode) (Notifier HS- NCM-WMF)	1,823.65	24.13
28 46 21 33-1321 EA Wire And Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS- NCM-WSF)	2,051.15	24.13
28 46 21 33-1322 EA Modbus Gateway (Notifier MODBUS-GW)	1,957.47	24.13
28 46 21 33-1323 EA 22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW)	2,383.31	15.92
28 46 21 33-1324 EA Capacitive Touch-Screen, 22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW-TS)	3,551.14	15.92
28 46 21 33-1325 EA 1920x1080P Wide Screen (Notifier MON-42LCDW)	11,260.30	15.92
28 46 21 33-1326 EA Single Monitor, Wall Mounted, Horizontal, Tilt, Bracket (Notifier MON-42HORZ-SD)	464.93	36.19
28 46 21 33-1327 EA Single Monitor, Vertical Mounted, Bracket (Notifier MON-42VERT-SD)	844.10	36.19
28 46 21 33-1328 EA Dual Monitors, Vertical Wall Mounted, Fixed Position, Bracket (Notifier MON-42VERT-DD)	1,227.73	36.19
28 46 21 33-1329 EA Mass Notification Voice Paging (Notifier NOTIFY-IP)	936.77	
28 46 21 33-1330 EA Non UL Listed Applications, Mass Notification Voice Paging (Notifier NOTIFY-IP-NOUL)	936.77	
28 46 21 33-1331 EA Embedded NFN Gateway (Notifier NFN-GW-EM)	1,941.55	24.13
28 46 21 33-1332 EA NFN Gateway PC Card With Fiber (Notifier NFN-GW-PC-F)	1,941.55	24.13
28 46 21 33-1333 EA High Speed NFN Gateway PC Card For Multimode Fiber (Included With ONYXworks-HNMF) (Notifier NFN-GW- PC-HNMF)	2,849.63	24.13
28 46 21 33-1334 EA High Speed NFN Gateway PC Card For Single Mode Fiber (Included With ONYXworks-HNSF) (Notifier NFN-GW- PC-HNSF)	3,322.48	24.13
28 46 21 33-1335 EA High Speed NFN Gateway PC Card For Wire (Included With ONYXworks-HNW) (Notifier NFN-GW-PC-HNW)	2,849.63	24.13
28 46 21 33-1336 EA NFN Gateway PC Card With Wire (Notifier NFN-GW-PC-W)	1,941.55	24.13
28 46 21 33-1337 EA E-Mail Option For ONYXworks (Notifier ONYX-NOTIFY)	936.77	
28 46 21 33-1338 EA Alpha-Numeric Pager Option For ONYXworks (Notifier ONYX-PAGER)	936.77	
28 46 21 33-1339 EA ONYXworks Workstation (Notifier ONYXWORKS-WS)	17,928.84	579.01
28 46 21 33-1340 EA Fiber Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NW)	3,761.64	
Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.		
28 46 21 33-1341 EA Wired Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NF)	3,761.64	
Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.		
28 46 21 33-1342 EA Fiber Optics, Standard Network Repeater Board (Notifier RPT-F)	870.82	24.13
28 46 21 33-1343 EA Wire, Standard Network Repeater Board (Notifier RPT-W)	707.56	24.13
28 46 21 33-1344 EA Wire To Fiber Optics, Standard Network Repeater Board (Notifier RPT-WF)	847.63	24.13
28 46 21 33-1345 EA Signaling Line Circuit Integration Module (Notifier SLC-IM)	935.95	24.13
28 46 21 33-1346 EA VESDA Gateway That Provides A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VESDA-HLI-GW)	1,957.47	24.13
28 46 21 33-1347 EA Vesda™ High Level Interface Card Used With SLC-IM And Vesda-HLI-GW To Provide A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VHX-1420-HFS)	1,618.45	24.13
28 46 21 33-1348 EA Windows 7 Hard Drive Upgrade (Notifier WIN7-UG-US-3)	1,784.32	
28 46 21 33-1349 NOTI-FIRE-NET Network Components (28 46 21 33-0982)		
28 46 21 33-1350 EA Interface Between NOTI-FIRE-NET 50 And BACnet (Notifier BACNET-GW-3)	1,941.55	24.13
28 46 21 33-1351 EA Fiber Optic Network Communications Module (Notifier NCM-F)	868.39	24.13
28 46 21 33-1352 EA NOTI-FIRE-NET Web Server (Notifier NWS)	1,941.55	24.13
28 46 21 33-1353 EA Wired Network Communications Module (Notifier NCM-W)	827.69	24.13
28 46 21 33-1354 EA Fiber Optic Converter Module Mounting Kit (Notifier SMF-Kit)	81.86	12.06
28 46 21 33-1355 FireWarden Addressable Fire Panels (28 46 21 33-0982)		
28 46 21 33-1356 EA 50 Point, Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW-50)	1,809.92	482.51
28 46 21 33-1357 EA Black, One SLC Loop, 120 VAC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100)	2,123.99	482.51
28 46 21 33-1358 EA Black, One DC Loop, 120 VAC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100C)	2,133.74	241.25
28 46 21 33-1359 EA Black, One SLC Loop, 240 VAC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100E)	2,133.74	241.25



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1360 EA Red, One SLC Loop, 120 VAC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100R).....	2,133.74	241.25
28 46 21 33-1361 FireWarden Accessories (28 46 21 33-0982)		
28 46 21 33-1362 EA Intelligent Multicriteria Photo/Thermal Detector With Base (Notifier NP-A100).....	160.70	36.19
28 46 21 33-1363 EA Intelligent Addressable Photo/Thermal Detector With Base (Notifier NP-100T)	159.81	36.19
28 46 21 33-1364 FireWarden Devices (28 46 21 33-0982)		
28 46 21 33-1365 EA SLC Loop Powered Fault Isolator Module (Notifier N100-ISO).....	119.03	24.13
28 46 21 33-1366 EA Intelligent Addressable Control Module (Notifier NC-100)	140.26	24.13
28 46 21 33-1367 EA Intelligent Addressable Relay Module (Notifier NC-100R)	134.95	24.13
28 46 21 33-1368 EA Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector (Notifier ND-100).....	285.60	36.19
28 46 21 33-1369 EA Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector With DPDT Relay (Notifier ND-100R)	341.47	36.19
28 46 21 33-1370 EA Two Zone Intelligent Addressable, Two Wire Detector Monitor Module (Notifier NDM-100)	134.95	24.13
28 46 21 33-1371 EA Intelligent Addressable Thermal Detector With Base (Notifier NH-100).....	141.39	36.19
28 46 21 33-1372 EA Intelligent Addressable High Temperature Thermal Detector With Base (Notifier NH-100H)	141.39	36.19
28 46 21 33-1373 EA Intelligent Addressable Rate-Of-Rise Thermal Detector With Base (Notifier NH-100R)	141.39	36.19
28 46 21 33-1374 EA Intelligent Addressable Ionization Smoke Detector With Base (Notifier NI-100).....	187.39	36.19
28 46 21 33-1375 EA Intelligent Addressable Monitor Module (Notifier NMM-100)	117.26	24.13
28 46 21 33-1376 EA Intelligent Addressable Mini Monitor Module (Notifier NMM-100P).....	107.08	24.13
28 46 21 33-1377 EA Intelligent Addressable Manual Pull Station (Notifier NOT-BG12LX).....	156.63	24.13
28 46 21 33-1378 EA Intelligent Addressable Photoelectric Smoke Detector With Base (Notifier NP-100).....	147.58	36.19
28 46 21 33-1379 EA Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100)	174.77	24.13
28 46 21 33-1380 EA Six Zone Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100-6)	603.85	24.13
28 46 21 33-1381 SFP-2402 And SFP-2404 2 And 4-Zone Control Panels And Accessories (28 46 21 33-0982)		
28 46 21 33-1382 EA 120 VAC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402).....	1,214.37	386.00
28 46 21 33-1383 EA 120 VAC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404)	1,328.50	386.00
28 46 21 33-1384 EA 240 VAC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFB-2402E)	928.59	120.63
28 46 21 33-1385 EA 240 VAC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFB-2404E).....	1,043.68	120.63
28 46 21 33-1386 EA Class A Converter Module (Notifier CAC-4).....	306.08	24.13
28 46 21 33-1387 EA Optional Internal Dress Panel For SFB-2402 And SFB-2404 Only (Notifier DP-3-B)	103.89	14.48
28 46 21 33-1388 EA Internal Dress Plate, Required For FM And ULC (Notifier DP-4X).....	105.68	14.48
28 46 21 33-1389 EA Remote Zone Annunciator (Notifier RZA-4X).....	156.24	36.19
28 46 21 33-1390 SFP-5UD 5 Zone Control Panels And Accessories (28 46 21 33-0982)		
28 46 21 33-1391 EA 120 VAC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFP-5UD).....	1,845.31	482.51
28 46 21 33-1392 EA 120 VAC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDC)	2,803.60	361.89
28 46 21 33-1393 EA 240 VAC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDE)	1,852.71	241.25
28 46 21 33-1394 EA Red, 120 VAC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDR)	1,852.71	241.25
28 46 21 33-1395 EA Class A Converter Module (Notifier N-CAC-5X)	306.08	24.13
28 46 21 33-1396 EA Red, Trim Ring For NFW2-100, NFW-50, SFB-5UD, SFB-10UD, RP-2001, RP-2002 Cabinet (Notifier TR-CE)	122.63	14.48
28 46 21 33-1397 SFP-10UD 10 Zone Control Panels And Accessories (28 46 21 33-0982)		
28 46 21 33-1398 EA 120 VAC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDC).....	3,460.08	482.51
28 46 21 33-1399 EA 240 VAC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDE)	2,588.59	361.89
28 46 21 33-1400 EA 120 VAC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFP-10UD)	2,093.03	482.51
28 46 21 33-1401 EA Red, 120 VAC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDR)	3,071.10	482.51
28 46 21 33-1402 EA Four Channel, Dual Line, Stand Alone Fire Alarm Communicator (Fire-Lite 411UDAC)	523.41	72.38
28 46 21 33-1403 Smoke Detectors (28 46 21 33-0982)		
28 46 21 33-1404 EA Intelligent Addressable Beam Smoke Detector (Notifier FSB-200).....	1,300.93	48.25
28 46 21 33-1405 EA Intelligent Addressable Beam Smoke Detector With Remote Test Feature (Notifier FSB-200S).....	1,479.36	48.25
28 46 21 33-1406 EA Low Profile Intelligent Addressable Ionization Smoke Detector (Notifier FSI-851).....	199.78	36.19
28 46 21 33-1407 EA Intelligent Addressable Laser Smoke Detector (Notifier FSL-751).....	328.95	36.19
28 46 21 33-1408 EA Intelligent Addressable Laser Duct Smoke Detector (Notifier FSL-751D).....	817.26	36.19
28 46 21 33-1409 EA Low Profile Intelligent Addressable Photoelectric Smoke Detector (Notifier FSP-851).....	163.51	36.19
28 46 21 33-1410 EA Remote Test Capable, Low Profile Intelligent Addressable Photoelectric Smoke Detector (Notifier FSP-851R).....	166.95	36.19
28 46 21 33-1411 EA Intelligent Addressable Thermal Detector (Notifier FST-851)	136.96	36.19
28 46 21 33-1412 EA Intelligent Addressable High Temperature Thermal Detector (Notifier FST-851H).....	136.96	36.19
28 46 21 33-1413 EA Intelligent Addressable Rate-Of-Rise Thermal Detector (Notifier FST-851R).....	136.96	36.19
28 46 21 33-1414 EA Remote Test Capable Intelligent Addressable Photo Detector (Notifier NP-100R).....	150.89	36.19
Note: For use with DNR(W) duct detector housing.		
28 46 21 33-1415 EA Filters For Harsh Detector (Notifier RF-FTX)	18.27	
28 46 21 33-1416 EA Key Activated Remote Test Station For Duct Smoke Detector (Notifier RTS151KEY)	121.46	24.13
28 46 21 33-1417 Pull Stations (28 46 21 33-0982)		
28 46 21 33-1418 EA Trim Ring For NBG12 Series Pull Station (Notifier BG12TR)	25.71	4.83
28 46 21 33-1419 EA One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Backbox (Notifier BG-2)	56.25	12.06

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1420 EA Red, One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Backbox (Notifier BG-2R)	56.25	12.06
28 46 21 33-1421 EA Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1)	79.03	24.13
28 46 21 33-1422 EA DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1F)	85.72	24.13
28 46 21 33-1423 EA Terminal Switch, DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1FTS)	112.04	24.13
28 46 21 33-1424 EA Red Body, Silver Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1R)	79.03	24.13
28 46 21 33-1425 EA Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TS)	88.84	24.13
28 46 21 33-1426 EA Standard "Local" Style Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TSL)	88.84	24.13
28 46 21 33-1427 EA Terminal Strip, Red Body, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1TSR)	88.84	24.13
28 46 21 33-1428 EA Red Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1)	84.83	24.13
28 46 21 33-1429 EA Red Body, Silver Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1R)	90.63	24.13
28 46 21 33-1430 EA Hazardous, Non-Hazardous, Weatherproof, Harsh Locations Fire Alarm Pull Station (Notifier HAZ-WP-PULL)	615.50	28.95
28 46 21 33-1431 EA Red, Single Action Fire Alarm Pull Station (Notifier NBG-12S)	72.46	24.13
28 46 21 33-1432 EA Red, Dual Action Fire Alarm Pull Station (Notifier NBG-12)	91.82	24.13
28 46 21 33-1433 EA Red, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12L)	84.74	24.13
28 46 21 33-1434 EA Red, Outdoor, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LOB)	186.18	28.95
28 46 21 33-1435 EA Red, Presignal, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LPS)	112.49	24.13
28 46 21 33-1436 EA Red, Agent Releasing, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LR)	99.55	24.13
28 46 21 33-1437 EA Addressable Manual Dual Action Fire Alarm Pull Station (Notifier NBG-12LX)	157.51	24.13
28 46 21 33-1438 EA Pull Station Trim Plate For New York City, For Use With All NBG Series Pull Stations (Notifier NY-PLATE)	39.09	4.83
28 46 21 33-1439 Rate Compensation Heat Detectors (28 46 21 33-0982)		
28 46 21 33-1440 EA 135 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-135)	150.24	36.19
28 46 21 33-1441 EA 194 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-194)	150.24	36.19
28 46 21 33-1442 FM Series Door Releases (28 46 21 33-0982)		
28 46 21 33-1443 EA 1/2" Door Holder Spacer (Notifier FM900-50)	25.10	7.23
28 46 21 33-1444 EA 3/4" Door Holder Spacer (Notifier FM900-75)	25.10	7.23
28 46 21 33-1445 EA 1" Door Holder Spacer (Notifier FM900-100)	25.10	7.23
28 46 21 33-1446 EA Door Holder Extension Kit (Notifier FM900)	26.42	7.23
28 46 21 33-1447 EA 90 Degree Door Holder Extension Kit (Notifier FM900-Z)	26.87	7.23
28 46 21 33-1448 EA Floor Mounted, 12VDC, 24VAC/DC Or 120VAC, Door Holder (Notifier FM980)	179.43	36.19
28 46 21 33-1449 EA Surface Mounted, 12VDC, 24VAC/DC Or 120VAC, Door Holder (Notifier FM996)	157.31	36.19
28 46 21 33-1450 EA Recessed Mounted, Concealed Wiring, 12VDC, 24VAC/DC Or 120VAC, Door Holder (Notifier FM998)	157.31	36.19
28 46 21 33-1451 Multicriteria Fire Detector (28 46 21 33-0982)		
28 46 21 33-1452 EA Intelligent Addressable Combination Multi-Criteria Fire/Carbon Monoxide Detector With Flashscan (Notifier FCO-851)	268.66	36.19
28 46 21 33-1453 EA Intelligent Addressable Multicriteria Fire Detector (Notifier FSC-851)	249.03	36.19
Note: Detects fire, thermal, photo, CO and IR, with Flashscan.		
28 46 21 33-1454 EA Low Profile Intelligent Addressable Photoelectric Smoke Detector With Built-In 135°F Fixed Temperature Thermal Device (Notifier FSP-851T)	165.16	36.19
28 46 21 33-1455 Modules (28 46 21 33-0982)		
28 46 21 33-1456 EA Intelligent Addressable Dual Monitor/Dual Relay Module (Notifier FDRM-1)	300.73	24.13
28 46 21 33-1457 EA Addressable Firephone Control Module (Notifier FTM-1)	180.29	24.13
28 46 21 33-1458 DH Series Door Releases (28 46 21 33-0982)		
28 46 21 33-1459 EA Semi-Flush, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120FPC)	156.24	36.19
28 46 21 33-1460 EA Semi-Flush, Plated Brass, Electromagnetic Door Holder (Notifier DH24120FB)	165.52	36.19
28 46 21 33-1461 EA Semi-Flush, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120FD)	174.98	36.19
28 46 21 33-1462 EA Surface Mounted, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120SPC)	172.30	36.19
28 46 21 33-1463 EA Surface Mounted, Plated Brass, Electromagnetic Door Holder (Notifier DH24120SB)	180.33	36.19
28 46 21 33-1464 EA Surface Mounted, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120SPD)	186.58	36.19
28 46 21 33-1465 EA Recessed, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120WPC)	156.24	36.19
28 46 21 33-1466 EA Recessed, Plated Brass, Electromagnetic Door Holder (Notifier DH24120WB)	165.16	36.19
28 46 21 33-1467 EA Recessed, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120WD)	174.98	36.19
28 46 21 33-1468 EA Floor Mounted, Single Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC1)	196.39	36.19
28 46 21 33-1469 EA Floor Mounted, Single Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB1)	208.88	36.19
28 46 21 33-1470 EA Floor Mounted, Single Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD1)	233.16	36.19
28 46 21 33-1471 EA Floor Mounted, Double Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC2)	226.72	36.19
28 46 21 33-1472 EA Floor Mounted, Double Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB2)	241.00	36.19
28 46 21 33-1473 EA Floor Mounted, Double Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD2)	258.84	36.19
28 46 21 33-1474 EA .5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE.5PC)	18.21	4.83
28 46 21 33-1475 EA .5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE.5B)	18.21	4.83
28 46 21 33-1476 EA .5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE.5D)	19.64	4.83
28 46 21 33-1477 EA 1" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1PC)	18.21	4.83
28 46 21 33-1478 EA 1" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1B)	18.21	4.83
28 46 21 33-1479 EA 1" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1D)	19.64	4.83
28 46 21 33-1480 EA 1.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5PC)	19.29	4.83
28 46 21 33-1481 EA 1.5" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5APC)	19.29	4.83
28 46 21 33-1482 EA 1.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1.5B)	19.64	4.83
28 46 21 33-1483 EA 1.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1.5D)	20.71	4.83



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				28 46 21 33-1484 EA 2" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2PC).....	20.71	4.83
				28 46 21 33-1485 EA 2" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2APC).....	20.71	4.83
				28 46 21 33-1486 EA 2" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE2B).....	21.25	4.83
				28 46 21 33-1487 EA 2" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE2D).....	21.60	4.83
				28 46 21 33-1488 EA 3" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE3PC).....	21.60	4.83
				28 46 21 33-1489 EA 3" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE3B).....	22.68	4.83
				28 46 21 33-1490 EA 3" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE3D).....	22.68	4.83
				28 46 21 33-1491 EA 4" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4PC).....	23.03	4.83
				28 46 21 33-1492 EA 4" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4APC).....	23.03	4.83
				28 46 21 33-1493 EA 4" Adjustable Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE4AB).....	23.92	4.83
				28 46 21 33-1494 EA 4" Adjustable Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE4AD).....	26.60	4.83
				28 46 21 33-1495 EA 5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE5PC).....	23.92	4.83
				28 46 21 33-1496 EA 5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE5B).....	25.00	4.83
				28 46 21 33-1497 EA 5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE5D).....	26.60	4.83
				28 46 21 33-1498 EA Catch Plate, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHCP).....	25.72	7.23
				28 46 21 33-1499 EA Catch Plate, Plated Brass For Electromagnetic Door Holder (Notifier DHCPB).....	26.43	7.23
				28 46 21 33-1500 EA Catch Plate, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHCPD).....	28.75	7.23
				28 46 21 33-1501 EA Swivel Base, Powder Coated Chrome, For Electromagnetic Door Holder (Notifier DHSBPC).....	45.35	7.23
				28 46 21 33-1502 EA Swivel Base, Plated Brass, For Electromagnetic Door Holder (Notifier DHSBB).....	48.20	7.23
				28 46 21 33-1503 EA Swivel Base, Powder Coated Dark Bronze, For Electromagnetic Door Holder (Notifier DHSBD).....	51.06	7.23
				28 46 21 33-1504 EA Surface Mounted Backbox, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHBPC).....	43.40	12.06
				28 46 21 33-1505 EA Surface Mounted Backbox, Plated Brass For Electromagnetic Door Holder (Notifier DHB).....	45.54	12.06
				28 46 21 33-1506 EA Surface Mounted Backbox, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHB).....	48.58	12.06
				28 46 21 33-1507 EA Swivel Base Mounting Drill Fixture For Electromagnetic Door Holder (Notifier DHDF).....	240.88	
				28 46 21 33-1508 EA Two Piece Extension Wrench (Notifier DHW).....	2.68	
				28 46 21 33-1509 First Command (28 46 21 33-0982)		
				28 46 21 33-1510 EA Black, 120 VAC, 50 Watts, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100).....	4,920.40	603.14
				28 46 21 33-1511 EA Black, 220-240 VAC, 50 Watts, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100E).....	4,920.40	603.14
				28 46 21 33-1512 EA Black, 120 VAC, 50 Watts, 25 VRMS Or 70 VRMS), Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DA).....	1,304.63	48.25
				28 46 21 33-1513 EA Black, 220-240 VAC, 50 Watts, 25 VRMS Or 70 VRMS), Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DAE).....	1,304.63	48.25
				28 46 21 33-1514 EA Black, 120 VAC, 125 Watts, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DA).....	2,368.09	48.25
				28 46 21 33-1515 EA Black, 220-240 VAC, 125 Watts, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DAE).....	2,368.09	48.25
				28 46 21 33-1516 EA 50 Watts, 25 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-25 Volt).....	516.63	24.13
				28 46 21 33-1517 EA 50 Watts, 70 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-70 Volt).....	516.63	24.13
				28 46 21 33-1518 EA Circuit Expander Module For NFC-50/125DA(E), Four Additional Class A/B Speaker Circuits (Notifier NFC-CE4).....	352.48	24.13
				28 46 21 33-1519 EA Circuit Expander Module For NFC-50/100(E), Six Additional Class A/B Speaker Circuits (Notifier NFC-CE6).....	494.33	24.13
				28 46 21 33-1520 EA Standalone Firefighter Telephone System (Notifier NFC-FFT).....	1,758.74	48.25
				Note: Includes onboard SLC supports up to 24 monitor modules, built-in handset, black.		
				28 46 21 33-1521 EA Local Operator Console (Notifier NFC-LOC).....	1,701.64	48.25
				Note: Includes built-in microphone, message and zone control switches, black.		
				28 46 21 33-1522 EA Black, Remote Microphone (Notifier NFC-RM).....	486.06	
				28 46 21 33-1523 EA Remote Page Unit (Notifier NFC-RPU).....	1,442.02	48.25
				Note: Includes built-in microphone, message control switches, black.		
				28 46 21 33-1524 EA Remote Telephone Zone Module (Notifier NFC-RTZM).....	651.35	24.13
				28 46 21 33-1525 EA 70 V Conversion Module For NFC-50/100 (Notifier NFC-XRM-70V).....	268.61	24.13
				28 46 21 33-1526 EA Firefighters Phone Jack (Notifier N-FPJ).....	123.32	7.23
				28 46 21 33-1527 EA Thumbtatch Option For NFC-LOC And NFC-RPU (Notifier THUMBTLCH).....	35.89	7.23
				28 46 21 33-1528 EA Black, Trim Ring For NFC-RPU Cabinet (Notifier TR-6-B).....	108.35	14.48
				28 46 21 33-1529 LED Displays (28 46 21 33-0982)		
				28 46 21 33-1530 EA 2.1" x 27" Programmable LED Indoor Display (Notifier ALPHA-215).....	1,173.10	28.95
				28 46 21 33-1531 EA Instant And Integrated Emergency Notification System (Notifier LEDSIGN-GW).....	1,986.42	38.60
				28 46 21 33-1532 EA 4" x 45-1/2" Programmable LED Array, Mass Notification Device (Notifier MEGADOT).....	2,039.95	38.60
				28 46 21 33-1533 EA 8 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL8).....	1,370.83	38.60
				28 46 21 33-1534 EA 16 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL16).....	2,084.56	38.60
				28 46 21 33-1535 EA LED Sign, Instant And Integrated Emergency Notification System (Notifier OAX2-24V).....	2,039.95	38.60
				28 46 21 33-1536 Control Relays (28 46 21 33-0982)		
				28 46 21 33-1537 EA Single SPDT Relay With LED With Metal Backbox And Red Plastic Cover (Notifier MR-101/CR).....	54.46	12.06
				28 46 21 33-1538 EA Single SPDT Relay With LED With Track Mounting Hardware (Notifier MR-101/T).....	43.76	12.06
				28 46 21 33-1539 EA Four Position SPDT Relay With LEDs With Metal Backbox And Red Plastic Cover (Notifier MR-104/CR).....	141.03	24.13
				28 46 21 33-1540 EA Four Position SPDT Relay With LED With Track Mounting Hardware (Notifier MR-104/T).....	86.58	12.06
				28 46 21 33-1541 EA Four Position DSPDT Relay With LED With Track Mounting Hardware (Notifier MR-204/T).....	102.64	12.06
				28 46 21 33-1542 EA 24 VDC, 30 Amp Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-13C).....	126.76	24.13
				28 46 21 33-1543 EA 120 VAC, 30 Amp Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-14C).....	126.76	24.13
				28 46 21 33-1544 EA Single DPDT Relay With LED With Metal Backbox And Red Plastic Cover (Notifier MR-201/CR).....	82.15	24.13
				28 46 21 33-1545 EA Single DPDT Relay With LED With Track Mounting Hardware (Notifier MR-201/T).....	46.88	12.06
				28 46 21 33-1546 EA Four Position DPDT Relay With LEDs With Metal Backbox And Red Plastic Cover (Notifier MR-204/CR).....	159.77	24.13

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1547	EA		24 VDC/24 VAC/115 VAC, 10 Amp, Form C, Multi-Voltage Relay Module (Notifier PAM-1)	62.52	24.13
28 46 21 33-1548	EA		12/24 VDC, 7 Amp, Form C, Multi-Voltage Relay Module (Notifier PAM-2)	62.52	24.13
28 46 21 33-1549	EA		9 To 40 VDC, 10 Amp, Form C, Multi-Voltage Relay Module (Notifier PAM-4)	62.52	24.13
28 46 21 33-1550			Gamewell-FCI Fire Control Instruments <small>(28 46 21 33-0982)</small>		
28 46 21 33-1551			7100 Series And NetSOLO® <small>(28 46 21 33-1550)</small>		
28 46 21 33-1552			7100 Compact Analog Addressable Fire Alarm Control Panels <small>(28 46 21 33-1551)</small>		
28 46 21 33-1553	EA		Enclosure With Metal Door (Gamewell-FCI 7100-ENCL-M)	799.89	289.51
28 46 21 33-1554	EA		Basic Systems Kit, 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2)	3,284.27	482.51
28 46 21 33-1555	EA		Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2D)	3,541.36	482.51
28 46 21 33-1556	EA		Basic Systems Kit, 2 Signaling Line Circuits (SLC), 240 VAC (Gamewell-FCI BK-7100-2-E)	3,284.27	482.51
28 46 21 33-1557	EA		Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC), 240 VAC (Gamewell-FCI BK-7100-2D-E)	3,541.36	482.51
28 46 21 33-1558	EA		Replacement Board For 7100-1D (Gamewell-FCI BSM-7100-1)	888.59	48.25
28 46 21 33-1559	EA		Replacement Board For 7100-2 (Gamewell-FCI BSM-7100-1D)	1,060.59	48.25
28 46 21 33-1560	EA		Analog Loop Unit (Gamewell-FCI ALU)	1,060.59	48.25
28 46 21 33-1561			NetSOLO® Intelligent Network <small>(28 46 21 33-1551)</small>		
28 46 21 33-1562	EA		Intelligent Network Interface Module, Fiber Optic (Gamewell-FCI INI-7100-FO)	1,173.75	48.25
			Note: Mounted in 7100 panel.		
28 46 21 33-1563	EA		Intelligent Network Interface Module, Unshielded Twisted Pair (Gamewell-FCI INI-7100-UTP)	937.48	48.25
			Note: Mounted in 7100 panel.		
28 46 21 33-1564			Components And Accessories <small>(28 46 21 33-1551)</small>		
28 46 21 33-1565	EA		Remote Serial Annunciator, LCD Display (Gamewell-FCI LCD-7100)	584.75	36.19
28 46 21 33-1566	EA		Remote LED Driver Module, Outputs For Remote Panel Switches And 33 Remote LEDs (Gamewell-FCI LDM-7100)	454.99	48.25
28 46 21 33-1567	EA		Fiber Optic Line Driver Module (Gamewell-FCI FLD-1)	814.37	48.25
28 46 21 33-1568	EA		Class "A" Optional Module For Both Signaling Line Circuits (SLC) (Gamewell-FCI CAOM)	342.74	48.25
28 46 21 33-1569	EA		Replacement Enclosure Box (Gamewell-FCI EN-7100)	307.97	96.51
28 46 21 33-1570	EA		Serial Printer (Order RJAA To Db25 Connector Separately) (Gamewell-FCI P7200-TR-2)	837.62	24.13
28 46 21 33-1571			E3 Series® Basic System <small>(28 46 21 33-1550)</small>		
28 46 21 33-1572	EA		Intelligent Loop Interface, Mother Board (Gamewell-FCI ILI-MB-E3)	808.95	48.25
28 46 21 33-1573	EA		Intelligent Loop Interface, Supplemental (Gamewell-FCI ILI-S-E3)	702.48	48.25
28 46 21 33-1574	EA		Intelligent Loop Interface, Mother Board, XP95 Protocol (Gamewell-FCI ILI95-MB-E3)	808.95	48.25
28 46 21 33-1575	EA		Intelligent Loop Interface, Supplemental, XP95 Protocol (Gamewell-FCI ILI95-S-E3)	702.48	48.25
28 46 21 33-1576	EA		LCD Keypad Display (Gamewell-FCI LCD-E3)	507.63	48.25
28 46 21 33-1577	EA		Power Supply Module (Gamewell-FCI PM-9)	657.62	48.25
28 46 21 33-1578	EA		Transponder 9 Ampere Power Supply (Gamewell-FCI PM-9 INX)	557.18	48.25
28 46 21 33-1579	EA		Power Supply And Charger, 120/220 VAC (Gamewell-FCI PM-9G 9A)	539.24	24.13
28 46 21 33-1580	EA		Digital Alarm Communication Transmitter (Gamewell-FCI DACT-E3)	327.21	48.25
28 46 21 33-1581	EA		Network Repeater, Fiber Optic (Gamewell-FCI RPT-E3-FO)	835.96	48.25
28 46 21 33-1582	EA		Network Repeater, Unshielded Twisted Pair (Gamewell-FCI RPT-E3-UTP)	704.33	48.25
28 46 21 33-1583	EA		Local Operating Console (Gamewell-FCI 1100-0455)	472.44	36.19
28 46 21 33-1584	EA		Network Graphic Annunciator (Gamewell-FCI 1100-0505)	1,482.43	36.19
28 46 21 33-1585	EA		70.7 VRMS Audio Output Series Amplifier Module (Gamewell-FCI AM-50-70)	605.36	48.25
28 46 21 33-1586	EA		INI-VGE-UTP Classic Enabled Voice Gateway Module (Gamewell-FCI 1100-1326)	1,795.25	48.25
28 46 21 33-1587	EA		8-1/4" Wide x 10" High x 4-1/2" Deep Cabinet (Gamewell-FCI E3BB-BAA1)	457.70	96.51
28 46 21 33-1588	EA		C Size, Black, Command Center Enclosure (Gamewell-FCI E3BB-BC/INCC)	349.77	96.51
28 46 21 33-1589	EA		Double Size, Blank, Inner Door Panel (Gamewell-FCI E3-BP)	78.23	24.13
28 46 21 33-1590	EA		Programmable Switch Module (Gamewell-FCI ASM-16)	431.47	48.25
28 46 21 33-1591	EA		LED Driver module (Gamewell-FCI ANU-48)	431.47	48.25
28 46 21 33-1592	EA		Network Graphic Annunciator (Gamewell-FCI NGA)	1,245.13	36.19
28 46 21 33-1593			Addressable Devices, Module, Pulls And Accessories <small>(28 46 21 33-1550)</small>		
28 46 21 33-1594			Velociti® Series Sensors And Bases <small>(28 46 21 33-1593)</small>		
28 46 21 33-1595	EA		Analog Addressable Plug-In Ionization Smoke Sensor (Gamewell-FCI ASD-IL2F)	146.61	36.19
28 46 21 33-1596	EA		Analog Addressable Plug-In Photoelectric Smoke Sensor (Gamewell-FCI ASD-PL2F)	149.33	36.19
28 46 21 33-1597	EA		Analog Addressable Plug-In Photoelectric Smoke Sensor With 135 Degree F Fixed Temperature Thermal Sensing (Gamewell-FCI ASD-PTL2F)	157.47	36.19
28 46 21 33-1598	EA		Addressable Plug-In Thermal Sensor, 15 Degree F Rate Of Rise, 135 Degree F (Gamewell-FCI ATD-RL2F)	124.88	36.19
28 46 21 33-1599	EA		Addressable Plug-In Thermal Sensor, 190 Degree F (Gamewell-FCI ATD-HL2F)	129.41	36.19
28 46 21 33-1600	EA		Addressable Plug-In Thermal Sensor, 135 Degree F (Gamewell-FCI ATD-L2F)	124.88	36.19
28 46 21 33-1601	EA		Addressable Plug-In Multi-Criteria Analog Sensor (Gamewell-FCI MCS-ACCLIMATE2F)	176.48	36.19
28 46 21 33-1602	EA		Analog Addressable Laser Smoke Sensor, Low Profile (Gamewell-FCI ASD-LS)	366.58	36.19
28 46 21 33-1603	EA		Analog Addressable Low Flow Photoelectric Smoke Duct Detector Without Relay (Gamewell-FCI ADPF)	324.31	60.32
28 46 21 33-1604	EA		Analog Addressable Low Flow Photoelectric Smoke Duct Detector With Relay (Gamewell-FCI ADPRF)	360.52	60.32
28 46 21 33-1605	EA		Replacement Duct Detector Board (Gamewell-FCI ADP-F-SB)	190.33	60.32
28 46 21 33-1606	EA		Flanged Mounting Base, For Use With Analog Sensor Or Velociti Sensors (Gamewell-FCI ADB-FLF)	38.61	12.06
28 46 21 33-1607	EA		Harsh Environment Analog Addressable Photoelectric Smoke Sensor (Gamewell-FCI ASD-FILTREX-F)	393.74	36.19
28 46 21 33-1608	EA		Flanged Mounting Base, For Use With ASD-FILTREX Or ASD-FILTREX-F (Gamewell-FCI ADB-FILTREXF)	80.71	12.06



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1609	EA			Addressable Single-Ended Reflected Beam Smoke Sensor (Gamewell-FCI ABD-2F).....	1,366.82	72.38
28 46 21 33-1610				Velociti® Series Modules And Pull Station (28 46 21 33-1593)		
28 46 21 33-1611	EA			Style "B", Class "B" Addressable Monitor Module (Gamewell-FCI AMM-2F)	105.73	24.13
28 46 21 33-1612	EA			Dual Style "B", Class "B" Addressable Monitor Module (Gamewell-FCI AMM-2IF)	163.22	24.13
28 46 21 33-1613	EA			Style "D", Class "A" Addressable Monitor Module (Gamewell-FCI AMM-4F)	114.79	24.13
28 46 21 33-1614	EA			Subloop Style "D", Class "A" Addressable Monitor Module (Gamewell-FCI AMM-4SF)	156.88	24.13
28 46 21 33-1615	EA			Addressable Output Relay Control Module (Gamewell-FCI AOM-2RF)	132.89	24.13
28 46 21 33-1616	EA			Addressable Output Supervised Module (Gamewell-FCI AOM-2SF)	137.42	24.13
28 46 21 33-1617	EA			Addressable Double Action Station, With AMM-2SF Mini-Mod (Gamewell-FCI MS-7AF)	199.25	48.25
28 46 21 33-1618	EA			Addressable Single Action Pull Station (Gamewell-FCI MS-7ASF)	141.49	24.13
28 46 21 33-1619	EA			Telephone Filters (Gamewell-FCI AOM-TEL-FL).....	23.23	4.83
28 46 21 33-1620				Components And Accessories (28 46 21 33-1593)		
28 46 21 33-1621	EA			Remote LED Annunciator Alarm (Gamewell-FCI RA400Z)	61.23	19.30
				Note: Mounts on single gang box.		
28 46 21 33-1622	EA			Up To 2' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-1.5)	30.62	9.65
28 46 21 33-1623	EA			>2' To 4' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-3).....	32.43	9.65
28 46 21 33-1624	EA			>4' To 8' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-5).....	39.07	12.06
28 46 21 33-1625	EA			>8' To 10' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-10).....	60.63	14.48
28 46 21 33-1626	EA			Remote Test Station With LED Alarm And Magnet Test Switch (Gamewell-FCI RTS451).....	89.29	19.30
				Note: Mounts on single gang box.		
28 46 21 33-1627				Fixed And Rate of Rise Heat Detectors (28 46 21 33-1593)		
28 46 21 33-1628	EA			135 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5601P)	87.77	36.19
28 46 21 33-1629	EA			194 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5602).....	87.77	36.19
28 46 21 33-1630	EA			135 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5603)	87.77	36.19
28 46 21 33-1631	EA			194 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5604)	87.77	36.19
28 46 21 33-1632				NAC Expander/Power Supply (28 46 21 33-1593)		
28 46 21 33-1633	EA			FireForce 8 NAC Expander/Power Supply, 12/24 VDC, 8 Amp, 4 Notification Appliance Circuits, Built-in Synchronization Protocols For Gamewell, Wheelock, Gentex, Faraday, And System Sensor (Gamewell-FCI FF8).....	1,423.78	386.00
28 46 21 33-1634	EA			6A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-6).....	1,251.79	386.00
28 46 21 33-1635	EA			9A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-9).....	1,337.79	386.00
28 46 21 33-1636				Batteries And Accessories (28 46 21 33-1550)		
28 46 21 33-1637	EA			B-17R, 12 VDC, 17 Amp Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2010A)	203.95	24.13
28 46 21 33-1638	EA			B-55R, 12 VDC, 55 Amp Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2710A)	499.06	24.13
28 46 21 33-1639	EA			B-7R, 12 VDC, 7 Amp Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2311A)	113.43	24.13
28 46 21 33-1640	EA			BC-1, Battery Cabinet, Beige (Gamewell-FCI 1100-0653)	260.36	48.25
28 46 21 33-1641	EA			BC-1R, Battery Cabinet, Red (Gamewell-FCI 1100-0654)	260.36	48.25
28 46 21 33-1642	EA			12"H x 12"W x 24"L Vented Steel Battery Cabinet With Hinged Key Lockable Cover (Gamewell-FCI GW70970).....	234.11	48.25
28 46 21 33-1643				Electronic Door Holders (28 46 21 33-1550)		
				Note: Rixson products.		
28 46 21 33-1644	EA			XK-996, Door Holder Extender Kit, 1-1/2" Spacer (Gamewell-FCI 140-30000).....	36.26	4.83
28 46 21 33-1645	EA			FM-980, Floor Mount Door Holder, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90000).....	289.64	36.19
28 46 21 33-1646	EA			FM-981, Floor Mount Holder For Double Doors, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90001)	388.31	36.19
28 46 21 33-1647	EA			FM-990, Low Profile Mount Door Holder, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90002)	191.33	36.19
28 46 21 33-1648	EA			FM-996, Surface Mount Door Holder, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90003)	183.18	36.19
28 46 21 33-1649	EA			FM-997 Recessed Mount Door Holder, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90004).....	191.33	36.19
28 46 21 33-1650	EA			FM-998, Recessed Mount Door Holder With Concealed Wiring, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90005)	190.97	36.19
28 46 21 33-1651				SpectrAlert® Advance Wall Mount 2-Wire Horn/Strobes (28 46 21 33-1550)		
				See CSI section 28 46 21 33-1840 for devices.		
28 46 21 33-1652				SpectrAlert® Advance Accessories (28 46 21 33-1550)		
				See CSI section 28 46 21 33-1840 for backboxes, 28 46 21 33-2107 for backboxes.		
28 46 21 33-1653				Fire Alarm Programming (28 46 21 33-1550)		
				Note: For device replacement projects only. Do not use these tasks on projects where a fire alarm panel is replaced.		
28 46 21 33-1654	EA			Program And Test Up To 5 Fire Alarm Devices.....	500.00	
28 46 21 33-1655	EA			Program And Test >5 To 20 Fire Alarm Devices	1,000.00	
28 46 21 33-1656	EA			Program And Test >20 To 50 Fire Alarm Devices	2,000.00	
28 46 21 33-1657				Fire-Lite Fire Alarm (28 46 21 33-0981)		
28 46 21 33-1658				Addressable Control Panels (28 46 21 33-1657)		
28 46 21 33-1659	EA			25 Point Intelligent Control (Fire Lite MS-25).....	1,486.03	482.51
28 46 21 33-1660	EA			50 Point Intelligent Control (Fire Lite MS-9050UD).....	1,612.80	482.51
28 46 21 33-1661	EA			198-Point Intelligent Control (Fire Lite MS-9200UDLS)	2,290.70	482.51
28 46 21 33-1662	EA			636-Point Intelligent Control (Fire Lite MS-9600LS)	3,329.12	482.51

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1663	EA		636-Point Intelligent Control (Fire Lite MS-9600UDLS)	3,208.17	482.51
28 46 21 33-1664	EA		IP And 4G Cellur Fire Alram Communicator For Fire Alarm Control Panel (Fire-Lite IPGSM-4G)	385.71	
28 46 21 33-1665			Silent Knight Fire Alarm <small>(28 46 21 33-0981)</small>		
28 46 21 33-1666	EA		Addressable Fire Alarm Control Panel With Integrated Emergency Communication System (Silent Knight 5820XL-EVS)	3,318.80	241.25
28 46 21 33-1667	EA		Supervised Remote Command Unit (Silent Knight EVS-RCU)	1,392.80	144.75
28 46 21 33-1668	EA		50 Watt Amplifier (Silent Knight EVS-50W)	974.93	96.51
28 46 21 33-1669	EA		125 Watt Amplifier (Silent Knight EVS-125W)	1,710.02	96.51
28 46 21 33-1670	EA		Voice Evacuation System (Silent Knight SKE-450)	1,637.16	96.51
28 46 21 33-1671	EA		Fire Fighters Telephone (Silent Knight SK-FFT)	1,363.94	96.51
28 46 21 33-1672	EA		Multi-Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5820XL)	1,412.31	144.75
28 46 21 33-1673	EA		Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5808)	1,046.48	96.51
28 46 21 33-1674	EA		Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5700)	807.81	96.51
28 46 21 33-1675	EA		Hybrid Conventional Fire Alarm Control/Communicator System (Silent Knight 5600)	701.17	96.51
28 46 21 33-1676	EA		Combination Fire And CO Detector (Silent Knight SK-FIRE-CO)	225.59	36.19
28 46 21 33-1677	EA		Photoelectric Detector (Silent Knight SK-PHOTO)	134.06	36.19
28 46 21 33-1678	EA		Photoelectric Thermal Detector (Silent Knight SK-PHOTO-T)	140.43	36.19
28 46 21 33-1679	EA		Ionization Smoke Detector (Silent Knight SK-ION)	141.14	36.19
28 46 21 33-1680	EA		135 Degree Fixed Temperature Detector (Silent Knight SK-HEAT)	124.68	36.19
28 46 21 33-1681	EA		190 Degree Fixed Temperature Detector (Silent Knight SK-HEAT-HT)	130.50	36.19
28 46 21 33-1682	EA		135 Degree Fixed Temperature Rate-of-Rise Detector (Silent Knight SK-HEAT-ROR)	132.64	36.19
28 46 21 33-1683	EA		Sounder Base (Silent Knight B200SR)	76.57	12.06
28 46 21 33-1684	EA		Intelligent Sounder Base (Silent Knight B200S)	80.83	12.06
28 46 21 33-1685	EA		Isolator Base (Silent Knight B224BI)	64.54	12.06
28 46 21 33-1686	EA		Relay Base (Silent Knight B224RB)	65.24	12.06
28 46 21 33-1687	EA		Multi-Criteria Photoelectric Detector With Thermal Sensing (Silent Knight SK-ACCLIMATE)	143.37	36.19
28 46 21 33-1688	EA		Photoelectric Duct Detector (Silent Knight SK-DUCT)	222.93	36.19
28 46 21 33-1689	EA		Single-Ended Reflected Beam Smoke Detector (Silent Knight SK-BEAM)	754.12	36.19
28 46 21 33-1690	EA		Single-Ended Reflected Beam Smoke Detector (Silent Knight SK-BEAM-T)	859.50	36.19
28 46 21 33-1691	EA		Dual Monitor Module (Silent Knight SK-MONITOR-2)	167.94	36.19
28 46 21 33-1692	EA		Supervised Control Module (Silent Knight SK-CONTROL)	142.00	36.19
28 46 21 33-1693	EA		Six Circuit Supervised Control Module (Silent Knight SK-CONTROL-6)	451.97	48.25
28 46 21 33-1694	EA		Relay Control Module (Silent Knight SK-RELAY)	119.24	24.13
28 46 21 33-1695	EA		Six Relay Control Module (Silent Knight SK-RELAY-6)	437.48	48.25
28 46 21 33-1696	EA		Zone Interface Module (Silent Knight SK-ZONE)	144.73	36.19
28 46 21 33-1697	EA		Six Zone Interface Module (Silent Knight SK-ZONE-6)	520.42	48.25
28 46 21 33-1698	EA		Monitor Module (Silent Knight SK-MONITOR)	126.25	36.19
28 46 21 33-1699	EA		10 Input Monitor Module (Silent Knight SK-MON-10)	504.63	48.25
28 46 21 33-1700	EA		Monitor Module (Silent Knight SK-MINIMON)	118.46	36.19
28 46 21 33-1701	EA		Fault Isolator Module (Silent Knight SK-ISO)	130.50	36.19
28 46 21 33-1702	EA		Addressable Heat Sensor (Silent Knight SD505-AHS)	128.38	36.19
28 46 21 33-1703	EA		Analog Ionization Smoke Detector (Silent Knight SD505-AIS)	138.42	36.19
28 46 21 33-1704	EA		Addressable Photoelectric Smoke Detector (Silent Knight SD505-APS)	130.50	36.19
28 46 21 33-1705	EA		6" Addressable Sounder Base (Silent Knight SD505-6SB)	92.89	12.06
28 46 21 33-1706	EA		6" Addressable Relay Base (Silent Knight SD505-6RB)	87.92	12.06
28 46 21 33-1707	EA		6" Isolator Base (Silent Knight SD505-6IB)	80.13	12.06
28 46 21 33-1708	EA		Addressable Input Module (Silent Knight SD500-AIM)	129.80	36.19
28 46 21 33-1709	EA		Addressable Notification Module (Silent Knight SD500-ANM)	157.01	36.19
28 46 21 33-1710	EA		Addressable Relay Module (Silent Knight SD500-ARM)	142.00	36.19
28 46 21 33-1711	EA		SLC Annunciator Driver Module (Silent Knight SD500-LED)	527.86	72.38
28 46 21 33-1712	EA		Loop Isolation Module (Silent Knight SD500-LIM)	134.75	36.19
28 46 21 33-1713	EA		Addressable Mini Input Module (Silent Knight SD500-MIM)	104.25	24.13
28 46 21 33-1714	EA		Single Action Addressable Pull Station (Silent Knight SD500-PS)	131.52	24.13
28 46 21 33-1715	EA		Dual Action Addressable Pull Station (Silent Knight SD500-PSDA)	126.06	24.13
28 46 21 33-1716	EA		Back Box (Silent Knight SK-PSSMBB)	61.46	19.30
28 46 21 33-1717	EA		Smoke Detector Module (Silent Knight SD500-SDM)	148.82	36.19
28 46 21 33-1718	EA		Addressable Smoke 4" Detector Base (Silent Knight SD505-4AB)	37.09	12.06
28 46 21 33-1719	EA		Addressable Smoke 6" Detector Base (Silent Knight SD505-6AB)	37.09	12.06
28 46 21 33-1720	EA		Addressable Duct Housing (Silent Knight SD505-DUCT)	232.26	36.19
28 46 21 33-1721	EA		Addressable Duct Housing With Built-In Relay (Silent Knight SD505-DUCTR)	297.54	36.19
28 46 21 33-1722	EA		Addressable Duct Detector Test Switch (Silent Knight SD505-DTS)	133.34	36.19
28 46 21 33-1723	EA		Intelligent Power Module (Silent Knight 5895XL)	757.78	96.51
28 46 21 33-1724	EA		Addressable Power Supply (Silent Knight 5496)	530.49	72.38
28 46 21 33-1725	EA		Relay Interface Board (Silent Knight 5883)	201.46	24.13
28 46 21 33-1726	EA		Remote LED Annunciator (Silent Knight 5865-3)	413.78	48.25
28 46 21 33-1727	EA		Remote LED Annunciator (Silent Knight 5865-4)	466.17	48.25
28 46 21 33-1728	EA		Remote LCD Annunciator (Silent Knight SK-5860)	452.81	72.38
28 46 21 33-1729	EA		Serial/Parallel Printer Interface (Silent Knight 5824)	284.07	24.13
28 46 21 33-1730	EA		LED Input/Output Module (Silent Knight / IntelliKnight 5880)	336.99	36.19
28 46 21 33-1731	EA		Addressable Pull Station (Silent Knight SK-Pull-DA/SA)	126.06	24.13
28 46 21 33-1732	EA		Digital Fire Communicator with Cabinet (Silent Knight SK-5104)	434.37	72.38
28 46 21 33-1733	EA		Communicator (Silent Knight IPGSM-4G)	617.94	48.25
28 46 21 33-1734	EA		Ten Zone Conventional Fire Alarm Control Panel (Silent Knight SK-5208)	985.33	96.51
28 46 21 33-1735	EA		10 Zone Expander (Silent Knight SK-5217)	274.75	24.13
28 46 21 33-1736	EA		Remote Annunciator (Silent Knight SK-5235)	285.70	48.25
28 46 21 33-1737	EA		Status Display Module (Silent Knight 5280)	87.24	24.13
28 46 21 33-1738	EA		Serial/Parallel Module (Silent Knight 5824)	332.33	48.25
28 46 21 33-1739	EA		Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4)	578.74	96.51
28 46 21 33-1740	EA		Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4E)	589.27	96.51



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1741	EA			Dress Panel (Silent Knight SK-DP2/4).....	112.04	24.13
28 46 21 33-1742	EA			Class A Convertor (Silent Knight SK-CAC4).....	280.22	36.19
28 46 21 33-1743	EA			Transmitter Module (Silent Knight SK-4XTM).....	155.65	36.19
28 46 21 33-1744	EA			LED Interface Module (Silent Knight SK-4XLM).....	144.73	36.19
28 46 21 33-1745	EA			110 VAC Transformer, 3-6A (Silent Knight SK-XRM24).....	142.44	24.13
28 46 21 33-1746	EA			Remote Annunciator (Silent Knight SK-RZA4).....	144.73	36.19
28 46 21 33-1747	EA			Zone Relay Module (Silent Knight SK-4XZM).....	154.28	36.19
28 46 21 33-1748	EA			Two Zone Conventional Fire Alarm Control Panel (Silent Knight SK-2).....	506.32	96.51
28 46 21 33-1749	EA			Remote Battery Box Accessory Cabinet (Silent Knight RBB).....	126.06	24.13
28 46 21 33-1750	EA			Manual Pull Station (single action) (Silent Knight PS-SATK).....	74.68	24.13
28 46 21 33-1751	EA			Manual Pull Station (dual action) (Silent Knight PS-DATK).....	79.96	24.13
28 46 21 33-1752	EA			Manual Pull Station (dual action) (Silent Knight PS-DA).....	78.47	24.13
28 46 21 33-1753	EA			Dual Action Manual Pull Station, Hex Key (Silent Knight PS-DAH).....	71.24	24.13
28 46 21 33-1754	EA			Dual Action Listed Outdoor Manual Pull Station With Black Box (Silent Knight PS-DALOB).....	148.00	28.95
28 46 21 33-1755	EA			6 Amp, 24 VDC, Distributed Power Module (with cabinet) (Silent Knight SK-5495).....	500.21	72.38
28 46 21 33-1756	EA			9 Amp, 24 VDC, Distributed Power Module (with cabinet) (Silent Knight SK-5499).....	558.14	72.38
28 46 21 33-1757	EA			Detector (Silent Knight IDP-PhotoR).....	182.86	36.19
28 46 21 33-1758	EA			Monitoring Module (Silent Knight IDP).....	182.97	36.19
28 46 21 33-1759	EA			Cabinet (Silent Knight SK-5207).....	261.05	72.38
28 46 21 33-1760	EA			Innovair IDP-Product (Silent Knight Innovair IDP-Pduct).....	339.00	24.13
28 46 21 33-1761	EA			I/O Input-Output Module (Silent Knight SK-2880).....	455.30	24.13
28 46 21 33-1762	EA			Remote Annunciator (Silent Knight RA-2000).....	1,307.75	72.38
28 46 21 33-1763	EA			Power Supply (Silent Knight 5195/96).....	804.20	24.13
28 46 21 33-1764	EA			8 Zone Expander (Silent Knight SK-5210).....	629.75	24.13
28 46 21 33-1765	EA			LCD Remote Annunciator (Silent Knight SK-5230).....	272.37	48.25
28 46 21 33-1766	EA			Ionization Smoke Detector (Silent Knight SK-ION).....	141.14	36.19
28 46 21 33-1767	EA			Addressable Relay Module (Silent Knight IDP-Relay).....	159.60	36.19
28 46 21 33-1768	EA			Telephone Line Monitor (Silent Knight SK-7150).....	100.59	24.13
28 46 21 33-1769	EA			Serial Driver Board (Silent Knight SK-2884).....	177.34	24.13
28 46 21 33-1770	EA			Smoke Detector Base (Silent Knight IDP-6AB).....	53.21	12.06
28 46 21 33-1771	EA			Mini Input Module (Silent Knight IDP-MINIMON).....	135.47	24.13
28 46 21 33-1772	EA			Status Display Module (Silent Knight SK-4180).....	466.93	24.13
28 46 21 33-1773	EA			8-Channel Digital Communicator (Silent Knight SK-1420).....	280.85	24.13
28 46 21 33-1774	EA			Serial Parallel Module (Silent Knight SK-4824).....	257.59	24.13
28 46 21 33-1775	EA			Power Supply (Silent Knight SK-5197 / SK-5198).....	920.50	24.13
28 46 21 33-1776	EA			4-Zone Fire Alarm Control Panel, Complete (Silent Knight SK-5204).....	1,588.60	96.51
28 46 21 33-1777	EA			Intelligent Ionization Smoke Detector (Silent Knight IDP-ION).....	188.68	36.19
28 46 21 33-1778	EA			Intelligent Photoelectric Smoke Detector (Silent Knight IDP-Photo).....	159.60	36.19
28 46 21 33-1779	EA			Fire Slave Communicator Dialer (Silent Knight SK-5128).....	301.85	24.13
28 46 21 33-1780	EA			Intelligent Power Module (with cabinet) (Silent Knight SK-5496).....	530.49	72.38
28 46 21 33-1781	Alerton <small>(28 46 21 33)</small>					
28 46 21 33-1782	EA			UL Listed Surge Protector In CHS-M3 Or CPU2-640 Chassis (Alerton ESD-100).....	433.80	7.23
28 46 21 33-1783	Cooper Fire Alarm <small>(28 46 21 33)</small>					
28 46 21 33-1784	EA			Single Circuit Class A / Multiple B, 12 Or 24 VDC, Sync Module (Cooper DSM-12/24-R).....	155.31	24.13
28 46 21 33-1785	EA			Red Lens, 21 Joules, 24 VDC, Class I, Div 1, Groups C, D, NEMA 4X And 6, Strobe (Cooper EP109205-001).....	2,538.15	41.01
28 46 21 33-1786	EA			Red, 100 dB, 24 VDC, Class I, Div 1, Groups C, D, NEMA 4X, Multitone Horn (Cooper EP109206-002).....	3,341.09	41.01
28 46 21 33-1787	EA			Red Lens, 5 Joules, 24 VDC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-001).....	1,235.80	48.25
28 46 21 33-1788	EA			Clear Lens, 5 Joules, 24 VDC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-002).....	1,242.94	48.25
28 46 21 33-1789	EA			Amber Lens, 5 Joules, 110 VAC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-007).....	1,242.94	48.25
28 46 21 33-1790	EA			Red Lens, 10 Joules, 24 VDC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-001).....	927.11	48.25
28 46 21 33-1791	EA			Amber Lens, 10 Joules, 120 VAC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-003).....	927.11	48.25
28 46 21 33-1792	EA			Red Lens, 10 Joules, 120 VAC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-004).....	927.11	48.25
28 46 21 33-1793	EA			Amber Lens, 15 Joules, 120 VAC, Wire Guard, Black Finish, Backstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-005).....	1,242.94	48.25
28 46 21 33-1794	EA			Amber Lens, 15 Joules, 120 VAC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-006).....	1,242.94	48.25
28 46 21 33-1795	EA			Red Lens, 15 Joules, 120 VAC, Wire Guard, Black Finish, Backstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-007).....	1,242.94	48.25
28 46 21 33-1796	EA			Red Lens, 15 Joules, 120 VAC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-008).....	1,242.94	48.25
28 46 21 33-1797	EA			Red Lens, 15 Joules, 24 VDC, Wire Guard, Blackstrap, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109203-002).....	1,242.94	48.25
28 46 21 33-1798	EA			Red Lens, 21 Joules, 24 VDC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-001).....	1,427.61	48.25
28 46 21 33-1799	EA			Red Lens, 21 Joules, 24 VDC, Black Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-003).....	1,327.69	48.25
28 46 21 33-1800	EA			Amber Lens, 21 Joules, 110 VAC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-005).....	1,327.69	48.25
28 46 21 33-1801	EA			Red Lens, 21 Joules, 110 VAC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-006).....	1,327.69	48.25

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1802 Light Engineered Displays Message Boards <small>(28 46 21 33)</small>		
28 46 21 33-1803 EA Two Message Sign, "Announcement" And "Evacuate" (LED SP-2/MNS).....	454.91	28.95
28 46 21 33-1804 EA Four Message Sign, "Fire", "Weather", "Announcement", "E Voltuate" (LED SP-4).....	553.05	28.95
28 46 21 33-1805 STI Fire Alarm <small>(28 46 21 33)</small>		
28 46 21 33-1806 EA Pull Station Polycarbonate Cover, Semi Flush With Horn (STI-1100).....	108.20	14.48
Note: Include 9 VDC self contained battery.		
28 46 21 33-1807 EA Surface Mounted, Manual Pull Station Polycarbonate Cover With Horn (STI-1130).....	142.25	14.48
28 46 21 33-1808 EA Flush Mounted, Manual Pull Station Polycarbonate Cover (STI-1200).....	96.19	14.48
28 46 21 33-1809 EA Surface Mounted, Horn Strobe Polycarbonate Cover (STI-1210D).....	87.34	14.48
Note: For surface mounted horn strobes.		
28 46 21 33-1810 EA Flush Mounted, Horn Strobe Polycarbonate Cover (STI-1210E).....	77.61	14.48
28 46 21 33-1811 EA Strobe Damage Stopper And Open Backbox With Conduit Knockout (STI-1221D).....	87.34	14.48
Note: For surface mounted strobe.		
28 46 21 33-1812 EA Strobe Damage Stopper And Open Backbox, Semi Flush (STI-1221E).....	87.14	14.48
28 46 21 33-1813 EA NEMA 4X Rated Polycarbonate Dome Cover (STI-1229).....	177.05	14.48
28 46 21 33-1814 EA Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-1230).....	115.65	14.48
Note: For surface mounted pull stations.		
28 46 21 33-1815 EA Backplate For Polycarbonate Cover (STI-1280).....	53.71	14.48
28 46 21 33-1816 EA Conduit Gasket For Polycarbonate Cover (STI-3003).....	38.09	14.48
28 46 21 33-1817 EA Conduit Spacer For Surface Mounted Polycarbonate Cover (STI-3100).....	63.52	14.48
28 46 21 33-1818 EA Weather Resistant, Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-3150).....	119.95	14.48
28 46 21 33-1819 EA 8.5" x 6.5" x 4.6", Thumb Lock, Lockable Enclosure (STI-7511A).....	106.34	14.48
28 46 21 33-1820 EA 24.7" x 19.7" x 7.3", Key Lock, Lockable Enclosure (STI-7550).....	552.65	14.48
28 46 21 33-1821 EA Flush Mounted, Smoke Detector Polycarbonate Cover (STI-8100).....	86.05	14.48
28 46 21 33-1822 EA Flush Mounted, Low Profile, Smoke Detector Steel Wire Cover (STI-9601).....	79.36	14.48
28 46 21 33-1823 EA Surface Mounted, Low Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9602).....	73.11	14.48
28 46 21 33-1824 EA Flush Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9604).....	79.36	14.48
28 46 21 33-1825 EA Surface Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9605).....	73.11	14.48
28 46 21 33-1826 EA Flush Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9609).....	79.36	14.48
28 46 21 33-1827 EA Surface Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9610).....	73.11	14.48
28 46 21 33-1828 EA Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9625).....	132.44	14.48
28 46 21 33-1829 EA White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705).....	67.31	14.48
28 46 21 33-1830 EA Red, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705-R).....	67.31	14.48
28 46 21 33-1831 EA Flush Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9706).....	102.11	14.48
28 46 21 33-1832 EA Surface Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9707).....	102.11	14.48
28 46 21 33-1833 EA White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708).....	73.56	14.48
28 46 21 33-1834 EA Red, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708-R).....	73.56	14.48
28 46 21 33-1835 EA White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9711).....	67.31	14.48
28 46 21 33-1836 EA Flush Mounted, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9713).....	73.11	14.48
28 46 21 33-1837 EA White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9714).....	73.56	14.48
28 46 21 33-1838 EA Yellow, "High Threat", Push Button Station (STI SS-2201).....	75.82	7.23
28 46 21 33-1839 EA Gasket Kit For STI Covers (STI SUB-121).....	33.88	
28 46 21 33-1840 System Sensor Fire Alarm <small>(28 46 21 33)</small>		
28 46 21 33-1841 Smoke Detectors <small>(28 46 21 33-1840)</small>		
28 46 21 33-1842 EA Beam Detector Heater Kit (System Sensor BEAMHK).....	45.34	4.83
28 46 21 33-1843 EA Reflectors, Beam Detector Heater Kit (System Sensor BEAMHKR).....	183.62	4.83
Note: Four used with long range kit.		
28 46 21 33-1844 EA Projected Beam Smoke Detector Long Range Kit (System Sensor BEAMLRK).....	232.12	48.25
28 46 21 33-1845 EA Wall Or Ceiling Mounted, Projected Beam Smoke Detector Multi-Mount Kit (System Sensor BEAMMMK).....	172.34	48.25
28 46 21 33-1846 EA Projected Beam Smoke Detector Surface Mounted Kit (System Sensor BEAMSMK).....	142.01	48.25
28 46 21 33-1847 EA Two Wire, Photoelectric Smoke Detector (System Sensor 2W-B).....	129.89	36.19
28 46 21 33-1848 EA Two Wire, Photoelectric Smoke Detector With Thermal Sensor (System Sensor 2WT-B).....	132.15	36.19
28 46 21 33-1849 EA Two Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 2WTA-B).....	136.08	36.19
28 46 21 33-1850 EA Four Wire, Photoelectric Smoke Detector (System Sensor 4W-B).....	131.88	36.19
28 46 21 33-1851 EA Four Wire, Photoelectric Smoke Detector With Thermal Sensor, 12/24 VDC (System Sensor 4WT-B).....	141.08	36.19
28 46 21 33-1852 EA Four Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 4WTA-B).....	139.18	36.19
28 46 21 33-1853 EA Four Wire, Photoelectric Smoke Detector With Isolated Thermal Sensor, Built In Sounder, Form C Relay (System Sensor 4WITAR-B).....	168.73	36.19
28 46 21 33-1854 EA Photoelectric, Low-Profile, Smoke Detector Head (System Sensor 2151).....	100.00	24.13
28 46 21 33-1855 EA Photoelectric With Thermal Sensor, Low-Profile, Smoke Detector Head (System Sensor 2151T).....	112.49	24.13
Note: Requires B100 series base.		
28 46 21 33-1856 EA Heavy Duty Multi-Mount Kit (System Sensor 6500-MMK).....	209.70	12.06
28 46 21 33-1857 EA Surface-Mount Kit For Use With Beam1224 And FSB-200 When Using 6500-MMK Heavy Duty Multi-Mount Kit (System Sensor 6500-SMK).....	73.20	12.06
28 46 21 33-1858 Duct Smoke Detectors <small>(28 46 21 33-1840)</small>		
28 46 21 33-1859 EA Two Wire Conventional Photoelectric Duct Detector (Includes 2151 Detector) (System Sensor D2).....	271.55	36.19
28 46 21 33-1860 EA Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120).....	274.45	36.19
28 46 21 33-1861 EA Watertight, Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120W).....	352.58	41.01
28 46 21 33-1862 EA Sensor Only, Four Wire Conventional Photoelectric Duct Detector (System Sensor D4S).....	178.51	24.13
28 46 21 33-1863 EA Duct Accessory Coil (Required On DNR If A Remote Test Station Is Used) (System Sensor DCOIL).....	48.38	7.23
28 46 21 33-1864 EA Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNR).....	153.61	19.30
28 46 21 33-1865 EA Watertight, Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNRW).....	249.08	24.13
28 46 21 33-1866 EA 1' Steel Sampling Tube (System Sensor DST1).....	29.11	9.65



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1867 EA 1.5' Steel Sampling Tube (System Sensor DST1.5).....	31.34	9.65
28 46 21 33-1868 EA 3' Steel Sampling Tube (System Sensor DST3).....	35.80	9.65
28 46 21 33-1869 EA 5' Steel Sampling Tube (System Sensor DST5).....	42.27	12.06
28 46 21 33-1870 EA 10' Steel Sampling Tube (System Sensor DST10).....	66.20	14.48
28 46 21 33-1871 EA 1', Steel, Exhaust Tube Duct (System Sensor ETX).....	32.24	9.65
28 46 21 33-1872 EA Remote Test Station For Duct Smoke Detector (System Sensor RTS151).....	73.87	12.06
28 46 21 33-1873 EA Detector Installation/Removal Tool Kit For 700 Series Detectors (System Sensor XR2).....	156.13	
28 46 21 33-1874 EA Detector Installation/Removal Tool Kit For 800 And 355 Series Detectors (System Sensor XR2B).....	167.73	
28 46 21 33-1875 Heat Detectors (28 46 21 33-1840)		
28 46 21 33-1876 EA Single Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5601P).....	90.96	36.19
28 46 21 33-1877 EA Single Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5602).....	90.96	36.19
28 46 21 33-1878 EA Dual Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5621).....	105.11	36.19
28 46 21 33-1879 EA Dual Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5622).....	105.11	36.19
28 46 21 33-1880 Horns (28 46 21 33-1840)		
28 46 21 33-1881 EA Red, Mini Horn (System Sensor MHR).....	96.91	36.19
28 46 21 33-1882 EA White, Mini Horn (System Sensor MHW).....	96.91	36.19
28 46 21 33-1883 EA White, 12/24 VDC, Wall Mounted Horn Only (System Sensor HW).....	109.40	36.19
28 46 21 33-1884 EA Red, Outdoor, Wall Mounted Replacement Horn (System Sensor HRK-R).....	122.18	41.01
28 46 21 33-1885 EA Red, Interior, Wall Mounted, Horn (System Sensor HR).....	109.10	36.19
28 46 21 33-1886 EA Red, Outdoor, Wall Mounted, Horn (System Sensor HRK).....	129.89	36.19
28 46 21 33-1887 Wall Mounted Horns/Strobes (28 46 21 33-1840)		
28 46 21 33-1888 EA Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2R).....	140.18	36.19
28 46 21 33-1889 EA Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RH).....	145.54	36.19
28 46 21 33-1890 EA Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK).....	185.52	41.01
28 46 21 33-1891 EA Plain, Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-P).....	185.52	41.01
28 46 21 33-1892 EA Low Frequency, Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RH-LF).....	193.71	36.19
28 46 21 33-1893 EA Outdoor Backbox, Red, 120 VAC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-120).....	198.90	41.01
28 46 21 33-1894 EA Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK).....	175.26	41.01
28 46 21 33-1895 EA Plain, Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-P).....	180.17	41.01
28 46 21 33-1896 EA Replacement, Outdoor, Red, , Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-R).....	157.14	36.19
28 46 21 33-1897 EA Plain, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2R-P).....	140.18	36.19
28 46 21 33-1898 EA White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2W).....	140.18	36.19
28 46 21 33-1899 EA White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH).....	146.43	36.19
28 46 21 33-1900 EA Low Frequency, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH-LF).....	193.71	36.19
28 46 21 33-1901 EA Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK).....	185.52	41.01
28 46 21 33-1902 EA Plain, Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK-P).....	185.52	41.01
28 46 21 33-1903 EA Plain, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH-P).....	145.54	36.19
28 46 21 33-1904 EA Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK).....	180.17	41.01
28 46 21 33-1905 EA Plain, Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK-P).....	180.17	41.01
28 46 21 33-1906 EA Plain, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2W-P).....	140.18	36.19
28 46 21 33-1907 EA Red, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4R).....	158.20	36.19
28 46 21 33-1908 EA Red, Four Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P4RH).....	161.74	36.19
28 46 21 33-1909 EA Outdoor Backbox, Red, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK).....	186.43	41.01
28 46 21 33-1910 EA Replacement, Outdoor, Red, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK-R).....	176.60	41.01
28 46 21 33-1911 EA White, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4W).....	158.92	36.19
28 46 21 33-1912 EA Outdoor Backbox, White, Four Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor PC4WHK).....	181.95	41.01
28 46 21 33-1913 EA Outdoor Backbox, White, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4WK).....	187.30	41.01
28 46 21 33-1914 Ceiling Mounted Horns/Strobes (28 46 21 33-1840)		

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1915	EA		Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2R)	140.18	36.19
28 46 21 33-1916	EA		Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RH)	147.32	36.19
28 46 21 33-1917	EA		Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RHK)	185.52	41.01
28 46 21 33-1918	EA		Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RK)	180.17	41.01
28 46 21 33-1919	EA		Plain, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2R-P)	141.08	36.19
28 46 21 33-1920	EA		White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2W)	140.18	36.19
28 46 21 33-1921	EA		White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH)	147.32	36.19
28 46 21 33-1922	EA		Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WHK)	185.52	41.01
28 46 21 33-1923	EA		Plain, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH-P)	147.32	36.19
28 46 21 33-1924	EA		Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WK)	180.17	41.01
28 46 21 33-1925	EA		Plain, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2W-P)	140.18	36.19
28 46 21 33-1926	EA		Red, Ceiling Mounted, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Horn/Strobe (System Sensor PC4R)	158.20	36.19
28 46 21 33-1927	EA		Red, Ceiling Mounted, Four Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Horn/Strobe (System Sensor PC4RH)	161.74	36.19
28 46 21 33-1928	EA		White, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC4W)	158.92	36.19
28 46 21 33-1929			Wall Mounted Strobes <small>(28 46 21 33-1840)</small>		
28 46 21 33-1930	EA		White Strobe Expander Plate Backbox Skirt (System Sensor SEP-BBSW)	54.46	12.06
28 46 21 33-1931	EA		White Strobe Expander Plate With Standard Candela (System Sensor SEP-SW)	100.86	12.06
28 46 21 33-1932	EA		Red, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SR)	126.35	36.19
28 46 21 33-1933	EA		Red, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRH)	138.73	36.19
28 46 21 33-1934	EA		Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK)	167.85	41.01
28 46 21 33-1935	EA		Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK)	166.08	41.01
28 46 21 33-1936	EA		Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-P)	166.79	41.01
28 46 21 33-1937	EA		Replacement Unit, Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-R)	147.16	41.01
28 46 21 33-1938	EA		Red, Plain, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SR-P)	126.80	36.19
28 46 21 33-1939	EA		White, 12/24 VDC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SW)	126.80	36.19
28 46 21 33-1940	EA		White, Amber Lens, 12/24 VDC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SW-ALERT)	136.62	36.19
28 46 21 33-1941	EA		White, Clear Lens, 12/24 VDC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SW-CLR-ALERT)	133.94	36.19
28 46 21 33-1942	EA		White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH)	139.29	36.19
28 46 21 33-1943	EA		White, Amber Lens, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-ALERT)	138.40	36.19
28 46 21 33-1944	EA		White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-P)	138.40	36.19
28 46 21 33-1945	EA		Red, Plain, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-P)	168.57	41.01
28 46 21 33-1946	EA		White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK)	168.57	41.01
28 46 21 33-1947	EA		White, Plain, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK-P)	168.57	41.01
28 46 21 33-1948	EA		Replacement Unit, Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-R)	150.73	41.01
28 46 21 33-1949	EA		White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK)	166.79	41.01
28 46 21 33-1950	EA		White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK-P)	166.79	41.01
28 46 21 33-1951	EA		White, Plain, 12/24 VDC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SW-P)	125.91	36.19
28 46 21 33-1952	EA		Amber, Wall Strobe Lens Attachment (System Sensor LENS-A)	19.46	4.83
28 46 21 33-1953	EA		Blue, Wall Strobe Lens Attachment (System Sensor LENS-B)	19.46	4.83
28 46 21 33-1954	EA		Green, Wall Strobe Lens Attachment (System Sensor LENS-G)	19.46	4.83
28 46 21 33-1955	EA		Red, Wall Strobe Lens Attachment (System Sensor LENS-R)	19.46	4.83
28 46 21 33-1956			Ceiling Mounted Strobes <small>(28 46 21 33-1840)</small>		
28 46 21 33-1957	EA		Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCR)	126.35	36.19



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1958 EA Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRH)	140.50	36.19
28 46 21 33-1959 EA Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRHK)	167.85	41.01
28 46 21 33-1960 EA Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCRK)	167.85	41.01
28 46 21 33-1961 EA White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCW)	126.80	36.19
28 46 21 33-1962 EA Clear Lens, White, Two Wire, 12/24 VDC, Standard Candela, Ceiling Mounted Strobe (System Sensor SCW-CLR-ALERT)	133.94	36.19
28 46 21 33-1963 EA White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWH)	141.08	36.19
28 46 21 33-1964 EA Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWHK)	168.57	41.01
28 46 21 33-1965 EA Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCWK)	166.79	41.01
28 46 21 33-1966 EA Plain, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCW-P).....	127.69	36.19
28 46 21 33-1967 EA Blue, Ceiling Strobe Lens Attachment (System Sensor LENS-BC)	19.46	4.83
28 46 21 33-1968 EA Red, Ceiling Strobe Lens Attachment (System Sensor LENS-RC).....	19.46	4.83
28 46 21 33-1969 EA Green, Ceiling Strobe Lens Attachment (System Sensor LENS-GC).....	19.46	4.83
28 46 21 33-1970 EA Amber, Ceiling Strobe Lens Attachment (System Sensor LENS-AC).....	19.46	4.83
28 46 21 33-1971 Wall Mounted Speakers (28 46 21 33-1840)		
28 46 21 33-1972 EA 24 VDC, 4 Field Selectable Sound Pulse Patterns, Directional Sound Speaker With Voice And Integral Audio Amplifier (System Sensor PF24V)	294.53	36.19
28 46 21 33-1973 EA Red, Wall Mounted Speaker (System Sensor SPR)	106.88	36.19
28 46 21 33-1974 EA Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK)	153.12	36.19
28 46 21 33-1975 EA Replacement Unit, Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK-R).....	135.11	41.01
28 46 21 33-1976 EA Red, High dB, Wall Mounted Speaker (System Sensor SPRV).....	116.62	36.19
28 46 21 33-1977 EA White, Wall Mounted Speaker (System Sensor SPW).....	107.17	36.19
28 46 21 33-1978 EA White, Outdoor, Wall Mounted Speaker (System Sensor SPWK)	162.77	41.01
28 46 21 33-1979 EA White, High dB, Wall Mounted Speaker (System Sensor SPWV).....	116.99	36.19
28 46 21 33-1980 Ceiling Mounted Speakers (28 46 21 33-1840)		
28 46 21 33-1981 EA Red, Ceiling Mounted Speaker (System Sensor SPCR)	106.88	36.19
28 46 21 33-1982 EA Outdoor, Ceiling Mounted Speaker (System Sensor SPCRK).....	152.45	36.19
28 46 21 33-1983 EA Red, High dB, Ceiling Mounted Speaker (System Sensor SPCRV)	116.62	36.19
28 46 21 33-1984 EA White, Ceiling Mounted Speaker (System Sensor SPCW)	107.17	36.19
28 46 21 33-1985 EA White, High dB, Ceiling Mounted Speaker (System Sensor SPCWV).....	116.99	36.19
28 46 21 33-1986 EA White, Outdoor, Ceiling Mounted Speaker (System Sensor SPCWK).....	162.77	41.01
28 46 21 33-1987 Wall Mounted Speakers/Strobes (28 46 21 33-1840)		
28 46 21 33-1988 EA White Speaker Strobe Expander Plate With Standard Candela (System Sensor SEP-SPSW).....	108.89	12.06
28 46 21 33-1989 EA White Speaker Strobe Expander Plate Backbox Skirt (System Sensor SPSEP-BBSW)	54.46	12.06
28 46 21 33-1990 EA Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSR)	162.62	36.19
28 46 21 33-1991 EA Red, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRH).....	172.35	36.19
28 46 21 33-1992 EA Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK).....	227.12	41.01
28 46 21 33-1993 EA Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-P)	228.34	41.01
28 46 21 33-1994 EA Replacement Unit, Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-R)	196.23	41.01
28 46 21 33-1995 EA Red, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSR-P).....	163.38	36.19
28 46 21 33-1996 EA Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRV).....	167.04	36.19
28 46 21 33-1997 EA White, Amber Lens, Wall Mounted, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSW-ALERT).....	183.01	36.19
28 46 21 33-1998 EA White, Clear Lens, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-CLR-ALERT)	231.91	41.01
28 46 21 33-1999 EA White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSW)	163.38	36.19
28 46 21 33-2000 EA White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH).....	173.19	36.19
28 46 21 33-2001 EA White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH-P).....	173.19	36.19
28 46 21 33-2002 EA White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK).....	228.34	41.01
28 46 21 33-2003 EA White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-P).....	228.34	41.01
28 46 21 33-2004 EA White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSW-P).....	163.38	36.19
28 46 21 33-2005 EA White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV).....	167.84	36.19
28 46 21 33-2006 EA White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV-P).....	167.84	36.19

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-2007 Ceiling Mounted Speakers/Strobes <small>(28 46 21 33-1840)</small>					
28 46 21 33-2008	EA		Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCR).....	162.62	36.19
28 46 21 33-2009	EA		Red, Selectable Candela (135, 150, 177, 185) Candela, High-Candela, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRH)	174.12	36.19
28 46 21 33-2010	EA		Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115), Ceiling Mounted Speaker/Strobe (System Sensor SPSCRV)	167.04	36.19
28 46 21 33-2011	EA		White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCW)	163.38	36.19
28 46 21 33-2012	EA		White, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCW-CLR-ALERT)	174.98	36.19
28 46 21 33-2013	EA		White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH)	173.19	36.19
28 46 21 33-2014	EA		White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWHK)	231.02	41.01
28 46 21 33-2015	EA		White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH-P)	173.19	36.19
28 46 21 33-2016	EA		White, Outdoor, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK-CLR-ALERT)	231.91	41.01
28 46 21 33-2017	EA		White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK)	228.34	41.01
28 46 21 33-2018	EA		White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCW-P)	163.38	36.19
28 46 21 33-2019	EA		White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV)	167.84	36.19
28 46 21 33-2020	EA		White, High-Candela/High dB, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWVH)	173.19	36.19
28 46 21 33-2021	EA		White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV-P)	167.84	36.19
28 46 21 33-2022	EA		High-Candela/High dB, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRVH)	172.94	36.19
28 46 21 33-2023 Electric Alarm Bells <small>(28 46 21 33-1840)</small>					
28 46 21 33-2024	EA		6" 24 Volt DC Alarm Bell (System Sensor SSM24-6)	126.80	36.19
28 46 21 33-2025	EA		8" 24 Volt DC Alarm Bell (System Sensor SSM24-8)	136.62	36.19
28 46 21 33-2026	EA		10" 24 Volt DC Alarm Bell (System Sensor SSM24-10)	159.28	36.19
28 46 21 33-2027	EA		6" 120 Volt AC Alarm Bell (System Sensor SSV120-6)	123.25	36.67
28 46 21 33-2028	EA		8" 120 Volt AC Alarm Bell (System Sensor SSV120-8)	124.42	36.67
28 46 21 33-2029	EA		10" 120 Volt AC Alarm Bell (System Sensor SSV120-10)	131.85	36.67
28 46 21 33-2030 Device Bases <small>(28 46 21 33-1840)</small>					
28 46 21 33-2031	EA		High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base (System Sensor B200S)	92.83	12.06
28 46 21 33-2032	EA		Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base (System Sensor B200SR)	90.60	12.06
28 46 21 33-2033	EA		Intelligent Isolator Base (System Sensor B224BI)	75.21	12.06
28 46 21 33-2034	EA		Intelligent Relay Base (System Sensor B224RB)	76.32	12.06
28 46 21 33-2035	EA		Flangeless, Intelligent Detector Base (System Sensor B501)	44.43	12.06
28 46 21 33-2036 Boxes, Plates And Decals <small>(28 46 21 33-1840)</small>					
28 46 21 33-2037	EA		Two Wire, Flanged, 12/24 VDC, Low-Profile, Adapter Base (System Sensor B110LP)	38.85	12.06
28 46 21 33-2038	EA		Four Wire, Form A And C, 24 VDC Low-Profile, Adapter Base (System Sensor B112LP)	72.22	14.48
28 46 21 33-2039	EA		Conventional Flanged Mounting Base (System Sensor B210LP)	37.51	12.06
28 46 21 33-2040	EA		120 VAC, Mounting Plate, For Spectralert Advance Devices (System Sensor MP120K)	69.63	12.06
28 46 21 33-2041	EA		Red, Wall Mounted, Metal, Weatherproof Backbox (System Sensor MWBB)	61.60	12.06
28 46 21 33-2042	EA		White, Ceiling Mounted, Metal, Weatherproof Backbox (System Sensor MWBBCW)	67.85	12.06
28 46 21 33-2043	EA		White, Wall Mounted, Metal, Weatherproof Backbox (System Sensor MWBBW)	61.60	12.06
28 46 21 33-2044	EA		Red Retrofit Plate (System Sensor RFP)	30.18	7.23
28 46 21 33-2045	EA		White Retrofit Plate (System Sensor RFPW)	30.18	7.23
28 46 21 33-2046	EA		Red, Wall Mounted, Weatherproof Backbox (System Sensor SA-WBB)	52.68	12.06
28 46 21 33-2047	EA		Red, Ceiling Mounted, Weatherproof Backbox (System Sensor SA-WBBC)	54.02	12.06
28 46 21 33-2048	EA		Red, Ceiling Mounted, Surface Mounted, Backbox (System Sensor SBBR)	45.10	12.06
28 46 21 33-2049	EA		White, Ceiling Mounted, Surface Mounted, Backbox (System Sensor SBBCW)	45.10	12.06
28 46 21 33-2050	EA		Red, Wall Mounted, Surface Mounted, Backbox (System Sensor SBBR)	38.85	12.06
28 46 21 33-2051	EA		Red, Wall Mounted, Surface Mounted, Backbox For Speaker (System Sensor SBBSPR)	43.31	12.06
28 46 21 33-2052	EA		White, Wall Mounted, Surface Mounted, Backbox For Speaker (System Sensor SBBSPW)	43.31	12.06
28 46 21 33-2053	EA		White, Wall Mounted, Surface Mounted, Backbox (System Sensor SBBW)	38.85	12.06
28 46 21 33-2054	EA		Surface Mounted Box For Intelligent Control Or Monitor Modules (System Sensor SMB500)	38.40	12.06
28 46 21 33-2055	EA		Surface Mounted Box For 400 And 500 Series Detectors And Sounder Bases (System Sensor SMB600)	38.40	12.06
28 46 21 33-2056	EA		Red, Wall Mounted, Trim Ring (System Sensor TR)	16.16	4.83
28 46 21 33-2057	EA		Red, Ceiling Mounted, Trim Ring (System Sensor TRC)	16.16	4.83
28 46 21 33-2058	EA		White, Ceiling Mounted, Trim Ring (System Sensor TRCW)	16.16	4.83
28 46 21 33-2059	EA		Red, Wall Mounted Horn/Strobe Trim Ring (System Sensor TR-HS)	14.07	4.83
28 46 21 33-2060	EA		White, Wall Mounted, Trim Ring (System Sensor TRW)	16.16	4.83
28 46 21 33-2061	EA		Red Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-R)	20.53	
28 46 21 33-2062	EA		Red Decals, Three Pack, Spectralert Advance Ceiling Products (System Sensor DECAL-RC)	28.48	
28 46 21 33-2063	EA		White Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-W)	20.53	
28 46 21 33-2064	EA		White Decals, Three Pack, Spectralert Advance Wall Products (System Sensor DECAL-WC)	28.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-2065 Chimes <small>(28 46 21 33-1840)</small>		
28 46 21 33-2066 EA Red, 12/24 VDC, Ceiling Or Wall Mounted Chime (System Sensor CHR)	112.53	36.19
28 46 21 33-2067 EA White, 12/24 VDC, Ceiling Or Wall Mounted Chime (System Sensor CHW)	112.53	36.19
28 46 21 33-2068 Chime/Strobes <small>(28 46 21 33-1840)</small>		
28 46 21 33-2069 EA Red, 15, 15/75, 30, 75 , 110 Multi-Candela, 24 VDC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSR)	196.39	36.19
28 46 21 33-2070 EA White, 15, 15/75, 30, 75 , 110 Multi-Candela, 24 VDC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSW)	196.39	36.19
28 46 21 33-2071 Carbon Monoxide Detectors <small>(28 46 21 33-1840)</small>		
28 46 21 33-2072 EA Conventional Carbon Monoxide Detector (System Sensor CO1224)	208.43	48.25
28 46 21 33-2073 EA Round, Sounder And Trouble Relay With Test Function, 12/24 VDC, Conventional Carbon Monoxide Detector (System Sensor CO1224TR)	185.24	36.19
28 46 21 33-2074 EA CO Detector Plate For Replacing Round CO Detectors With The CO1224T (System Sensor CO-PLATE)	13.22	4.83
28 46 21 33-2075 Switches <small>(28 46 21 33-1840)</small>		
28 46 21 33-2076 EA SPDT Switch, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-1)	155.47	19.30
28 46 21 33-2077 EA Two SPDT Switches, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-2)	173.32	19.30
28 46 21 33-2078 EA SPDT Switch, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-1)	155.47	19.30
28 46 21 33-2079 EA Two SPDT Switches, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-2)	173.32	19.30
28 46 21 33-2080 EA Outside Screw And Yoke Valve, Two SPDT, Supervisory Switch (System Sensor OSY2)	159.04	19.30
28 46 21 33-2081 EA Post Indicator Butterfly Valve, SPDT, Supervisory Switch (System Sensor PIBV2)	150.12	19.30
28 46 21 33-2082 Low Frequency Sounders <small>(28 46 21 33-1840)</small>		
28 46 21 33-2083 EA Red, Low Frequency Sounder (System Sensor HR-LF)	141.97	36.19
28 46 21 33-2084 EA White, Low Frequency Sounder (System Sensor HW-LF)	141.97	36.19
28 46 21 33-2085 Sync Modules <small>(28 46 21 33-1840)</small>		
28 46 21 33-2086 EA Red, 12/24 VDC, Sync Module (System Sensor MDL3R)	124.08	24.13
28 46 21 33-2087 EA White, 12/24 VDC, Sync Module (System Sensor MDL3W)	124.08	24.13
28 46 21 33-2088 Relays <small>(28 46 21 33-1840)</small>		
28 46 21 33-2089 EA Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10E)	71.34	19.30
28 46 21 33-2090 EA SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10T)	45.90	12.06
28 46 21 33-2091 EA 4-Gang Relay, Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14E)	129.40	12.06
28 46 21 33-2092 EA 4-Gang Relay, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14T)	95.73	12.06
28 46 21 33-2093 EA Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20E)	76.43	19.30
28 46 21 33-2094 EA DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20T)	47.33	12.06
28 46 21 33-2095 EA 4-Gang Relay, Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24E)	145.46	12.06
28 46 21 33-2096 EA 4-Gang Relay, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24T)	108.89	12.06
28 46 21 33-2097 EA 18 To 35 VDC, 18 To 35 VAC, 120 VAC, SPDT Multivoltage Relay (System Sensor PR-1)	40.19	12.06
28 46 21 33-2098 EA 10 To 40 VDC, SPDT Multivoltage Relay (System Sensor PR-2)	40.19	12.06
28 46 21 33-2099 EA Redundant Power Input, 10 To 40 VDC, SPDT Multivoltage Relay (System Sensor PR-3)	40.19	12.06
28 46 21 33-2100 Remote Annunciator <small>(28 46 21 33-1840)</small>		
28 46 21 33-2101 EA Remote Annunciator (System Sensor RA100Z)	84.69	36.19
28 46 21 33-2102 EA Remote LED Annunciator (System Sensor RA100ZA)	89.68	36.19
28 46 21 33-2103 Remote Test Station <small>(28 46 21 33-1840)</small>		
28 46 21 33-2104 EA Remote Test Station With Key (System Sensor RTS151KEY)	111.78	36.19
28 46 21 33-2105 Fire Alarm Digital Cellular Communicator <small>(28 46 21 33)</small>		
28 46 21 33-2106 EA Digital Cellular Communicator With Antenna And Red Enclosure (Telular Telguard TG-7FS)	446.51	48.25
28 46 21 33-2107 Wheelock Fire Alarm <small>(28 46 21 33)</small>		
28 46 21 33-2108 Ceiling Mounted Chimes/Strobes <small>(28 46 21 33-2107)</small>		
28 46 21 33-2109 EA White, Round, Selectable Candela (15, 30, 75, 100 Candela), 24 VDC, Ceiling Mounted Chime/Strobe (Wheelock CH90-24MCC-FW)	227.62	36.19
28 46 21 33-2110 Wall Mounted Chimes/Strobes <small>(28 46 21 33-2107)</small>		
28 46 21 33-2111 EA Red, Selectable Candela (15, 30, 75, 110 Candela), 24 VDC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FR)	227.62	36.19
28 46 21 33-2112 EA White, Selectable Candela (15, 30, 75, 110 Candela), 24 VDC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FW)	227.62	36.19

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21	33-2113		Ceiling Mounted Horns/Strobes (28 46 21 33-2107)		
	28 46 21 33-2114	EA	Red, Two Wire, 12/24 VDC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSRC)	144.64	36.19
	28 46 21 33-2115	EA	White, Two Wire, 12/24 VDC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSWC)	144.64	36.19
28 46 21	33-2116		Wall Mounted Horns/Strobes (28 46 21 33-2107)		
	28 46 21 33-2117	EA	Red, Weatherproof, 24 VDC, 75 Candela, Wall Mounted, Horn/Strobe (Wheelock ASWP-2475W-FR)	154.46	36.19
	28 46 21 33-2118	EA	Red, 24 VDC, 15/75 Candela, Continuous Or Code 3 Tone, Wall Mounted Horn/Strobe (Wheelock HS4-241575 Watt-FR)	174.09	36.19
	28 46 21 33-2119	EA	Red, 24 VDC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FR)	162.49	36.19
	28 46 21 33-2120	EA	White, 24 VDC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FW)	162.49	36.19
	28 46 21 33-2121	EA	Red, Flush, 24 VAC, 15/75 Candela, Sync/Non-Sync, Wall Mounted Horn/Strobe (Wheelock MT-241575 Watt-FR)	166.06	36.19
	28 46 21 33-2122	EA	Red, 24 VAC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock MT-24MCW-FR)	159.37	36.19
	28 46 21 33-2123	EA	Red, 115 VAC, Wall Mounted Horn/Strobe (Wheelock MT4-115-WH-VFR)	158.92	36.19
	28 46 21 33-2124	EA	Red, Weatherproof, 24 VDC, 75 Candela, Wall Mounted Horn/Strobe (Wheelock MTWP-2475W-FR)	179.28	41.01
	28 46 21 33-2125	EA	Red, Two Wire, 12/24 VDC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSR)	145.09	36.19
	28 46 21 33-2126	EA	White, Two Wire, 12/24 VDC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSW)	145.09	36.19
28 46 21	33-2127		Ceiling Mounted Strobes (28 46 21 33-2107)		
	28 46 21 33-2128	EA	Red, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FR)	129.92	36.19
	28 46 21 33-2129	EA	White, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FW)	129.92	36.19
	28 46 21 33-2130	EA	Red, Two Wire, 12/24 VDC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STRC)	132.15	36.19
	28 46 21 33-2131	EA	White, Two Wire, 12/24 VDC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STWC)	132.15	36.19
28 46 21	33-2132		Wall Mounted Strobes (28 46 21 33-2107)		
	28 46 21 33-2133	EA	Red, Multi-Candela, 24 VDC, Wall Mounted Strobe (Wheelock AMT-24MCW-FR)	197.28	36.19
	28 46 21 33-2134	EA	Red, Retrofit Plate, 12 VDC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSSP-121575W-FR)	161.60	36.19
	28 46 21 33-2135	EA	Red, 24 VDC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSS-241575W-FR)	142.86	36.19
	28 46 21 33-2136	EA	Red, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FR)	133.94	36.19
	28 46 21 33-2137	EA	White, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FW)	133.94	36.19
	28 46 21 33-2138	EA	Red, Retrofit Plate, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSSP-24MCW-FR)	146.88	36.19
	28 46 21 33-2139	EA	Outdoor, Red, 24 VDC, 75 Candela, Wall Mounted Strobe (Wheelock RSSWP-2475W-FR)	151.62	41.01
			Note: Requires WPSBB-R.		
	28 46 21 33-2140	EA	Red, Two Wire, 12/24 VDC, Multi-Candela, Wall Mounted Strobe (Wheelock STR)	132.15	36.19
	28 46 21 33-2141	EA	White, Two Wire, 12/24 VDC, Multi-Candela, Wall Mounted Strobe (Wheelock STW)	132.15	36.19
28 46 21	33-2142		Ceiling Mounted Speakers/Strobes (28 46 21 33-2107)		
	28 46 21 33-2143	EA	Red, 24 VDC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FR)	172.30	36.19
	28 46 21 33-2144	EA	White, 24 VDC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FW)	172.30	36.19
	28 46 21 33-2145	EA	White, 24 VDC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E70-24MCC-FW)	170.52	36.19
	28 46 21 33-2146	EA	White, 24 VDC, Multi-Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FW)	172.30	36.19
	28 46 21 33-2147	EA	White, 24 VDC, Multi-Candela 115/177, Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FW)	183.45	36.19
	28 46 21 33-2148	EA	White, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Speaker/Strobe (Wheelock ET90-24MCC-FW)	187.47	36.19
28 46 21	33-2149		Wall Mounted Speakers/Strobes (28 46 21 33-2107)		
	28 46 21 33-2150	EA	Red, Square, 24 VDC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FR)	189.25	36.19
	28 46 21 33-2151	EA	White, Square, 24 VDC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FW)	189.25	36.19
	28 46 21 33-2152	EA	Red, 24 VDC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCC-FR)	183.45	36.19
	28 46 21 33-2153	EA	White, 24 VDC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCC-FW)	183.45	36.19
	28 46 21 33-2154	EA	Red, Square, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FR)	172.30	36.19
	28 46 21 33-2155	EA	White, Square, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FW)	168.73	36.19
	28 46 21 33-2156	EA	Red, 24 VDC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FR)	183.45	36.19
	28 46 21 33-2157	EA	White, 24 VDC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FW)	183.45	36.19
	28 46 21 33-2158	EA	Red, Square, 24 VDC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E70-241575 Watt-FR)	187.47	36.19
	28 46 21 33-2159	EA	Red, Square, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FR)	172.30	36.19
	28 46 21 33-2160	EA	White, Square, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FW)	168.73	36.19
	28 46 21 33-2161	EA	Red, 24 VDC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FR)	183.45	36.19
	28 46 21 33-2162	EA	White, 24 VDC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FW)	187.47	36.19
	28 46 21 33-2163	EA	Red, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FR)	187.47	36.19



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-2164	EA		White, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FW)	187.47	36.19
28 46 21 33-2165	EA		Weatherproof, Red, 24 VDC, 75 Candela, Wall Mounted Speaker Strobe/(Wheelock ET70WP-2475 W-FR)	204.70	41.01
			Note: Requires weatherproof backbox (IOB).		
28 46 21 33-2166			Electric Alarm Bells (28 46 21 33-2107)		
28 46 21 33-2167	EA		6", 24 VDC, Red, Vibrating Bell (Wheelock 43T-G6-24-R)	147.77	36.19
28 46 21 33-2168	EA		6", 115 VAC, Red, Vibrating Bell (Wheelock 43T-G6-115-R)	147.77	36.19
28 46 21 33-2169	EA		10", 115 VAC, Red, Vibrating Bell (Wheelock 43T-G10-115-R)	189.25	36.19
28 46 21 33-2170	EA		115 VAC, Single Stroke, Red, 10" Explosion Proof Bell (Wheelock CSX10-115-R)	1,251.65	41.01
28 46 21 33-2171	EA		Outdoor, 115 VAC, Single Stroke, Red, 10" Explosion Proof Bell (Wheelock CSXG10-115-R)	1,973.41	41.01
28 46 21 33-2172	EA		Vibrating, Outdoor, 115 VAC, Single Stroke, Red, 10" Explosion Proof Bell (Wheelock CVXG10-115-R)	1,844.05	41.01
28 46 21 33-2173	EA		6", ADA, 24 VDC, Red, Motor Bell (Wheelock MB-G6-24-R)	121.00	36.19
28 46 21 33-2174	EA		10", ADA, 24 VDC, Red, Motor Bell (Wheelock MB-G10-24-R)	141.97	36.19
28 46 21 33-2175			Horns (28 46 21 33-2107)		
28 46 21 33-2176	EA		Two Wire, 24 VDC, Indoor Or Outdoor, Continuous Or Code 3, Sync Or Non Sync Horn (Wheelock AH-24WP-R)	108.07	36.19
28 46 21 33-2177	EA		Red, Two Wire, 12/24 VDC, Wall Mounted Horn (Wheelock HNR)	107.62	36.19
28 46 21 33-2178	EA		White, Two Wire, 12/24 VDC, Wall Mounted Horn (Wheelock HNW)	107.62	36.19
28 46 21 33-2179	EA		Red, Two Wire, 12/24 VDC, Ceiling Mounted Horn (Wheelock HNRC)	108.07	36.19
28 46 21 33-2180	EA		White, Two Wire, 12/24 VDC, Ceiling Mounted Horn (Wheelock HNWC)	108.07	36.19
28 46 21 33-2181	EA		Red, 24 VDC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-R)	92.90	36.19
28 46 21 33-2182	EA		White, 24 VDC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-W)	92.90	36.19
28 46 21 33-2183	EA		Red, Flush, 12/24 VAC, Horn (Wheelock MT-12/24-R)	105.84	36.19
28 46 21 33-2184			Speakers (28 46 21 33-2107)		
28 46 21 33-2185	EA		Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Mounted Speaker (Wheelock E50-R)	110.74	36.19
28 46 21 33-2186	EA		White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Mounted Speaker (Wheelock E50-W)	110.74	36.19
28 46 21 33-2187	EA		Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Ceiling Mounted Speaker (Wheelock E60-R)	110.74	36.19
28 46 21 33-2188	EA		White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Ceiling Mounted Speaker (Wheelock E60-W)	108.51	36.19
28 46 21 33-2189	EA		Red, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Or Ceiling Mounted Speaker (Wheelock E70-R)	110.74	36.19
28 46 21 33-2190	EA		White, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Or Ceiling Mounted Speaker (Wheelock E70-W)	110.74	36.19
28 46 21 33-2191	EA		Red, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Or Ceiling Mounted Speaker (Wheelock E90-R)	110.74	36.19
28 46 21 33-2192	EA		White, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Or Ceiling Mounted Speaker (Wheelock E90-W)	110.74	36.19
28 46 21 33-2193	EA		Red, Flush Or Surface, Square, 1/8 - 8 Watts, Wall Mounted Speaker (Wheelock ET70-R)	125.02	36.19
28 46 21 33-2194	EA		White, Flush Or Surface, Square, 1/8 - 8 Watts, Wall Mounted Speaker (Wheelock ET70-W)	125.02	36.19
28 46 21 33-2195	EA		White, Round, 25 Or 70.7 VRMS, 1/8 - 8 Watts Ceiling Mounted Speaker (Wheelock ET90-W)	126.80	36.19
28 46 21 33-2196	EA		Red, Surface Mounted, Vandal Resistant, Square, 1/8 - 8 Watts, Wall Or Ceiling Mounted Speaker (Wheelock ET-1010-R)	139.74	36.19
28 46 21 33-2197	EA		Red, Flush Mounted, Vandal Resistant, Square, 1/8 - 8 Watts, Wall Or Ceiling Mounted Speaker (Wheelock ET-1080-R)	133.94	36.19
28 46 21 33-2198	EA		Grey, 1 To 15 Watts, 25/70/100 V Transformer, Loud Speaker (Wheelock STH-15S)	249.92	36.19
28 46 21 33-2199	EA		Red, 1 To 15 Watts, 25/70/100 V Transformer, Loud Speaker (Wheelock STH-15SR)	249.92	36.19
28 46 21 33-2200			Sync Modules (28 46 21 33-2107)		
28 46 21 33-2201	EA		12 Or 24 VDC, Single Circuit Class B, Sync Module (Wheelock SM-12/24-R)	117.84	24.13
28 46 21 33-2202			Boxes, Plates And Rings (28 46 21 33-2107)		
28 46 21 33-2203	EA		4" Square, Red, Surface Backbox (Wheelock BB-R)	32.38	12.06
28 46 21 33-2204	EA		Standard 4" Square Box (Wheelock BB-STD)	30.02	12.06
28 46 21 33-2205	EA		Black, Backbox For UZC-256 (Wheelock BB-UZC)	160.66	24.13
28 46 21 33-2206	EA		Red, Backbox For UZC-256 (Wheelock BB-UZC-R)	160.66	24.13
28 46 21 33-2207	EA		9" x 12" x 2.75", For Two XP Boards, Surface Mounted Cabinet (Wheelock BB-XP)	119.79	19.30
28 46 21 33-2208	EA		Red, Extender Ring For E60 Series (Wheelock E60EXT-R)	17.46	4.83
28 46 21 33-2209	EA		White, Extender Ring For E60 Series (Wheelock E60EXT-W)	17.23	4.83
28 46 21 33-2210	EA		Red, Surface Mounted Backbox For E50 Speakers (Wheelock E50SB-R)	41.53	12.06
28 46 21 33-2211	EA		White, Surface Mounted Backbox For E50 Speakers (Wheelock E50SB-W)	39.74	12.06
28 46 21 33-2212	EA		Red, Surface Mounted Backbox For E50 Speaker Strobe (Wheelock E50SSB-R)	42.42	12.06
28 46 21 33-2213	EA		White, Surface Mounted Backbox For E50 Speaker Strobe (Wheelock E50SSB-W)	42.42	12.06
28 46 21 33-2214	EA		4" Square Backbox (Wheelock DBB-R)	34.39	12.06
28 46 21 33-2215	EA		Red, Surface Backbox (Wheelock IOB-R)	40.63	12.06
28 46 21 33-2216	EA		White, Surface, Backbox (Wheelock IOB-W)	40.63	12.06
28 46 21 33-2217	EA		White, Indoor, Surface Extender (Wheelock ISP2-W)	16.56	4.83
28 46 21 33-2218	EA		Red, RS/RSS Strobe Trim Plate (Wheelock NATP-R)	17.23	4.83
28 46 21 33-2219	EA		White, RS/RSS Strobe Trim Plate (Wheelock NATP-W)	17.23	4.83
28 46 21 33-2220	EA		Red Retrofit Plate (Wheelock RP-R)	19.91	4.83
28 46 21 33-2221	EA		4" Speaker/Strobe Ceiling Tile Support Bracket (Wheelock SSB-4)	28.39	4.83
28 46 21 33-2222	EA		Red, Surface Mounted, Backbox For Chimes, Speakers (Wheelock SBB-R)	42.42	12.06
28 46 21 33-2223	EA		White, Surface Mounted, Backbox For Chimes, Speaker (Wheelock SBB-W)	42.42	12.06
28 46 21 33-2224	EA		Red, Surface Mounted, Backbox For With RSSP (Wheelock SBL2-R)	45.76	12.06
28 46 21 33-2225	EA		Red, Semi-Flush Plate (Wheelock SFB-R)	17.90	4.83
28 46 21 33-2226	EA		White, Semi-Flush Plate (Wheelock SFB-W)	17.90	4.83
28 46 21 33-2227	EA		Red, Shallow Surface Mounted, Backbox (Wheelock SHBB-R)	37.51	12.06
28 46 21 33-2228	EA		White, Shallow Surface Mounted, Backbox (Wheelock SHBB-W)	37.51	12.06
28 46 21 33-2229	EA		Red, Adapter Plate For Mounting Sth-15S And Sth-15SR (Wheelock SHMP-R)	24.59	4.83
28 46 21 33-2230	EA		Red, Weatherproof Backbox (Wheelock WBB)	52.68	12.06

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-2231	EA		Weather Resistant Backbox (Wheelock WBB-R).....	42.42	12.06
28 46 21 33-2232	EA		Red, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-R).....	31.28	4.83
28 46 21 33-2233	EA		White, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-W).....	31.28	4.83
28 46 21 33-2234	EA		Red, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFP-R).....	31.28	4.83
28 46 21 33-2235	EA		White, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFP-W).....	31.28	4.83
28 46 21 33-2236	EA		Gasket Kit For Rear Wiring To Outdoor Backbox (Wheelock WP-KIT).....	17.90	4.83
28 46 21 33-2237	EA		Weather Resistant Backbox For ASWP (Wheelock WPBB-R).....	44.65	12.06
28 46 21 33-2238	EA		Weather Resistant Backbox For RSSWP (Wheelock WPSBB-R).....	42.42	12.06
28 46 21 33-2239			Manual Pull Station (28 46 21 33-2107)		
28 46 21 33-2240	EA		SPST, Single Action, Manual Pull Station (Eaton Wheelock MPS-100).....	89.67	24.13
28 46 21 33-2241	EA		SPST, Double Action, Manual Pull Station (Eaton Wheelock MPS-200).....	89.67	24.13
28 46 21 33-2242	EA		Explosion Proof, Single Action Manual Pull Station (Eaton Wheelock MPS-400X).....	673.67	24.13
28 46 21 33-2243			Potter Fire Alarm (28 46 21 33)		
28 46 21 33-2244			Electric Alarm Bells (28 46 21 33-2243)		
28 46 21 33-2245	EA		6" Alarm Bell, 12 Volt DC (Potter MBA-6-12).....	93.84	36.19
28 46 21 33-2246	EA		8" Alarm Bell, 12 Volt DC (Potter MBA-8-12).....	100.62	36.19
28 46 21 33-2247	EA		10" Alarm Bell, 12 Volt DC (Potter MBA-10-12).....	104.01	36.19
28 46 21 33-2248	EA		6" Alarm Bell, 24 Volt DC (Potter MBA-6-24).....	93.84	36.19
28 46 21 33-2249	EA		8" Alarm Bell, 24 Volt DC (Potter MBA-8-24).....	100.62	36.19
28 46 21 33-2250	EA		10" Alarm Bell, 24 Volt DC (Potter MBA-10-24).....	104.01	36.19
28 46 21 33-2251	EA		6" Alarm Bell, 24 Volt AC (Potter PBA246).....	99.60	36.19
28 46 21 33-2252	EA		8" Alarm Bell, 24 Volt AC (Potter PBA248).....	102.85	36.19
28 46 21 33-2253	EA		10" Alarm Bell, 24 Volt AC (Potter PBA2410).....	122.01	36.19
28 46 21 33-2254	EA		6" Alarm Bell, 120 Volt AC (Potter PBA1206).....	94.82	36.19
28 46 21 33-2255	EA		8" Alarm Bell, 120 Volt AC (Potter PBA1208).....	102.85	36.19
28 46 21 33-2256	EA		10" Alarm Bell, 120 Volt AC (Potter PBA12010).....	109.56	36.19
28 46 21 33-2257			Manual Pull Station (28 46 21 33-2243)		
28 46 21 33-2258	EA		SPST, Single Action, Manual Pull Station (Potter P32-1T).....	67.46	24.13
28 46 21 33-2259	EA		DPST, Single Action, Manual Pull Station (Potter RMS-2T).....	70.54	24.13
28 46 21 33-2260	EA		DPST, Single Action, Manual Pull Station (Potter RMS-6T).....	105.18	24.13
28 46 21 33-2261	EA		DPST, Single Action, Key Reset Manual Pull Station (Potter RMS-1T-KL).....	72.46	24.13
28 46 21 33-2262	EA		SPST, Dual Action, Manual Pull Station (Potter P32-1T-LP).....	69.21	24.13
28 46 21 33-2263	EA		SPST, Weather Proof, Manual Pull Station (Potter RMS-1T-WP).....	116.01	24.13
28 46 21 33-2264	EA		SPST, Weather Proof Dual Action, Manual Pull Station (Potter RMS-1T-WP-LP).....	141.86	24.13
28 46 21 33-2265			Fire Alarm Terminal Cabinets (28 46 21 33)		
28 46 21 33-2266	EA		18 Point Lockable Fire Alarm Terminal Cabinet.....	168.89	48.32
28 46 21 33-2267	EA		32 Point Lockable Fire Alarm Terminal Cabinet.....	212.26	48.32
28 46 21 33-2268	EA		64 Point Lockable Fire Alarm Terminal Cabinet.....	298.98	48.32
28 46 21 33-2269	EA		128 Point Lockable Fire Alarm Terminal Cabinet.....	385.67	48.32
28 46 21 33-2270			Test And Certification (28 46 21 33)		
28 46 21 33-2271	DAY		Test And Certification For Tie Into Existing Systems.....	769.73	
28 46 21 33-2272	HR		Test And Certification Of Fire Alarm System.....	130.54	
			Note: GCC Programming and Engineering; Programming of the Fire Alarm System.		
28 47			Mass Notification (28 40)		
28 47 00 00-0001			Voice Capable Omni-Directional Speakers (28 47)		
28 47 00 00-0002	EA		1 Cell, 109 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2901A).....	8,161.89	613.02
			Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 00 00-0003	EA		2 Cells, 115 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2902A).....	9,874.38	639.66
			Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 00 00-0004	EA		3 Cells, 119 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2903A).....	11,586.88	666.32
			Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 00 00-0005	EA		4 Cells, 121 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2904A).....	13,299.38	692.97
			Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 00 00-0006	EA		5 Cells, 123 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2905A).....	14,989.57	719.63
			Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 00 00-0007	EA		6 Cells, 125 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2906A).....	18,307.97	746.28
			Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 00 00-0008	EA		7 Cells, 126 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2907A).....	20,020.47	772.93
			Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 00 00-0009	EA		8 Cells, 127 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2908A).....	21,866.79	799.58
			Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 00 00-0010	EA		9 Cells, 128 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2909A).....	23,601.59	826.24
			Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 00 00-0011	EA		10 Cells, 129 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2910A).....	25,314.10	852.89
			Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 00 00-0012	EA		3 Cells, 127 dB, Voice Capable Rotating Directional Speaker (Whelen WPS4003).....	17,995.71	746.28
			Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 00 00-0013 EA 4 Cells, 129 dB, Voice Capable Rotating Directional Speaker (Whelen WPS4004).....	19,150.61	772.93
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 00 00-0014 EA One-Way Control, 10 Digit DTMF Landline (Whelen D2030LL).....	391.73	24.13
28 47 00 00-0015 EA VHF High-Band Narrow-Band, One-Way Control, 10 Digit DTMF (Whelen D2030NV).....	1,279.43	24.13
28 47 00 00-0016 EA UHF Narrow-Band, One-Way Control, 10 Digit DTMF (Whelen D2030NU).....	1,319.58	24.13
28 47 00 00-0017 EA UHF Wide Band, One-Way Control, 10 Digit DTMF (Whelen D2030WU).....	1,319.58	24.13
28 47 00 00-0018 EA VHF High-Band Wide Band, One-Way Control, 10 Digit DTMF (Whelen D2030WV).....	1,279.43	24.13
28 47 00 00-0019 EA Two-Tone Sequential Option (Whelen WPSTT).....	315.90	24.13
28 47 00 00-0020 EA Full Function Auxiliary/Status Board For Contact Closure Activation (Two Way) (Whelen AUXCS).....	454.18	24.13
28 47 00 00-0021 EA Landline, 10 Digit DTMF (Whelen C2030LL).....	480.95	24.13
28 47 00 00-0022 EA VHF High-Band Narrow-Band, Two-Way Control, 10 Digit DTMF (Whelen C2030NV).....	1,591.69	24.13
28 47 00 00-0023 EA UHF Narrow-Band, Two-Way Control, 10 Digit DTMF (Whelen C2030NU).....	1,591.69	24.13
28 47 00 00-0024 EA UHF Wide-Band, 10 Digit DTMF (Whelen C2030WU).....	1,591.69	24.13
28 47 00 00-0025 EA VHF High-Wide Band, 10 Digit DTMF (Whelen C2030WV).....	1,591.69	24.13
28 47 00 00-0026 EA Option To Convert WPS Activation Controls To FSK Format (Whelen FSKXMOD).....	574.62	24.13
28 47 00 00-0027 EA Cabinet Window LED Status Indicator (Whelen STATUS).....	338.20	24.13
28 47 00 00-0028 EA Paging Interface Whelen Tones With Existing In-Plant Systems (Whelen PGINT).....	298.05	24.13
28 47 00 00-0029 EA Intrusion Alarm (Whelen INTRUWPS).....	226.68	24.13
28 47 00 00-0030 EA Custom Pre-Recorded Messages (One Time Set-Up Charge Per Message) (Whelen MSGPROG).....	156.13	
28 47 00 00-0031 EA Whelen Library Messages (Whelen MSGPROGL).....	31.23	
28 47 00 00-0032 EA Noise Cancelling Microphone Includes Local Microphone Input Harness (Whelen WPSNMCIC).....	124.08	24.13
28 47 00 00-0033 EA One Pair Of Whelen Approved Batteries (Whelen WPSBATT).....	612.14	36.19
28 47 00 00-0034 EA WPS And OA Series, Roof Top Mounted (Whelen RTM).....	7,519.98	586.36
28 47 00 00-0035 EA Two 80 Watt Panels, Solar Power System (Whelen SBC280).....	2,965.99	144.75
Note: Includes mounting bracket and regulator.		
28 47 00 00-0036 EA Amber, 6 LED Lights For The Base Of WPS Series (Whelen VALERTA).....	1,499.84	36.19
28 47 00 00-0037 EA Blue, 6 LED Lights For The Base Of WPS Series (Whelen VALERTB).....	1,499.84	36.19
28 47 00 00-0038 EA Clear, 6 LED Lights For The Base Of WPS Series (Whelen VALERTC).....	1,499.84	36.19
28 47 00 00-0039 EA Green, 6 LED Lights For The Base Of WPS Series (Whelen VALERTG).....	1,499.84	36.19
28 47 00 00-0040 EA Red, 6 LED Lights For The Base Of WPS Series Products (Whelen VALERTR).....	1,499.84	36.19
28 47 00 00-0041 EA Amber, 24 VDC, LED, Beacon (Whelen L31HAF4).....	568.42	36.19
28 47 00 00-0042 EA Blue, 24 VDC, LED, Beacon (Whelen L31HBF4).....	568.42	36.19
28 47 00 00-0043 EA Red, 24 VDC, LED, Beacon (Whelen L31HRF4).....	568.42	36.19
28 47 00 00-0044 EA Amber, 24 VDC, Strobe (Whelen ISB24A).....	460.47	36.19
28 47 00 00-0045 EA Blue, 24 VDC, Strobe (Whelen ISB24B).....	460.47	36.19
28 47 00 00-0046 EA Clear, 24 VDC, Strobe (Whelen ISB24C).....	460.47	36.19
28 47 00 00-0047 EA Green, 24 VDC, Strobe (Whelen ISB24G).....	460.47	36.19
28 47 00 00-0048 EA Red, 24 VDC, Strobe (Whelen ISB24R).....	460.47	36.19
28 47 00 00-0049 EA Strobe/LED Controller With Mounting Plate, Hardware And Harnessing For ISB24 (Whelen SCWPS).....	583.55	24.13
28 47 00 00-0050 EA Strobe Controller (Whelen STCTRL).....	485.41	24.13
28 47 00 00-0051 EA LED Controller (Whelen LEDCTRL).....	485.41	24.13
28 47 00 00-0052 EA Replacement Speaker Driver Handle/Plate Assembly Only (Less Speaker Driver) (Whelen EZ-PULL).....	250.81	36.19
28 47 00 00-0053 EA Siren Diagnostic and Programming Software In CD Format (Whelen SDPTS).....	416.04	
28 47 00 00-0054 EA 400 Watt Speaker Driver (Whelen SPKDRV).....	672.76	24.13
28 47 00 00-0055 EA Cabinet Window LED Status Indicator (Whelen STATUS).....	338.20	24.13
28 47 00 00-0056 EA Noise Cancelling Microphone Option For Encoder (Whelen WPSMIC).....	124.08	24.13
28 47 00 00-0057 EA Notifier/Whelen Interface Board (Whelen NAUXCS).....	605.85	24.13
28 47 00 00-0058 Tone Only, Omni-Alert Sirens (28 47)		
28 47 00 00-0059 EA One Cell, Tone Only, Omni-Alert Siren (Whelen OA1).....	7,207.72	586.36
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 00 00-0060 EA Two Cell, Tone Only, Omni-Alert Siren (Whelen OA2).....	8,790.87	613.02
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 00 00-0061 EA Three Cell, Tone Only, Omni-Alert Siren (Whelen OA3).....	10,373.99	639.66
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 00 00-0062 EA Four Cell, Tone Only, Omni-Alert Siren (Whelen OA4).....	11,961.59	666.32
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 00 00-0063 EA One Way Controls, Auxiliary Board For Contact Closure Activation (Whelen OAUXXIN).....	213.30	24.13
28 47 00 00-0064 EA One Way Landline Activation, 10 Digit DTMF (Whelen OD2030LL).....	391.73	24.13
28 47 00 00-0065 EA VHF High-Narrow Band, 10 Digit DTMF (Whelen OD230NV).....	1,279.43	24.13
28 47 00 00-0066 EA UHF Narrow-Band, 10 Digit DTMF (Whelen OD230NU).....	1,319.58	24.13
28 47 00 00-0067 EA UHF Wide-Band, 10 Digit DTMF (Whelen OD230WU).....	1,319.58	24.13
28 47 00 00-0068 EA VHF High-Wide Band, 10 Digit DTMF (Whelen OD230WV).....	1,279.43	24.13
28 47 00 00-0069 EA One-Way Control Two-Tone Sequential Option (Whelen OTT).....	315.90	24.13
28 47 00 00-0070 EA Two Way Controls, Contact Closure Activation Board (Whelen OAUXXCS).....	454.18	24.13
28 47 00 00-0071 EA Two Way Landline Activation (Whelen OC2030LL).....	480.95	24.13
28 47 00 00-0072 EA VHF High-Narrow Band, 10 Digit DTMF (Whelen OC230NV).....	1,591.69	24.13
28 47 00 00-0073 EA UHF Narrow-Band, 10 Digit DTMF (Whelen OC230NU).....	1,591.69	24.13
28 47 00 00-0074 EA UHF, 10 Digit DTMF (Whelen OC230WU).....	1,591.69	24.13
28 47 00 00-0075 EA VHF High Band, 10 Digit DTMF (Whelen OC230WV).....	1,591.69	24.13
28 47 00 00-0076 EA Converts The Omni-Alert Siren Activation Controls To FSK Format (Whelen OFSKXMOD).....	574.62	24.13
28 47 00 00-0077 EA Paging Interface To Interface Whelen Tones With Existing In-Plant Systems (Whelen OPGINT).....	298.05	24.13
28 47 00 00-0078 EA Cabinet Window LED Status Indicator (Whelen OSTATUS).....	338.20	24.13
28 47 00 00-0079 EA Intrusion Alarm (Whelen OINTRU).....	182.07	24.13
28 47 00 00-0080 EA 80 Watt Solar Power Option (Whelen OSBC280).....	2,965.99	144.75
28 47 00 00-0081 EA One Pair Of Whelen Approved Batteries For Omialert (Whelen BSETO).....	554.15	36.19
28 47 00 00-0082 Tone-Only Rotating Directional Speakers (28 47)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 00 00-0083 EA 3 Cells, 127 dB, Tone-Only Rotating Directional Speaker (Whelen VORTEXR3).....	13,968.50	692.97
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 00 00-0084 EA 4 Cells, 129 dB, Tone-Only Rotating Directional Speaker (Whelen VORTEXR4).....	14,922.66	719.63
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 00 00-0085 EA Limited Function Auxiliary Board For Contact Closure Activation (Whelen VAUXIN)	213.30	24.13
28 47 00 00-0086 EA Landline, 10 Digit DTMF (Whelen VD2030LL).....	391.73	24.13
28 47 00 00-0087 EA VHF High-Narrow Band, 10 Digit DTMF (Whelen VD230NV).....	1,279.43	24.13
28 47 00 00-0088 EA UHF Narrow-Band, 10 Digit DTMF (Whelen VD230NU).....	1,319.58	24.13
28 47 00 00-0089 EA UHF Wide-Band, 10 Digit DTMF (Whelen VD230WU)	1,319.58	24.13
28 47 00 00-0090 EA VHF High-Wide Band, 10 Digit DTMF (Whelen VD230WV)	1,279.43	24.13
28 47 00 00-0091 EA Two-Tone Sequential Option (Order One-Way Control Option, Above, VD2020LI, VD2020H, VD2020U) (Whelen VORTT)	315.90	24.13
28 47 00 00-0092 EA Full Function Auxiliary/Status Control Board For Contact Closure Activation (Whelen VAUXCS)	454.18	24.13
28 47 00 00-0093 EA Landline, 10 Digit DTMF (Whelen VC2030LL).....	480.95	24.13
28 47 00 00-0094 EA VHF High-Narrow Band, 10 Digit DTMF (Whelen VC230NV).....	1,591.69	24.13
28 47 00 00-0095 EA UHF Narrow-Band, 10 Digit DTMF (Whelen VC230NU).....	1,591.69	24.13
28 47 00 00-0096 EA UHF, 10 Digit DTMF (Whelen VC230WU).....	1,591.69	24.13
28 47 00 00-0097 EA VHF High Band, 10 Digit DTMF (Whelen VC230WV).....	1,591.69	24.13
28 47 00 00-0098 EA Option To Convert The Vortex Activation Controls To FSK Format (Whelen VFSKXMOD)	574.62	24.13
28 47 00 00-0099 EA Cabinet Window LED Status Indicator (Whelen VSTATUS)	338.20	24.13
28 47 00 00-0100 EA Paging Interface To Interface Whelen Tones With Existing In-Plant Systems (Whelen VPGINT)	298.05	24.13
28 47 00 00-0101 EA Vortex Intrusion Alarm (Whelen VINTRU).....	182.07	24.13
28 47 00 00-0102 EA Speaker Pole Top Bracket (Whelen VPTB)	463.10	24.13
28 47 00 00-0103 EA 80 Watt Solar Power Option (Whelen VSBC280)	2,965.99	144.75
28 47 00 00-0104 EA One Pair Of Whelen Approved Batteries For Vortex Series (Whelen BSETVOR)	554.15	36.19
28 47 00 00-0105 EA Program Charge For Custom VROM Message (Whelen VPROG).....	1,988.62	
28 47 00 00-0106 Uni-Directional Rotating Speakers (28 47)		
28 47 00 00-0107 EA 118 dB, Uni-Directional Rotating Speaker (Whelen HORNET).....	9,410.92	613.02
28 47 00 00-0108 EA One Way Contact Closure Activation Control Board (Whelen HAUXIN).....	213.30	24.13
28 47 00 00-0109 EA Landline, One Way Control, 10 Digit DTMF (Whelen HD2030LL)	391.73	24.13
28 47 00 00-0110 EA VHF High-Narrow Band, One Way Control, 10 Digit DTMF (Whelen HD230NV)	1,279.43	24.13
28 47 00 00-0111 EA UHF Narrow-Band, One Way Control, 10 Digit DTMF (Whelen HD230NU)	1,319.58	24.13
28 47 00 00-0112 EA UHF Wide-Band, One Way Control, 10 Digit DTMF (Whelen HD230WU).....	1,319.58	24.13
28 47 00 00-0113 EA VHF High-Wide Band, One Way Control, 10 Digit DTMF (Whelen HD230WV).....	1,279.43	24.13
28 47 00 00-0114 EA Two-Tone Sequential Option For Hornet (Whelen HORTT)	315.90	24.13
28 47 00 00-0115 EA Two Way Contact Closure Activation And Status Control Board (Whelen HAUXCS)	454.18	24.13
28 47 00 00-0116 EA Landline, Two Way Control, 10 Digit DTMF (Whelen HC2030LL)	480.95	24.13
28 47 00 00-0117 EA VHF High-Narrow Band, Two Way Control, 10 Digit DTMF (Whelen HC230NV)	1,591.69	24.13
28 47 00 00-0118 EA UHF Narrow-Band, Two Way Control, 10 Digit DTMF (Whelen HC230NU)	1,591.69	24.13
28 47 00 00-0119 EA UHF, Two Way Control, 10 Digit DTMF (Whelen HC230WU)	1,591.69	24.13
28 47 00 00-0120 EA VHF High Band, Two Way Control, 10 Digit DTMF (Whelen HC230WV)	1,591.69	24.13
28 47 00 00-0121 EA Converts Siren Activation Controls To FSK Format (Whelen HFSKXMOD)	574.62	24.13
28 47 00 00-0122 EA LED Status Indicator (Whelen HSTATUS).....	338.20	24.13
28 47 00 00-0123 EA Option For Paging Interface (Whelen HPGINT).....	298.05	24.13
28 47 00 00-0124 EA Intrusion Alarm (Whelen HINTRU).....	182.07	24.13
28 47 00 00-0125 EA Solar Power Option (Whelen HSBC280)	2,965.99	144.75
28 47 00 00-0126 EA Pole Top Bracket For Speaker (Whelen HPTB).....	463.10	24.13
28 47 00 00-0127 EA One Pair Of Whelen Approved Batteries (Whelen BSETF)	554.15	36.19
28 47 00 00-0128 All Hazard In-Plant Personnel Warning System (28 47)		
28 47 00 00-0129 EA 400 Watt, Voice Capable, In-Plant Personnel Warning System (Whelen IPS400).....	5,023.45	772.01
28 47 00 00-0130 EA 800 Watt, Voice Capable, In-Plant Personnel Warning System (Whelen IPS800).....	6,072.93	868.52
28 47 00 00-0131 EA 15 Watt, Wide Angle Speaker (Whelen WS15T).....	273.12	36.19
28 47 00 00-0132 EA Recess Mounted, 15 Watt Speaker (Whelen WS15TR)	224.05	36.19
28 47 00 00-0133 EA With Grill, Recess Mounted, 15 Watt Speaker (Whelen WS15TEN).....	424.78	36.19
28 47 00 00-0134 EA 30 Watt, Wide Angle Speaker (Whelen WS30T).....	335.57	36.19
28 47 00 00-0135 EA 60 Watt, Wide Angle Speaker (Whelen WS60T).....	683.51	36.19
28 47 00 00-0136 EA Explosion-Proof, 60 Watt, Wide Angle Speaker (Whelen WSXPL6T).....	1,045.56	41.01
28 47 00 00-0137 EA 100 Watt, Wide Angle Speaker (Whelen WS100).....	478.31	36.19
28 47 00 00-0138 EA Weatherproof Housing, 100 Watt, Wide Angle Speaker (Whelen WS100TCH).....	724.39	41.01
28 47 00 00-0139 EA Intrusion Alarm For Whelen Outdoor Speaker Cabinets (Whelen INTRU).....	226.68	24.13
28 47 00 00-0140 Firehouse Siren (28 47)		
28 47 00 00-0141 EA Auxiliary Board Contact Closure (Whelen FAUXIN).....	213.30	24.13
28 47 00 00-0142 EA Two-Tone Sequential Option (Whelen FTT)	315.90	24.13
28 47 00 00-0143 EA Auxiliary/Status Control Board (Whelen FAUXCS)	454.18	24.13
28 47 00 00-0144 EA Landline, 10 Digit DTMF (Whelen FC2030LL).....	480.95	24.13
28 47 00 00-0145 EA VHF High-Narrow Band, 10 Digit DTMF (Whelen FC230NV)	1,591.69	24.13
28 47 00 00-0146 EA UHF Narrow-Band, 10 Digit DTMF (Whelen FC230NU)	1,591.69	24.13
28 47 00 00-0147 EA UHF, 10 Digit DTMF (Whelen FC230WU)	1,591.69	24.13
28 47 00 00-0148 EA VHF High Band, 10 Digit DTMF (Whelen FC230WV)	1,591.69	24.13
28 47 00 00-0149 EA Paging Interface Control Option (Whelen FPGINT)	298.05	24.13
28 47 00 00-0150 EA Intrusion Alarm Control Option (Whelen FINTRU)	182.07	24.13
28 47 00 00-0151 EA Solar Power Option (Whelen FSBC280).....	2,965.99	144.75
Note: Two 80 watt panels, with brackets and solar regulator.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 00 00-0152 Central Station Controls <small>(28 47)</small>		
28 47 00 00-0153 EA Desktop 18 Function Base Station Control/Encoder (Whelen E747).....	643.81	
28 47 00 00-0154 EA Desktop 35 Function Base Station Control/Encoder (Whelen E969).....	1,045.28	
28 47 00 00-0155 EA Desktop Central Station Control Encoder/Decoder (Whelen E2010).....	2,517.35	
28 47 00 00-0156 EA Siren Status Printer And Cable Option For E2010 (Whelen E2010P).....	797.66	24.13
28 47 00 00-0157 EA Rack Mounted Central Station Control Encoder/Decoder (Whelen E2010R).....	2,903.16	24.13
28 47 00 00-0158 EA Internal Option To Convert E2010 To FSK Format (Whelen E2010FSK).....	449.72	24.13
28 47 00 00-0159 EA Option To Convert Activation Controls To FSK Format (Whelen FSKCEO).....	574.62	24.13
28 47 00 00-0160 Alert Monitor And Message Display <small>(28 47)</small>		
28 47 00 00-0161 EA Alert Monitor With Radio Receiver VHF High Band (Whelen V2000H).....	1,172.37	24.13
28 47 00 00-0162 EA Alert Monitor VHF High-Narrow Band (Whelen V2000NH).....	1,172.37	24.13
28 47 00 00-0163 EA Alert Monitor UHF Narrow-Band (Whelen V2000NU).....	1,172.37	24.13
28 47 00 00-0164 EA Alert Monitor With Radio Receiver UHF (Whelen V2000U).....	1,172.37	24.13
28 47 00 00-0165 EA Internal Battery And Charger For VA2000 Series (Whelen VA2BATT).....	192.82	36.19
28 47 00 00-0166 EA Mounting Bracket For Under Cabinet Or Vehicle Mounting - VA2000 Series (Whelen VA2MTG).....	57.17	24.13
28 47 00 00-0167 EA Factory Programming Of 1 To 15 VA2000 Display Messages (Whelen VA2PROGA).....	98.14	
28 47 00 00-0168 EA Factory Programming Of 16 To 45 VA2000 Display Messages (Whelen VA2PROGB).....	156.13	
28 47 00 00-0169 Portable Test Set <small>(28 47)</small>		
28 47 00 00-0170 EA VHF High Band, Portable Test Set (Whelen PT2010H).....	5,352.96	
28 47 00 00-0171 EA VHF Low Band, Portable Test Set (Whelen PT2010L).....	5,352.96	
28 47 00 00-0172 EA UHF, Portable Test Set (Whelen PT2010U).....	5,352.96	
28 47 00 00-0173 Replacement Warning Lights <small>(28 47)</small>		
28 47 00 00-0174 EA Amber, Incandescent, 24 VDC, Industrial Rotating Warning Light (Whelen IR3024IA).....	300.24	38.60
28 47 00 00-0175 EA Blue, Incandescent, 24 VDC, Industrial Rotating Warning Light (Whelen IR3024IB).....	300.24	38.60
28 47 00 00-0176 EA Clear, Incandescent, 24 VDC, Industrial Rotating Warning Light (Whelen IR3024IC).....	300.24	38.60
28 47 00 00-0177 EA Green, Incandescent, 24 VDC, Industrial Rotating Warning Light (Whelen IR3024IG).....	300.24	38.60
28 47 00 00-0178 EA Red, Incandescent, 24 VDC, Industrial Rotating Warning Light (Whelen IR3024IR).....	300.24	38.60
28 47 00 00-0179 EA Amber, Incandescent, 120 VAC, Industrial Rotating Warning Light (Whelen IR3120IA).....	211.02	38.60
28 47 00 00-0180 EA Blue, Incandescent, 120 VAC, Industrial Rotating Warning Light (Whelen IR3120IB).....	211.02	38.60
28 47 00 00-0181 EA Clear, Incandescent, 120 VAC, Industrial Rotating Warning Light (Whelen IR3120IC).....	211.02	38.60
28 47 00 00-0182 EA Green, Incandescent, 120 VAC, Industrial Rotating Warning Light (Whelen IR3120IG).....	211.02	38.60
28 47 00 00-0183 EA Red, Incandescent, 120 VAC, Industrial Rotating Warning Light (Whelen IR3120IR).....	211.02	38.60
28 47 00 00-0184 EA Amber, Halogen, 24 VDC, Industrial Rotating Warning Light (Whelen IR3024HA).....	300.24	38.60
28 47 00 00-0185 EA Blue, Halogen, 24 VDC, Industrial Rotating Warning Light (Whelen IR3024HB).....	300.24	38.60
28 47 00 00-0186 EA Clear, Halogen, 24 VDC, Industrial Rotating Warning Light (Whelen IR3024HC).....	300.24	38.60
28 47 00 00-0187 EA Green, Halogen, 24 VDC, Industrial Rotating Warning Light (Whelen IR3024HG).....	300.24	38.60
28 47 00 00-0188 EA Red, Halogen, 24 VDC, Industrial Rotating Warning Light (Whelen IR3024HR).....	300.24	38.60
28 47 00 00-0189 EA Amber, Halogen, 120 VAC, Industrial Rotating Warning Light (Whelen IR3120HA).....	219.95	38.60
28 47 00 00-0190 EA Blue, Halogen, 120 VAC, Industrial Rotating Warning Light (Whelen IR3120HB).....	219.95	38.60
28 47 00 00-0191 EA Clear, Halogen, 120 VAC, Industrial Rotating Warning Light (Whelen IR3120HC).....	219.95	38.60
28 47 00 00-0192 EA Green, Halogen, 120 VAC, Industrial Rotating Warning Light (Whelen IR3120HG).....	219.95	38.60
28 47 00 00-0193 EA Red, Halogen, 120 VAC, Industrial Rotating Warning Light (Whelen IR3120HR).....	219.95	38.60
28 47 00 00-0194 Antenna <small>(28 47)</small>		
28 47 00 00-0195 EA 50' Antenna Cable (Honeywell Ademco 7626-50HC).....	181.37	
28 47 00 00-0196 EA External/Remote Weatherproof Antenna (Honeywell Ademco GSM-ANT3DB).....	180.57	
28 47 00 00-0197 EA 80GHz Millimeter Wave Radio (BridgeWave Flex4G-1000).....	8,392.69	
28 49 Electronic Personal Protection Systems <small>(28 40)</small>		
28 49 11 Electronic Personal Safety Detection Systems <small>(28 49)</small>		
28 49 11 00-0001 Personnel Alarm Locating System <small>(28 49 11)</small>		
Note: Includes a central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels, eighty (80) personal alarm transmitters with lithium batteries, eighty (80) lapel readers, two hundred fifty (250) IR locators, twenty one (21) repeaters and receivers, back boxes, cables.		
28 49 11 00-0002 EA Personnel Alarm Locating System.....	13,576.45	774.37
Note: Includes Pentium III central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels.		
28 49 11 00-0003 EA Personnel Alarm Transmitters With Lithium Batteries.....	104.24	
28 49 11 00-0004 EA Lapel Reader.....	40.09	
28 49 11 00-0005 EA IR Locator.....	162.20	28.99
28 49 11 00-0006 EA Repeater And Receivers.....	409.78	96.64
28 49 17 Electronic Personal Safety Emergency Aid Devices <small>(28 49)</small>		
28 49 17 00-0001 Electronic Personal Safety Emergency Aid Devices (Edwards Signaling) <small>(28 49 17)</small>		
28 49 17 00-0002 Call For Assistance Kits, Emergency Aid Devices (Edwards Signaling) <small>(28 49 17 00-0001)</small>		

28 Electronic Safety And Security**28 40 Life Safety****28 49 Electronic Personal Protection Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 49 17 00-0003 EA Pull Cord Call For Assistance Kit With Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7008B-N5) .....222.08 Note: Includes 1 high intensity strobe/buzzer (7007B-N5) and 1 emergency pull cord station (6537).	222.08	57.98
28 49 17 00-0004 EA Push Button Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 7005-G5) .....262.87 Note: Includes 1 high intensity strobe/horn (6536-G5), 1 emergency pull cord station (6537), and 1 transformer 592.	262.87	67.65
28 49 17 00-0005 EA Pull Cord Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6538-G5) .....264.55 Note: Includes 1 high intensity strobe/horn (6536-G5), 1 wall mounted push button (620/147-10), and 1 transformer 592.	264.55	67.65
28 49 17 00-0006 Audible/Visual Signaling Devices, Emergency Aid Devices (Edwards Signaling) <small>(28 49 17 00-0001)</small>		
28 49 17 00-0007 EA High Intensity Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7007B-N5).....159.94	159.94	36.24
28 49 17 00-0008 EA High Intensity Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6536-G5) .....152.34	152.34	28.99
28 49 17 00-0009 EA Transformer For High Intensity Strobe/Horns, Emergency Aid Devices (Edwards Signaling 592).....79.15	79.15	28.99
28 49 17 00-0010 EA 1 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-1N5).....126.35	126.35	28.99
28 49 17 00-0011 EA 2 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-2N5).....143.23	143.23	28.99
28 49 17 00-0012 EA 4 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-4G5).....160.74	160.74	28.99
28 49 17 00-0013 EA 2 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-2) .....217.04	217.04	28.99
28 49 17 00-0014 EA 4 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-4) .....241.27	241.27	28.99
28 49 17 00-0015 Call Activation Devices, Emergency Aid Devices (Edwards Signaling) <small>(28 49 17 00-0001)</small>		
28 49 17 00-0016 EA Double Pole Single Throw Switch, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 6537).....100.33	100.33	28.99
28 49 17 00-0017 EA Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7603E) .....140.56	140.56	28.99
28 49 17 00-0018 EA Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7613E) .....179.40	179.40	28.99
28 49 17 00-0019 EA 3 Maintained Contacts, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7302).....180.65	180.65	9.66
28 49 17 00-0020 EA Bedside Wall Station Receptacle, Emergency Aid Devices (Edwards Signaling 7930) .....144.15	144.15	28.99
28 49 17 00-0021 EA Bedside Wall Station Receptacle With Lamp, Emergency Aid Devices (Edwards Signaling 7930L) .....167.38	167.38	28.99
28 49 17 00-0022 EA Locking Button, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7932L) .....273.24	273.24	28.99
28 49 17 00-0023 EA Pendant Push Button, Emergency Aid Devices (Edwards Signaling 7620) .....137.76	137.76	28.99
28 49 17 00-0024 EA Single 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7675) .....153.50	153.50	9.66
28 49 17 00-0025 EA Double 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7676) .....234.58	234.58	9.66
28 49 17 00-0026 EA Single 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7685) .....239.56	239.56	9.66
28 49 17 00-0027 EA Double 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7686) .....314.01	314.01	9.66

END OF SECTION 28



Earthwork	31	15
Maintenance of Earthwork	31 01	
Maintenance of Earth Moving	31 01 20	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 Earthwork

31 01 Maintenance of Earthwork ⁽³¹⁾

31 01 20 Maintenance of Earth Moving ^(31 01)

31 01 20 00-0001 Rip Settling Basins ^(31 01 20)

Note: Rip through light soil and sand in settling basin. 8' on center (machine width).

31 01 20 00-0002	ACR Rip Light Soil And Sand, By Dozer	527.80
31 01 20 00-0003	ACR Rip Light Soil And Sand, By Grader With Rear Ripper	823.43
31 01 20 00-0004	ACR Rip Light Soil And Sand, By Rubber Tire Front End Loader	713.28

31 05 Common Work Results For Earthwork ⁽³¹⁾

31 05 13 Soils For Earthwork ^(31 05)

Note: Includes delivery up to 15 miles from the closest approved source and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0036 for hauling greater than 15 miles.

31 05 13 00-0001 Fill Material (Loose, Purchased Material) ^(31 05 13)

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0036 for hauling greater than 15 miles.

31 05 13 00-0002	CY Bank Run/Fill Sand	38.64
	For Up To 10, Add	10.94
	For >10 To 25, Add	3.86
31 05 13 00-0003	CY Screened/Washed Filter/Septic Sand	30.06
	For Up To 10, Add	8.37
	For >10 To 25, Add	3.01
31 05 13 00-0004	CY 3/8" Minus, ASTM C33, Screened/Washed Bedding Sand	59.64
	For Up To 10, Add	17.24
	For >10 To 25, Add	5.96
31 05 13 00-0005	CY 3/16" Minus, Screened/Washed Concrete Sand	32.68
	For Up To 10, Add	9.15
	For >10 To 25, Add	3.27
31 05 13 00-0006	CY 3/32" Minus, Screened/Washed Masonry/Mortar Sand	39.23
	For Up To 10, Add	11.12
	For >10 To 25, Add	3.92
31 05 13 00-0007	CY Native Soil/Dirt - Common Fill	50.02
	For Up To 10, Add	14.36
	For >10 To 25, Add	5.00
31 05 13 00-0008	CY Lime Rock Screening	23.83
	For Up To 10, Add	6.50
	For >10 To 25, Add	2.38
31 05 13 00-0009	CY Crushed Lime Rock Maximum 3-1/2"	22.50
	For Up To 10, Add	6.10
	For >10 To 25, Add	2.25
31 05 13 00-0010	CY Sand/Clay	37.90
	For Up To 10, Add	10.72
	For >10 To 25, Add	3.79
31 05 13 00-0011	CY Recycled Concrete Aggregate	43.03
	For Up To 10, Add	12.26
	For >10 To 25, Add	4.30
31 05 13 00-0012	CY Pitrun Clay	31.05
	For Up To 10, Add	8.66
	For >10 To 25, Add	3.11
31 05 13 00-0013	CY Light Clay / Loam	43.83
	For Up To 10, Add	12.50
	For >10 To 25, Add	4.38
31 05 13 00-0014	CY Heavy Clay	37.49
	For Up To 10, Add	10.60
	For >10 To 25, Add	3.75

31 05 16 Aggregates For Earthwork ^(31 05)

See CSI section 01 74 19 00-0036 for hauling greater than 15 miles.

31 05 16 00-0001 Aggregate (Loose, Purchased Material) ^(31 05 16)

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0036 for hauling greater than 15 miles.

31 05 16 00-0002	CY #2 Stone Aggregate Fill (1-1/2" To 2-1/2" Clean)	32.60
	For Up To 10, Add	9.13
	For >10 To 25, Add	3.26
31 05 16 00-0003	CY #3 Stone Aggregate Fill (1" To 2" Clean)	29.13
	For Up To 10, Add	8.09
	For >10 To 25, Add	2.91
31 05 16 00-0004	CY #4 Stone Aggregate Fill (3/4" To 1-1/2" Clean)	29.57
	For Up To 10, Add	8.22
	For >10 To 25, Add	2.96
31 05 16 00-0005	CY #5 Stone Aggregate Fill (1/2" To 1" Clean)	31.66
	For Up To 10, Add	8.85
	For >10 To 25, Add	3.17

31 Earthwork
31 05 Common Work Results For Earthwork
31 05 16 Aggregates For Earthwork



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0006 CY #6 Stone Aggregate Fill (3/8" To 3/4" Clean).....	32.08	
For Up To 10, Add	8.97	
For >10 To 25, Add	3.21	
31 05 16 00-0007 CY #56 Stone Aggregate Fill (3/8" To 1")	32.94	
For Up To 10, Add	9.23	
For >10 To 25, Add	3.29	
31 05 16 00-0008 CY #57 Stone Aggregate Fill (#4 To 1").....	33.45	
For Up To 10, Add	9.38	
For >10 To 25, Add	3.35	
31 05 16 00-0009 CY #67 Or #68 Stone Aggregate Fill (#4 To 3/4").....	33.93	
For Up To 10, Add	9.53	
For >10 To 25, Add	3.39	
31 05 16 00-0010 CY #7 Stone Aggregate Fill (1/2" To #4).....	34.01	
For Up To 10, Add	9.55	
For >10 To 25, Add	3.40	
31 05 16 00-0011 CY #78 Stone Aggregate Fill (#8 To 1/2").....	34.87	
For Up To 10, Add	9.81	
For >10 To 25, Add	3.49	
31 05 16 00-0012 CY #8 Stone Aggregate Fill (3/8" x 1/8").....	35.73	
For Up To 10, Add	10.07	
For >10 To 25, Add	3.57	
31 05 16 00-0013 CY #89 Stone Aggregate Fill (#16 To 3/8").....	35.86	
For Up To 10, Add	10.11	
For >10 To 25, Add	3.59	
31 05 16 00-0014 CY #9 Stone Aggregate Fill (1/4" Clean)	36.00	
For Up To 10, Add	10.15	
For >10 To 25, Add	3.60	
31 05 16 00-0015 CY #10 Stone Aggregate Fill (#8 To 3/4).....	37.31	
For Up To 10, Add	10.54	
For >10 To 25, Add	3.73	
31 05 16 00-0016 CY #610 Modified Stone Aggregate Fill (#16 To 3/4").....	34.69	
For Up To 10, Add	9.76	
For >10 To 25, Add	3.47	
31 05 16 00-0017 CY Screenings Stone Aggregate Fill.....	28.34	
For Up To 10, Add	7.85	
For >10 To 25, Add	2.83	
31 05 16 00-0018 CY Stone Aggregate Fill, Random Size, Over 6" To 12".....	32.73	
For Up To 10, Add	9.17	
For >10 To 25, Add	3.27	
31 05 16 00-0019 CY Graded Stone Aggregate Fill, Over 6" To 12".....	35.69	
For Up To 10, Add	10.06	
For >10 To 25, Add	3.57	
31 05 16 00-0020 CY Surge Stone Aggregate Fill (3" To 7" Random)	33.87	
For Up To 10, Add	9.51	
For >10 To 25, Add	3.39	
31 05 16 00-0021 CY Surge Stone Graded Aggregate Fill (3" To 7").....	38.85	
For Up To 10, Add	11.00	
For >10 To 25, Add	3.89	
31 05 16 00-0022 CY Crusher Run Aggregate Fill (2-1/2" Minus).....	32.48	
For Up To 10, Add	9.09	
For >10 To 25, Add	3.25	
31 05 16 00-0023 CY Crusher Run Aggregate Fill (1-1/2" Minus).....	31.62	
For Up To 10, Add	8.84	
For >10 To 25, Add	3.16	
31 05 16 00-0024 CY Crusher Run Aggregate Fill (3/4" Minus)	63.81	
For Up To 10, Add	18.49	
For >10 To 25, Add	6.38	
31 05 16 00-0025 CY Miscellaneous Crushed Base, Processed Concrete, Paving	39.35	
For Up To 10, Add	11.15	
For >10 To 25, Add	3.94	

31 05 36 Equipment Delivery, Pickup, Mobilization And Demobilization ⁽³¹⁾

⁽⁰⁵⁾
See CSI section 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

31 10 Site Clearing ⁽³¹⁾

31 11 Clearing And Grubbing ^(31 10)

31 11 00 00-0001 Clear And Grub Roots And Stumps ^(31 11)

Note: Tree diameter (diameter at breast height) is the diameter of the tree trunk measured at 4.5' above ground level. Based on tree density (light, medium or heavy) to be removed. Excludes loading. See CSI section 31 13 13 00-0001 for small areas or individual trees removal.

31 11 00 00-0002 ACR Clear And Grub Light Trees Up To 6" Diameter, Cut And Chip	6,613.63	
Note: Includes grub and removal of stump		
31 11 00 00-0003 ACR Clear And Grub Light Stumps Only Up To 6" Diameter	1,700.00	
31 11 00 00-0004 ACR Clear And Grub Medium Trees Up To 10" Diameter, Cut And Chip	7,715.90	
Note: Includes grub and removal of stump		
31 11 00 00-0005 ACR Clear And Grub Medium Stumps Only Up To 10" Diameter	2,833.33	
31 11 00 00-0006 ACR Clear And Grub Heavy Trees Up To 16" Diameter, Cut And Chip	8,768.06	
Note: Includes grub and removal of stump		
31 11 00 00-0007 ACR Clear And Grub Heavy Stumps Only Up To 16" Diameter	3,220.07	
31 11 00 00-0008 ACR Clearing By Machine - Light Brush Without Grub	259.69	
31 11 00 00-0009 ACR Clearing By Machine - Medium Brush Without Grub.....	536.05	



Earthwork	31	13
Site Clearing	31 10	
Clearing And Grubbing	31 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 11 00 00-0010 ACR Clearing By Machine - Heavy Brush Without Grub	759.05	
31 11 00 00-0011 ACR Chipping - Light Brush	2,057.94	
31 11 00 00-0012 ACR Chipping - Medium Brush	2,646.06	
31 11 00 00-0013 ACR Chipping - Heavy Brush	3,704.82	
31 11 00 00-0014 Loading Of Cleared And Grubbed Material <small>(31 11)</small>		
<small>See CSI section 01 74 19 00-0036 for hauling.</small>		
31 11 00 00-0015 CY Machine Loading Of Cleared And Grubbed Material	9.02	
31 11 00 00-0016 CY Chute Loading Of Cleared And Grubbed Material	10.82	
31 11 00 00-0017 CY Hand Loading Of Cleared And Grubbed Material	31.88	
31 11 00 00-0018 CY Wheel And Ramp Loading Of Cleared And Grubbed Material.....	25.04	
31 13 Selective Tree And Shrub Removal And Trimming <small>(31 10)</small>		
31 13 13 Selective Tree And Shrub Removal <small>(31 13)</small>		
31 13 13 00-0001 Individual Tree Removal <small>(31 13 13)</small>		
<small>Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding.</small>		
31 13 13 00-0002 EA Up To 6" D.B.H. (Diameter At Breast Height) Tree Removal	482.24	
<small>Note: Includes cutting up tree, chipping and loading.</small>		
31 13 13 00-0003 EA >6" To 12" D.B.H. (Diameter At Breast Height) Tree Removal	723.36	
<small>Note: Includes cutting up tree, chipping and loading.</small>		
31 13 13 00-0004 EA >12" To 24" D.B.H. (Diameter At Breast Height) Tree Removal	964.49	
<small>Note: Includes cutting up tree, chipping and loading.</small>		
31 13 13 00-0005 EA >24" To 36" D.B.H. (Diameter At Breast Height) Tree Removal	1,446.73	
<small>Note: Includes cutting up tree, chipping and loading.</small>		
31 13 13 00-0006 EA >36" To 48" D.B.H. (Diameter At Breast Height) Tree Removal	1,928.97	
<small>Note: Includes cutting up tree, chipping and loading.</small>		
31 13 13 00-0007 EA >48" To 60" D.B.H. (Diameter At Breast Height) Tree Removal	2,411.21	
<small>Note: Includes cutting up tree, chipping and loading.</small>		
31 13 13 00-0008 EA <i>For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct</i>	-602.80	
31 13 13 00-0008 EA >60" To 72" D.B.H. (Diameter At Breast Height) Tree Removal	2,893.46	
<small>Note: Includes cutting up tree, chipping and loading.</small>		
31 13 13 00-0009 EA <i>For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct</i>	-723.37	
31 13 13 00-0009 EA >72" To 84" D.B.H. (Diameter At Breast Height) Tree Removal	3,857.95	
<small>Note: Includes cutting up tree, chipping and loading.</small>		
31 13 13 00-0009 EA <i>For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct</i>	-964.49	
31 13 13 00-0010 Stump Removal <small>(31 13 13)</small>		
<small>Note: Measured by diameter of stump.</small>		
31 13 13 00-0011 Stump Removal By Machine <small>(31 13 13 00-0010)</small>		
31 13 13 00-0012 EA Up To 6" Diameter Stump Removal	85.00	
<small>Note: Includes excavation necessary to remove stump and loading.</small>		
31 13 13 00-0013 EA >6" To 12" Diameter Stump Removal	162.91	
<small>Note: Includes excavation necessary to remove stump and loading.</small>		
31 13 13 00-0014 EA >12" To 24" Diameter Stump Removal	212.50	
<small>Note: Includes excavation necessary to remove stump and loading.</small>		
31 13 13 00-0015 EA >24" To 36" Diameter Stump Removal	318.76	
<small>Note: Includes excavation necessary to remove stump and loading.</small>		
31 13 13 00-0016 EA >36" To 48" Diameter Stump Removal	375.44	
<small>Note: Includes excavation necessary to remove stump and loading.</small>		
31 13 13 00-0017 EA >48" To 60" Diameter Stump Removal	442.00	
<small>Note: Includes excavation necessary to remove stump and loading.</small>		
31 13 13 00-0018 EA >60" To 72" Diameter Stump Removal	524.17	
<small>Note: Includes excavation necessary to remove stump and loading.</small>		
31 13 13 00-0019 EA >72" To 84" Diameter Stump Removal	616.25	
<small>Note: Includes excavation necessary to remove stump and loading.</small>		
31 13 13 00-0020 Stump Removal By Hand <small>(31 13 13 00-0010)</small>		
31 13 13 00-0021 EA Up To 6" Diameter Stump Removal By Hand	511.86	
<small>Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.</small>		
31 13 13 00-0022 EA >6" To 12" Diameter Stump Removal By Hand	639.83	
<small>Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.</small>		
31 13 13 00-0023 EA >12" To 24" Diameter Stump Removal By Hand	938.41	
<small>Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.</small>		
31 13 13 00-0024 EA >24" To 36" Diameter Stump Removal By Hand	1,279.65	
<small>Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.</small>		
31 13 13 00-0025 EA >36" To 48" Diameter Stump Removal By Hand	1,706.20	
<small>Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.</small>		
31 13 13 00-0026 EA >48" To 60" Diameter Stump Removal By Hand	2,132.74	
<small>Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.</small>		

31 Earthwork**31 10 Site Clearing****31 13 Selective Tree And Shrub Removal And Trimming**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 13 13 00-0027	EA		>60" To 72" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	2,559.29	
31 13 13 00-0028	EA		>72" To 84" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	2,985.84	
31 13 13 00-0029			Stump Grinding ^(31 13 13) Note: Measured by diameter of stump.		
31 13 13 00-0030			Stump Grinding, 18" Deep Below Surface Of Soil ^(31 13 13 00-0029) Note: Level soil to match existing surface area.		
31 13 13 00-0031	EA		Stump Grinding Up To 6" Tree..... <i>For 24" Depth, Add</i>	93.19 18.64	
31 13 13 00-0032	EA		Stump Grinding >6" To 12" Tree..... <i>For 24" Depth, Add</i>	124.26 24.85	
31 13 13 00-0033	EA		Stump Grinding >12" To 15" Tree..... <i>For 24" Depth, Add</i>	139.79 27.96	
31 13 13 00-0034	EA		Stump Grinding >15" To 18" Tree..... <i>For 24" Depth, Add</i>	155.32 31.06	
31 13 13 00-0035	EA		Stump Grinding >18" To 21" Tree..... <i>For 24" Depth, Add</i>	166.97 33.39	
31 13 13 00-0036	EA		Stump Grinding >21" To 24" Tree..... <i>For 24" Depth, Add</i>	178.63 35.73	
31 13 13 00-0037	EA		Stump Grinding >24" To 27" Tree..... <i>For 24" Depth, Add</i>	194.16 38.83	
31 13 13 00-0038	EA		Stump Grinding >27" To 30" Tree..... <i>For 24" Depth, Add</i>	210.70 42.14	
31 13 13 00-0039	EA		Stump Grinding >30" To 33" Tree..... <i>For 24" Depth, Add</i>	234.11 46.82	
31 13 13 00-0040	EA		Stump Grinding >33" To 36" Tree..... <i>For 24" Depth, Add</i>	249.73 49.95	
31 13 13 00-0041	EA		Stump Grinding >36" To 42" Tree..... <i>For 24" Depth, Add</i>	280.94 56.19	
31 13 13 00-0042	EA		Stump Grinding >42" To 48" Tree..... <i>For 24" Depth, Add</i>	312.16 62.43	
31 13 13 00-0043	EA		Stump Grinding >48" To 60" Tree..... <i>For 24" Depth, Add</i>	390.20 78.04	
31 13 13 00-0044	EA		Stump Grinding >60" To 72" Tree..... <i>For 24" Depth, Add</i>	487.74 97.55	
31 13 13 00-0045	EA		Stump Grinding >72" To 84" Tree..... <i>For 24" Depth, Add</i>	624.31 124.86	
31 13 13 00-0046			Shrub Removal ^(31 13 13)		
31 13 13 00-0047	EA		Removal Of 18" To 24" Shrub, Broadleaf Evergreen.....	37.15	
31 13 13 00-0048	EA		Removal Of 2' To 3' Shrub, Broadleaf Evergreen	58.26	
31 13 13 00-0049	EA		Removal Of 3' To 4' Shrub, Broadleaf Evergreen	67.55	
31 13 13 00-0050	EA		Removal Of 4' To 5' Shrub, Broadleaf Evergreen	101.33	
31 13 13 00-0051	EA		Removal Of 12" To 15" Shrub, Deciduous.....	18.58	
31 13 13 00-0052	EA		Removal Of 18" To 24" Shrub, Deciduous.....	28.71	
31 13 13 00-0053	EA		Removal Of 2' To 3' Shrub, Deciduous	37.15	
31 13 13 00-0054	EA		Removal Of 3' To 4' Shrub, Deciduous	40.53	
31 13 13 00-0055	EA		Removal Of 18" To 24" Shrub, Evergreen	37.15	
31 13 13 00-0056	EA		Removal Of 24" To 30" Shrub, Evergreen	40.53	
31 13 13 00-0057	EA		Removal Of 30" To 36" Shrub, Evergreen	58.26	
31 13 13 00-0058	EA		Removal Of 36" To 42" Shrub, Evergreen	101.33	
31 13 16			Selective Tree And Shrub Trimming ^(31 13)		
31 13 16 00-0001			Tree Trimming For Pole Line Construction And Maintenance ^(31 13 16) Note: Area to be vertical cleared (to include overhanging limbs) is minimum 20' wide (10' each side of structure) and 16' above ground. All materials to 6" D.B.H. (Diameter At Breast Height) to be chipped in place. Larger material may be chipped or disposed. Trees greater than 18" diameter use individual tree removal tasks. Quantity based on running foot of power line to be cleared.		
31 13 16 00-0002	LF		Tree Trimming, Light Cutting To 6" Diameter For Pole Line Construction	1.58	
31 13 16 00-0003	LF		Tree Trimming, Medium Cutting >6" To 12" Diameter For Pole Line Construction	2.38	
31 13 16 00-0004	LF		Tree Trimming, Heavy Cutting >12" To 18" Diameter For Pole Line Construction.....	2.80	

31 20 Earth Moving ⁽³¹⁾

Note: Per OSHA -Soil Classification - 1926 Subpart P App A. Light material: Class A site material, normally referred to as "easy digging". Consisting of loose, soft, free running materials. Close lying, which will fill blade, digger or bucket to capacity, and frequently provide a heaped load. Materials such as dry sand, small gravel, unpacked earth, loam, etc., would fall into this category. Medium material: Class B site material, normally referred to as "medium and tough, wet and sticky clay would be examples of this medium digging", consisting of harder materials that are not difficult to dig without assistance such as ripping, blasting, etc. Material break up with some bulkiness causing voids in digger or bucket. Materials such as packed earth, common earth with some clay, soil with less than 25% rock content would be examples of this category. Heavy/wet material: Class C site material, normally referred to as "hard digging", consisting of materials which may require some assistance in breaking up. Bulky and somewhat hard to penetrate materials would be found in this category and voids in dipper or bucket would be common. Materials such as very hard packed soil, with up to 50% to 70% rock content and hard category. Soil conditions will be determined by soil analysis to provide appropriate percentage (%) for the various types of soil conditions. Apply the percentages to the various soil types to generate an appropriate representation of the soil condition.



Earthwork	31	15
Earth Moving	31 20	
Excavation And Fill	31 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 23 Excavation And Fill (31 20)

31 23 16 Excavation (31 23)

31 23 16 13 Trenching (31 23 16)

Note: Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine.

31 23 16 13-0001 Excavation For Trenching By Machine (31 23 16 13)

Note: Includes stockpiling excess materials and trimming sides and bottom of trench.

31 23 16 13-0002	CY	12" Wide or Less, Excavation for Trenching by Machine in Soil	8.75
		<i>For Excavation In Light Material (Class A), Deduct</i>	-1.09
		<i>For Excavation In Heavy/Wet Material (Class C), Add</i>	3.50
		<i>For Up To 20, Add</i>	7.00
		<i>For >20 To 50, Add</i>	4.38
		<i>For >50 To 250, Add</i>	2.19
		<i>For >500 To 1,000, Deduct</i>	-1.31
		<i>For >1,000, Deduct</i>	-2.63
31 23 16 13-0003	CY	Over 12" Wide, Excavation for Trenching by Machine in Soil	5.62
		<i>For Excavation In Light Material (Class A), Deduct</i>	-0.70
		<i>For Excavation In Heavy/Wet Material (Class C), Add</i>	2.25
		<i>For Up To 20, Add</i>	4.50
		<i>For >20 To 50, Add</i>	2.81
		<i>For >50 To 250, Add</i>	1.41
		<i>For >500 To 1,000, Deduct</i>	-0.84
		<i>For >1,000, Deduct</i>	-1.69
31 23 16 13-0004	CY	12" Wide or Less, Excavation for Trenching by Machine in Loose Rock	14.49
		<i>For Up To 20, Add</i>	11.59
		<i>For >20 To 50, Add</i>	7.25
		<i>For >50 To 250, Add</i>	3.62
		<i>For >500 To 1,000, Deduct</i>	-2.17
		<i>For >1,000, Deduct</i>	-4.35
31 23 16 13-0005	CY	Over 12" Wide, Excavation for Trenching by Machine in Loose Rock	9.99
		<i>For Up To 20, Add</i>	7.99
		<i>For >20 To 50, Add</i>	5.00
		<i>For >50 To 250, Add</i>	2.50
		<i>For >500 To 1,000, Deduct</i>	-1.50
		<i>For >1,000, Deduct</i>	-3.00

31 23 16 13-0006 Excavation For Trenching By Hand (31 23 16 13)

31 23 16 13-0007	CY	Excavation For Trenching By Hand In Soil	105.18
		Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	
31 23 16 13-0008	CY	Excavation For Trenching By Hand In Loose Rock	180.43
		Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	

31 23 16 13-0009 Backfilling Or Placing Subbase For Trenches (31 23 16 13)

Note: With imported or stockpiled materials.

31 23 16 13-0010	CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Machine	3.16
		<i>For Up To 20, Add</i>	2.53
		<i>For >20 To 50, Add</i>	1.58
		<i>For >50 To 250, Add</i>	0.79
		<i>For >500 To 1,000, Deduct</i>	-0.47
		<i>For >1,000, Deduct</i>	-0.95
31 23 16 13-0011	CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Hand	29.22

31 23 16 13-0012 Compaction Of Fill Or Subbase For Trenches (31 23 16 13)

Note: Includes restoration of final grade.

31 23 16 13-0013	CY	Compaction of Fill or Subbase for Trenches by Vibratory Plate, Air Tamper, Etcetera	6.09
		<i>For Up To 20, Add</i>	4.87
		<i>For >20 To 50, Add</i>	3.05
		<i>For >50 To 250, Add</i>	1.52
		<i>For >500 To 1,000, Deduct</i>	-0.91
		<i>For >1,000, Deduct</i>	-1.83
31 23 16 13-0014	CY	Compaction of Fill or Subbase for Trenches by Hand	32.96

31 23 16 13-0015 Loading Excess Material For Removal From Excavation For Trenches (31 23 16)

¹³⁾ Note: Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0036 for hauling.

31 23 16 13-0016	CY	Load Excess Material by Machine for Removal from Excavation for Trenching	5.50
		<i>For Up To 20, Add</i>	4.40
		<i>For >20 To 50, Add</i>	2.75
		<i>For >50 To 250, Add</i>	1.38
		<i>For >500 To 1,000, Deduct</i>	-0.83
		<i>For >1,000, Deduct</i>	-1.65
31 23 16 13-0017	CY	Load Excess Material by Hand for Removal from Excavation for Trenching	77.13

31 23 16 13-0018 Spread Excess Or Imported Material For Trenches (31 23 16 13)

Note: Includes hand work by laborer for clean-up.

31 Earthwork**31 20 Earth Moving****31 23 Excavation And Fill**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 13-0019	CY		Spread Excess Or Imported Material On Site With Machine	2.62	
			<i>For Up To 20, Add</i>	2.10	
			<i>For >20 To 50, Add</i>	1.31	
			<i>For >50 To 250, Add</i>	0.66	
			<i>For >500 To 1,000, Deduct</i>	-0.39	
			<i>For >1,000, Deduct</i>	-0.79	
31 23 16 13-0020			Direct Burial (Plowed-in) Cable Or Piping By Machine <small>(31 23 16 13)</small>		
			Note: Includes trench, backfill, compaction and restoration of final grade.		
31 23 16 13-0021	LF		Direct Burial of Cable or Piping up to 12" Deep	1.94	
31 23 16 13-0022	LF		Direct Burial of Cable or Piping >12" to 24" Deep	2.14	
31 23 16 13-0023	LF		Direct Burial of Cable or Piping >24" to 36" Deep	3.04	
31 23 16 13-0024	LF		Direct Burial of Cable or Piping >36" to 48" Deep	3.43	
31 23 16 13-0025			Utility Chain Trencher <small>(31 23 16 13)</small>		
31 23 16 13-0026			Utility Trench, Chain Trencher <small>(31 23 16 13-0025)</small>		
			Note: Earth left adjacent to trench.		
31 23 16 13-0027	LF		4" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	1.07	
			<i>For >100 To 250, Deduct</i>	-0.07	
			<i>For >250 To 500, Deduct</i>	-0.16	
			<i>For >500, Deduct</i>	-0.32	
31 23 16 13-0028	LF		4" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	1.18	
			<i>For >100 To 250, Deduct</i>	-0.08	
			<i>For >250 To 500, Deduct</i>	-0.18	
			<i>For >500, Deduct</i>	-0.35	
31 23 16 13-0029	LF		4" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	1.22	
			<i>For >100 To 250, Deduct</i>	-0.09	
			<i>For >250 To 500, Deduct</i>	-0.18	
			<i>For >500, Deduct</i>	-0.37	
31 23 16 13-0030	LF		6" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	1.29	
			<i>For >100 To 250, Deduct</i>	-0.09	
			<i>For >250 To 500, Deduct</i>	-0.19	
			<i>For >500, Deduct</i>	-0.39	
31 23 16 13-0031	LF		6" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	1.42	
			<i>For >100 To 250, Deduct</i>	-0.10	
			<i>For >250 To 500, Deduct</i>	-0.21	
			<i>For >500, Deduct</i>	-0.43	
31 23 16 13-0032	LF		6" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	1.62	
			<i>For >100 To 250, Deduct</i>	-0.11	
			<i>For >250 To 500, Deduct</i>	-0.24	
			<i>For >500, Deduct</i>	-0.49	
31 23 16 13-0033	LF		6" Wide, 36" Deep Trench, Medium Soil, Chain Trencher	1.94	
			<i>For >100 To 250, Deduct</i>	-0.14	
			<i>For >250 To 500, Deduct</i>	-0.29	
			<i>For >500, Deduct</i>	-0.58	
31 23 16 13-0034	LF		8" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	1.83	
			<i>For >100 To 250, Deduct</i>	-0.13	
			<i>For >250 To 500, Deduct</i>	-0.27	
			<i>For >500, Deduct</i>	-0.55	
31 23 16 13-0035	LF		8" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	2.16	
			<i>For >100 To 250, Deduct</i>	-0.15	
			<i>For >250 To 500, Deduct</i>	-0.32	
			<i>For >500, Deduct</i>	-0.65	
31 23 16 13-0036	LF		8" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	2.45	
			<i>For >100 To 250, Deduct</i>	-0.17	
			<i>For >250 To 500, Deduct</i>	-0.37	
			<i>For >500, Deduct</i>	-0.74	
31 23 16 13-0037	LF		8" Wide, 36" Deep Trench, Medium Soil, Chain Trencher	2.91	
			<i>For >100 To 250, Deduct</i>	-0.20	
			<i>For >250 To 500, Deduct</i>	-0.44	
			<i>For >500, Deduct</i>	-0.87	
31 23 16 13-0038			Backfill Trenches With Compaction <small>(31 23 16 13-0025)</small>		
31 23 16 13-0039	LF		Backfill 4" Wide, 12" Deep Trench, With Compaction	0.17	
			<i>For >100 To 250, Deduct</i>	-0.01	
			<i>For >250 To 500, Deduct</i>	-0.03	
			<i>For >500, Deduct</i>	-0.05	
31 23 16 13-0040	LF		Backfill 4" Wide, 18" Deep Trench, With Compaction	0.27	
			<i>For >100 To 250, Deduct</i>	-0.02	
			<i>For >250 To 500, Deduct</i>	-0.04	
			<i>For >500, Deduct</i>	-0.08	
31 23 16 13-0041	LF		Backfill 4" Wide, 24" Deep Trench, With Compaction	0.35	
			<i>For >100 To 250, Deduct</i>	-0.02	
			<i>For >250 To 500, Deduct</i>	-0.05	
			<i>For >500, Deduct</i>	-0.11	
31 23 16 13-0042	LF		Backfill 6" Wide, 12" Deep Trench, With Compaction	0.27	
			<i>For >100 To 250, Deduct</i>	-0.02	
			<i>For >250 To 500, Deduct</i>	-0.04	
			<i>For >500, Deduct</i>	-0.08	



Earthwork	31	13
Earth Moving	31 20	
Excavation And Fill	31 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 13-0043 LF Backfill 6" Wide, 18" Deep Trench, With Compaction.....	0.35	
For >100 To 250, Deduct	-0.02	
For >250 To 500, Deduct	-0.05	
For >500, Deduct	-0.11	
31 23 16 13-0044 LF Backfill 6" Wide, 24" Deep Trench, With Compaction.....	0.52	
For >100 To 250, Deduct	-0.04	
For >250 To 500, Deduct	-0.08	
For >500, Deduct	-0.16	
31 23 16 13-0045 LF Backfill 6" Wide, 36" Deep Trench, With Compaction.....	0.75	
For >100 To 250, Deduct	-0.05	
For >250 To 500, Deduct	-0.11	
For >500, Deduct	-0.23	
31 23 16 13-0046 LF Backfill 8" Wide, 12" Deep Trench, With Compaction.....	0.35	
For >100 To 250, Deduct	-0.02	
For >250 To 500, Deduct	-0.05	
For >500, Deduct	-0.11	
31 23 16 13-0047 LF Backfill 8" Wide, 18" Deep Trench, With Compaction.....	0.52	
For >100 To 250, Deduct	-0.04	
For >250 To 500, Deduct	-0.08	
For >500, Deduct	-0.16	
31 23 16 13-0048 LF Backfill 8" Wide, 24" Deep Trench, With Compaction.....	0.70	
For >100 To 250, Deduct	-0.05	
For >250 To 500, Deduct	-0.11	
For >500, Deduct	-0.21	
31 23 16 13-0049 LF Backfill 8" Wide, 36" Deep Trench, With Compaction.....	1.05	
For >100 To 250, Deduct	-0.07	
For >250 To 500, Deduct	-0.16	
For >500, Deduct	-0.32	
31 23 16 26 Rock Removal <small>(31 23 16)</small>		
31 23 16 26-0001 Rock Breaking By Machine <small>(31 23 16 26)</small>		
Note: Excludes excavation of broken-up rock.		
31 23 16 26-0002 CY Rock Breaking By Machine, Soft Sedimentary Rocks (Shale, Sandstone, Limestone)	21.36	
31 23 16 26-0003 CY Rock Breaking By Machine, Medium Metamorphic Rock (Slate).....	22.79	
31 23 16 26-0004 CY Rock Breaking By Machine, Hard Igneous Rock (Granite, Basalt)	27.06	
31 23 16 33 Bulk Excavation <small>(31 23 16)</small>		
Note: For excavations where the total quantity for a project is greater than 500 cubic yards. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 36-0000 for For less than 500 CY excavation.		
31 23 16 33-0001 Excavation <small>(31 23 16 33)</small>		
Note: For bulk excavation. Includes stockpiling excavated materials within 100' of point of excavation.		
31 23 16 33-0002 CY Bulk Excavation by Dozer in Soil	8.19	
For Excavation In Light Material (Class A), Deduct	-1.02	
For Excavation In Heavy/Wet Material (Class C), Add	3.28	
For >1,000, Deduct	-1.23	
31 23 16 33-0003 CY Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Soil	4.54	
For Excavation In Light Material (Class A), Deduct	-0.57	
For Excavation In Heavy/Wet Material (Class C), Add	1.82	
For >1,000, Deduct	-0.68	
31 23 16 33-0004 CY Bulk Excavation by Dozer in Loose Rock	10.07	
For >1,000, Deduct	-1.51	
31 23 16 33-0005 CY Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Loose Rock	5.58	
For >1,000, Deduct	-0.84	
31 23 16 33-0006 Spreading, Shaping And Rough Grading <small>(31 23 16 33)</small>		
Note: Imported or stockpiled material for bulk excavation.		
31 23 16 33-0007 CY Spreading, Shaping, and Rough Grading Imported or Stockpiled Material for Bulk Excavation by Machine.....	5.06	
For >1,000, Deduct	-0.76	
31 23 16 33-0008 Cutting, Shaping and Rough Grading Of Existing Elevations <small>(31 23 16 33)</small>		
Note: For bulk excavation.		
31 23 16 33-0009 CY Cutting, Shaping and Rough Grading Existing Elevations For Bulk Excavation by Machine.....	5.61	
For >1,000, Deduct	-0.84	
31 23 16 33-0010 Relocating On Site Excavated Material From Excavation <small>(31 23 16 33)</small>		
Note: For bulk excavation.		
31 23 16 33-0011 CY Relocating On Site Excavated Material From Bulk Excavation >100' to 300'	4.50	
For >1,000, Deduct	-0.68	
31 23 16 33-0012 CY Relocating On Site Excavated Material From Bulk Excavation >300' to 500'	6.74	
For >1,000, Deduct	-1.01	
31 23 16 33-0013 CY Relocating On Site Excavated Material From Bulk Excavation >500' To 1,000'	10.11	
For >1,000, Deduct	-1.52	
31 23 16 33-0014 CY Relocating On Site Excavated Material From Bulk Excavation >1,000'	13.48	
For >1,000, Deduct	-2.02	
31 23 16 33-0015 Finish Grading <small>(31 23 16 33)</small>		
Note: For bulk excavation.		

31	31 Earthwork
	31 20 Earth Moving
	31 23 Excavation And Fill



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 33-0016 SY Finish Grading for Bulk Excavation by Machine.....	0.56	
31 23 16 33-0017 Compaction Of Fill Or Subbase, Per Lift <small>(31 23 16 33)</small> Note: For bulk excavation. See CSI section 31 23 23 23-0001 for compaction water.		
31 23 16 33-0018 SY Compaction of Fill or Subbase for Bulk Excavation by Machine..... Note: Per Lift	0.57	
31 23 16 33-0019 Loading Excess Material For Removal From Excavation <small>(31 23 16 33)</small> Note: For bulk excavation. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0036 for hauling.		
31 23 16 33-0020 CY Loading Excess Material For Removal From Bulk Excavation..... For >1,000, Deduct	4.57 -0.69	
31 23 16 36 Excavation For Building Foundations And Other Structures <small>(31 23 16)</small> Note: Use of a Bobcat is limited to access restricted areas and by owner's approval. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 33-0000 for bulk excavation operations over 500 CY.		
31 23 16 36-0001 Excavation <small>(31 23 16 36)</small> Note: For building foundations and other structures by machine. Includes stockpiling excess materials within 100' of point of excavation, shaping, trimming and rough grading excavation.		
31 23 16 36-0002 Excavation For Building Foundations And Other Structures By Skid-Steer Loader <small>(31 23 16 36-0001)</small>		
31 23 16 36-0003 CY Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Soil..... For Excavation In Light Material (Class A), Deduct For Excavation In Heavy/Wet Material (Class C), Add For Up To 20, Add For >20 To 50, Add For >50 To 250, Add For >250 To 500, Add	7.44 -0.93 2.98 7.44 5.58 2.98 1.12	
31 23 16 36-0004 CY Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Loose Rock..... For Up To 20, Add For >20 To 50, Add For >50 To 250, Add For >250 To 500, Add	9.14 9.14 6.86 3.66 1.37	
31 23 16 36-0005 Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader <small>(31 23 16 36-0001)</small>		
31 23 16 36-0006 CY Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Soil..... For Excavation In Light Material (Class A), Deduct For Excavation In Heavy/Wet Material (Class C), Add For Up To 20, Add For >20 To 50, Add For >50 To 250, Add For >250 To 500, Add	5.45 -0.68 2.18 5.45 4.09 2.18 0.82	
31 23 16 36-0007 CY Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Loose Rock..... For Up To 20, Add For >20 To 50, Add For >50 To 250, Add For >250 To 500, Add	6.48 6.48 4.86 2.59 0.97	
31 23 16 36-0008 Excavation For Building Foundations And Other Structures By Hand <small>(31 23 16 36-0001)</small> Note: For areas not accessible by machine and only with owner's approval.		
31 23 16 36-0009 CY Excavation For Building Foundations And Other Structures By Hand in Soil..... For Excavation In Light Material (Class A), Deduct For Excavation In Heavy/Wet Material (Class C), Add	105.18 -13.15 42.07	
31 23 16 36-0010 CY Excavation For Building Foundations And Other Structures By Hand in Loose Rock.....	180.43	
31 23 16 36-0011 Relocating On Site Excavated Material From Excavation <small>(31 23 16 36)</small> Note: For building foundations and other structures over 100'.		
31 23 16 36-0012 CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >100' to 300'..... For Up To 20, Add For >20 To 50, Add For >50 To 250, Add For >250 To 500, Add	4.50 4.50 3.38 1.80 0.68	
31 23 16 36-0013 CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >300' to 500'..... For Up To 20, Add For >20 To 50, Add For >50 To 250, Add For >250 To 500, Add	6.74 6.74 5.06 2.70 1.01	



Earthwork	31	15
Earth Moving	31 20	
Excavation And Fill	31 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 36-0014 CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >500' to 1,000'.....	10.11	
<i>For Up To 20, Add</i>	10.11	
<i>For >20 To 50, Add</i>	7.58	
<i>For >50 To 250, Add</i>	4.04	
<i>For >250 To 500, Add</i>	1.52	
31 23 16 36-0015 CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >1,000'.....	13.48	
<i>For Up To 20, Add</i>	13.48	
<i>For >20 To 50, Add</i>	10.11	
<i>For >50 To 250, Add</i>	5.39	
<i>For >250 To 500, Add</i>	2.02	
31 23 16 36-0016 Backfilling <small>(31 23 16 36)</small>		
Note: For building foundations and other structures with imported or stockpiled materials. Includes rough grading.		
31 23 16 36-0017 CY Backfilling Around Building Foundations And Other Structures By Skid-Steer Loader.....	3.62	
<i>For Up To 20, Add</i>	3.62	
<i>For >20 To 50, Add</i>	2.72	
<i>For >50 To 250, Add</i>	1.45	
<i>For >250 To 500, Add</i>	0.54	
31 23 16 36-0018 CY Backfilling Around Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader.....	4.22	
<i>For Up To 20, Add</i>	4.22	
<i>For >20 To 50, Add</i>	3.17	
<i>For >50 To 250, Add</i>	1.69	
<i>For >250 To 500, Add</i>	0.63	
31 23 16 36-0019 CY Backfilling Around Building Foundations And Other Structures By Hand.....	50.09	
31 23 16 36-0020 Compaction Of Fill Or Subbase <small>(31 23 16 36)</small>		
Note: For building foundations and other structures. See CSI section 31 23 23 23-0001 for compaction water.		
31 23 16 36-0021 CY Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Vibratory Plate, Air Tamper, Etcetera.....	9.65	
<i>For Up To 20, Add</i>	9.65	
<i>For >20 To 50, Add</i>	7.24	
<i>For >50 To 250, Add</i>	3.86	
<i>For >250 To 500, Add</i>	1.45	
31 23 16 36-0022 CY Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Hand.....	32.96	
31 23 16 36-0023 Grading <small>(31 23 16 36)</small>		
Note: For building foundations and other structures.		
31 23 16 36-0024 SY Rough Grading For Building Foundations And Other Structures by Machine.....	0.97	
31 23 16 36-0025 SY Finish Grading For Building Foundations And Other Structures by Machine.....	1.56	
31 23 16 36-0026 SY Finish Grading For Building Foundations And Other Structures by Hand.....	9.74	
31 23 16 36-0027 Loading Excess Material For Removal From Excavation <small>(31 23 16 36)</small>		
Note: For building foundations and other structures. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0036 for hauling.		
31 23 16 36-0028 CY Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Machine.....	4.76	
<i>For Up To 20, Add</i>	4.76	
<i>For >20 To 50, Add</i>	3.57	
<i>For >50 To 250, Add</i>	1.90	
<i>For >250 To 500, Add</i>	0.71	
31 23 16 36-0029 CY Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Hand.....	77.13	
31 23 16 36-0030 Spread Material <small>(31 23 16 36)</small>		
Note: For building foundations and other structures.		
31 23 16 36-0031 CY Spread Excess Or Imported Material On Site By Machine.....	2.62	
<i>For Up To 20, Add</i>	2.62	
<i>For >20 To 50, Add</i>	1.97	
<i>For >50 To 250, Add</i>	1.05	
<i>For >250 To 500, Add</i>	0.39	
31 23 16 36-0032 CY Spread Excess Or Imported Material On Site By Hand.....	42.57	
31 23 16 43 Mass Excavation <small>(31 23 16)</small>		
31 23 16 43-0001 Mass Excavation By Dozer <small>(31 23 16 43)</small>		
Note: In CY/Hour and using 50 Min/Hour, +5% grade, average operator and material conversion factors. Pushed to stockpile area.		
31 23 16 43-0002 Dozing Distance Averages 150 Feet Push <small>(31 23 16 43-0001)</small>		
31 23 16 43-0003 Dozer With Blade, 65 HP, (D-3B) <small>(31 23 16 43-0002)</small>		
31 23 16 43-0004 BCY Mass Excavation, D-3B Dozer, Light Material 65 HP With Blade, 150' Push, 30 CY/Hour.....	5.96	
31 23 16 43-0005 BCY Mass Excavation, D-3B Dozer, Medium Material 65 HP With Blade, 150' Push, 25 CY/Hour.....	7.15	
31 23 16 43-0006 BCY Mass Excavation, D-3B Dozer, Wet/Loose Rock 65 HP With Blade, 150' Push 20 CY/Hour.....	8.95	
31 23 16 43-0007 Dozer With Blade, 90 HP, (D-4H) <small>(31 23 16 43-0002)</small>		
31 23 16 43-0008 BCY Mass Excavation, D-4H Dozer, Light Material 90 HP With Blade, 150' Push, 60 CY/Hour.....	2.92	

31 Earthwork**31 20 Earth Moving****31 23 Excavation And Fill**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 43-0009 BCY Mass Excavation, D-4H Dozer, Medium Material 90 HP With Blade, 150' Push, 45 CY/Hour.....	3.89	
31 23 16 43-0010 BCY Mass Excavation, D-4H Dozer, Wet/Loose Rock 90 HP With Blade, 150' Push, 35 CY/Hour.....	5.01	
31 23 16 43-0011 Dozer With Blade, 120 HP, (D-5H) <small>(31 23 16 43-0002)</small>		
31 23 16 43-0012 BCY Mass Excavation, D-5H Dozer, Light Material 120 HP With Blade, 150' Push, 85 CY/Hour.....	2.15	
31 23 16 43-0013 BCY Mass Excavation, D-5H Dozer, Medium Material 120 HP With Blade, 150' Push, 70 CY/Hour.....	2.62	
31 23 16 43-0014 BCY Mass Excavation, D-5H Dozer, Wet/Loose Rock 120 HP With Blade, 150' Push, 50 CY/Hour.....	3.66	
31 23 16 43-0015 Dozer With Blade, 140 HP, (D-6D) <small>(31 23 16 43-0002)</small>		
31 23 16 43-0016 BCY Mass Excavation, D-6D Dozer, Light Material 140 HP With Blade, 150' Push, 115 CY/Hour.....	1.85	
31 23 16 43-0017 BCY Mass Excavation, D-6D Dozer, Medium Material 140 HP With Blade, 150' Push, 90 CY/Hour.....	2.37	
31 23 16 43-0018 BCY Mass Excavation, D-6D Dozer, Wet/Loose Rock 140 HP With Blade, 150' Push, 70 CY/Hour.....	3.05	
31 23 16 43-0019 Dozer With U-Blade, 200 HP, (D-7G) <small>(31 23 16 43-0002)</small>		
31 23 16 43-0020 BCY Mass Excavation, D-7G Dozer, Light Material 200 HP With U-Blade, 150' Push, 185 CY/Hour.....	1.23	
31 23 16 43-0021 BCY Mass Excavation, D-7G Dozer, Medium Material 200 HP With U-Blade 150' Push, 150 CY/Hour.....	1.52	
31 23 16 43-0022 BCY Mass Excavation, D-7G Dozer, Wet/Loose Rock 200 HP With U-Blade, 150' Push, 115 CY/Hour.....	1.98	
31 23 16 43-0023 BCY Mass Excavation, D-7G Dozer, Blasted Rock 200 HP With U-Blade, 150' Push, 90 CY/Hour.....	2.53	
31 23 16 43-0024 Dozer With U-Blade, 335 HP, (D-8L) <small>(31 23 16 43-0002)</small>		
31 23 16 43-0025 BCY Mass Excavation, D-8L Dozer, Light Material 335 HP With U-Blade, 150' Push, 290 CY/Hour.....	0.98	
31 23 16 43-0026 BCY Mass Excavation, D-8L Dozer, Medium Material 335 HP With U-Blade 150' Push, 235 CY/Hour.....	1.21	
31 23 16 43-0027 BCY Mass Excavation, D-8L Dozer, Wet/Loose Rock 335 HP With U-Blade, 150' Push, 180 CY/Hour.....	1.57	
31 23 16 43-0028 BCY Mass Excavation, D-8L Dozer, Blasted Rock 335 HP With U-Blade, 150' Push, 145 CY/Hour.....	1.96	
31 23 16 43-0029 Dozer With U-Blade, 460 HP, (D-9L) <small>(31 23 16 43-0002)</small>		
31 23 16 43-0030 BCY Mass Excavation, D-9L Dozer, Light Material 460 HP With U-Blade, 150' Push, 375 CY/Hour.....	0.74	
31 23 16 43-0031 BCY Mass Excavation, D-9L Dozer, Medium Material 460 HP With U-Blade 150' Push, 300 CY/Hour.....	0.92	
31 23 16 43-0032 BCY Mass Excavation, D-9L Dozer, Wet/Loose Rock 460 HP With U-Blade, 150' Push, 230 CY/Hour.....	1.20	
31 23 16 43-0033 BCY Mass Excavation, D-9L Dozer, Blasted Rock 460 HP With U-Blade, 150' Push, 185 CY/Hour.....	1.50	
31 23 16 43-0034 Dozer With U-Blade, 700 HP, (D-10) <small>(31 23 16 43-0002)</small>		
31 23 16 43-0035 BCY Mass Excavation, D-10 Dozer, Light Material 700 HP With U-Blade, 150' Push, 495 CY/Hour.....	0.61	
31 23 16 43-0036 BCY Mass Excavation, D-10 Dozer, Medium Material 700 HP With U-Blade 150' Push, 400 CY/Hour.....	0.76	
31 23 16 43-0037 BCY Mass Excavation, D-10 Dozer, Wet/Loose Rock 700 HP With U-Blade, 150' Push, 305 CY/Hour.....	0.99	
31 23 16 43-0038 BCY Mass Excavation, D-10 Dozer, Blasted Rock 700 HP With U-Blade, 150' Push, 245 CY/Hour.....	1.23	
31 23 16 43-0039 Dozing Distance Averages 300 Feet Push <small>(31 23 16 43-0001)</small>		
31 23 16 43-0040 Dozer With Blade, 65 HP, (D-3B) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0041 BCY Mass Excavation, D-3B Dozer, Light Material 65 HP With Blade, 12.5 CY/Hour, 300' Push.....	14.30	
31 23 16 43-0042 BCY Mass Excavation, D-3B Dozer, Medium Material 65 HP With Blade, 10 CY/Hour, 300' Push.....	17.88	
31 23 16 43-0043 Dozer With Blade, 90 HP, (D-4H) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0044 BCY Mass Excavation, D-4H Dozer, Light Material 90 HP With Blade, 20 CY/Hour, 300' Push.....	8.77	
31 23 16 43-0045 BCY Mass Excavation, D-4H Dozer, Medium Material 90 HP With Blade, 17.5 CY/Hour, 300' Push.....	10.01	
31 23 16 43-0046 BCY Mass Excavation, D-4H Dozer, Loose Rock 90 HP With Blade, 15 CY/Hour, 300' Push.....	11.69	
31 23 16 43-0047 Dozer With Blade, 120 HP, (D-5H) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0048 BCY Mass Excavation, D-5H Dozer, Light Material 120 HP With Blade, 35 CY/Hour, 300' Push.....	5.22	
31 23 16 43-0049 BCY Mass Excavation, D-5H Dozer, Medium Material 120 HP With Blade, 30 CY/Hour, 300' Push.....	6.09	
31 23 16 43-0050 BCY Mass Excavation, D-5H Dozer, Loose Rock 120 HP With Blade, 25 CY/Hour, 300' Push.....	7.31	
31 23 16 43-0051 Dozer With Blade, 140 HP, (D-6D) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0052 BCY Mass Excavation, D-6D Dozer, Light Material 140 HP With Blade, 55 CY/Hour, 300' Push.....	3.88	
31 23 16 43-0053 BCY Mass Excavation, D-6D Dozer, Medium Material 140 HP With Blade, 45 CY/Hour, 300' Push.....	4.73	
31 23 16 43-0054 BCY Mass Excavation, D-6D Dozer, Loose Rock 140 HP With Blade, 35 CY/Hour, 300' Push.....	6.09	
31 23 16 43-0055 Dozer With U-Blade, 200 HP, (D-7G) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0056 BCY Mass Excavation, D-7G Dozer, Light Material 200 HP With U-Blade, 85 CY/Hour, 300' Push.....	2.68	
31 23 16 43-0057 BCY Mass Excavation, D-7G Dozer, Medium Material 200 HP With U-Blade 65 CY/Hour, 300' Push.....	3.51	
31 23 16 43-0058 BCY Mass Excavation, D-7G Dozer, Loose Rock 200 HP With U-Blade, 50 CY/Hour, 300' Push.....	4.56	
31 23 16 43-0059 BCY Mass Excavation, D-7G Dozer, Blasted Rock 200 HP With U-Blade, 40 CY/Hour, 300' Push.....	5.70	
31 23 16 43-0060 Dozer With U-Blade, 335 HP, (D-8L) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0061 BCY Mass Excavation, D-8L Dozer, Light Material 335 HP With U-Blade, 145 CY/Hour, 300' Push.....	1.96	
31 23 16 43-0062 BCY Mass Excavation, D-8L Dozer, Medium Material 335 HP With U-Blade 115 CY/Hour, 300' Push.....	2.47	



Earthwork	31	15
Earth Moving	31 20	
Excavation And Fill	31 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 43-0063 BCY Mass Excavation, D-8L Dozer, Loose Rock 335 HP With U-Blade, 90 CY/Hour, 300' Push	3.15	
31 23 16 43-0064 BCY Mass Excavation, D-8L Dozer, Blasted Rock 335 HP With U-Blade, 70 CY/Hour, 300' Push	4.04	
31 23 16 43-0065 Dozer With U-Blade, 460 HP, (D-9L) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0066 BCY Mass Excavation, D-9L Dozer, Light Material 460 HP With U-Blade, 195 CY/Hour, 300' Push	1.42	
31 23 16 43-0067 BCY Mass Excavation, D-9L Dozer, Medium Material 460 HP With U-Blade 160 CY/Hour, 300' Push	1.74	
31 23 16 43-0068 BCY Mass Excavation, D-9L Dozer, Loose Rock 460 HP With U-Blade, 120 CY/Hour, 300' Push	2.31	
31 23 16 43-0069 BCY Mass Excavation, D-9L Dozer, Blasted Rock 460 HP With U-Blade, 95 CY/Hour, 300' Push	2.92	
31 23 16 43-0070 Dozer With U-Blade, 700 HP, (D-10) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0071 BCY Mass Excavation, D-10 Dozer, Light Material 700 HP With U-Blade, 275 CY/Hour, 300' Push	1.11	
31 23 16 43-0072 BCY Mass Excavation, D-10 Dozer, Medium Material 700 HP With U-Blade 220 CY/Hour, 300' Push	1.38	
31 23 16 43-0073 BCY Mass Excavation, D-10 Dozer, Loose Rock 700 HP With U-Blade, 170 CY/Hour, 300' Push	1.78	
31 23 16 43-0074 BCY Mass Excavation, D-10 Dozer, Blasted Rock 700 HP With U-Blade, 135 CY/Hour, 300' Push	2.24	
31 23 16 43-0075 Dozing Distance Averages 450 Feet Push <small>(31 23 16 43-0001)</small>		
31 23 16 43-0076 Dozer With U-Blade, 215 HP, (D-7G) <small>(31 23 16 43-0075)</small>		
31 23 16 43-0077 BCY Mass Excavation, D-7G Dozer, Light Material 215 HP With U-Blade, 75 CY/Hour, 450' Push	3.03	
31 23 16 43-0078 BCY Mass Excavation, D-7G Dozer, Medium Material 215 HP With U-Blade 60 CY/Hour, 450' Push	3.80	
31 23 16 43-0079 BCY Mass Excavation, D-7G Dozer, Loose Rock 215 HP With U-Blade, 45 CY/Hour, 450' Push	5.06	
31 23 16 43-0080 BCY Mass Excavation, D-7G Dozer, Blasted Rock 215 HP With U-Blade, 35 CY/Hour, 450' Push	6.51	
31 23 16 43-0081 Dozer With U-Blade, 335 HP, (D-8L) <small>(31 23 16 43-0075)</small>		
31 23 16 43-0082 BCY Mass Excavation, D-8L Dozer, Light Material 335 HP With U-Blade, 105 CY/Hour, 450' Push	2.70	
31 23 16 43-0083 BCY Mass Excavation, D-8L Dozer, Medium Material 335 HP With U-Blade 85 CY/Hour, 450' Push	3.33	
31 23 16 43-0084 BCY Mass Excavation, D-8L Dozer, Loose Rock 335 HP With U-Blade, 65 CY/Hour, 450' Push	4.35	
31 23 16 43-0085 BCY Mass Excavation, D-8L Dozer, Blasted Rock 335 HP With U-Blade, 50 CY/Hour, 450' Push	5.66	
31 23 16 43-0086 Dozer With U-Blade, 460 HP, (D-9L) <small>(31 23 16 43-0075)</small>		
31 23 16 43-0087 BCY Mass Excavation, D-9L Dozer, Light Material 460 HP With U-Blade, 145 CY/Hour, 450' Push	1.92	
31 23 16 43-0088 BCY Mass Excavation, D-9L Dozer, Medium Material 460 HP With U-Blade 115 CY/Hour, 450' Push	2.42	
31 23 16 43-0089 BCY Mass Excavation, D-9L Dozer, Loose Rock 460 HP With U-Blade, 90 CY/Hour, 450' Push	3.08	
31 23 16 43-0090 BCY Mass Excavation, D-9L Dozer, Blasted Rock 460 HP With U-Blade, 70 CY/Hour, 450' Push	3.96	
31 23 16 43-0091 Dozer With U-Blade, 700 HP, (D-10) <small>(31 23 16 43-0075)</small>		
31 23 16 43-0092 BCY Mass Excavation, D-10 Dozer, Light Material 700 HP With U-Blade, 185 CY/Hour, 450' Push	1.64	
31 23 16 43-0093 BCY Mass Excavation, D-10 Dozer, Medium Material 700 HP With U-Blade 150 CY/Hour, 450' Push	2.02	
31 23 16 43-0094 BCY Mass Excavation, D-10 Dozer, Loose Rock 700 HP With U-Blade, 115 CY/Hour, 450' Push	2.64	
31 23 16 43-0095 BCY Mass Excavation, D-10 Dozer, Blasted Rock 700 HP With U-Blade, 90 CY/Hour, 450' Push	3.37	
31 23 16 43-0096 Excavation By Push Loaded Scraper <small>(31 23 16 43)</small>		
Note: Choose scraper capacity and cycle time.		
31 23 16 43-0097 Self Propelled Scraper Capacity 9 BCY <small>(31 23 16 43-0096)</small>		
31 23 16 43-0098 BCY Excavation With Push Loaded Self Propelled Scraper 9 BCY, 9 Cycles Per Hour	3.51	
31 23 16 43-0099 Self Propelled Scraper Capacity 16 BCY <small>(31 23 16 43-0096)</small>		
31 23 16 43-0100 BCY Excavation With Push Loaded Self Propelled Scraper 16 BCY, 9 Cycles Per Hour	2.43	
31 23 16 43-0101 BCY Excavation With Push Loaded Self Propelled Scraper 16 BCY, 6 Cycles Per Hour	3.65	
31 23 16 43-0102 BCY Excavation With Push Loaded Self Propelled Scraper 16 BCY, 4.5 Cycles Per Hour	5.48	
31 23 16 43-0103 Self Propelled Scraper Capacity 25 BCY <small>(31 23 16 43-0096)</small>		
31 23 16 43-0104 BCY Excavation With Push Loaded Self Propelled Scraper 25 BCY, 9 Cycles Per Hour	1.57	
31 23 16 43-0105 BCY Excavation With Push Loaded Self Propelled Scraper 25 BCY, 6 Cycles Per Hour	2.36	
31 23 16 43-0106 BCY Excavation With Push Loaded Self Propelled Scraper 25 BCY, 4.5 Cycles Per Hour	2.78	
31 23 16 43-0107 Self Propelled Scraper Capacity 35 BCY <small>(31 23 16 43-0096)</small>		
31 23 16 43-0108 BCY Excavation With Push Loaded Self Propelled Scraper 35 BCY, 9 Cycles Per Hour	1.18	
31 23 16 43-0109 BCY Excavation With Push Loaded Self Propelled Scraper 35 BCY, 6 Cycles Per Hour	1.78	
31 23 16 43-0110 BCY Excavation With Push Loaded Self Propelled Scraper 35 BCY, 4.5 Cycles Per Hour	2.40	
31 23 16 43-0111 Self Propelled Scraper Capacity 43 BCY <small>(31 23 16 43-0096)</small>		
31 23 16 43-0112 BCY Excavation With Push Loaded Self Propelled Scraper 43 BCY, 9 Cycles Per Hour	0.96	
31 23 16 43-0113 BCY Excavation With Push Loaded Self Propelled Scraper 43 BCY, 6 Cycles Per Hour	1.44	
31 23 16 43-0114 BCY Excavation With Push Loaded Self Propelled Scraper 43 BCY, 4.5 Cycles Per Hour	1.82	

31	31 Earthwork
	31 20 Earth Moving
	31 23 Excavation And Fill



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 23 16 46	Excavation Operations To Expose Underground Pipes And Structures <small>(31 23 16)</small>	
	Note: Includes work above, beside and under pipe. Pipes up to 82" in diameter. Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine. See CSI section 31 23 16 13-0015 for loading excess material, 31 23 16 13-0018 for spreading excess material.	
31 23 16 46-0001	Excavation To Expose Underground Pipe Or Structures <small>(31 23 16 46)</small>	
	Note: Includes stockpiling excess materials and trimming sides and bottom of trench. Excludes rock breaking.	
31 23 16 46-0002	Excavation By Machine To Expose Underground Pipe Or Structure <small>(31 23 16 46-0001)</small>	
31 23 16 46-0003	CY Excavation By Hydraulic Excavator, Backhoe, Loader in Soil/Common Excavation To Expose Underground Pipes And Structures	10.90
	<i>For Excavation In Light Material (Class A), Deduct</i>	-1.36
	<i>For Excavation In Heavy/Wet Material (Class C), Add</i>	4.36
	<i>For Up To 20, Add</i>	10.90
	<i>For >20 To 50, Add</i>	8.18
	<i>For >50 To 250, Add</i>	4.36
	<i>For >250 To 500, Add</i>	1.64
31 23 16 46-0004	CY Excavation By Hydraulic Excavator, Backhoe, Loader in Loose Rock To Expose Underground Pipes And Structures	12.94
	<i>For Up To 20, Add</i>	12.94
	<i>For >20 To 50, Add</i>	9.71
	<i>For >50 To 250, Add</i>	5.18
	<i>For >250 To 500, Add</i>	1.94
31 23 16 46-0005	Excavation By Hand To Expose Underground Pipe Or Structure <small>(31 23 16 46-0001)</small>	
31 23 16 46-0006	CY Excavation By Hand In Soil To Expose Underground Pipes And Structures	131.47
	Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	
31 23 16 46-0007	CY Excavation By Hand In Loose Rock To Expose Underground Pipes And Structures	196.34
	Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	
31 23 16 46-0008	Backfilling Or Placing Subbase At Exposed Underground Pipe Or Structures <small>(31 23 16 46)</small>	
	Note: With imported or stockpiled materials	
31 23 16 46-0009	CY Backfilling By Hydraulic Excavator, Backhoe, Loader At Exposed Underground Pipes And Structures	8.17
	<i>For >20 To 50, Add</i>	6.13
	<i>For >50 To 250, Add</i>	3.27
	<i>For >250 To 500, Add</i>	1.23
31 23 16 46-0010	CY Backfilling by Hand At Exposed Underground Pipes And Structures	59.60
31 23 16 46-0011	Compaction Of Fill Or Subbase At Exposed Underground Pipe Or Structures <small>(31 23 16 46)</small>	
	Note: With imported or stockpiled materials	
31 23 16 46-0012	CY Compaction of Fill or Subbase by Mechanical Means At Exposed Underground Pipe Or Structures	12.16
	<i>For Up To 20, Add</i>	12.16
	<i>For >20 To 50, Add</i>	9.12
	<i>For >50 To 250, Add</i>	4.86
	<i>For >250 To 500, Add</i>	1.82
31 23 16 46-0013	CY Compaction of Fill or Subbase by Hand At Exposed Underground Pipe Or Structures	39.55
31 23 19	Dewatering <small>(31 23)</small>	
31 23 19 00-0001	Well Point Dewatering System <small>(31 23 19)</small>	
31 23 19 00-0002	Delivery, Installation And Removal Cost <small>(31 23 19 00-0001)</small>	
	Note: Priced by linear foot of header used.	
31 23 19 00-0003	LF Up To 100' In Length Well Point System Delivery, Installation And Removal	105.55
31 23 19 00-0004	LF >100' To 250' In Length Well Point System Delivery, Installation And Removal	58.05
31 23 19 00-0005	LF >250' To 500' In Length Well Point System Delivery, Installation And Removal	52.77
31 23 19 00-0006	LF >250' To 500' In Length Well Point System Delivery, Installation And Removal	47.50
31 23 19 00-0007	LF >500' To 1,000' In Length Well Point System Delivery, Installation And Removal	42.22
31 23 19 00-0008	LF >1,000' In Length Well Point System Delivery, Installation And Removal	36.94
31 23 19 00-0009	Well Point Dewatering System Rental <small>(31 23 19 00-0001)</small>	
	Note: Includes all necessary equipment for a well point system (well point with risers, pump, valves, header pipe, discharge pipe, etc.). Use normal adjustment factor only for rental tasks and modifiers. Unit of measure and modifier quantities are based on linear feet of header per day (ex. 200 ft of header for four days - quantity should be 200x4 or 800 ft). Rental days include weekends, when appropriate, regardless if the system is operational during that time. Use weekly modifier for system use of five days to less than a month. Use monthly modifier for system use of one month or greater. See CSI section 31 23 19 00-0002 for installation, 31 23 19 00-0015 for operational costs.	
31 23 19 00-0010	LFD Up To 100' In Length Well Point System Rental (LF x Days = Quantity)	1.78
	<i>For >5 Days And <1 Month, Deduct</i>	-0.39
	<i>For >1 Month, Deduct</i>	-0.50
31 23 19 00-0011	LFD >100' To 250' In Length Well Point System Rental (LF x Days = Quantity)	1.04
	<i>For >5 Days And <1 Month, Deduct</i>	-0.23
	<i>For >1 Month, Deduct</i>	-0.29



Earthwork	31	13
Earth Moving	31 20	
Excavation And Fill	31 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 19 00-0012 LFD >250' To 500' In Length Well Point System Rental (LF x Days = Quantity).....	0.74	
<i>For >5 Days And <1 Month, Deduct</i>	-0.16	
<i>For >1 Month, Deduct</i>	-0.21	
31 23 19 00-0013 LFD >500' To 1,000' In Length Well Point System Rental (LF x Days = Quantity).....	0.54	
<i>For >5 Days And <1 Month, Deduct</i>	-0.12	
<i>For >1 Month, Deduct</i>	-0.15	
31 23 19 00-0014 LFD >1,000' In Length Well Point System Rental (LF x Days = Quantity).....	0.49	
<i>For >5 Days And <1 Month, Deduct</i>	-0.11	
<i>For >1 Month, Deduct</i>	-0.14	
31 23 19 00-0015 Well Point Dewatering System Operation Costs <small>(31 23 19 00-0001)</small>		
Note: The quantity for operation shall be the total number of hours the well point system is operational.		
31 23 19 00-0016 HR Operation Costs.....	96.93	
31 23 23 Fill <small>(31 23)</small>		
31 23 23 23 Compaction <small>(31 23 23)</small>		
31 23 23 23-0001 Compaction Water, Water Truck And Operator <small>(31 23 23 23)</small>		
31 23 23 23-0002 MGL Compaction Water, Water Truck And Operator.....	163.37	
Note: Use this task in situations where fill, base material, etc. requires additional moisture to comply with the compaction specification. Includes delivery up to 15 miles. (Per 1000 Gallons) See CSI section 01 22 23 00-1234 for water truck when water is available on site.		
31 24 Embankments <small>(31 24)</small>		
31 24 13 Roadway Embankments <small>(31 24)</small>		
31 24 13 00-0001 Roadway, Parking Areas, Landscaping And Embankment Excavation And Shaping Operations <small>(31 24 13)</small>		
Note: Use this section for excavation and shaping operations even if the total quantity for the project exceeds 500 CY. See CSI section 31 05 16 00-0000 for imported material, 32 12 16 00-0000 for asphalt paving, 32 13 13 00-0000 for concrete paving.		
31 24 13 00-0002 Cutting, Shaping And Rough Grading <small>(31 24 13 00-0001)</small>		
Note: For roadways, parking areas, landscaping, and embankments. Includes loading or stockpiling excess materials within 300' of initial cut.		
31 24 13 00-0003 Cutting, Shaping, And Rough Grading <small>(31 24 13 00-0002)</small>		
31 24 13 00-0004 CY Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Soil.....	5.61	
<i>For Up To 20, Add</i>	5.61	
<i>For >20 To 50, Add</i>	4.21	
<i>For >50 To 250, Add</i>	2.24	
<i>For >250 To 500, Add</i>	0.84	
<i>For >1,000, Deduct</i>	-0.84	
31 24 13 00-0005 CY Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Loose Rock.....	6.96	
<i>For Up To 20, Add</i>	6.96	
<i>For >20 To 50, Add</i>	5.22	
<i>For >50 To 250, Add</i>	2.78	
<i>For >250 To 500, Add</i>	1.04	
<i>For >1,000, Deduct</i>	-1.04	
31 24 13 00-0006 Cutting, Shaping, And Rough Grading By Hand <small>(31 24 13 00-0002)</small>		
31 24 13 00-0007 SY Shape Embankment/Slope By Hand Up To 1 On 4 Slope.....	5.40	
31 24 13 00-0008 SY Shape Embankment/Slope By Hand Greater Than 1 On 4 Slope.....	7.01	
31 24 13 00-0009 Scarify Soil <small>(31 24 13 00-0001)</small>		
Note: For roadways, parking areas, landscaping and embankments by machine.		
31 24 13 00-0010 CSF Scarify Soil For Roadways, Parking Areas, Landscaping And Embankments By Machine.....	5.20	
<i>For Up To 20, Add</i>	2.60	
<i>For >20 To 50, Add</i>	1.30	
<i>For >250 To 500, Deduct</i>	-0.52	
<i>For >500, Deduct</i>	-1.04	
31 24 13 00-0011 Relocating On Site Excavated Material <small>(31 24 13 00-0001)</small>		
31 24 13 00-0012 CY >500' To 1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine.....	10.11	
<i>For Up To 20, Add</i>	10.11	
<i>For >20 To 50, Add</i>	7.58	
<i>For >50 To 250, Add</i>	4.04	
<i>For >250 To 500, Add</i>	1.52	
<i>For >1,000, Deduct</i>	-1.52	

31	Earthwork
31 20	Earth Moving
31 24	Embankments



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 24 13 00-0013 CY >1,000, Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine.....	13.48	
For Up To 20, Add	13.48	
For >20 To 50, Add	10.11	
For >50 To 250, Add	5.39	
For >250 To 500, Add	2.02	
For >1,000, Deduct	-2.02	
31 24 13 00-0014 Spread And Shape Imported Or Stockpiled Material <small>(31 24 13 00-0001)</small> Note: For roadways, parking areas, landscaping and embankments. See CSI section 31 23 16 36-0032 for spreading material by hand.		
31 24 13 00-0015 CY Spread And Shape Imported Or Stockpiled Material For Roadways, Parking Areas, Landscaping and Embankments By Machine	6.18	
For Up To 20, Add	6.18	
For >20 To 50, Add	4.64	
For >50 To 250, Add	2.47	
For >250 To 500, Add	0.93	
For >1,000, Deduct	-0.93	
31 24 13 00-0016 Grading <small>(31 24 13 00-0001)</small> Note: For roadways, parking areas, landscaping and embankments by machine.		
31 24 13 00-0017 SY Rough Grade Roadway, Parking Areas, Landscaping And Embankments By Machine	0.62	
31 24 13 00-0018 SY Finish Grade Roadway, Parking Areas, Landscaping And Embankments By Machine	0.83	
31 24 13 00-0019 LF Finish Grade For Curb	0.94	
31 24 13 00-0020 LF Finish Grade For Curb And Gutter	1.14	
31 24 13 00-0021 Compaction Of Fill Or Subbase <small>(31 24 13 00-0001)</small> Note: For roadways, parking areas, landscaping and embankments by machine, per lift.		
31 24 13 00-0022 SY Compaction Of Fill Or Subbase For Roadways, Parking Areas, Landscaping And Embankments By Machine Per Lift.....	0.57	
For Up To 250, Add	0.57	
For >250 To 500, Add	0.43	
For >500 To 1,000, Add	0.23	
For >5,000, Deduct	-0.09	
31 24 13 00-0023 Loading Excess Material For Removal From Excavation <small>(31 24 13 00-0001)</small> Note: For roadways, parking areas, landscaping and embankments by machine. Includes hand work by laborer for clean-up.		
31 24 13 00-0024 CY Load Excess Material For Removal For Roadways, Parking Areas, Landscaping and Embankments by Machine	4.57	
For Up To 20, Add	4.57	
For >20 To 50, Add	3.43	
For >50 To 250, Add	1.83	
For >250 To 500, Add	0.69	
For >1,000, Deduct	-0.69	
31 25 Erosion And Sedimentation Controls <small>(31 20)</small>		
31 25 14 Stabilization Measures For Erosion And Sedimentation Control <small>(31 25)</small>		
31 25 14 13 Hydraulically-Applied Erosion Control <small>(31 25 14)</small>		
31 25 14 13-0001 Bonded Fiber Matrix <small>(31 25 14 13)</small>		
31 25 14 13-0002 MSF Up To 25,000 SF Bonded Fiber Matrix, Hydraulically Applied	42.13	
31 25 14 13-0003 MSF >25,000 To 50,000 SF Bonded Fiber Matrix, Hydraulically Applied.....	38.17	
31 25 14 13-0004 MSF >50,000 To 100,000 SF Bonded Fiber Matrix, Hydraulically Applied.....	34.81	
31 25 14 13-0005 MSF >100,000 Bonded Fiber Matrix, Hydraulically Applied	32.90	
31 25 14 16 Rolled Erosion Control Mats And Blankets <small>(31 25 14)</small> Note: Includes all staples and stakes for erosion control blankets and turf reinforcement mats.		
31 25 14 16-0001 Erosion Control Blankets And Turf Reinforcement Mats <small>(31 25 14 16)</small>		
31 25 14 16-0002 Erosion Control Blankets, Short Term, Light Duty <small>(31 25 14 16-0001)</small>		
31 25 14 16-0003 SY S75 Single Net Erosion Control Blanket	1.62	
Note: Straw matrix with degradable thread to a single standard photodegradable polypropylene netting as manufactured by North American Green.		
31 25 14 16-0004 SY S75BN Single Net Erosion Control Blanket	1.97	
Note: Straw Matrix with Biodegradable Thread to a Single Natural Fiber Netting as manufactured by North American Green.		
31 25 14 16-0005 SY Curlex 1, Single Net Erosion Control Blanket	1.56	
Note: As manufactured by American Excelsior		
31 25 14 16-0006 SY Curlex 1, Single Net Erosion Control Blanket	1.62	
Note: As manufactured by American Green.		
31 25 14 16-0007 SY Futerra Erosion Control Blanket, Wood Fibers With Biodegradable Netting.....	1.48	
31 25 14 16-0008 Erosion Control Blankets, Intermediate Duration <small>(31 25 14 16-0001)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 16-0009 SY S150 Double Net Erosion Control Blanket.....	2.07	
Note: Straw matrix with degradable thread to a double standard photodegradable polypropylene netting as manufactured by North American Green.		
31 25 14 16-0010 SY S150 BN Double Net Erosion Control Blanket.....	2.62	
Note: Straw matrix with biodegradable thread to a double natural fiber netting as manufactured by North American Green.		
31 25 14 16-0011 SY Curlex II, Double Net Erosion Control Blanket, Natural	1.81	
Note: As manufactured by American Excelsior.		
31 25 14 16-0012 SY Curlex II, Double Net Erosion Control Blanket, Green	1.87	
Note: As manufactured by American Excelsior.		
31 25 14 16-0013 SY Enforcer Double Net Erosion Control Blanket.....	1.96	
Note: As manufactured by American Excelsior.		
31 25 14 16-0014 Turf Reinforcement Mats (TRM) (31 25 14 16-0001)		
Note: Permanent, UV stabilized.		
31 25 14 16-0015 SY P300 Permanent Polypropylene Turf Reinforcement Mat.....	8.95	
Note: 100% synthetic, UV stabilized, two layer netting.		
31 25 14 16-0016 SY C350 Permanent Turf Reinforcement Mat	8.30	
Note: 100% synthetic, UV stabilized netting incorporating natural coconut fibers as manufactured by North American Green.		
31 25 14 16-0017 SY Recyclex TRM, Permanent Turf Reinforcement Mat	8.03	
Note: As manufactured by American Excelsior, 100% recycled		
31 25 14 16-0018 Jute Mesh Erosion Control Blankets (31 25 14 16-0001)		
31 25 14 16-0019 SY Jute Mesh, Open Uniform Weave.....	1.82	
31 25 14 16-0020 Revegetation Mat (31 25 14 16-0001)		
31 25 14 16-0021 SY 3-Dimensional Webbed Revegetation Mat, Polyolefin Fiber.....	6.45	
Note: Polyolefin fibers oriented and mechanically bonded between two nets. Landlok TRM 450 or equal.		
31 25 14 16-0022 SY Webbed Revegetation Mat, Polypropylene Fiber.....	9.16	
Note: Polypropylene fibers positioned between two high strength biaxially oriented nets and mechanically held together by parallel stitching with polypropylene thread. Landlok TRM 1060 or equal.		
31 25 14 23 Stabilization Measures For Erosion Control (31 25 14)		
See CSI section 01 74 19 00-0036 for hauling greater than 15 miles.		
31 25 14 23-0001 Sand Bags (31 25 14 23)		
Note: Bags filled on site with delivered material. Includes material and placement of bags.		
31 25 14 23-0002 BAG 50 LB Capacity Sand Bag With Sand	5.34	2.22
For >2,500 To 5,000, Deduct		
	-0.44	
For >5,000, Deduct		
	-0.98	
31 25 14 23-0003 BAG 75 LB Capacity Sand Bag With Sand	6.91	2.76
For >2,500 To 5,000, Deduct		
	-0.55	
For >5,000, Deduct		
	-1.24	
31 25 14 23-0004 BAG 100 LB Capacity Sand Bag With Sand	8.63	3.30
For >2,500 To 5,000, Deduct		
	-0.66	
For >5,000, Deduct		
	-1.52	
31 25 14 23-0005 BAG 125 LB Capacity Sand Bag With Sand	10.68	4.11
For >2,500 To 5,000, Deduct		
	-0.82	
For >5,000, Deduct		
	-1.89	
31 25 14 23-0006 BAG 150 LB Capacity Sand Bag With Sand	12.95	4.94
For >2,500 To 5,000, Deduct		
	-0.99	
For >5,000, Deduct		
	-2.28	
31 25 14 23-0007 BAG 175 LB Capacity Sand Bag With Sand	15.01	5.61
For >2,500 To 5,000, Deduct		
	-1.12	
For >5,000, Deduct		
	-2.62	
31 25 14 23-0008 BAG 2,000 LB Capacity Sand Bag With Sand	122.39	38.65
For >2,500 To 5,000, Deduct		
	-7.73	
For >5,000, Deduct		
	-19.97	
31 25 14 23-0009 BAG 3,000 LB Capacity Sand Bag With Sand	158.31	42.52
For >2,500 To 5,000, Deduct		
	-8.50	
31 25 14 23-0010 Gravel Bags (31 25 14 23)		
Note: Bags filled on site with delivered material. Includes material and placement of bags.		
31 25 14 23-0011 BAG 30 LB Capacity Gravel Bag With Gravel.....	4.16	1.47
For >2,500 To 5,000, Deduct		
	-0.29	
For >5,000, Deduct		
	-0.71	
31 25 14 23-0012 BAG 50 LB Capacity Gravel Bag With Gravel.....	7.31	2.22
For >2,500 To 5,000, Deduct		
	-0.44	
For >5,000, Deduct		
	-1.17	
31 25 14 23-0013 Floating Turbidity Curtain (31 25 14 23)		
Note: Type 2 DOT fabric - 18 oz. nominal laminated vinyl/polyester. EPS flotation, 6 in. x 6 in., 13.5 lb./ft. buoyancy in fresh water and 14.4 lb./ft buoyancy in saltwater.		
31 25 14 23-0014 LF 3' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	20.25	
For Type 1, Deduct		
	-3.07	
For 13 Oz PVC Fabric, Type 2, Deduct		
	-1.87	
For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add		
	2.27	

31	Earthwork
31 20	Earth Moving
31 25	Erosion And Sedimentation Controls



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 23-0015	LF	4'	High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	21.93	
			<i>For Type 1, Deduct</i>	-3.38	
			<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-2.06	
			<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	2.50	
31 25 14 23-0016	LF	5'	High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	24.25	
			<i>For Type 1, Deduct</i>	-3.82	
			<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-2.33	
			<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	2.83	
31 25 14 23-0017	LF	6'	High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	26.23	
			<i>For Type 1, Deduct</i>	-4.19	
			<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-2.55	
			<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	3.10	
31 25 14 23-0018	LF	7'	High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	27.52	
			<i>For Type 1, Deduct</i>	-4.40	
			<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-2.68	
			<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	3.25	
31 25 14 23-0019	LF	8'	High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	28.82	
			<i>For Type 1, Deduct</i>	-4.60	
			<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-2.80	
			<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	3.40	
31 25 14 23-0020	LF	9'	High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	30.33	
			<i>For Type 1, Deduct</i>	-4.85	
			<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-2.95	
			<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	3.58	
31 25 14 23-0021	LF	10'	High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	32.40	
			<i>For Type 1, Deduct</i>	-5.22	
			<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-3.18	
			<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	3.86	
31 25 14 23-0022	LF	12'	High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	34.05	
			<i>For Type 1, Deduct</i>	-5.48	
			<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-3.34	
			<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	4.05	
31 25 14 23-0023	LF	13'	High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	36.24	
			<i>For Type 1, Deduct</i>	-5.87	
			<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-3.57	
			<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	4.34	
31 25 14 23-0024	LF	14'	High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	38.30	
			<i>For Type 1, Deduct</i>	-6.22	
			<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-3.79	
			<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	4.60	
31 25 14 23-0025	LF	15'	High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	40.28	
			<i>For Type 1, Deduct</i>	-6.55	
			<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-3.98	
			<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	4.84	
31 25 14 23-0026	LF	16'	High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	43.80	
			<i>For Type 1, Deduct</i>	-7.22	
			<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-4.40	
			<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	5.34	
31 25 14 23-0027	LF	17'	High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	45.93	
			<i>For Type 1, Deduct</i>	-7.57	
			<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-4.61	
			<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	5.59	
31 25 14 23-0028	LF	18'	High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	48.00	
			<i>For Type 1, Deduct</i>	-7.90	
			<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-4.81	
			<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	5.84	
31 25 14 23-0029	LF	19'	High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	50.20	
			<i>For Type 1, Deduct</i>	-8.24	
			<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-5.02	
			<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	6.09	
31 25 14 23-0030	LF	20'	High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	52.34	
			<i>For Type 1, Deduct</i>	-8.57	
			<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-5.22	
			<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	6.34	
31 25 14 23-0031			Turbidity Curtain Anchors <small>(31 25 14 23)</small>		
31 25 14 23-0032	EA	14 LB,	Turbidity Curtain Anchor System.....	535.23	
			Note: Includes anchor, anchor chain, and marker buoy and rope.		
31 25 14 23-0033	EA	25 LB,	Turbidity Curtain Anchor System.....	732.75	
			Note: Includes anchor, anchor chain, and marker buoy and rope.		
31 25 14 23-0034	EA	40 LB,	Turbidity Curtain Anchor System.....	931.14	
			Note: Includes anchor, anchor chain, and marker buoy and rope.		
31 25 14 23-0035	EA	65 LB,	Turbidity Curtain Anchor System.....	1,216.81	
			Note: Includes anchor, anchor chain, and marker buoy and rope.		
31 25 14 23-0036			Filter Bags <small>(31 25 14 23)</small>		
31 25 14 23-0037			Non-Woven Filter Bags <small>(31 25 14 23-0036)</small>		
31 25 14 23-0038	EA	6' x 15'	Non-Woven Filter Bag.....	142.87	
31 25 14 23-0039	EA	13' x 15'	Non-Woven Filter Bag.....	206.16	
31 25 14 23-0040	EA	15' x 15'	Non-Woven Filter Bag.....	237.71	



Earthwork	31	15
Earth Moving	31 20	
Erosion And Sedimentation Controls	31 25	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 23-0041 Monofilament Filter Bags <small>(31 25 14 23-0036)</small>		
31 25 14 23-0042 EA 5' x 15' Monofilament Filter Bag.....	148.35	
31 25 14 23-0043 EA 10' x 15' Monofilament Filter Bag.....	204.71	
31 25 14 23-0044 Cable Articulating Concrete Block <small>(31 25 14 23)</small>		
Note: 4000 PSI Compressive strength, 12 LB/CF maximum absorption. Interlocking block with longitudinal revetment cable. Includes anchoring block to 12" x 12" x 6" concrete pier every 5' with anchor and filling cells with stockpiled material. Excludes site preparation and imported materials.		
31 25 14 23-0045 SF 4.75" Open Cell Articulated Concrete Block With Earth Backfill	33.23	
For Up To 500, Add	7.54	
For >500 To 1,000, Add	4.22	
31 25 14 23-0046 SF 6" Open Cell Articulated Concrete Block With Earth Backfill	37.91	
For Up To 500, Add	8.56	
For >500 To 1,000, Add	4.77	
31 25 14 23-0047 SF 7.5" Open Cell Articulated Concrete Block With Earth Backfill	43.29	
For Up To 500, Add	9.73	
For >500 To 1,000, Add	5.40	
31 25 14 23-0048 SF 9" Open Cell Articulated Concrete Block With Earth Backfill	48.79	
For Up To 500, Add	10.95	
For >500 To 1,000, Add	6.07	
31 25 14 23-0049 SF 4.75" Closed Cell Articulated Concrete Block	35.53	
For Up To 500, Add	8.00	
For >500 To 1,000, Add	4.45	
31 25 14 23-0050 SF 6" Closed Cell Articulated Concrete Block	40.67	
For Up To 500, Add	9.11	
For >500 To 1,000, Add	5.04	
31 25 14 23-0051 SF 7.5" Closed Cell Articulated Concrete Block	46.56	
For Up To 500, Add	10.39	
For >500 To 1,000, Add	5.73	
31 25 14 23-0052 SF 9" Closed Cell Articulated Concrete Block	52.52	
For Up To 500, Add	11.70	
For >500 To 1,000, Add	6.45	
31 25 14 26 Stabilization Measures For Sedimentation Control <small>(31 25 14)</small>		
31 25 14 26-0001 Silt Fences And Dike Barriers <small>(31 25 14 26)</small>		
Note: Includes stakes and embedding.		
31 25 14 26-0002 Silt Fences 2' High <small>(31 25 14 26-0001)</small>		
31 25 14 26-0003 LF 2' High Silt Fence with Stakes at 4' On Center	2.55	
31 25 14 26-0004 LF 2' High Silt Fence with Stakes at 6' On Center	1.99	
31 25 14 26-0005 LF 2' High Silt Fence with Stakes at 8' On Center	1.43	
31 25 14 26-0006 LF 2' High Silt Fence with Stakes at 10' On Center	1.24	
31 25 14 26-0007 Silt Fences 3' High <small>(31 25 14 26-0001)</small>		
31 25 14 26-0008 LF 3' High Silt Fence with Stakes at 4' On Center	2.33	
31 25 14 26-0009 LF 3' High Silt Fence with Stakes at 6' On Center	2.06	
31 25 14 26-0010 LF 3' High Silt Fence with Stakes at 8' On Center	1.27	
31 25 14 26-0011 LF 3' High Silt Fence with Stakes at 10' On Center	1.31	
31 25 14 26-0012 Silt Dike Barrier <small>(31 25 14 26-0001)</small>		
31 25 14 26-0013 LF Silt Dike Barrier With Stakes.....	3.04	
31 25 14 26-0014 Silt Fences Removal <small>(31 25 14 26-0001)</small>		
31 25 14 26-0015 LF Removal Of Silt Fence And Stakes.....	0.70	
31 25 14 26-0016 Hay And Straw Bales <small>(31 25 14 26)</small>		
Note: Includes trench for placement, and stakes.		
31 25 14 26-0017 LF Place Sterilized Straw Bales.....	3.97	
Note: Includes securing in ground with stakes.		
31 25 14 26-0018 LF Place Hay Bales	3.67	
Note: Includes securing in ground with stakes.		
31 25 14 26-0019 LF Removal Of Hay Or Straw Bales	1.25	
Note: Includes removal of stakes.		
31 25 14 26-0020 Sediment Logs (Degradable) <small>(31 25 14 26)</small>		
31 25 14 26-0021 Sediment Logs (Degradable) <small>(31 25 14 26-0020)</small>		
Note: Includes stakes and removal after use. Curlex sediment logs as manufactured by American Excelsior.		
31 25 14 26-0022 LF 12" Sediment Log	6.94	
31 25 14 26-0023 LF 20" Sediment Log	8.12	
31 25 14 26-0024 Wattles (Degradable) <small>(31 25 14 26-0020)</small>		
Note: Includes trench for placement, 24" wood staking at 4' O.C.		

31	31	Earthwork
	31 20	Earth Moving
	31 25	Erosion And Sedimentation Controls



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
31 25 14 26-0025	EA	Wattles (Sterile Straw Filled Rolls), 9" x 25'			127.09
31 25 14 26-0026	EA	Wattles (Sterile Straw Filled Rolls), 12" x 20'			119.71
31 25 14 26-0027		Fiber Roll (CALTRANS Type 1) <small>(31 25 14 26)</small>			
		Note: Includes furrow trench for placement, 24" wood staking at 4' O.C.			
31 25 14 26-0028	LF	8" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1			5.37
		For >1,000 To 10,000, Deduct			-0.62
		For >10,000, Deduct			-1.05
31 25 14 26-0029	LF	9" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1			6.06
		For >1,000 To 10,000, Deduct			-0.64
		For >10,000, Deduct			-1.09
31 25 14 26-0030	LF	12" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1			7.56
		For >1,000 To 10,000, Deduct			-0.76
		For >10,000, Deduct			-1.30
31 25 14 26-0031		Fiber Roll (CALTRANS Type 2) <small>(31 25 14 26)</small>			
		Note: Includes 24" wood stakes at 2' O.C. off-set on sides with ropes.			
31 25 14 26-0032	LF	8" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2			4.59
		For >1,000 To 10,000, Deduct			-0.50
		For >10,000, Deduct			-0.85
31 25 14 26-0033	LF	9" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2			5.24
		For >1,000 To 10,000, Deduct			-0.52
		For >10,000, Deduct			-0.88
31 25 14 26-0034	LF	12" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2			6.14
		For >1,000 To 10,000, Deduct			-0.55
		For >10,000, Deduct			-0.94
31 25 14 26-0035		Inlet Protection Sediment Bags <small>(31 25 14 26)</small>			
		Note: Includes removal, cleaning, and replacement per each location.			
31 25 14 26-0036	EA	2' x 2' x 3' Inlet Protection Sediment Bag			43.52
31 25 14 26-0037	EA	2' x 3' x 3' Inlet Protection Sediment Bag			53.90
31 25 14 26-0038	EA	2' x 4' x 3' Inlet Protection Sediment Bag			65.83

31 30 Earthwork Methods (31)

31 31 Soil Treatment (31 30)

31 31 16 Termite Control (31 31)

31 31 16 13 Chemical Termite Control (31 31 16)

31 31 16 13-0001 Commercial Use (31 31 16 13)

31 31 16 13-0002	SF	Termite Pretreatment, Commercial Soil Poisoning Under Slab			0.74
31 31 16 13-0003	SF	Termite Pretreatment, Commercial Slab And Walls			0.74

31 31 16 13-0004 Residential Use (31 31 16 13)

31 31 16 13-0005	SF	Termite Pretreatment, Residential General Spraying Walls And Slab			0.70
31 31 16 13-0006	SF	Termite Treatment, Existing Residential Structure			0.98

31 31 19 Vegetation Control (31 31)

31 31 19 13 Chemical Vegetation Control (31 31 19)

31 31 19 13-0001 Soil Sterilants (31 31 19 13)

31 31 19 13-0002	MSF	Soil Sterilant			20.34
		Note: Use only in areas where complete control of all vegetation is desired, such as industrial sites, right-of-way, lumberyards, petroleum tank farms, around farm buildings, along fence lines, etc. When applied to the soil, this product usually inhibits plant growth for a year or more.			
		For >45 To 90, Deduct			-0.38
		For >90 To 225, Deduct			-1.77
		For >225, Deduct			-2.52

31 32 Soil Stabilization (31 30)

31 32 13 Soil Mixing Stabilization (31 32)

31 32 13 16 Cement Soil Stabilization (31 32 13)

31 32 13 16-0001 Cementitious Soil Binder (31 32 13 16)

31 32 13 16-0002	CY	Cementitious Soil Binder, 4% Cement Mix By Volume			31.80
31 32 13 16-0003	CY	Cementitious Soil Binder, 6% Cement Mix By Volume			36.87
31 32 13 16-0004	CY	Cementitious Soil Binder, 9% Cement Mix By Volume			45.22
31 32 13 16-0005	CY	Cementitious Soil Binder, 12% Cement Mix By Volume			53.45



Earthwork	31	13
Earthwork Methods	31 30	
Soil Stabilization	31 32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 32 13 19 Lime Soil Stabilization (31 32 13)

Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. The price excludes the cost for spreading or backfilling. See CSI section 01 74 19 00-0036 for hauling greater than 15 miles.

31 32 13 19-0001 Lime Slurry (31 32 13 19)

31 32 13 19-0002	LCY	Soil Stabilization With Lime Slurry 10% Lime Slurry By Volume	25.57
31 32 13 19-0003	TON	Cement Stabilized Base Material	42.39
31 32 13 19-0004	CWT	Lime For Soil Stabilization	5.79
Note: Excludes the cost for spreading or backfilling			
31 32 13 19-0005	LCY	Roller, Grader - Lime Stabilization	13.92
31 32 13 19-0006	LCY	Roller, Grader - Cement Stabilization	3.25

31 32 13 19-0007 Lime Stabilized Subgrade (31 32 13 19)

Note: Based on soil weight of 110 LB/CF using lime weight of 5.5 LB/CF (5%).

31 32 13 19-0008	SY	6" Thick Lime Stabilized Subgrade, 25 LB.....	6.12
		For 4% Lime Instead Of 5%, Deduct	-0.10
		For 6% Lime Instead Of 5%, Add	0.10
31 32 13 19-0009	SY	7" Thick Lime Stabilized Subgrade, 29 LB.....	7.12
		For 4% Lime Instead Of 5%, Deduct	-0.12
		For 6% Lime Instead Of 5%, Add	0.12
31 32 13 19-0010	SY	8" Thick Lime Stabilized Subgrade, 33 LB.....	8.13
		For 4% Lime Instead Of 5%, Deduct	-0.14
		For 6% Lime Instead Of 5%, Add	0.14

31 32 13 29 Liquid Soil Stabilization (31 32 13)

31 32 13 29-0001	GAL	Polyacrylamide And Calcium Solution	2.31
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31 32 19 Geosynthetic Soil Stabilization And Layer Separation (31 32)

31 32 19 13 Geogrid Soil Stabilization (31 32 19)

31 32 19 13-0001 Geogrid Fabrics (31 32 19 13)

Note: For reinforcement of over steepened earth slopes, segmental retaining walls and other mechanically stabilized earth applications.

31 32 19 13-0002	SY	5.3 Oz/SY, 1,700 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-150).....	2.43
		For Up To 50, Add	0.57
		For >50 To 150, Add	0.42
		For >150 To 250, Add	0.27
		For >250 To 500, Add	0.14
31 32 19 13-0003	SY	6.9 Oz/SY, 3,100 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-300).....	2.76
		For Up To 50, Add	0.64
		For >50 To 150, Add	0.47
		For >150 To 250, Add	0.31
		For >250 To 500, Add	0.15
31 32 19 13-0004	SY	8.7 Oz/SY, 4,280 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-500).....	3.01
		For Up To 50, Add	0.70
		For >50 To 150, Add	0.52
		For >150 To 250, Add	0.33
		For >250 To 500, Add	0.17
31 32 19 13-0005	SY	12.6 Oz/SY, 7,315 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-800).....	4.28
		For Up To 50, Add	0.96
		For >50 To 150, Add	0.71
		For >150 To 250, Add	0.46
		For >250 To 500, Add	0.23
31 32 19 13-0006	SY	14.1 Oz/SY, 9,790 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-1000).....	4.89
		For Up To 50, Add	1.08
		For >50 To 150, Add	0.80
		For >150 To 250, Add	0.52
		For >250 To 500, Add	0.26
31 32 19 13-0007	SY	4.3 Oz/SY, 1,658 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 20)	2.47
		For Up To 50, Add	0.58
		For >50 To 150, Add	0.43
		For >150 To 250, Add	0.28
		For >250 To 500, Add	0.14
31 32 19 13-0008	SY	5.9 Oz/SY, 2,192 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 30)	3.58
		For Up To 50, Add	0.81
		For >50 To 150, Add	0.60
		For >150 To 250, Add	0.39
		For >250 To 500, Add	0.19

31 32 19 16 Geotextile Soil Stabilization (31 32 19)

31 32 19 16-0001 Nonwoven Polypropylene Geotextiles (31 32 19 16)

Note: For drainage, filtration and separation.

31	Earthwork
31 30	Earthwork Methods
31 32	Soil Stabilization



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 16-0002 SY 3.0 Oz/SY, 40 Mil, 80 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-30HS).....	0.76	
For Up To 50, Add	0.19	
For >50 To 150, Add	0.14	
For >150 To 250, Add	0.09	
For >250 To 500, Add	0.04	
31 32 19 16-0003 SY 3.5 Oz/SY, 50 Mil, 95 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-35HS).....	0.82	
For Up To 50, Add	0.20	
For >50 To 150, Add	0.15	
For >150 To 250, Add	0.09	
For >250 To 500, Add	0.05	
31 32 19 16-0004 SY 4.0 Oz/SY, 60 Mil, 115 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-40HS).....	0.88	
For Up To 50, Add	0.21	
For >50 To 150, Add	0.15	
For >150 To 250, Add	0.10	
For >250 To 500, Add	0.05	
31 32 19 16-0005 SY 4.5 Oz/SY, 55 Mil, 120 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-45HS).....	0.94	
For Up To 50, Add	0.22	
For >50 To 150, Add	0.16	
For >150 To 250, Add	0.11	
For >250 To 500, Add	0.05	
31 32 19 16-0006 SY 6.0 Oz/SY, 70 Mil, 160 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-60HS).....	1.11	
For Up To 50, Add	0.26	
For >50 To 150, Add	0.19	
For >150 To 250, Add	0.12	
For >250 To 500, Add	0.06	
31 32 19 16-0007 SY 7.0 Oz/SY, 85 Mil, 180 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-70HS).....	1.31	
For Up To 50, Add	0.30	
For >50 To 150, Add	0.22	
For >150 To 250, Add	0.15	
For >250 To 500, Add	0.07	
31 32 19 16-0008 SY 8.0 Oz/SY, 85 Mil, 205 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-80HS).....	1.44	
For Up To 50, Add	0.33	
For >50 To 150, Add	0.24	
For >150 To 250, Add	0.16	
For >250 To 500, Add	0.08	
31 32 19 16-0009 SY 10 Oz/SY, 115 Mil, 250 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-100HS).....	1.76	
For Up To 50, Add	0.39	
For >50 To 150, Add	0.29	
For >150 To 250, Add	0.19	
For >250 To 500, Add	0.10	
31 32 19 16-0010 SY 16 Oz/SY, 175 Mil, 425 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric.....	3.81	
For Up To 50, Add	0.80	
For >50 To 150, Add	0.60	
For >150 To 250, Add	0.40	
For >250 To 500, Add	0.20	
31 32 19 16-0011 Woven Geotextiles Fabric <small>(31 32 19 16)</small>		
31 32 19 16-0012 SY 200 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-55).....	1.08	
For Up To 50, Add	0.25	
For >50 To 150, Add	0.18	
For >150 To 250, Add	0.12	
For >250 To 500, Add	0.06	
31 32 19 16-0013 SY 315 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-66).....	1.51	
For Up To 50, Add	0.34	
For >50 To 150, Add	0.25	
For >150 To 250, Add	0.16	
For >250 To 500, Add	0.08	
31 32 19 16-0014 SY 4 To 6% Open Area, 370 x 250 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 6%).....	2.64	
For Up To 50, Add	0.57	
For >50 To 150, Add	0.42	
For >150 To 250, Add	0.28	
For >250 To 500, Add	0.14	
31 32 19 16-0015 SY 11 To 15% Open Area, 370 x 220 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 15%).....	2.58	
For Up To 50, Add	0.56	
For >50 To 150, Add	0.42	
For >150 To 250, Add	0.27	
For >250 To 500, Add	0.14	
31 32 19 16-0016 SY 6.9 Oz/SY, 250 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-250TF).....	2.26	
For Up To 50, Add	0.49	
For >50 To 150, Add	0.37	
For >150 To 250, Add	0.24	
For >250 To 500, Add	0.12	
31 32 19 16-0017 SY 9.1 Oz/SY, 333 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-330TF).....	2.41	
For Up To 50, Add	0.52	
For >50 To 150, Add	0.39	
For >150 To 250, Add	0.26	
For >250 To 500, Add	0.13	



Earthwork	31	13
Earthwork Methods	31 30	
Soil Stabilization	31 32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 16-0018 SY 12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-400TF).....	3.06	
<i>For Up To 50, Add</i>	0.65	
<i>For >50 To 150, Add</i>	0.49	
<i>For >150 To 250, Add</i>	0.32	
<i>For >250 To 500, Add</i>	0.16	
31 32 19 16-0019 SY 12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Monofilament And Fibrillated Geotextile Fabric (Carthage Mills FX-400MF)	4.35	
<i>For Up To 50, Add</i>	0.91	
<i>For >50 To 150, Add</i>	0.68	
<i>For >150 To 250, Add</i>	0.45	
<i>For >250 To 500, Add</i>	0.22	
31 32 19 16-0020 Geomembranes <small>(31 32 19 16)</small>		
31 32 19 16-0021 Polyvinyl Chloride (PVC) Geomembrane <small>(31 32 19 16-0020)</small>		
31 32 19 16-0022 SF 20 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	0.86	
31 32 19 16-0023 SF 30 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.00	
31 32 19 16-0024 SF 40 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.19	
31 32 19 16-0025 SF 50 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.42	
31 32 19 16-0026 SF 60 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.62	
31 32 19 16-0027 SF 70 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.76	
31 32 19 16-0028 SF 80 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.91	
31 32 19 16-0029 SF 90 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.10	
31 32 19 16-0030 SF 100 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.30	
31 32 19 16-0031 High Density Polyethylene (HDPE) Geomembrane <small>(31 32 19 16-0020)</small>		
31 32 19 16-0032 SF 20 Mil High Density Polyethylene Membrane (US Fabrics)	0.85	
31 32 19 16-0033 SF 30 Mil High Density Polyethylene Membrane (US Fabrics)	1.24	
31 32 19 16-0034 SF 40 Mil High Density Polyethylene Membrane (US Fabrics)	1.48	
31 32 19 16-0035 SF 50 Mil High Density Polyethylene Membrane (US Fabrics)	2.53	
31 32 19 16-0036 SF 60 Mil High Density Polyethylene Membrane (US Fabrics)	1.93	
31 32 19 16-0037 SF 80 Mil High Density Polyethylene Membrane (US Fabrics)	2.41	
31 32 19 16-0038 SF 100 Mil High Density Polyethylene Membrane (US Fabrics)	2.90	
31 32 19 16-0039 SF 120 Mil High Density Polyethylene Membrane (US Fabrics)	5.37	
31 32 19 16-0040 SF 140 Mil High Density Polyethylene Membrane (US Fabrics)	5.57	
31 32 19 26 Geoweb Cellular Confinement System <small>(31 32 19)</small>		
<small>Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.</small>		
31 32 19 26-0001 Geoweb Cellular Confinement System <small>(31 32 19 26)</small>		
<small>Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.</small>		
31 32 19 26-0002 SF 4" Geoweb Cellular Confinement System (Presto Geosystems)	4.63	
<i>For >20,000, Deduct</i>	-0.08	
<i>For >2:1 Slope, Add</i>	0.98	
31 32 19 26-0003 SF 6" Geoweb Cellular Confinement System (Presto Geosystems)	5.38	
<i>For >20,000, Deduct</i>	-0.12	
<i>For >2:1 Slope, Add</i>	0.98	
31 32 19 26-0004 SF 8" Geoweb Cellular Confinement System (Presto Geosystems)	6.28	
<i>For >20,000, Deduct</i>	-0.17	
<i>For >2:1 Slope, Add</i>	0.98	
31 35 Slope Protection <small>(31 30)</small>		
31 35 19 Geosynthetic Slope Protection <small>(31 35)</small>		
31 35 19 19 Slope Protection with Mulch Control Netting <small>(31 35 19)</small>		
31 35 19 19-0001 Erosion Control Fabric <small>(31 35 19 19)</small>		
31 35 19 19-0002 SY 26.6 OZ/SY Erosion Control Fabric (Belton Industries Geocoir 900)	3.17	
31 36 Gabions <small>(31 30)</small>		
<small>Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, unloading and placing. See CSI section 01 74 19 00-0036 for hauling greater than 15 miles.</small>		
31 36 13 Gabion Boxes <small>(31 36)</small>		
31 36 13 00-0001 Stone Filled Gabion Slope Protection <small>(31 36 13)</small>		
<small>Note: Machine placed by SY of total top face area for depth indicated.</small>		
31 36 13 00-0002 SY 6" Deep Stone Filled Gabion Slope Protection	46.34	
31 36 13 00-0003 SY 9" Deep Stone Filled Gabion Slope Protection	53.91	
31 36 13 00-0004 SY 12" Deep Stone Filled Gabion Slope Protection	63.14	
31 36 13 00-0005 SY 15" Deep Stone Filled Gabion Slope Protection	75.34	
31 36 13 00-0006 SY 18" Deep Stone Filled Gabion Slope Protection	88.72	
31 36 13 00-0007 SY 24" Deep Stone Filled Gabion Slope Protection	120.83	
31 36 13 00-0008 SY 36" Deep Stone Filled Gabion Slope Protection	152.12	

31	31 Earthwork
	31 30 Earthwork Methods
	31 37 Riprap



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

31 37 Riprap (31 30)

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, and dumping. See CSI section 01 74 19 00-0036 for hauling greater than 15 miles.

31 37 00 00-0001 Random - Filter Stone (31 37)

31 37 00 00-0002	CY	10 To 50 LB Average Pieces Random, Dumped From Truck, Rip Rap	35.52
		<i>For Chinking Material, Add</i>	13.26
31 37 00 00-0003	CY	>50 To 100 LB Average Pieces Random, Dumped From Truck, Rip Rap	40.29
		<i>For Chinking Material, Add</i>	13.26
31 37 00 00-0004	CY	>100 To 200 LB Average Pieces Random, Dumped From Truck, Rip Rap	42.54
		<i>For Chinking Material, Add</i>	13.26
31 37 00 00-0005	CY	>200 To 300 LB Average Pieces Random, Dumped From Truck, Rip Rap	45.10
		<i>For Chinking Material, Add</i>	13.26
31 37 00 00-0006	CY	>300 To 600 LB Average Pieces Random, Dumped From Truck, Rip Rap	47.17
		<i>For Chinking Material, Add</i>	13.26
31 37 00 00-0007	CY	>600 LB Average Pieces Random, Dumped From Truck, Rip Rap	50.54
31 37 00 00-0008	CY	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	67.80
31 37 00 00-0009	TON	10 To 50 LB Average Pieces Random, Dumped From Truck, Rip Rap	24.05
31 37 00 00-0010	TON	>50 To 100 LB Average Pieces Random, Dumped From Truck, Rip Rap	27.09
31 37 00 00-0011	TON	>100 To 200 LB Average Pieces Random, Dumped From Truck, Rip Rap	28.51
31 37 00 00-0012	TON	>200 To 300 LB Average Pieces Random, Dumped From Truck, Rip Rap	30.14
31 37 00 00-0013	TON	>300 To 600 LB Average Pieces Random, Dumped From Truck, Rip Rap	31.45
31 37 00 00-0014	TON	>600 LB Average Pieces Random, Dumped From Truck, Rip Rap	33.62
31 37 00 00-0015	TON	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	46.91

31 40 Shoring And Underpinning (31)

31 41 Shoring (31 40)

31 41 13 Timber Shoring (31 41)

31 41 13 00-0001 Wood Sheet Piling (31 41 13)

31 41 13 00-0002 Pull And Salvage (31 41 13 00-0001)

Note: Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.

31 41 13 00-0003	SF	Wood Shoring, 8' Deep Excavation, Pull And Salvage	10.80
		<i>For Wood Sheeting Left In Place</i>	-1.16
31 41 13 00-0004	SF	Wood Shoring, 10' Deep Excavation, Pull And Salvage	11.68
		<i>For Wood Sheeting Left In Place</i>	-1.35
31 41 13 00-0005	SF	Wood Shoring, 12' Deep Excavation, Pull And Salvage	12.67
		<i>For Wood Sheeting Left In Place</i>	-1.54
31 41 13 00-0006	SF	Wood Shoring, 14' Deep Excavation, Pull And Salvage	13.73
		<i>For Wood Sheeting Left In Place</i>	-1.76
31 41 13 00-0007	SF	Wood Shoring, 16' Deep Excavation, Pull And Salvage	14.88
		<i>For Wood Sheeting Left In Place</i>	-2.00
31 41 13 00-0008	SF	Wood Shoring, 18' Deep Excavation, Pull And Salvage	16.14
		<i>For Wood Sheeting Left In Place</i>	-2.26
31 41 13 00-0009	SF	Wood Shoring, 20' Deep Excavation, Pull And Salvage	17.51
		<i>For Wood Sheeting Left In Place</i>	-2.55

31 41 16 Sheet Piling (31 41)

31 41 16 13 Steel Sheet Piling (31 41 16)

31 41 16 13-0001 Standard Carbon Grade Steel Sheeting - Pull And Salvage (31 41 16 13)

Note: Up to 3 months. 38.5 KSI steel per SF minimum. PSF indicated is for the weight of the material per square foot. Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.

31 41 16 13-0002	TON	Shoring For 15' Excavation, 22 PSF Steel Sheeting, Pull And Salvage	1,813.46
		<i>For Standard Sheeting Left In Place, Add</i>	981.07
		<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	1,395.47
		<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	103.60
		<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	115.11
		<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	356.84
		<i>For Each Additional Month >3 Months, Add</i>	57.56
31 41 16 13-0003	TON	Shoring For 20' Excavation, 27 PSF Steel Sheeting, Pull And Salvage	1,880.15
		<i>For Standard Sheeting Left In Place, Add</i>	947.73
		<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	1,362.13
		<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	103.60
		<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	115.11
		<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	356.84
		<i>For Each Additional Month >3 Months, Add</i>	57.56
31 41 16 13-0004	TON	Shoring For 25' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	2,190.21
		<i>For Standard Sheeting Left In Place, Add</i>	792.70
		<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	1,207.10
		<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	103.60
		<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	115.11
		<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	356.84
		<i>For Each Additional Month >3 Months, Add</i>	57.56



Earthwork	31	15
Shoring And Underpinning	31 40	
Shoring	31 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 41 16 13-0005 TON Shoring For 30' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	2,488.57	
For Standard Sheeting Left In Place, Add	643.52	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	1,057.92	
For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	103.60	
For High Strength Sheeting 55,000 PSI Grade, Add	115.11	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	356.84	
For Each Additional Month >3 Months, Add	57.56	
31 41 16 13-0006 TON Shoring For 35' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	2,664.09	
For Standard Sheeting Left In Place, Add	555.76	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	970.16	
For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	103.60	
For High Strength Sheeting 55,000 PSI Grade, Add	115.11	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	356.84	
For Each Additional Month >3 Months, Add	57.56	
31 41 16 13-0007 TON Shoring For 40' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	2,843.11	
For Standard Sheeting Left In Place, Add	466.25	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	880.65	
For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	103.60	
For High Strength Sheeting 55,000 PSI Grade, Add	115.11	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	356.84	
For Each Additional Month >3 Months, Add	57.56	
31 45 Vibroflotation And Densification (31 45)		
31 45 13 Vibroflotation (31 45)		
31 45 13 00-0001 LCY Soil Stabilization, Vibroflotation.....	11.58	
31 48 Underpinning (31 40)		
31 48 33 Micropile Underpinning (31 48)		
31 48 33 00-0001 Augered Micro-Pile And Grout System (31 48 33)		
31 48 33 00-0002 EA Micro-Pile Mobilization Per Job.....	1,951.17	
31 48 33 00-0003 EA Relocate And Set-up Micro-Pile Equipment At New Pile Cap Location	487.79	
31 48 33 00-0004 VLF Auger 8" Diameter Hole, Insert GEWI Micro-Pile And Grout Void	255.71	
Note: Includes GEWI piles, threadbar extensions, couplers, spacers, top nut and steel bearing plate.		
31 48 33 00-0005 VLF Auger 8" Diameter Hole, Insert GEWI Micro-Pile And Grout Void - Indoor.....	316.69	
Note: Includes GEWI piles, threadbar extensions, couplers, spacers, top nut and steel bearing plate.		
31 48 33 00-0006 EA Pile Load Test.....	2,438.97	
31 50 Excavation Support And Protection (31)		
31 52 Cofferdams (31 50)		
31 52 21 Portable Cofferdams (31 52)		
31 52 21 00-0001 Portable Cofferdams (31 52 21)		
Note: Excludes dewatering and pumps.		
31 52 21 00-0002 Portable Cofferdam Rental (31 52 21 00-0001)		
Note: Excludes delivery and installation.		
31 52 21 00-0003 LF 3' High x 7' Width, Portable Cofferdam, Rental Per Month	27.65	
Note: Minimum 40'		
31 52 21 00-0004 LF 4' High x 9' Width, Portable Cofferdam, Rental Per Month	35.39	
Note: Minimum 40'		
31 52 21 00-0005 LF 5' High x 11' Width, Portable Cofferdam, Rental Per Month	49.77	
Note: Minimum 40'		
31 52 21 00-0006 LF 6' High x 13' Width, Portable Cofferdam, Rental Per Month	64.14	
Note: Minimum 40'		
31 52 21 00-0007 LF 8' High x 17' Width, Portable Cofferdam, Rental Per Month	82.94	
Note: Minimum 40'		
31 52 21 00-0008 LF 10' High x 21' Width, Portable Cofferdam, Rental Per Month	165.88	
Note: Minimum 40'		
31 52 21 00-0009 LF 12' High x 25' Width, Portable Cofferdam, Rental Per Month	232.24	
Note: Minimum 40'		
31 52 21 00-0010 LF 16' High x 33' Width, Portable Cofferdam, Rental Per Month	328.45	
Note: Minimum 40'		
31 52 21 00-0011 Portable Cofferdam Delivery And Set-up (31 52 21 00-0001)		
Note: Excludes crane usage where required. See CSI section 01 22 23 00-0789 for crane lifting equipment.		
31 52 21 00-0012 LF Up To 5' High, Portable Cofferdam, Delivery And Set-up In Dynamic (Rivers Or Streams) Water	8.77	
31 52 21 00-0013 LF 6' To 8' High, Portable Cofferdam, Delivery And Set-up In Dynamic (Rivers Or Streams) Water	14.02	
31 52 21 00-0014 LF 10' To 12' High, Portable Cofferdam, Delivery And Set-up In Dynamic (Rivers Or Streams) Water	21.04	
31 52 21 00-0015 LF 16' High, Portable Cofferdam, Delivery And Set-up In Dynamic (Rivers Or Streams) Water	28.05	
31 52 21 00-0016 LF Up To 5' High, Portable Cofferdam, Delivery And Set-up In Static (Lakes Or Ponds) Water	5.26	
31 52 21 00-0017 LF 6' To 8' High, Portable Cofferdam, Delivery And Set-up In Static (Lakes Or Ponds) Water	8.77	
31 52 21 00-0018 LF 10' To 12' High, Portable Cofferdam, Delivery And Set-up In Static (Lakes Or Ponds) Water	14.02	
31 52 21 00-0019 LF 16' High, Portable Cofferdam, Delivery And Set-up In Static (Lakes Or Ponds) Water	19.29	

31	31 Earthwork
	31 50 Excavation Support And Protection
	31 52 Cofferdams



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 52 21 00-0020 Portable Cofferdam Repositioning <small>(31 52 21 00-0001)</small>		
31 52 21 00-0021 LF Up To 5' High, Portable Cofferdam, Repositioning	4.38	
31 52 21 00-0022 LF 6' To 8' High, Portable Cofferdam, Repositioning	7.01	
31 52 21 00-0023 LF 10' To 12' High, Portable Cofferdam, Repositioning	10.52	
31 52 21 00-0024 LF 16' High, Portable Cofferdam, Repositioning	14.02	
31 60 Special Foundations And Load-bearing Elements <small>(31)</small>		
31 62 Driven Piles <small>(31 60)</small>		
31 62 13 Concrete Piles <small>(31 62)</small>		
31 62 13 23 Prestressed Concrete Piles <small>(31 62 13)</small>		
31 62 13 23-0001 Square Prestressed Driven Concrete Piles <small>(31 62 13 23)</small>		
31 62 13 23-0002 VLF 10" Square Prestressed Driven Concrete Pile	24.85	
<i>For Piles Driven In Water, Add</i>	12.45	
31 62 13 23-0003 VLF 12" Square Prestressed Driven Concrete Pile	31.07	
<i>For Piles Driven In Water, Add</i>	14.02	
31 62 13 23-0004 VLF 14" Square Prestressed Driven Concrete Pile	37.53	
<i>For Piles Driven In Water, Add</i>	15.38	
31 62 13 23-0005 VLF 16" Square Prestressed Driven Concrete Pile	45.85	
<i>For Piles Driven In Water, Add</i>	17.05	
31 62 13 23-0006 VLF 18" Square Prestressed Driven Concrete Pile	55.51	
<i>For Piles Driven In Water, Add</i>	18.96	
31 62 13 23-0007 VLF 20" Square Prestressed Driven Concrete Pile	64.14	
<i>For Piles Driven In Water, Add</i>	20.95	
31 62 13 23-0008 VLF 24" Square Prestressed Driven Concrete Pile	81.61	
<i>For Piles Driven In Water, Add</i>	24.02	
31 62 13 23-0009 Octagonal Prestressed Driven Concrete Piles <small>(31 62 13 23)</small>		
31 62 13 23-0010 VLF 12" Octagonal Prestressed Driven Concrete Pile	40.93	
<i>For Piles Driven In Water, Add</i>	14.35	
31 62 13 23-0011 VLF 14" Octagonal Prestressed Driven Concrete Pile	51.50	
<i>For Piles Driven In Water, Add</i>	16.06	
31 62 13 23-0012 VLF 16" Octagonal Prestressed Driven Concrete Pile	62.14	
<i>For Piles Driven In Water, Add</i>	17.84	
31 62 13 23-0013 VLF 18" Octagonal Prestressed Driven Concrete Pile	75.38	
<i>For Piles Driven In Water, Add</i>	20.00	
31 62 13 23-0014 VLF 20" Octagonal Prestressed Driven Concrete Pile	80.11	
<i>For Piles Driven In Water, Add</i>	21.42	
31 62 13 23-0015 VLF 24" Octagonal Prestressed Driven Concrete Pile	85.06	
<i>For Piles Driven In Water, Add</i>	23.04	
31 62 13 23-0016 Straight Cylinder Prestressed Driven Concrete Piles <small>(31 62 13 23)</small>		
31 62 13 23-0017 VLF 12" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile.....	30.71	
<i>For Piles Driven In Water, Add</i>	12.76	
31 62 13 23-0018 VLF 14" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile.....	35.89	
<i>For Piles Driven In Water, Add</i>	13.85	
31 62 13 23-0019 VLF 16" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile.....	42.02	
<i>For Piles Driven In Water, Add</i>	15.11	
31 62 13 23-0020 VLF 18" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile.....	47.25	
<i>For Piles Driven In Water, Add</i>	16.35	
31 62 13 23-0021 VLF 20" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile.....	58.52	
<i>For Piles Driven In Water, Add</i>	18.32	
31 62 13 23-0022 VLF 24" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile.....	71.51	
<i>For Piles Driven In Water, Add</i>	20.56	
31 62 16 Steel Piles <small>(31 62)</small>		
31 62 16 16 Steel H Piles <small>(31 62 16)</small>		
31 62 16 16-0001 Rolled, Driven Steel H Piles <small>(31 62 16 16)</small>		
31 62 16 16-0002 VLF 8" x 8" x 36 LB/FT, Rolled, Driven Steel H Pile.....	45.47	
<i>For Piles Driven In Water, Add</i>	15.46	
31 62 16 16-0003 VLF 10" x 10" x 42 LB/FT, Rolled, Driven Steel H Pile.....	51.62	
<i>For Piles Driven In Water, Add</i>	16.60	
31 62 16 16-0004 VLF 10" x 10" x 57 LB/FT, Rolled, Driven Steel H Pile.....	65.52	
<i>For Piles Driven In Water, Add</i>	17.99	
31 62 16 16-0005 VLF 12" x 12" x 53 LB/FT, Rolled, Driven Steel H Pile.....	62.19	
<i>For Piles Driven In Water, Add</i>	18.00	
31 62 16 16-0006 VLF 12" x 12" x 63 LB/FT, Rolled, Driven Steel H Pile.....	71.46	
<i>For Piles Driven In Water, Add</i>	18.93	
31 62 16 16-0007 VLF 12" x 12" x 74 LB/FT, Rolled, Driven Steel H Pile.....	82.75	
<i>For Piles Driven In Water, Add</i>	21.05	
31 62 16 16-0008 VLF 12" x 12" x 84 LB/FT, Rolled, Driven Steel H Pile.....	92.01	
<i>For Piles Driven In Water, Add</i>	21.97	
31 62 16 16-0009 VLF 14" x 14" x 73 LB/FT, Rolled, Driven Steel H Pile.....	82.16	
<i>For Piles Driven In Water, Add</i>	21.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 16 16-0010 VLF 14" x 14" x 89 LB/FT, Rolled, Driven Steel H Pile..... <i>For Piles Driven In Water, Add</i>	97.91 22.87	
31 62 16 16-0011 VLF 14" x 14" x 102 LB/FT, Rolled, Driven Steel H Pile..... <i>For Piles Driven In Water, Add</i>	110.25 25.20	
31 62 16 16-0012 VLF 14" x 14" x 117 LB/FT, Rolled, Driven Steel H Pile..... <i>For Piles Driven In Water, Add</i>	125.07 26.68	
31 62 16 16-0013 Splices, Caps, And Points For H-Piles (31 62 16 16)		
31 62 16 16-0014 Rolled Steel H Pile Splices (31 62 16 16-0013)		
31 62 16 16-0015 EA 8" Rolled Steel H Pile Splice.....	326.84	
31 62 16 16-0016 EA 10" Rolled Steel H Pile Splice.....	392.64	
31 62 16 16-0017 EA 12" Rolled Steel H Pile Splice.....	517.05	
31 62 16 16-0018 EA 14" Rolled Steel H Pile Splice.....	549.95	
31 62 16 16-0019 Rolled Steel H Driving Caps (31 62 16 16-0013)		
31 62 16 16-0020 EA 8" Rolled Steel H Driving Cap.....	5,361.88	
31 62 16 16-0021 EA 10" Rolled Steel H Driving Cap.....	5,361.88	
31 62 16 16-0022 EA 12" Rolled Steel H Driving Cap.....	5,409.91	
31 62 16 16-0023 EA 14" Rolled Steel H Driving Cap.....	8,206.56	
31 62 16 16-0024 Rolled Steel H Standard Pile Points (31 62 16 16-0013)		
31 62 16 16-0025 EA 8" Rolled Steel H Standard Pile Point.....	359.74	
31 62 16 16-0026 EA 10" Rolled Steel H Standard Pile Point.....	392.64	
31 62 16 16-0027 EA 12" Rolled Steel H Standard Pile Point.....	517.05	
31 62 16 16-0028 EA 14" Rolled Steel H Standard Pile Point.....	615.76	
31 62 16 16-0029 EA 10" Rolled Steel H Standard Pile Point.....	517.05	
31 62 16 16-0030 EA 14" Rolled Steel H Standard Pile Point.....	679.49	
31 62 16 19 Unfilled Tubular Steel Piles (31 62 16)		
31 62 16 19-0001 Unfilled Tubular Driven Steel Piles (31 62 16 19)		
31 62 16 19-0002 VLF 8" Diameter, Unfilled Tubular Driven Steel Pile <i>For Piles Driven In Water, Add</i>	36.35 17.59	
31 62 16 19-0003 VLF 10" Diameter, Unfilled Tubular Driven Steel Pile <i>For Piles Driven In Water, Add</i>	41.57 18.12	
31 62 16 19-0004 VLF 12" Diameter, Unfilled Tubular Driven Steel Pile <i>For Piles Driven In Water, Add</i>	48.51 19.54	
31 62 16 19-0005 VLF 14" Diameter, Unfilled Tubular Driven Steel Pile <i>For Piles Driven In Water, Add</i>	52.54 21.48	
31 62 16 19-0006 VLF 16" Diameter, Unfilled Tubular Driven Steel Pile <i>For Piles Driven In Water, Add</i>	58.47 23.97	
31 62 16 19-0007 VLF 18" Diameter, Unfilled Tubular Driven Steel Pile <i>For Piles Driven In Water, Add</i>	71.63 26.81	
31 62 16 19-0008 Splices And Points For Pipe Piles (31 62 16 19)		
31 62 16 19-0009 Steel Pipe Pile Splices (31 62 16 19-0008)		
31 62 16 19-0010 EA 8" Diameter, Steel Pipe Pile Splice.....	230.09	
31 62 16 19-0011 EA 10" Diameter, Steel Pipe Pile Splice.....	246.64	
31 62 16 19-0012 EA 12" Diameter, Steel Pipe Pile Splice.....	321.33	
31 62 16 19-0013 EA 14" Diameter, Steel Pipe Pile Splice.....	337.66	
31 62 16 19-0014 EA 16" Diameter, Steel Pipe Pile Splice.....	407.16	
31 62 16 19-0015 EA 18" Diameter, Steel Pipe Pile Splice.....	490.65	
31 62 16 19-0016 Steel Pipe Standard Pile Points (31 62 16 19-0008)		
31 62 16 19-0017 EA 8" Diameter, Steel Pipe Standard Pile Point.....	229.48	
31 62 16 19-0018 EA 10" Diameter, Steel Pipe Standard Pile Point.....	242.73	
31 62 16 19-0019 EA 12" Diameter, Steel Pipe Standard Pile Point.....	274.76	
31 62 16 19-0020 EA 14" Diameter, Steel Pipe Standard Pile Point.....	311.21	
31 62 16 19-0021 EA 16" Diameter, Steel Pipe Standard Pile Point.....	344.35	
31 62 16 19-0022 EA 18" Diameter, Steel Pipe Standard Pile Point.....	397.38	
31 62 16 19-0023 Steel Pipe Heavy Duty Pile Points (31 62 16 19-0008)		
31 62 16 19-0024 EA 10" Diameter, Steel Pipe Heavy Duty Pile Point.....	336.15	
31 62 16 19-0025 EA 12" Diameter, Steel Pipe Heavy Duty Pile Point.....	352.72	
31 62 16 19-0026 EA 14" Diameter, Steel Pipe Heavy Duty Pile Point.....	395.40	
31 62 16 19-0027 EA 16" Diameter, Steel Pipe Heavy Duty Pile Point.....	461.67	
31 62 16 19-0028 EA 18" Diameter, Steel Pipe Heavy Duty Pile Point.....	520.78	
31 62 19 Timber Piles (31 62)		
31 62 19 00-0001 Friction Or End Bearing, Driven Treated Wood Piles (31 62 19)		
Note: 12 LB Penta-treated/CF.		

31 Earthwork**31 60 Special Foundations And Load-bearing Elements****31 62 Driven Piles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62	19 00-0002	LF	Up To 30', 12" Butt x 8" Tip, Friction Or End Bearing, Driven Treated Wood Pile.....	27.09	
			<i>For Piles Driven In Water, Add</i>	12.40	
			<i>For Untreated Pile, Deduct</i>	-6.04	
			<i>For Each Pile Tip Point, Add</i>	12.50	
			<i>For Each Pile Butt, Driving Cap, Add</i>	20.10	
			<i>For Each Splice For Pile >50', Add</i>	139.40	
31 62	19 00-0003	LF	>30' To 39', 12" Butt x 8" Tip, Friction Or End Bearing, Driven Treated Wood Pile	28.61	
			<i>For Piles Driven In Water, Add</i>	13.77	
			<i>For Untreated Pile, Deduct</i>	-6.10	
			<i>For Each Pile Tip Point, Add</i>	12.50	
			<i>For Each Pile Butt, Driving Cap, Add</i>	20.10	
			<i>For Each Splice For Pile >50', Add</i>	139.40	
31 62	19 00-0004	LF	39' To 49', 12" Butt x 7" Tip, Friction Or End Bearing, Driven Treated Wood Pile.....	30.17	
			<i>For Piles Driven In Water, Add</i>	14.65	
			<i>For Untreated Pile, Deduct</i>	-6.38	
			<i>For Each Pile Tip Point, Add</i>	12.50	
			<i>For Each Pile Butt, Driving Cap, Add</i>	20.10	
			<i>For Each Splice For Pile >50', Add</i>	139.40	
31 62	19 00-0005	LF	>49' To 59', 13" Butt x 7" Tip, Friction Or End Bearing, Driven Treated Wood Pile	32.55	
			<i>For Piles Driven In Water, Add</i>	16.33	
			<i>For Untreated Pile, Deduct</i>	-6.67	
			<i>For Each Pile Tip Point, Add</i>	12.50	
			<i>For Each Pile Butt, Driving Cap, Add</i>	20.10	
			<i>For Each Splice For Pile >50', Add</i>	139.40	
31 62	19 00-0006	LF	>59' To 69', 13" Butt x 6" Tip, Friction Or End Bearing, Driven Treated Wood Pile	40.26	
			<i>For Piles Driven In Water, Add</i>	18.56	
			<i>For Untreated Pile, Deduct</i>	-8.92	
			<i>For Each Pile Tip Point, Add</i>	12.50	
			<i>For Each Pile Butt, Driving Cap, Add</i>	20.10	
			<i>For Each Splice For Pile >50', Add</i>	139.40	
31 62	19 00-0007	LF	>69' To 79', 13" Butt x 6" Tip, Friction Or End Bearing, Driven Treated Wood Pile	50.22	
			<i>For Piles Driven In Water, Add</i>	22.46	
			<i>For Untreated Pile, Deduct</i>	-11.41	
			<i>For Each Pile Tip Point, Add</i>	12.50	
			<i>For Each Pile Butt, Driving Cap, Add</i>	20.10	
			<i>For Each Splice For Pile >50', Add</i>	139.40	

31 62 23 Composite Piles ^(31 62)**31 62 23 13 Concrete-Filled Steel Piles ^(31 62 23)****31 62 23 13-0001 Concrete-Filled Driven Steel Pipe Piles ^(31 62 23 13)**

Note: Includes 4,000 PSI concrete. Excludes reinforcing.

31 62 23 13-0002	VLF	8" Diameter x 29 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	39.57
		<i>For Piles Driven In Water, Add</i>	19.12
31 62 23 13-0003	VLF	10" Diameter x 34 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	46.26
		<i>For Piles Driven In Water, Add</i>	20.13
31 62 23 13-0004	VLF	12" Diameter x 42 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	55.13
		<i>For Piles Driven In Water, Add</i>	22.33
31 62 23 13-0005	VLF	14" Diameter x 46 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	61.41
		<i>For Piles Driven In Water, Add</i>	25.79
31 62 23 13-0006	VLF	16" Diameter x 52 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	68.17
		<i>For Piles Driven In Water, Add</i>	27.64
31 62 23 13-0007	VLF	18" Diameter x 59 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	83.36
		<i>For Piles Driven In Water, Add</i>	30.85

31 62 23 13-0008 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Piles ^(31 62 23 13)

Note: End bearing, with fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.

31 62 23 13-0009	VLF	12" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile.....	48.81
		<i>For Piles Driven In Water, Add</i>	16.51
31 62 23 13-0010	VLF	14" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile.....	58.92
		<i>For Piles Driven In Water, Add</i>	18.36
31 62 23 13-0011	VLF	16" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile.....	66.55
		<i>For Piles Driven In Water, Add</i>	20.07
31 62 23 13-0012	VLF	18" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile.....	72.39
		<i>For Piles Driven In Water, Add</i>	21.77

31 62 23 13-0013 Tapered Friction Concrete-Filled Driven Steel Piles ^(31 62 23 13)

Note: With fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.

31 62 23 13-0014	VLF	12" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile.....	47.92
		<i>For Piles Driven In Water, Add</i>	16.42
31 62 23 13-0015	VLF	14" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile.....	49.29
		<i>For Piles Driven In Water, Add</i>	17.39
31 62 23 13-0016	VLF	16" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile.....	59.80
		<i>For Piles Driven In Water, Add</i>	19.39
31 62 23 13-0017	VLF	18" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile.....	68.82
		<i>For Piles Driven In Water, Add</i>	21.42

31 62 23 13-0018 Thin Wall Shell Straight Sided Driven Steel Piles ^(31 62 23 13)



Earthwork	31
Special Foundations And Load-bearing Elements	31 60
Driven Piles	31 62

13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 23 13-0019 VLF 8" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile..... <i>For Piles Driven In Water, Add</i> <i>For Thick Wall Shell, Add</i>	29.34 12.74 0.05	
31 62 23 13-0020 VLF 10" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile..... <i>For Piles Driven In Water, Add</i> <i>For Thick Wall Shell, Add</i>	32.41 14.15 0.05	
31 62 23 13-0021 VLF 12" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile..... <i>For Piles Driven In Water, Add</i> <i>For Thick Wall Shell, Add</i>	35.44 15.53 0.06	
31 62 23 13-0022 VLF 14" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile..... <i>For Piles Driven In Water, Add</i> <i>For Thick Wall Shell, Add</i>	38.50 16.93 0.06	
31 62 23 13-0023 VLF 16" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile..... <i>For Piles Driven In Water, Add</i> <i>For Thick Wall Shell, Add</i>	41.57 18.33 0.06	

31 63 Bored Piles (31 60)

31 63 36 Drilled Steel Piles (31 63)

31 63 36 00-0001 Drill Hole <small>(31 63 36)</small> Note: Excludes removal of excess material.		
31 63 36 00-0002 Drilling Mobilization <small>(31 63 36 00-0001)</small>		
31 63 36 00-0003 EA >12" To 24" Diameter Hole, Drilling Mobilization	731.69	
31 63 36 00-0004 EA >24" Diameter Hole, Drilling Mobilization.....	975.58	

31 63 36 00-0005 Drill Hole In Soil (31 63 36 00-0001)

31 63 36 00-0006 LF 18" Diameter, Up To 24' Depth, Drilled/Augered Hole	42.24	
31 63 36 00-0007 LF 20" Diameter, Up To 24' Depth, Drilled/Augered Hole	49.13	
31 63 36 00-0008 LF 22" Diameter, Up To 24' Depth, Drilled/Augered Hole	57.72	
31 63 36 00-0009 LF 24" Diameter, Up To 24' Depth, Drilled/Augered Hole	68.03	
31 63 36 00-0010 LF 26" Diameter, Up To 24' Depth, Drilled/Augered Hole	73.54	
31 63 36 00-0011 LF 28" Diameter, Up To 24' Depth, Drilled/Augered Hole	80.91	
31 63 36 00-0012 LF 30" Diameter, Up To 24' Depth, Drilled/Augered Hole	88.62	

31 63 36 00-0013 Steel H Piles (31 63 36)

31 63 36 00-0014 Placed In Drilled Hole, Rolled Steel H-Section Piles (31 63 36 00-0013)

Note: Includes guides, bracing and alignment.

31 63 36 00-0015 VLF 8" x 8" x 36 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile..... <i>For >2,400 To 3,600, Deduct</i> <i>For >3,600 To 4,800, Deduct</i> <i>For >4,800 To 6,000, Deduct</i> <i>For >6,000, Deduct</i>	43.70 -1.35 -2.70 -4.89 -7.07	
31 63 36 00-0016 VLF 10" x 10" x 42 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile..... <i>For >2,400 To 3,600, Deduct</i> <i>For >3,600 To 4,800, Deduct</i> <i>For >4,800 To 6,000, Deduct</i> <i>For >6,000, Deduct</i>	49.78 -1.52 -3.03 -5.52 -8.01	
31 63 36 00-0017 VLF 10" x 10" x 57 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile..... <i>For >2,400 To 3,600, Deduct</i> <i>For >3,600 To 4,800, Deduct</i> <i>For >4,800 To 6,000, Deduct</i> <i>For >6,000, Deduct</i>	63.68 -1.86 -3.73 -6.91 -10.10	
31 63 36 00-0018 VLF 12" x 12" x 53 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile..... <i>For >2,400 To 3,600, Deduct</i> <i>For >3,600 To 4,800, Deduct</i> <i>For >4,800 To 6,000, Deduct</i> <i>For >6,000, Deduct</i>	60.29 -1.79 -3.57 -6.59 -9.60	
31 63 36 00-0019 VLF 12" x 12" x 63 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile..... <i>For >2,400 To 3,600, Deduct</i> <i>For >3,600 To 4,800, Deduct</i> <i>For >4,800 To 6,000, Deduct</i> <i>For >6,000, Deduct</i>	69.56 -2.02 -4.04 -7.52 -10.99	
31 63 36 00-0020 VLF 12" x 12" x 74 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile..... <i>For >2,400 To 3,600, Deduct</i> <i>For >3,600 To 4,800, Deduct</i> <i>For >4,800 To 6,000, Deduct</i> <i>For >6,000, Deduct</i>	80.69 -2.32 -4.64 -8.68 -12.71	
31 63 36 00-0021 VLF 12" x 12" x 84 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile..... <i>For >2,400 To 3,600, Deduct</i> <i>For >3,600 To 4,800, Deduct</i> <i>For >4,800 To 6,000, Deduct</i> <i>For >6,000, Deduct</i>	89.95 -2.55 -5.10 -9.60 -14.10	
31 63 36 00-0022 VLF 14" x 14" x 73 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile..... <i>For >2,400 To 3,600, Deduct</i> <i>For >3,600 To 4,800, Deduct</i> <i>For >4,800 To 6,000, Deduct</i> <i>For >6,000, Deduct</i>	80.06 -2.31 -4.62 -8.63 -12.63	

31 Earthwork**31 60 Special Foundations And Load-bearing Elements****31 63 Bored Piles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	31 63 36 00-0023	VLF	14" x 14" x 89 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	95.81	
			<i>For >2,400 To 3,600, Deduct</i>	-2.71	
			<i>For >3,600 To 4,800, Deduct</i>	-5.41	
			<i>For >4,800 To 6,000, Deduct</i>	-10.20	
			<i>For >6,000, Deduct</i>	-14.99	
	31 63 36 00-0024	VLF	14" x 14" x 102 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	107.96	
			<i>For >2,400 To 3,600, Deduct</i>	-3.04	
			<i>For >3,600 To 4,800, Deduct</i>	-6.07	
			<i>For >4,800 To 6,000, Deduct</i>	-11.47	
			<i>For >6,000, Deduct</i>	-16.87	
	31 63 36 00-0025	VLF	14" x 14" x 117 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	122.78	
			<i>For >2,400 To 3,600, Deduct</i>	-3.41	
			<i>For >3,600 To 4,800, Deduct</i>	-6.81	
			<i>For >4,800 To 6,000, Deduct</i>	-12.95	
			<i>For >6,000, Deduct</i>	-19.09	
	31 63 36 00-0026		Welded Steel Stud Pins <small>(31 63 36 00-0013)</small>		
			Note: Includes welding to steel piles.		
	31 63 36 00-0027	EA	5/8" Diameter x 2-1/2" Long, Welded Steel Stud Pins.....	11.04	
			<i>For >50 To 150, Deduct</i>	-0.50	
			<i>For >150 To 250, Deduct</i>	-1.02	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-2.07	
	31 63 36 00-0028	EA	5/8" Diameter x 5" Long, Welded Steel Stud Pins.....	12.14	
			<i>For >50 To 150, Deduct</i>	-0.50	
			<i>For >150 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-2.16	
	31 63 36 00-0029	EA	5/8" Diameter x 7" Long, Welded Steel Stud Pins.....	13.20	
			<i>For >50 To 150, Deduct</i>	-0.50	
			<i>For >150 To 250, Deduct</i>	-1.08	
			<i>For >250 To 500, Deduct</i>	-1.66	
			<i>For >500, Deduct</i>	-2.24	
	31 63 36 00-0030	EA	3/4" Diameter x 2-1/2" Long, Welded Steel Stud Pins.....	12.20	
			<i>For >50 To 150, Deduct</i>	-0.52	
			<i>For >150 To 250, Deduct</i>	-1.09	
			<i>For >250 To 500, Deduct</i>	-1.66	
			<i>For >500, Deduct</i>	-2.22	
	31 63 36 00-0031	EA	3/4" Diameter x 5" Long, Welded Steel Stud Pins.....	13.86	
			<i>For >50 To 150, Deduct</i>	-0.52	
			<i>For >150 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.35	
	31 63 36 00-0032	EA	3/4" Diameter x 7" Long, Welded Steel Stud Pins.....	15.02	
			<i>For >50 To 150, Deduct</i>	-0.52	
			<i>For >150 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.80	
			<i>For >500, Deduct</i>	-2.44	
	31 63 36 00-0033	EA	7/8" Diameter x 2-1/2" Long, Welded Steel Stud Pins.....	13.61	
			<i>For >50 To 150, Deduct</i>	-0.55	
			<i>For >150 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.38	
	31 63 36 00-0034	EA	7/8" Diameter x 5" Long, Welded Steel Stud Pins.....	16.32	
			<i>For >50 To 150, Deduct</i>	-0.55	
			<i>For >150 To 250, Deduct</i>	-1.23	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.59	
	31 63 36 00-0035	EA	7/8" Diameter x 7" Long, Welded Steel Stud Pins.....	17.65	
			<i>For >50 To 150, Deduct</i>	-0.55	
			<i>For >150 To 250, Deduct</i>	-1.26	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.69	
	31 63 36 00-0036		Concrete Fill <small>(31 63 36)</small>		
			See CSI section 03 37 16 00-0001 for pumping equipment.		
	31 63 36 00-0037	VLF	18" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	37.31	
	31 63 36 00-0038	VLF	20" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	41.45	
	31 63 36 00-0039	VLF	22" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	45.59	
	31 63 36 00-0040	VLF	24" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	49.74	
	31 63 36 00-0041	VLF	26" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	53.87	
	31 63 36 00-0042	VLF	28" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	58.03	
	31 63 36 00-0043	VLF	30" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	67.69	

31 64 Caissons (31 60)**31 64 13 Box Caissons** (31 64)

31 64 13 00-0001 Caisson In Stable Ground No Casing Or Ground Water (31 64 13)
 Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.

31 64 13 00-0002 Caisson In Stable Ground (31 64 13 00-0001)
 Note: Includes 3000 PSI concrete and reinforcing.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0003 VLF 18" Diameter Caisson, No Casing Stable Ground, No Ground Water 50.98 Note: 0.066 CY Concrete per VLF, 9 lbs rebar per VLF.		
<i>For >50' To 100' Deep, Add</i>	5.29	
<i>For >100' To 150' Deep, Add</i>	12.75	
<i>For >150' To 200' Deep, Add</i>	17.44	
<i>For Right Angle Drilling, Add</i>	12.48	
31 64 13 00-0004 VLF 24" Diameter Caisson, No Casing Stable Ground, No Ground Water 66.11 Note: 0.116 CY Concrete per VLF, 14 lbs rebar per VLF.		
<i>For >50' To 100' Deep, Add</i>	7.46	
<i>For >100' To 150' Deep, Add</i>	16.53	
<i>For >150' To 200' Deep, Add</i>	23.38	
<i>For Right Angle Drilling, Add</i>	14.28	
31 64 13 00-0005 VLF 30" Diameter Caisson, No Casing Stable Ground, No Ground Water 95.60 Note: 0.182 CY Concrete per VLF, 23 lbs rebar per VLF.		
<i>For >50' To 100' Deep, Add</i>	11.24	
<i>For >100' To 150' Deep, Add</i>	23.90	
<i>For >150' To 200' Deep, Add</i>	34.36	
<i>For Right Angle Drilling, Add</i>	19.26	
31 64 13 00-0006 VLF 36" Diameter Caisson, No Casing Stable Ground, No Ground Water 128.24 Note: 0.262 CY Concrete per VLF, 33 lbs rebar per VLF.		
<i>For >50' To 100' Deep, Add</i>	15.51	
<i>For >100' To 150' Deep, Add</i>	32.06	
<i>For >150' To 200' Deep, Add</i>	46.64	
<i>For Right Angle Drilling, Add</i>	24.48	
31 64 13 00-0007 VLF 42" Diameter Caisson, No Casing Stable Ground, No Ground Water 167.82 Note: 0.356 CY Concrete per VLF, 48 lbs rebar per VLF.		
<i>For >50' To 100' Deep, Add</i>	20.95	
<i>For >100' To 150' Deep, Add</i>	41.96	
<i>For >150' To 200' Deep, Add</i>	61.86	
<i>For Right Angle Drilling, Add</i>	29.96	
31 64 13 00-0008 VLF 48" Diameter Caisson No Casing Stable Ground, No Ground Water 202.01 Note: 0.465 CY Concrete per VLF, 57 lbs rebar per VLF.		
<i>For >50' To 100' Deep, Add</i>	25.58	
<i>For >100' To 150' Deep, Add</i>	50.50	
<i>For >150' To 200' Deep, Add</i>	74.90	
<i>For Right Angle Drilling, Add</i>	34.97	
31 64 13 00-0009 VLF 54" Diameter Caisson No Casing Stable Ground, No Ground Water 248.25 Note: 0.589 CY Concrete per VLF, 76 lbs rebar per VLF.		
<i>For >50' To 100' Deep, Add</i>	32.25	
<i>For >100' To 150' Deep, Add</i>	62.06	
<i>For >150' To 200' Deep, Add</i>	93.07	
<i>For Right Angle Drilling, Add</i>	40.41	
31 64 13 00-0010 VLF 60" Diameter Caisson No Casing Stable Ground, No Ground Water 294.27 Note: 0.727 CY Concrete per VLF, 93 lbs rebar per VLF.		
<i>For >50' To 100' Deep, Add</i>	38.89	
<i>For >100' To 150' Deep, Add</i>	73.57	
<i>For >150' To 200' Deep, Add</i>	111.15	
<i>For Right Angle Drilling, Add</i>	45.83	
31 64 13 00-0011 VLF 66" Diameter Caisson No Casing Stable Ground, No Ground Water 346.37 Note: 0.88 CY Concrete per VLF, 113 lbs rebar per VLF.		
<i>For >50' To 100' Deep, Add</i>	46.38	
<i>For >100' To 150' Deep, Add</i>	86.59	
<i>For >150' To 200' Deep, Add</i>	131.58	
<i>For Right Angle Drilling, Add</i>	52.06	
31 64 13 00-0012 VLF 72" Diameter Caisson No Casing Stable Ground, No Ground Water 407.35 Note: 1.047 CY Concrete per VLF, 134 lbs rebar per VLF.		
<i>For >50' To 100' Deep, Add</i>	55.20	
<i>For >100' To 150' Deep, Add</i>	101.84	
<i>For >150' To 200' Deep, Add</i>	155.56	
<i>For Right Angle Drilling, Add</i>	59.19	
31 64 13 00-0013 VLF 78" Diameter Caisson No Casing Stable Ground, No Ground Water 467.92 Note: 1.229 CY Concrete per VLF, 157 lbs rebar per VLF.		
<i>For >50' To 100' Deep, Add</i>	64.07	
<i>For >100' To 150' Deep, Add</i>	116.98	
<i>For >150' To 200' Deep, Add</i>	179.52	
<i>For Right Angle Drilling, Add</i>	65.91	
31 64 13 00-0014 VLF 84" Diameter Caisson No Casing Stable Ground, No Ground Water 532.73 Note: 1.425 CY Concrete per VLF, 183 lbs rebar per VLF.		
<i>For >50' To 100' Deep, Add</i>	73.61	
<i>For >100' To 150' Deep, Add</i>	133.18	
<i>For >150' To 200' Deep, Add</i>	205.22	
<i>For Right Angle Drilling, Add</i>	72.96	
31 64 13 00-0015 For Bell Excavation And Concrete, Add <small>(31 64 13 00-0001)</small>		
31 64 13 00-0016 EA Bell Excavation And Concrete, 4' Bell Diameter Stable Ground, 24" Shaft, 0.44 CY 349.68		
<i>For >50' To 100' Deep, Add</i>	28.83	
<i>For >100' To 150' Deep, Add</i>	87.42	
<i>For >150' To 200' Deep, Add</i>	110.35	
31 64 13 00-0017 EA Bell Excavation And Concrete, 6' Bell Diameter Stable Ground, 30" Shaft, 1.57 CY 1,229.50		
<i>For >50' To 100' Deep, Add</i>	101.54	
<i>For >100' To 150' Deep, Add</i>	307.38	
<i>For >150' To 200' Deep, Add</i>	388.20	

31 Earthwork**31 60 Special Foundations And Load-bearing Elements****31 64 Caissons**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

31 64 13 00-0018	EA	Bell Excavation And Concrete, 7' Bell Diameter Stable Ground, 36" Shaft, 2.33 CY	1,862.98	
		<i>For >50' To 100' Deep, Add</i>	156.45	
		<i>For >100' To 150' Deep, Add</i>	465.75	
		<i>For >150' To 200' Deep, Add</i>	591.44	
31 64 13 00-0019	EA	Bell Excavation And Concrete, 8' Bell Diameter Stable Ground, 42" Shaft, 3.30 CY	2,586.58	
		<i>For >50' To 100' Deep, Add</i>	217.66	
		<i>For >100' To 150' Deep, Add</i>	646.65	
		<i>For >150' To 200' Deep, Add</i>	821.72	
31 64 13 00-0020	EA	Bell Excavation And Concrete, 9' Bell Diameter Stable Ground, 48" Shaft, 4.48 CY	3,502.88	
		<i>For >50' To 100' Deep, Add</i>	289.22	
		<i>For >100' To 150' Deep, Add</i>	875.72	
		<i>For >150' To 200' Deep, Add</i>	1,105.88	
31 64 13 00-0021	EA	Bell Excavation And Concrete, 10' Bell Diameter Stable Ground, 60" Shaft, 5.24 CY	4,118.66	
		<i>For >50' To 100' Deep, Add</i>	339.90	
		<i>For >100' To 150' Deep, Add</i>	1,029.67	
		<i>For >150' To 200' Deep, Add</i>	1,300.09	
31 64 13 00-0022	EA	Bell Excavation And Concrete, 12' Bell Diameter Stable Ground, 72" Shaft, 8.74 CY	6,983.58	
		<i>For >50' To 100' Deep, Add</i>	575.11	
		<i>For >100' To 150' Deep, Add</i>	1,745.90	
		<i>For >150' To 200' Deep, Add</i>	2,202.89	
31 64 13 00-0023	EA	Bell Excavation And Concrete, 14' Bell Diameter Stable Ground, 84" Shaft, 13.6 CY	10,108.99	
		<i>For >50' To 100' Deep, Add</i>	841.45	
		<i>For >100' To 150' Deep, Add</i>	2,527.25	
		<i>For >150' To 200' Deep, Add</i>	3,199.97	

31 64 13 00-0024 Caisson In Wet Ground, Casing Pulled ^(31 64 13)
 Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.

31 64 13 00-0025 Caisson In Wet Ground ^(31 64 13 00-0024)
 Note: Includes 3000 PSI concrete and reinforcing.

31 64 13 00-0026	VLF	18" Diameter Caisson Wet Ground, Casing Pulled	55.75	
		Note: 0.066 CY Concrete per VLF, 9 lbs rebar per VLF.		
		<i>For >50' To 100' Deep, Add</i>	5.61	
		<i>For >100' To 150' Deep, Add</i>	13.94	
		<i>For >150' To 200' Deep, Add</i>	18.86	
		<i>For Right Angle Drilling, Add</i>	14.17	
31 64 13 00-0027	VLF	24" Diameter Caisson Wet Ground, Casing Pulled	92.72	
		Note: 0.116 CY Concrete per VLF, 14 lbs rebar per VLF.		
		<i>For >50' To 100' Deep, Add</i>	9.32	
		<i>For >100' To 150' Deep, Add</i>	23.18	
		<i>For >150' To 200' Deep, Add</i>	31.36	
		<i>For Right Angle Drilling, Add</i>	23.60	
31 64 13 00-0028	VLF	30" Diameter Caisson Wet Ground, Casing Pulled	125.55	
		Note: 0.182 CY Concrete per VLF, 23 lbs rebar per VLF.		
		<i>For >50' To 100' Deep, Add</i>	13.33	
		<i>For >100' To 150' Deep, Add</i>	31.39	
		<i>For >150' To 200' Deep, Add</i>	43.34	
		<i>For Right Angle Drilling, Add</i>	29.75	
31 64 13 00-0029	VLF	36" Diameter Caisson Wet Ground, Casing Pulled	173.31	
		Note: 0.262 CY Concrete per VLF, 33 lbs rebar per VLF.		
		<i>For >50' To 100' Deep, Add</i>	18.66	
		<i>For >100' To 150' Deep, Add</i>	43.33	
		<i>For >150' To 200' Deep, Add</i>	60.16	
		<i>For Right Angle Drilling, Add</i>	40.25	
31 64 13 00-0030	VLF	42" Diameter Caisson Wet Ground, Casing Pulled	223.45	
		Note: 0.356 CY Concrete per VLF, 48 lbs rebar per VLF.		
		<i>For >50' To 100' Deep, Add</i>	24.85	
		<i>For >100' To 150' Deep, Add</i>	55.86	
		<i>For >150' To 200' Deep, Add</i>	78.54	
		<i>For Right Angle Drilling, Add</i>	49.44	
31 64 13 00-0031	VLF	48" Diameter Caisson Wet Ground, Casing Pulled	267.97	
		Note: 0.465 CY Concrete per VLF, 57 lbs rebar per VLF.		
		<i>For >50' To 100' Deep, Add</i>	30.19	
		<i>For >100' To 150' Deep, Add</i>	66.99	
		<i>For >150' To 200' Deep, Add</i>	94.69	
		<i>For Right Angle Drilling, Add</i>	58.05	
31 64 13 00-0032	VLF	54" Diameter Caisson Wet Ground, Casing Pulled	347.08	
		Note: 0.589 CY Concrete per VLF, 76 lbs rebar per VLF.		
		<i>For >50' To 100' Deep, Add</i>	39.17	
		<i>For >100' To 150' Deep, Add</i>	86.77	
		<i>For >150' To 200' Deep, Add</i>	122.72	
		<i>For Right Angle Drilling, Add</i>	75.00	
31 64 13 00-0033	VLF	60" Diameter Caisson Wet Ground, Casing Pulled	425.11	
		Note: 0.727 CY Concrete per VLF, 93 lbs rebar per VLF.		
		<i>For >50' To 100' Deep, Add</i>	48.05	
		<i>For >100' To 150' Deep, Add</i>	106.28	
		<i>For >150' To 200' Deep, Add</i>	150.40	
		<i>For Right Angle Drilling, Add</i>	91.63	
31 64 13 00-0034	VLF	66" Diameter Caisson Wet Ground, Casing Pulled	489.49	
		Note: 0.87 CY Concrete per VLF, 113 lbs rebar per VLF.		
		<i>For >50' To 100' Deep, Add</i>	56.40	
		<i>For >100' To 150' Deep, Add</i>	122.37	
		<i>For >150' To 200' Deep, Add</i>	174.51	
		<i>For Right Angle Drilling, Add</i>	102.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0035 VLF 72" Diameter Caisson Wet Ground, Casing Pulled.....	562.74	
Note: 1.047 CY Concrete per VLF, 134 lbs rebar per VLF.		
For >50' To 100' Deep, Add	66.07	
For >100' To 150' Deep, Add	140.69	
For >150' To 200' Deep, Add	202.18	
For Right Angle Drilling, Add	113.58	
31 64 13 00-0036 VLF 78" Diameter Caisson Wet Ground, Casing Pulled.....	643.58	
Note: 1.229 CY Concrete per VLF, 157 lbs rebar per VLF.		
For >50' To 100' Deep, Add	76.37	
For >100' To 150' Deep, Add	160.90	
For >150' To 200' Deep, Add	232.22	
For Right Angle Drilling, Add	127.39	
31 64 13 00-0037 VLF 84" Diameter Caisson Wet Ground, Casing Pulled.....	729.03	
Note: 1.425 CY Concrete per VLF, 183 lbs rebar per VLF.		
For >50' To 100' Deep, Add	87.35	
For >100' To 150' Deep, Add	182.26	
For >150' To 200' Deep, Add	264.11	
For Right Angle Drilling, Add	141.66	
31 64 13 00-0038 For Bell Excavation And Concrete, Add <small>(31 64 13 00-0024)</small>		
31 64 13 00-0039 EA Bell Excavation And Concrete, 4' Bell Diameter Wet Ground 24" Shaft, 0.44 CY.....	401.68	
For >50' To 100' Deep, Add	32.47	
For >100' To 150' Deep, Add	100.42	
For >150' To 200' Deep, Add	125.95	
31 64 13 00-0040 EA Bell Excavation And Concrete, 6' Bell Diameter Wet Ground, 30" Shaft, 1.57 CY.....	1,399.79	
For >50' To 100' Deep, Add	113.46	
For >100' To 150' Deep, Add	349.95	
For >150' To 200' Deep, Add	439.28	
31 64 13 00-0041 EA Bell Excavation And Concrete, 7' Bell Diameter Wet Ground, 36" Shaft, 2.33 CY.....	1,909.74	
For >50' To 100' Deep, Add	143.60	
For >100' To 150' Deep, Add	477.44	
For >150' To 200' Deep, Add	585.32	
31 64 13 00-0042 EA Bell Excavation And Concrete, 8' Bell Diameter Wet Ground, 42" Shaft, 3.3 CY.....	3,078.48	
For >50' To 100' Deep, Add	252.09	
For >100' To 150' Deep, Add	769.62	
For >150' To 200' Deep, Add	969.29	
31 64 13 00-0043 EA Bell Excavation And Concrete, 9' Bell Diameter Wet Ground, 48" Shaft, 4.48 CY.....	3,988.19	
For >50' To 100' Deep, Add	323.19	
For >100' To 150' Deep, Add	997.05	
For >150' To 200' Deep, Add	1,251.48	
31 64 13 00-0044 EA Bell Excavation And Concrete, 10' Bell Diameter Wet Ground, 60" Shaft, 5.24 CY.....	4,689.62	
For >50' To 100' Deep, Add	379.87	
For >100' To 150' Deep, Add	1,172.41	
For >150' To 200' Deep, Add	1,471.38	
31 64 13 00-0045 EA Bell Excavation And Concrete, 12' Bell Diameter Wet Ground, 72" Shaft, 8.74 CY.....	7,954.20	
For >50' To 100' Deep, Add	643.05	
For >100' To 150' Deep, Add	1,988.55	
For >150' To 200' Deep, Add	2,494.08	
31 64 13 00-0046 EA Bell Excavation And Concrete, 14' Bell Diameter Wet Ground, 84" Shaft, 13.6 CY.....	11,495.59	
For >50' To 100' Deep, Add	938.51	
For >100' To 150' Deep, Add	2,873.90	
For >150' To 200' Deep, Add	3,615.95	
31 64 13 00-0047 Caisson In Soft Rock And Medium Hard Shale <small>(31 64 13)</small>		
Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.		
31 64 13 00-0048 Caisson In Soft Rock <small>(31 64 13 00-0047)</small>		
Note: Includes 3000 PSI concrete and reinforcing.		
31 64 13 00-0049 VLF 18" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	197.69	
Note: 0.066 CY Concrete per VLF, 9 lbs rebar per VLF.		
For >50' To 100' Deep, Add	15.55	
For >100' To 150' Deep, Add	49.42	
For >150' To 200' Deep, Add	61.44	
For Right Angle Drilling, Add	63.85	
31 64 13 00-0050 VLF 24" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	329.32	
Note: 0.116 CY Concrete per VLF, 14 lbs rebar per VLF.		
For >50' To 100' Deep, Add	25.89	
For >100' To 150' Deep, Add	82.33	
For >150' To 200' Deep, Add	102.34	
For Right Angle Drilling, Add	106.41	
31 64 13 00-0051 VLF 30" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	497.59	
Note: 0.182 CY Concrete per VLF, 23 lbs rebar per VLF.		
For >50' To 100' Deep, Add	39.37	
For >100' To 150' Deep, Add	124.40	
For >150' To 200' Deep, Add	154.96	
For Right Angle Drilling, Add	159.96	
31 64 13 00-0052 VLF 36" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	638.42	
Note: 0.262 CY Concrete per VLF, 33 lbs rebar per VLF.		
For >50' To 100' Deep, Add	51.22	
For >100' To 150' Deep, Add	159.61	
For >150' To 200' Deep, Add	199.69	
For Right Angle Drilling, Add	203.04	

31 Earthwork**31 60 Special Foundations And Load-bearing Elements****31 64 Caissons**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0053	VLF	42" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water..... Note: 0.356 CY Concrete per VLF, 48 lbs rebar per VLF.	824.18	
		<i>For >50' To 100' Deep, Add</i>	66.90	
		<i>For >100' To 150' Deep, Add</i>	206.05	
		<i>For >150' To 200' Deep, Add</i>	258.76	
		<i>For Right Angle Drilling, Add</i>	259.69	
31 64 13 00-0054	VLF	48" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water..... Note: 0.465 CY Concrete per VLF, 57 lbs rebar per VLF.	993.86	
		<i>For >50' To 100' Deep, Add</i>	81.01	
		<i>For >100' To 150' Deep, Add</i>	248.47	
		<i>For >150' To 200' Deep, Add</i>	312.45	
		<i>For Right Angle Drilling, Add</i>	312.11	
31 64 13 00-0055	VLF	54" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water..... Note: 0.589 CY Concrete per VLF, 76 lbs rebar per VLF.	1,219.47	
		<i>For >50' To 100' Deep, Add</i>	100.24	
		<i>For >100' To 150' Deep, Add</i>	304.87	
		<i>For >150' To 200' Deep, Add</i>	384.43	
		<i>For Right Angle Drilling, Add</i>	380.33	
31 64 13 00-0056	VLF	60" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water..... Note: 0.727 CY Concrete per VLF, 93 lbs rebar per VLF.	1,444.20	
		<i>For >50' To 100' Deep, Add</i>	119.39	
		<i>For >100' To 150' Deep, Add</i>	361.05	
		<i>For >150' To 200' Deep, Add</i>	456.13	
		<i>For Right Angle Drilling, Add</i>	448.31	
31 64 13 00-0057	VLF	66" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water..... Note: 0.88 CY Concrete per VLF, 113 lbs rebar per VLF.	1,593.86	
		<i>For >50' To 100' Deep, Add</i>	133.70	
		<i>For >100' To 150' Deep, Add</i>	398.47	
		<i>For >150' To 200' Deep, Add</i>	505.83	
		<i>For Right Angle Drilling, Add</i>	488.68	
31 64 13 00-0058	VLF	72" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water..... Note: 1.047 CY Concrete per VLF, 134 lbs rebar per VLF.	1,751.71	
		<i>For >50' To 100' Deep, Add</i>	149.30	
		<i>For >100' To 150' Deep, Add</i>	437.93	
		<i>For >150' To 200' Deep, Add</i>	558.87	
		<i>For Right Angle Drilling, Add</i>	529.72	
31 64 13 00-0059	VLF	78" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water..... Note: 1.229 CY Concrete per VLF, 157 lbs rebar per VLF.	1,809.64	
		<i>For >50' To 100' Deep, Add</i>	157.99	
		<i>For >100' To 150' Deep, Add</i>	452.41	
		<i>For >150' To 200' Deep, Add</i>	582.04	
		<i>For Right Angle Drilling, Add</i>	535.51	
31 64 13 00-0060	VLF	84" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water..... Note: 1.425 CY Concrete per VLF, 183 lbs rebar per VLF.	2,156.88	
		<i>For >50' To 100' Deep, Add</i>	187.30	
		<i>For >100' To 150' Deep, Add</i>	539.22	
		<i>For >150' To 200' Deep, Add</i>	692.46	
		<i>For Right Angle Drilling, Add</i>	641.41	
31 64 13 00-0061		For Bell Excavation And Concrete, Add <small>(31 64 13 00-0047)</small>		
31 64 13 00-0062	EA	Bell Excavation And Concrete, 4' Bell Diameter Soft Rock/Shale 24" Shaft 0.44 CY	685.24	
		<i>For >50' To 100' Deep, Add</i>	52.32	
		<i>For >100' To 150' Deep, Add</i>	171.31	
		<i>For >150' To 200' Deep, Add</i>	211.01	
31 64 13 00-0063	EA	Bell Excavation And Concrete, 6' Bell Diameter Soft Rock/Shale 30" Shaft 1.57 CY	2,411.54	
		<i>For >50' To 100' Deep, Add</i>	184.29	
		<i>For >100' To 150' Deep, Add</i>	602.89	
		<i>For >150' To 200' Deep, Add</i>	742.81	
31 64 13 00-0064	EA	Bell Excavation And Concrete, 7' Bell Diameter Soft Rock/Shale 36" Shaft 2.33 CY	3,617.26	
		<i>For >50' To 100' Deep, Add</i>	279.25	
		<i>For >100' To 150' Deep, Add</i>	904.32	
		<i>For >150' To 200' Deep, Add</i>	1,117.73	
31 64 13 00-0065	EA	Bell Excavation And Concrete, 8' Bell Diameter Soft Rock/Shale 42" Shaft 3.3 CY	5,149.55	
		<i>For >50' To 100' Deep, Add</i>	397.07	
		<i>For >100' To 150' Deep, Add</i>	1,287.39	
		<i>For >150' To 200' Deep, Add</i>	1,590.61	
31 64 13 00-0066	EA	Bell Excavation And Concrete, 9' Bell Diameter Soft Rock/Shale 48" Shaft 4.48 CY	6,801.11	
		<i>For >50' To 100' Deep, Add</i>	520.09	
		<i>For >100' To 150' Deep, Add</i>	1,700.28	
		<i>For >150' To 200' Deep, Add</i>	2,095.35	
31 64 13 00-0067	EA	Bell Excavation And Concrete, 10' Bell Diameter Soft Rock/Shale 60" Shaft 5.24 CY	8,284.92	
		<i>For >50' To 100' Deep, Add</i>	631.54	
		<i>For >100' To 150' Deep, Add</i>	2,071.23	
		<i>For >150' To 200' Deep, Add</i>	2,549.97	
31 64 13 00-0068	EA	Bell Excavation And Concrete, 12' Bell Diameter Soft Rock/Shale 72" Shaft 8.74 CY	12,538.22	
		<i>For >50' To 100' Deep, Add</i>	963.93	
		<i>For >100' To 150' Deep, Add</i>	3,134.56	
		<i>For >150' To 200' Deep, Add</i>	3,869.29	
31 64 13 00-0069	EA	Bell Excavation And Concrete, 14' Bell Diameter Soft Rock/Shale 84" Shaft 13.6 CY	18,862.75	
		<i>For >50' To 100' Deep, Add</i>	1,454.21	
		<i>For >100' To 150' Deep, Add</i>	4,715.69	
		<i>For >150' To 200' Deep, Add</i>	5,826.10	



Earthwork	31	
Special Foundations And Load-bearing Elements	31 60	15
Caissons	31 64	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0070 Caisson Setup And Removal <small>(31 64 13)</small>		
<small>Note: Includes mobilization of equipment, erection, dismantling of equipment, move off of site.</small>		
31 64 13 00-0071 EA Erect, Set Up, Dismantle And Removal Of Caisson 18" To 36" Diameter, Complete	3,091.72	
31 64 13 00-0072 EA Erect, Set Up, Dismantle And Removal Of Caisson 48" To 84" Diameter, Complete	4,368.41	
31 64 13 00-0073 EA Dismantle, Relocate, Erect And Set Up On Site At Different Location (During Same Phase Of Work), Caisson 18" To 36" Diameter.....	1,453.57	
31 64 13 00-0074 EA Dismantle, Relocate, Erect And Set Up On Site At Different Location (During Same Phase Of Work), Caisson 48" To 84" Diameter.....	1,938.08	
31 64 13 00-0075 EA Relocate Caisson Equipment To Different Hole On-Site Without Dismantling.....	121.13	
 31 68 Foundation Anchors <small>(31 68)</small>		
31 68 13 Rock Foundation Anchors <small>(31 68)</small>		
31 68 13 00-0001 Materials And Placement <small>(31 68 13)</small>		
31 68 13 00-0002 Hollow Core Prestressable Anchor, ASTM A615 <small>(31 68 13 00-0001)</small>		
<small>Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.</small>		
31 68 13 00-0003 3/4" Diameter <small>(31 68 13 00-0002)</small>		
31 68 13 00-0004 EA 3/4" Rock Bolt, 5' Hollow Core Prestressable Anchor.....	158.05	
31 68 13 00-0005 EA 3/4" Rock Bolt, 10' Hollow Core Prestressable Anchor.....	226.66	
31 68 13 00-0006 EA 3/4" Rock Bolt, 15' Hollow Core Prestressable Anchor.....	275.24	
31 68 13 00-0007 EA 3/4" Rock Bolt, 20' Hollow Core Prestressable Anchor.....	363.90	
31 68 13 00-0008 1" Diameter <small>(31 68 13 00-0002)</small>		
31 68 13 00-0009 EA 1" Rock Bolt, 5' Hollow Core Prestressable Anchor.....	198.66	
31 68 13 00-0010 EA 1" Rock Bolt, 10' Hollow Core Prestressable Anchor.....	304.74	
31 68 13 00-0011 EA 1" Rock Bolt, 15' Hollow Core Prestressable Anchor.....	390.80	
31 68 13 00-0012 EA 1" Rock Bolt, 20' Hollow Core Prestressable Anchor.....	516.96	
31 68 13 00-0013 1-3/8" Diameter <small>(31 68 13 00-0002)</small>		
31 68 13 00-0014 EA 1-3/8" Rock Bolt, 5' Hollow Core Prestressable Anchor.....	323.87	
31 68 13 00-0015 EA 1-3/8" Rock Bolt, 10' Hollow Core Prestressable Anchor.....	501.76	
31 68 13 00-0016 EA 1-3/8" Rock Bolt, 15' Hollow Core Prestressable Anchor.....	659.64	
31 68 13 00-0017 EA 1-3/8" Rock Bolt, 20' Hollow Core Prestressable Anchor.....	857.58	
31 68 13 00-0018 2" Diameter <small>(31 68 13 00-0002)</small>		
31 68 13 00-0019 EA 2" Rock Bolt, 5' Hollow Core Prestressable Anchor.....	704.68	
31 68 13 00-0020 EA 2" Rock Bolt, 10' Hollow Core Prestressable Anchor.....	1,046.57	
31 68 13 00-0021 EA 2" Rock Bolt, 15' Hollow Core Prestressable Anchor.....	1,368.39	
31 68 13 00-0022 EA 2" Rock Bolt, 20' Hollow Core Prestressable Anchor.....	1,730.32	
31 68 13 00-0023 Super High-Tensile Anchors, ASTM A-108 <small>(31 68 13 00-0001)</small>		
<small>Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.</small>		
31 68 13 00-0024 3/4" Diameter <small>(31 68 13 00-0023)</small>		
31 68 13 00-0025 EA 3/4" Rock Bolt, 5' Super High-Tensile Anchor.....	116.96	
31 68 13 00-0026 EA 3/4" Rock Bolt, 10' Super High-Tensile Anchor.....	156.02	
31 68 13 00-0027 EA 3/4" Rock Bolt, 15' Super High-Tensile Anchor.....	174.99	
31 68 13 00-0028 EA 3/4" Rock Bolt, 20' Super High-Tensile Anchor.....	232.67	
31 68 13 00-0029 1" Diameter <small>(31 68 13 00-0023)</small>		
31 68 13 00-0030 EA 1" Rock Bolt, 5' Super High-Tensile Anchor.....	138.04	
31 68 13 00-0031 EA 1" Rock Bolt, 10' Super High-Tensile Anchor.....	191.53	
31 68 13 00-0032 EA 1" Rock Bolt, 15' Super High-Tensile Anchor.....	223.31	
31 68 13 00-0033 EA 1" Rock Bolt, 20' Super High-Tensile Anchor.....	295.16	
31 68 13 00-0034 1-1/4" Diameter <small>(31 68 13 00-0023)</small>		
31 68 13 00-0035 EA 1-1/4" Rock Bolt, 5' Super High-Tensile Anchor	199.94	
31 68 13 00-0036 EA 1-1/4" Rock Bolt, 10' Super High-Tensile Anchor	280.26	
31 68 13 00-0037 EA 1-1/4" Rock Bolt, 15' Super High-Tensile Anchor	340.18	
31 68 13 00-0038 EA 1-1/4" Rock Bolt, 20' Super High-Tensile Anchor	437.67	
31 68 13 00-0039 2" Diameter <small>(31 68 13 00-0023)</small>		
31 68 13 00-0040 EA 2" Rock Bolt, 5' Super High-Tensile Anchor.....	515.04	
31 68 13 00-0041 EA 2" Rock Bolt, 10' Super High-Tensile Anchor.....	731.59	
31 68 13 00-0042 EA 2" Rock Bolt, 15' Super High-Tensile Anchor.....	891.40	
31 68 13 00-0043 EA 2" Rock Bolt, 20' Super High-Tensile Anchor.....	1,100.95	

31	31	Earthwork
	31 60	Special Foundations And Load-bearing Elements
	31 68	Foundation Anchors



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 68 13 00-0044	Solid Rebar Anchors, ASTM A615 <small>(31 68 13 00-0001)</small>	
	<small>Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.</small>	
31 68 13 00-0045	3/4" Diameter <small>(31 68 13 00-0044)</small>	
31 68 13 00-0046	EA 3/4" Rock Bolt, 5' Solid Rebar Anchor.....	110.19
31 68 13 00-0047	EA 3/4" Rock Bolt, 10' Solid Rebar Anchor.....	141.71
31 68 13 00-0048	EA 3/4" Rock Bolt, 15' Solid Rebar Anchor.....	153.18
31 68 13 00-0049	EA 3/4" Rock Bolt, 20' Solid Rebar Anchor.....	204.75
31 68 13 00-0050	1" Diameter <small>(31 68 13 00-0044)</small>	
31 68 13 00-0051	EA 1" Rock Bolt, 5' Solid Rebar Anchor.....	123.22
31 68 13 00-0052	EA 1" Rock Bolt, 10' Solid Rebar Anchor.....	163.25
31 68 13 00-0053	EA 1" Rock Bolt, 15' Solid Rebar Anchor.....	183.28
31 68 13 00-0054	EA 1" Rock Bolt, 20' Solid Rebar Anchor.....	243.34
31 68 13 00-0055	1-1/4" Diameter <small>(31 68 13 00-0044)</small>	
31 68 13 00-0056	EA 1-1/4" Rock Bolt, 5' Solid Rebar Anchor.....	175.32
31 68 13 00-0057	EA 1-1/4" Rock Bolt, 10' Solid Rebar Anchor.....	226.61
31 68 13 00-0058	EA 1-1/4" Rock Bolt, 15' Solid Rebar Anchor.....	257.95
31 68 13 00-0059	EA 1-1/4" Rock Bolt, 20' Solid Rebar Anchor.....	329.33
31 68 13 00-0060	Resin Anchoring With Grade 60 Rebar <small>(31 68 13 00-0001)</small>	
	<small>Note: Pricing includes only material and labor to install anchors.. See CSI section 31 68 13 00-0081 for rebar collars, 31 68 13 00-0083 for resin cartridges, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0207 for rock bolt testing.</small>	
31 68 13 00-0061	Rebar #6 <small>(31 68 13 00-0060)</small>	
31 68 13 00-0062	EA #6 Rebar Rock Anchor, 5' Resin Anchor With Grade 60 Rebar.....	64.47
31 68 13 00-0063	EA #6 Rebar Rock Anchor, 10' Resin Anchor With Grade 60 Rebar.....	88.85
31 68 13 00-0064	EA #6 Rebar Rock Anchor, 15' Resin Anchor With Grade 60 Rebar.....	93.22
31 68 13 00-0065	EA #6 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar.....	128.92
31 68 13 00-0066	Rebar #8 <small>(31 68 13 00-0060)</small>	
31 68 13 00-0067	EA #8 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar.....	67.86
31 68 13 00-0068	EA #8 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar.....	95.64
31 68 13 00-0069	EA #8 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar.....	103.41
31 68 13 00-0070	EA #8 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar.....	151.24
31 68 13 00-0071	Rebar #10 <small>(31 68 13 00-0060)</small>	
31 68 13 00-0072	EA #10 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar.....	72.71
31 68 13 00-0073	EA #10 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar.....	105.35
31 68 13 00-0074	EA #10 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar.....	117.96
31 68 13 00-0075	EA #10 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar.....	170.64
31 68 13 00-0076	Rebar #14 <small>(31 68 13 00-0060)</small>	
31 68 13 00-0077	EA #14 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar.....	84.36
31 68 13 00-0078	EA #14 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar.....	128.63
31 68 13 00-0079	EA #14 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar.....	152.89
31 68 13 00-0080	EA #14 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar.....	217.22
31 68 13 00-0081	Plastic Rebar Collars, Sizes #6-#14 <small>(31 68 13 00-0060)</small>	
31 68 13 00-0082	EA Plastic Rebar Collars For Rebar #4 To #14.....	0.92
31 68 13 00-0083	12" Long Resin Cartridges <small>(31 68 13 00-0001)</small>	
31 68 13 00-0084	EA 7/8" Resin Cartridge 12" Long.....	1.93
31 68 13 00-0085	EA 1" Resin Cartridge 12" Long.....	2.64
31 68 13 00-0086	EA 1-1/16" Resin Cartridge 12" Long.....	2.83
31 68 13 00-0087	EA 1-1/4" Resin Cartridge 12" Long.....	3.06
31 68 13 00-0088	EA 1-3/8" Resin Cartridge 12" Long.....	3.51
31 68 13 00-0089	EA 1-9/16" Resin Cartridge 12" Long.....	4.40
31 68 13 00-0090	EA 1-3/4" Resin Cartridge 12" Long.....	6.04
31 68 13 00-0091	Head Assembly <small>(31 68 13 00-0001)</small>	
31 68 13 00-0092	3/4" Rod Diameter <small>(31 68 13 00-0091)</small>	
31 68 13 00-0093	EA 3/4" Rod Head Assembly 1-5/8" Short Cone and Shell.....	21.22
31 68 13 00-0094	EA 3/4" Rod Head Assembly 1-3/4" Short Cone and Shell.....	17.88
31 68 13 00-0095	EA 3/4" Rod Head Assembly 1-7/8" Short Cone and Shell.....	18.75



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0096	EA	3/4" Rod Head Assembly 1-3/4" Long Cone and Shell.....	33.67	
31 68 13 00-0097	EA	3/4" Rod Head Assembly 1-7/8" Long Cone and Shell.....	33.67	
31 68 13 00-0098	EA	3/4" Rod Head Assembly 1-3/4" Long Cone and Shell.....	31.90	
31 68 13 00-0099		1" Rod Diameter <small>(31 68 13 00-0091)</small>		
31 68 13 00-0100	EA	1" Rod Head Assembly 1-5/8" Short Cone and Shell.....	22.87	
31 68 13 00-0101	EA	1" Rod Head Assembly 1-3/4" Short Cone and Shell.....	19.58	
31 68 13 00-0102	EA	1" Rod Head Assembly 1-7/8" Short Cone and Shell.....	20.45	
31 68 13 00-0103	EA	1" Rod Head Assembly 1-3/4" Long Cone and Shell.....	35.42	
31 68 13 00-0104	EA	1" Rod Head Assembly 1-7/8" Long Cone and Shell.....	35.42	
31 68 13 00-0105	EA	1" Rod Head Assembly 1-3/4" Long Cone and Shell.....	33.77	
31 68 13 00-0106		1-1/4" Rod Diameter <small>(31 68 13 00-0091)</small>		
31 68 13 00-0107	EA	1-1/4" Rod Head Assembly 2" Short Cone and Shell.....	51.04	
31 68 13 00-0108	EA	1-1/4" Rod Head Assembly 2-1/4" Short Cone and Shell.....	59.62	
31 68 13 00-0109	EA	1-1/4" Rod Head Assembly 2-1/2" Short Cone and Shell.....	60.47	
31 68 13 00-0110	EA	1-1/4" Rod Head Assembly 2-1/4" Long Cone and Shell.....	53.63	
31 68 13 00-0111	EA	1-1/4" Rod Head Assembly 2-1/2" Long Cone and Shell.....	62.53	
31 68 13 00-0112		1-7/8" Rod Diameter <small>(31 68 13 00-0091)</small>		
31 68 13 00-0113	EA	1-7/8" Rod Head Assembly 3-1/2" Long Cone/Shell/Fl.....	200.87	
31 68 13 00-0114	EA	1/7/8" Rod Head Assembly 3" Long Cone and Shell.....	138.48	
31 68 13 00-0115		2" Rod Diameter <small>(31 68 13 00-0091)</small>		
31 68 13 00-0116	EA	2" Rod Head Assembly 3-1/2" Long Cone/Shell/Fl.....	200.87	
31 68 13 00-0117	EA	2" Rod Head Assembly 3" Long Cone and Shell.....	138.48	
31 68 13 00-0118		Steel Plates With Standard Hole And Washers <small>(31 68 13 00-0001)</small>		
31 68 13 00-0119		Steel Plates <small>(31 68 13 00-0118)</small>		
31 68 13 00-0120	EA	1/4" x 4" x 4" Steel Plate For Rock Bolt With Washer.....	3.08	
31 68 13 00-0121	EA	1/4" x 6" x 6" Steel Plate For Rock Bolt With Washer.....	5.69	
31 68 13 00-0122	EA	3/8" x 6" x 6" Steel Plate For Rock Bolt With Washer.....	7.92	
31 68 13 00-0123	EA	3/8" x 8" x 8" Steel Plate For Rock Bolt With Washer.....	13.89	
31 68 13 00-0124	EA	1/2" x 5" x 5" Steel Plate For Rock Bolt With Washer.....	5.39	
31 68 13 00-0125	EA	1/2" x 8" x 8" Steel Plate For Rock Bolt With Washer.....	14.17	
31 68 13 00-0126	EA	3/4" x 7" x 7" Steel Plate For Rock Bolt With Washer.....	23.51	
31 68 13 00-0127	EA	3/4" x 8" x 8" Steel Plate For Rock Bolt With Washer.....	33.31	
31 68 13 00-0128	EA	1" x 4" x 7" Steel Plate For Rock Bolt With Washer.....	20.00	
31 68 13 00-0129	EA	1" x 9" x 9" Steel Plate For Rock Bolt With Washer.....	56.57	
31 68 13 00-0130	EA	1" x 12" x 12" Steel Plate For Rock Bolt With Washer.....	83.36	
31 68 13 00-0131	EA	1-1/4" x 5" x 8" Steel Plate For Rock Bolt With Washer.....	36.59	
31 68 13 00-0132	EA	1-1/4" x 11" x 11" Steel Plate For Rock Bolt With Washer.....	98.97	
31 68 13 00-0133	EA	1-1/2" x 5" x 10" Steel Plate For Rock Bolt With Washer.....	49.49	
31 68 13 00-0134	EA	1-1/2" x 12" x 12" Steel Plate For Rock Bolt With Washer.....	119.04	
31 68 13 00-0135	EA	1-3/4" x 5" x 10" Steel Plate For Rock Bolt With Washer.....	54.63	
31 68 13 00-0136	EA	1-3/4" x 12" x 12" Steel Plate For Rock Bolt With Washer.....	132.03	
31 68 13 00-0137		Hardened Washers <small>(31 68 13 00-0118)</small>		
31 68 13 00-0138	EA	Hardened Washer For 3/4" Diameter Rock Bolt.....	0.70	
31 68 13 00-0139	EA	Hardened Washer For 1" Diameter Rock Bolt.....	0.97	
31 68 13 00-0140	EA	Hardened Washer For 1-1/4" Diameter Rock Bolt.....	2.72	
31 68 13 00-0141	EA	Hardened Washer For 2" Diameter Rock Bolt.....	6.77	
31 68 13 00-0142		Beveled Washers <small>(31 68 13 00-0118)</small>		
31 68 13 00-0143	EA	Beveled Washer For 3/4" Diameter Rock Bolt.....	1.77	
31 68 13 00-0144	EA	Beveled Washer For 7/8" To 1-1/8" Diameter Rock Bolt.....	1.75	
31 68 13 00-0145	EA	Beveled Wash For 1-1/4" To 1-3/8" Diameter Rock Bolt.....	2.64	
31 68 13 00-0146	EA	Beveled Washer For 1-1/2" Diameter Rock Bolt.....	11.30	
31 68 13 00-0147	EA	Beveled Washer For 2" Diameter Rock Bolt.....	7.81	
31 68 13 00-0148		Hex Nuts <small>(31 68 13 00-0118)</small>		
31 68 13 00-0149	EA	Hex Nut For 3/4" Diameter Rock Bolt.....	1.38	
31 68 13 00-0150	EA	Hex Nut For 1" Diameter Rock Bolt.....	2.26	
31 68 13 00-0151	EA	Hex Nut For 1-1/4" Diameter Rock Bolt.....	9.24	
31 68 13 00-0152	EA	Hex Nut For 1-1/2" Diameter Rock Bolt.....	5.82	
31 68 13 00-0153	EA	Hex Nut For 2" Diameter Rock Bolt.....	37.14	
31 68 13 00-0154		Drilling Operation For Rockbolts <small>(31 68 13)</small>		
31 68 13 00-0155		Drill Holes For Rock Bolts <small>(31 68 13 00-0154)</small>		

31 Earthwork**31 60 Special Foundations And Load-bearing Elements****31 68 Foundation Anchors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

31 68 13 00-0156		3/4" Diameter Bolt, 1-3/4" Hole <small>(31 68 13 00-0155)</small>		
31 68 13 00-0157	EA	Drill 1-3/4" Diameter Hole x 5' Long For 3/4" Diameter Rock Bolts.....	146.72	
31 68 13 00-0158	EA	Drill 1-3/4" Diameter Hole x 10' Long For 3/4" Diameter Rock Bolts.....	277.13	
31 68 13 00-0159	EA	Drill 1-3/4" Diameter Hole x 15' Long For 3/4" Diameter Rock Bolts.....	415.70	
31 68 13 00-0160	EA	Drill 1-3/4" Diameter Hole x 20' Long For 3/4" Diameter Rock Bolts.....	498.84	
31 68 13 00-0161		1" Diameter Bolt, 2" Hole <small>(31 68 13 00-0155)</small>		
31 68 13 00-0162	EA	Drill 2" Diameter Hole x 5' Long For 1" Diameter Rock Bolt.....	191.87	
31 68 13 00-0163	EA	Drill 2" Diameter Hole x 10' Long For 1" Diameter Rock Bolt.....	356.31	
31 68 13 00-0164	EA	Drill 2" Diameter Hole x 15' Long For 1" Diameter Rock Bolt.....	498.84	
31 68 13 00-0165	EA	Drill 2" Diameter Hole x 20' Long For 1" Diameter Rock Bolt.....	623.56	
31 68 13 00-0166		1-1/4" Diameter Bolt, 2-1/4" Hole <small>(31 68 13 00-0155)</small>		
31 68 13 00-0167	EA	Drill 2-1/4" Diameter Hole x 5' Long For 1-1/4" Diameter Rock Bolt.....	207.85	
31 68 13 00-0168	EA	Drill 2-1/4" Diameter Hole x 10' Long For 1-1/4" Diameter Rock Bolt.....	415.70	
31 68 13 00-0169	EA	Drill 2-1/4" Diameter Hole x 15' Long For 1-1/4" Diameter Rock Bolt.....	623.56	
31 68 13 00-0170	EA	Drill 2-1/4" Diameter Hole x 20' Long For 1-1/4" Diameter Rock Bolt.....	831.41	
31 68 13 00-0171		2" Diameter Bolt, 3-1/2" Hole <small>(31 68 13 00-0155)</small>		
31 68 13 00-0172	EA	Drill 3-1/2" Diameter Hole x 5 Long For 2" Diameter Rock Bolt.....	249.42	
31 68 13 00-0173	EA	Drill 3-1/2" Diameter Hole x 10' Long For 2" Diameter Rock Bolt.....	498.84	
31 68 13 00-0174	EA	Drill 3-1/2" Diameter Hole x 15' Long For 2" Diameter Rock Bolts.....	831.41	
31 68 13 00-0175	EA	Drill 3-1/2" Diameter Hole x 20' Long For 2" Diameter Rock Bolt.....	1,247.11	
31 68 13 00-0176		Tools <small>(31 68 13)</small>		
31 68 13 00-0177		Hydraulic Jacks, Monthly Rental <small>(31 68 13 00-0176)</small>		
31 68 13 00-0178	EA	1/2" To 1", 30 Ton Hydraulic Jack For Rock Bolt, 2" Stroke.....	403.28	
31 68 13 00-0179	EA	1-1/8" To 1-3/8", 60 Ton Hydraulic Jack For Rock Bolt, 3" Stroke.....	594.31	
31 68 13 00-0180	EA	1-1/8" To 1-3/8", 60 Ton Hydraulic Jack For Rock Bolt, 10" Stroke.....	997.03	
31 68 13 00-0181	EA	1-7/8" To 2", 100 Ton Hydraulic Jack For Rock Bolt, 10" Stroke.....	1,492.68	
31 68 13 00-0182	EA	1-7/8" To 2", 150 Ton Hydraulic Jack For Rock Bolt, 12" Stroke.....	2,231.28	
31 68 13 00-0183		Torque Wrenches And Ratchet Adapter, Monthly Rental <small>(31 68 13 00-0176)</small>		
31 68 13 00-0184		0-500 Foot Pounds (0-678J) <small>(31 68 13 00-0183)</small>		
31 68 13 00-0185	EA	1/2" To 1" Bolt Diameter Torque Wrench 0 To 500 Foot Pounds, Monthly Rental.....	141.12	
31 68 13 00-0186	EA	Torque Wrench Ratchet Adapter Monthly Rental, 0 To 500 Foot Pounds.....	88.46	
31 68 13 00-0187	EA	Torque Wrench With Adapter 0 To 500 Foot Pounds, Monthly Rental.....	229.75	
31 68 13 00-0188		0-600 Foot Pounds (0-814J) <small>(31 68 13 00-0183)</small>		
31 68 13 00-0189	EA	0 To 600 Foot Pounds Torque Wrench Self-Ratcheting, Monthly Rental.....	160.23	
31 68 13 00-0190		Up To 1,000 Foot Pounds (0-1356J) <small>(31 68 13 00-0183)</small>		
31 68 13 00-0191	EA	1-1/8" To 2" Bolt Diameter Torque Wrench 0 To 1,000 Foot Pounds, Monthly Rental.....	307.72	
31 68 13 00-0192	EA	Torque Wrench Ratchet Adapter 0 To 1,000 Foot Pounds, Monthly Rental.....	75.90	
31 68 13 00-0193	EA	Torque Wrench With Ratchet 0 To 1,000 Foot Pounds, Monthly Rental.....	383.61	
31 68 13 00-0194		Torque Multiplier, 4:1 Multiplier <small>(31 68 13 00-0176)</small>		
31 68 13 00-0195	EA	Torque Multiplier, 4 To 1 Ratio.....	394.11	
31 68 13 00-0196		Pneumatic Drive Torque Wrench <small>(31 68 13 00-0176)</small>		
31 68 13 00-0197	EA	Pneumatic Drive Torque Wrench 250 To 900 Foot Pounds (339J - 1220J).....	843.29	
31 68 13 00-0198		Grouting <small>(31 68 13)</small>		
31 68 13 00-0199		Grouting With Pumps <small>(31 68 13 00-0198)</small>		
		Note: Grout material and labor only.		
31 68 13 00-0200	GAL	Rock Bolt Grouting, Hand Pump 1 To 2 GPM Delivery.....	14.75	
31 68 13 00-0201	GAL	Rock Bolt Grouting, Air Pump 3 To 4 GPM Continuous Delivery.....	24.54	
31 68 13 00-0202	GAL	Rock Bolt Grout, Air/Piston Pump 2 To 4 GPM Delivery.....	22.44	
31 68 13 00-0203		Grout Pumps, Monthly Rental <small>(31 68 13 00-0198)</small>		
31 68 13 00-0204	EA	Hand Grout Pump, Monthly Rental.....	125.14	
31 68 13 00-0205	EA	Air Powered Programmable Feed Grout Pump Monthly Rental.....	1,052.68	
31 68 13 00-0206	EA	Air Powered, Piston Drive Grout Pump Monthly Rental.....	1,837.89	



Earthwork	31	13
Special Foundations And Load-bearing Elements	31 60	
Foundation Anchors	31 68	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 68 13 00-0207	Rock Bolt Testing <small>(31 68 13)</small>	
31 68 13 00-0208 EA	Rock Bolt Test, Low To Medium Capacity LF >100 Bolts Need Testing.....	332.93

END OF SECTION 31

31	31	Earthwork
	31 60	Special Foundations And Load-bearing Elements
	31 68	Foundation Anchors



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 Exterior Improvements

32 01 Operation And Maintenance Of Exterior Improvements (32)

32 01 11 Paving Cleaning (32 01)

32 01 11 53 Paint Removal From Paving (32 01 11)

32 01 11 53-0001 Remove Pavement Markings (32 01 11 53)

Note: Includes stripe removal by grinding, vacuuming of removed striped area and containment of debris.

32 01 11 53-0002	LF Removal Of 4" Wide Painted Or Epoxy Pavement Striping	1.74
	For Up To 250, Add	0.87
	For >250 To 1,000, Add	0.44
	For >5,000 To 10,000, Deduct	-0.26
	For >10,000 To 25,000, Deduct	-0.44
	For >25,000 To 50,000, Deduct	-0.61
	For >50,000, Deduct	-0.70
32 01 11 53-0003	LF Removal Of 6" Wide Painted Or Epoxy Pavement Striping	2.09
	For Up To 250, Add	1.05
	For >250 To 1,000, Add	0.52
	For >5,000 To 10,000, Deduct	-0.31
	For >10,000 To 25,000, Deduct	-0.52
	For >25,000 To 50,000, Deduct	-0.73
	For >50,000, Deduct	-0.84
32 01 11 53-0004	LF Removal Of 8" Wide Painted Or Epoxy Pavement Striping	2.51
	For Up To 250, Add	1.26
	For >250 To 1,000, Add	0.63
	For >5,000 To 10,000, Deduct	-0.38
	For >10,000 To 25,000, Deduct	-0.63
	For >25,000 To 50,000, Deduct	-0.88
	For >50,000, Deduct	-1.00
32 01 11 53-0005	LF Removal Of 12" Wide Painted Or Epoxy Pavement Striping	3.00
	For Up To 250, Add	1.50
	For >250 To 1,000, Add	0.75
	For >5,000 To 10,000, Deduct	-0.45
	For >10,000 To 25,000, Deduct	-0.75
	For >25,000 To 50,000, Deduct	-1.05
	For >50,000, Deduct	-1.20
32 01 11 53-0006	SF Removal Of Painted Or Epoxy Pavement Marking, Letters Or Symbols	3.00
	For Up To 250, Add	1.50
	For >250 To 1,000, Add	0.75
	For >5,000 To 10,000, Deduct	-0.45
	For >10,000 To 25,000, Deduct	-0.75
	For >25,000 To 50,000, Deduct	-1.05
	For >50,000, Deduct	-1.20
32 01 11 53-0007	LF Removal Of 4" Wide Thermoplastic Pavement Striping	2.24
	For Up To 250, Add	1.12
	For >250 To 1,000, Add	0.56
	For >5,000 To 10,000, Deduct	-0.34
	For >10,000 To 25,000, Deduct	-0.56
	For >25,000 To 50,000, Deduct	-0.78
	For >50,000, Deduct	-0.90
32 01 11 53-0008	LF Removal Of 6" Wide Thermoplastic Pavement Striping	2.64
	For Up To 250, Add	1.32
	For >250 To 1,000, Add	0.66
	For >5,000 To 10,000, Deduct	-0.40
	For >10,000 To 25,000, Deduct	-0.66
	For >25,000 To 50,000, Deduct	-0.92
	For >50,000, Deduct	-1.06
32 01 11 53-0009	LF Removal Of 8" Wide Thermoplastic Pavement Striping	3.19
	For Up To 250, Add	1.60
	For >250 To 1,000, Add	0.80
	For >5,000 To 10,000, Deduct	-0.48
	For >10,000 To 25,000, Deduct	-0.80
	For >25,000 To 50,000, Deduct	-1.12
	For >50,000, Deduct	-1.28
32 01 11 53-0010	LF Removal Of 12" Wide Thermoplastic Pavement Striping	3.81
	For Up To 250, Add	1.91
	For >250 To 1,000, Add	0.95
	For >5,000 To 10,000, Deduct	-0.57
	For >10,000 To 25,000, Deduct	-0.95
	For >25,000 To 50,000, Deduct	-1.33
	For >50,000, Deduct	-1.52
32 01 11 53-0011	SF Removal Of Thermoplastic Pavement Marking, Letters Or Symbols	3.81
	For Up To 250, Add	1.91
	For >250 To 1,000, Add	0.95
	For >5,000 To 10,000, Deduct	-0.57
	For >10,000 To 25,000, Deduct	-0.95
	For >25,000 To 50,000, Deduct	-1.33
	For >50,000, Deduct	-1.52

32 01 13 Flexible Paving Surface Treatment (32 01)

32 Exterior Improvements
32 01 Operation And Maintenance Of Exterior Improvements
32 01 13 Flexible Paving Surface Treatment



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 01 13 61 Slurry Seal (Latex Modified) (32 01 13)

32 01 13 61-0001 Asphalt Seal Coating, For Roads And Parking Lot (32 01 13 61)

Note: Includes sweeping and cleaning of area.

32 01 13 61-0002	EA	Asphalt Seal Coating Minimum.....	439.03
		Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
32 01 13 61-0003	SY	Up To 500 SY, Type II Slurry Seal Asphalt Coating, Per Coat.....	2.37
		Note: 1/4" thick, 14 to 18 Lbs/SY.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.31
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.37
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.47
		For Each 0.5% Of Latex Addition, Add	0.15
32 01 13 61-0004	SY	>500 To 1,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat.....	2.13
		Note: 1/4" thick, 14 to 18 Lbs/SY.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.30
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.36
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.46
		For Each 0.5% Of Latex Addition, Add	0.15
32 01 13 61-0005	SY	>1,000 To 5,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat.....	1.95
		Note: 1/4" thick, 14 to 18 Lbs/SY.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.29
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.35
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.45
		For Each 0.5% Of Latex Addition, Add	0.15
32 01 13 61-0006	SY	>5,000 To 20,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat.....	1.77
		Note: 1/4" thick, 14 to 18 Lbs/SY.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.28
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.34
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.44
		For Each 0.5% Of Latex Addition, Add	0.15
32 01 13 61-0007	SY	>20,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat.....	1.61
		Note: 1/4" thick, 14 to 18 Lbs/SY.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.27
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.33
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.43
		For Each 0.5% Of Latex Addition, Add	0.15
32 01 13 61-0008	SY	Up To 500 SY, Type III Slurry Seal Asphalt Coating, Per Coat.....	2.84
		Note: 3/8" thick, 25 to 30 Lbs/SY.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.32
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.38
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.48
		For Each 0.5% Of Latex Addition, Add	0.24
32 01 13 61-0009	SY	>500 To 1,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat.....	2.59
		Note: 3/8" thick, 25 to 30 Lbs/SY.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.30
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.36
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.46
		For Each 0.5% Of Latex Addition, Add	0.24
32 01 13 61-0010	SY	>1,000 To 5,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat.....	2.40
		Note: 3/8" thick, 25 to 30 Lbs/SY.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.30
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.36
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.46
		For Each 0.5% Of Latex Addition, Add	0.24
32 01 13 61-0011	SY	>5,000 To 20,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat.....	2.21
		Note: 3/8" thick, 25 to 30 Lbs/SY.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.29
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.35
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.45
		For Each 0.5% Of Latex Addition, Add	0.24
32 01 13 61-0012	SY	>20,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat.....	2.05
		Note: 3/8" thick, 25 to 30 Lbs/SY.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.28
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.34
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.44
		For Each 0.5% Of Latex Addition, Add	0.24

32 01 13 62 Asphalt Surface Treatment (32 01 13)

32 01 13 62-0001 Polymer-Modified, Microsurfacing Emulsion (MSE Microsurfacing) (32 01 13 62)

Note: Use a blend of emulsified quick-set polymer-modified emulsion asphalt and latex-based polymer. Includes sweeping and cleaning of area.

32 01 13 62-0002	SY	Up To 200 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....	5.67
32 01 13 62-0003	SY	>200 To 500 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....	5.27
32 01 13 62-0004	SY	>500 To 1,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....	4.93
32 01 13 62-0005	SY	>1,000 To 5,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....	4.64
32 01 13 62-0006	SY	>5,000 To 10,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....	4.45
32 01 13 62-0007	SY	>10,000 To 20,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....	4.22
32 01 13 62-0008	SY	>20,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....	4.04

32 01 16 Flexible Paving Rehabilitation (32 01)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 16 71 Cold Milling Asphalt Pavement <small>(32 01 16)</small>		
32 01 16 71-0001 Removal Of Asphalt Surface Course <small>(32 01 16 71)</small> Note: Includes direct loading into truck.		
32 01 16 71-0002 Production Cold Milling Of Roads And Parking Areas <small>(32 01 16 71-0001)</small> Note: For removal of entire lanes of roads or parking areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0036 for hauling.		
32 01 16 71-0003 SY Up To 3" Depth, Production Cold Milling Of Asphalt.....	3.53	
For Up To 2,500, Add	2.65	
For >2,500 To 5,000, Add	0.88	
For >10,000 To 25,000, Deduct	-0.35	
For >25,000, Deduct	-0.53	
32 01 16 71-0004 SY >3" To 6" Depth, Production Cold Milling Of Asphalt.....	4.71	
For Up To 2,500, Add	3.53	
For >2,500 To 5,000, Add	1.18	
For >10,000 To 25,000, Deduct	-0.47	
For >25,000, Deduct	-0.71	
32 01 16 71-0005 SY >6" To 12" Depth, Production Cold Milling Of Asphalt.....	6.28	
For Up To 2,500, Add	4.71	
For >2,500 To 5,000, Add	1.57	
For >10,000 To 25,000, Deduct	-0.63	
For >25,000, Deduct	-0.94	
32 01 16 71-0006 Limited Production Cold Milling <small>(32 01 16 71-0001)</small> Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0036 for hauling.		
32 01 16 71-0007 SY Up To 3" Depth, Limited Cold Milling Of Asphalt.....	22.35	
For >100 To 1,000, Deduct	-11.18	
For >1,000, Deduct	-16.76	
32 01 16 71-0008 SY >3" To 6" Depth, Limited Cold Milling Of Asphalt.....	29.60	
For >100 To 1,000, Deduct	-14.80	
For >1,000, Deduct	-22.20	
32 01 16 71-0009 SY >6" To 12" Depth, Limited Cold Milling Of Asphalt.....	39.42	
For >100 To 1,000, Deduct	-19.71	
For >1,000, Deduct	-29.57	
32 01 16 71-0010 Grind, Leave In-Place Asphalt Grindings <small>(32 01 16 71)</small> Note: For use as subbase material, includes spreading and rolling.		
32 01 16 71-0011 SY Grind, Leave In-Place As Subbase Course, 6-9" Depth.....	5.94	
32 01 16 71-0012 Wedge Grinding Cold Milling <small>(32 01 16 71)</small> Note: Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes water truck. Excludes mobilization, sweeping and cleaning, hauling and disposal. See CSI section 01 74 16 00-0001 for sweeping and cleaning.		
32 01 16 71-0013 LF 5' Wedge Grinding/Cold Milling Of Asphalt Up To 3" Depth.....	6.21	
32 01 16 71-0014 LF 10' Wedge Grinding/Cold Milling Of Asphalt Up To 3" Depth.....	12.42	
32 01 16 71-0015 Cutback Ramp <small>(32 01 16 71)</small>		
32 01 16 71-0016 LF 1" Differential, 5' Length, Cutback Ramp.....	9.03	
32 01 16 71-0017 LF 1-1/2" Differential, 5' Length, Cutback Ramp.....	10.77	
32 01 16 71-0018 LF 2" Differential, 5' Length, Cutback Ramp.....	12.36	
32 01 16 73 In Place Cold Reused Asphalt Paving <small>(32 01 16)</small>		
32 01 16 73-0001 Cold-In-Place-Full Depth Reclamation With Foam Asphalt (FDR-FA) <small>(32 01 16 73)</small> Note: Includes milling Up To 12" of existing AC surface. Excludes traffic control, grading, utilities adjustment and wearing course of either Chip Seal or HMA overlay of the finished surface.		
32 01 16 73-0002 SF Up To 30,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA).....	3.78	
32 01 16 73-0003 SF >30,000 To 42,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA).....	3.52	
32 01 16 73-0004 SF >42,000 To 71,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA).....	2.95	
32 01 16 73-0005 SF >71,000 To 130,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA).....	2.53	
32 01 16 73-0006 SF >130,000 To 250,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA).....	2.25	
32 01 16 73-0007 SF >250,000 To 500,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA).....	2.08	
32 01 16 73-0008 SF >500,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA).....	1.95	
32 01 16 73-0009 Cold-In-Place-Full Depth Reclamation Process With Cement (FDR-C) <small>(32 01 16 73)</small> Note: Includes milling Up To 12" of existing AC surface. Excludes traffic control, grading, utilities adjustment and wearing course of either Chip Seal or HMA overlay of the finished surface.		
32 01 16 73-0010 SF Up To 30,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C).....	4.05	
For >12" To 18" Depth, Add	1.41	
32 01 16 73-0011 SF >42,000 To 71,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C).....	3.22	
For >12" To 18" Depth, Add	1.16	
32 01 16 73-0012 SF >71,000 To 130,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C).....	2.80	
For >12" To 18" Depth, Add	1.04	

32 Exterior Improvements
32 01 Operation And Maintenance Of Exterior Improvements
32 01 16 Flexible Paving Rehabilitation



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 16 73-0013	SF		>130,000 To 250,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C).....	2.52	
			<i>For >12" To 18" Depth, Add</i>	0.95	
32 01 16 73-0014	SF		>250,000 To 500,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C).....	2.35	
			<i>For >12" To 18" Depth, Add</i>	0.90	
32 01 16 73-0015	SF		>500,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C).....	2.22	
			<i>For >12" To 18" Depth, Add</i>	0.86	
32 01 16 73-0016			Supplemental Aggregate (32 01 16 73)		
32 01 16 73-0017	TON		Supplemental Aggregate.....	45.62	
32 01 16 73-0018			Cold-In-Place Recycling (CALTRAN) (32 01 16 73)		
32 01 16 73-0019	TON		Sand Cover (CIPR).....	58.00	
			<i>For >500 To 1,000, Deduct</i>	-1.45	
			<i>For >1,000 To 2,500, Deduct</i>	-2.90	
			<i>For >2,500 To 5,000, Deduct</i>	-4.06	
			<i>For >5,000, Deduct</i>	-5.22	
32 01 16 73-0020	SY		Cold In Place Recycling (CIPR).....	6.50	
			<i>For >10,000 To 25,000, Deduct</i>	-0.65	
			<i>For >25,000, Deduct</i>	-0.98	
32 01 16 73-0021	TON		Cement (CIPR).....	135.00	
			<i>For >500 To 1,000, Deduct</i>	-3.38	
			<i>For >1,000 To 2,500, Deduct</i>	-6.75	
			<i>For >2,500 To 5,000, Deduct</i>	-9.45	
			<i>For >5,000, Deduct</i>	-12.15	
32 01 16 73-0022	TON		Emulsified Recycling Agent (CIPR).....	610.00	
			<i>For >500 To 1,000, Deduct</i>	-15.25	
			<i>For >1,000 To 2,500, Deduct</i>	-30.50	
			<i>For >2,500 To 5,000, Deduct</i>	-42.70	
			<i>For >5,000, Deduct</i>	-54.90	
32 01 16 73-0023	TON		Asphaltic Emulsion (CIPR).....	610.00	
			<i>For >500 To 1,000, Deduct</i>	-15.25	
			<i>For >1,000 To 2,500, Deduct</i>	-30.50	
			<i>For >2,500 To 5,000, Deduct</i>	-42.70	
			<i>For >5,000, Deduct</i>	-54.90	
32 01 16 74			In Place Hot Reused Asphalt Paving (32 01 16)		
32 01 16 74-0001			Rejuvenate, Respread Asphalt Pavement (32 01 16 74)		
			Note: Includes direct loading into truck.		
32 01 16 74-0002	SY		Remove, Rejuvenate, Respread Asphalt Grindings To 1/2" Deep.....	9.96	
32 01 16 74-0003	SY		Remove, Rejuvenate, Respread Asphalt Grindings To 1/2" Deep, Previously Sealed Cold Tar.....	11.93	
32 01 16 74-0004	TON		Remove, Rejuvenate, Respread Asphalt Grindings.....	154.25	
32 01 16 74-0005			Reclamation, Pulverize And Blending With Existing (32 01 16 74)		
			Note: Includes direct loading into truck.		
32 01 16 74-0006	SY		Up To 2" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	12.04	
32 01 16 74-0007	SY		Up To 2" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	6.02	
32 01 16 74-0008	SY		Up To 2" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.01	
32 01 16 74-0009	SY		Up To 2" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	2.85	
32 01 16 74-0010	SY		>2" To 3" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.29	
32 01 16 74-0011	SY		>2" To 3" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	13.13	
32 01 16 74-0012	SY		>2" To 3" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	6.57	
32 01 16 74-0013	SY		>2" To 3" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.09	
32 01 16 74-0014	SY		>3" To 4" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	14.45	
32 01 16 74-0015	SY		>3" To 4" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	7.23	
32 01 16 74-0016	SY		>3" To 4" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.61	
32 01 16 74-0017	SY		>3" To 4" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.34	
32 01 16 74-0018	SY		>4" To 8" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	15.76	
32 01 16 74-0019	SY		>4" To 8" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	7.88	
32 01 16 74-0020	SY		>4" To 8" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.94	
32 01 16 74-0021	SY		>4" To 8" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.68	
32 01 16 74-0022	EA		Mobilization And Demobilization For Reclamation, Pulverizing And Blending Crew.....	1,354.70	



	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 01 17 Flexible Paving Repair ^(32 01)
See CSI section 32 12 16 00-0000 for large area resurfacing.

32 01 17 61 Sealing Cracks In Asphalt Paving ^(32 01 17)
Note: Includes removing loose materials and cleaning.

32 01 17 61-0001	Hot-Applied, Pourable, Self-Adhesive Asphalt Binder Compounded With Standard Weight Aggregate Longitudinal Crack And Sealing Repair ^(32 01 17 61) Note: Includes sweeping and cleaning of area.		
32 01 17 61-0002	LF Up To 200 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler..... Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	1.28	
	For 3/4" x 1/2" Fill, Add	0.34	
	For 1" x 1/2" Fill, Add	0.63	
	For Backer Rod, Add	0.71	
32 01 17 61-0003	LF >200 To 500 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler..... Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	1.04	
	For 3/4" x 1/2" Fill, Add	0.28	
	For 1" x 1/2" Fill, Add	0.52	
	For Backer Rod, Add	0.65	
32 01 17 61-0004	LF >500 To 2,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	0.83	
	For 3/4" x 1/2" Fill, Add	0.23	
	For 1" x 1/2" Fill, Add	0.43	
	For Backer Rod, Add	0.59	
32 01 17 61-0005	LF >2,000 To 5,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	0.71	
	For 3/4" x 1/2" Fill, Add	0.20	
	For 1" x 1/2" Fill, Add	0.37	
	For Backer Rod, Add	0.56	
32 01 17 61-0006	LF >5,000 To 10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	0.64	
	For 3/4" x 1/2" Fill, Add	0.18	
	For 1" x 1/2" Fill, Add	0.33	
	For Backer Rod, Add	0.53	
32 01 17 61-0007	LF >10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	0.58	
	For 3/4" x 1/2" Fill, Add	0.16	
	For 1" x 1/2" Fill, Add	0.30	
	For Backer Rod, Add	0.50	
32 01 17 61-0008	LF Up To 200 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	2.34	
32 01 17 61-0009	LF >200 To 500 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.88	
32 01 17 61-0010	LF >500 To 2,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.44	
32 01 17 61-0011	LF >2,000 To 5,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.27	
32 01 17 61-0012	LF >5,000 To 10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.16	
32 01 17 61-0013	LF >10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.06	
32 01 17 61-0014	LF For Routing And Cleaning Of Crack, Add Per 1/2" Depth.....	0.43	

32 01 17 63 Pavement Repair ^(32 01 17)

32 01 17 63-0001	Temporary Pot Hole Repair ^(32 01 17 63) Note: Includes removal of loose material and moisture, bonding agent, compaction, safety cones and hauling up to 15 miles. Excludes signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0036 for hauling greater than 15 miles.		
32 01 17 63-0002	EA Temporary Pot Hole Repairs With Cold Mix Modified, Up To 3 Tons	1,448.18	
32 01 17 63-0003	TON Temporary Pot Hole Repairs With Cold Mix Modified..... Note: Use for each ton over 3 tons.	440.82	
32 01 17 63-0004	EA Temporary Pot Hole Repairs With Cold Mix, Up To 3 Tons.....	1,373.66	
32 01 17 63-0005	TON Temporary Pot Hole Repairs With Cold Mix	415.98	
	Note: Use for each ton over 3 tons.		
32 01 17 63-0006	EA Temporary Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons	1,336.40	
32 01 17 63-0007	TON Temporary Pot Hole Repairs With Hot Mix Modified..... Note: Use for each ton over 3 tons.	403.56	
32 01 17 63-0008	EA Temporary Pot Hole Repairs With Hot Mix, Up To 3 Tons	1,299.14	
32 01 17 63-0009	TON Temporary Pot Hole Repairs With Hot Mix	391.14	
	Note: Use for each ton over 3 tons.		

32 01 17 63-0010 Permanent Pot Hole Repair ^(32 01 17 63)

Note: Includes removal of loose material and moisture, saw cutting, chipping, squaring off, bonding agent, compaction and hauling up to 15 miles Tasks do not include signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0036 for hauling greater than 15 miles.			
32 01 17 63-0011	EA Permanent Pot Hole Repairs With Cold Mix, Up To 3 Tons	1,517.36	
32 01 17 63-0012	TON Permanent Pot Hole Repairs With Cold Mix	493.88	
	Note: Use for each ton over 3 tons.		
32 01 17 63-0013	EA Permanent Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons.....	1,480.10	
32 01 17 63-0014	TON Permanent Pot Hole Repairs With Hot Mix Modified	481.46	
	Note: Use for each ton over 3 tons.		
32 01 17 63-0015	EA Permanent Pot Hole Repairs With Hot Mix, Up To 3 Tons	1,442.84	
32 01 17 63-0016	TON Permanent Pot Hole Repairs With Hot Mix	469.04	
	Note: Use for each ton over 3 tons.		

32 Exterior Improvements
32 01 Operation And Maintenance Of Exterior Improvements
 32 01 17 Flexible Paving Repair



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 01 17 63-0017 Asphalt Placement For Small Repairs (32 01 17 63)
 Note: This section is used for placing up to 100 tons of asphalt after a small area of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc. Includes mobilization of paving equipment such as a roller, placing the asphalt, compaction and hauling up to 15 miles. Excludes saw cutting, demolition of existing pavement, and new subbase material. Use approximately 0.055 tons per square yard per inch of depth. See CSI section 02 41 19 13-0001 for saw cutting, 32 12 16 13-0000 for areas requiring more than 100 tons.

32 01 17 63-0018	EA	Asphalt Placement For Small Repair Areas, Cold Mix Modified, Up To 3 Tons.....	1,977.71
Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.			
32 01 17 63-0019	TON	Asphalt Placement For Small Repair Areas, Cold Mix Modified.....	273.46
Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.			
32 01 17 63-0020	EA	Asphalt Placement For Small Repair Areas, Cold Mix, Up To 3 Tons	1,903.19
Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.			
32 01 17 63-0021	TON	Asphalt Placement For Small Repair Areas, Cold Mix	248.62
Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.			
32 01 17 63-0022	EA	Asphalt Placement For Small Repair Areas, Hot Mix Modified, Up To 3 Tons.....	1,865.93
Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.			
32 01 17 63-0023	TON	Asphalt Placement For Small Repair Areas, Hot Mix Modified	236.20
Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.			
32 01 17 63-0024	EA	Asphalt Placement For Small Repair Areas, Hot Mix, Up To 3 Tons	1,828.67
Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.			
32 01 17 63-0025	TON	Asphalt Placement For Small Repair Areas, Hot Mix.....	223.78
Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.			

32 01 17 63-0026 Grind Asphalt (32 01 17 63)

32 01 17 63-0027	SY	Grinding Asphalt To Level Bump Or Raised Area.....	17.47
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32 01 26 Rigid Paving Rehabilitation (32 01)

32 01 26 71 Grooving Of Concrete Paving (32 01 26)

32 01 26 71-0001 Roadway Grooving (32 01 26 71)

32 01 26 71-0002	EA	First 500 SY Of Pavement Grooving, Concrete, Longitudinal	3,088.71
32 01 26 71-0003	SY	Each SY Over First 500 SY Of Pavement Grooving, Concrete, Longitudinal	2.86
32 01 26 71-0004	EA	First 500 SY Of Pavement Grooving, Concrete, Traverse	3,440.93
32 01 26 71-0005	SY	Each SY Over First 500 SY Of Pavement Grooving, Concrete, Traverse.....	3.73

32 01 26 71-0006 Rumble Strips (32 01 26 71)

32 01 26 71-0007	EA	First 5280 LF Of MIARDS, Rumble Strips, Asphalt.....	3,524.97
32 01 26 71-0008	LF	Each LF Over First 5280 LF Of MIARDS, Rumble Strips, Asphalt.....	0.64
<i>For > 52500, Deduct</i> -0.10			
32 01 26 71-0009	EA	First 2000 LF Of MIARDS, Rumble Strips, Concrete	3,928.26
32 01 26 71-0010	LF	Each LF Over First 2000 LF Of MIARDS, Rumble Strips, Concrete	0.72
<i>For > 20000, Deduct</i> -0.09			

32 01 26 71-0011 Boat Ramps Grooving (32 01 26 71)

32 01 26 71-0012	SY	Concrete Grooving, Boat Ramps	1.62
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32 01 90 Operation And Maintenance Of Planting (32 01)

Note: These tasks are to be used as requested by the owner to maintain existing conditions.

32 01 90 13 Fertilizing (32 01 90)

32 01 90 13-0001	MSF	Fertilizer - 2 LB Of Nitrogen/MSF (Granular)	10.65
32 01 90 13-0002	MSF	Fertilizer - 2 LB Of Nitrogen/MSF (Liquid).....	8.51
32 01 90 13-0003	MSF	Fertilizer - 0.5 LB Of Nitrogen/MSF (Granular).....	9.15
32 01 90 13-0004	MSF	Fertilizer - 0.5 LB Of Nitrogen/MSF (Liquid).....	7.73

32 01 90 19 Mowing (32 01 90)

32 01 90 19-0001	ACR	Vegetation Cutting By Bush Hog.....	161.24
Note: Includes normal debris removal, cutting, and trimming.			
<i>For <1 Acre, Add</i> 40.31			
32 01 90 19-0002	MSF	Mowing Vegetation With Riding Mower, >20,000 To 45,000 SF	5.56
<i>For Light Brush Areas, Deduct</i> -0.83			
<i>For Heavy Brush Areas, Add</i> 1.11			
32 01 90 19-0003	MSF	Mowing Vegetation With Riding Mower, >45,000 SF	4.30
<i>For Light Brush Areas, Deduct</i> -0.65			
<i>For Heavy Brush Areas, Add</i> 0.86			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 19-0004 MSF Clear Vegetation With Weed Trimmer, Up To 1,000 SF	19.63	
<i>For Light Brush Areas, Deduct</i>	-2.94	
<i>For Heavy Brush Areas, Add</i>	3.93	
<i>For Work On Slopes >2:1, Add</i>	4.91	
<i>For Clearing Light Brush, Add</i>	2.94	
32 01 90 19-0005 MSF Clear Vegetation With Weed Trimmer, >1,000 SF	16.49	
<i>For Light Brush Areas, Deduct</i>	-2.47	
<i>For Heavy Brush Areas, Add</i>	3.30	
<i>For Work On Slopes >2:1, Add</i>	4.12	
<i>For Clearing Light Brush, Add</i>	2.47	
32 01 90 19-0006 MSF Blow Or Vacuum Dispersed Non-Native Seed After Bulk Of Biomass Removed	16.39	
<i>For Light Brush Areas, Deduct</i>	-2.46	
<i>For Heavy Brush Areas, Add</i>	3.28	

32 01 90 23 Pruning (32 01 90)

32 01 90 23-0001 Tree Pruning (32 01 90 23)

Note: Types of pruning for mature trees (these standards are established by the ISA - International Society of Arboriculture) 1. CROWN CLEANING - Crown cleaning or cleaning out is the removal of dead, dying, diseased, crowded, weakly attached, and low-vigor branches and waterspouts from a tree crown. 2. CROWN THINNING - Crown thinning includes crown cleaning and the selective removal of branches to increase light penetration and air movement into the crown. Increased light and air stimulates and maintains interior foliage, which in turn improves branch taper and strength. Thinning reduces the wind-sail effect of the crown and the weight of the heavy limbs. Thinning the crown can emphasize the structural beauty of the trunk and branches as well as improve the growth of plants beneath the tree by increasing light penetration. When thinning the crown of mature trees, seldom should more than one-third of the live foliage be removed. At least one-half of the foliage should be on branches that arise in the lower two-thirds of the trees. Likewise, when thinning laterals from a limb, an effort should be made to retain inner lateral branches and leave the same distribution of foliage along the branch. Trees and branches so pruned will have stress more evenly distributed throughout the tree or along a branch. 3. CROWN RAISING - Crown raising removes the lower branches of a tree in order to provide clearance for buildings, vehicles, pedestrians, and vistas. It is important that a tree have at least one-half of its foliage on branches that originate in the lower two-thirds of its trunk to ensure a well-formed, tapered structure and to uniformly distribute stress within a tree. When pruning for view, it is preferable to develop "windows" through the foliage of the tree, rather than to severely raise or reduce the crown. 4. CROWN REDUCTION - Crown reduction is used to reduce the height and/or spread of a tree. Thinning cuts are most effective in maintaining the structural integrity and natural form of a tree and in delaying the time when it will need to be pruned again. The lateral to which a branch or trunk is cut should be at least one-half the diameter of the cut being made. 5. CROWN RESTORATION - Crown restoration can improve the structure and appearance of trees that have been topped or severely pruned using heading cuts. One to three sprouts on main branch stubs should be selected to reform a more natural appearing crown. Selected vigorous sprouts may need to be thinned to a lateral, or even headed, to control length growth in order to ensure adequate attachment for the size of the sprout. Restoration may require several pruning's over a number of years. Includes loading onto truck or dumpster.

32 01 90 23-0002 EA Tree Pruning (Crown Cleaning), 1-1/2" Caliper	25.03
<i>For Crown Thinning, Tree Pruning, Add</i>	5.63
<i>For Crown Raising, Pruning, Add</i>	8.76
<i>For Crown Reduction, Tree Pruning, Add</i>	11.26
<i>For Crown Restoration, Pruning, Add</i>	16.69
32 01 90 23-0003 EA Tree Pruning (Crown Cleaning), 2" Caliper	28.60
<i>For Crown Thinning, Tree Pruning, Add</i>	6.44
<i>For Crown Raising, Pruning, Add</i>	10.01
<i>For Crown Reduction, Tree Pruning, Add</i>	12.87
<i>For Crown Restoration, Pruning, Add</i>	19.07
32 01 90 23-0004 EA Tree Pruning (Crown Cleaning), 2-1/2" Caliper	32.18
<i>For Crown Thinning, Tree Pruning, Add</i>	7.24
<i>For Crown Raising, Pruning, Add</i>	11.26
<i>For Crown Reduction, Tree Pruning, Add</i>	14.48
<i>For Crown Restoration, Pruning, Add</i>	21.45
32 01 90 23-0005 EA Tree Pruning (Crown Cleaning), 3" Caliper	35.76
<i>For Crown Thinning, Tree Pruning, Add</i>	8.05
<i>For Crown Raising, Pruning, Add</i>	12.52
<i>For Crown Reduction, Tree Pruning, Add</i>	16.09
<i>For Crown Restoration, Pruning, Add</i>	23.84
32 01 90 23-0006 EA Tree Pruning (Crown Cleaning), 4" Caliper, By Hand	54.33
<i>For Crown Thinning, Tree Pruning, Add</i>	12.22
<i>For Crown Raising, Pruning, Add</i>	19.02
<i>For Crown Reduction, Tree Pruning, Add</i>	24.45
<i>For Crown Restoration, Pruning, Add</i>	36.22
32 01 90 23-0007 EA Tree Pruning (Crown Cleaning), 4" Caliper, Aerial Lift Equipment	89.19
<i>For Crown Thinning, Tree Pruning, Add</i>	20.07
<i>For Crown Raising, Pruning, Add</i>	31.22
<i>For Crown Reduction, Tree Pruning, Add</i>	40.14
<i>For Crown Restoration, Pruning, Add</i>	59.46
32 01 90 23-0008 EA Tree Pruning (Crown Cleaning), 6" Caliper, By Hand	95.09
<i>For Crown Thinning, Tree Pruning, Add</i>	21.40
<i>For Crown Raising, Pruning, Add</i>	33.28
<i>For Crown Reduction, Tree Pruning, Add</i>	42.79
<i>For Crown Restoration, Pruning, Add</i>	63.40
32 01 90 23-0009 EA Tree Pruning (Crown Cleaning), 6" Caliper, Aerial Lift Equipment	169.89
<i>For Crown Thinning, Tree Pruning, Add</i>	38.23
<i>For Crown Raising, Pruning, Add</i>	59.46
<i>For Crown Reduction, Tree Pruning, Add</i>	76.45
<i>For Crown Restoration, Pruning, Add</i>	113.27

32 Exterior Improvements**32 01 Operation And Maintenance Of Exterior Improvements****32 01 90 Operation And Maintenance Of Planting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 23-0010 EA Tree Pruning (Crown Cleaning), 9" Caliper, By Hand.....	152.26	
<i>For Crown Thinning, Tree Pruning, Add</i>	34.26	
<i>For Crown Raising, Pruning, Add</i>	53.29	
<i>For Crown Reduction, Tree Pruning, Add</i>	68.52	
<i>For Crown Restoration, Pruning, Add</i>	101.51	
32 01 90 23-0011 EA Tree Pruning (Crown Cleaning), 9" Caliper, Aerial Lift Equipment.....	271.75	
<i>For Crown Thinning, Tree Pruning, Add</i>	61.14	
<i>For Crown Raising, Pruning, Add</i>	95.11	
<i>For Crown Reduction, Tree Pruning, Add</i>	122.29	
<i>For Crown Restoration, Pruning, Add</i>	181.18	
32 01 90 23-0012 EA Tree Pruning (Crown Cleaning), 12" Caliper, By Hand.....	175.95	
<i>For Crown Thinning, Tree Pruning, Add</i>	39.59	
<i>For Crown Raising, Pruning, Add</i>	61.58	
<i>For Crown Reduction, Tree Pruning, Add</i>	79.18	
<i>For Crown Restoration, Pruning, Add</i>	117.31	
32 01 90 23-0013 EA Tree Pruning (Crown Cleaning), 12" Caliper, Aerial Lift Equipment.....	314.26	
<i>For Crown Thinning, Tree Pruning, Add</i>	70.71	
<i>For Crown Raising, Pruning, Add</i>	109.99	
<i>For Crown Reduction, Tree Pruning, Add</i>	141.42	
<i>For Crown Restoration, Pruning, Add</i>	209.52	
32 01 90 23-0014 EA Tree Pruning (Crown Cleaning), 18" Caliper By Hand.....	204.53	
<i>For Crown Thinning, Tree Pruning, Add</i>	46.02	
<i>For Crown Raising, Pruning, Add</i>	71.59	
<i>For Crown Reduction, Tree Pruning, Add</i>	92.04	
<i>For Crown Restoration, Pruning, Add</i>	136.36	
32 01 90 23-0015 EA Tree Pruning (Crown Cleaning), 18" Caliper By Hand, Aerial Lift Equipment.....	365.23	
<i>For Crown Thinning, Tree Pruning, Add</i>	82.18	
<i>For Crown Raising, Pruning, Add</i>	127.83	
<i>For Crown Reduction, Tree Pruning, Add</i>	164.35	
<i>For Crown Restoration, Pruning, Add</i>	243.50	
32 01 90 23-0016 EA Tree Pruning (Crown Cleaning), 24" Caliper, By Hand.....	248.96	
<i>For Crown Thinning, Tree Pruning, Add</i>	56.02	
<i>For Crown Raising, Pruning, Add</i>	87.14	
<i>For Crown Reduction, Tree Pruning, Add</i>	112.03	
<i>For Crown Restoration, Pruning, Add</i>	165.98	
32 01 90 23-0017 EA Tree Pruning (Crown Cleaning), 24" Caliper, Aerial Lift Equipment.....	441.74	
<i>For Crown Thinning, Tree Pruning, Add</i>	99.39	
<i>For Crown Raising, Pruning, Add</i>	154.61	
<i>For Crown Reduction, Tree Pruning, Add</i>	198.78	
<i>For Crown Restoration, Pruning, Add</i>	294.51	
32 01 90 23-0018 EA Tree Pruning (Crown Cleaning), 30" Caliper, By Hand.....	309.27	
<i>For Crown Thinning, Tree Pruning, Add</i>	69.59	
<i>For Crown Raising, Pruning, Add</i>	108.24	
<i>For Crown Reduction, Tree Pruning, Add</i>	139.17	
<i>For Crown Restoration, Pruning, Add</i>	206.19	
32 01 90 23-0019 EA Tree Pruning (Crown Cleaning), 30" Caliper, Aerial Lift Equipment.....	556.73	
<i>For Crown Thinning, Tree Pruning, Add</i>	125.26	
<i>For Crown Raising, Pruning, Add</i>	194.86	
<i>For Crown Reduction, Tree Pruning, Add</i>	250.53	
<i>For Crown Restoration, Pruning, Add</i>	371.17	
32 01 90 23-0020 EA Tree Pruning (Crown Cleaning), 36" Caliper, By Hand.....	423.60	
<i>For Crown Thinning, Tree Pruning, Add</i>	95.31	
<i>For Crown Raising, Pruning, Add</i>	148.26	
<i>For Crown Reduction, Tree Pruning, Add</i>	190.62	
<i>For Crown Restoration, Pruning, Add</i>	282.41	
32 01 90 23-0021 EA Tree Pruning (Crown Cleaning), 36" Caliper, Aerial Lift Equipment.....	754.56	
<i>For Crown Thinning, Tree Pruning, Add</i>	169.78	
<i>For Crown Raising, Pruning, Add</i>	264.10	
<i>For Crown Reduction, Tree Pruning, Add</i>	339.55	
<i>For Crown Restoration, Pruning, Add</i>	503.07	
32 01 90 23-0022 EA Tree Pruning (Crown Cleaning), 48" Caliper, By Hand.....	672.02	
<i>For Crown Thinning, Tree Pruning, Add</i>	151.20	
<i>For Crown Raising, Pruning, Add</i>	235.21	
<i>For Crown Reduction, Tree Pruning, Add</i>	302.41	
<i>For Crown Restoration, Pruning, Add</i>	448.04	
32 01 90 23-0023 EA Tree Pruning (Crown Cleaning), 48" Caliper, Aerial Lift Equipment.....	1,213.45	
<i>For Crown Thinning, Tree Pruning, Add</i>	273.03	
<i>For Crown Raising, Pruning, Add</i>	424.71	
<i>For Crown Reduction, Tree Pruning, Add</i>	546.05	
<i>For Crown Restoration, Pruning, Add</i>	809.01	
32 01 90 23-0024 EA Trim Mexican Palm Tree.....	75.81	
32 01 90 23-0025 EA Trim Date Palm Tree.....	171.06	
32 01 90 23-0026 LF Skin Palm Tree.....	19.44	
32 01 90 23-0027 Shrub Pruning <small>(32 01 90 23)</small>		
32 01 90 23-0028 MSF Shrub Pruning, Prune, Shrub Bed.....	81.47	
32 01 90 23-0029 EA Shrub Pruning, Prune, Shrub Under 3' Height.....	2.86	
32 01 90 23-0030 EA Shrub Pruning, Prune, Shrub 4' Height.....	6.43	
32 01 90 23-0031 EA Shrub Pruning, Prune, Shrub Over 6'.....	11.44	
32 01 90 23-0032 EA Shrub Pruning, Prune Trees From Ground.....	28.60	
32 01 90 23-0033 EA Shrub Pruning, Prune Trees From Ground, High Work.....	71.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 23-0034		
Root Pruning <small>(32 01 90 23)</small>		
Note: Cut roots cleanly after excavation with clean, sharp tools, to promote callus formation and wound closure. Wounds to be dressed with a tree rooting hormone compound. Mix soil improvements (e.g., peat moss) with fill soil to promote new root growth. Backfill the excavation and water the soil around the roots to avoid leaving air pockets.		
32 01 90 23-0035 EA Root Pruning, One Side Of Up To 1-1/2" Caliper Tree	14.30	
32 01 90 23-0036 EA Root Pruning, One Side Of 2" Caliper Tree	17.88	
32 01 90 23-0037 EA Root Pruning, One Side Of 2-1/2" Caliper Tree	21.45	
32 01 90 23-0038 EA Root Pruning, One Side Of 3" Caliper Tree	28.60	
32 01 90 23-0039 EA Root Pruning, One Side Of 4" Caliper Tree	42.90	
32 01 90 23-0040 EA Root Pruning, One Side Of 6" Caliper Tree	53.62	
32 01 90 23-0041 EA Root Pruning, One Side Of 9" Caliper Tree	75.08	
32 01 90 23-0042 EA Root Pruning, One Side Of 12" Caliper Tree	85.80	
32 01 90 23-0043 EA Root Pruning, One Side Of 18" Caliper Tree	100.11	
32 01 90 23-0044 EA Root Pruning, One Side Of 24" Caliper Tree	125.12	
32 01 90 23-0045 EA Root Pruning, One Side Of 30" Caliper Tree	153.73	
32 01 90 23-0046 EA Root Pruning, One Side Of 36" Caliper Tree	178.76	
32 01 90 23-0047 EA Root Pruning, One Side Of 48" Caliper Tree	214.50	
32 01 90 26		
Watering <small>(32 01 90)</small>		
Note: Includes delivered water. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant.		
32 01 90 26-0001		
Watering Lawns, Plants And Trees <small>(32 01 90 26)</small>		
Note: Includes delivered water and watering truck. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant. These tasks are to be used as requested by the owner for extended watering period for lawns, plants and trees.		
32 01 90 26-0002 MSF Watering Sod/Grass, Per Inch Of Water	34.29	
32 01 90 26-0003 CSF Watering Groundcover.....	5.39	
32 01 90 26-0004 CSF Watering Annuals And Perennials	9.65	
32 01 90 26-0005 EA Watering Trees, 1-1/2" To 5" Diameter By Hand	18.91	
32 01 90 26-0006 EA Watering Trees, 6" To 12" Diameter By Hand	24.85	
32 01 90 26-0007 EA Watering Trees, 13" To 18" Diameter By Hand	30.78	
32 01 90 26-0008 EA Watering Trees, >18" Diameter By Hand.....	37.90	
32 01 90 26-0009 EA Watering Shrub Or Bush By Hand.....	9.49	
32 01 90 36		
Weed And Brush Control <small>(32 01 90)</small>		
32 01 90 36-0001		
Herbicide, Push Or Hand Spreader Applied <small>(32 01 90 36)</small>		
32 01 90 36-0002 MSF Non-Selective Post Emergent Weed Herbicide (70.4 oz/acre or 1.62 oz/MSF)	6.44	
<i>For >45 To 90, Deduct</i>	-0.34	
<i>For >90 To 225, Deduct</i>	-0.99	
<i>For >225 To 870, Deduct</i>	-1.63	
<i>For >870, Deduct</i>	-1.98	
32 01 90 36-0003 MSF Non-Selective Post Emergent Woody Brush And Tree Herbicide (128 oz/acre or 2.94 oz/MSF)	6.80	
<i>For >45 To 90, Deduct</i>	-0.38	
<i>For >90 To 225, Deduct</i>	-1.06	
<i>For >225 To 870, Deduct</i>	-1.74	
<i>For >870, Deduct</i>	-2.12	
32 01 90 36-0004 MSF Selective Weed Herbicide (56 oz/Acre or 1.28 oz/MSF)	6.78	
Note: Includes pre and post emergent.		
<i>For >45 To 90, Deduct</i>	-0.38	
<i>For >90 To 225, Deduct</i>	-1.06	
<i>For >225 To 870, Deduct</i>	-1.73	
<i>For >870, Deduct</i>	-2.11	
32 01 90 36-0005 MSF Selective Woody Brush And Tree Herbicide (72 oz/acre or 1.65 oz/MSF)	7.01	
Note: Includes pre and post emergents.		
<i>For >45 To 90, Deduct</i>	-0.40	
<i>For >90 To 225, Deduct</i>	-1.10	
<i>For >225 To 870, Deduct</i>	-1.80	
<i>For >870, Deduct</i>	-2.21	
32 01 90 39		
Pesticides <small>(32 01 90)</small>		
32 01 90 39-0001 MSF Pesticide - Surface Eating.....	8.68	
32 01 90 39-0002 MSF Pesticide - Subsurface Eating.....	8.69	
32 01 90 39-0003 MSF Pesticide - Fungicide Application	9.03	
32 01 90 43		
Weed And Cultivate <small>(32 01 90)</small>		
32 01 90 43-0001 MSF Weed Mulched Bed	35.06	
32 01 90 43-0002 MSF Weed Unmulched Bed.....	100.17	
32 01 90 43-0003 MSF Cultivate Bed	53.94	
32 01 90 46		
Hedge Trimming <small>(32 01 90)</small>		
32 01 90 46-0001 LF Trim 0-5' High Hedge, 0-3' Wide.....	4.63	
32 01 90 46-0002 LF Trim 0-5' High Hedge, 4-6' Wide.....	6.93	
32 01 90 46-0003 LF Trim 5-10' High Hedge, 0-3' Wide.....	10.50	
32 01 90 46-0004 LF Trim 5-10' High Hedge, 4-6' Wide.....	10.70	

32 Exterior Improvements**32 01 Operation And Maintenance Of Exterior Improvements****32 01 90 Operation And Maintenance Of Planting**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**32 01 90 53 Plant Growth Regulator Application (32 01 90)**

32 01 90 53-0001 EA Plant Growth Regulator Application4.28

32 10 Bases, Ballasts, And Paving (32)**32 11 Base Courses (32 10)****32 11 16 Subbase Courses (32 11)****32 11 16 16 Aggregate Subbase Courses (32 11 16)****32 11 16 16-0001 Base And Subbase Courses For Roadways And Parking Areas (32 11 16 16)**

Note: Includes 3/4" To 1-1/2" aggregate material, hauling up to 15 miles, dumping, spreading, grading, compacting and watering. See CSI section 01 74 19 00-0036 for hauling greater than 15 miles.

32 11 16 16-0002 Base And Subbase Courses By The CY (32 11 16 16-0001)32 11 16 16-0003 CY Class II Graded Crushed Aggregate Roadway Base Course 64.17
32 11 16 16-0004 CY Class III Graded Crushed Aggregate Roadway Base Course 62.31**32 11 23 Aggregate Base Courses (32 11)****32 11 23 16 Aggregate Base Courses (32 11 23)****32 11 23 16-0001 Base Courses For Sidewalk (Asphalt Or Concrete) (32 11 23 16)**

Note: Includes material, hauling up to 15 miles, placement, spreading, grading, and compaction. See CSI section 01 74 19 00-0036 for hauling greater than 15 miles.

32 11 23 16-0002	SF	2" Crushed Aggregate Base Course For Sidewalks	.....	0.43
		For Up To 1,000, Add		0.12
		For >1,000 To 2,500, Add		0.04
32 11 23 16-0003	SF	3" Crushed Aggregate Base Course For Sidewalks	.....	0.62
		For Up To 1,000, Add		0.18
		For >1,000 To 2,500, Add		0.06
32 11 23 16-0004	SF	4" Crushed Aggregate Base Course For Sidewalks	.....	0.80
		For Up To 1,000, Add		0.23
		For >1,000 To 2,500, Add		0.08
32 11 23 16-0005	SF	5" Crushed Aggregate Base Course For Sidewalks	.....	1.02
		For Up To 1,000, Add		0.29
		For >1,000 To 2,500, Add		0.10
32 11 23 16-0006	SF	6" Crushed Aggregate Base Course For Sidewalks	.....	1.26
		For Up To 1,000, Add		0.36
		For >1,000 To 2,500, Add		0.13
32 11 23 16-0007	SF	7" Crushed Aggregate Base Course For Sidewalks	.....	1.45
		For Up To 1,000, Add		0.41
		For >1,000 To 2,500, Add		0.15
32 11 23 16-0008	SF	8" Crushed Aggregate Base Course For Sidewalks	.....	1.65
		For Up To 1,000, Add		0.47
		For >1,000 To 2,500, Add		0.17

32 11 26 Asphaltic Base Courses (32 11)**32 11 26 19 Bituminous-Stabilized Base Courses (32 11 26)****32 11 26 19-0001 Bituminous-Stabilized Base Courses (32 11 26 19)**32 11 26 19-0002 CY Bituminous Stabilized Base Course100.51
Note: 3/4" ASTM C33.**32 12 Flexible Paving (32 10)****32 12 13 Preparatory Coats (32 12)****32 12 13 13 Tack Coats (32 12 13)**

32 12 13 13-0001	SY	Tack Coat, 0.04 Gallon/SY	.....	0.45
		For Up To 150, Add		0.08
		For >150 To 300, Add		0.05
		For >300 To 500, Add		0.02
		For >3,500 To 5,000, Deduct		-0.01
		For >5,000, Deduct		-0.03
32 12 13 13-0002	SY	Tack Coat, 0.05 Gallon/SY	.....	0.49
		For Up To 150, Add		0.09
		For >150 To 300, Add		0.05
		For >300 To 500, Add		0.02
		For >3,500 To 5,000, Deduct		-0.01
		For >5,000, Deduct		-0.03
32 12 13 13-0003	SY	Tack Coat, 0.07 Gallon/SY	.....	0.57
		For Up To 150, Add		0.11
		For >150 To 300, Add		0.06
		For >300 To 500, Add		0.03
		For >3,500 To 5,000, Deduct		-0.01
		For >5,000, Deduct		-0.04



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 13 13-0004 SY Tack Coat, 0.08 Gallon/SY	0.61	
<i>For Up To 150, Add</i>	0.12	
<i>For >150 To 300, Add</i>	0.06	
<i>For >300 To 500, Add</i>	0.03	
<i>For >3,500 To 5,000, Deduct</i>	-0.02	
<i>For >5,000, Deduct</i>	-0.04	
32 12 13 13-0005 SY Tack Coat, 0.10 Gallon/SY	0.69	
<i>For Up To 150, Add</i>	0.14	
<i>For >150 To 300, Add</i>	0.07	
<i>For >300 To 500, Add</i>	0.03	
<i>For >3,500 To 5,000, Deduct</i>	-0.02	
<i>For >5,000, Deduct</i>	-0.04	
32 12 13 13-0006 SY Tack Coat, 0.11 Gallon/SY	0.74	
<i>For Up To 150, Add</i>	0.16	
<i>For >150 To 300, Add</i>	0.07	
<i>For >300 To 500, Add</i>	0.04	
<i>For >3,500 To 5,000, Deduct</i>	-0.02	
<i>For >5,000, Deduct</i>	-0.05	
32 12 13 19 Prime Coats <small>(32 12 13)</small>		
32 12 13 19-0001 SY Surface Prime Coat, 0.26 Gallon/SY	1.22	
<i>For Up To 150, Add</i>	0.27	
<i>For >150 To 300, Add</i>	0.12	
<i>For >300 To 500, Add</i>	0.06	
<i>For >3,500 To 5,000, Deduct</i>	-0.03	
<i>For >5,000, Deduct</i>	-0.08	
32 12 13 19-0002 SY Surface Prime Coat, 0.28 Gallon/SY	1.28	
<i>For Up To 150, Add</i>	0.29	
<i>For >150 To 300, Add</i>	0.13	
<i>For >300 To 500, Add</i>	0.06	
<i>For >3,500 To 5,000, Deduct</i>	-0.03	
<i>For >5,000, Deduct</i>	-0.09	
32 12 13 19-0003 SY Surface Prime Coat, 0.30 Gallon/SY	1.35	
<i>For Up To 150, Add</i>	0.30	
<i>For >150 To 300, Add</i>	0.14	
<i>For >300 To 500, Add</i>	0.07	
<i>For >3,500 To 5,000, Deduct</i>	-0.03	
<i>For >5,000, Deduct</i>	-0.09	
32 12 16 Asphalt Paving <small>(32 12)</small>		
32 12 16 13 Plant-Mix Asphalt Paving <small>(32 12 16)</small>		
<p>Note: Includes delivery up to 15 miles, placement, rolling, finishing and sweeping. Excludes base, tack or price coat, seal coats and roadway fabrics (where required). See CSI section 01 74 19 00-0036 for hauling greater than 15 miles, 32 11 00 00-0000 for base courses, 32 12 13 13-0000 for tack coats, 32 12 13 19-0000 for prime coats, 32 12 16 39-0000 for roadway fabrics, 32 12 36 00-0000 for seal coats.</p>		
32 12 16 13-0001 Intermediate Binder Courses, Hot Mix Asphalt (HMA) <small>(32 12 16 13)</small>		
<p>Note: Meets Caltrans requirements.</p>		
32 12 16 13-0002 TON Bituminous Hot Mix Intermediate Course 3,954 LB/CY	136.81	
<p>Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.</p>		
<i>For PG64-10 Asphalt, Add</i>	17.12	
<i>For >500 To 1,000, Deduct</i>	-6.08	
<i>For >1,000 To 2,500, Deduct</i>	-11.01	
<i>For >2,500 To 5,000, Deduct</i>	-17.09	
<i>For >5,000, Deduct</i>	-24.50	
<i>For Warm Mix Additive, Add</i>	7.42	
32 12 16 13-0003 SY 1" Thick Bituminous Hot Mix Binder Course	7.91	
<p>Note: Includes placement, rolling, finishing and sweeping.</p>		
<i>For PG64-10 Asphalt, Add</i>	0.94	
<i>For >10,000 To 20,000, Deduct</i>	-0.35	
<i>For >20,000 To 50,000, Deduct</i>	-0.63	
<i>For >50,000 To 100,000, Deduct</i>	-0.98	
<i>For >100,000, Deduct</i>	-1.40	
32 12 16 13-0004 SY 1-1/2" Thick Bituminous Hot Mix Binder Course	11.69	
<p>Note: Includes placement, rolling, finishing and sweeping.</p>		
<i>For PG64-10 Asphalt, Add</i>	1.41	
<i>For >7,000 To 14,000, Deduct</i>	-0.52	
<i>For >14,000 To 32,000, Deduct</i>	-0.94	
<i>For >32,000 To 64,000, Deduct</i>	-1.45	
<i>For >64,000, Deduct</i>	-2.09	
32 12 16 13-0005 SY 2" Thick Bituminous Hot Mix Binder Course	15.45	
<p>Note: Includes placement, rolling, finishing and sweeping.</p>		
<i>For PG64-10 Asphalt, Add</i>	1.88	
<i>For Up To 500, Add</i>	2.07	
<i>For >500 To 1,000, Add</i>	1.14	
<i>For >5,000 To 10,000, Deduct</i>	-0.68	
<i>For >10,000 To 24,000, Deduct</i>	-1.24	
<i>For >24,000 To 48,000, Deduct</i>	-1.93	
<i>For >48,000, Deduct</i>	-2.77	

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 12	Flexible Paving



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 12 16 13-0006	SY	2-1/2" Thick Bituminous Hot Mix Binder Course	18.81
		Note: Includes placement, rolling, finishing and sweeping.	
		For PG64-10 Asphalt, Add	2.35
		For Up To 400, Add	2.45
		For >400 To 800, Add	1.33
		For >4,000 To 8,000, Deduct	-0.85
		For >8,000 To 20,000, Deduct	-1.54
		For >20,000 To 40,000, Deduct	-2.38
		For >40,000, Deduct	-3.42
32 12 16 13-0007	SY	3" Thick Bituminous Hot Mix Binder Course	22.20
		Note: Includes placement, rolling, finishing and sweeping.	
		For PG64-10 Asphalt, Add	2.82
		For Up To 300, Add	2.83
		For >300 To 600, Add	2.48
		For >3,000 To 6,000, Deduct	-1.01
		For >6,000 To 16,000, Deduct	-1.83
		For >16,000 To 32,000, Deduct	-2.84
		For >32,000, Deduct	-4.07
32 12 16 13-0008	SY	3-1/2" Thick Bituminous Hot Mix Binder Course	25.86
		Note: Includes placement, rolling, finishing and sweeping.	
		For PG64-10 Asphalt, Add	3.29
		For Up To 280, Add	3.29
		For >280 To 560, Add	1.78
		For >2,800 To 5,600, Deduct	-1.18
		For >5,600 To 14,000, Deduct	-2.13
		For >14,000 To 28,000, Deduct	-3.31
		For >28,000, Deduct	-4.74
32 12 16 13-0009	SY	4" Thick Bituminous Hot Mix Binder Course	29.60
		Note: Includes placement, rolling, finishing and sweeping.	
		For PG64-10 Asphalt, Add	3.76
		For Up To 250, Add	3.78
		For >250 To 500, Add	2.05
		For >2,500 To 5,000, Deduct	-1.34
		For >5,000 To 12,000, Deduct	-2.44
		For >12,000 To 24,000, Deduct	-3.78
		For >24,000, Deduct	-5.42
32 12 16 13-0010	SY	5" Thick Bituminous Hot Mix Binder Course	36.97
		Note: Includes placement, rolling, finishing and sweeping.	
		For PG64-10 Asphalt, Add	4.70
		For Up To 200, Add	4.71
		For >200 To 400, Add	2.55
		For >2,000 To 4,000, Deduct	-1.68
		For >4,000 To 10,000, Deduct	-3.05
		For >10,000 To 20,000, Deduct	-4.72
		For >20,000, Deduct	-6.77
32 12 16 13-0011	SY	6" Thick Bituminous Hot Mix Binder Course	44.40
		Note: Includes placement, rolling, finishing and sweeping.	
		For PG64-10 Asphalt, Add	5.64
		For Up To 160, Add	5.67
		For >160 To 320, Add	3.07
		For >1,600 To 3,200, Deduct	-2.02
		For >3,200 To 8,000, Deduct	-3.66
		For >8,000 To 16,000, Deduct	-5.67
		For >16,000, Deduct	-8.13
32 12 16 13-0012		Surface Courses, Hot Mix Asphalt (HMA) <small>(32 12 16 13)</small>	
		Note: Meets Caltrans requirements.	
32 12 16 13-0013	TON	Bituminous Hot Mix Surface Course 3954 LB/CY	137.27
		Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.	
		For PG64-10 Asphalt, Add	2.72
		For >500 To 1,000, Deduct	-5.91
		For >1,000 To 2,500, Deduct	-10.73
		For >2,500 To 5,000, Deduct	-16.64
		For >5,000, Deduct	-23.87
		For Warm Mix Additive, Add	7.08
32 12 16 13-0014	TON	Tire Rubber Modified Paving Asphalt (TRMAC) Surface Course (MAC-15TR)	151.80
		Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping.	
		For Warm Mix Additive, Add	7.72
32 12 16 13-0015	TON	Asphalt Rubberized Hot Mix (ARHM) Surface Course.....	162.69
		Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping.	
		For Warm Mix Additive, Add	8.42
32 12 16 13-0016	SY	1" Thick Bituminous Hot Mix Surface Course	7.76
		Note: Includes placement, rolling, finishing and sweeping.	
		For PG64-10 Asphalt, Add	0.14
		For >10,000 To 20,000, Deduct	-0.33
		For >20,000 To 50,000, Deduct	-0.60
		For >50,000 To 100,000, Deduct	-0.92
		For >100,000, Deduct	-1.33
32 12 16 13-0017	SY	1-1/2" Thick Bituminous Hot Mix Surface Course	11.43
		Note: Includes placement, rolling, finishing and sweeping.	
		For PG64-10 Asphalt, Add	0.21
		For >7,000 To 14,000, Deduct	-0.49
		For >14,000 To 32,000, Deduct	-0.89
		For >32,000 To 64,000, Deduct	-1.37
		For >64,000, Deduct	-1.97



Exterior Improvements		32
Bases, Ballasts, And Paving		32 10
Flexible Paving		32 12

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0018	SY		2" Thick Bituminous Hot Mix Surface Course 15.06 Note: Includes placement, rolling, finishing and sweeping. For PG64-10 Asphalt, Add 0.29 For Up To 500, Add 2.16 For >500 To 1,000, Add 1.21 For >5,000 To 10,000, Deduct -0.64 For >10,000 To 24,000, Deduct -1.17 For >24,000 To 48,000, Deduct -1.82 For >48,000, Deduct -2.61		
32 12 16 13-0019	SY		2-1/2" Thick Bituminous Hot Mix Surface Course 18.20 Note: Includes placement, rolling, finishing and sweeping. For PG64-10 Asphalt, Add 0.36 For Up To 400, Add 2.53 For >400 To 800, Add 1.40 For >4,000 To 8,000, Deduct -0.79 For >8,000 To 20,000, Deduct -1.44 For >20,000 To 40,000, Deduct -2.23 For >40,000, Deduct -3.21		
32 12 16 13-0020	SY		3" Thick Bituminous Hot Mix Surface Course 21.38 Note: Includes placement, rolling, finishing and sweeping. For PG64-10 Asphalt, Add 0.43 For Up To 300, Add 2.90 For >300 To 600, Add 2.46 For >3,000 To 6,000, Deduct -0.94 For >6,000 To 16,000, Deduct -1.71 For >16,000 To 32,000, Deduct -2.65 For >32,000, Deduct -3.81		
32 12 16 13-0021	CSF		Type F Asphalt Surface Cap 1/8" To 1/4" Thick For Use Only On Top Concrete Filled Trench..... 55.88		
32 12 16 13-0022			Hand Placed, Hot Mix Asphalt (HMA) (32 12 16 13)		
32 12 16 13-0023	TON		Hand Placed Hot Mixed Asphalt 3,954 LB/CY 299.92 Note: For small areas not reachable by machine. Includes placement, rolling, finishing and sweeping.		
32 12 16 13-0024			AC Dikes (32 12 16 13) See CSI section 32 11 23 16-0001 for base course.		
32 12 16 13-0025	LF		Type A, Asphalt Concrete Dike 10.19 4.25 For Up To 100, Add 4.67 For >100 To 500, Add 1.36 For >1,000 To 5,000, Deduct -0.85 For >5,000, Deduct -1.36		
32 12 16 13-0026	LF		Type C, Asphalt Concrete Dike 8.98 4.25 For Up To 100, Add 4.37 For >100 To 500, Add 1.30 For >1,000 To 5,000, Deduct -0.85 For >5,000, Deduct -1.30		
32 12 16 13-0027	LF		Type D, Asphalt Concrete Dike 12.18 4.25 For Up To 100, Add 5.17 For >100 To 500, Add 1.46 For >1,000 To 5,000, Deduct -0.85 For >5,000, Deduct -1.46		
32 12 16 13-0028	LF		Type E, Asphalt Concrete Dike 10.15 4.25 For Up To 100, Add 4.66 For >100 To 500, Add 1.36 For >1,000 To 5,000, Deduct -0.85 For >5,000, Deduct -1.36		
32 12 16 13-0029	LF		Type F, Asphalt Concrete Dike 9.33 4.25 For Up To 100, Add 4.46 For >100 To 500, Add 1.32 For >1,000 To 5,000, Deduct -0.85 For >5,000, Deduct -1.32		
32 12 16 13-0030			Ditch Lining (32 12 16 13)		
32 12 16 13-0031	SY		4" Concrete Ditch Pavement 52.41		
32 12 16 13-0032	SY		4" Asphalt Ditch Pavement 43.15		
32 12 16 13-0033	SY		4" Soil-Cement Ditch Pavement 6.16		
32 12 16 13-0034	SY		4" Rip-Rap Ditch Pavement 5.28		
32 12 16 19			Cold-Mix Asphalt Paving (32 12 16) Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.		
32 12 16 19-0001			Cold Mix Asphalt (CMA) Pavement (32 12 16 19) Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.		
32 12 16 19-0002	SY		Cold Laid Asphalt Pavement, Traveling Plant Mixed In Windrows, Compacted 4" Course 12.04		
32 12 16 19-0003	SY		Cold Laid Asphalt Pavement, Rotary Plant Mixed In Place, Compacted 4" Course 11.78		
32 12 16 19-0004	SY		Cold Laid Asphalt Pavement, Central Stationary Plant, Mixed, Compacted 4" Course 19.86		
32 12 16 39			Fabrics (32 12 16) See CSI section 31 32 19 16-0000 for geotextile fabric.		

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 12	Flexible Paving



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 39-0001 SY 3.6 Oz/SY, 90 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-38A/O)	0.88	
For Up To 50, Add	0.21	
For >50 To 150, Add	0.15	
For >150 To 250, Add	0.10	
For >250 To 500, Add	0.05	
32 12 16 39-0002 SY 4.1 Oz/SY, 101 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-42 A/O)	0.94	
For Up To 50, Add	0.22	
For >50 To 150, Add	0.16	
For >150 To 250, Add	0.11	
For >250 To 500, Add	0.05	
32 12 16 43 Waterproofing Membranes (32 12 16)		
32 12 16 43-0001 Waterproofing Membranes (32 12 16 43)		
32 12 16 43-0002 SY Up To 500 SY, Preformed Rubberized Asphalt Membrane	31.19	
32 12 16 43-0003 SY >500 To 1,000 SY, Preformed Rubberized Asphalt Membrane	23.58	
32 12 16 43-0004 SY >1,000 SY, Preformed Rubberized Asphalt Membrane	14.97	
32 12 33 Flexible Paving Surface Treatments (32 12)		
32 12 33 00-0001 Bituminous Surface Treatment For Roadways (32 12 33)		
Note: 0.25 Gal bitumen per SY and 30 lb of gravel/SY.		
32 12 33 00-0002 SY Single Course Bituminous Treatment, Prepare And Clean Surface Roadway	2.85	
32 12 33 00-0003 SY Double Course Bituminous Treatment, Prepare And Clean Surface Roadway	5.10	
32 12 33 00-0004 Bituminous Surface Treatment For Trails (32 12 33)		
Note: 0.25 Gal bitumen per SY and 20 lb of gravel/SY.		
32 12 33 00-0005 SY Bituminous Surface Treatment, For Trails	2.02	
32 12 36 Seal Coats (32 12)		
See CSI section 32 01 13 62-0000 for slurry seal.		
32 12 36 13 Asphaltic Seal and Fog Coats (32 12 36)		
32 12 36 13-0001 Asphalt Emulsion Seal Coat (Chip Seal) (32 12 36 13)		
Note: Includes initial sweeping prior to placement, cleaning of area, rolling and final sweeping. Excludes crack repair, fog sealer, and any additional consecutive days sweeping following final sweeping.		
32 12 36 13-0002 Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) (32 12 36 13-0001)		
Note: 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.15 to 0.30 gallons asphalt emulsion per SY.		
32 12 36 13-0003 SY Up To 200 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	2.10	
For Each 0.5% Of Latex Addition, Add	0.19	
32 12 36 13-0004 SY >200 To 500 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	1.96	
For Each 0.5% Of Latex Addition, Add	0.19	
32 12 36 13-0005 SY >500 To 1,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	1.84	
For Each 0.5% Of Latex Addition, Add	0.19	
32 12 36 13-0006 SY >1,000 To 5,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	1.71	
For Each 0.5% Of Latex Addition, Add	0.19	
32 12 36 13-0007 SY >5,000 To 10,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	1.65	
For Each 0.5% Of Latex Addition, Add	0.19	
32 12 36 13-0008 SY >10,000 To 20,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	1.59	
For Each 0.5% Of Latex Addition, Add	0.19	
32 12 36 13-0009 SY >20,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	1.52	
For Each 0.5% Of Latex Addition, Add	0.19	
32 12 36 13-0010 Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) (32 12 36 13-0001)		
Note: 16 to 25 Pounds Per SY of 5/16" No. 8 with 0.25 to 0.35 gallons asphalt emulsion per SY.		
32 12 36 13-0011 SY Up To 200 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	2.53	
For Each 0.5% Of Latex Addition, Add	0.23	
32 12 36 13-0012 SY >200 To 500 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	2.34	
For Each 0.5% Of Latex Addition, Add	0.23	
32 12 36 13-0013 SY >500 To 1,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	2.19	
For Each 0.5% Of Latex Addition, Add	0.23	
32 12 36 13-0014 SY >1,000 To 5,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	2.14	
For Each 0.5% Of Latex Addition, Add	0.23	
32 12 36 13-0015 SY >5,000 To 10,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	1.93	
For Each 0.5% Of Latex Addition, Add	0.23	
32 12 36 13-0016 SY >10,000 To 20,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	1.82	
For Each 0.5% Of Latex Addition, Add	0.23	
32 12 36 13-0017 SY >20,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	1.73	
For Each 0.5% Of Latex Addition, Add	0.23	
32 12 36 13-0018 Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) (32 12 36 13-0001)		
Note: 20 to 30 Pounds Per SY of 3/8" No. 6 with 0.25 to 0.40 gallons asphalt emulsion per SY.		
32 12 36 13-0019 SY Up To 200 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	2.96	
For Each 0.5% Of Latex Addition, Add	0.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 13-0020 SY >200 To 500 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	2.71	
<i>For Each 0.5% Of Latex Addition, Add</i>	0.28	
32 12 36 13-0021 SY >500 To 1,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	2.52	
<i>For Each 0.5% Of Latex Addition, Add</i>	0.28	
32 12 36 13-0022 SY >1,000 To 5,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	2.31	
<i>For Each 0.5% Of Latex Addition, Add</i>	0.28	
32 12 36 13-0023 SY >5,000 To 10,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	2.20	
<i>For Each 0.5% Of Latex Addition, Add</i>	0.28	
32 12 36 13-0024 SY >10,000 To 20,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	2.02	
<i>For Each 0.5% Of Latex Addition, Add</i>	0.28	
32 12 36 13-0025 SY >20,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	2.03	
<i>For Each 0.5% Of Latex Addition, Add</i>	0.28	
32 12 36 13-0026 Course Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)		
<small>(32 12 36 13-0001)</small>		
Note: 23 to 35 Pounds Per SY of 1/2" No. 4 with 0.30 to 0.40 gallons asphalt emulsion per SY.		
32 12 36 13-0027 SY Up To 200 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	3.01	
<i>For Each 0.5% Of Latex Addition, Add</i>	0.32	
32 12 36 13-0028 SY >200 To 500 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	2.76	
<i>For Each 0.5% Of Latex Addition, Add</i>	0.32	
32 12 36 13-0029 SY >500 To 1,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	2.57	
<i>For Each 0.5% Of Latex Addition, Add</i>	0.32	
32 12 36 13-0030 SY >1,000 To 5,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	2.36	
<i>For Each 0.5% Of Latex Addition, Add</i>	0.32	
32 12 36 13-0031 SY >5,000 To 10,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	2.25	
<i>For Each 0.5% Of Latex Addition, Add</i>	0.32	
32 12 36 13-0032 SY >10,000 To 20,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	2.14	
<i>For Each 0.5% Of Latex Addition, Add</i>	0.32	
32 12 36 13-0033 SY >20,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	1.97	
<i>For Each 0.5% Of Latex Addition, Add</i>	0.32	
32 12 36 13-0034 Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)		
<small>(32 12 36 13-0001)</small>		
Note: First coat 23 to 30 Pounds Per SY of 1/2" No. 4 with 0.20 to 0.35 gallons asphalt emulsion per SY, Second coat 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.20 to 0.30 gallons asphalt emulsion per SY.		
32 12 36 13-0035 SY Up To 200 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	4.61	
<i>For Each 0.5% Of Latex Addition, Add</i>	0.46	
32 12 36 13-0036 SY >200 To 500 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.21	
<i>For Each 0.5% Of Latex Addition, Add</i>	0.46	
32 12 36 13-0037 SY >500 To 1,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	3.92	
<i>For Each 0.5% Of Latex Addition, Add</i>	0.46	
32 12 36 13-0038 SY >1,000 To 5,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	3.58	
<i>For Each 0.5% Of Latex Addition, Add</i>	0.46	
32 12 36 13-0039 SY >5,000 To 10,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	3.39	
<i>For Each 0.5% Of Latex Addition, Add</i>	0.46	
32 12 36 13-0040 SY >10,000 To 20,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	3.16	
<i>For Each 0.5% Of Latex Addition, Add</i>	0.46	
32 12 36 13-0041 SY >20,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	2.98	
<i>For Each 0.5% Of Latex Addition, Add</i>	0.46	
32 12 36 13-0042 Fog Seal, CQS-1h		
<small>(32 12 36 13)</small>		
Note: A fog seal is a light application of diluted, slow-setting asphalt emulsion without aggregate cover. Includes sweeping and cleaning of area.		
32 12 36 13-0043 SY Up To 200 SY, CQS-1h, Fog Seal.....	1.25	
32 12 36 13-0044 SY >200 To 500 SY, CQS-1h, Fog Seal.....	0.86	
32 12 36 13-0045 SY >500 To 1,000 SY, CQS-1h, Fog Seal.....	0.70	
32 12 36 13-0046 SY >1,000 To 5,000 SY, CQS-1h, Fog Seal.....	0.56	
32 12 36 13-0047 SY >5,000 To 10,000 SY, CQS-1h, Fog Seal.....	0.50	
32 12 36 13-0048 SY >10,000 To 20,000 SY, CQS-1h, Fog Seal.....	0.44	
32 12 36 13-0049 SY >20,000 SY, CQS-1h, Fog Seal.....	0.40	
32 12 36 13-0050 Sand Sealer		
<small>(32 12 36 13)</small>		
Note: A sand seal is an application of asphalt binder followed by placement of a layer of sand or fine aggregate, and then rolled to embed the sand or fine aggregate into the binder. Includes sweeping and cleaning of area.		
32 12 36 13-0051 SY Up To 200 SY, Sand Seal.....	1.96	
32 12 36 13-0052 SY >200 To 500 SY, Sand Seal	1.22	
32 12 36 13-0053 SY >500 To 1,000 SY, Sand Seal	1.22	
32 12 36 13-0054 SY >1,000 To 5,000 SY, Sand Seal	1.06	
32 12 36 13-0055 SY >5,000 To 10,000 SY, Sand Seal	0.96	
32 12 36 13-0056 SY >10,000 To 20,000 SY, Sand Seal	0.89	
32 12 36 13-0057 SY >20,000 SY, Sand Seal	0.83	
32 12 36 16 Coal Tar Seal Coats		
<small>(32 12 36)</small>		
32 12 36 16-0001 Thermoplastic Coal-Tar Asphalt Seal		
<small>(32 12 36 16)</small>		
Note: Includes sweeping and cleaning of area.		
32 12 36 16-0002 SY Up To 500 SY, Type I Thermoplastic Coal-Tar Asphalt Seal.....	5.77	
32 12 36 16-0003 SY >500 To 1,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	5.27	
32 12 36 16-0004 SY >1,000 To 5,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	4.58	

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 12	Flexible Paving



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 12 36 16-0005	SY	>5,000 To 20,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal.....	3.98
32 12 36 16-0006	SY	>20,000 To 50,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal.....	3.30
32 12 36 16-0007	SY	>50,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal.....	2.61
32 12 36 16-0008	SY	Up To 500 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....	6.63
32 12 36 16-0009	SY	>500 To 1,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....	6.11
32 12 36 16-0010	SY	>1,000 To 5,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....	5.32
32 12 36 16-0011	SY	>5,000 To 20,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....	4.67
32 12 36 16-0012	SY	>20,000 To 50,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....	3.90
32 12 36 16-0013	SY	>50,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....	3.11

32 12 43 Porous Flexible Paving (32 12)

32 12 43 00-0001		Flexible Recycled Plastic Porous Grid (32 12 43) Note: Includes sand fill in rings. Excludes base, earth work and grass or sod.	
32 12 43 00-0002	SY	1" Thick, Recycled Plastic Flexible Pavement With Sand Fill Note: Includes sand fill in rings. Excludes base, earth work and grass or sod. Invisible Structures, Inc.; Grasspave2.	25.43
		<i>For Up To 100, Add</i>	9.04
		<i>For >100 To 500, Add</i>	2.34
		<i>For >1,000 To 5,000, Deduct</i>	-1.07
		<i>For >5,000, Deduct</i>	-2.05

32 12 73 Asphalt Paving Joint Sealants (32 12)

32 12 73 00-0001		Expansion Joint In Sidewalk (32 12 73)	
32 12 73 00-0002	LF	For Hot Asphalt Poured Over Expansion Joint In Sidewalk.....	3.94

32 13 Rigid Paving (32 10)**32 13 13 Concrete Paving** (32 13)

Note: The following section includes spreading and placing delivered Portland cement concrete mix.

32 13 13 33 Plain Concrete Paving (32 13 13)

32 13 13 33-0001		Concrete Paving Assemblies (32 13 13 33) Note: Includes forms, wire mesh (where necessary), two mat layers #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float and finish. Excludes excavation, base and earthwork. Includes concrete paving machine. To be used for roadways, driveways, parking areas, or other areas of vehicular traffic. See CSI section 03 05 13 00-0001 for color additive.	
32 13 13 33-0002		4,500 PSI Concrete Paving Assembly (32 13 13 33-0001)	
32 13 13 33-0003	SY	4" 4,500 PSI Concrete Paving Assembly.....	50.49
		<i>For 2,500 PSI Concrete, Deduct</i>	-3.14
		<i>For 3,000 PSI Concrete, Deduct</i>	-2.05
		<i>For 3,500 PSI Concrete, Deduct</i>	-1.64
		<i>For 4,000 PSI Concrete, Deduct</i>	-0.71
		<i>For 5,000 PSI Concrete, Add</i>	0.44
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	3.55
		<i>For <12' Wide Pass, Add</i>	8.52
		<i>For 24' Or Greater Wide Pass, Deduct</i>	-10.10
		<i>For Air Entrainment, Add</i>	1.37
		<i>For Slipforming, Deduct</i>	-5.05
		<i>For Up To 100, Add</i>	19.36
		<i>For >100 To 250, Add</i>	11.05
		<i>For >250 To 500, Add</i>	5.52
		<i>For >1,000 To 2,000, Deduct</i>	-1.37
		<i>For >2,000 To 5,000, Deduct</i>	-2.63
		<i>For >5,000 To 10,000, Deduct</i>	-3.89
		<i>For >10,000 To 20,000, Deduct</i>	-5.15
		<i>For >20,000, Deduct</i>	-6.42
32 13 13 33-0004	SY	5" 4,500 PSI Concrete Paving Assembly.....	60.03
		<i>For 2,500 PSI Concrete, Deduct</i>	-3.95
		<i>For 3,000 PSI Concrete, Deduct</i>	-2.57
		<i>For 3,500 PSI Concrete, Deduct</i>	-2.06
		<i>For 4,000 PSI Concrete, Deduct</i>	-0.89
		<i>For 5,000 PSI Concrete, Add</i>	0.55
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	4.46
		<i>For <12' Wide Pass, Add</i>	9.86
		<i>For 24' Or Greater Wide Pass, Deduct</i>	-12.01
		<i>For Air Entrainment, Add</i>	1.72
		<i>For Slipforming, Deduct</i>	-6.00
		<i>For Up To 100, Add</i>	22.29
		<i>For >100 To 250, Add</i>	12.86
		<i>For >250 To 500, Add</i>	6.43
		<i>For >1,000 To 2,000, Deduct</i>	-1.72
		<i>For >2,000 To 5,000, Deduct</i>	-3.22
		<i>For >5,000 To 10,000, Deduct</i>	-4.72
		<i>For >10,000 To 20,000, Deduct</i>	-6.22
		<i>For >20,000, Deduct</i>	-7.72



		Exterior Improvements	32
		Bases, Ballasts, And Paving	32 10
		Rigid Paving	32 13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0005	SY		6" 4,500 PSI Concrete Paving Assembly.....	64.06	
			<i>For 2,500 PSI Concrete, Deduct</i>	-4.16	
			<i>For 3,000 PSI Concrete, Deduct</i>	-2.72	
			<i>For 3,500 PSI Concrete, Deduct</i>	-2.17	
			<i>For 4,000 PSI Concrete, Deduct</i>	-0.94	
			<i>For 5,000 PSI Concrete, Add</i>	0.58	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	4.71	
			<i>For <12' Wide Pass, Add</i>	10.59	
			<i>For 24' Or Greater Wide Pass, Deduct</i>	-12.81	
			<i>For Air Entrainment, Add</i>	1.81	
			<i>For Slipforming, Deduct</i>	-6.41	
			<i>For Up To 100, Add</i>	23.96	
			<i>For >100 To 250, Add</i>	13.79	
			<i>For >250 To 500, Add</i>	6.89	
			<i>For >1,000 To 2,000, Deduct</i>	-1.81	
			<i>For >2,000 To 5,000, Deduct</i>	-3.41	
			<i>For >5,000 To 10,000, Deduct</i>	-5.01	
			<i>For >10,000 To 20,000, Deduct</i>	-6.61	
			<i>For >20,000, Deduct</i>	-8.22	
32 13 13 33-0006	SY		7" 4,500 PSI Concrete Paving Assembly.....	76.52	
			<i>For 2,500 PSI Concrete, Deduct</i>	-5.25	
			<i>For 3,000 PSI Concrete, Deduct</i>	-3.42	
			<i>For 3,500 PSI Concrete, Deduct</i>	-2.74	
			<i>For 4,000 PSI Concrete, Deduct</i>	-1.19	
			<i>For 5,000 PSI Concrete, Add</i>	0.73	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	5.93	
			<i>For <12' Wide Pass, Add</i>	12.28	
			<i>For 24' Or Greater Wide Pass, Deduct</i>	-15.30	
			<i>For Air Entrainment, Add</i>	2.28	
			<i>For Slipforming, Deduct</i>	-7.65	
			<i>For Up To 100, Add</i>	27.65	
			<i>For >100 To 250, Add</i>	16.11	
			<i>For >250 To 500, Add</i>	8.05	
			<i>For >1,000 To 2,000, Deduct</i>	-2.28	
			<i>For >2,000 To 5,000, Deduct</i>	-4.20	
			<i>For >5,000 To 10,000, Deduct</i>	-6.11	
			<i>For >10,000 To 20,000, Deduct</i>	-8.02	
			<i>For >20,000, Deduct</i>	-9.93	
32 13 13 33-0007	SY		8" 4,500 PSI Concrete Paving Assembly.....	87.14	
			<i>For 2,500 PSI Concrete, Deduct</i>	-5.76	
			<i>For 3,000 PSI Concrete, Deduct</i>	-3.76	
			<i>For 3,500 PSI Concrete, Deduct</i>	-3.01	
			<i>For 4,000 PSI Concrete, Deduct</i>	-1.30	
			<i>For 5,000 PSI Concrete, Add</i>	0.80	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	6.51	
			<i>For <12' Wide Pass, Add</i>	14.27	
			<i>For 24' Or Greater Wide Pass, Deduct</i>	-17.43	
			<i>For Air Entrainment, Add</i>	2.51	
			<i>For Slipforming, Deduct</i>	-8.71	
			<i>For Up To 100, Add</i>	32.24	
			<i>For >100 To 250, Add</i>	18.63	
			<i>For >250 To 500, Add</i>	9.31	
			<i>For >1,000 To 2,000, Deduct</i>	-2.51	
			<i>For >2,000 To 5,000, Deduct</i>	-4.68	
			<i>For >5,000 To 10,000, Deduct</i>	-6.86	
			<i>For >10,000 To 20,000, Deduct</i>	-9.04	
			<i>For >20,000, Deduct</i>	-11.22	
32 13 13 33-0008	SY		9" 4,500 PSI Concrete Paving Assembly.....	98.79	
			<i>For 2,500 PSI Concrete, Deduct</i>	-6.66	
			<i>For 3,000 PSI Concrete, Deduct</i>	-4.34	
			<i>For 3,500 PSI Concrete, Deduct</i>	-3.47	
			<i>For 4,000 PSI Concrete, Deduct</i>	-1.51	
			<i>For 5,000 PSI Concrete, Add</i>	0.93	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	7.53	
			<i>For <12' Wide Pass, Add</i>	16.01	
			<i>For 24' Or Greater Wide Pass, Deduct</i>	-19.76	
			<i>For Air Entrainment, Add</i>	2.89	
			<i>For Slipforming, Deduct</i>	-9.88	
			<i>For Up To 100, Add</i>	36.12	
			<i>For >100 To 250, Add</i>	20.95	
			<i>For >250 To 500, Add</i>	10.48	
			<i>For >1,000 To 2,000, Deduct</i>	-2.89	
			<i>For >2,000 To 5,000, Deduct</i>	-5.36	
			<i>For >5,000 To 10,000, Deduct</i>	-7.83	
			<i>For >10,000 To 20,000, Deduct</i>	-10.30	
			<i>For >20,000, Deduct</i>	-12.77	

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 13	Rigid Paving



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 13 13 33-0009	SY 10" 4,500 PSI Concrete Paving Assembly	109.98
	For 2,500 PSI Concrete, Deduct	-7.32
	For 3,000 PSI Concrete, Deduct	-4.78
	For 3,500 PSI Concrete, Deduct	-3.82
	For 4,000 PSI Concrete, Deduct	-1.66
	For 5,000 PSI Concrete, Add	1.02
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	8.28
	For <12' Wide Pass, Add	17.94
	For 24' Or Greater Wide Pass, Deduct	-22.00
	For Air Entrainment, Add	3.18
	For Slipforming, Deduct	-11.00
	For Up To 100, Add	40.52
	For >100 To 250, Add	23.44
	For >250 To 500, Add	11.72
	For >1,000 To 2,000, Deduct	-3.18
	For >2,000 To 5,000, Deduct	-5.93
	For >5,000 To 10,000, Deduct	-8.68
	For >10,000 To 20,000, Deduct	-11.43
	For >20,000, Deduct	-14.18
32 13 13 33-0010	SY 12" 4,500 PSI Concrete Paving Assembly	130.97
	For 2,500 PSI Concrete, Deduct	-8.67
	For 3,000 PSI Concrete, Deduct	-5.66
	For 3,500 PSI Concrete, Deduct	-4.52
	For 4,000 PSI Concrete, Deduct	-1.96
	For 5,000 PSI Concrete, Add	1.21
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	9.80
	For <12' Wide Pass, Add	21.43
	For 24' Or Greater Wide Pass, Deduct	-26.19
	For Air Entrainment, Add	3.77
	For Slipforming, Deduct	-13.10
	For Up To 100, Add	48.42
	For >100 To 250, Add	27.98
	For >250 To 500, Add	13.99
	For >1,000 To 2,000, Deduct	-3.77
	For >2,000 To 5,000, Deduct	-7.04
	For >5,000 To 10,000, Deduct	-10.32
	For >10,000 To 20,000, Deduct	-13.59
	For >20,000, Deduct	-16.87
32 13 13 33-0011	SY 15" 4,500 PSI Concrete Paving Assembly	166.34
	For 2,500 PSI Concrete, Deduct	-10.65
	For 3,000 PSI Concrete, Deduct	-6.95
	For 3,500 PSI Concrete, Deduct	-5.56
	For 4,000 PSI Concrete, Deduct	-2.41
	For 5,000 PSI Concrete, Add	1.48
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	12.04
	For <12' Wide Pass, Add	27.70
	For 24' Or Greater Wide Pass, Deduct	-33.27
	For Air Entrainment, Add	4.63
	For Slipforming, Deduct	-16.63
	For Up To 100, Add	62.76
	For >100 To 250, Add	36.01
	For >250 To 500, Add	18.01
	For >1,000 To 2,000, Deduct	-4.63
	For >2,000 To 5,000, Deduct	-8.79
	For >5,000 To 10,000, Deduct	-12.95
	For >10,000 To 20,000, Deduct	-17.11
	For >20,000, Deduct	-21.26

32 13 16 Decorative Concrete Paving (32 13)

32 13 16 13 Patterned Concrete Paving (32 13 16)

32 13 16 13-0001	SF For Patterned (Tactile) Finish In Concrete Sidewalk.....	3.99
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32 13 43 Pervious Concrete Paving (32 13)

32 13 43 00-0001 Pervious Concrete Assembly (32 13 43)

Note: Pervious concrete is a special concrete mix with high porosity that allows water to pass through it. For paving and sidewalks.

32 13 43 00-0002	SF 6" Thick Pervious Concrete Paving.....	12.33
	Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.	
	For >5,000 To 30,000, Deduct	-1.36
	For >30,000 To 100,000, Deduct	-2.53
	For >100,000, Deduct	-3.15
32 13 43 00-0003	SF 9" Thick Pervious Concrete Paving.....	15.39
	Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.	
	For >5,000 To 30,000, Deduct	-1.65
	For >30,000 To 100,000, Deduct	-3.03
	For >100,000, Deduct	-3.77

32 13 73 Concrete Paving Joint Sealants (32 13)

32 13 73 13 Fuel-Resistant Concrete Paving Joint Sealants (32 13 73)



Exterior Improvements	32	
Bases, Ballasts, And Paving	32 10	32
Rigid Paving	32 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 13 73 13-0001	Concrete Pavement Joint And Crack Repair <small>(32 13 73 13)</small> Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.		
32 13 73 13-0002	LF Pavement Sealing, Roads Resealing Joints In Concrete Pavements For Roads	7.54	

32 13 73 16 Field-Molded Concrete Paving Joint Sealants (32 13 73)

32 13 73 16-0001	Preformed Elastomeric Concrete Pavement Joint And Crack Repair <small>(32 13 73 16)</small> Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.		
32 13 73 16-0002	LF Joint Sealing, Concrete Pavement Preformed Elastomeric	11.54	

32 13 73 19 Compression Concrete Paving Joint Sealants (32 13 73)

32 13 73 19-0001	Silicone Joint Sealant For Concrete Pavement <small>(32 13 73 19)</small> Note: Installation includes high pressure water wash, sand blast, sweeping, cleaning area, backer rod and Dow Corning 888 silicone sealant. Demolition includes removal of existing material where sawcutting is not required. Excludes saw cutting.		
32 13 73 19-0002	LF 1/4" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	8.39	2.01
32 13 73 19-0003	LF 3/8" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	8.71	2.05
32 13 73 19-0004	LF 1/2" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	9.07	2.09
32 13 73 19-0005	LF 3/4" x 3/8" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	10.12	2.13
32 13 73 19-0006	LF 1" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	11.42	2.18
32 13 73 19-0007	LF 1-1/2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	13.15	2.22
32 13 73 19-0008	LF 2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	15.72	2.27

32 14 Unit Paving (32 10)

32 14 09 Paver Restraints (32 14)

32 14 09 00-0001	Paver Restraints <small>(32 14 09)</small> Note: Paver restraints are used along the edge of a group of pavers as a locking border. Flexible or rigid sections. Includes stakes and connecting devices. Excludes pavers, bedding, excavation, base course and compaction.		
32 14 09 00-0002	LF Up To 2" Height, Vinyl Paver Restraint	3.24	0.88
	<i>For >1,000 To 2,000, Deduct</i>	-0.40	
	<i>For >2,000 To 4,000, Deduct</i>	-0.58	
	<i>For >4,000, Deduct</i>	-0.75	
32 14 09 00-0003	LF Up To 2" Height, Galvanized Steel Paver Restraint	3.48	0.88
	<i>For >500 To 1,000, Deduct</i>	-0.10	
	<i>For >1,000 To 2,000, Deduct</i>	-0.21	
	<i>For >2,000, Deduct</i>	-0.31	
32 14 09 00-0004	LF Up To 1" Height, Aluminum Paver Restraint	3.36	0.88
	<i>For >250 To 500, Deduct</i>	-0.19	
	<i>For >500 To 1,000, Deduct</i>	-0.29	
	<i>For >1,000 To 1,500, Deduct</i>	-0.49	
32 14 09 00-0005	LF >1" To 2" Height, Aluminum Paver Restraint	3.90	0.88
	<i>For >250 To 500, Deduct</i>	-0.25	
	<i>For >500 To 1,000, Deduct</i>	-0.37	
	<i>For >1,000 To 1,500, Deduct</i>	-0.62	
32 14 09 00-0006	LF >2" To 3" Height, Aluminum Paver Restraint	4.95	0.88
	<i>For >250 To 500, Deduct</i>	-0.35	
	<i>For >500 To 1,000, Deduct</i>	-0.53	
	<i>For >1,000 To 1,500, Deduct</i>	-0.88	
32 14 09 00-0007	LF >3" To 4" Height, Aluminum Paver Restraint	5.75	0.88
	<i>For >250 To 500, Deduct</i>	-0.43	
	<i>For >500 To 1,000, Deduct</i>	-0.65	
	<i>For >1,000 To 1,500, Deduct</i>	-1.08	

32 14 11 Bedding For Unit Paving (32 14)

32 14 11 00-0001	Bedding For Brick, Precast Concrete Paver And Stone Sidewalk <small>(32 14 11)</small> Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. See CSI section 01 74 19 00-0036 for hauling greater than 15 miles.		
32 14 11 00-0002	SF 1" To 2" Sand Bedding, Screeded	0.96	
	<i>For Up To 100, Add</i>	0.41	
	<i>For >100 To 500, Add</i>	0.12	
	<i>For >1,000 To 5,000, Deduct</i>	-0.07	
	<i>For >5,000, Deduct</i>	-0.11	
32 14 11 00-0003	SF 1" To 2" Stone Dust Bedding, Screeded	1.19	
	<i>For Up To 100, Add</i>	0.47	
	<i>For >100 To 500, Add</i>	0.13	
	<i>For >1,000 To 5,000, Deduct</i>	-0.07	
	<i>For >5,000, Deduct</i>	-0.12	
32 14 11 00-0004	SF 3" Stone Dust Bedding, Screeded	1.55	
	<i>For Up To 100, Add</i>	0.59	
	<i>For >100 To 500, Add</i>	0.16	
	<i>For >1,000 To 5,000, Deduct</i>	-0.08	
	<i>For >5,000, Deduct</i>	-0.14	

32 Exterior Improvements
32 10 Bases, Ballasts, And Paving
32 14 Unit Paving



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 11 00-0005 SF 4" Stone Dust Bedding, Screeded	1.97	
For Up To 100, Add	0.74	
For >100 To 500, Add	0.20	
For >1,000 To 5,000, Deduct	-0.10	
For >5,000, Deduct	-0.18	
32 14 11 00-0006 SF 1" Mortar Bedding	2.81	
For Up To 100, Add	1.26	
For >100 To 500, Add	0.36	
For >1,000 To 5,000, Deduct	-0.22	
For >5,000, Deduct	-0.35	
32 14 11 00-0007 SF 2" Mortar Bedding	4.13	
For Up To 100, Add	1.78	
For >100 To 500, Add	0.50	
For >1,000 To 5,000, Deduct	-0.30	
For >5,000, Deduct	-0.48	
32 14 11 00-0008 SF Thin-Set Latex Portland Cement Mortar	1.46	
For Up To 100, Add	0.66	
For >100 To 500, Add	0.19	
For >1,000 To 5,000, Deduct	-0.12	
For >5,000, Deduct	-0.19	

32 14 13 Precast Concrete Unit Paving (32 14)

32 14 13 16 Precast Concrete Unit Paving Slabs (32 14 13)

32 14 13 16-0001 Precast Concrete Paver Sidewalk (32 14 13 16)

Note: Square, rectangular, or interlocking pervious pavers. Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.

32 14 13 16-0002 SF 2-3/8" Thick, Up To 32 SI Precast Concrete Paver	10.23	2.78
Note: Includes 2-1/2" x 5", 4" x 4", 4" x 6", 5" x 5", 4" x 8" and other similar size pavers.		
For 2-3/4" Concrete Paver, Add	0.98	
For 3-1/8" Concrete Paver, Add	1.58	
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.79	
For Up To 100, Add	3.96	
For >100 To 500, Add	1.07	
For >1,000 To 5,000, Deduct	-0.56	
For >5,000, Deduct	-0.98	
32 14 13 16-0003 SF 2-3/8" Thick, >32 to 64 SI Precast Concrete Paver	9.72	2.54
Note: Includes 5" x 7", 6" x 6", 8" x 8" and other similar size pavers.		
For 2-3/4" Concrete Paver, Add	0.95	
For 3-1/8" Concrete Paver, Add	1.54	
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.74	
For Up To 100, Add	3.70	
For >100 To 500, Add	0.99	
For >1,000 To 5,000, Deduct	-0.51	
For >5,000, Deduct	-0.90	
32 14 13 16-0004 SF 2-3/8" Thick, >64 to 144 SI Precast Concrete Paver	9.26	2.02
Note: Includes 6" x 12", 12" x 12" and other similar size pavers.		
For 2-3/4" Concrete Paver, Add	0.93	
For 3-1/8" Concrete Paver, Add	1.51	
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.69	
For Up To 100, Add	3.47	
For >100 To 500, Add	0.93	
For >1,000 To 5,000, Deduct	-0.46	
For >5,000, Deduct	-0.83	
32 14 13 16-0005 SF 2-3/8" Thick, >144 SI Precast Concrete Paver	8.84	2.10
Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
For 2-3/4" Concrete Paver, Add	0.91	
For 3-1/8" Concrete Paver, Add	1.48	
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.65	
For Up To 100, Add	3.26	
For >100 To 500, Add	0.86	
For >1,000 To 5,000, Deduct	-0.42	
For >5,000, Deduct	-0.77	
32 14 13 16-0006 SF 2-3/8" Thick, Precast Concrete Paver, Combinations And Patterns	9.48	2.42
Note: Patterns made by combining pavers from two or more size groups.		
For 2-3/4" Concrete Paver, Add	0.94	
For 3-1/8" Concrete Paver, Add	1.52	
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.72	
For Up To 100, Add	3.58	
For >100 To 500, Add	0.96	
For >1,000 To 5,000, Deduct	-0.48	
For >5,000, Deduct	-0.87	

32 14 13 19 Porous Precast Concrete Unit Paving (32 14 13)

32 14 13 19-0001 Turf Block (32 14 13 19)

Note: Grass grid, open-cell unit paver, geoblock.

32 14 13 19-0002 SF 3-1/8" Thick, Precast Concrete Turf Block	8.51	2.42
For Up To 100, Add	3.34	
For >100 To 500, Add	0.91	
For >1,000 To 5,000, Deduct	-0.48	
For >5,000, Deduct	-0.84	



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 14 16 Brick Unit Paving (32 14)

32 14 16 00-0001 Brick Paver Sidewalk (32 14 16)

Note: Includes sand joints. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.

32 14 16 00-0002	SF 4" x 8" x 2-1/4" Brick Paver, Laid Flat	10.42	2.78
	<i>For 1-3/8" Thick Paver, Deduct</i>	-1.97	
	<i>For 2-3/4" Thick Paver (Vehicular), Add</i>	4.40	
	<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.80	
	<i>For Up To 100, Add</i>	4.00	
	<i>For >100 To 500, Add</i>	1.08	
	<i>For >1,000 To 5,000, Deduct</i>	-0.56	
	<i>For >5,000, Deduct</i>	-0.98	
32 14 16 00-0003	SF 4" x 8" x 2-1/4" Brick, Laid On Edge	14.95	3.18
	<i>For 1-3/8" Thick Paver, Deduct</i>	-3.32	
	<i>For 2-3/4" Thick Paver (Vehicular), Add</i>	7.65	
	<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	1.07	
	<i>For Up To 100, Add</i>	5.33	
	<i>For >100 To 500, Add</i>	1.38	
	<i>For >1,000 To 5,000, Deduct</i>	-0.64	
	<i>For >5,000, Deduct</i>	-1.21	

32 14 33 Plastic Paving (32 14)

32 14 33 00-0001 Turf Block Plastic Paving (32 14 33)

32 14 33 00-0002	SF 4" Thick Recycled Polyvinyl Chloride (PVC) Plastic Turf Block	12.13	2.42
	<i>For Up To 100, Add</i>	4.24	
	<i>For >100 To 500, Add</i>	1.09	
	<i>For >1,000 To 5,000, Deduct</i>	-0.48	
	<i>For >5,000, Deduct</i>	-0.94	

32 14 40 Stone Paving (32 14)

32 14 40 00-0001 Slate Paver Sidewalk (32 14 40)

Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 14 40 00-0002	SF 1" Thick, Up to 54 SI Slate Paver	15.05	2.31
	Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
	<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.98	
	<i>For 1/4" Thick Paver, Deduct</i>	-7.83	
	<i>For 1/2" Thick Paver, Deduct</i>	-5.49	
	<i>For Up To 100, Add</i>	4.92	
	<i>For >100 To 500, Add</i>	1.21	
	<i>For >1,000 To 5,000, Deduct</i>	-0.46	
	<i>For >5,000, Deduct</i>	-1.01	
32 14 40 00-0003	SF 1" Thick, >54 to 108 SI Slate Paver	14.63	2.10
	Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
	<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.94	
	<i>For 1/4" Thick Paver, Deduct</i>	-7.73	
	<i>For 1/2" Thick Paver, Deduct</i>	-5.43	
	<i>For Up To 100, Add</i>	4.71	
	<i>For >100 To 500, Add</i>	1.15	
	<i>For >1,000 To 5,000, Deduct</i>	-0.42	
	<i>For >5,000, Deduct</i>	-0.94	
32 14 40 00-0004	SF 1" Thick, >108 to 216 SI Slate Paver	13.90	1.74
	Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.		
	<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.87	
	<i>For 1/4" Thick Paver, Deduct</i>	-7.54	
	<i>For 1/2" Thick Paver, Deduct</i>	-5.32	
	<i>For Up To 100, Add</i>	4.34	
	<i>For >100 To 500, Add</i>	1.04	
	<i>For >1,000 To 5,000, Deduct</i>	-0.35	
	<i>For >5,000, Deduct</i>	-0.83	
32 14 40 00-0005	SF 1" Thick, >216 SI Slate Paver	13.58	1.58
	Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
	<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.84	
	<i>For 1/4" Thick Paver, Deduct</i>	-7.46	
	<i>For 1/2" Thick Paver, Deduct</i>	-5.27	
	<i>For Up To 100, Add</i>	4.18	
	<i>For >100 To 500, Add</i>	0.99	
	<i>For >1,000 To 5,000, Deduct</i>	-0.32	
	<i>For >5,000, Deduct</i>	-0.79	
32 14 40 00-0006	SF 1" Thick, Slate Paver, Combinations And Patterns	14.23	1.90
	Note: Patterns made by combining pavers from two or more size groups.		
	<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.90	
	<i>For 1/4" Thick Paver, Deduct</i>	-7.63	
	<i>For 1/2" Thick Paver, Deduct</i>	-5.37	
	<i>For Up To 100, Add</i>	4.51	
	<i>For >100 To 500, Add</i>	1.09	
	<i>For >1,000 To 5,000, Deduct</i>	-0.38	
	<i>For >5,000, Deduct</i>	-0.88	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 14 Unit Paving**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 40 00-0007		Granite Paver Sidewalk <small>(32 14 40)</small> Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		
32 14 40 00-0008	SF	1" Thick, Up to 54 SI Granite Paver Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers. For Cement/Sand Mix Or Polymeric Sand Joints, Add For 2" Granite Paver, Add For 3" Granite Paver, Add For 4" Granite Paver, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	20.28 1.25 1.01 2.03 2.26 6.23 1.48 -0.46 -1.16	2.31
32 14 40 00-0009	SF	1" Thick, >54 to 108 SI Granite Paver..... Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers. For Cement/Sand Mix Or Polymeric Sand Joints, Add For 2" Granite Paver, Add For 3" Granite Paver, Add For 4" Granite Paver, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	19.86 1.20 0.99 1.99 2.20 6.02 1.41 -0.42 -1.10	2.10
32 14 40 00-0010	SF	1" Thick, >108 to 216 SI Granite Paver..... Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers. For Cement/Sand Mix Or Polymeric Sand Joints, Add For 2" Granite Paver, Add For 3" Granite Paver, Add For 4" Granite Paver, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	19.13 1.13 0.96 1.91 2.09 5.65 1.30 -0.35 -0.99	1.74
32 14 40 00-0011	SF	1" Thick, >216 SI Granite Paver..... Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24" and other similar size pavers. For Cement/Sand Mix Or Polymeric Sand Joints, Add For 2" Granite Paver, Add For 3" Granite Paver, Add For 4" Granite Paver, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	18.81 1.10 0.94 1.88 2.04 5.49 1.26 -0.32 -0.94	1.58
32 14 40 00-0012	SF	1" Thick, Granite Paver, Combinations And Patterns Note: Patterns made by combining pavers from two or more size groups. For Cement/Sand Mix Or Polymeric Sand Joints, Add For 2" Granite Paver, Add For 3" Granite Paver, Add For 4" Granite Paver, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	19.46 1.16 0.97 1.95 2.14 5.82 1.35 -0.38 -1.04	1.90
32 15		Aggregate Surfacing <small>(32 15)</small>		
32 15 40		Crushed Stone Surfacing <small>(32 15)</small> Note: Includes delivery up to 15 miles from supplier, placement, rolling and compaction water. See CSI section 01 74 19 00-0036 for hauling greater than 15 miles.		
32 15 40 00-0001		Gravel Surfacing And Spreading <small>(32 15 40)</small> Note: Includes delivered material, placement, rolling and compaction water.		
32 15 40 00-0002	CY	Gravel Surfacing And Spreading.....	65.62	
32 15 40 00-0003		Limestone Screenings <small>(32 15 40)</small> Note: Includes delivered material, placement, rolling and compaction water. For trail maintenance.		
32 15 40 00-0004	CY	Limestone Screenings For Trail	40.26	
32 15 40 00-0005		Decomposed Granite <small>(32 15 40)</small> Note: Includes delivered material, placement, rolling and compaction water.		
32 15 40 00-0006	SY	3" To 4" Thick Decomposed Granite Screenings With Stabilizer Pathway Note: Placed in 2 lifts. For Additional 2" Lift For >45 To 180, Deduct For >180 To 450, Deduct For >450, Deduct	12.09 6.05 -0.85 -1.10 -1.34	
32 16		Curbs, Gutters, Sidewalks, And Driveways <small>(32 16)</small>		
32 16 13		Curbs And Gutters <small>(32 16)</small> Note: Includes transitions. Demolition Includes two saw cuts (each end) of curbs and gutters for lengths up to 100'. See CSI		



Exterior Improvements	32	32
Bases, Ballasts, And Paving	32 10	
Curbs, Gutters, Sidewalks, And Driveways	32 16	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
section 02 41 19 13-0001 for additional saw cuts within the 100'.		
32 16 13 13 Cast-In-Place Concrete Curbs And Gutters <small>(32 16 13)</small>		
Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.		
32 16 13 13-0001 Cast In Place Concrete Curb And Gutter <small>(32 16 13 13)</small>		
Note: Includes concrete, forms, rebar, chairs (where necessary), transitions, expansion joints, finish and curing.		
32 16 13 13-0002 LF 6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	22.85	10.38
For Up To 20, Add	15.53	
For >20 To 50, Add	8.67	
For >50 To 100, Add	3.43	
For >500 To 1,000, Deduct	-2.96	
For >1,000, Deduct	-5.01	
For Rolled Curb And Gutter	1.56	
32 16 13 13-0003 LF 6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Radius.....	24.94	13.84
For Up To 20, Add	16.96	
For >20 To 50, Add	9.47	
For >50 To 100, Add	3.74	
For >500 To 1,000, Deduct	-3.24	
For >1,000, Deduct	-5.48	
For Rolled Curb And Gutter	1.71	
32 16 13 13-0004 LF 6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	29.11	11.51
For Up To 20, Add	19.76	
For >20 To 50, Add	11.03	
For >50 To 100, Add	4.37	
For >500 To 1,000, Deduct	-3.75	
For >1,000, Deduct	-6.35	
For Rolled Curb And Gutter	1.95	
32 16 13 13-0005 LF 6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Radius.....	32.20	12.81
For Up To 20, Add	21.87	
For >20 To 50, Add	12.21	
For >50 To 100, Add	4.83	
For >500 To 1,000, Deduct	-4.16	
For >1,000, Deduct	-7.05	
For Rolled Curb And Gutter	2.19	
32 16 13 13-0006 LF 6" x 24" Concrete Gutter With 6" Curb And Face - Straight (Type A3-6).....	35.39	13.84
For Up To 20, Add	24.00	
For >20 To 50, Add	13.39	
For >50 To 100, Add	5.31	
For >500 To 1,000, Deduct	-4.54	
For >1,000, Deduct	-7.69	
For Rolled Curb And Gutter	2.35	
32 16 13 13-0007 LF 6" x 24" Concrete Gutter With 6" Curb And Face - Radius (Type A3-6).....	39.45	15.57
For Up To 20, Add	26.79	
For >20 To 50, Add	14.95	
For >50 To 100, Add	5.92	
For >500 To 1,000, Deduct	-5.09	
For >1,000, Deduct	-8.62	
For Rolled Curb And Gutter	2.66	
32 16 13 13-0008 LF 6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	42.10	16.44
For Up To 20, Add	28.55	
For >20 To 50, Add	15.92	
For >50 To 100, Add	6.32	
For >500 To 1,000, Deduct	-5.39	
For >1,000, Deduct	-9.14	
For Rolled Curb And Gutter	2.78	
32 16 13 13-0009 LF 6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Radius.....	46.28	18.18
For Up To 20, Add	31.40	
For >20 To 50, Add	17.52	
For >50 To 100, Add	6.94	
For >500 To 1,000, Deduct	-5.95	
For >1,000, Deduct	-10.08	
For Rolled Curb And Gutter	3.09	
32 16 13 13-0010 LF 6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	48.80	19.05
For Up To 20, Add	33.09	
For >20 To 50, Add	18.45	
For >50 To 100, Add	7.32	
For >500 To 1,000, Deduct	-6.25	
For >1,000, Deduct	-10.59	
For Rolled Curb And Gutter	3.22	
32 16 13 13-0011 LF 6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Radius.....	53.11	20.78
For Up To 20, Add	36.02	
For >20 To 50, Add	20.09	
For >50 To 100, Add	7.97	
For >500 To 1,000, Deduct	-6.81	
For >1,000, Deduct	-11.54	
For Rolled Curb And Gutter	3.52	
32 16 13 13-0012 LF 6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	55.50	21.64
For Up To 20, Add	37.63	
For >20 To 50, Add	20.98	
For >50 To 100, Add	8.33	
For >500 To 1,000, Deduct	-7.10	
For >1,000, Deduct	-12.04	
For Rolled Curb And Gutter	3.65	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 16 Curbs, Gutters, Sidewalks, And Driveways**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0013	LF		6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	61.66	24.24
			<i>For Up To 20, Add</i>	41.84	
			<i>For >20 To 50, Add</i>	23.34	
			<i>For >50 To 100, Add</i>	9.25	
			<i>For >500 To 1,000, Deduct</i>	-7.93	
			<i>For >1,000, Deduct</i>	-13.44	
			<i>For Rolled Curb And Gutter</i>	4.12	
32 16 13 13-0014			Cast In Place Concrete Curbs <small>(32 16 13 13)</small>		
			Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.		
32 16 13 13-0015	LF		6" x 12" Cast In Place Concrete Curb (Type A1-6)	16.92	8.77
			<i>For Up To 20, Add</i>	10.41	
			<i>For >20 To 50, Add</i>	5.91	
			<i>For >50 To 100, Add</i>	2.25	
			<i>For >500 To 1,000, Deduct</i>	-2.25	
			<i>For >1,000, Deduct</i>	-3.80	
32 16 13 13-0016	LF		6" x 12" Cast In Place Concrete Curb - Radius (Type A1-6)	19.39	10.10
			<i>For Up To 20, Add</i>	12.00	
			<i>For >20 To 50, Add</i>	6.81	
			<i>For >50 To 100, Add</i>	2.59	
			<i>For >500 To 1,000, Deduct</i>	-2.59	
			<i>For >1,000, Deduct</i>	-4.38	
32 16 13 13-0017	LF		6" x 14" Cast In Place Concrete Curb (Type A1-8)	18.62	8.77
			<i>For Up To 20, Add</i>	11.40	
			<i>For >20 To 50, Add</i>	6.47	
			<i>For >50 To 100, Add</i>	2.47	
			<i>For >500 To 1,000, Deduct</i>	-2.47	
			<i>For >1,000, Deduct</i>	-4.17	
32 16 13 13-0018	LF		6" x 14" Cast In Place Concrete Curb - Radius (Type A1-8)	21.36	10.10
			<i>For Up To 20, Add</i>	13.16	
			<i>For >20 To 50, Add</i>	7.47	
			<i>For >50 To 100, Add</i>	2.85	
			<i>For >500 To 1,000, Deduct</i>	-2.85	
			<i>For >1,000, Deduct</i>	-4.80	
32 16 13 13-0019	LF		6" x 16" Cast In Place Concrete Curb	20.49	8.77
			<i>For Up To 20, Add</i>	12.44	
			<i>For >20 To 50, Add</i>	7.05	
			<i>For >50 To 100, Add</i>	2.69	
			<i>For >500 To 1,000, Deduct</i>	-2.69	
			<i>For >1,000, Deduct</i>	-4.55	
32 16 13 13-0020	LF		6" x 16" Cast In Place Concrete Curb - Radius	23.47	13.16
			<i>For Up To 20, Add</i>	14.35	
			<i>For >20 To 50, Add</i>	8.14	
			<i>For >50 To 100, Add</i>	3.10	
			<i>For >500 To 1,000, Deduct</i>	-3.10	
			<i>For >1,000, Deduct</i>	-5.24	
32 16 13 13-0021	LF		6" x 18" Cast In Place Concrete Curb	21.99	8.77
			<i>For Up To 20, Add</i>	13.26	
			<i>For >20 To 50, Add</i>	7.52	
			<i>For >50 To 100, Add</i>	2.87	
			<i>For >500 To 1,000, Deduct</i>	-2.87	
			<i>For >1,000, Deduct</i>	-4.86	
32 16 13 13-0022	LF		6" x 18" Cast In Place Concrete Curb - Radius	24.87	10.10
			<i>For Up To 20, Add</i>	15.06	
			<i>For >20 To 50, Add</i>	8.54	
			<i>For >50 To 100, Add</i>	3.26	
			<i>For >500 To 1,000, Deduct</i>	-3.26	
			<i>For >1,000, Deduct</i>	-5.51	
32 16 13 13-0023	LF		6" x 24" Cast In Place Concrete Curb	25.22	9.66
			<i>For Up To 20, Add</i>	14.80	
			<i>For >20 To 50, Add</i>	8.38	
			<i>For >50 To 100, Add</i>	3.21	
			<i>For >500 To 1,000, Deduct</i>	-3.21	
			<i>For >1,000, Deduct</i>	-5.45	
32 16 13 13-0024	LF		6" x 24" Cast In Place Concrete Curb - Radius	28.22	10.97
			<i>For Up To 20, Add</i>	16.61	
			<i>For >20 To 50, Add</i>	9.40	
			<i>For >50 To 100, Add</i>	3.61	
			<i>For >500 To 1,000, Deduct</i>	-3.61	
			<i>For >1,000, Deduct</i>	-6.11	
32 16 13 13-0025	LF		12" x 24" Cast In Place Concrete Curb	33.15	10.97
			<i>For Up To 20, Add</i>	17.60	
			<i>For >20 To 50, Add</i>	9.90	
			<i>For >50 To 100, Add</i>	3.85	
			<i>For >500 To 1,000, Deduct</i>	-3.85	
			<i>For >1,000, Deduct</i>	-6.61	
32 16 13 13-0026	LF		12" x 24" Cast In Place Concrete Curb - Radius	36.90	12.29
			<i>For Up To 20, Add</i>	19.67	
			<i>For >20 To 50, Add</i>	11.06	
			<i>For >50 To 100, Add</i>	4.30	
			<i>For >500 To 1,000, Deduct</i>	-4.30	
			<i>For >1,000, Deduct</i>	-7.38	
32 16 13 13-0027	EA		Additional Finish For Handicap Drop Section In Curb	65.82	



Exterior Improvements		32
Bases, Ballasts, And Paving		32 10
Curbs, Gutters, Sidewalks, And Driveways		32 16

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0028			Concrete Band, Cast In Place <small>(32 16 13)</small>		
			Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.		
32 16 13 13-0029	LF		6" x 6" Concrete Band.....	15.54	8.77
			Note: Excludes base course.		
			<i>For Up To 20, Add</i>	10.13	
			<i>For >20 To 50, Add</i>	5.77	
			<i>For >50 To 100, Add</i>	2.18	
			<i>For >500 To 1,000, Deduct</i>	-2.18	
			<i>For >1,000, Deduct</i>	-3.66	
32 16 13 14			Machine Formed, Slip Form Curbs <small>(32 16 13)</small>		
			Note: Includes delivered concrete, steel, expansion joints and finish.		
32 16 13 14-0001	LF		6" x 12" Straight Concrete Curb, Machine Formed.....	11.12	
32 16 13 14-0002	LF		6" x 12" Curved Concrete Curb, Machine Formed.....	14.85	
32 16 13 14-0003	LF		6" x 18" Straight Concrete Curb, Machine Formed.....	14.75	
32 16 13 14-0004	LF		6" x 18" Curved Concrete Curb, Machine Formed.....	19.01	
32 16 13 16			Steel Faced Curbs <small>(32 16 13)</small>		
			Note: Fabrication includes handicap and other curb access cuts.		
32 16 13 16-0001			Sidewalk/Curb Facing <small>(32 16 13)</small>		
			Note: Fabrication includes handicap and other curb access cuts.		
32 16 13 16-0002	LF		3" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center.....	13.40	4.16
			<i>For Curved Section, Add</i>	2.89	
32 16 13 16-0003	LF		4" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center.....	14.73	4.73
			<i>For Curved Section, Add</i>	3.25	
32 16 13 16-0004	LF		6" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center.....	19.94	5.29
			<i>For Curved Section, Add</i>	3.99	
32 16 13 16-0005	LF		8" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center.....	24.51	5.96
			<i>For Curved Section, Add</i>	4.67	
32 16 13 16-0006	LF		10" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center.....	30.04	6.52
			<i>For Curved Section, Add</i>	5.44	
32 16 13 16-0007	LF		12" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center.....	39.30	8.31
			<i>For Curved Section, Add</i>	7.03	
32 16 13 16-0008	LF		13" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center.....	45.23	10.77
			<i>For Curved Section, Add</i>	8.55	
32 16 13 16-0009	EA		Sidewalk/Curb Steel Facing, Pedestrian Ramps, Two Drops Per Section.....	142.23	
32 16 13 19			Cast-In-Place Concrete Drainage Ditches <small>(32 16 13)</small>		
			Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.		
32 16 13 19-0001			Valley Gutter, Cast In Place <small>(32 16 13)</small>		
			Note: Includes concrete, forms, rebar, expansion joints, finish and curing.		
32 16 13 19-0002	LF		2' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	23.16	
			<i>For Up To 20, Add</i>	11.43	
			<i>For >20 To 50, Add</i>	6.39	
			<i>For >50 To 100, Add</i>	2.52	
			<i>For >500 To 1,000, Deduct</i>	-2.52	
			<i>For >1,000, Deduct</i>	-4.35	
32 16 13 19-0003	LF		2-1/2' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	28.34	
			<i>For Up To 20, Add</i>	13.86	
			<i>For >20 To 50, Add</i>	7.75	
			<i>For >50 To 100, Add</i>	3.06	
			<i>For >500 To 1,000, Deduct</i>	-3.06	
			<i>For >1,000, Deduct</i>	-5.29	
32 16 13 19-0004	LF		3' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	33.43	
			<i>For Up To 20, Add</i>	16.23	
			<i>For >20 To 50, Add</i>	9.07	
			<i>For >50 To 100, Add</i>	3.58	
			<i>For >500 To 1,000, Deduct</i>	-3.58	
			<i>For >1,000, Deduct</i>	-6.21	
32 16 13 19-0005	LF		3-1/2' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	38.51	
			<i>For Up To 20, Add</i>	18.59	
			<i>For >20 To 50, Add</i>	10.38	
			<i>For >50 To 100, Add</i>	4.10	
			<i>For >500 To 1,000, Deduct</i>	-4.10	
			<i>For >1,000, Deduct</i>	-7.12	
32 16 13 19-0006	LF		4' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	43.62	
			<i>For Up To 20, Add</i>	20.96	
			<i>For >20 To 50, Add</i>	11.71	
			<i>For >50 To 100, Add</i>	4.63	
			<i>For >500 To 1,000, Deduct</i>	-4.63	
			<i>For >1,000, Deduct</i>	-8.03	
32 16 13 19-0007	LF		5' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	51.46	
			<i>For Up To 20, Add</i>	24.06	
			<i>For >20 To 50, Add</i>	13.41	
			<i>For >50 To 100, Add</i>	5.33	
			<i>For >500 To 1,000, Deduct</i>	-5.33	
			<i>For >1,000, Deduct</i>	-9.28	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 16 Curbs, Gutters, Sidewalks, And Driveways**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 19-0008	LF		6' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	58.93	
			For Up To 20, Add	26.90	
			For >20 To 50, Add	14.96	
			For >50 To 100, Add	5.97	
			For >500 To 1,000, Deduct	-5.97	
			For >1,000, Deduct	-10.43	
32 16 13 19-0009	SF		>6' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	9.81	
			For Up To 100, Add	4.48	
			For >100 To 250, Add	2.49	
			For >250 To 500, Add	0.99	
			For >2,500 To 5,000, Deduct	-0.99	
			For >5,000, Deduct	-1.74	
32 16 13 19-0010	LF		2' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	25.34	
			For Up To 20, Add	12.23	
			For >20 To 50, Add	6.83	
			For >50 To 100, Add	2.70	
			For >500 To 1,000, Deduct	-2.70	
			For >1,000, Deduct	-4.68	
32 16 13 19-0011	LF		2-1/2' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	31.25	
			For Up To 20, Add	15.00	
			For >20 To 50, Add	8.37	
			For >50 To 100, Add	3.31	
			For >500 To 1,000, Deduct	-3.31	
			For >1,000, Deduct	-5.75	
32 16 13 19-0012	LF		3' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	36.64	
			For Up To 20, Add	17.39	
			For >20 To 50, Add	9.70	
			For >50 To 100, Add	3.85	
			For >500 To 1,000, Deduct	-3.85	
			For >1,000, Deduct	-6.68	
32 16 13 19-0013	LF		3-1/2' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	42.26	
			For Up To 20, Add	19.95	
			For >20 To 50, Add	11.12	
			For >50 To 100, Add	4.41	
			For >500 To 1,000, Deduct	-4.41	
			For >1,000, Deduct	-7.67	
32 16 13 19-0014	LF		4' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	47.85	
			For Up To 20, Add	22.49	
			For >20 To 50, Add	12.53	
			For >50 To 100, Add	4.98	
			For >500 To 1,000, Deduct	-4.98	
			For >1,000, Deduct	-8.66	
32 16 13 19-0015	LF		5' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	56.59	
			For Up To 20, Add	25.85	
			For >20 To 50, Add	14.38	
			For >50 To 100, Add	5.74	
			For >500 To 1,000, Deduct	-5.74	
			For >1,000, Deduct	-10.02	
32 16 13 19-0016	LF		6' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	64.95	
			For Up To 20, Add	28.95	
			For >20 To 50, Add	16.07	
			For >50 To 100, Add	6.44	
			For >500 To 1,000, Deduct	-6.44	
			For >1,000, Deduct	-11.28	
32 16 13 19-0017	SF		>6' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	10.82	
			For Up To 100, Add	4.82	
			For >100 To 250, Add	2.68	
			For >250 To 500, Add	1.07	
			For >2,500 To 5,000, Deduct	-1.07	
			For >5,000, Deduct	-1.88	
32 16 13 19-0018	LF		2' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	25.65	
			For Up To 20, Add	12.67	
			For >20 To 50, Add	7.09	
			For >50 To 100, Add	2.79	
			For >500 To 1,000, Deduct	-2.79	
			For >1,000, Deduct	-4.83	
32 16 13 19-0019	LF		2-1/2' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	31.41	
			For Up To 20, Add	15.38	
			For >20 To 50, Add	8.60	
			For >50 To 100, Add	3.39	
			For >500 To 1,000, Deduct	-3.39	
			For >1,000, Deduct	-5.87	
32 16 13 19-0020	LF		3' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	37.05	
			For Up To 20, Add	18.01	
			For >20 To 50, Add	10.06	
			For >50 To 100, Add	3.97	
			For >500 To 1,000, Deduct	-3.97	
			For >1,000, Deduct	-6.88	
32 16 13 19-0021	LF		3-1/2' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	42.69	
			For Up To 20, Add	20.63	
			For >20 To 50, Add	11.53	
			For >50 To 100, Add	4.55	
			For >500 To 1,000, Deduct	-4.55	
			For >1,000, Deduct	-7.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 19-0022 LF 4' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	48.33	
<i>For Up To 20, Add</i>	23.26	
<i>For >20 To 50, Add</i>	12.99	
<i>For >50 To 100, Add</i>	5.14	
<i>For >500 To 1,000, Deduct</i>	-5.14	
<i>For >1,000, Deduct</i>	-8.91	
32 16 13 19-0023 LF 5' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	57.02	
32 16 13 19-0024 LF 6' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	65.31	
32 16 13 19-0025 SF >6' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	10.89	
<i>For Up To 100, Add</i>	4.98	
<i>For >100 To 250, Add</i>	2.77	
<i>For >250 To 500, Add</i>	1.10	
<i>For >2,500 To 5,000, Deduct</i>	-1.10	
<i>For >5,000, Deduct</i>	-1.93	
32 16 13 23 Precast Concrete Curbs And Gutters (32 16 13)		
32 16 13 23-0001 LF 6" x 18" Precast Concrete Curb.....	36.46	8.05
32 16 13 23-0002 LF 6" x 18" Precast Concrete Curb, Radius.....	43.70	9.27
32 16 13 23-0003 LF 6" x 20" Precast Concrete Curb.....	38.79	8.05
32 16 13 23-0004 LF 6" x 20" Precast Concrete Curb, Radius.....	46.77	9.27
32 16 13 23-0005 LF 7" x 18" Precast Concrete Curb.....	39.85	8.05
32 16 13 23-0006 LF 7" x 18" Precast Concrete Curb, Radius.....	48.00	9.27
32 16 13 23-0007 LF 7" x 20" Precast Concrete Curb.....	42.49	8.05
32 16 13 23-0008 LF 7" x 20" Precast Concrete Curb, Radius.....	51.34	9.27
32 16 13 33 Asphalt Curbs (32 16 13)		
32 16 13 33-0001 Asphalt Curbs (32 16 13 33)		
32 16 13 33-0002 LF 6" Wide x 6" High Asphalt Curb 64 LF/TON, Bituminous, Plain.....	10.79	4.25
32 16 13 33-0003 LF 8" Wide x 6" High Asphalt Curb 50 LF/TON, Bituminous, Plain.....	12.16	4.73
32 16 13 33-0004 LF 8" Wide x 8" High Asphalt Curb 44 LF/TON, Bituminous, Plain.....	13.42	5.20
32 16 13 43 Stone Curbs (32 16 13)		
32 16 13 43-0001 Remove And Reset Stone And Precast Curbing (32 16 13 43)		
Note: Includes storage and cleaning.		
32 16 13 43-0002 LF Removal And Resetting Of Stone Or Precast Curbing.....	30.08	
Note: Includes storage and cleaning.		
32 16 23 Sidewalks (32 16)		
32 16 23 00-0001 Cast In Place Concrete Sidewalk (32 16 23)		
Note: Includes finish grading, delivered concrete (up to 3500 PSI) by chute, formwork, 1/4" radius joints and edges, polyethylene sheeting, control joints, expansion joints, screed, broom finish, and curing. Excludes excavation, base, base compaction and welded wire reinforcement. For bar or fiber reinforcing, add bar or fiber reinforcing tasks. See CSI section 03 21 00 00-0000 for reinforcing steel, 03 31 13 00-0081 for buggies, 03 31 13 00-0088 for short loads, 03 37 16 00-0001 for pumping with boom truck, 31 00 00 00-0000 for excavation, 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.		
32 16 23 00-0002 SF 4" Cast In Place Concrete Sidewalk.....	7.80	
<i>For Up To 100, Add</i>	3.35	
<i>For >100 To 500, Add</i>	0.95	
<i>For >1,000 To 5,000, Deduct</i>	-0.56	
<i>For >5,000, Deduct</i>	-1.23	
<i>For Welded Wire Reinforcement, Add</i>	0.65	
32 16 23 00-0003 SF 5" Cast In Place Concrete Sidewalk.....	8.52	
<i>For Up To 100, Add</i>	3.58	
<i>For >100 To 500, Add</i>	1.01	
<i>For >1,000 To 5,000, Deduct</i>	-0.58	
<i>For >5,000, Deduct</i>	-1.30	
<i>For Welded Wire Reinforcement, Add</i>	0.65	
32 16 23 00-0004 SF 6" Cast In Place Concrete Sidewalk.....	9.23	
<i>For Up To 100, Add</i>	3.81	
<i>For >100 To 500, Add</i>	1.06	
<i>For >1,000 To 5,000, Deduct</i>	-0.60	
<i>For >5,000, Deduct</i>	-1.36	
<i>For Welded Wire Reinforcement, Add</i>	0.65	
32 16 23 00-0005 SF 7" Cast In Place Concrete Sidewalk.....	10.69	
<i>For Up To 100, Add</i>	4.38	
<i>For >100 To 500, Add</i>	1.22	
<i>For >1,000 To 5,000, Deduct</i>	-0.68	
<i>For >5,000, Deduct</i>	-1.56	
<i>For Welded Wire Reinforcement, Add</i>	0.65	
32 16 23 00-0006 SF 8" Cast In Place Concrete Sidewalk.....	11.32	
<i>For Up To 100, Add</i>	4.56	
<i>For >100 To 500, Add</i>	1.26	
<i>For >1,000 To 5,000, Deduct</i>	-0.69	
<i>For >5,000, Deduct</i>	-1.61	
<i>For Welded Wire Reinforcement, Add</i>	0.65	
32 16 23 00-0007 SF For Exposed Aggregate Finish In Sidewalk.....	2.00	
32 16 23 00-0008 EA Finish Concrete Handicap Drop Section In Sidewalk.....	119.56	
Note: Excludes patterned (tactile) finish.		

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 16	Curbs, Gutters, Sidewalks, And Driveways



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 16 23 00-0009	Bituminous Sidewalk <small>(32 16 23)</small>		
	Note: Includes finish grading, delivered asphalt, formwork, control joints, expansion joints, and compaction. Excludes excavation, base, and base compaction. See CSI section 31 00 00 00-0000 for excavation, 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.		
32 16 23 00-0010	SY 1" Bituminous Sidewalk.....	8.43	
	For Up To 100, Add	3.05	
	For >100 To 500, Add	0.80	
	For >1,000 To 5,000, Deduct	-0.38	
	For >5,000, Deduct	-0.80	
32 16 23 00-0011	SY 1-1/2" Bituminous Sidewalk.....	10.62	
	For Up To 100, Add	3.79	
	For >100 To 500, Add	0.98	
	For >1,000 To 5,000, Deduct	-0.45	
	For >5,000, Deduct	-0.98	
32 16 23 00-0012	SY 2" Bituminous Sidewalk.....	14.89	
	For Up To 100, Add	5.13	
	For >100 To 500, Add	1.31	
	For >1,000 To 5,000, Deduct	-0.56	
	For >5,000, Deduct	-1.31	
32 16 23 00-0013	SY 2-1/2" Bituminous Sidewalk.....	18.62	
	For Up To 100, Add	6.40	
	For >100 To 500, Add	1.63	
	For >1,000 To 5,000, Deduct	-0.70	
	For >5,000, Deduct	-1.63	
32 16 23 00-0014	SY 3" Bituminous Sidewalk.....	21.53	
	For Up To 100, Add	7.27	
	For >100 To 500, Add	1.83	
	For >1,000 To 5,000, Deduct	-0.76	
	For >5,000, Deduct	-1.83	
32 16 23 00-0015	SY 3-1/2" Bituminous Sidewalk.....	24.98	
	For Up To 100, Add	8.32	
	For >100 To 500, Add	2.08	
	For >1,000 To 5,000, Deduct	-0.83	
	For >5,000, Deduct	-2.08	

32 16 43 Asphalt Dike (32 16)

32 16 43 00-0001	Asphalt Dike <small>(32 16 43)</small>		
32 16 43 00-0002	LF Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height.....	6.03	
32 16 43 00-0003	LF Type B, Asphalt Dike, 13" Base, 5" Top, 8" Height.....	8.33	
32 16 43 00-0004	LF Type C-6, Asphalt Dike, 18" Base, 6" Top, 6" Height.....	8.33	
32 16 43 00-0005	LF Type C-8, Asphalt Dike, 22" Base, 6" Top, 8" Height.....	12.02	
32 16 43 00-0006	LF Type C-9, Asphalt Dike, 24" Base, 6" Top, 9" Height.....	14.26	
32 16 43 00-0007	LF Type D, Asphalt Dike, 8" Base, 4" Top, 2" Height.....	3.04	
32 16 43 00-0008	LF Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back.....	8.68	
32 16 43 00-0009	LF Type F, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back.....	13.40	
32 16 43 00-0010	LF CALTRANS Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height.....	6.03	
32 16 43 00-0011	LF CALTRANS Type C, Asphalt Dike, 8" Base, 4" Top, 2" Height.....	3.04	
32 16 43 00-0012	LF CALTRANS Type D, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back.....	13.40	
32 16 43 00-0013	LF CALTRANS Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back.....	8.68	
32 16 43 00-0014	LF CALTRANS Type F, Asphalt Dike, 8" Base, 4" Top, 4" Height.....	4.49	

32 17 Paving Specialties (32 10)

32 17 13 Parking Bumpers (32 17)

Note: Includes dowels set.

32 17 13 16 Plastic Parking Bumpers (32 17 13)

32 17 13 16-0001	EA 4" x 6" x 4' Recycled Plastic Wheel Stop.....	77.68	5.83
32 17 13 16-0002	EA 4" x 6" x 6' Recycled Plastic Wheel Stop.....	87.21	5.83

32 17 13 19 Precast Concrete Parking Bumpers (32 17 13)

32 17 13 19-0001	EA 6" x 8" x 4' Precast Concrete Wheel Stop With Dowels.....	49.25	17.56
32 17 13 19-0002	EA 6" x 6" x 6' Precast Concrete Wheel Stop With Dowels.....	57.33	17.56
32 17 13 19-0003	EA 6" x 8" x 6' Precast Concrete Wheel Stop With Dowels.....	58.64	17.56
32 17 13 19-0004	EA 6" x 10" x 6' Precast Concrete Wheel Stop With Dowels.....	61.33	17.56
32 17 13 19-0005	EA 8" x 4-1/2" x 6' Precast Concrete Wheel Stop With Dowels.....	57.33	17.56
32 17 13 19-0006	EA 8" x 13" x 6' Precast Concrete Wheel Stop With Dowels.....	72.17	17.56

32 17 13 23 Rubber Parking Bumpers (32 17 13)

32 17 13 23-0001	EA 3' Recycled Rubber Wheel Stop.....	26.78	5.83
32 17 13 23-0002	EA 4' Recycled Rubber Wheel Stop.....	31.46	5.83
32 17 13 23-0003	EA 5' Recycled Rubber Wheel Stop.....	33.33	5.83
32 17 13 23-0004	EA 6' Recycled Rubber Wheel Stop.....	36.14	5.83

32 17 13 26 Wood Parking Bumpers (32 17 13)



Exterior Improvements		32
Bases, Ballasts, And Paving		32 10
Paving Specialties		32 17

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 13 26-0001 LF 4" x 4" Timber Barrier With Saddles For Cars, Pressure Treated.....	7.62	1.41
32 17 13 26-0002 LF 6" x 6" Timber Barriers With Saddle For Trucks, Pressure Treated.....	9.63	1.41
32 17 13 33 Remove And Relocate Parking Bumpers (32 17 13)		
32 17 13 33-0001 EA Removal And Relocation Of Precast Concrete Wheel Stop.....	28.08	
32 17 13 33-0002 EA Removal And Relocation Of Plastic Or Wood Wheel Stop	18.26	
32 17 16 Speed Bumps (32 17)		
32 17 16 00-0001 Speed Bumps (32 17 16)		
Note: Excludes pavement markings or reflectors.		
32 17 16 00-0002 LF 2-1/4" High x 10-1/2" Wide, Asphalt Speed Bump	33.67	1.46
32 17 16 00-0003 LF 3-1/2" High x 12" Wide, Asphalt Speed Bump	58.21	
Note: Excludes striping.		
32 17 16 00-0004 LF 2-1/4" High x 12" Wide, Recycled Rubber Speed Bump	26.54	0.97
32 17 16 00-0005 LF 2-5/8" High x 12" Wide, Recycled Plastic Speed Bump	49.52	0.97
32 17 16 00-0006 Modular Rubber Speed Tables (32 17 16)		
Note: 3" high flat topped speed humps, 18" x 42" modular rubber construction. Trafficlogix.		
32 17 16 00-0007 SF Up To 24' Road Width x 7' Run Modular Rubber Speed Table.....	43.67	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0008 SF Up To 24' Road Width x 14' Run Modular Rubber Speed Table.....	38.15	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0009 SF Up To 24' Road Width x 21' Run Modular Rubber Speed Table.....	35.69	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0010 SF >24' To 30' Road Width x 7' Run Modular Rubber Speed Table.....	41.76	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0011 SF >24' To 30' Road Width x 14' Run Modular Rubber Speed Table.....	36.62	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0012 SF >24' To 30' Road Width x 21' Run Modular Rubber Speed Table.....	34.43	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0013 SF >30' To 40' Road Width x 7' Run Modular Rubber Speed Table.....	39.81	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0014 SF >30' To 40' Road Width x 14' Run Modular Rubber Speed Table.....	35.44	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0015 SF >30' To 40' Road Width x 21' Run Modular Rubber Speed Table.....	33.39	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0016 Asphalt Speed Table (32 17 16)		
Note: Excludes pavement markings or reflectors.		
32 17 16 00-0017 LF Up to 36" Wide Asphalt Speed Table With 3" Center Crown.....	30.04	
Note: Tapered on edges to roadway.		
32 17 16 00-0018 LF >36" To 48" Wide Asphalt Speed Table With 3" Center Crown	35.54	
Note: Tapered on edges to roadway.		
32 17 16 00-0019 LF Up to 36" Wide Asphalt Speed Table With 4" Center Crown	37.80	
Note: Tapered on edges to roadway.		
32 17 16 00-0020 LF >36" To 48" Wide Asphalt Speed Table With 4" Center Crown	44.72	
Note: Tapered on edges to roadway.		
32 17 16 00-0021 LF Up to 36" Wide Asphalt Speed Table With 6" Center Crown	45.91	
Note: Tapered on edges to roadway.		
32 17 16 00-0022 LF >36" To 48" Wide Asphalt Speed Table With 6" Center Crown	51.40	
Note: Tapered on edges to roadway.		
32 17 16 00-0023 Concrete Speed Table (32 17 16)		
32 17 16 00-0024 SF Concrete Speed Table.....	11.68	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 23 Pavement Markings (32 17)		
See CSI section 01 55 26 00-0000 for temporary markings and removable line mask tape.		
32 17 23 13 Painted Pavement Markings (32 17 23)		
32 17 23 13-0001 Painted Pavement Striping, Letters, Symbols And Markers For Roads (32 17 23)		
Note: Includes primers, adhesive and glass beads where required. For broken line quantities use total lane length. Per Coat.		
32 17 23 13-0002 Alkyd/Solvent Based/Latex Reflective Pavement Marking (32 17 23 13-0001)		
Note: 15 mil thickness.		

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 17	Paving Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0003	LF		Single 4" Wide Solid Line, Painted Reflective Pavement Striping.....	0.24	
			<i>For Up To 5,000 LF, Add</i>	0.05	
			<i>For >25,000 LF, Deduct</i>	-0.04	
			<i>For Broken Line, Deduct</i>	-0.04	
32 17 23 13-0004	LF		Single 6" Wide Solid Line, Painted Reflective Pavement Striping.....	0.31	
			<i>For Up To 5,000 LF, Add</i>	0.06	
			<i>For >25,000 LF, Deduct</i>	-0.05	
			<i>For Broken Line, Deduct</i>	-0.06	
32 17 23 13-0005	LF		Single 8" Wide Solid Line, Painted Reflective Pavement Striping.....	0.39	
			<i>For Up To 5,000 LF, Add</i>	0.08	
			<i>For >25,000 LF, Deduct</i>	-0.06	
			<i>For Broken Line, Deduct</i>	-0.08	
32 17 23 13-0006	LF		Single 12" Wide Solid Line, Painted Reflective Pavement Striping.....	0.53	
			<i>For Up To 5,000 LF, Add</i>	0.11	
			<i>For >25,000 LF, Deduct</i>	-0.08	
			<i>For Broken Line, Deduct</i>	-0.11	
32 17 23 13-0007	LF		Double 4" Wide Solid Lines, Painted Reflective Pavement Striping.....	0.36	
			<i>For Up To 5,000 LF, Add</i>	0.07	
			<i>For >25,000 LF, Deduct</i>	-0.05	
			<i>For Broken Line On One Side, Deduct</i>	-0.04	
			<i>For Double Broken Line, Deduct</i>	-0.08	
32 17 23 13-0008	LF		Double 6" Wide Solid Lines, Painted Reflective Pavement Striping.....	0.54	
			<i>For Up To 5,000 LF, Add</i>	0.11	
			<i>For >25,000 LF, Deduct</i>	-0.08	
			<i>For Broken Line On One Side, Deduct</i>	-0.06	
			<i>For Double Broken Line, Deduct</i>	-0.11	
32 17 23 13-0009	SF		Solid Area, Painted Reflective Pavement Striping.....	5.21	
			Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
32 17 23 13-0010	EA		6" High, Letter/Number, Alkyd Reflective Pavement Striping.....	3.73	
			<i>For <10, Add</i>	0.52	
			<i>For >50 To 100, Deduct</i>	-0.26	
			<i>For >100 To 200, Deduct</i>	-0.35	
			<i>For >200, Deduct</i>	-0.69	
32 17 23 13-0011	EA		12" High, Letter/Number, Alkyd Reflective Pavement Striping.....	6.19	
			<i>For <10, Add</i>	0.79	
			<i>For >50 To 100, Deduct</i>	-0.39	
			<i>For >100 To 200, Deduct</i>	-0.52	
			<i>For >200, Deduct</i>	-1.05	
32 17 23 13-0012	EA		24" High, Letter/Number, Alkyd Reflective Pavement Striping.....	10.38	
			<i>For <10, Add</i>	1.31	
			<i>For >50 To 100, Deduct</i>	-0.65	
			<i>For >100 To 200, Deduct</i>	-0.87	
			<i>For >200, Deduct</i>	-1.74	
32 17 23 13-0013	EA		36" High, Letter/Number, Alkyd Reflective Pavement Striping.....	20.35	
			<i>For <10, Add</i>	2.61	
			<i>For >50 To 100, Deduct</i>	-1.31	
			<i>For >100 To 200, Deduct</i>	-1.74	
			<i>For >200, Deduct</i>	-3.49	
32 17 23 13-0014	EA		48" High, Letter/Number, Alkyd Reflective Pavement Striping.....	23.35	
			<i>For <10, Add</i>	2.93	
			<i>For >50 To 100, Deduct</i>	-1.47	
			<i>For >100 To 200, Deduct</i>	-1.96	
			<i>For >200, Deduct</i>	-3.91	
32 17 23 13-0015	EA		72" High, Letter/Number, Alkyd Reflective Pavement Striping.....	41.71	
			<i>For <10, Add</i>	5.22	
			<i>For >50 To 100, Deduct</i>	-2.61	
			<i>For >100 To 200, Deduct</i>	-3.48	
			<i>For >200, Deduct</i>	-6.95	
32 17 23 13-0016	EA		96" High, Letter/Number, Alkyd Reflective Pavement Striping.....	55.84	
			<i>For <10, Add</i>	7.01	
			<i>For >50 To 100, Deduct</i>	-3.50	
			<i>For >100 To 200, Deduct</i>	-4.67	
			<i>For >200, Deduct</i>	-9.34	
32 17 23 13-0017	EA		120" High, Letter/Number, Alkyd Reflective Pavement Striping.....	78.25	
			<i>For <10, Add</i>	8.68	
			<i>For >50 To 100, Deduct</i>	-4.34	
			<i>For >100 To 200, Deduct</i>	-5.79	
			<i>For >200, Deduct</i>	-11.57	
32 17 23 13-0018	SF		Letter/Number, Painted Reflective Pavement Marking.....	5.90	
32 17 23 13-0019	SF		Symbols, Painted Reflective Pavement Marking.....	7.08	
			Note: Handicap, railroad, diamond, arrows, etc.		
32 17 23 13-0020			Pavement Marking (CALTRANS) <small>(32 17 23 13-0001)</small>		
			Note: Per LF of detail.		
32 17 23 13-0021	LF		CALTRANS Detail 1 Centerline, Painted Reflective Pavement Striping.....	0.21	
			<i>For Up To 5,000 LF, Add</i>	0.04	
			<i>For >25,000 LF, Deduct</i>	-0.03	
32 17 23 13-0022	LF		CALTRANS Detail 2 Centerline, Painted Reflective Pavement Striping.....	0.29	
			<i>For Up To 5,000 LF, Add</i>	0.06	
			<i>For >25,000 LF, Deduct</i>	-0.04	
32 17 23 13-0023	LF		CALTRANS Detail 4 Centerline.....	0.49	
			<i>For Up To 5,000 LF, Add</i>	0.10	
			<i>For >25,000 LF, Deduct</i>	-0.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0024 LF CALTRANS Detail 5 Centerline, Painted Reflective Pavement Striping	0.20	
<i>For Up To 5,000 LF, Add</i>	0.04	
<i>For >25,000 LF, Deduct</i>	-0.03	
32 17 23 13-0025 LF CALTRANS Detail 6 Centerline, Painted Reflective Pavement Striping	0.29	
<i>For Up To 5,000 LF, Add</i>	0.06	
<i>For >25,000 LF, Deduct</i>	-0.04	
32 17 23 13-0026 LF CALTRANS Detail 7 Centerline	0.36	
<i>For Up To 5,000 LF, Add</i>	0.07	
<i>For >25,000 LF, Deduct</i>	-0.05	
32 17 23 13-0027 LF CALTRANS Detail 8 Lanelines, Painted Reflective Pavement Striping	0.21	
<i>For Up To 5,000 LF, Add</i>	0.04	
<i>For >25,000 LF, Deduct</i>	-0.03	
32 17 23 13-0028 LF CALTRANS Detail 9 Lanelines, Painted Reflective Pavement Striping	0.29	
<i>For Up To 5,000 LF, Add</i>	0.06	
<i>For >25,000 LF, Deduct</i>	-0.04	
32 17 23 13-0029 LF CALTRANS Detail 10 Lanelines	0.49	
<i>For Up To 5,000 LF, Add</i>	0.10	
<i>For >25,000 LF, Deduct</i>	-0.07	
32 17 23 13-0030 LF CALTRANS Detail 11 Lanelines, Painted Reflective Pavement Striping	0.20	
<i>For Up To 5,000 LF, Add</i>	0.04	
<i>For >25,000 LF, Deduct</i>	-0.03	
32 17 23 13-0031 LF CALTRANS Detail 12 Lanelines, Painted Reflective Pavement Striping	0.29	
<i>For Up To 5,000 LF, Add</i>	0.06	
<i>For >25,000 LF, Deduct</i>	-0.04	
32 17 23 13-0032 LF CALTRANS Detail 13 Lanelines	0.36	
<i>For Up To 5,000 LF, Add</i>	0.07	
<i>For >25,000 LF, Deduct</i>	-0.05	
32 17 23 13-0033 LF CALTRANS Detail 14 Lanelines	0.36	
<i>For Up To 5,000 LF, Add</i>	0.07	
<i>For >25,000 LF, Deduct</i>	-0.05	
32 17 23 13-0034 LF CALTRANS Detail 14A Lanelines, Painted Reflective Pavement Striping.....	0.29	
<i>For Up To 5,000 LF, Add</i>	0.06	
<i>For >25,000 LF, Deduct</i>	-0.04	
32 17 23 13-0035 LF CALTRANS Detail 15 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping.....	0.26	
<i>For Up To 5,000 LF, Add</i>	0.05	
<i>For >25,000 LF, Deduct</i>	-0.04	
<i>For Broken Line On One Side, Deduct</i>	-0.03	
<i>For Double Broken Line, Deduct</i>	-0.05	
32 17 23 13-0036 LF CALTRANS Detail 16 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping.....	0.60	
<i>For Up To 5,000 LF, Add</i>	0.12	
<i>For >25,000 LF, Deduct</i>	-0.09	
32 17 23 13-0037 LF CALTRANS Detail 17 No Passing Zones-One Direction Lanelines.....	1.45	
<i>For Up To 5,000 LF, Add</i>	0.29	
<i>For >25,000 LF, Deduct</i>	-0.22	
32 17 23 13-0038 LF CALTRANS Detail 18 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping.....	0.26	
<i>For Up To 5,000 LF, Add</i>	0.05	
<i>For >25,000 LF, Deduct</i>	-0.04	
<i>For Broken Line On One Side, Deduct</i>	-0.03	
<i>For Double Broken Line, Deduct</i>	-0.05	
32 17 23 13-0039 LF CALTRANS Detail 19 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping.....	0.51	
<i>For Up To 5,000 LF, Add</i>	0.10	
<i>For >25,000 LF, Deduct</i>	-0.08	
32 17 23 13-0040 LF CALTRANS Detail 20 No Passing Zones-One Direction Lanelines.....	1.23	
<i>For Up To 5,000 LF, Add</i>	0.25	
<i>For >25,000 LF, Deduct</i>	-0.18	
32 17 23 13-0041 LF CALTRANS Detail 21 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping.....	0.30	
<i>For Up To 5,000 LF, Add</i>	0.06	
<i>For >25,000 LF, Deduct</i>	-0.05	
<i>For Broken Line On One Side, Deduct</i>	-0.04	
<i>For Double Broken Line, Deduct</i>	-0.08	
32 17 23 13-0042 LF CALTRANS Detail 22 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping.....	0.64	
<i>For Up To 5,000 LF, Add</i>	0.13	
<i>For >25,000 LF, Deduct</i>	-0.10	
32 17 23 13-0043 LF CALTRANS Detail 23 No Passing Zones-Two Direction Lanelines.....	1.72	
<i>For Up To 5,000 LF, Add</i>	0.34	
<i>For >25,000 LF, Deduct</i>	-0.26	
32 17 23 13-0044 LF CALTRANS Detail 24 Left Edgelines, Painted Reflective Pavement Striping.....	0.25	
<i>For Up To 5,000 LF, Add</i>	0.05	
<i>For >25,000 LF, Deduct</i>	-0.04	
32 17 23 13-0045 LF CALTRANS Detail 25 Left Edgelines, Painted Reflective Pavement Striping.....	0.33	
<i>For Up To 5,000 LF, Add</i>	0.07	
<i>For >25,000 LF, Deduct</i>	-0.05	
32 17 23 13-0046 LF CALTRANS Detail 25A Left Edgelines, Painted Reflective Pavement Striping	0.41	
<i>For Up To 5,000 LF, Add</i>	0.08	
<i>For >25,000 LF, Deduct</i>	-0.06	
32 17 23 13-0047 LF CALTRANS Detail 26 Left Edgelines.....	0.08	
<i>For Up To 5,000 LF, Add</i>	0.02	
<i>For >25,000 LF, Deduct</i>	-0.01	
32 17 23 13-0048 LF CALTRANS Detail 27 Left Edgelines, Painted Reflective Pavement Striping.....	0.39	
<i>For Up To 5,000 LF, Add</i>	0.08	
<i>For >25,000 LF, Deduct</i>	-0.06	
32 17 23 13-0049 LF CALTRANS Detail 27B Right Edgelines, Painted Reflective Pavement Striping.....	0.25	
<i>For Up To 5,000 LF, Add</i>	0.05	
<i>For >25,000 LF, Deduct</i>	-0.04	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 17 Paving Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0050 LF CALTRANS Detail 27C Right Edgeline Extension Through Intersections, Painted Reflective Pavement Striping.....	0.20	
For Up To 5,000 LF, Add	0.04	
For >25,000 LF, Deduct	-0.03	
32 17 23 13-0051 LF CALTRANS Detail 28 Median Islands, Painted Reflective Pavement Striping.....	0.62	
For Up To 5,000 LF, Add	0.12	
For >25,000 LF, Deduct	-0.09	
For Broken Line On One Side, Deduct	-0.09	
For Double Broken Line, Deduct	-0.17	
32 17 23 13-0052 LF CALTRANS Detail 29 Median Islands, Painted Reflective Pavement Striping.....	0.95	
For Up To 5,000 LF, Add	0.19	
For >25,000 LF, Deduct	-0.14	
32 17 23 13-0053 LF CALTRANS Detail 30 Median Islands.....	3.45	
For Up To 5,000 LF, Add	0.69	
For >25,000 LF, Deduct	-0.52	
32 17 23 13-0054 LF CALTRANS Detail 31 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping.....	0.53	
For Up To 5,000 LF, Add	0.11	
For >25,000 LF, Deduct	-0.08	
For Broken Line On One Side, Deduct	-0.05	
For Double Broken Line, Deduct	-0.11	
32 17 23 13-0055 LF CALTRANS Detail 32 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping.....	0.94	
For Up To 5,000 LF, Add	0.19	
For >25,000 LF, Deduct	-0.14	
32 17 23 13-0056 LF CALTRANS Detail 33 Two-Way Left Turn Lanes.....	2.36	
For Up To 5,000 LF, Add	0.47	
For >25,000 LF, Deduct	-0.35	
32 17 23 13-0057 LF CALTRANS Detail 34 Intersection Treatments, Painted Reflective Pavement Striping.....	0.51	
For Up To 5,000 LF, Add	0.10	
For >25,000 LF, Deduct	-0.08	
32 17 23 13-0058 LF CALTRANS Detail 34A Intersection Treatments, Painted Reflective Pavement Striping.....	0.26	
For Up To 5,000 LF, Add	0.05	
For >25,000 LF, Deduct	-0.04	
32 17 23 13-0059 LF CALTRANS Detail 35 Intersection Treatments, Painted Reflective Pavement Striping.....	0.61	
For Up To 5,000 LF, Add	0.12	
For >25,000 LF, Deduct	-0.09	
32 17 23 13-0060 LF CALTRANS Detail 35A Intersection Treatments, Painted Reflective Pavement Striping.....	0.26	
For Up To 5,000 LF, Add	0.05	
For >25,000 LF, Deduct	-0.04	
32 17 23 13-0061 LF CALTRANS Detail 36 Exit Ramp Neutral Area (Gore) Treatment, Painted Reflective Pavement Striping.....	1.12	
For Up To 5,000 LF, Add	0.22	
For >25,000 LF, Deduct	-0.17	
32 17 23 13-0062 LF CALTRANS Detail 36A Entrance Ramp Neutral Area (Merge) Treatment, Painted Reflective Pavement Striping.....	0.75	
For Up To 5,000 LF, Add	0.15	
For >25,000 LF, Deduct	-0.11	
32 17 23 13-0063 LF CALTRANS Detail 36B Entrance Ramp Neutral Area (Acceleration Lane) Treatment, Painted Reflective Pavement Striping.....	0.80	
For Up To 5,000 LF, Add	0.16	
For >25,000 LF, Deduct	-0.12	
32 17 23 13-0064 LF CALTRANS Detail 37 Lane Drop At Exit Ramps, Painted Reflective Pavement Striping.....	0.70	
For Up To 5,000 LF, Add	0.14	
For >25,000 LF, Deduct	-0.11	
32 17 23 13-0065 LF CALTRANS Detail 37A Lane Drop At Exit Ramps.....	1.16	
For Up To 5,000 LF, Add	0.23	
For >25,000 LF, Deduct	-0.17	
32 17 23 13-0066 LF CALTRANS Detail 37B Lane Drop At Intersections, Painted Reflective Pavement Striping.....	0.70	
For Up To 5,000 LF, Add	0.14	
For >25,000 LF, Deduct	-0.11	
32 17 23 13-0067 LF CALTRANS Detail 37C Lane Drop At Intersections.....	1.16	
For Up To 5,000 LF, Add	0.23	
For >25,000 LF, Deduct	-0.17	
32 17 23 13-0068 LF CALTRANS Detail 38 Channelizing Line, Painted Reflective Pavement Striping.....	0.68	
For Up To 5,000 LF, Add	0.14	
For >25,000 LF, Deduct	-0.10	
32 17 23 13-0069 LF CALTRANS Detail 38A Channelizing Line, Painted Reflective Pavement Striping.....	0.52	
For Up To 5,000 LF, Add	0.10	
For >25,000 LF, Deduct	-0.08	
32 17 23 13-0070 LF CALTRANS Detail 38B Channelizing Line, Painted Reflective Pavement Striping.....	0.85	
For Up To 5,000 LF, Add	0.17	
For >25,000 LF, Deduct	-0.13	
32 17 23 13-0071 LF CALTRANS Detail 38C Channelizing Line.....	1.72	
For Up To 5,000 LF, Add	0.34	
For >25,000 LF, Deduct	-0.26	
32 17 23 13-0072 LF CALTRANS Detail 39 Bike Lane Line, Painted Reflective Pavement Striping.....	0.30	
For Up To 5,000 LF, Add	0.06	
For >25,000 LF, Deduct	-0.05	
32 17 23 13-0073 LF CALTRANS Detail 39A Intersection Line Bike Lane, Painted Reflective Pavement Striping.....	0.25	
For Up To 5,000 LF, Add	0.05	
For >25,000 LF, Deduct	-0.04	
32 17 23 13-0074 LF CALTRANS Detail 40 Lane Line Extensions Through Intersections, Painted Reflective Pavement Striping.....	0.20	
For Up To 5,000 LF, Add	0.04	
For >25,000 LF, Deduct	-0.03	
32 17 23 13-0075 LF CALTRANS Detail 40A Lane Line Extensions Through Intersections.....	0.83	
For Up To 5,000 LF, Add	0.17	
For >25,000 LF, Deduct	-0.12	
32 17 23 13-0076 LF CALTRANS Detail 41 Center Line Extensions Through Intersections, Painted Reflective Pavement Striping.....	0.20	
For Up To 5,000 LF, Add	0.04	
For >25,000 LF, Deduct	-0.03	



		Exterior Improvements		32
		Bases, Ballasts, And Paving		32 10
		Paving Specialties		32 17

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0077	LF		CALTRANS Detail 41A Center Line Extensions Through Intersections.....	0.83	
			For Up To 5,000 LF, Add	0.17	
			For >25,000 LF, Deduct	-0.12	
32 17 23 13-0078	EA		CALTRANS 10' Arrow, Type I, Painted Reflective Pavement Marking.....	94.17	
			For <10, Add	12.69	
			For >50 To 100, Deduct	-6.35	
			For >100 To 200, Deduct	-8.46	
			For >200, Deduct	-16.92	
32 17 23 13-0079	EA		CALTRANS 18' Arrow, Type I, Painted Reflective Pavement Marking.....	165.15	
			For <10, Add	22.21	
			For >50 To 100, Deduct	-11.10	
			For >100 To 200, Deduct	-14.81	
			For >200, Deduct	-29.61	
32 17 23 13-0080	EA		CALTRANS 24' Arrow, Type I, Painted Reflective Pavement Marking.....	207.32	
			For <10, Add	27.92	
			For >50 To 100, Deduct	-13.96	
			For >100 To 200, Deduct	-18.61	
			For >200, Deduct	-37.22	
32 17 23 13-0081	EA		CALTRANS 24' Arrow With Single (L or R) Turn Arrow, Type II, Painted Reflective Pavement Marking.....	301.50	
			For <10, Add	40.61	
			For >50 To 100, Deduct	-20.30	
			For >100 To 200, Deduct	-27.07	
			For >200, Deduct	-54.15	
32 17 23 13-0082	EA		CALTRANS 24' Arrow With Both (L and R) Turn Arrows, Type II, Painted Reflective Pavement Marking.....	395.67	
			For <10, Add	53.30	
			For >50 To 100, Deduct	-26.65	
			For >100 To 200, Deduct	-35.53	
			For >200, Deduct	-71.07	
32 17 23 13-0083	EA		CALTRANS 24' Arrow Single (L or R) Turn Arrow, Type III, Painted Reflective Pavement Marking.....	278.30	
			For <10, Add	37.44	
			For >50 To 100, Deduct	-18.72	
			For >100 To 200, Deduct	-24.96	
			For >200, Deduct	-49.92	
32 17 23 13-0084	EA		CALTRANS 24' Arrow Both (L and R) Turn Arrows, Type III, Painted Reflective Pavement Marking.....	485.62	
			For <10, Add	65.36	
			For >50 To 100, Deduct	-32.68	
			For >100 To 200, Deduct	-43.57	
			For >200, Deduct	-87.14	
32 17 23 13-0085	EA		CALTRANS 8' Turn Arrow (L or R), Type IV, Painted Reflective Pavement Marking.....	99.09	
			For <10, Add	13.32	
			For >50 To 100, Deduct	-6.66	
			For >100 To 200, Deduct	-8.88	
			For >200, Deduct	-17.77	
32 17 23 13-0086	EA		CALTRANS 24' Arrow, Type V, Painted Reflective Pavement Marking.....	217.15	
			For <10, Add	29.19	
			For >50 To 100, Deduct	-14.59	
			For >100 To 200, Deduct	-19.46	
			For >200, Deduct	-38.92	
32 17 23 13-0087	EA		CALTRANS 18' Arrow, Type VI, Painted Reflective Pavement Marking.....	278.30	
			For <10, Add	37.44	
			For >50 To 100, Deduct	-18.72	
			For >100 To 200, Deduct	-24.96	
			For >200, Deduct	-49.92	
32 17 23 13-0088	EA		CALTRANS 13' Arrow With Single (L or R) Turn Arrow, Type VII, Painted Reflective Pavement Marking.....	179.33	
			For <10, Add	24.11	
			For >50 To 100, Deduct	-12.06	
			For >100 To 200, Deduct	-16.07	
			For >200, Deduct	-32.15	
32 17 23 13-0089	EA		CALTRANS 15' Arrow With Both (L and R) Turn Arrows, Type VIII, Painted Reflective Pavement Marking.....	236.13	
			For <10, Add	31.73	
			For >50 To 100, Deduct	-15.86	
			For >100 To 200, Deduct	-21.15	
			For >200, Deduct	-42.30	
32 17 23 13-0090	EA		CALTRANS 5' Arrow, Bike Lane, Painted Reflective Pavement Marking.....	47.09	
			For <10, Add	6.35	
			For >50 To 100, Deduct	-3.17	
			For >100 To 200, Deduct	-4.23	
			For >200, Deduct	-8.46	
32 17 23 13-0091	EA		CALTRANS Railroad Crossing Symbol, Painted Reflective Pavement Marking.....	449.72	
			Note: Excludes variable width transverse lines.		
			For <10, Add	60.28	
			For >50 To 100, Deduct	-30.14	
			For >100 To 200, Deduct	-40.19	
			For >200, Deduct	-80.37	
32 17 23 13-0092	SF		CALTRANS Solid Area, Painted Reflective Pavement Marking.....	5.84	
32 17 23 13-0093	EA		CALTRANS Bike Lane Symbol Without Person, Painted Reflective Pavement Marking.....	41.89	
			Note: Approximate overall dimensions: 4' width x 8' height.		
			For <10, Add	4.57	
			For >50 To 100, Deduct	-2.28	
			For >100 To 200, Deduct	-3.05	
			For >200, Deduct	-6.09	
32 17 23 13-0094	EA		CALTRANS Bike Lane Symbol With Person, Painted Reflective Pavement Marking.....	44.34	
			Note: Approximate overall dimensions: 4' width x 8' height.		
			For <10, Add	4.82	
			For >50 To 100, Deduct	-2.41	
			For >100 To 200, Deduct	-3.21	
			For >200, Deduct	-6.43	

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 17	Paving Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0095 EA CALTRANS Diamond Symbol, Painted Reflective Pavement Marking.....	75.20	
For <10, Add	10.15	
For >50 To 100, Deduct	-5.08	
For >100 To 200, Deduct	-6.77	
For >200, Deduct	-13.54	
32 17 23 13-0096 EA CALTRANS International Symbol Of Accessibility (ISA) Marking, Painted Reflective Pavement Marking.....	152.78	
For <10, Add	20.56	
For >50 To 100, Deduct	-10.28	
For >100 To 200, Deduct	-13.71	
For >200, Deduct	-27.41	
32 17 23 13-0097 EA CALTRANS Bike Loop Detector Symbol, Painted Reflective Pavement Marking.....	33.46	
Note: Approximate overall dimensions: 4' width x 8' height.		
For <10, Add	4.82	
For >50 To 100, Deduct	-2.41	
For >100 To 200, Deduct	-3.21	
For >200, Deduct	-6.43	
32 17 23 13-0098 SF CALTRANS Letter/Number, Painted Reflective Pavement Marking	5.92	
32 17 23 13-0099 SF CALTRANS Symbols, Painted Reflective Pavement Marking	6.60	
Note: Handicap, railroad, diamond, arrows, etc.		
32 17 23 13-0100 Epoxy Reflective Pavement Marking (32 17 23 13-0001)		
Note: 15 mil thickness.		
32 17 23 13-0101 LF Single 4" Wide Solid Line, Epoxy Reflective Pavement Striping.....	0.41	
For 20 Mil Thickness, Add	0.08	
For Up To 5,000 LF, Add	0.08	
For >25,000 LF, Deduct	-0.06	
For Broken Line, Deduct	-0.17	
32 17 23 13-0102 LF Single 6" Wide Solid Line, Epoxy Reflective Pavement Striping.....	0.56	
For 20 Mil Thickness, Add	0.12	
For Up To 5,000 LF, Add	0.11	
For >25,000 LF, Deduct	-0.08	
For Broken Line, Deduct	-0.25	
32 17 23 13-0103 LF Single 8" Wide Solid Line, Epoxy Reflective Pavement Striping.....	0.68	
For 20 Mil Thickness, Add	0.14	
For Up To 5,000 LF, Add	0.14	
For >25,000 LF, Deduct	-0.10	
For Broken Line, Deduct	-0.29	
32 17 23 13-0104 LF Single 12" Wide Solid Line, Epoxy Reflective Pavement Striping.....	1.03	
For 20 Mil Thickness, Add	0.23	
For Up To 5,000 LF, Add	0.21	
For >25,000 LF, Deduct	-0.15	
For Broken Line, Deduct	-0.48	
32 17 23 13-0105 LF Double 4" Wide Solid Lines, Epoxy Reflective Pavement Striping.....	0.62	
For 20 Mil Thickness, Add	0.15	
For Up To 5,000 LF, Add	0.12	
For >25,000 LF, Deduct	-0.09	
For Broken Line On One Side, Deduct	-0.16	
For Double Broken Line, Deduct	-0.32	
32 17 23 13-0106 LF Double 6" Wide Solid Lines, Epoxy Reflective Pavement Striping.....	0.88	
For 20 Mil Thickness, Add	0.23	
For Up To 5,000 LF, Add	0.18	
For >25,000 LF, Deduct	-0.13	
For Broken Line On One Side, Deduct	-0.24	
For Double Broken Line, Deduct	-0.49	
32 17 23 13-0107 SF Solid Area, Epoxy Reflective Pavement Marking.....	6.23	
Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
For 20 Mil Thickness, Add	0.64	
32 17 23 13-0108 EA 6" High, Letter/Number, Epoxy Reflective Pavement Marking.....	3.93	
For 20 Mil Thickness, Add	0.33	
For <10, Add	0.52	
For >50 To 100, Deduct	-0.26	
For >100 To 200, Deduct	-0.35	
For >200, Deduct	-0.69	
32 17 23 13-0109 EA 12" High, Letter/Number, Epoxy Reflective Pavement Marking.....	6.91	
For 20 Mil Thickness, Add	0.82	
For <10, Add	0.79	
For >50 To 100, Deduct	-0.39	
For >100 To 200, Deduct	-0.52	
For >200, Deduct	-1.05	
32 17 23 13-0110 EA 24" High, Letter/Number, Epoxy Reflective Pavement Marking.....	11.65	
For 20 Mil Thickness, Add	1.41	
For <10, Add	1.31	
For >50 To 100, Deduct	-0.65	
For >100 To 200, Deduct	-0.87	
For >200, Deduct	-1.74	
32 17 23 13-0111 EA 36" High, Letter/Number, Epoxy Reflective Pavement Marking.....	22.58	
For 20 Mil Thickness, Add	2.59	
For <10, Add	2.61	
For >50 To 100, Deduct	-1.31	
For >100 To 200, Deduct	-1.74	
For >200, Deduct	-3.49	



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
32 17 23 13-0112	EA	48" High, Letter/Number, Epoxy Reflective Pavement Marking.....	26.24	
		For 20 Mil Thickness, Add	3.21	
		For <10, Add	2.93	
		For >50 To 100, Deduct	-1.47	
		For >100 To 200, Deduct	-1.96	
		For >200, Deduct	-3.91	
32 17 23 13-0113	EA	72" High, Letter/Number, Epoxy Reflective Pavement Marking.....	46.99	
		For 20 Mil Thickness, Add	5.81	
		For <10, Add	5.22	
		For >50 To 100, Deduct	-2.61	
		For >100 To 200, Deduct	-3.48	
		For >200, Deduct	-6.95	
32 17 23 13-0114	EA	96" High, Letter/Number, Epoxy Reflective Pavement Marking.....	62.78	
		For 20 Mil Thickness, Add	7.69	
		For <10, Add	7.01	
		For >50 To 100, Deduct	-3.50	
		For >100 To 200, Deduct	-4.67	
		For >200, Deduct	-9.34	
32 17 23 13-0115	EA	120" High, Letter/Number, Epoxy Reflective Pavement Marking.....	93.76	
		For 20 Mil Thickness, Add	14.86	
		For <10, Add	8.68	
		For >50 To 100, Deduct	-4.34	
		For >100 To 200, Deduct	-5.79	
		For >200, Deduct	-11.57	
32 17 23 13-0116	SF	Letter/Number, Epoxy Reflective Pavement Marking.....	6.40	
		For 20 Mil Thickness, Add	0.65	
32 17 23 13-0117	SF	Symbols, Epoxy Reflective Pavement Marking.....	8.18	
		Note: Handicap, railroad, diamond, arrows, etc.		
		For 20 Mil Thickness, Add	0.74	
32 17 23 13-0118 Painted Pavement Striping, Letters And Symbols For Parking Areas (32 17 23 13)				
32 17 23 13-0119 Painted Pavement Marking For Parking Areas (32 17 23 13-0118)				
32 17 23 13-0120	LF	Single 4" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	0.96	
32 17 23 13-0121	LF	Single 6" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.05	
32 17 23 13-0122	LF	Single 8" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.10	
32 17 23 13-0123	LF	Single 12" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.23	
32 17 23 13-0124	SF	Solid Area, Painted Pavement Marking For Parking Areas.....	5.22	
		Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
32 17 23 13-0125	EA	6" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	3.63	
		For Up To 10, Add	0.51	
		For >50 To 100, Deduct	-0.25	
		For >100 To 200, Deduct	-0.34	
		For >200, Deduct	-0.68	
32 17 23 13-0126	EA	12" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	5.99	
		For Up To 10, Add	0.76	
		For >50 To 100, Deduct	-0.38	
		For >100 To 200, Deduct	-0.51	
		For >200, Deduct	-1.01	
32 17 23 13-0127	EA	24" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	10.06	
		For Up To 10, Add	1.27	
		For >50 To 100, Deduct	-0.63	
		For >100 To 200, Deduct	-0.85	
		For >200, Deduct	-1.69	
32 17 23 13-0128	EA	36" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	18.89	
		For Up To 10, Add	2.41	
		For >50 To 100, Deduct	-1.21	
		For >100 To 200, Deduct	-1.61	
		For >200, Deduct	-3.21	
32 17 23 13-0129	EA	42" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	25.23	
		For Up To 10, Add	3.30	
		For >50 To 100, Deduct	-1.65	
		For >100 To 200, Deduct	-2.20	
		For >200, Deduct	-4.40	
32 17 23 13-0130	EA	48" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas.....	30.74	
		For Up To 10, Add	4.06	
		For >50 To 100, Deduct	-2.03	
		For >100 To 200, Deduct	-2.71	
		For >200, Deduct	-5.41	
32 17 23 13-0131	EA	72" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas.....	40.54	
		For Up To 10, Add	5.08	
		For >50 To 100, Deduct	-2.54	
		For >100 To 200, Deduct	-3.38	
		For >200, Deduct	-6.77	
32 17 23 13-0132	EA	Through Lane Arrow, Painted Pavement Marking For Parking Areas.....	68.91	
		Note: Approximate overall dimensions: 3-1/2' width x 10' height.		
32 17 23 13-0133	EA	Turn Lane Arrow, Painted Pavement Marking For Parking Areas.....	77.16	
		Note: Approximate overall dimensions: 6' width x 8' height.		
32 17 23 13-0134	EA	Dual Turn Lane Arrow, Painted Pavement Marking For Parking Areas.....	105.75	
		Note: Approximate overall dimensions: 11' width x 8' height.		
32 17 23 13-0135	EA	Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas.....	107.66	
		Note: Approximate overall dimensions: 7' width x 13' height.		
32 17 23 13-0136	EA	Dual Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas.....	137.28	
		Note: Approximate overall dimensions: 9' width x 15' height.		

32 Exterior Improvements
32 10 Bases, Ballasts, And Paving
32 17 Paving Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23	13-0137	EA	Handicap Symbol For Standard Parking Stalls, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping. <i>For Blue Background With White Symbol, Add</i>	29.45 19.81	
			<i>For Blue Background With White Symbol And Border, Add</i>	24.76	
32 17 23	13-0138	EA	Handicap Symbol For Van Parking Stalls, Painted Pavement Marking For Parking Areas..... Note: Approximate overall dimensions: 4-1/3' width x 5' height. White or blue symbol. Excludes striping. <i>For Blue Background With White Symbol, Add</i>	41.07 38.30	
			<i>For Blue Background With White Symbol And Border, Add</i>	47.88	
32 17 23 13-0139 Painted Curbs (32 17 23 13)					
Note: All colors.					
32 17 23	13-0140	LF	Reflective Painted Curb	2.70	
32 17 23	13-0141	LF	Reflective Painted Curb And Gutter.....	5.09	
32 17 23	13-0142	LF	Painted Curb.....	2.18	
32 17 23	13-0143	LF	Painted Curb And Gutter.....	4.61	
32 17 23 13-0144 Markings For Outdoor Play Areas, Courts (32 17 23 13)					
32 17 23	13-0145	LF	2" Wide Marking For Outdoor Play Areas	0.72	
32 17 23	13-0146	LF	3" Wide Marking For Outdoor Play Areas	0.82	
32 17 23	13-0147	LF	4" Wide Marking For Outdoor Play Areas	0.92	
32 17 23	13-0148	LF	6" Wide Marking For Outdoor Play Areas	1.07	
32 17 23	13-0149	EA	Paint Playground Game Lines On Asphalt Or Concrete (Hop Scotch, 4 Square, Numbers Games, Etcetera).....	284.06	
32 17 23 19 Pedestrian Traffic Coating (32 17 23)					
32 17 23 19-0001 Pedestrian Traffic Coating (32 17 23 19)					
Note: Gaco Western					
32 17 23	19-0002	SF	GACOCRETE A-17, Acrylic Elastomer Coating.....	2.36	
32 17 23	19-0003	SF	Silicone Enhanced A-30, Acrylic Elastomer Coating.....	2.11	
			<i>For >2,000, Deduct</i>	-0.18	
32 17 23	19-0004	SF	Quick Set A-31, Acrylic Elastomer Coating.....	2.01	
32 17 23	19-0005	SF	A-32, Acrylic Elastomer Coating	2.18	
			<i>For >2,000, Deduct</i>	-0.20	
32 17 23	19-0006	SF	Liquid Seam Tape A-3611, Acrylic Elastomer Coating	2.24	
			<i>For >2,000, Deduct</i>	-0.22	
32 17 23	19-0007	SF	A-38, Acrylic Elastomer Coating	2.21	
32 17 23	19-0008	SF	Acrylic Primer A-4121	1.73	
32 17 23	19-0009	SF	Two Component Epoxy Emulsion Primer Filler E-5320	2.66	
32 17 23	19-0010	SF	Two Component Epoxy Rust Inhibiting Primer E-5388.....	2.95	
32 17 23	19-0011	SF	Two Component 100% Solids Primer E-5481	3.13	
32 17 23	19-0012	SF	Hypalon Roof Coating H-25	2.72	
32 17 23	19-0013	SF	Neoprene Adhesive N-1207.....	2.26	
32 17 23	19-0014	SF	GACOSIL S-10 Silicone.....	2.43	
			<i>For >2,000, Deduct</i>	-0.29	
32 17 23	19-0015	SF	GACOSIL S-20 Silicone.....	2.48	
			<i>For >2,000, Deduct</i>	-0.30	
32 17 23	19-0016	SF	Urethane Primer/Sealer U-5677.....	1.81	
32 17 23	19-0017	SF	Single Component Polyurethane Coating, Ureshield Aluminum U-6006	2.30	
			<i>For >2,000, Deduct</i>	-0.24	
32 17 23	19-0018	SF	Two Component Polyurethane Coating U-62	3.37	
			<i>For >2,000, Deduct</i>	-0.42	
32 17 23	19-0019	SF	Two Component Polyurethane Coating, Liquid Applied Polyurethane Rubber U-64	3.06	
32 17 23	19-0020	SF	Two Component Polyurethane Coating U-66	3.33	
32 17 23	19-0021	SF	Two Component Polyurethane Coating U-8730	3.16	
32 17 23	19-0022	SF	Two Component Polyurethane Coating U-8782	3.13	
32 17 23	19-0023	SF	Two Component Polyurethane Aliphatic Coating UA-60.....	3.67	
32 17 23	19-0024	SF	Two Component Polyurethane Aliphatic Coating UA-7090.....	4.34	
32 17 23	19-0025	SF	Two Component Polyurethane Base Coating UB-64	3.03	
32 17 23	19-0026	SF	Two Component Polyurethane Base Coating UB-8380	3.00	
32 17 23	19-0027	SF	Etching Detergent D-09	1.83	
32 17 23	19-0028	LB	GacoShell Granules Additive To Coating.....	1.34	
32 17 23	19-0029	LB	Quartz Granules Additive To Coating	1.21	
32 17 23	19-0030	LF	4" Polyester Reinforcing Tape, 66-B.....	0.15	
32 17 23	19-0031	LF	6" Polyester Reinforcing Tape, 66-B.....	0.18	
32 17 23	19-0032	LF	4" Sontara Polyester Reinforcing Tape, 66-S	0.22	
32 17 23	19-0033	LF	6" Sontara Polyester Reinforcing Tape, 66-S	0.29	
32 17 23	19-0034	LF	2" Metal Roof Seam Sealing Tape, 66-MR	0.57	
32 17 23	19-0035	LF	3" Metal Roof Seam Sealing Tape, 66-MR	0.87	
32 17 23	19-0036	LF	4" Metal Roof Seam Sealing Tape, 66-MR	1.07	
32 17 23	19-0037	LF	6" Metal Roof Seam Sealing Tape, 66-MR	1.53	
32 17 23	19-0038	GAL	Polyurethane Coating Thinner T-5106.....	30.14	
32 17 23	19-0039	GAL	Compliant Thinner T-5110	62.79	
32 17 23	19-0040	GAL	Regular Thinner T-5112.....	17.58	
32 17 23	19-0041	GAL	Polyurethane Coating Thinner T-5116.....	22.60	
32 17 23	19-0042	GAL	Polyurethane Troweling Thinner T-5118.....	27.63	
32 17 23	19-0043	GAL	Compliant Thinner T-5125	30.14	
32 17 23	19-0044	GAL	Fast Polyurethane Coating Thinner T-5130.....	22.60	
32 17 23	19-0045	GAL	Silicone And U-62 Polyurethane Coating Thinner T-5135	22.60	



Exterior Improvements 32		
	Bases, Ballasts, And Paving	32 10
	Paving Specialties	32 17

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
32 17 23 23	Raised Pavement Markings <small>(32 17 23)</small>					
32 17 23 23-0001			Raised Pavement Markers (RPMs) <small>(32 17 23 23)</small>			
	EA		One-Way Reflective, Raised Pavement Marker (RPM)	3.80	2.13	
			Note: Type G, H or R			
			<i>For >100, Deduct</i>	-0.38		
	EA		Two-Way Reflective, Raised Pavement Marker (RPM)	3.99	2.13	
			Note: Type B, C, D, AC, RA or RR			
			<i>For >100, Deduct</i>	-0.40		
	EA		4" Diameter, Round Reflective, Raised Pavement Marker (RPM)	4.67	2.13	
			<i>For >100, Deduct</i>	-0.47		
	EA		4" Diameter, Non-Reflective, Raised Pavement Marker (RPM)	3.55	2.13	
			Note: Type A or AY			
			<i>For >100, Deduct</i>	-0.36		
32 17 23 23-0006			Snowplowable Pavement Markers <small>(32 17 23 23)</small>			
	EA		One-Way Reflective, Snowplowable Pavement Marker With Center Rail	53.68	25.14	
			Note: Type G, H or R			
	EA		Two-Way Reflective, Snowplowable Pavement Marker With Center Rail	53.85	25.14	
			Note: Type B, C, D, AC, RA or RR			
	EA		Removal And Replacement Of Reflector For One-Way Reflective, Recessed (Plowable) Pavement Marker	15.00		
	EA		Removal And Replacement Of Reflectors For Two-Way Reflective, Recessed (Plowable) Pavement Marker	19.36		
32 17 23 33	Plastic Pavement Markings <small>(32 17 23)</small>					
32 17 23 33-0001			Thermoplastic Pavement Striping, Letters, Symbols And Markers For Roads <small>(32 17 23 33)</small>			
			Note: Includes primers, adhesive and glass beads where required. For broken line modifier quantity use total lane length.			
32 17 23 33-0002			Thermoplastic Reflective Pavement Marking <small>(32 17 23 33-0001)</small>			
			Note: 90 mil thickness.			
	LF		Single 4" Wide Solid Line, Thermoplastic Reflective Pavement Striping	0.96		
			<i>For Up To 5,000 LF, Add</i>	0.19		
			<i>For >25,000 LF, Deduct</i>	-0.14		
			<i>For 60 mils Thick, Deduct</i>	-0.12		
			<i>For 125 mils Thick, Add</i>	0.16		
			<i>For Broken Line, Deduct</i>	-0.53		
	LF		Single 6" Wide Solid Line, Thermoplastic Reflective Pavement Striping	1.35		
			<i>For Up To 5,000 LF, Add</i>	0.27		
			<i>For >25,000 LF, Deduct</i>	-0.20		
			<i>For 60 mils Thick, Deduct</i>	-0.18		
			<i>For 125 mils Thick, Add</i>	0.23		
			<i>For Broken Line, Deduct</i>	-0.78		
	LF		Single 8" Wide Solid Line, Thermoplastic Reflective Pavement Striping	1.78		
			<i>For Up To 5,000 LF, Add</i>	0.36		
			<i>For >25,000 LF, Deduct</i>	-0.27		
			<i>For 60 mils Thick, Deduct</i>	-0.24		
			<i>For 125 mils Thick, Add</i>	0.31		
			<i>For Broken Line, Deduct</i>	-1.04		
	LF		Single 12" Wide Solid Line, Thermoplastic Reflective Pavement Striping	2.60		
			<i>For Up To 5,000 LF, Add</i>	0.52		
			<i>For >25,000 LF, Deduct</i>	-0.39		
			<i>For 60 mils Thick, Deduct</i>	-0.37		
			<i>For 125 mils Thick, Add</i>	0.47		
			<i>For Broken Line, Deduct</i>	-1.57		
	LF		Double 4" Wide Solid Lines, Thermoplastic Reflective Pavement Striping	1.78		
			<i>For Up To 5,000 LF, Add</i>	0.36		
			<i>For >25,000 LF, Deduct</i>	-0.27		
			<i>For 60 mils Thick, Deduct</i>	-0.24		
			<i>For 125 mils Thick, Add</i>	0.31		
			<i>For Broken Line On One Side, Deduct</i>	-0.52		
			<i>For Double Broken Line, Deduct</i>	-1.04		
	LF		Double 6" Wide Solid Lines, Thermoplastic Reflective Pavement Striping	2.60		
			<i>For Up To 5,000 LF, Add</i>	0.52		
			<i>For >25,000 LF, Deduct</i>	-0.39		
			<i>For 60 mils Thick, Deduct</i>	-0.37		
			<i>For 125 mils Thick, Add</i>	0.47		
			<i>For Broken Line On One Side, Deduct</i>	-0.78		
			<i>For Double Broken Line, Deduct</i>	-1.57		
	SF		Solid Area, Thermoplastic Reflective Pavement Marking	7.14		
			Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.			
			<i>For 60 mils Thick, Deduct</i>	-0.36		
			<i>For 125 mils Thick, Add</i>	0.47		
	EA		6" High, Letter/Number, Thermoplastic Reflective Pavement Marking	4.84		
			<i>For Up To 10, Add</i>	0.57		
			<i>For >50 To 100, Deduct</i>	-0.29		
			<i>For >100 To 200, Deduct</i>	-0.38		
			<i>For >200, Deduct</i>	-0.76		
			<i>For 60 mils Thick, Deduct</i>	-0.18		
			<i>For 125 mils Thick, Add</i>	0.23		

32 Exterior Improvements
32 10 Bases, Ballasts, And Paving
32 17 Paving Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0011 EA 12" High, Letter/Number, Thermoplastic Reflective Pavement Marking	9.49	
For Up To 10, Add	0.86	
For >50 To 100, Deduct	-0.43	
For >100 To 200, Deduct	-0.58	
For >200, Deduct	-1.15	
For 60 mils Thick, Deduct	-0.65	
For 125 mils Thick, Add	0.84	
32 17 23 33-0012 EA 24" High, Letter/Number, Thermoplastic Reflective Pavement Marking	16.10	
For Up To 10, Add	1.43	
For >50 To 100, Deduct	-0.72	
For >100 To 200, Deduct	-0.96	
For >200, Deduct	-1.91	
For 60 mils Thick, Deduct	-1.14	
For 125 mils Thick, Add	1.47	
32 17 23 33-0013 EA 36" High, Letter/Number, Thermoplastic Reflective Pavement Marking	30.69	
For Up To 10, Add	2.88	
For >50 To 100, Deduct	-1.44	
For >100 To 200, Deduct	-1.92	
For >200, Deduct	-3.84	
For 60 mils Thick, Deduct	-2.01	
For 125 mils Thick, Add	2.59	
32 17 23 33-0014 EA 48" High, Letter/Number, Thermoplastic Reflective Pavement Marking	36.43	
For Up To 10, Add	3.22	
For >50 To 100, Deduct	-1.61	
For >100 To 200, Deduct	-2.15	
For >200, Deduct	-4.30	
For 60 mils Thick, Deduct	-2.61	
For 125 mils Thick, Add	3.36	
32 17 23 33-0015 EA 72" High, Letter/Number, Thermoplastic Reflective Pavement Marking	65.54	
For Up To 10, Add	5.74	
For >50 To 100, Deduct	-2.87	
For >100 To 200, Deduct	-3.82	
For >200, Deduct	-7.65	
For 60 mils Thick, Deduct	-4.78	
For 125 mils Thick, Add	6.14	
32 17 23 33-0016 EA 96" High, Letter/Number, Thermoplastic Reflective Pavement Marking	87.27	
For Up To 10, Add	7.70	
For >50 To 100, Deduct	-3.85	
For >100 To 200, Deduct	-5.14	
For >200, Deduct	-10.27	
For 60 mils Thick, Deduct	-6.29	
For 125 mils Thick, Add	8.08	
32 17 23 33-0017 EA 120" High, Letter/Number, Thermoplastic Reflective Pavement Marking.....	143.79	
For Up To 10, Add	9.54	
For >50 To 100, Deduct	-4.77	
For >100 To 200, Deduct	-6.36	
For >200, Deduct	-12.72	
For 60 mils Thick, Deduct	-14.03	
For 125 mils Thick, Add	18.04	
32 17 23 33-0018 SF Letter/Number, Thermoplastic Reflective Pavement Marking	8.34	
For 60 mils Thick, Deduct	-0.45	
For 125 mils Thick, Add	0.58	
32 17 23 33-0019 SY Cross Hatch, Thermoplastic Reflective Pavement Marking	56.74	
For 60 mils Thick, Deduct	-3.27	
For 125 mils Thick, Add	4.20	
32 17 23 33-0020 EA Handicap Symbol, Thermoplastic Reflective Pavement Marking.....	220.98	
For 60 mils Thick, Deduct	-10.41	
For 125 mils Thick, Add	13.38	
32 17 23 33-0021 SY Solid Area, Thermoplastic Reflective Pavement Marking	70.11	
For 60 mils Thick, Deduct	-3.27	
For 125 mils Thick, Add	4.20	
32 17 23 33-0022 EA Railroad Symbol, Thermoplastic Reflective Pavement Marking.....	654.80	
For 60 mils Thick, Deduct	-31.68	
For 125 mils Thick, Add	40.73	
32 17 23 33-0023 EA Bike Lane Symbol, Thermoplastic Reflective Pavement Marking	115.76	
Note: Approximate overall dimensions: 4' width x 8' height.		
For 60 mils Thick, Deduct	-14.34	
For 125 mils Thick, Add	18.43	
32 17 23 33-0024 EA Diamond Symbol, Thermoplastic Reflective Pavement Marking.....	105.69	
For 60 mils Thick, Deduct	-4.98	
For 125 mils Thick, Add	6.40	
32 17 23 33-0025 SF Symbols, Thermoplastic Reflective Pavement Marking	9.61	
Note: Handicap, railroad, diamond, arrows, etc.		
For 60 mils Thick, Deduct	-0.45	
For 125 mils Thick, Add	0.58	
32 17 23 33-0026 EA 10' Arrow, Type I, Thermoplastic Reflective Pavement Marking.....	134.50	
For 60 mils Thick, Deduct	-6.34	
For 125 mils Thick, Add	8.15	
32 17 23 33-0027 EA 18' Arrow, Type I, Thermoplastic Reflective Pavement Marking.....	240.20	
For 60 mils Thick, Deduct	-11.31	
For 125 mils Thick, Add	14.55	
32 17 23 33-0028 EA 24' Arrow, Type I, Thermoplastic Reflective Pavement Marking.....	297.85	
For 60 mils Thick, Deduct	-14.03	
For 125 mils Thick, Add	18.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0029 EA 24' Arrow With Single (L or R) Turn Arrow, Type II, Thermoplastic Reflective Pavement Marking.....	432.36	
<i>For 60 mils Thick, Deduct</i>	-20.36	
<i>For 125 mils Thick, Add</i>	26.18	
32 17 23 33-0030 EA 24' Arrow With Both (L and R) Turn Arrows, Type II, Thermoplastic Reflective Pavement Marking.....	566.88	
<i>For 60 mils Thick, Deduct</i>	-26.70	
<i>For 125 mils Thick, Add</i>	34.33	
32 17 23 33-0031 EA 24' Arrow Single (L or R) Turn Arrow, Type III, Thermoplastic Reflective Pavement Marking.....	403.53	
<i>For 60 mils Thick, Deduct</i>	-19.01	
<i>For 125 mils Thick, Add</i>	24.44	
32 17 23 33-0032 EA 24' Arrow Both (L and R) Turn Arrows, Type III, Thermoplastic Reflective Pavement Marking.....	701.39	
<i>For 60 mils Thick, Deduct</i>	-33.04	
<i>For 125 mils Thick, Add</i>	42.48	
32 17 23 33-0033 EA 8' Turn Arrow (L or R), Type IV, Thermoplastic Reflective Pavement Marking.....	144.12	
<i>For 60 mils Thick, Deduct</i>	-6.79	
<i>For 125 mils Thick, Add</i>	8.73	
32 17 23 33-0034 EA 24' Arrow, Type V, Thermoplastic Reflective Pavement Marking.....	317.06	
<i>For 60 mils Thick, Deduct</i>	-14.93	
<i>For 125 mils Thick, Add</i>	19.20	
32 17 23 33-0035 EA 18' Arrow, Type VI, Thermoplastic Reflective Pavement Marking.....	403.53	
<i>For 60 mils Thick, Deduct</i>	-19.01	
<i>For 125 mils Thick, Add</i>	24.44	
32 17 23 33-0036 EA 13' Arrow With Single (L or R) Turn Arrow, Type VII, Thermoplastic Reflective Pavement Marking.....	259.42	
<i>For 60 mils Thick, Deduct</i>	-12.22	
<i>For 125 mils Thick, Add</i>	15.71	
32 17 23 33-0037 EA 15' Arrow With Both (L and R) Turn Arrows, Type VIII, Thermoplastic Reflective Pavement Marking.....	345.89	
<i>For 60 mils Thick, Deduct</i>	-16.29	
<i>For 125 mils Thick, Add</i>	20.95	
32 17 23 33-0038 EA 5' Arrow, Bike Lane, Thermoplastic Reflective Pavement Marking.....	67.26	
<i>For 60 mils Thick, Deduct</i>	-3.17	
<i>For 125 mils Thick, Add</i>	4.07	
32 17 23 33-0039 Thermoplastic Reflective Pavement Striping By Hand For Repairs <small>(32 17 23 33-0001)</small>		
32 17 23 33-0040 LF Single 4" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs.....	2.49	
<i>For 60 mils Thick, Deduct</i>	-0.12	
<i>For 125 mils Thick, Add</i>	0.16	
32 17 23 33-0041 LF Single 6" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs.....	3.08	
<i>For 60 mils Thick, Deduct</i>	-0.18	
<i>For 125 mils Thick, Add</i>	0.23	
32 17 23 33-0042 LF Single 8" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs.....	3.76	
<i>For 60 mils Thick, Deduct</i>	-0.24	
<i>For 125 mils Thick, Add</i>	0.31	
32 17 23 33-0043 LF Single 12" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs.....	5.38	
<i>For 60 mils Thick, Deduct</i>	-0.37	
<i>For 125 mils Thick, Add</i>	0.47	
32 17 23 33-0044 LF Single 24" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs.....	9.51	
<i>For 60 mils Thick, Deduct</i>	-0.73	
<i>For 125 mils Thick, Add</i>	0.94	
32 17 23 33-0045 Preformed, Patterned Reflective Pavement Marking Tape <small>(32 17 23 33-0001)</small>		
<small>Note: Applied with pressure sensitive adhesive. Includes adhesive. 60 mil thickness. (3M Stamark 380 Series).</small>		
32 17 23 33-0046 LF Single 4" Wide Solid Line, Preformed Tape, Patterned Thermoplastic Reflective Pavement Striping.....	1.97	
<i>For Up To 5,000 LF, Add</i>	0.39	
<i>For >25,000 LF, Deduct</i>	-0.30	
32 17 23 33-0047 LF Single 6" Wide Solid Line, Preformed Tape, Patterned Thermoplastic Reflective Pavement Striping.....	2.90	
<i>For Up To 5,000 LF, Add</i>	0.58	
<i>For >25,000 LF, Deduct</i>	-0.44	
32 17 23 33-0048 LF Single 8" Wide Solid Line, Preformed Tape, Patterned Thermoplastic Reflective Pavement Striping.....	3.84	
<i>For Up To 5,000 LF, Add</i>	0.77	
<i>For >25,000 LF, Deduct</i>	-0.58	
32 17 23 33-0049 LF Single 12" Wide Solid Line, Preformed Tape, Patterned Thermoplastic Reflective Pavement Striping.....	5.68	
<i>For Up To 5,000 LF, Add</i>	1.14	
<i>For >25,000 LF, Deduct</i>	-0.85	
32 17 23 33-0050 SF Preformed Solid Area, Patterned Thermoplastic Reflective Pavement Marking Tape.....	16.94	
<small>Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.</small>		
32 17 23 33-0051 EA 6" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape.....	25.00	
<i>For <10, Add</i>	1.04	
<i>For >50 To 100, Deduct</i>	-0.52	
<i>For >100 To 200, Deduct</i>	-0.69	
<i>For >200, Deduct</i>	-1.39	
32 17 23 33-0052 EA 12" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape.....	43.17	
<i>For <10, Add</i>	1.32	
<i>For >50 To 100, Deduct</i>	-0.66	
<i>For >100 To 200, Deduct</i>	-0.88	
<i>For >200, Deduct</i>	-1.76	
32 17 23 33-0053 EA 24" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape.....	74.81	
<i>For <10, Add</i>	2.61	
<i>For >50 To 100, Deduct</i>	-1.31	
<i>For >100 To 200, Deduct</i>	-1.74	
<i>For >200, Deduct</i>	-3.49	

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 17	Paving Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0054 EA 36" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	110.69	
For <10, Add	5.23	
For >50 To 100, Deduct	-2.61	
For >100 To 200, Deduct	-3.49	
For >200, Deduct	-6.97	
32 17 23 33-0055 EA 48" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	129.26	
For <10, Add	5.86	
For >50 To 100, Deduct	-2.93	
For >100 To 200, Deduct	-3.91	
For >200, Deduct	-7.82	
32 17 23 33-0056 EA 72" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	170.90	
For <10, Add	10.43	
For >50 To 100, Deduct	-5.22	
For >100 To 200, Deduct	-6.95	
For >200, Deduct	-13.91	
32 17 23 33-0057 EA 96" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	219.22	
For <10, Add	14.01	
For >50 To 100, Deduct	-7.01	
For >100 To 200, Deduct	-9.34	
For >200, Deduct	-18.68	
32 17 23 33-0058 EA 120" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	274.41	
For <10, Add	17.36	
For >50 To 100, Deduct	-8.68	
For >100 To 200, Deduct	-11.57	
For >200, Deduct	-23.15	
32 17 23 33-0059 SF Preformed Arrow, Patterned Thermoplastic Reflective Pavement Marking Tape	17.62	
32 17 23 33-0060 SF Preformed Symbol, Patterned Thermoplastic Reflective Pavement Marking Tape.....	18.89	
Note: Handicap, railroad, diamond symbol, etc.		
32 17 23 33-0061 Preformed, Thermoplastic Reflective Pavement Marking <small>(32 17 23 33-0001)</small>		
Note: Heat applied. (Flint PreMark or HotTape Series).		
32 17 23 33-0062 EA Preformed Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	147.13	
Note: Approximate overall dimensions: 4' width x 8' height.		
32 17 23 33-0063 EA Preformed Railroad Crossing Symbol, 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....	387.07	
Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.		
32 17 23 33-0064 EA Preformed Preferential Lane Symbol (Diamond), 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	91.51	
Note: Approximate overall dimensions: 3-1/4' width x 13' height.		
32 17 23 33-0065 EA 6' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....	83.44	
Note: Approximate overall dimensions: 2' width x 6' height.		
32 17 23 33-0066 EA 9-1/2' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	138.43	
Note: Approximate overall dimensions: 3-1/4' width x 9-1/2' height.		
32 17 23 33-0067 EA 4' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....	92.03	
Note: Approximate overall dimensions: 3' width x 4' height.		
32 17 23 33-0068 EA 8' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....	150.89	
Note: Approximate overall dimensions: 6' width x 8' height.		
32 17 23 33-0069 EA Preformed Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....	239.65	
Note: Approximate overall dimensions: 7-1/4' width x 12-3/4' height.		
32 17 23 33-0070 EA Preformed Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	346.48	
Note: Approximate overall dimensions: 11-1/4' width x 13-1/4' height.		
32 17 23 33-0071 EA Preformed Elongated Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	146.73	
Note: Approximate overall dimensions: 1-2/3' width x 12' height.		
32 17 23 33-0072 EA Preformed Elongated Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	159.19	
Note: Approximate overall dimensions: 3' width x 12' height.		
32 17 23 33-0073 EA Preformed Elongated Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	267.60	
Note: Approximate overall dimensions: 5-1/2' width x 12' height.		
32 17 23 33-0074 EA Preformed Elongated Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	248.96	
Note: Approximate overall dimensions: 3-1/2' width x 20' height.		
32 17 23 33-0075 EA Preformed Elongated Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....	251.50	
Note: Approximate overall dimensions: 5-1/2' width x 20' height.		
32 17 23 33-0076 EA Preformed Lane-Reduction Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....	327.53	
Note: Approximate overall dimensions: 5-1/2' width x 18' height.		
32 17 23 33-0077 Thermoplastic Pavement Striping, Letters And Symbols For Parking Areas		
<small>(32 17 23 33)</small>		
32 17 23 33-0078 Thermoplastic Pavement Marking Tape For Parking Areas <small>(32 17 23 33-0077)</small>		
Note: Heat applied. (Flint PreMark Series).		
32 17 23 33-0079 EA 28" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas.....	56.38	
Note: White or blue symbol. Excludes striping.		
32 17 23 33-0080 EA 39" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas.....	176.57	
Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.		
32 17 23 33-0081 EA 40" x 40" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas.....	107.06	
Note: White symbol on blue background. Excludes striping.		
32 17 23 33-0082 EA 45" x 45" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas.....	126.35	
Note: White symbol on blue background. Excludes striping.		
32 17 23 33-0083 EA 48" x 48" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas.....	132.06	
Note: White symbol on blue background. Excludes striping.		



Exterior Improvements	32	
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 17 26 Tactile Warning Surfaces (32 17)

32 17 26 00-0001	Vitrified Polymer Composite (VPC); (Armor Tile) <small>(32 17 26)</small>		
	Note: Truncated dome, raised strips or directional bars. All colors.		
32 17 26 00-0002	SF Surface Applied VPC Truncated Dome Detectable Warning Surface.....	58.92	8.11
	Note: Includes surface preparation, adhesive, fasteners and sealant at perimeter. Also raised strips or directional bars. All colors.		
32 17 26 00-0003	SF Cast In Place VPC Truncated Dome Detectable Warning Surface.....	48.37	8.11
	Note: Also raised strips or directional bars. All colors.		
32 17 26 00-0004	Fiber-Reinforced, Polymermodified Cement And Coated With Acrylic Resin Emulsion (SatetyStep TD) <small>(32 17 26)</small>		
	Note: Pre-molded tactile dome sheet. All colors.		
32 17 26 00-0005	SF Up To 15 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT)	52.92	8.11
	Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 top coat sealer and SSTD-1250 finish . All colors. 2' or 3' width.		
32 17 26 00-0006	SF >15 To 36 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT).....	45.62	8.11
	Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 top coat sealer and SSTD-1250 finish . All colors. 2' or 3' width.		

32 18 Athletic And Recreational Surfacing (32 18)

32 18 16 Synthetic Resilient Surfacing (32 18)

32 18 16 13 Playground Protective Surfacing (32 18 16)

32 18 16 13-0001	Tile Playground Surface Material <small>(32 18 16 13)</small>		
	Note: Black. With or without channel bottom. Includes transition section and curbs. Excludes sub base.		
32 18 16 13-0002	SF 1-3/4" Thick, Resilient Rubber Tile.....	13.27	1.91
	For Manufacturer's Standard Colors, Add	0.68	
	For Interlocking Tiles, Add	1.51	
	For Mechanically Fastened, Add	1.55	
	For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0003	SF 2" Thick, Resilient Rubber Tile.....	13.63	2.04
	For Manufacturer's Standard Colors, Add	0.68	
	For Interlocking Tiles, Add	1.51	
	For Mechanically Fastened, Add	1.62	
	For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0004	SF 2-1/4" Thick, Resilient Rubber Tile.....	14.35	2.27
	For Manufacturer's Standard Colors, Add	0.68	
	For Interlocking Tiles, Add	1.51	
	For Mechanically Fastened, Add	1.76	
	For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0005	SF 2-1/2" Thick, Resilient Rubber Tile.....	15.07	2.51
	For Manufacturer's Standard Colors, Add	0.68	
	For Interlocking Tiles, Add	1.51	
	For Mechanically Fastened, Add	1.91	
	For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0006	SF 2-3/4" Thick, Resilient Rubber Tile.....	16.76	2.75
	For Manufacturer's Standard Colors, Add	0.51	
	For Interlocking Tiles, Add	1.70	
	For Mechanically Fastened, Add	2.05	
	For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0007	SF 3" Thick, Resilient Rubber Tile.....	17.55	3.01
	For Manufacturer's Standard Colors, Add	0.51	
	For Interlocking Tiles, Add	1.70	
	For Mechanically Fastened, Add	2.21	
	For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0008	SF 3-1/4" Thick, Resilient Rubber Tile.....	18.38	3.29
	For Manufacturer's Standard Colors, Add	0.51	
	For Interlocking Tiles, Add	1.70	
	For Mechanically Fastened, Add	2.38	
	For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0009	SF 3-1/2" Thick, Resilient Rubber Tile.....	20.12	3.52
	For Manufacturer's Standard Colors, Add	0.28	
	For Interlocking Tiles, Add	1.90	
	For Mechanically Fastened, Add	2.53	
	For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0010	SF 3-3/4" Thick, Resilient Rubber Tile.....	20.84	3.81
	For Manufacturer's Standard Colors, Add	0.28	
	For Interlocking Tiles, Add	1.90	
	For Mechanically Fastened, Add	2.67	
	For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0011	SF 4" Thick, Resilient Rubber Tile.....	21.63	4.02
	For Manufacturer's Standard Colors, Add	0.28	
	For Interlocking Tiles, Add	1.90	
	For Mechanically Fastened, Add	2.83	
	For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 18 Athletic And Recreational Surfacing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0012 SF 4-1/2" Thick, Resilient Rubber Tile.....	24.76	4.53
For Manufacturer's Standard Colors, Add	0.28	
For Interlocking Tiles, Add	2.22	
For Mechanically Fastened, Add	3.13	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0013 Loose Laid Playground Surface Material (32 18 16 13)		
Note: Excludes sub base.		
32 18 16 13-0014 SF 3" Loose Laid Wood Fiber Safety Surface.....	1.18	0.29
32 18 16 13-0015 SF 6" Loose Laid Wood Fiber Safety Surface.....	1.53	0.36
32 18 16 13-0016 SF 9" Loose Laid Wood Fiber Safety Surface.....	1.91	0.43
32 18 16 13-0017 SF 12" Loose Laid Wood Fiber Safety Surface.....	2.72	0.65
32 18 16 13-0018 SF 3" Loose Laid Synthetic Fiber Safety Surface.....	2.44	0.29
32 18 16 13-0019 SF 6" Loose Laid Synthetic Fiber Safety Surface.....	3.02	0.36
32 18 16 13-0020 SF 9" Loose Laid Synthetic Fiber Safety Surface.....	4.76	0.43
32 18 16 13-0021 SF 12" Loose Laid Synthetic Fiber Safety Surface.....	5.87	0.65
32 18 16 13-0022 SF 8" FIBAR System.....	10.19	1.08
Note: Includes drainage system on 6" centers, felt, edge railing and 8" wood fiber.		
32 18 16 13-0023 SF 12" FIBAR System.....	12.90	1.44
Note: Includes drainage system on 6" centers, felt, edge railing and 12" wood fiber.		
32 18 16 13-0024 Poured In Place Playground Surfacing (32 18 16 13)		
Note: Includes SBR base mat, 100% color ethylene propylene diene monomer (EPDM) top surface and 5 year warranty. Includes primer for base mat and top surface. Includes all colors. Excludes base preparation.		
32 18 16 13-0025 SF Up To 4' Critical Fall Height (1-3/4") Poured In Place Rubber Playground Surfacing.....	11.67	2.16
For Up To 2,000, Add	2.77	
For >2,000 To 3,000, Add	1.94	
For >3,000 To 4,000, Add	1.31	
For >4,000 To 5,000, Add	0.84	
For >5,000 To 7,000, Add	0.34	
For Aliphatic (Non Yellowing) Binder, Add	2.36	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.31	
32 18 16 13-0026 SF 5' Critical Fall Height (2") Poured In Place Rubber Playground Surfacing.....	12.03	2.40
For Up To 2,000, Add	2.85	
For >2,000 To 3,000, Add	2.00	
For >3,000 To 4,000, Add	1.35	
For >4,000 To 5,000, Add	0.86	
For >5,000 To 7,000, Add	0.35	
For Aliphatic (Non Yellowing) Binder, Add	2.36	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.31	
32 18 16 13-0027 SF 6' Critical Fall Height (2-1/2") Poured In Place Rubber Playground Surfacing.....	13.00	2.74
For Up To 2,000, Add	3.08	
For >2,000 To 3,000, Add	2.16	
For >3,000 To 4,000, Add	1.46	
For >4,000 To 5,000, Add	0.93	
For >5,000 To 7,000, Add	0.38	
For Aliphatic (Non Yellowing) Binder, Add	2.36	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.31	
32 18 16 13-0028 SF 7' Critical Fall Height (3") Poured In Place Rubber Playground Surfacing.....	14.04	2.92
For Up To 2,000, Add	3.33	
For >2,000 To 3,000, Add	2.33	
For >3,000 To 4,000, Add	1.58	
For >4,000 To 5,000, Add	1.01	
For >5,000 To 7,000, Add	0.41	
For Aliphatic (Non Yellowing) Binder, Add	2.36	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.31	
32 18 16 13-0029 SF 8' Critical Fall Height (3-1/2") Poured In Place Rubber Playground Surfacing.....	15.07	3.06
For Up To 2,000, Add	3.58	
For >2,000 To 3,000, Add	2.50	
For >3,000 To 4,000, Add	1.70	
For >4,000 To 5,000, Add	1.08	
For >5,000 To 7,000, Add	0.44	
For Aliphatic (Non Yellowing) Binder, Add	2.36	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.31	
32 18 16 13-0030 SF 9' Critical Fall Height (4") Poured In Place Rubber Playground Surfacing.....	15.95	3.24
For Up To 2,000, Add	3.79	
For >2,000 To 3,000, Add	2.65	
For >3,000 To 4,000, Add	1.79	
For >4,000 To 5,000, Add	1.14	
For >5,000 To 7,000, Add	0.47	
For Aliphatic (Non Yellowing) Binder, Add	2.36	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.31	
32 18 16 13-0031 SF 10' Critical Fall Height (4-1/2") Poured In Place Rubber Playground Surfacing.....	17.00	3.42
For Up To 2,000, Add	4.03	
For >2,000 To 3,000, Add	2.82	
For >3,000 To 4,000, Add	1.91	
For >4,000 To 5,000, Add	1.22	
For >5,000 To 7,000, Add	0.50	
For Aliphatic (Non Yellowing) Binder, Add	2.36	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.31	



Exterior Improvements	32
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Athletic And Recreational Surfacing	32 18

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0032 SF 12' Critical Fall Height (5-1/2") Poured In Place Rubber Playground Surfacing.....	19.06	3.83
For Up To 2,000, Add	4.52	
For >2,000 To 3,000, Add	3.17	
For >3,000 To 4,000, Add	2.14	
For >4,000 To 5,000, Add	1.37	
For >5,000 To 7,000, Add	0.56	
For Aliphatic (Non Yellowing) Binder, Add	2.36	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.31	
32 18 16 13-0033 SF Top Only (1/2") Poured In Place Playground Surfacing.....	7.63	
Note: Not used with new surfacing system tasks.		
For Up To 2,000, Add	2.78	
For >2,000 To 3,000, Add	1.78	
For >3,000 To 4,000, Add	1.08	
For >4,000 To 5,000, Add	0.65	
For >5,000 To 7,000, Add	0.29	
For Aliphatic (Non Yellowing) Binder, Add	2.36	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.31	
32 18 16 13-0034 EA Simple Graphics Including Hopscotch, Four Square Or Geometric Shapes (5 Per 1,000 SF) For Poured In Place Playground Surfacing.....	2,126.67	
32 18 16 13-0035 Synthetic Playground Turf (Sporturf) (32 18 16 13)		
Note: Excludes base preparation, aggregate, or drainage.		
32 18 16 13-0036 SF 60 OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Sporturf PL929).....	6.35	
32 18 16 13-0037 SF 71 OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Mirage PL906).....	5.65	
32 18 16 13-0038 SF 2" Foam Padding (Sporturf).....	3.71	
32 18 16 13-0039 CF Sand/Ruber Infill (Sporturf).....	40.92	
32 18 23 Athletic Surfacing (32 18)		
32 18 23 29 Synthetic Field Sport Surfacing (32 18 23)		
32 18 23 29-0001 Synthetic Field Sport Surfacing (32 18 23 29)		
32 18 23 29-0002 Synthetic Turf (AstroTurf) (32 18 23 29-0001)		
Note: Includes labor, equipment and material required to install the task.		
32 18 23 29-0003 Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT) (32 18 23 29-0002)		
32 18 23 29-0004 38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 38) (32 18 23 29-0003)		
32 18 23 29-0005 SF 38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 38).....	4.28	
For Ambient Rubber And Sand Infill, Add	0.10	
For Cryo Rubber Infill, Add	0.26	
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.31	
For Cryo Rubber And Sand Infill, Add	0.36	
32 18 23 29-0006 EA Football Markings For AstroTurf® GameDay Grass™ MT 38 Fields.....	15,125.35	
32 18 23 29-0007 EA Baseball Markings For AstroTurf® GameDay Grass™ MT 38 Fields.....	12,328.59	
32 18 23 29-0008 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 38 Fields.....	3,709.99	
Note: Per sport.		
32 18 23 29-0009 EA Endzone Lettering For AstroTurf® GameDay Grass™ MT 38 Fields.....	1,369.84	
Note: Per letter. Excludes outline.		
32 18 23 29-0010 EA Colored Endzone For AstroTurf® GameDay Grass™ MT 38 Fields.....	1,312.77	
Note: Per endzone.		
32 18 23 29-0011 EA Simple Logo For AstroTurf® GameDay Grass™ MT 38 Fields.....	11,415.36	
Note: Block letter.		
32 18 23 29-0012 EA Deluxe Logo For AstroTurf® GameDay Grass™ MT 38 Fields.....	16,552.27	
Note: Graphic.		
32 18 23 29-0013 41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 41) (32 18 23 29-0003)		
32 18 23 29-0014 SF 41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 41).....	4.87	
For Ambient Rubber And Sand Infill, Add	0.10	
For Cryo Rubber Infill, Add	0.26	
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.31	
For Cryo Rubber And Sand Infill, Add	0.36	
32 18 23 29-0015 EA Football Markings For AstroTurf® GameDay Grass™ MT 41 Fields.....	15,410.83	
32 18 23 29-0016 EA Baseball Markings For AstroTurf® GameDay Grass™ MT 41 Fields.....	12,785.28	
32 18 23 29-0017 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 41 Fields.....	3,995.40	
Note: Per sport.		
32 18 23 29-0018 EA Endzone Lettering For AstroTurf® GameDay Grass™ MT 41 Fields.....	1,484.01	
Note: Per letter. Excludes outline.		
32 18 23 29-0019 EA Colored Endzone For AstroTurf® GameDay Grass™ MT 41 Fields.....	1,369.85	
Note: Per endzone.		
32 18 23 29-0020 EA Simple Logo For AstroTurf® GameDay Grass™ MT 41 Fields.....	11,986.20	
Note: Block letter.		
32 18 23 29-0021 EA Deluxe Logo For AstroTurf® GameDay Grass™ MT 41 Fields.....	17,379.99	
Note: Graphic.		

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 18 Athletic And Recreational Surfacing**
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 UNIT COST UNIT COST

32 18 23 29-0022		45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 45) <small>(32 18 23 29-0003)</small>		
32 18 23 29-0023	SF	45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 45)	5.00	
		<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
		<i>For Cryo Rubber Infill, Add</i>	0.26	
		<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
		<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0024	EA	Football Markings For AstroTurf® GameDay Grass™ MT 45 Fields	15,696.21	
32 18 23 29-0025	EA	Baseball Markings For AstroTurf® GameDay Grass™ MT 45 Fields	13,812.67	
32 18 23 29-0026	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 45 Fields.....	4,280.79	
		Note: Per sport.		
32 18 23 29-0027	EA	Endzone Lettering For AstroTurf® GameDay Grass™ MT 45 Fields	1,598.16	
		Note: Per letter. Excludes outline.		
32 18 23 29-0028	EA	Colored Endzone For AstroTurf® GameDay Grass™ MT 45 Fields.....	1,426.93	
		Note: Per endzone.		
32 18 23 29-0029	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 45 Fields	12,556.97	
		Note: Block letter.		
32 18 23 29-0030	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 45 Fields	18,207.61	
		Note: Graphic.		
32 18 23 29-0031		Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D) <small>(32 18 23 29-0002)</small>		
32 18 23 29-0032		52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 52) <small>(32 18 23 29-0031)</small>		
32 18 23 29-0033	SF	52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 52)	5.81	
		<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
		<i>For Cryo Rubber Infill, Add</i>	0.20	
		<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.25	
		<i>For Cryo Rubber And Sand Infill, Add</i>	0.30	
32 18 23 29-0034	EA	Football Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields	16,266.89	
32 18 23 29-0035	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields	17,351.35	
32 18 23 29-0036	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	4,851.53	
		Note: Per sport.		
32 18 23 29-0037	EA	Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	1,826.46	
		Note: Per letter. Excludes outline.		
32 18 23 29-0038	EA	Colored Endzone For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	1,541.07	
		Note: Per endzone.		
32 18 23 29-0039	EA	Simple Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	13,698.43	
		Note: Block letter.		
32 18 23 29-0040	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields	19,862.73	
		Note: Graphic.		
32 18 23 29-0041		60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 60) <small>(32 18 23 29-0031)</small>		
32 18 23 29-0042	SF	60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 60)	6.07	
		<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
		<i>For Cryo Rubber Infill, Add</i>	0.20	
		<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.25	
		<i>For Cryo Rubber And Sand Infill, Add</i>	0.30	
32 18 23 29-0043	EA	Football Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	16,552.27	
32 18 23 29-0044	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	19,291.96	
32 18 23 29-0045	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields.....	5,136.91	
		Note: Per sport.		
32 18 23 29-0046	EA	Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 60 Fields.....	1,940.61	
		Note: Per letter. Excludes outline.		
32 18 23 29-0047	EA	Colored Endzone For AstroTurf® GameDay Grass™ 3DX 60 Fields.....	1,598.15	
		Note: Per endzone.		
32 18 23 29-0048	EA	Simple Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields.....	14,269.20	
		Note: Block letter.		
32 18 23 29-0049	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields	20,690.34	
		Note: Graphic.		
32 18 23 29-0050		52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 52) <small>(32 18 23 29-0031)</small>		
32 18 23 29-0051	SF	52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 52)	6.08	
		<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
		<i>For Cryo Rubber Infill, Add</i>	0.20	
		<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.25	
		<i>For Cryo Rubber And Sand Infill, Add</i>	0.30	
32 18 23 29-0052	EA	Football Markings For AstroTurf® GameDay Grass™ 3D 52 Fields.....	16,837.66	
32 18 23 29-0053	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3D 52 Fields.....	19,406.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0054 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 52 Fields.....	5,422.30	
Note: Per sport.		
32 18 23 29-0055 EA Endzone Lettering For AstroTurf® GameDay Grass™ 3D 52 Fields.....	2,054.76	
Note: Per letter. Excludes outline.		
32 18 23 29-0056 EA Colored Endzone For AstroTurf® GameDay Grass™ 3D 52 Fields.....	1,655.23	
Note: Per endzone.		
32 18 23 29-0057 EA Simple Logo For AstroTurf® GameDay Grass™ 3D 52 Fields.....	14,839.97	
Note: Block letter.		
32 18 23 29-0058 EA Deluxe Logo For AstroTurf® GameDay Grass™ 3D 52 Fields.....	21,517.95	
Note: Graphic.		
32 18 23 29-0059 60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 60) (32 18 23 29-0031)		
32 18 23 29-0060 SF 60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 60).....	6.23	
<i>For Ambient Rubber And Sand Infill, Add</i>	<i>0.10</i>	
<i>For Cryo Rubber Infill, Add</i>	<i>0.20</i>	
<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	<i>0.25</i>	
<i>For Cryo Rubber And Sand Infill, Add</i>	<i>0.30</i>	
32 18 23 29-0061 EA Football Markings For AstroTurf® GameDay Grass™ 3D 60 Fields.....	17,123.04	
32 18 23 29-0062 EA Baseball Markings For AstroTurf® GameDay Grass™ 3D 60 Fields.....	20,661.80	
32 18 23 29-0063 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 60 Fields.....	5,707.68	
Note: Per sport.		
32 18 23 29-0064 EA Endzone Lettering For AstroTurf® GameDay Grass™ 3D 60 Fields.....	2,283.07	
Note: Per letter. Excludes outline.		
32 18 23 29-0065 EA Colored Endzone For AstroTurf® GameDay Grass™ 3D 60 Fields.....	1,712.30	
Note: Per endzone.		
32 18 23 29-0066 EA Simple Logo For AstroTurf® GameDay Grass™ 3D 60 Fields.....	15,410.74	
Note: Block letter.		
32 18 23 29-0067 EA Deluxe Logo For AstroTurf® GameDay Grass™ 3D 60 Fields.....	22,345.57	
Note: Graphic.		
32 18 23 29-0068 Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ XPe) (32 18 23 29-0002)		
32 18 23 29-0069 38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 38) (32 18 23 29-0068)		
32 18 23 29-0070 SF 38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 38).....	4.61	
<i>For Ambient Rubber And Sand Infill, Add</i>	<i>0.10</i>	
<i>For Cryo Rubber Infill, Add</i>	<i>0.26</i>	
<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	<i>0.31</i>	
<i>For Cryo Rubber And Sand Infill, Add</i>	<i>0.36</i>	
32 18 23 29-0071 EA Football Markings For AstroTurf® GameDay Grass™ XPe 38 Fields.....	14,554.67	
32 18 23 29-0072 EA Baseball Markings For AstroTurf® GameDay Grass™ XPe 38 Fields.....	10,730.50	
32 18 23 29-0073 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 38 Fields.....	3,139.24	
Note: Per sport.		
32 18 23 29-0074 EA Endzone Lettering For AstroTurf® GameDay Grass™ XPe 38 Fields.....	1,141.54	
Note: Per letter. Excludes outline.		
32 18 23 29-0075 EA Colored Endzone For AstroTurf® GameDay Grass™ XPe 38 Fields.....	1,198.62	
Note: Per endzone.		
32 18 23 29-0076 EA Simple Logo For AstroTurf® GameDay Grass™ XPe 38 Fields.....	10,273.89	
Note: Block letter.		
32 18 23 29-0077 EA Deluxe Logo For AstroTurf® GameDay Grass™ XPe 38 Fields.....	14,897.13	
Note: Graphic.		
32 18 23 29-0078 42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 42) (32 18 23 29-0068)		
32 18 23 29-0079 SF 42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 42).....	4.09	
<i>For Ambient Rubber And Sand Infill, Add</i>	<i>0.10</i>	
<i>For Cryo Rubber Infill, Add</i>	<i>0.26</i>	
<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	<i>0.31</i>	
<i>For Cryo Rubber And Sand Infill, Add</i>	<i>0.36</i>	
32 18 23 29-0080 EA Football Markings For AstroTurf® GameDay Grass™ XPe 42 Fields.....	14,839.97	
32 18 23 29-0081 EA Baseball Markings For AstroTurf® GameDay Grass™ XPe 42 Fields.....	11,415.36	
32 18 23 29-0082 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 42 Fields.....	3,424.61	
Note: Per sport.		
32 18 23 29-0083 EA Endzone Lettering For AstroTurf® GameDay Grass™ XPe 42 Fields.....	1,255.69	
Note: Per letter. Excludes outline.		
32 18 23 29-0084 EA Colored Endzone For AstroTurf® GameDay Grass™ XPe 42 Fields.....	1,255.69	
Note: Per endzone.		
32 18 23 29-0085 EA Simple Logo For AstroTurf® GameDay Grass™ XPe 42 Fields.....	10,844.59	
Note: Block letter.		
32 18 23 29-0086 EA Deluxe Logo For AstroTurf® GameDay Grass™ XPe 42 Fields.....	15,724.66	
Note: Graphic.		

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 18 Athletic And Recreational Surfacing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 18 23 29-0087	Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®) (32 18 23 29-0002)	
32 18 23 29-0088	SF Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®).....	9.60
32 18 23 29-0089	SF Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® PureGrass®).....	8.44
32 18 23 29-0090	EA Football Markings For AstroTurf® PureGrass® Fields.....	28,163.68
32 18 23 29-0091	EA Baseball Markings For AstroTurf® PureGrass® Fields.....	33,459.41
32 18 23 29-0092	EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® PureGrass® Fields.....	8,184.32
	Note: Per sport.	
32 18 23 29-0093	EA Endzone Lettering For AstroTurf® PureGrass® Fields.....	3,129.30
	Note: Per letter. Excludes outline.	
32 18 23 29-0094	EA Colored Endzone For AstroTurf® PureGrass® Fields.....	2,322.78
	Note: Per endzone.	
32 18 23 29-0095	EA Simple Logo For AstroTurf® PureGrass® Fields.....	20,905.00
	Note: Block letter.	
32 18 23 29-0096	EA Deluxe Logo For AstroTurf® PureGrass® Fields.....	30,691.19
	Note: Graphic.	
32 18 23 29-0097	Synthetic Turf (G9 Turf) (32 18 23 29-0001)	
	Note: Includes labor, equipment and material required to install the task.	
32 18 23 29-0098	SF 2-1/2" Height, 53 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Playmaker Turf).....	6.04
	Note: For football and multi-sport fields. Excludes preparation of sub-base, grooming, sports lines and logos.	
	For >35,000, Deduct	-0.56
32 18 23 29-0099	SF 2" Height, 48 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Striker Turf).....	5.99
	Note: For all sports other than football. Excludes preparation of sub-base, grooming, sports lines and logos.	
	For >35,000, Deduct	-0.55
32 18 23 29-0100	SF 1-3/4" Height, 72 Ounce, Tufted 3/8" Gauge, Two-Color Monofilament Synthetic Turf With Thatch Layer And Acrylic Coated Sand Infill (G9 Turf Perennial Turf).....	6.23
	Note: For landscaped areas or playgrounds. Excludes preparation of sub-base, grooming, sports lines and logos.	
32 18 23 29-0101	EA Football Inlays For G9 Synthetic Turf.....	38,933.73
	Note: Includes field grid, numbers, arrows, coach's box and kick off lines.	
32 18 23 29-0102	EA Soccer Inlays For G9 Synthetic Turf.....	16,871.28
32 18 23 29-0103	EA Boys Lacrosse Inlays For G9 Synthetic Turf.....	16,871.28
32 18 23 29-0104	EA Girls Lacrosse Inlays For G9 Synthetic Turf.....	16,871.28
32 18 23 29-0105	EA Field Hockey Inlays For G9 Synthetic Turf.....	16,871.28
32 18 23 29-0106	EA Endzone Lettering For G9 Synthetic Turf.....	1,946.69
	Note: Priced per letter. Includes single color outlining.	
32 18 23 29-0107	SF Ethylene Propylene Diene Monomer (EPDM) Black Infill For G9 Synthetic Turf.....	1.82
32 18 23 29-0108	SF Ethylene Propylene Diene Monomer (EPDM) Color Infill For G9 Synthetic Turf.....	4.76
32 18 23 29-0109	SF Styrene-Butadiene Rubber (SBR) Infill For G9 Synthetic Turf.....	1.36
32 18 23 29-0110	SF Sand Infill For G9 Synthetic Turf.....	0.69
32 18 23 29-0111	SF Acrylic Coated Sand Infill For G9 Synthetic Turf.....	1.13
32 18 23 29-0112	EA Gmax Compaction And Hardness Test For G9 Synthetic Turf.....	1,297.79
	Note: Includes a comprehensive report.	
32 18 23 29-0113	EA Safety Bridge Over Track For G9 Synthetic Turf.....	12,977.91
32 18 23 29-0114	SF Clean And Groom Synthetic Turf.....	0.43
	Note: Includes using equipment to pick up metal particles in the field, air vacuum the top 2-5 mm of infill, clean and screen to remove broken strands, dirt, bandage, etc.	
	For >10,000 To 30,000, Deduct	-0.17
	For >30,000 To 60,000, Deduct	-0.30
	For >60,000, Deduct	-0.33
32 18 23 29-0115	SF Rejuvenate Synthetic Turf And Reinstall Existing Infill.....	2.91
	Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes reinstalling the old infill that was removed.	
32 18 23 29-0116	SF Rejuvenate Synthetic Turf For Installation Of New Infill.....	3.23
	Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes disposing of the old infill. Excludes new infill.	
32 18 23 29-0117	SF Drainage Layer For G9 Synthetic Turf.....	2.65
	Note: Used for drainage over asphalt or on roof tops.	
32 18 23 29-0118	SF 15 mm, Shock Pad For G9 Synthetic Turf.....	1.63
	Note: Used for additional Gmax for a stone base field.	
32 18 23 29-0119	EA Single Visit Repair Call To Repair Up To 300 LF Of Inlay Lines Or Seams On G9 Synthetic Turf.....	2,586.40
	Note: Includes field inspection and report.	
32 18 23 29-0120	LF Repair Inlay Lines Or Seams On G9 Synthetic Turf.....	7.11
	Note: Linear foot price for repairs over the initial repair call maximum of 300 LF.	
32 18 23 29-0121	LF Nailer Used To Attach G9 Synthetic Turf.....	2.84
32 18 23 29-0122	SF Removal And Recycling Of Existing Field.....	2.00
	Note: Includes removal, shipping and recycling of infill, fibers and backing.	

32 18 23 33 Running Track Surfacing (32 18 23)

32 18 23 33-0001	Running Track Surfacing (32 18 23 33)	
32 18 23 33-0002	SY 2-1/2" Asphaltic Concrete Running Track Surfacing.....	28.76

32 18 23 33-0003 Running Track Seal And Colored Surfaces (32 18 23 33)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 33-0004 SY 1 Seal Coat, Striping Of Track Note: Includes certification.	16.47	
32 18 23 39 Synthetic Running Track Surfacing (32 18 23)		
32 18 23 39-0001 Synthetic Running Track Surfacing (XPLODE™) (32 18 23 39) Note: Excludes asphalt base. Includes striping.		
32 18 23 39-0002 SY Paved-In-Place Styrene-Butadiene Rubber (SBR) Or Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Synthetic Running Track Surfacing (XPLODE™ M100)	40.70	5.46
For Up To 4,000, Add	14.25	
For >5,500, Deduct	-4.48	
32 18 23 39-0003 SY Paved-In-Place Styrene-Butadiene Rubber (SBR) Granule Base Mat With Polyurethane Binder Finished With A Textured And Pigmented Polyurethane And Ethylene Propylene Diene Monomer (EPDM) Rubber Structural Spray Coat, Synthetic Running Track Surfacing (XPLODE™ MS200)	54.62	5.46
For Up To 4,000, Add	19.12	
For >5,500, Deduct	-6.01	
For Custom Color Upgrade, Add	5.19	
For Aliphatic Top Coating, Add	9.83	
32 18 23 39-0004 SY Paved-In-Place Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Two-Component Polyurethane Sealer Layer And Two-Component Polyurethane Wearing Layer With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber, Synthetic Running Track Surfacing (XPLODE™ MSX500)	91.79	5.46
For Up To 4,000, Add	32.13	
For >5,500, Deduct	-5.51	
For Custom Color Upgrade, Add	7.07	
For Aliphatic Top Coating, Add	13.13	
32 18 23 39-0005 SY Full Pour Two-Component Polyurethane Track System With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber Surface, Synthetic Running Track Surfacing (XPLODE™ MSX5000).....	118.57	5.46
For Up To 4,000, Add	41.50	
For >5,500, Deduct	-7.11	
For Custom Color Upgrade, Add	9.25	
For Aliphatic Top Coating, Add	13.52	
32 18 23 39-0006 SY Latex Binder, Synthetic Running Track Surfacing (XPLODE™ Plexitrac® Lightning)	37.08	
For Up To 4,000, Add	12.98	
For >5,500, Deduct	-4.08	
32 18 23 39-0007 SY Latex Binder, Synthetic Running Track Surfacing (XPLODE™ Plexitrac® Accelerator).....	41.73	
For Up To 4,000, Add	14.61	
For >5,500, Deduct	-6.05	
32 18 23 39-0008 SY Spray Retop XPLODE™ M100/MS200 Running Tracks	36.65	
For Up To 4,000, Add	12.83	
For >5,500, Deduct	-3.58	
32 18 23 39-0009 SY Sandwich Retop XPLODE™ MSX500 Running Tracks.....	70.95	
For Up To 4,000, Add	24.83	
For >5,500, Deduct	-7.48	
32 18 23 39-0010 SY Retop XPLODE™ Plexitrac® Lightning Running Tracks	20.63	
Note: Two layers.		
For Up To 4,000, Add	7.22	
For >5,500, Deduct	-3.41	
32 18 23 39-0011 SY Retop XPLODE™ Plexitrac® Accelerator Running Tracks.....	25.13	
Note: Two layers.		
For Up To 4,000, Add	8.80	
For >5,500, Deduct	-3.41	
32 18 23 39-0012 EA Restripe XPLODE™ Running Track	8,530.50	
Note: Includes two coats of acrylic resurfacer and two coats of color.		
For College Track Restriping, Add	1,551.00	
32 18 23 53 Tennis Court Surfacing (32 18 23)		
32 18 23 53-0001 Tennis Court Surfacing (32 18 23 53) See CSI section 32 18 23 61-0000 for 100% acrylic tennis court surfacing.		
32 18 23 53-0002 SY Tennis Court Bituminous Pavement, 2-1/2" Thick.....	31.72	
32 18 23 53-0003 Tennis Court Markings (32 18 23 53)		
32 18 23 53-0004 EA Paint Markings On Asphalt Tennis Court 2 Coats.....	436.23	
32 18 23 56 Natural Tennis Court Surfacing (32 18 23)		
32 18 23 56-0001 SY Clay Tennis Court.....	45.05	
32 18 23 56-0002 SY Tennis Court, Pulverized Natural Greenstone, Fast Dry.....	50.17	
Note: Includes 4" base.		
32 18 23 56-0003 SY Tennis Court, Rubber-Cork Base Resilient Pavement.....	17.72	
32 18 23 56-0004 SY Resurface Clay Tennis Court.....	12.86	
32 18 23 56-0005 SY Resurface Tennis Court, Pulverized Natural Greenstone.....	10.84	
32 18 23 56-0006 SY Resurface Tennis Court, Resilient Pavement	6.79	
32 18 23 61 Multi-Use, Tennis Court, Basketball Court Athletic Surfacing (32 18 23)		
32 18 23 61-0001 100% Acrylic Athletic Surfacing System (Plexipave®) (32 18 23 61) Note: Excludes asphalt or concrete sub base and repairs of sub base.		
32 18 23 61-0002 Surface Preparation For Athletic Surfacing System (Plexipave®) (32 18 23 61-0001)		

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 18 Athletic And Recreational Surfacing**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 61-0003	SY	100% Acrylic Resurfacer, Athletic Surfacing System (California Products Plexipave® Acrylic Resurfacer), Per Coat 1.23 Note: Includes ultra fine silica sand. Applied with rubber squeegee.	1.23	
32 18 23 61-0004	SY	Acid Etching Concrete Pre-Treatment For Plexipave® Athletic Surfacing System (California Products Plexipave® Concrete Preparer®), Per Coat 0.67 Note: For previously uncoated portland cement concrete. Applied with broom.	0.67	
32 18 23 61-0005	SY	Two-Part, Water Based Epoxy Primer For Plexipave® Athletic Surfacing System (California Products Plexipave® Ti-Coat®), Per Coat 1.74 Note: For new or uncoated portland cement concrete. Applied with a short nap phenolic roller.	1.74	
32 18 23 61-0006	SY	Up To 1/2" Thick, Acrylic Latex Patching Compound, Athletic Surfacing System (California Products Plexipave® Court Patch Binder), Per Coat 70.40 Note: For patching depressions and uneven texture in new or existing asphalt or concrete surfaces. Includes ultra fine silica sand and portland cement. Applied with trowel or metal screed.	70.40	
32 18 23 61-0007		Surface Coatings For Athletic Surfacing System (Plexipave®) <small>(32 18 23 61-0001)</small> Note: Standard colors include dark green, Florida green, light green, maroon, Sahara sand, brown, California red, and cape gray.		
32 18 23 61-0008	SY	100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), First Coat 2.51 Note: Includes ultra fine silica sand. Applied with rubber squeegee.	2.51	
		<i>For Pacific Blue, Add</i> 0.14	0.14	
		<i>For US Open Blue, Add</i> 0.48	0.48	
32 18 23 61-0009	SY	100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Second Coat 2.04 Note: Includes ultra fine silica sand. Applied with rubber squeegee.	2.04	
		<i>For Pacific Blue, Add</i> 0.10	0.10	
		<i>For US Open Blue, Add</i> 0.34	0.34	
32 18 23 61-0010	SY	100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Third Coat 1.78 Note: Price per coat for third or additional coats. Includes ultra fine silica sand. Applied with rubber squeegee.	1.78	
		<i>For Pacific Blue, Add</i> 0.08	0.08	
		<i>For US Open Blue, Add</i> 0.27	0.27	
32 18 23 61-0011	SY	Non-Textured, 100% Acrylic Emulsion Color Coating Finish, Athletic Surfacing System (California Products Plexipave® Plexichrome®), Per Coat 1.88 Note: Non-textured finish coat over Plexipave® for faster playing surfaces. Applied with rubber squeegee followed by wide hair-type push broom.	1.88	
		<i>For Pacific Blue, Add</i> 0.04	0.04	
		<i>For US Open Or Australian Open Blue, Add</i> 0.31	0.31	
		<i>For Pro Purple, Add</i> 0.81	0.81	
32 18 23 61-0012		Line Striping For Athletic Surfacing System (Plexipave®) <small>(32 18 23 61-0001)</small>		
32 18 23 61-0013	SY	Tennis Or Basketball Court Line Striping For Athletic Surfacing System, Per SY Of Court (California Products Plexipave® Hi-Hide Plexicolor®) 1.19 Note: Textured or non-textured highly reflective line marking paint.	1.19	
32 18 23 61-0014		Cushion Coatings For Athletic Surfacing System (Plexipave® Plexicushion®) <small>(32 18 23 61-0001)</small>		
32 18 23 61-0015	SY	Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), First Coat 4.11 Note: Applied with rubber squeegee.	4.11	
32 18 23 61-0016	SY	Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Second Coat 5.61 Note: Applied with rubber squeegee.	5.61	
32 18 23 61-0017	SY	Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Third Coat 4.82 Note: Price per coat for third or additional coats. Applied with rubber squeegee.	4.82	
32 18 23 61-0018	SY	Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), First Coat 3.61 Note: Applied with rubber squeegee.	3.61	
32 18 23 61-0019	SY	Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), Second Coat 2.75 Note: Price per coat for second or additional coats. Applied with rubber squeegee.	2.75	
32 18 23 61-0020		Resurface Athletic Court <small>(32 18 23 61)</small> Note: Excludes asphalt or concrete sub base and repairs of sub base.		
32 18 23 61-0021	SY	Court Resurfacing System, 2 Coats Resurfacer, 2 Coats Color, And Sand (SealMaster) 1.81	1.81	

32 30 Site Improvements (32)**32 31 Fences And Gates** (32 30)**32 31 11 Gate Operators** (32 31)

32 31 11 00-0001 Gate Operators (32 31 11)
Note: Excludes gates, electrical connections, access controls and concrete foundation.

32 31 11 00-0002 Swing Gate Actuator (32 31 11 00-0001)

32 31 11 00-0003 Single Gate, Swing Gate Actuator (32 31 11 00-0002)



Exterior Improvements	32	32
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 11 00-0004 EA Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6003) 1,291.40	1,291.40	175.32
Note: Includes one primary operator with a 10' wide gate capacity.		
32 31 11 00-0005 EA Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6002) 1,699.05	1,699.05	175.32
Note: Includes one primary operator with a 14' wide gate capacity.		
32 31 11 00-0006 Dual Gate, Swing Gate Actuator (32 31 11 00-0002)		
32 31 11 00-0007 EA Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6003) 2,582.79	2,582.79	350.65
Note: Includes one primary and one secondary operator each with a 10' wide gate capacity.		
32 31 11 00-0008 EA Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6002) 3,398.10	3,398.10	350.65
Note: Includes one primary and one secondary operator each with a 14' wide gate capacity.		
32 31 11 00-0009 Swing Gate Operators (32 31 11 00-0001)		
32 31 11 00-0010 Single Gate, Swing Gate Operators (32 31 11 00-0009)		
32 31 11 00-0011 EA 400 LB Capacity, Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6050) 2,566.63	2,566.63	175.32
Note: Includes one primary operator with a 10' wide and 400 LB gate capacity.		
32 31 11 00-0012 EA 500 LB Capacity, Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6100) 2,786.14	2,786.14	175.32
Note: Includes one primary operator with a 14' wide and 500 LB gate capacity.		
32 31 11 00-0013 EA 700 LB Capacity, Up To 18' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500) 3,758.25	3,758.25	175.32
Note: Includes one primary operator with an 18' wide and 700 LB gate capacity.		
For 208/230/460 Volt AC, Add	322.50	
32 31 11 00-0014 EA 800 LB Capacity, Up To 22' Wide Gate, 1 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500) 4,249.53	4,249.53	175.32
Note: Includes one primary operator with a 22' wide and 800 LB gate capacity.		
For 208/230/460 Volt AC, Add	322.50	
32 31 11 00-0015 Dual Gate, Swing Gate Operators (32 31 11 00-0009)		
32 31 11 00-0016 EA 400 LB Capacity, Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6050) 4,558.35	4,558.35	350.65
Note: Includes one primary and one secondary operator each with a 10' wide and 400 LB gate capacity.		
32 31 11 00-0017 EA 500 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6100) 4,997.37	4,997.37	350.65
Note: Includes one primary and one secondary operator each with a 14' wide and 500 LB gate capacity.		
32 31 11 00-0018 EA 700 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500) 6,931.13	6,931.13	350.65
Note: Includes one primary and one secondary operator each with an 18' wide and 700 LB gate capacity.		
For 208/230/460 Volt AC, Add	322.50	
32 31 11 00-0019 EA 800 LB Capacity, Up To 22' Wide Gates, 1 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500) 8,007.76	8,007.76	350.65
Note: Includes one primary and one secondary operator each with a 22' wide and 800 LB gate capacity.		
For 208/230/460 Volt AC, Add	322.50	
32 31 11 00-0020 Sliding Gate Operators (32 31 11 00-0001)		
Note: Includes 20' of chain. See CSI section 32 31 11 00-0029 for additional chain over 20'.		
32 31 11 00-0021 EA 300 LB Capacity, Up To 16' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9050) 2,075.35	2,075.35	175.32
Note: Includes operator, chain brackets, hardware and 20' of #41 chain.		
32 31 11 00-0022 EA 1,000 LB Capacity, Up To 30' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9100) 2,929.44	2,929.44	210.38
Note: Includes operator, chain brackets, hardware and 20' of #41 chain.		
32 31 11 00-0023 EA 1,500 LB Capacity, Up To 45' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9150) 3,661.13	3,661.13	210.38
Note: Includes operator, chain brackets, hardware and 20' of #40 chain.		
32 31 11 00-0024 EA 3,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9210) 4,802.66	4,802.66	245.45
Note: Includes operator, chain brackets, hardware and 20' of #50 chain.		
32 31 11 00-0025 EA 2,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9220) 5,931.56	5,931.56	245.45
Note: Includes operator, chain brackets, hardware and 20' of #50 chain.		
32 31 11 00-0026 EA 5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9230) 8,134.05	8,134.05	280.52
Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
32 31 11 00-0027 EA 5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9530) 13,731.49	13,731.49	280.52
Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
32 31 11 00-0028 EA 10,000 LB Capacity, Up To 160' Wide Gate, 5 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9550) 23,397.25	23,397.25	315.58
Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
32 31 11 00-0029 Accessories For Gate Actuators And Operators (32 31 11 00-0001)		
32 31 11 00-0030 EA Single Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9410) 453.98	453.98	
32 31 11 00-0031 EA Two Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9409) 886.01	886.01	
32 31 11 00-0032 EA Heater Kit For Gate Actuators And Operators (DKS™ DoorKing® 1601) 558.37	558.37	
32 31 11 00-0033 EA Photoelectric Eye For Gate Actuators And Operators (DKS™ DoorKing® 8080-031) 618.04	618.04	
32 31 11 00-0034 EA Reversing Edge Sensor For Gate Actuators And Operators (DKS™ DoorKing® 8080-020) 555.32	555.32	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 11 00-0035	EA	Post Mount Base Plate For Gate Actuators And Operators (DKS™ DoorKing® 9310)	403.76	
32 31 11 00-0036	LF	#40 Chain For Sliding Gate Operators.....	7.49	
32 31 11 00-0037	LF	#41 Chain For Sliding Gate Operators.....	5.93	
32 31 11 00-0038	LF	#50 Chain For Sliding Gate Operators.....	8.36	
32 31 11 00-0039	LF	#60 Chain For Sliding Gate Operators.....	7.93	
32 31 11 00-0040	EA	Exterior Keypad Gate Operator (Linear AK-11)	475.22	120.80

32 31 13 Chain Link Fences And Gates (32 31)**32 31 13 13 Chain Link Fences And Gates (32 31 13)****32 31 13 13-0001****Post Holes (32 31 13 13)**

Note: Excludes spreading of excess material on site or loading and removal of excavated material from site. See CSI section 02 41 19 13-0025 for core drilling in concrete, 02 41 19 13-0163 for core drilling in asphalt.

32 31 13 13-0002**Auger By Machine Fence Post Hole In Soil (32 31 13 13-0001)**

32 31 13 13-0003	VLF	Up To 2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil	7.63
32 31 13 13-0004	VLF	2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil	8.58
32 31 13 13-0005	VLF	3" Diameter Hole, Auger By Machine Fence Post Hole In Soil	10.18
32 31 13 13-0006	VLF	4" Diameter Hole, Auger By Machine Fence Post Hole In Soil	11.45
32 31 13 13-0007	VLF	6" Diameter Hole, Auger By Machine Fence Post Hole In Soil	12.48
32 31 13 13-0008	VLF	8" Diameter Hole, Auger By Machine Fence Post Hole In Soil	13.73
32 31 13 13-0009	VLF	10" Diameter Hole, Auger By Machine Fence Post Hole In Soil	15.25
32 31 13 13-0010	VLF	12" Diameter Hole, Auger By Machine Fence Post Hole In Soil	17.16
32 31 13 13-0011	VLF	18" Diameter Hole, Auger By Machine Fence Post Hole In Soil	19.62
32 31 13 13-0012	VLF	24" Diameter Hole, Auger By Machine Fence Post Hole In Soil	22.88
32 31 13 13-0013	VLF	30" Diameter Hole, Auger By Machine Fence Post Hole In Soil	27.46
32 31 13 13-0014	VLF	36" Diameter Hole, Auger By Machine Fence Post Hole In Soil	34.33

32 31 13 13-0015**Post Hole In Rock (32 31 13 13-0001)**

32 31 13 13-0016	CF	Jackhammer Post Hole In Rock.....	57.94
32 31 13 13-0017	CF	Rock Drill Post Hole In Rock.....	17.28

32 31 13 13-0018**Fill For Post Holes (32 31 13 13-0001)**

See CSI section 03 21 00 00-0000 for reinforcing bars.

32 31 13 13-0019**Concrete Fill For Post Holes (32 31 13 13-0018)**

32 31 13 13-0020	VLF	Up To 2-1/2" Diameter, Concrete Fill For Post Hole	4.90
32 31 13 13-0021	VLF	2-1/2" Diameter, Concrete Fill For Post Hole	6.28
32 31 13 13-0022	VLF	3" Diameter, Concrete Fill For Post Hole	6.95
32 31 13 13-0023	VLF	4" Diameter, Concrete Fill For Post Hole	8.06
32 31 13 13-0024	VLF	6" Diameter, Concrete Fill For Post Hole	11.42
32 31 13 13-0025	VLF	8" Diameter, Concrete Fill For Post Hole	15.24
32 31 13 13-0026	VLF	10" Diameter, Concrete Fill For Post Hole	18.67
32 31 13 13-0027	VLF	12" Diameter, Concrete Fill For Post Hole	21.81
32 31 13 13-0028	VLF	18" Diameter, Concrete Fill For Post Hole	29.92
32 31 13 13-0029	VLF	24" Diameter, Concrete Fill For Post Hole	37.34
32 31 13 13-0030	VLF	30" Diameter, Concrete Fill For Post Hole	44.59
32 31 13 13-0031	VLF	36" Diameter, Concrete Fill For Post Hole	52.15

32 31 13 13-0032**Grout Fill For Post Holes (32 31 13 13-0018)**

32 31 13 13-0033	VLF	Up To 2-1/2" Diameter, Grout Fill For Post Hole.....	5.73
32 31 13 13-0034	VLF	2-1/2" Diameter, Grout Fill For Post Hole.....	7.40
32 31 13 13-0035	VLF	3" Diameter, Grout Fill For Post Hole.....	8.09
32 31 13 13-0036	VLF	4" Diameter, Grout Fill For Post Hole.....	9.16
32 31 13 13-0037	VLF	6" Diameter, Grout Fill For Post Hole.....	12.83
32 31 13 13-0038	VLF	8" Diameter, Grout Fill For Post Hole.....	17.14
32 31 13 13-0039	VLF	10" Diameter, Grout Fill For Post Hole.....	20.90
32 31 13 13-0040	VLF	12" Diameter, Grout Fill For Post Hole.....	24.32
32 31 13 13-0041	VLF	18" Diameter, Grout Fill For Post Hole.....	32.75
32 31 13 13-0042	VLF	24" Diameter, Grout Fill For Post Hole.....	40.25
32 31 13 13-0043	VLF	30" Diameter, Grout Fill For Post Hole.....	47.54
32 31 13 13-0044	VLF	36" Diameter, Grout Fill For Post Hole.....	55.05

32 31 13 13-0045**Compacted Earth Fill For Post Holes (32 31 13 13-0018)**

32 31 13 13-0046	VLF	Up To 2-1/2" Diameter, Compacted Earth Fill For Post Hole	3.90
32 31 13 13-0047	VLF	2-1/2" Diameter, Compacted Earth Fill For Post Hole	5.09
32 31 13 13-0048	VLF	3" Diameter, Compacted Earth Fill For Post Hole.....	5.32
32 31 13 13-0049	VLF	4" Diameter, Compacted Earth Fill For Post Hole.....	5.47
32 31 13 13-0050	VLF	6" Diameter, Compacted Earth Fill For Post Hole.....	7.30
32 31 13 13-0051	VLF	8" Diameter, Compacted Earth Fill For Post Hole.....	9.74
32 31 13 13-0052	VLF	10" Diameter, Compacted Earth Fill For Post Hole.....	11.68
32 31 13 13-0053	VLF	12" Diameter, Compacted Earth Fill For Post Hole.....	13.25
32 31 13 13-0054	VLF	18" Diameter, Compacted Earth Fill For Post Hole.....	16.15
32 31 13 13-0055	VLF	24" Diameter, Compacted Earth Fill For Post Hole.....	18.11
32 31 13 13-0056	VLF	30" Diameter, Compacted Earth Fill For Post Hole.....	19.87
32 31 13 13-0057	VLF	36" Diameter, Compacted Earth Fill For Post Hole.....	21.43



Exterior Improvements	32	32
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0058 Fence Posts <small>(32 31 13 13)</small> Note: Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 13 13-0059 Fence Posts <small>(32 31 13 13-0058)</small>		
32 31 13 13-0060 1-7/8" H-Beam Post Without Top Rail Fitting, Galvanized Steel <small>(32 31 13 13-0059)</small> Note: Includes cap and accessories.		
32 31 13 13-0061 LF 1-7/8" Galvanized H-beam Post, Up To 6' In Length For Each Top Rail Fitting, Add	12.54 0.85	2.59
32 31 13 13-0062 LF 1-7/8" Galvanized H-beam Post, 7' To 10' In Length For Each Top Rail Fitting, Add	11.81 0.85	2.20
32 31 13 13-0063 LF 1-7/8" Galvanized H-beam Post, 11' To 15' In Length For Each Top Rail Fitting, Add	10.92 0.85	1.82
32 31 13 13-0064 LF 1-7/8" Galvanized H-beam Post, 16' To 20' In Length For Each Top Rail Fitting, Add	10.20 0.85	1.43
32 31 13 13-0065 LF 1-7/8" Galvanized H-beam Post, 21' To 24' In Length For Each Top Rail Fitting, Add	9.72 0.85	1.25
32 31 13 13-0066 LF 1-7/8" Galvanized H-beam Post, >24' In Length For Each Top Rail Fitting, Add	8.97 0.85	0.87
32 31 13 13-0067 Post Without Top Rail Fitting, Galvanized Steel (1.66" Nominal) <small>(32 31 13 13-0059)</small> Note: 1-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0068 LF 1-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length For Each Top Rail Fitting, Add For Each Single Barbed Wire Arm, Add For Each Double Barbed Wire Arm, Add For SS40 (Hot-Dip Galvanized And Chromated), Add For Vinyl Coated, Add For Powder Coated, Add For Aluminum Coated, Add For Schedule 20, Deduct For Schedule 80, Add	8.89 0.85 1.90 3.40 1.03 2.46 3.28 5.13 -0.82 2.45	2.39
32 31 13 13-0069 LF 1-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length For Each Top Rail Fitting, Add For Each Single Barbed Wire Arm, Add For Each Double Barbed Wire Arm, Add For SS40 (Hot-Dip Galvanized And Chromated), Add For Vinyl Coated, Add For Powder Coated, Add For Aluminum Coated, Add For Schedule 20, Deduct For Schedule 80, Add	8.14 0.85 1.90 3.40 1.03 2.46 3.28 5.13 -0.82 2.37	2.01
32 31 13 13-0070 LF 1-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length For Each Top Rail Fitting, Add For Each Single Barbed Wire Arm, Add For Each Double Barbed Wire Arm, Add For SS40 (Hot-Dip Galvanized And Chromated), Add For Vinyl Coated, Add For Powder Coated, Add For Aluminum Coated, Add For Schedule 20, Deduct For Schedule 80, Add	7.32 0.85 1.90 3.40 1.03 2.46 3.28 5.13 -0.82 2.29	1.62
32 31 13 13-0071 LF 1-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length For Each Top Rail Fitting, Add For Each Single Barbed Wire Arm, Add For Each Double Barbed Wire Arm, Add For SS40 (Hot-Dip Galvanized And Chromated), Add For Vinyl Coated, Add For Powder Coated, Add For Aluminum Coated, Add For Schedule 20, Deduct For Schedule 80, Add	6.69 0.85 1.90 3.40 1.03 2.46 3.28 5.13 -0.82 2.23	1.25
32 31 13 13-0072 LF 1-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length For Each Top Rail Fitting, Add For Each Single Barbed Wire Arm, Add For Each Double Barbed Wire Arm, Add For SS40 (Hot-Dip Galvanized And Chromated), Add For Vinyl Coated, Add For Powder Coated, Add For Aluminum Coated, Add For Schedule 20, Deduct For Schedule 80, Add	6.26 0.85 1.90 3.40 1.03 2.46 3.28 5.13 -0.82 2.18	1.05
32 31 13 13-0073 LF 1-5/8" Outside Diameter Galvanized Steel Post, >24' In Length For Each Top Rail Fitting, Add For Each Single Barbed Wire Arm, Add For Each Double Barbed Wire Arm, Add For SS40 (Hot-Dip Galvanized And Chromated), Add For Vinyl Coated, Add For Powder Coated, Add For Aluminum Coated, Add For Schedule 20, Deduct For Schedule 80, Add	5.79 0.85 1.90 3.40 1.03 2.46 3.28 5.13 -0.82 2.14	0.87

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0074			Post Without Top Rail Fitting, Galvanized Steel (1.90" Nominal) <small>(32 31 13 13-0059)</small> Note: 2" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0075	LF		2" Outside Diameter Galvanized Steel Post, Up To 6' In Length .....9.96	9.96	2.49
			<i>For Each Top Rail Fitting, Add</i> 1.35		
			<i>For Each Single Barbed Wire Arm, Add</i> 2.65		
			<i>For Each Double Barbed Wire Arm, Add</i> 4.88		
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i> 1.25		
			<i>For Vinyl Coated, Add</i> 3.01		
			<i>For Powder Coated, Add</i> 4.01		
			<i>For Aluminum Coated, Add</i> 6.26		
			<i>For Schedule 20, Deduct</i> -1.00		
			<i>For Schedule 80, Add</i> 2.90		
32 31 13 13-0076	LF		2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length .....9.29	9.29	2.10
			<i>For Each Top Rail Fitting, Add</i> 1.35		
			<i>For Each Single Barbed Wire Arm, Add</i> 2.65		
			<i>For Each Double Barbed Wire Arm, Add</i> 4.88		
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i> 1.25		
			<i>For Vinyl Coated, Add</i> 3.01		
			<i>For Powder Coated, Add</i> 4.01		
			<i>For Aluminum Coated, Add</i> 6.26		
			<i>For Schedule 20, Deduct</i> -1.00		
			<i>For Schedule 80, Add</i> 2.83		
32 31 13 13-0077	LF		2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length .....8.43	8.43	1.72
			<i>For Each Top Rail Fitting, Add</i> 1.35		
			<i>For Each Single Barbed Wire Arm, Add</i> 2.65		
			<i>For Each Double Barbed Wire Arm, Add</i> 4.88		
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i> 1.25		
			<i>For Vinyl Coated, Add</i> 3.01		
			<i>For Powder Coated, Add</i> 4.01		
			<i>For Aluminum Coated, Add</i> 6.26		
			<i>For Schedule 20, Deduct</i> -1.00		
			<i>For Schedule 80, Add</i> 2.75		
32 31 13 13-0078	LF		2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length .....7.75	7.75	1.34
			<i>For Each Top Rail Fitting, Add</i> 1.35		
			<i>For Each Single Barbed Wire Arm, Add</i> 2.65		
			<i>For Each Double Barbed Wire Arm, Add</i> 4.88		
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i> 1.25		
			<i>For Vinyl Coated, Add</i> 3.01		
			<i>For Powder Coated, Add</i> 4.01		
			<i>For Aluminum Coated, Add</i> 6.26		
			<i>For Schedule 20, Deduct</i> -1.00		
			<i>For Schedule 80, Add</i> 2.68		
32 31 13 13-0079	LF		2" Outside Diameter Galvanized Steel Post, 21' To 24' In Length .....7.29	7.29	1.15
			<i>For Each Top Rail Fitting, Add</i> 1.35		
			<i>For Each Single Barbed Wire Arm, Add</i> 2.65		
			<i>For Each Double Barbed Wire Arm, Add</i> 4.88		
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i> 1.25		
			<i>For Vinyl Coated, Add</i> 3.01		
			<i>For Powder Coated, Add</i> 4.01		
			<i>For Aluminum Coated, Add</i> 6.26		
			<i>For Schedule 20, Deduct</i> -1.00		
			<i>For Schedule 80, Add</i> 2.63		
32 31 13 13-0080	LF		2" Outside Diameter Galvanized Steel Post, >24' In Length .....6.86	6.86	0.95
			<i>For Each Top Rail Fitting, Add</i> 1.35		
			<i>For Each Single Barbed Wire Arm, Add</i> 2.65		
			<i>For Each Double Barbed Wire Arm, Add</i> 4.88		
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i> 1.25		
			<i>For Vinyl Coated, Add</i> 3.01		
			<i>For Powder Coated, Add</i> 4.01		
			<i>For Aluminum Coated, Add</i> 6.26		
			<i>For Schedule 20, Deduct</i> -1.00		
			<i>For Schedule 80, Add</i> 2.59		
32 31 13 13-0081			Post Without Top Rail Fitting, Galvanized Steel (2.375" Nominal) <small>(32 31 13 13-0059)</small> Note: 2-1/2" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0082	LF		2-1/2" Outside Diameter Galvanized Steel Post, Up To 6' In Length .....11.87	11.87	2.68
			<i>For Each Top Rail Fitting, Add</i> 1.35		
			<i>For Each Single Barbed Wire Arm, Add</i> 2.65		
			<i>For Each Double Barbed Wire Arm, Add</i> 4.88		
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i> 1.67		
			<i>For Vinyl Coated, Add</i> 4.00		
			<i>For Powder Coated, Add</i> 5.33		
			<i>For Aluminum Coated, Add</i> 8.33		
			<i>For Schedule 20, Deduct</i> -1.33		
			<i>For Schedule 80, Add</i> 3.72		



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0083	LF	2-1/2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	11.14	2.30
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.67	
			<i>For Vinyl Coated, Add</i>	4.00	
			<i>For Powder Coated, Add</i>	5.33	
			<i>For Aluminum Coated, Add</i>	8.33	
			<i>For Schedule 20, Deduct</i>	-1.33	
			<i>For Schedule 80, Add</i>	3.64	
32 31 13	13-0084	LF	2-1/2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	10.25	1.82
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.67	
			<i>For Vinyl Coated, Add</i>	4.00	
			<i>For Powder Coated, Add</i>	5.33	
			<i>For Aluminum Coated, Add</i>	8.33	
			<i>For Schedule 20, Deduct</i>	-1.33	
			<i>For Schedule 80, Add</i>	3.56	
32 31 13	13-0085	LF	2-1/2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	9.53	1.43
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.67	
			<i>For Vinyl Coated, Add</i>	4.00	
			<i>For Powder Coated, Add</i>	5.33	
			<i>For Aluminum Coated, Add</i>	8.33	
			<i>For Schedule 20, Deduct</i>	-1.33	
			<i>For Schedule 80, Add</i>	3.48	
32 31 13	13-0086	LF	2-1/2" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	9.05	1.25
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.67	
			<i>For Vinyl Coated, Add</i>	4.00	
			<i>For Powder Coated, Add</i>	5.33	
			<i>For Aluminum Coated, Add</i>	8.33	
			<i>For Schedule 20, Deduct</i>	-1.33	
			<i>For Schedule 80, Add</i>	3.44	
32 31 13	13-0087	LF	2-1/2" Outside Diameter Galvanized Steel Post, >24' In Length.....	8.60	0.95
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.67	
			<i>For Vinyl Coated, Add</i>	4.00	
			<i>For Powder Coated, Add</i>	5.33	
			<i>For Aluminum Coated, Add</i>	8.33	
			<i>For Schedule 20, Deduct</i>	-1.33	
			<i>For Schedule 80, Add</i>	3.39	
32 31 13	13-0088		Post Without Top Rail Fitting, Galvanized Steel (2.875" Nominal) <small>(32 31 13 13-0059)</small>		
			Note: 3" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13	13-0089	LF	3" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	15.69	2.87
			<i>For Each Top Rail Fitting, Add</i>	1.85	
			<i>For Each Single Barbed Wire Arm, Add</i>	3.85	
			<i>For Each Double Barbed Wire Arm, Add</i>	7.05	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.49	
			<i>For Vinyl Coated, Add</i>	5.97	
			<i>For Powder Coated, Add</i>	7.96	
			<i>For Aluminum Coated, Add</i>	12.44	
			<i>For Schedule 20, Deduct</i>	-1.99	
			<i>For Schedule 80, Add</i>	5.35	
32 31 13	13-0090	LF	3" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	14.90	2.49
			<i>For Each Top Rail Fitting, Add</i>	1.85	
			<i>For Each Single Barbed Wire Arm, Add</i>	3.85	
			<i>For Each Double Barbed Wire Arm, Add</i>	7.05	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.49	
			<i>For Vinyl Coated, Add</i>	5.97	
			<i>For Powder Coated, Add</i>	7.96	
			<i>For Aluminum Coated, Add</i>	12.44	
			<i>For Schedule 20, Deduct</i>	-1.99	
			<i>For Schedule 80, Add</i>	5.27	
32 31 13	13-0091	LF	3" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	13.94	2.01
			<i>For Each Top Rail Fitting, Add</i>	1.85	
			<i>For Each Single Barbed Wire Arm, Add</i>	3.85	
			<i>For Each Double Barbed Wire Arm, Add</i>	7.05	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.49	
			<i>For Vinyl Coated, Add</i>	5.97	
			<i>For Powder Coated, Add</i>	7.96	
			<i>For Aluminum Coated, Add</i>	12.44	
			<i>For Schedule 20, Deduct</i>	-1.99	
			<i>For Schedule 80, Add</i>	5.18	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0092	LF		3" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	13.14	1.62
			<i>For Each Top Rail Fitting, Add</i>	1.85	
			<i>For Each Single Barbed Wire Arm, Add</i>	3.85	
			<i>For Each Double Barbed Wire Arm, Add</i>	7.05	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.49	
			<i>For Vinyl Coated, Add</i>	5.97	
			<i>For Powder Coated, Add</i>	7.96	
			<i>For Aluminum Coated, Add</i>	12.44	
			<i>For Schedule 20, Deduct</i>	-1.99	
			<i>For Schedule 80, Add</i>	5.10	
32 31 13 13-0093	LF		3" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	12.61	1.34
			<i>For Each Top Rail Fitting, Add</i>	1.85	
			<i>For Each Single Barbed Wire Arm, Add</i>	3.85	
			<i>For Each Double Barbed Wire Arm, Add</i>	7.05	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.49	
			<i>For Vinyl Coated, Add</i>	5.97	
			<i>For Powder Coated, Add</i>	7.96	
			<i>For Aluminum Coated, Add</i>	12.44	
			<i>For Schedule 20, Deduct</i>	-1.99	
			<i>For Schedule 80, Add</i>	5.04	
32 31 13 13-0094	LF		3" Outside Diameter Galvanized Steel Post, >24' In Length	12.11	1.05
			<i>For Each Top Rail Fitting, Add</i>	1.85	
			<i>For Each Single Barbed Wire Arm, Add</i>	3.85	
			<i>For Each Double Barbed Wire Arm, Add</i>	7.05	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.49	
			<i>For Vinyl Coated, Add</i>	5.97	
			<i>For Powder Coated, Add</i>	7.96	
			<i>For Aluminum Coated, Add</i>	12.44	
			<i>For Schedule 20, Deduct</i>	-1.99	
			<i>For Schedule 80, Add</i>	4.99	
32 31 13 13-0095			Post Without Top Rail Fitting, Galvanized Steel, (4" Nominal) <small>(32 31 13 13-0059)</small>		
			Note: 4" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0096	LF		4" Outside Diameter Galvanized Steel Post, Up To 6' In Length	22.22	3.07
			<i>For Each Top Rail Fitting, Add</i>	2.60	
			<i>For Each Single Barbed Wire Arm, Add</i>	5.10	
			<i>For Each Double Barbed Wire Arm, Add</i>	11.25	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	4.04	
			<i>For Vinyl Coated, Add</i>	9.70	
			<i>For Powder Coated, Add</i>	12.94	
			<i>For Aluminum Coated, Add</i>	20.21	
			<i>For Schedule 20, Deduct</i>	-3.23	
			<i>For Schedule 80, Add</i>	8.37	
32 31 13 13-0097	LF		4" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	21.21	2.49
			<i>For Each Top Rail Fitting, Add</i>	2.60	
			<i>For Each Single Barbed Wire Arm, Add</i>	5.10	
			<i>For Each Double Barbed Wire Arm, Add</i>	11.25	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	4.04	
			<i>For Vinyl Coated, Add</i>	9.70	
			<i>For Powder Coated, Add</i>	12.94	
			<i>For Aluminum Coated, Add</i>	20.21	
			<i>For Schedule 20, Deduct</i>	-3.23	
			<i>For Schedule 80, Add</i>	8.27	
32 31 13 13-0098	LF		4" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	20.37	2.10
			<i>For Each Top Rail Fitting, Add</i>	2.60	
			<i>For Each Single Barbed Wire Arm, Add</i>	5.10	
			<i>For Each Double Barbed Wire Arm, Add</i>	11.25	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	4.04	
			<i>For Vinyl Coated, Add</i>	9.70	
			<i>For Powder Coated, Add</i>	12.94	
			<i>For Aluminum Coated, Add</i>	20.21	
			<i>For Schedule 20, Deduct</i>	-3.23	
			<i>For Schedule 80, Add</i>	8.18	
32 31 13 13-0099	LF		4" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	19.53	1.72
			<i>For Each Top Rail Fitting, Add</i>	2.60	
			<i>For Each Single Barbed Wire Arm, Add</i>	5.10	
			<i>For Each Double Barbed Wire Arm, Add</i>	11.25	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	4.04	
			<i>For Vinyl Coated, Add</i>	9.70	
			<i>For Powder Coated, Add</i>	12.94	
			<i>For Aluminum Coated, Add</i>	20.21	
			<i>For Schedule 20, Deduct</i>	-3.23	
			<i>For Schedule 80, Add</i>	8.10	
32 31 13 13-0100	LF		4" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	19.52	1.72
			<i>For Each Top Rail Fitting, Add</i>	2.60	
			<i>For Each Single Barbed Wire Arm, Add</i>	5.10	
			<i>For Each Double Barbed Wire Arm, Add</i>	11.25	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	4.04	
			<i>For Vinyl Coated, Add</i>	9.70	
			<i>For Powder Coated, Add</i>	12.94	
			<i>For Aluminum Coated, Add</i>	20.21	
			<i>For Schedule 20, Deduct</i>	-3.23	
			<i>For Schedule 80, Add</i>	8.10	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0101 LF 4" Outside Diameter Galvanized Steel Post, >24' In Length.....	18.56	1.25
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	4.04	
For Vinyl Coated, Add	9.70	
For Powder Coated, Add	12.94	
For Aluminum Coated, Add	20.21	
For Schedule 20, Deduct	-3.23	
For Schedule 80, Add	8.00	
32 31 13 13-0102 Post Without Top Rail Fitting, Galvanized Steel (6.625" Nominal) (32 31 13 13-0059)		
Note: 6-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0103 LF 6-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	41.01	3.35
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	8.58	
For Vinyl Coated, Add	20.58	
For Powder Coated, Add	27.44	
For Aluminum Coated, Add	42.88	
For Schedule 20, Deduct	-6.86	
For Schedule 80, Add	17.14	
32 31 13 13-0104 LF 6-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	39.93	2.77
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	8.58	
For Vinyl Coated, Add	20.58	
For Powder Coated, Add	27.44	
For Aluminum Coated, Add	42.88	
For Schedule 20, Deduct	-6.86	
For Schedule 80, Add	17.03	
32 31 13 13-0105 LF 6-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	38.97	2.30
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	8.58	
For Vinyl Coated, Add	20.58	
For Powder Coated, Add	27.44	
For Aluminum Coated, Add	42.88	
For Schedule 20, Deduct	-6.86	
For Schedule 80, Add	16.93	
32 31 13 13-0106 LF 6-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	38.02	1.82
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	8.58	
For Vinyl Coated, Add	20.58	
For Powder Coated, Add	27.44	
For Aluminum Coated, Add	42.88	
For Schedule 20, Deduct	-6.86	
For Schedule 80, Add	16.84	
32 31 13 13-0107 LF 6-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	37.49	1.62
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	8.58	
For Vinyl Coated, Add	20.58	
For Powder Coated, Add	27.44	
For Aluminum Coated, Add	42.88	
For Schedule 20, Deduct	-6.86	
For Schedule 80, Add	16.78	
32 31 13 13-0108 LF 6-5/8" Outside Diameter Galvanized Steel Post, >24' In Length.....	36.96	1.34
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	8.58	
For Vinyl Coated, Add	20.58	
For Powder Coated, Add	27.44	
For Aluminum Coated, Add	42.88	
For Schedule 20, Deduct	-6.86	
For Schedule 80, Add	16.73	
32 31 13 13-0109 Post Without Top Rail Fitting, Galvanized Steel (8.625" Nominal) (32 31 13 13-0059)		
Note: 8-5/8" outside diameter, Schedule 40. Includes cap and accessories.		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0110	LF	8-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length	77.74	3.74
			<i>For Each Top Rail Fitting, Add</i>	7.50	
			<i>For Each Single Barbed Wire Arm, Add</i>	9.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	18.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	17.57	
			<i>For Vinyl Coated, Add</i>	42.17	
			<i>For Powder Coated, Add</i>	56.22	
			<i>For Aluminum Coated, Add</i>	87.85	
			<i>For Schedule 20, Deduct</i>	-14.06	
			<i>For Schedule 80, Add</i>	34.48	
32 31	13 13-0111	LF	8-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	76.52	3.16
			<i>For Each Top Rail Fitting, Add</i>	7.50	
			<i>For Each Single Barbed Wire Arm, Add</i>	9.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	18.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	17.57	
			<i>For Vinyl Coated, Add</i>	42.17	
			<i>For Powder Coated, Add</i>	56.22	
			<i>For Aluminum Coated, Add</i>	87.85	
			<i>For Schedule 20, Deduct</i>	-14.06	
			<i>For Schedule 80, Add</i>	34.36	
32 31	13 13-0112	LF	8-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	75.45	2.59
			<i>For Each Top Rail Fitting, Add</i>	7.50	
			<i>For Each Single Barbed Wire Arm, Add</i>	9.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	18.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	17.57	
			<i>For Vinyl Coated, Add</i>	42.17	
			<i>For Powder Coated, Add</i>	56.22	
			<i>For Aluminum Coated, Add</i>	87.85	
			<i>For Schedule 20, Deduct</i>	-14.06	
			<i>For Schedule 80, Add</i>	34.25	
32 31	13 13-0113	LF	8-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	74.38	2.01
			<i>For Each Top Rail Fitting, Add</i>	7.50	
			<i>For Each Single Barbed Wire Arm, Add</i>	9.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	18.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	17.57	
			<i>For Vinyl Coated, Add</i>	42.17	
			<i>For Powder Coated, Add</i>	56.22	
			<i>For Aluminum Coated, Add</i>	87.85	
			<i>For Schedule 20, Deduct</i>	-14.06	
			<i>For Schedule 80, Add</i>	34.14	
32 31	13 13-0114	LF	8-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	73.83	1.72
			<i>For Each Top Rail Fitting, Add</i>	7.50	
			<i>For Each Single Barbed Wire Arm, Add</i>	9.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	18.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	17.57	
			<i>For Vinyl Coated, Add</i>	42.17	
			<i>For Powder Coated, Add</i>	56.22	
			<i>For Aluminum Coated, Add</i>	87.85	
			<i>For Schedule 20, Deduct</i>	-14.06	
			<i>For Schedule 80, Add</i>	34.09	
32 31	13 13-0115	LF	8-5/8" Outside Diameter Galvanized Steel Post, >24' In Length	73.24	1.43
			<i>For Each Top Rail Fitting, Add</i>	7.50	
			<i>For Each Single Barbed Wire Arm, Add</i>	9.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	18.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	17.57	
			<i>For Vinyl Coated, Add</i>	42.17	
			<i>For Powder Coated, Add</i>	56.22	
			<i>For Aluminum Coated, Add</i>	87.85	
			<i>For Schedule 20, Deduct</i>	-14.06	
			<i>For Schedule 80, Add</i>	34.03	
32 31	13 13-0116		Driven Post Supports <small>(32 31 13 13)</small>		
			Note: OZ-Post.		
32 31	13 13-0117		Driven Post Support For Round Chain Link Fence Posts <small>(32 31 13 13-0116)</small>		
32 31	13 13-0118	EA	26" Driven Post Support For 1-5/8" Round Chain Link Fence Post	54.79	
			Note: OZ-Post GB-700.		
32 31	13 13-0119	EA	26" Driven Post Support For 1-7/8" Round Chain Link Fence Post	54.79	
			Note: OZ-Post HB-700.		
32 31	13 13-0120	EA	26" Driven Post Support For 2-3/8" Round Chain Link Fence Post	56.03	
			Note: OZ-Post IS-600.		
32 31	13 13-0121	EA	32" Driven Post Support For 2-3/8" Round Chain Link Fence Post	67.63	
			Note: OZ-Post ISW-850.		
32 31	13 13-0122		Driven Post Support For Square Ornamental Fence Posts <small>(32 31 13 13-0116)</small>		
32 31	13 13-0123	EA	34" Driven Post Support For 1-3/4" Square Ornamental Fence Post	63.92	
			Note: OZ-Post C175-850.		
32 31	13 13-0124	EA	24" Driven Post Support For 2" Square Ornamental Fence Post	62.06	
			Note: OZ-Post I2-600.		
32 31	13 13-0125	EA	34" Driven Post Support For 2" Square Ornamental Fence Post	64.29	
			Note: OZ-Post I2-850.		
32 31	13 13-0126	EA	34" Driven Post Support For 2-1/2" Square Ornamental Fence Post	67.63	
			Note: OZ-Post I25-850.		



Exterior Improvements	32	32
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0127 EA 34" Driven Post Support For 3" Square Ornamental Fence Post..... Note: OZ-Post I3-850.	67.63	
32 31 13 13-0128 Driven Post Support For Wooden Fence Posts (32 31 13 13-0116)		
32 31 13 13-0129 EA 24" Driven Post Support For 3-1/2" Square Wooden Fence Post..... Note: OZ-Post T4-600.	61.38	
32 31 13 13-0130 EA 34" Driven Post Support For 3-1/2" Square Wooden Fence Post..... Note: OZ-Post T4-850.	65.77	
32 31 13 13-0131 EA 34" Driven Post Support For 3-3/4" Square Wooden Fence Post..... Note: OZ-Post C4-850.	70.10	
32 31 13 13-0132 EA 34" Driven Post Support For 4" Square Wooden Fence Post..... Note: OZ-Post P4-850.	70.10	
32 31 13 13-0133 EA 36" Driven Post Support For 4" x 6" Wooden Fence Post Note: OZ-Post T46-850.	78.14	
32 31 13 13-0134 EA 36" Driven Post Support For 6" Square Wooden Fence Post..... Note: OZ-Post T6-850.	83.82	
32 31 13 13-0135 Driven Post Support For Vinyl Fence Posts (32 31 13 13-0116)		
32 31 13 13-0136 EA 24" Driven Post Support For 3-1/2" Square Vinyl Fence Post Note: OZ-Post T4-600.	61.38	
32 31 13 13-0137 EA 34" Driven Post Support For 3-1/2" Square Vinyl Fence Post Note: OZ-Post T4-850.	65.77	
32 31 13 13-0138 EA 34" Driven Post Support For 4" Square Vinyl Fence Post..... Note: OZ-Post P4-850.	70.10	
32 31 13 13-0139 EA 34" Driven Post Support For 5" Square Vinyl Fence Post..... Note: OZ-Post P4-850.	71.09	
32 31 13 13-0140 Chain Link Fence Assemblies (32 31 13 13)		
32 31 13 13-0141 Chain Link Fence Assembly With 2-1/2" Line Post And 3" Corner Posts (32 31 13 13-0140)		
Note: Includes 2" 9 gauge coiled spring mesh (knuckled selvedge), tension bars, post tension bands, wire ties, truss rod (at corners or posts), 1-5/8" top rail, 1-5/8" bottom rail, 2-1/2" line post and 3" corner posts. Posts exclude drilling or augering in soil or rock, concrete or soil fill. Heights indicated are from ground to top of installed pole. Minimum 2' bury with up to one third of exposed post height to be buried in ground. Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0695 for barb wire attachments.		
32 31 13 13-0142 Galvanized (32 31 13 13-0141)		
32 31 13 13-0143 LF 3' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	25.63	3.25
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>		
<i>For 13 Gauge Fabric, Deduct</i>		
<i>For 11 Gauge Fabric, Deduct</i>		
<i>For 6 Gauge Fabric, Add</i>		
<i>For 1" Mesh Fabric, Add</i>		
<i>For 1-3/4" Mesh Fabric, Add</i>		
<i>For 2-1/8" Mesh Fabric, Deduct</i>		
<i>For 2-3/8" Mesh Fabric, Deduct</i>		
<i>For Posts 8' On Centers, Add</i>		
<i>For Posts 5' On Centers, Add</i>		
<i>For Up To 100, Add</i>		
<i>For >100 To 250, Add</i>		
<i>For >2,500 To 5,000, Deduct</i>		
<i>For >5,000, Deduct</i>		
32 31 13 13-0144 LF 3'-6" Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	26.56	3.25
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>		
<i>For 13 Gauge Fabric, Deduct</i>		
<i>For 11 Gauge Fabric, Deduct</i>		
<i>For 6 Gauge Fabric, Add</i>		
<i>For 1" Mesh Fabric, Add</i>		
<i>For 1-3/4" Mesh Fabric, Add</i>		
<i>For 2-1/8" Mesh Fabric, Deduct</i>		
<i>For 2-3/8" Mesh Fabric, Deduct</i>		
<i>For Posts 8' On Centers, Add</i>		
<i>For Posts 5' On Centers, Add</i>		
<i>For Up To 100, Add</i>		
<i>For >100 To 250, Add</i>		
<i>For >2,500 To 5,000, Deduct</i>		
<i>For >5,000, Deduct</i>		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0145	LF		4' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	27.38	3.25
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.03	
			<i>For 13 Gauge Fabric, Deduct</i>	-4.94	
			<i>For 11 Gauge Fabric, Deduct</i>	-2.89	
			<i>For 6 Gauge Fabric, Add</i>	4.54	
			<i>For 1" Mesh Fabric, Add</i>	6.19	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.48	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.24	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.65	
			<i>For Posts 8' On Centers, Add</i>	1.53	
			<i>For Posts 5' On Centers, Add</i>	5.78	
			<i>For Up To 100, Add</i>	5.42	
			<i>For >100 To 250, Add</i>	2.03	
			<i>For >2,500 To 5,000, Deduct</i>	-1.01	
			<i>For >5,000, Deduct</i>	-2.03	
32 31 13 13-0146	LF		5' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	29.27	3.25
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.14	
			<i>For 13 Gauge Fabric, Deduct</i>	-5.46	
			<i>For 11 Gauge Fabric, Deduct</i>	-3.19	
			<i>For 6 Gauge Fabric, Add</i>	5.01	
			<i>For 1" Mesh Fabric, Add</i>	6.83	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.73	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.37	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.82	
			<i>For Posts 8' On Centers, Add</i>	1.63	
			<i>For Posts 5' On Centers, Add</i>	6.15	
			<i>For Up To 100, Add</i>	5.75	
			<i>For >100 To 250, Add</i>	2.14	
			<i>For >2,500 To 5,000, Deduct</i>	-1.07	
			<i>For >5,000, Deduct</i>	-2.14	
32 31 13 13-0147	LF		6' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	31.63	3.25
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.30	
			<i>For 13 Gauge Fabric, Deduct</i>	-5.97	
			<i>For 11 Gauge Fabric, Deduct</i>	-3.49	
			<i>For 6 Gauge Fabric, Add</i>	5.48	
			<i>For 1" Mesh Fabric, Add</i>	7.47	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.99	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.49	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.99	
			<i>For Posts 8' On Centers, Add</i>	1.75	
			<i>For Posts 5' On Centers, Add</i>	6.63	
			<i>For Up To 100, Add</i>	6.19	
			<i>For >100 To 250, Add</i>	2.30	
			<i>For >2,500 To 5,000, Deduct</i>	-1.15	
			<i>For >5,000, Deduct</i>	-2.30	
32 31 13 13-0148	LF		7' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	32.86	4.88
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.39	
			<i>For 13 Gauge Fabric, Deduct</i>	-6.21	
			<i>For 11 Gauge Fabric, Deduct</i>	-3.63	
			<i>For 6 Gauge Fabric, Add</i>	5.70	
			<i>For 1" Mesh Fabric, Add</i>	7.77	
			<i>For 1-3/4" Mesh Fabric, Add</i>	3.11	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.55	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.07	
			<i>For Posts 8' On Centers, Add</i>	1.82	
			<i>For Posts 5' On Centers, Add</i>	6.89	
			<i>For Up To 100, Add</i>	6.43	
			<i>For >100 To 250, Add</i>	2.39	
			<i>For >2,500 To 5,000, Deduct</i>	-1.20	
			<i>For >5,000, Deduct</i>	-2.39	
32 31 13 13-0149	LF		8' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	36.91	5.70
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.64	
			<i>For 13 Gauge Fabric, Deduct</i>	-7.28	
			<i>For 11 Gauge Fabric, Deduct</i>	-4.25	
			<i>For 6 Gauge Fabric, Add</i>	6.68	
			<i>For 1" Mesh Fabric, Add</i>	9.11	
			<i>For 1-3/4" Mesh Fabric, Add</i>	3.64	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.82	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.43	
			<i>For Posts 8' On Centers, Add</i>	2.04	
			<i>For Posts 5' On Centers, Add</i>	7.68	
			<i>For Up To 100, Add</i>	7.13	
			<i>For >100 To 250, Add</i>	2.64	
			<i>For >2,500 To 5,000, Deduct</i>	-1.32	
			<i>For >5,000, Deduct</i>	-2.64	



Exterior Improvements	32	32
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0150 LF 9' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	39.28	7.32
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.80	
<i>For 13 Gauge Fabric, Deduct</i>	-7.84	
<i>For 11 Gauge Fabric, Deduct</i>	-4.58	
<i>For 6 Gauge Fabric, Add</i>	7.19	
<i>For 1" Mesh Fabric, Add</i>	9.81	
<i>For 1-3/4" Mesh Fabric, Add</i>	3.92	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.96	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.62	
<i>For Posts 8' On Centers, Add</i>	2.16	
<i>For Posts 5' On Centers, Add</i>	8.16	
<i>For Up To 100, Add</i>	7.57	
<i>For >100 To 250, Add</i>	2.80	
<i>For >2,500 To 5,000, Deduct</i>	-1.40	
<i>For >5,000, Deduct</i>	-2.80	
32 31 13 13-0151 LF 10' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	41.66	8.13
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.96	
<i>For 13 Gauge Fabric, Deduct</i>	-8.40	
<i>For 11 Gauge Fabric, Deduct</i>	-4.91	
<i>For 6 Gauge Fabric, Add</i>	7.71	
<i>For 1" Mesh Fabric, Add</i>	10.51	
<i>For 1-3/4" Mesh Fabric, Add</i>	4.21	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.10	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.80	
<i>For Posts 8' On Centers, Add</i>	2.29	
<i>For Posts 5' On Centers, Add</i>	8.64	
<i>For Up To 100, Add</i>	8.00	
<i>For >100 To 250, Add</i>	2.96	
<i>For >2,500 To 5,000, Deduct</i>	-1.48	
<i>For >5,000, Deduct</i>	-2.96	
32 31 13 13-0152 LF 12' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	46.12	9.76
<i>For Each Additional Foot >12, Add</i>	3.65	
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.25	
<i>For 13 Gauge Fabric, Deduct</i>	-9.44	
<i>For 11 Gauge Fabric, Deduct</i>	-5.52	
<i>For 6 Gauge Fabric, Add</i>	8.67	
<i>For 1" Mesh Fabric, Add</i>	11.82	
<i>For 1-3/4" Mesh Fabric, Add</i>	4.73	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.36	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.15	
<i>For Posts 8' On Centers, Add</i>	2.53	
<i>For Posts 5' On Centers, Add</i>	9.53	
<i>For Up To 100, Add</i>	8.81	
<i>For >100 To 250, Add</i>	3.25	
<i>For >2,500 To 5,000, Deduct</i>	-1.63	
<i>For >5,000, Deduct</i>	-3.25	
32 31 13 13-0153 Vinyl Coated <small>(32 31 13 13-0141)</small>		
32 31 13 13-0154 LF 4' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	28.24	3.25
<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	2.26	
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.07	
<i>For 13 Gauge Fabric, Deduct</i>	-5.24	
<i>For 11 Gauge Fabric, Deduct</i>	-3.06	
<i>For 6 Gauge Fabric, Add</i>	4.81	
<i>For 1" Mesh Fabric, Add</i>	6.56	
<i>For 1-3/4" Mesh Fabric, Add</i>	2.63	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.31	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.75	
<i>For Posts 8' On Centers, Add</i>	1.57	
<i>For Posts 5' On Centers, Add</i>	5.94	
<i>For Up To 100, Add</i>	5.55	
<i>For >100 To 250, Add</i>	2.07	
<i>For >2,500 To 5,000, Deduct</i>	-1.03	
<i>For >5,000, Deduct</i>	-2.07	
32 31 13 13-0155 LF 5' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	30.36	3.25
<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	2.52	
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.20	
<i>For 13 Gauge Fabric, Deduct</i>	-5.83	
<i>For 11 Gauge Fabric, Deduct</i>	-3.41	
<i>For 6 Gauge Fabric, Add</i>	5.36	
<i>For 1" Mesh Fabric, Add</i>	7.30	
<i>For 1-3/4" Mesh Fabric, Add</i>	2.92	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.46	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.95	
<i>For Posts 8' On Centers, Add</i>	1.68	
<i>For Posts 5' On Centers, Add</i>	6.35	
<i>For Up To 100, Add</i>	5.91	
<i>For >100 To 250, Add</i>	2.20	
<i>For >2,500 To 5,000, Deduct</i>	-1.10	
<i>For >5,000, Deduct</i>	-2.20	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0156	LF	6' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	33.85	3.25
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	2.91	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.42	
			<i>For 13 Gauge Fabric, Deduct</i>	-6.74	
			<i>For 11 Gauge Fabric, Deduct</i>	-3.94	
			<i>For 6 Gauge Fabric, Add</i>	6.19	
			<i>For 1" Mesh Fabric, Add</i>	8.44	
			<i>For 1-3/4" Mesh Fabric, Add</i>	3.38	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.69	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.25	
			<i>For Posts 8' On Centers, Add</i>	1.87	
			<i>For Posts 5' On Centers, Add</i>	7.03	
			<i>For Up To 100, Add</i>	6.52	
			<i>For >100 To 250, Add</i>	2.42	
			<i>For >2,500 To 5,000, Deduct</i>	-1.21	
			<i>For >5,000, Deduct</i>	-2.42	
32 31	13 13-0157	LF	7' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	35.43	4.88
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	3.06	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.52	
			<i>For 13 Gauge Fabric, Deduct</i>	-7.10	
			<i>For 11 Gauge Fabric, Deduct</i>	-4.15	
			<i>For 6 Gauge Fabric, Add</i>	6.52	
			<i>For 1" Mesh Fabric, Add</i>	8.89	
			<i>For 1-3/4" Mesh Fabric, Add</i>	3.55	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.78	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.37	
			<i>For Posts 8' On Centers, Add</i>	1.95	
			<i>For Posts 5' On Centers, Add</i>	7.35	
			<i>For Up To 100, Add</i>	6.81	
			<i>For >100 To 250, Add</i>	2.52	
			<i>For >2,500 To 5,000, Deduct</i>	-1.26	
			<i>For >5,000, Deduct</i>	-2.52	
32 31	13 13-0158	LF	8' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	39.91	5.70
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	3.59	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.79	
			<i>For 13 Gauge Fabric, Deduct</i>	-8.32	
			<i>For 11 Gauge Fabric, Deduct</i>	-4.86	
			<i>For 6 Gauge Fabric, Add</i>	7.64	
			<i>For 1" Mesh Fabric, Add</i>	10.41	
			<i>For 1-3/4" Mesh Fabric, Add</i>	4.17	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.08	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.78	
			<i>For Posts 8' On Centers, Add</i>	2.19	
			<i>For Posts 5' On Centers, Add</i>	8.22	
			<i>For Up To 100, Add</i>	7.58	
			<i>For >100 To 250, Add</i>	2.79	
			<i>For >2,500 To 5,000, Deduct</i>	-1.40	
			<i>For >5,000, Deduct</i>	-2.79	
32 31	13 13-0159	LF	9' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	42.51	7.32
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	3.87	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.96	
			<i>For 13 Gauge Fabric, Deduct</i>	-8.96	
			<i>For 11 Gauge Fabric, Deduct</i>	-5.23	
			<i>For 6 Gauge Fabric, Add</i>	8.22	
			<i>For 1" Mesh Fabric, Add</i>	11.21	
			<i>For 1-3/4" Mesh Fabric, Add</i>	4.49	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.24	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.99	
			<i>For Posts 8' On Centers, Add</i>	2.33	
			<i>For Posts 5' On Centers, Add</i>	8.74	
			<i>For Up To 100, Add</i>	8.05	
			<i>For >100 To 250, Add</i>	2.96	
			<i>For >2,500 To 5,000, Deduct</i>	-1.48	
			<i>For >5,000, Deduct</i>	-2.96	
32 31	13 13-0160	LF	10' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	45.10	8.13
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	4.14	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.13	
			<i>For 13 Gauge Fabric, Deduct</i>	-9.59	
			<i>For 11 Gauge Fabric, Deduct</i>	-5.60	
			<i>For 6 Gauge Fabric, Add</i>	8.81	
			<i>For 1" Mesh Fabric, Add</i>	12.01	
			<i>For 1-3/4" Mesh Fabric, Add</i>	4.80	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.40	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.20	
			<i>For Posts 8' On Centers, Add</i>	2.46	
			<i>For Posts 5' On Centers, Add</i>	9.25	
			<i>For Up To 100, Add</i>	8.51	
			<i>For >100 To 250, Add</i>	3.13	
			<i>For >2,500 To 5,000, Deduct</i>	-1.56	
			<i>For >5,000, Deduct</i>	-3.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0161 LF 12' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	49.15	9.76
<i>For Each Additional Foot >12, Add</i>	3.90	
<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	4.53	
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.41	
<i>For 13 Gauge Fabric, Deduct</i>	-10.49	
<i>For 11 Gauge Fabric, Deduct</i>	-6.13	
<i>For 6 Gauge Fabric, Add</i>	9.63	
<i>For 1" Mesh Fabric, Add</i>	13.14	
<i>For 1-3/4" Mesh Fabric, Add</i>	5.25	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.63	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.50	
<i>For Posts 8' On Centers, Add</i>	2.68	
<i>For Posts 5' On Centers, Add</i>	10.08	
<i>For Up To 100, Add</i>	9.27	
<i>For >100 To 250, Add</i>	3.41	
<i>For >2,500 To 5,000, Deduct</i>	-1.70	
<i>For >5,000, Deduct</i>	-3.41	
32 31 13 13-0162 Rails <small>(32 31 13 13)</small>		
Note: Includes rail end fittings.		
32 31 13 13-0163 SS-20 Chain Link Fence Rails <small>(32 31 13 13-0162)</small>		
Note: Includes tie wires.		
32 31 13 13-0164 LF 1-3/8" Galvanized Steel Rail, 0.08" Wall Thickness, Tie Wires And Fittings.....	4.61	1.05
<i>For SS15, Deduct</i>	-0.24	
<i>For SS40, Add</i>	0.60	
32 31 13 13-0165 LF 1-3/8" Vinyl Coated Rail, 0.08" Wall Thickness, Tie Wires And Fittings.....	5.43	1.05
<i>For SS40, Add</i>	0.32	
<i>For Powder Coated, Add</i>	0.65	
<i>For Aluminum Coated, Add</i>	1.29	
32 31 13 13-0166 LF 1-5/8" Galvanized Steel Rail, 0.085" Wall Thickness, Tie Wires And Fittings.....	5.61	1.19
<i>For SS15, Deduct</i>	-0.32	
<i>For SS40, Add</i>	0.81	
32 31 13 13-0167 LF 1-5/8" Vinyl Coated Rail, 0.085" Wall Thickness, Tie Wires And Fittings.....	6.69	1.19
<i>For SS40, Add</i>	0.43	
<i>For Powder Coated, Add</i>	0.86	
<i>For Aluminum Coated, Add</i>	1.72	
32 31 13 13-0168 LF 2" Galvanized Steel Rail, 0.09" Wall Thickness, Tie Wires And Fittings.....	6.54	1.34
<i>For SS40, Add</i>	0.97	
32 31 13 13-0169 LF 2" Vinyl Coated Rail, 0.09" Wall Thickness, Tie Wires And Fittings.....	7.85	1.34
<i>For SS40, Add</i>	0.52	
<i>For Powder Coated, Add</i>	1.03	
<i>For Aluminum Coated, Add</i>	2.07	
32 31 13 13-0170 Fabric <small>(32 31 13 13)</small>		
32 31 13 13-0171 Fabric, Galvanized Chain Link <small>(32 31 13 13-0170)</small>		
32 31 13 13-0172 LF 3' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	8.35	1.92
<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	0.53	
<i>For 13 Gauge Fabric, Deduct</i>	-0.96	
<i>For 11 Gauge Fabric, Deduct</i>	-0.53	
<i>For 6 Gauge Fabric, Add</i>	1.70	
<i>For 1" Mesh Fabric, Add</i>	1.60	
<i>For 1-3/4" Mesh Fabric, Add</i>	0.64	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.32	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-0.43	
32 31 13 13-0173 LF 3'-6" Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	9.18	2.16
<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	0.62	
<i>For 13 Gauge Fabric, Deduct</i>	-1.12	
<i>For 11 Gauge Fabric, Deduct</i>	-0.62	
<i>For 6 Gauge Fabric, Add</i>	1.99	
<i>For 1" Mesh Fabric, Add</i>	1.87	
<i>For 1-3/4" Mesh Fabric, Add</i>	0.75	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.37	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-0.50	
32 31 13 13-0174 LF 4' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	9.91	2.39
<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	0.68	
<i>For 13 Gauge Fabric, Deduct</i>	-1.23	
<i>For 11 Gauge Fabric, Deduct</i>	-0.68	
<i>For 6 Gauge Fabric, Add</i>	2.18	
<i>For 1" Mesh Fabric, Add</i>	2.05	
<i>For 1-3/4" Mesh Fabric, Add</i>	0.82	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.41	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-0.55	
32 31 13 13-0175 LF 5' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	11.07	2.87
<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	0.85	
<i>For 13 Gauge Fabric, Deduct</i>	-1.53	
<i>For 11 Gauge Fabric, Deduct</i>	-0.85	
<i>For 6 Gauge Fabric, Add</i>	2.73	
<i>For 1" Mesh Fabric, Add</i>	2.56	
<i>For 1-3/4" Mesh Fabric, Add</i>	1.02	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.51	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-0.68	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0176 LF 6' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	12.30	3.35
For 2 Oz Galvanized Or Zinc Coating, Add	1.03	
For 13 Gauge Fabric, Deduct	-1.85	
For 11 Gauge Fabric, Deduct	-1.03	
For 6 Gauge Fabric, Add	3.28	
For 1" Mesh Fabric, Add	3.08	
For 1-3/4" Mesh Fabric, Add	1.23	
For 2-1/8" Mesh Fabric, Deduct	-0.62	
For 2-3/8" Mesh Fabric, Deduct	-0.82	
32 31 13 13-0177 LF 7' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	13.60	3.82
For 2 Oz Galvanized Or Zinc Coating, Add	1.19	
For 13 Gauge Fabric, Deduct	-2.15	
For 11 Gauge Fabric, Deduct	-1.19	
For 6 Gauge Fabric, Add	3.82	
For 1" Mesh Fabric, Add	3.58	
For 1-3/4" Mesh Fabric, Add	1.43	
For 2-1/8" Mesh Fabric, Deduct	-0.72	
For 2-3/8" Mesh Fabric, Deduct	-0.95	
32 31 13 13-0178 LF 8' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	15.02	4.79
For 2 Oz Galvanized Or Zinc Coating, Add	1.37	
For 13 Gauge Fabric, Deduct	-2.46	
For 11 Gauge Fabric, Deduct	-1.37	
For 6 Gauge Fabric, Add	4.37	
For 1" Mesh Fabric, Add	4.10	
For 1-3/4" Mesh Fabric, Add	1.64	
For 2-1/8" Mesh Fabric, Deduct	-0.82	
For 2-3/8" Mesh Fabric, Deduct	-1.09	
32 31 13 13-0179 LF 10' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	17.65	5.26
For 2 Oz Galvanized Or Zinc Coating, Add	1.77	
For 13 Gauge Fabric, Deduct	-3.19	
For 11 Gauge Fabric, Deduct	-1.77	
For 6 Gauge Fabric, Add	5.67	
For 1" Mesh Fabric, Add	5.32	
For 1-3/4" Mesh Fabric, Add	2.13	
For 2-1/8" Mesh Fabric, Deduct	-1.06	
For 2-3/8" Mesh Fabric, Deduct	-1.42	
32 31 13 13-0180 LF 12' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	19.97	5.74
For 2 Oz Galvanized Or Zinc Coating, Add	2.12	
For 13 Gauge Fabric, Deduct	-3.82	
For 11 Gauge Fabric, Deduct	-2.12	
For 6 Gauge Fabric, Add	6.79	
For 1" Mesh Fabric, Add	6.37	
For 1-3/4" Mesh Fabric, Add	2.55	
For 2-1/8" Mesh Fabric, Deduct	-1.27	
For 2-3/8" Mesh Fabric, Deduct	-1.70	
32 31 13 13-0181 LF 14' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	22.52	6.69
For 2 Oz Galvanized Or Zinc Coating, Add	2.28	
For 13 Gauge Fabric, Deduct	-4.10	
For 11 Gauge Fabric, Deduct	-2.28	
For 6 Gauge Fabric, Add	7.30	
For 1" Mesh Fabric, Add	6.84	
For 1-3/4" Mesh Fabric, Add	2.74	
For 2-1/8" Mesh Fabric, Deduct	-1.37	
For 2-3/8" Mesh Fabric, Deduct	-1.82	
32 31 13 13-0182 LF 16' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	25.06	7.66
For 2 Oz Galvanized Or Zinc Coating, Add	2.44	
For 13 Gauge Fabric, Deduct	-4.39	
For 11 Gauge Fabric, Deduct	-2.44	
For 6 Gauge Fabric, Add	7.80	
For 1" Mesh Fabric, Add	7.31	
For 1-3/4" Mesh Fabric, Add	2.93	
For 2-1/8" Mesh Fabric, Deduct	-1.46	
For 2-3/8" Mesh Fabric, Deduct	-1.95	
32 31 13 13-0183 Fabric, Vinyl Coated Chain Link (32 31 13 13-0170)		
32 31 13 13-0184 LF 4' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh.....	10.78	1.92
For 13 Gauge Fabric, Deduct	-1.62	
For 11 Gauge Fabric, Deduct	-0.90	
For 6 Gauge Fabric, Add	2.88	
For 1" Mesh Fabric, Add	2.70	
For 1-3/4" Mesh Fabric, Add	1.08	
For 2-1/8" Mesh Fabric, Deduct	-0.54	
For 2-3/8" Mesh Fabric, Deduct	-0.72	
For Aluminum Coated, Add	1.44	
32 31 13 13-0185 LF 5' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh.....	12.16	2.87
For 13 Gauge Fabric, Deduct	-2.03	
For 11 Gauge Fabric, Deduct	-1.13	
For 6 Gauge Fabric, Add	3.60	
For 1" Mesh Fabric, Add	3.38	
For 1-3/4" Mesh Fabric, Add	1.35	
For 2-1/8" Mesh Fabric, Deduct	-0.68	
For 2-3/8" Mesh Fabric, Deduct	-0.90	
For Aluminum Coated, Add	1.80	



Exterior Improvements	32	32
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0186	LF	6' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Aluminum Coated, Add</i>	14.51 -2.84 -1.58 5.05 4.73 1.89 -0.95 -1.26 2.52	3.35
32 31	13 13-0187	LF	7' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Aluminum Coated, Add</i>	16.18 -3.31 -1.84 5.88 5.51 2.21 -1.10 -1.47 2.94	3.82
32 31	13 13-0188	LF	8' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Aluminum Coated, Add</i>	18.02 -3.81 -2.12 6.77 6.35 2.54 -1.27 -1.69 3.38	4.79
32 31	13 13-0189	LF	10' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Aluminum Coated, Add</i>	21.09 -4.74 -2.63 8.42 7.90 3.16 -1.58 -2.11 4.21	5.26
32 31	13 13-0190	LF	12' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Aluminum Coated, Add</i>	23.00 -5.18 -2.88 9.22 8.64 3.46 -1.73 -2.30 4.61	5.74
32 31	13 13-0191	LF	14' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Aluminum Coated, Add</i>	26.08 -5.71 -3.17 10.14 9.51 3.80 -1.90 -2.54 5.07	6.69
32 31	13 13-0192	LF	16' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Aluminum Coated, Add</i>	29.20 -6.25 -3.47 11.11 10.42 4.17 -2.08 -2.78 5.56	7.66
32 31 13 13-0193 Fabric, Aluminized Steel Chain Link <small>(32 31 13 13-0170)</small>					
32 31	13 13-0194	LF	3' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	8.55 1.86 2.45	1.92
32 31	13 13-0195	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	9.40 2.17 2.85	2.16
32 31	13 13-0196	LF	4' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	10.28 2.48 3.26	2.39
32 31	13 13-0197	LF	5' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	11.53 3.10 4.06	2.87
32 31	13 13-0198	LF	6' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	12.83 3.70 4.86	3.35
32 31	13 13-0199	LF	7' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	14.24 4.33 5.68	3.82

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0200 LF 8' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	15.74 4.94 6.49	4.79
32 31 13 13-0201 LF 10' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	18.29 6.18 8.12	5.26
32 31 13 13-0202 LF 12' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	20.75 7.42 9.73	5.74
32 31 13 13-0203 Fabric, All Aluminum Chain Link <small>(32 31 13 13-0170)</small>		
32 31 13 13-0204 LF 3' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	12.31 4.87 6.39	1.92
32 31 13 13-0205 LF 3'-6" Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	13.80 5.69 7.47	2.16
32 31 13 13-0206 LF 4' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	15.30 6.50 8.53	2.39
32 31 13 13-0207 LF 5' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	17.81 8.12 10.66	2.87
32 31 13 13-0208 LF 6' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	20.38 9.74 12.79	3.35
32 31 13 13-0209 LF 7' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	23.04 11.37 14.92	3.82
32 31 13 13-0210 LF 8' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	25.80 12.99 17.05	4.79
32 31 13 13-0211 LF 10' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	30.86 16.24 21.32	5.26
32 31 13 13-0212 LF 12' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	35.84 19.49 25.58	5.74
32 31 13 13-0213 Fence Inserts <small>(32 31 13 13-0170)</small> Note: For use with new or existing chain link fence, per lf of fence.		
32 31 13 13-0214 Vinyl Plastic Fence Inserts <small>(32 31 13 13-0213)</small> Note: Assorted colors.		
32 31 13 13-0215 LF 3' High Fence, Vinyl Plastic Fence Insert.....	6.29	
32 31 13 13-0216 LF 3-1/2' High Fence, Vinyl Plastic Fence Insert.....	7.21	
32 31 13 13-0217 LF 4' High Fence, Vinyl Plastic Fence Insert.....	7.97	
32 31 13 13-0218 LF 5' High Fence, Vinyl Plastic Fence Insert.....	9.98	
32 31 13 13-0219 LF 6' High Fence, Vinyl Plastic Fence Insert.....	11.95	
32 31 13 13-0220 LF 7' High Fence, Vinyl Plastic Fence Insert.....	13.97	
32 31 13 13-0221 LF 8' High Fence, Vinyl Plastic Fence Insert.....	15.92	
32 31 13 13-0222 LF 10' High Fence, Vinyl Plastic Fence Insert.....	18.98	
32 31 13 13-0223 Aluminum Fence Inserts <small>(32 31 13 13-0213)</small> Note: Assorted colors.		
32 31 13 13-0224 LF 3' High Fence, Aluminum Fence Insert.....	18.37	
32 31 13 13-0225 LF 3-1/2' High Fence, Aluminum Fence Insert.....	20.21	
32 31 13 13-0226 LF 4' High Fence, Aluminum Fence Insert.....	23.24	
32 31 13 13-0227 LF 5' High Fence, Aluminum Fence Insert.....	29.10	
32 31 13 13-0228 LF 6' High Fence, Aluminum Fence Insert.....	34.90	
32 31 13 13-0229 LF 7' High Fence, Aluminum Fence Insert.....	38.24	
32 31 13 13-0230 LF 8' High Fence, Aluminum Fence Insert.....	46.51	
32 31 13 13-0231 LF 10' High Fence, Aluminum Fence Insert.....	57.44	
32 31 13 13-0232 Redwood Fence Inserts <small>(32 31 13 13-0213)</small>		
32 31 13 13-0233 LF 4' High Fence, Redwood Fence Insert.....	9.68	
32 31 13 13-0234 LF 5' High Fence, Redwood Fence Insert.....	12.27	
32 31 13 13-0235 LF 6' High Fence, Redwood Fence Insert.....	14.74	
32 31 13 13-0236 LF 7' High Fence, Redwood Fence Insert.....	17.16	
32 31 13 13-0237 LF 8' High Fence, Redwood Fence Insert.....	19.64	
32 31 13 13-0238 Diagonal Flexible Polyethylene Inserts <small>(32 31 13 13-0213)</small>		
32 31 13 13-0239 SF Diagonal Polyethylene Fence Weave.....	2.52	
32 31 13 13-0240 Hedge Link Fence Inserts <small>(32 31 13 13-0213)</small>		
32 31 13 13-0241 LF 3' High Fence, Hedge Link Fence Insert.....	12.88	
32 31 13 13-0242 LF 3-1/2' High Fence, Hedge Link Fence Insert.....	14.66	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0243	LF		4' High Fence, Hedge Link Fence Insert.....	17.33	
32 31 13 13-0244	LF		5' High Fence, Hedge Link Fence Insert.....	21.43	
32 31 13 13-0245	LF		6' High Fence, Hedge Link Fence Insert.....	24.64	
32 31 13 13-0246	LF		7' High Fence, Hedge Link Fence Insert.....	30.84	
32 31 13 13-0247	LF		8' High Fence, Hedge Link Fence Insert.....	35.04	
32 31 13 13-0248	LF		10' High Fence, Hedge Link Fence Insert.....	41.72	
32 31 13 13-0249	LF		12' High Fence, Hedge Link Fence Insert.....	47.83	
32 31 13 13-0250			Fence Windscreen Fabric (32 31 13 13-0170) Note: Includes plastic wire clips.		
32 31 13 13-0251	SF		Vinyl Coated Polyester Windscreen For Fence, 7 Oz Per SY.....	1.14	0.44
			For Sewn Boxed Vent (Each), Add	15.52	
			For Welded Boxed Vent (Each), Add	7.76	
			For 4' x 4' One Color Logo (Each), Add	323.30	
32 31 13 13-0252			Non-Climbable Fabric, Galvanized Chain Link (32 31 13 13-0170)		
32 31 13 13-0253	LF		3' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	19.95	1.92
			For 11 Gauge, Deduct	-2.75	
			For 10 Gauge, Deduct	-1.10	
			For 7 Gauge, Add	1.65	
			For 6 Gauge, Add	3.84	
			For 1/2" Mesh Fabric, Deduct	-0.69	
			For 5/8" Mesh Fabric, Deduct	-1.51	
			For 3/4" Mesh Fabric, Deduct	-2.20	
32 31 13 13-0254	LF		3'-6" Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	22.70	2.16
			For 11 Gauge, Deduct	-3.20	
			For 10 Gauge, Deduct	-1.28	
			For 7 Gauge, Add	1.92	
			For 6 Gauge, Add	4.48	
			For 1/2" Mesh Fabric, Deduct	-0.80	
			For 5/8" Mesh Fabric, Deduct	-1.76	
			For 3/4" Mesh Fabric, Deduct	-2.56	
32 31 13 13-0255	LF		4' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	25.50	2.39
			For 11 Gauge, Deduct	-3.66	
			For 10 Gauge, Deduct	-1.47	
			For 7 Gauge, Add	2.20	
			For 6 Gauge, Add	5.13	
			For 1/2" Mesh Fabric, Deduct	-0.92	
			For 5/8" Mesh Fabric, Deduct	-2.02	
			For 3/4" Mesh Fabric, Deduct	-2.93	
32 31 13 13-0256	LF		5' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	30.55	2.87
			For 11 Gauge, Deduct	-4.58	
			For 10 Gauge, Deduct	-1.83	
			For 7 Gauge, Add	2.75	
			For 6 Gauge, Add	6.41	
			For 1/2" Mesh Fabric, Deduct	-1.14	
			For 5/8" Mesh Fabric, Deduct	-2.52	
			For 3/4" Mesh Fabric, Deduct	-3.66	
32 31 13 13-0257	LF		6' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	35.65	3.35
			For 11 Gauge, Deduct	-5.49	
			For 10 Gauge, Deduct	-2.20	
			For 7 Gauge, Add	3.29	
			For 6 Gauge, Add	7.69	
			For 1/2" Mesh Fabric, Deduct	-1.37	
			For 5/8" Mesh Fabric, Deduct	-3.02	
			For 3/4" Mesh Fabric, Deduct	-4.39	
32 31 13 13-0258	LF		7' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	40.86	3.82
			For 11 Gauge, Deduct	-6.41	
			For 10 Gauge, Deduct	-2.56	
			For 7 Gauge, Add	3.84	
			For 6 Gauge, Add	8.97	
			For 1/2" Mesh Fabric, Deduct	-1.60	
			For 5/8" Mesh Fabric, Deduct	-3.52	
			For 3/4" Mesh Fabric, Deduct	-5.12	
32 31 13 13-0259	LF		8' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	46.17	4.79
			For 11 Gauge, Deduct	-7.32	
			For 10 Gauge, Deduct	-2.93	
			For 7 Gauge, Add	4.39	
			For 6 Gauge, Add	10.25	
			For 1/2" Mesh Fabric, Deduct	-1.83	
			For 5/8" Mesh Fabric, Deduct	-4.03	
			For 3/4" Mesh Fabric, Deduct	-5.86	
32 31 13 13-0260	LF		9' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	50.80	5.03
			For 11 Gauge, Deduct	-8.15	
			For 10 Gauge, Deduct	-3.26	
			For 7 Gauge, Add	4.89	
			For 6 Gauge, Add	11.41	
			For 1/2" Mesh Fabric, Deduct	-2.04	
			For 5/8" Mesh Fabric, Deduct	-4.48	
			For 3/4" Mesh Fabric, Deduct	-6.52	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0261 LF 10' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	55.45	5.26
For 11 Gauge, Deduct	-8.98	
For 10 Gauge, Deduct	-3.59	
For 7 Gauge, Add	5.39	
For 6 Gauge, Add	12.57	
For 1/2" Mesh Fabric, Deduct	-2.24	
For 5/8" Mesh Fabric, Deduct	-4.94	
For 3/4" Mesh Fabric, Deduct	-7.18	
32 31 13 13-0262 LF 12' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	60.14	5.74
For 11 Gauge, Deduct	-9.73	
For 10 Gauge, Deduct	-3.89	
For 7 Gauge, Add	5.84	
For 6 Gauge, Add	13.62	
For 1/2" Mesh Fabric, Deduct	-2.43	
For 5/8" Mesh Fabric, Deduct	-5.35	
For 3/4" Mesh Fabric, Deduct	-7.79	
32 31 13 13-0263 Gates <small>(32 31 13 13)</small>		
Note: Posts exclude drilling or augering in soil or rock. For barbed wire attached directly to posts and gates, select gates and posts sizes for full finished height of gate above grade (top rail to be at lower height, includes barb wire at top area where mesh would be). See CSI section 08 78 00 00-0001 for padlocks, 08 78 00 00-0002 for padlocks, 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 13 13-0264 Galvanized Steel Without Barbed Wire <small>(32 31 13 13-0263)</small>		
Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter for > 6' To 12' wide, 6-5/8" diameter for >12' To 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.		
32 31 13 13-0265 4' Fence Height <small>(32 31 13 13-0264)</small>		
32 31 13 13-0266 EA 3' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	209.42	18.79
For Gate With Single Barb Wire Arm, Add	16.58	
For Gate With Double Barb Wire Arm, Add	24.11	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-28.25	
For Aluminized Steel Gate And Post, Add	72.33	
For Powder Coated Gate And Post, Add	39.18	
32 31 13 13-0267 EA 4' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	259.65	19.57
For Gate With Single Barb Wire Arm, Add	22.10	
For Gate With Double Barb Wire Arm, Add	32.15	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-37.67	
For Aluminized Steel Gate And Post, Add	96.44	
For Powder Coated Gate And Post, Add	52.24	
32 31 13 13-0268 EA 5' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	305.23	20.83
For Gate With Single Barb Wire Arm, Add	26.68	
For Gate With Double Barb Wire Arm, Add	38.81	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-45.48	
For Aluminized Steel Gate And Post, Add	116.44	
For Powder Coated Gate And Post, Add	63.07	
32 31 13 13-0269 EA 6' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	359.42	25.06
For Gate With Single Barb Wire Arm, Add	31.27	
For Gate With Double Barb Wire Arm, Add	45.48	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-53.29	
For Aluminized Steel Gate And Post, Add	136.43	
For Powder Coated Gate And Post, Add	73.90	
32 31 13 13-0270 EA 7' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	413.61	29.21
For Gate With Single Barb Wire Arm, Add	35.85	
For Gate With Double Barb Wire Arm, Add	52.14	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-61.10	
For Aluminized Steel Gate And Post, Add	156.43	
For Powder Coated Gate And Post, Add	84.73	
32 31 13 13-0271 EA 8' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	469.50	33.36
For Gate With Single Barb Wire Arm, Add	40.62	
For Gate With Double Barb Wire Arm, Add	59.08	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-69.24	
For Aluminized Steel Gate And Post, Add	177.24	
For Powder Coated Gate And Post, Add	96.01	
32 31 13 13-0272 EA 9' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	523.69	37.59
For Gate With Single Barb Wire Arm, Add	45.20	
For Gate With Double Barb Wire Arm, Add	65.75	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-77.05	
For Aluminized Steel Gate And Post, Add	197.24	
For Powder Coated Gate And Post, Add	106.84	
32 31 13 13-0273 EA 10' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	578.61	41.74
For Gate With Single Barb Wire Arm, Add	49.86	
For Gate With Double Barb Wire Arm, Add	72.53	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-85.00	
For Aluminized Steel Gate And Post, Add	217.59	
For Powder Coated Gate And Post, Add	117.86	
32 31 13 13-0274 EA 10' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	728.07	41.74
For Gate With Single Barb Wire Arm, Add	66.30	
For Gate With Double Barb Wire Arm, Add	96.44	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-113.02	
For Aluminized Steel Gate And Post, Add	289.33	
For Powder Coated Gate And Post, Add	156.72	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0275 EA 12' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	857.58	44.72
For Gate With Single Barb Wire Arm, Add	79.57	
For Gate With Double Barb Wire Arm, Add	115.73	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-135.62	
For Aluminized Steel Gate And Post, Add	347.20	
For Powder Coated Gate And Post, Add	188.07	
32 31 13 13-0276 EA 14' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	988.46	48.17
For Gate With Single Barb Wire Arm, Add	92.83	
For Gate With Double Barb Wire Arm, Add	135.02	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-158.23	
For Aluminized Steel Gate And Post, Add	405.06	
For Powder Coated Gate And Post, Add	219.41	
32 31 13 13-0277 EA 16' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,121.07	52.16
For Gate With Single Barb Wire Arm, Add	106.09	
For Gate With Double Barb Wire Arm, Add	154.31	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-180.83	
For Aluminized Steel Gate And Post, Add	462.93	
For Powder Coated Gate And Post, Add	250.75	
32 31 13 13-0278 EA 18' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,279.23	64.65
For Gate With Single Barb Wire Arm, Add	119.35	
For Gate With Double Barb Wire Arm, Add	173.60	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-203.44	
For Aluminized Steel Gate And Post, Add	520.80	
For Powder Coated Gate And Post, Add	282.10	
32 31 13 13-0279 EA 20' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,413.66	69.29
For Gate With Single Barb Wire Arm, Add	132.61	
For Gate With Double Barb Wire Arm, Add	192.89	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-226.04	
For Aluminized Steel Gate And Post, Add	578.66	
For Powder Coated Gate And Post, Add	313.44	
32 31 13 13-0280 EA 22' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,547.28	74.66
For Gate With Single Barb Wire Arm, Add	145.55	
For Gate With Double Barb Wire Arm, Add	211.71	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-248.09	
For Aluminized Steel Gate And Post, Add	635.12	
For Powder Coated Gate And Post, Add	344.02	
32 31 13 13-0281 EA 24' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,683.57	80.85
For Gate With Single Barb Wire Arm, Add	158.49	
For Gate With Double Barb Wire Arm, Add	230.52	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-270.15	
For Aluminized Steel Gate And Post, Add	691.57	
For Powder Coated Gate And Post, Add	374.60	
32 31 13 13-0282 EA 26' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,823.26	88.23
For Gate With Single Barb Wire Arm, Add	171.42	
For Gate With Double Barb Wire Arm, Add	249.34	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-292.20	
For Aluminized Steel Gate And Post, Add	748.03	
For Powder Coated Gate And Post, Add	405.18	
32 31 13 13-0283 EA 28' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,923.25	97.06
For Gate With Single Barb Wire Arm, Add	179.51	
For Gate With Double Barb Wire Arm, Add	261.10	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-305.98	
For Aluminized Steel Gate And Post, Add	783.31	
For Powder Coated Gate And Post, Add	424.29	
32 31 13 13-0284 EA 30' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,132.05	107.81
For Gate With Single Barb Wire Arm, Add	198.92	
For Gate With Double Barb Wire Arm, Add	289.33	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-339.06	
For Aluminized Steel Gate And Post, Add	867.99	
For Powder Coated Gate And Post, Add	470.16	
32 31 13 13-0285 5' Fence Height <small>(32 31 13 13-0264)</small>		
32 31 13 13-0286 EA 3' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	248.87	20.83
For Gate With Single Barb Wire Arm, Add	20.48	
For Gate With Double Barb Wire Arm, Add	29.80	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-34.92	
For Aluminized Steel Gate And Post, Add	89.39	
For Powder Coated Gate And Post, Add	48.42	
32 31 13 13-0287 EA 4' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	310.13	20.83
For Gate With Single Barb Wire Arm, Add	27.22	
For Gate With Double Barb Wire Arm, Add	39.60	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-46.40	
For Aluminized Steel Gate And Post, Add	118.79	
For Powder Coated Gate And Post, Add	64.34	
32 31 13 13-0288 EA 5' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	360.62	22.16
For Gate With Single Barb Wire Arm, Add	32.34	
For Gate With Double Barb Wire Arm, Add	47.05	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-55.13	
For Aluminized Steel Gate And Post, Add	141.14	
For Powder Coated Gate And Post, Add	76.45	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0289	EA	6' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	422.92	26.62
		<i>For Gate With Single Barb Wire Arm, Add</i>	37.73	
		<i>For Gate With Double Barb Wire Arm, Add</i>	54.89	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-64.32	
		<i>For Aluminized Steel Gate And Post, Add</i>	164.66	
		<i>For Powder Coated Gate And Post, Add</i>	89.19	
32 31 13 13-0290	EA	7' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	480.34	31.01
		<i>For Gate With Single Barb Wire Arm, Add</i>	42.59	
		<i>For Gate With Double Barb Wire Arm, Add</i>	61.94	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-72.59	
		<i>For Aluminized Steel Gate And Post, Add</i>	185.83	
		<i>For Powder Coated Gate And Post, Add</i>	100.66	
32 31 13 13-0291	EA	8' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	543.44	35.71
		<i>For Gate With Single Barb Wire Arm, Add</i>	47.98	
		<i>For Gate With Double Barb Wire Arm, Add</i>	69.78	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-81.78	
		<i>For Aluminized Steel Gate And Post, Add</i>	209.35	
		<i>For Powder Coated Gate And Post, Add</i>	113.40	
32 31 13 13-0292	EA	9' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	603.31	40.18
		<i>For Gate With Single Barb Wire Arm, Add</i>	53.10	
		<i>For Gate With Double Barb Wire Arm, Add</i>	77.23	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-90.51	
		<i>For Aluminized Steel Gate And Post, Add</i>	231.70	
		<i>For Powder Coated Gate And Post, Add</i>	125.50	
32 31 13 13-0293	EA	10' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	663.18	44.56
		<i>For Gate With Single Barb Wire Arm, Add</i>	58.22	
		<i>For Gate With Double Barb Wire Arm, Add</i>	84.68	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-99.24	
		<i>For Aluminized Steel Gate And Post, Add</i>	254.04	
		<i>For Powder Coated Gate And Post, Add</i>	137.61	
32 31 13 13-0294	EA	10' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire.....	881.10	44.72
		<i>For Gate With Single Barb Wire Arm, Add</i>	82.15	
		<i>For Gate With Double Barb Wire Arm, Add</i>	119.50	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-140.03	
		<i>For Aluminized Steel Gate And Post, Add</i>	358.49	
		<i>For Powder Coated Gate And Post, Add</i>	194.18	
32 31 13 13-0295	EA	12' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire.....	1,041.39	48.17
		<i>For Gate With Single Barb Wire Arm, Add</i>	98.65	
		<i>For Gate With Double Barb Wire Arm, Add</i>	143.49	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-168.15	
		<i>For Aluminized Steel Gate And Post, Add</i>	430.47	
		<i>For Powder Coated Gate And Post, Add</i>	233.17	
32 31 13 13-0296	EA	14' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire.....	1,203.40	52.16
		<i>For Gate With Single Barb Wire Arm, Add</i>	115.14	
		<i>For Gate With Double Barb Wire Arm, Add</i>	167.48	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-196.27	
		<i>For Aluminized Steel Gate And Post, Add</i>	502.45	
		<i>For Powder Coated Gate And Post, Add</i>	272.16	
32 31 13 13-0297	EA	16' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire.....	1,390.97	64.65
		<i>For Gate With Single Barb Wire Arm, Add</i>	131.64	
		<i>For Gate With Double Barb Wire Arm, Add</i>	191.48	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-224.39	
		<i>For Aluminized Steel Gate And Post, Add</i>	574.43	
		<i>For Powder Coated Gate And Post, Add</i>	311.15	
32 31 13 13-0298	EA	18' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire.....	1,551.85	69.29
		<i>For Gate With Single Barb Wire Arm, Add</i>	147.81	
		<i>For Gate With Double Barb Wire Arm, Add</i>	215.00	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-251.95	
		<i>For Aluminized Steel Gate And Post, Add</i>	645.00	
		<i>For Powder Coated Gate And Post, Add</i>	349.37	
32 31 13 13-0299	EA	20' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire.....	1,720.76	74.66
		<i>For Gate With Single Barb Wire Arm, Add</i>	164.63	
		<i>For Gate With Double Barb Wire Arm, Add</i>	239.46	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-280.62	
		<i>For Aluminized Steel Gate And Post, Add</i>	718.39	
		<i>For Powder Coated Gate And Post, Add</i>	389.13	
32 31 13 13-0300	EA	22' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire.....	1,889.39	80.85
		<i>For Gate With Single Barb Wire Arm, Add</i>	181.13	
		<i>For Gate With Double Barb Wire Arm, Add</i>	263.46	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-308.74	
		<i>For Aluminized Steel Gate And Post, Add</i>	790.37	
		<i>For Powder Coated Gate And Post, Add</i>	428.12	
32 31 13 13-0301	EA	24' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire.....	2,058.49	88.23
		<i>For Gate With Single Barb Wire Arm, Add</i>	197.30	
		<i>For Gate With Double Barb Wire Arm, Add</i>	286.98	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-336.30	
		<i>For Aluminized Steel Gate And Post, Add</i>	860.94	
		<i>For Powder Coated Gate And Post, Add</i>	466.34	
32 31 13 13-0302	EA	26' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire.....	2,237.87	97.06
		<i>For Gate With Single Barb Wire Arm, Add</i>	214.12	
		<i>For Gate With Double Barb Wire Arm, Add</i>	311.44	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-364.97	
		<i>For Aluminized Steel Gate And Post, Add</i>	934.33	
		<i>For Powder Coated Gate And Post, Add</i>	506.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0303 EA 28' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,418.35	107.81
For Gate With Single Barb Wire Arm, Add	230.41	
For Gate With Double Barb Wire Arm, Add	335.14	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-392.74	
For Aluminized Steel Gate And Post, Add	1,005.42	
For Powder Coated Gate And Post, Add	544.60	
32 31 13 13-0304 EA 30' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,604.74	121.28
For Gate With Single Barb Wire Arm, Add	246.46	
For Gate With Double Barb Wire Arm, Add	358.49	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-420.10	
For Aluminized Steel Gate And Post, Add	1,075.46	
For Powder Coated Gate And Post, Add	582.54	
32 31 13 13-0305 6' Fence Height <small>(32 31 13 13-0264)</small>		
32 31 13 13-0306 EA 3' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	266.83	22.32
For Gate With Single Barb Wire Arm, Add	21.97	
For Gate With Double Barb Wire Arm, Add	31.95	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-37.44	
For Aluminized Steel Gate And Post, Add	95.86	
For Powder Coated Gate And Post, Add	51.92	
32 31 13 13-0307 EA 4' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	332.99	22.32
For Gate With Single Barb Wire Arm, Add	29.24	
For Gate With Double Barb Wire Arm, Add	42.54	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-49.85	
For Aluminized Steel Gate And Post, Add	127.61	
For Powder Coated Gate And Post, Add	69.12	
32 31 13 13-0308 EA 5' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	387.74	23.73
For Gate With Single Barb Wire Arm, Add	34.81	
For Gate With Double Barb Wire Arm, Add	50.63	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-59.34	
For Aluminized Steel Gate And Post, Add	151.90	
For Powder Coated Gate And Post, Add	82.28	
32 31 13 13-0309 EA 6' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	451.24	28.66
For Gate With Single Barb Wire Arm, Add	40.16	
For Gate With Double Barb Wire Arm, Add	58.41	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-68.45	
For Aluminized Steel Gate And Post, Add	175.24	
For Powder Coated Gate And Post, Add	94.92	
32 31 13 13-0310 EA 7' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	517.57	33.67
For Gate With Single Barb Wire Arm, Add	45.82	
For Gate With Double Barb Wire Arm, Add	66.65	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-78.10	
For Aluminized Steel Gate And Post, Add	199.94	
For Powder Coated Gate And Post, Add	108.30	
32 31 13 13-0311 EA 8' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	580.67	38.37
For Gate With Single Barb Wire Arm, Add	51.21	
For Gate With Double Barb Wire Arm, Add	74.49	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-87.29	
For Aluminized Steel Gate And Post, Add	223.47	
For Powder Coated Gate And Post, Add	121.05	
32 31 13 13-0312 EA 9' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	644.57	43.31
For Gate With Single Barb Wire Arm, Add	56.60	
For Gate With Double Barb Wire Arm, Add	82.33	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-96.48	
For Aluminized Steel Gate And Post, Add	246.99	
For Powder Coated Gate And Post, Add	133.79	
32 31 13 13-0313 EA 10' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	686.39	48.25
For Gate With Single Barb Wire Arm, Add	59.57	
For Gate With Double Barb Wire Arm, Add	86.64	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-101.54	
For Aluminized Steel Gate And Post, Add	259.93	
For Powder Coated Gate And Post, Add	140.80	
32 31 13 13-0314 EA 10' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	941.42	48.17
For Gate With Single Barb Wire Arm, Add	87.65	
For Gate With Double Barb Wire Arm, Add	127.49	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-149.41	
For Aluminized Steel Gate And Post, Add	382.48	
For Powder Coated Gate And Post, Add	207.18	
32 31 13 13-0315 EA 12' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,112.25	52.16
For Gate With Single Barb Wire Arm, Add	105.12	
For Gate With Double Barb Wire Arm, Add	152.90	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-179.18	
For Aluminized Steel Gate And Post, Add	458.70	
For Powder Coated Gate And Post, Add	248.46	
32 31 13 13-0316 EA 14' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,325.45	69.29
For Gate With Single Barb Wire Arm, Add	122.91	
For Gate With Double Barb Wire Arm, Add	178.77	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-209.50	
For Aluminized Steel Gate And Post, Add	536.32	
For Powder Coated Gate And Post, Add	290.51	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0317 EA 16' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,500.24	74.66
For Gate With Single Barb Wire Arm, Add	140.37	
For Gate With Double Barb Wire Arm, Add	204.18	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-239.27	
For Aluminized Steel Gate And Post, Add	612.54	
For Powder Coated Gate And Post, Add	331.79	
32 31 13 13-0318 EA 18' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,680.63	80.85
For Gate With Single Barb Wire Arm, Add	158.16	
For Gate With Double Barb Wire Arm, Add	230.05	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-269.60	
For Aluminized Steel Gate And Post, Add	690.16	
For Powder Coated Gate And Post, Add	373.84	
32 31 13 13-0319 EA 20' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,864.43	88.23
For Gate With Single Barb Wire Arm, Add	175.95	
For Gate With Double Barb Wire Arm, Add	255.93	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-299.92	
For Aluminized Steel Gate And Post, Add	767.79	
For Powder Coated Gate And Post, Add	415.89	
32 31 13 13-0320 EA 22' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,049.69	97.06
For Gate With Single Barb Wire Arm, Add	193.42	
For Gate With Double Barb Wire Arm, Add	281.33	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-329.69	
For Aluminized Steel Gate And Post, Add	844.00	
For Powder Coated Gate And Post, Add	457.17	
32 31 13 13-0321 EA 24' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,242.31	107.81
For Gate With Single Barb Wire Arm, Add	211.04	
For Gate With Double Barb Wire Arm, Add	306.97	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-359.73	
For Aluminized Steel Gate And Post, Add	920.92	
For Powder Coated Gate And Post, Add	498.83	
32 31 13 13-0322 EA 26' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,441.26	121.28
For Gate With Single Barb Wire Arm, Add	228.48	
For Gate With Double Barb Wire Arm, Add	332.33	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-389.45	
For Aluminized Steel Gate And Post, Add	996.99	
For Powder Coated Gate And Post, Add	540.04	
32 31 13 13-0323 EA 28' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,653.83	138.57
For Gate With Single Barb Wire Arm, Add	246.14	
For Gate With Double Barb Wire Arm, Add	358.02	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-419.55	
For Aluminized Steel Gate And Post, Add	1,074.05	
For Powder Coated Gate And Post, Add	581.78	
32 31 13 13-0324 EA 30' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,884.05	161.70
For Gate With Single Barb Wire Arm, Add	263.83	
For Gate With Double Barb Wire Arm, Add	383.75	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-449.71	
For Aluminized Steel Gate And Post, Add	1,151.26	
For Powder Coated Gate And Post, Add	623.60	
32 31 13 13-0325 7' Fence Height (32 31 13 13-0264)		
32 31 13 13-0326 EA 3' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	280.58	24.04
For Gate With Single Barb Wire Arm, Add	22.91	
For Gate With Double Barb Wire Arm, Add	33.32	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-39.05	
For Aluminized Steel Gate And Post, Add	99.97	
For Powder Coated Gate And Post, Add	54.15	
32 31 13 13-0327 EA 4' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	349.18	24.04
For Gate With Single Barb Wire Arm, Add	30.46	
For Gate With Double Barb Wire Arm, Add	44.30	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-51.92	
For Aluminized Steel Gate And Post, Add	132.90	
For Powder Coated Gate And Post, Add	71.99	
32 31 13 13-0328 EA 5' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	408.43	25.29
For Gate With Single Barb Wire Arm, Add	36.57	
For Gate With Double Barb Wire Arm, Add	53.19	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-62.34	
For Aluminized Steel Gate And Post, Add	159.58	
For Powder Coated Gate And Post, Add	86.44	
32 31 13 13-0329 EA 6' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	500.34	30.78
For Gate With Single Barb Wire Arm, Add	44.87	
For Gate With Double Barb Wire Arm, Add	65.27	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-76.49	
For Aluminized Steel Gate And Post, Add	195.81	
For Powder Coated Gate And Post, Add	106.06	
32 31 13 13-0330 EA 7' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	591.49	36.02
For Gate With Single Barb Wire Arm, Add	53.18	
For Gate With Double Barb Wire Arm, Add	77.35	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-90.64	
For Aluminized Steel Gate And Post, Add	232.04	
For Powder Coated Gate And Post, Add	125.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0331 EA 8' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	683.41	41.43
For Gate With Single Barb Wire Arm, Add	61.48	
For Gate With Double Barb Wire Arm, Add	89.42	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-104.79	
For Aluminized Steel Gate And Post, Add	268.27	
For Powder Coated Gate And Post, Add	145.31	
32 31 13 13-0332 EA 9' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	774.56	46.68
For Gate With Single Barb Wire Arm, Add	69.78	
For Gate With Double Barb Wire Arm, Add	101.50	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-118.95	
For Aluminized Steel Gate And Post, Add	304.50	
For Powder Coated Gate And Post, Add	164.94	
32 31 13 13-0333 EA 10' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	852.88	52.16
For Gate With Single Barb Wire Arm, Add	76.59	
For Gate With Double Barb Wire Arm, Add	111.40	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-130.55	
For Aluminized Steel Gate And Post, Add	334.20	
For Powder Coated Gate And Post, Add	181.03	
32 31 13 13-0334 EA 10' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,070.55	52.16
For Gate With Single Barb Wire Arm, Add	100.53	
For Gate With Double Barb Wire Arm, Add	146.23	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-171.36	
For Aluminized Steel Gate And Post, Add	438.68	
For Powder Coated Gate And Post, Add	237.62	
32 31 13 13-0335 EA 12' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,224.32	69.29
For Gate With Single Barb Wire Arm, Add	111.78	
For Gate With Double Barb Wire Arm, Add	162.59	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-190.54	
For Aluminized Steel Gate And Post, Add	487.78	
For Powder Coated Gate And Post, Add	264.21	
32 31 13 13-0336 EA 14' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,409.69	74.66
For Gate With Single Barb Wire Arm, Add	130.41	
For Gate With Double Barb Wire Arm, Add	189.69	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-222.29	
For Aluminized Steel Gate And Post, Add	569.07	
For Powder Coated Gate And Post, Add	308.25	
32 31 13 13-0337 EA 16' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,583.59	80.85
For Gate With Single Barb Wire Arm, Add	147.49	
For Gate With Double Barb Wire Arm, Add	214.53	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-251.40	
For Aluminized Steel Gate And Post, Add	643.58	
For Powder Coated Gate And Post, Add	348.61	
32 31 13 13-0338 EA 18' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,776.21	88.23
For Gate With Single Barb Wire Arm, Add	166.25	
For Gate With Double Barb Wire Arm, Add	241.81	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-283.38	
For Aluminized Steel Gate And Post, Add	725.44	
For Powder Coated Gate And Post, Add	392.95	
32 31 13 13-0339 EA 20' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,970.30	97.06
For Gate With Single Barb Wire Arm, Add	184.68	
For Gate With Double Barb Wire Arm, Add	268.63	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-314.80	
For Aluminized Steel Gate And Post, Add	805.90	
For Powder Coated Gate And Post, Add	436.53	
32 31 13 13-0340 EA 22' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,170.28	107.81
For Gate With Single Barb Wire Arm, Add	203.12	
For Gate With Double Barb Wire Arm, Add	295.45	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-346.23	
For Aluminized Steel Gate And Post, Add	886.34	
For Powder Coated Gate And Post, Add	480.10	
32 31 13 13-0341 EA 24' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,378.34	121.28
For Gate With Single Barb Wire Arm, Add	221.56	
For Gate With Double Barb Wire Arm, Add	322.26	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-377.65	
For Aluminized Steel Gate And Post, Add	966.79	
For Powder Coated Gate And Post, Add	523.68	
32 31 13 13-0342 EA 26' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,597.97	138.57
For Gate With Single Barb Wire Arm, Add	239.99	
For Gate With Double Barb Wire Arm, Add	349.08	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-409.08	
For Aluminized Steel Gate And Post, Add	1,047.24	
For Powder Coated Gate And Post, Add	567.26	
32 31 13 13-0343 EA 28' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,834.95	161.70
For Gate With Single Barb Wire Arm, Add	258.43	
For Gate With Double Barb Wire Arm, Add	375.90	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-440.50	
For Aluminized Steel Gate And Post, Add	1,127.69	
For Powder Coated Gate And Post, Add	610.83	
32 31 13 13-0344 EA 30' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,099.67	194.02
For Gate With Single Barb Wire Arm, Add	276.86	
For Gate With Double Barb Wire Arm, Add	402.71	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-471.93	
For Aluminized Steel Gate And Post, Add	1,208.14	
For Powder Coated Gate And Post, Add	654.41	

32 Exterior Improvements

32 30 Site Improvements

32 31 Fences And Gates



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
32 31 13 13-0345		8' Fence Height <small>(32 31 13 13-0264)</small>			
32 31 13 13-0346	EA	3' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	327.06		26.08
		<i>For Gate With Single Barb Wire Arm, Add</i>	27.36		
		<i>For Gate With Double Barb Wire Arm, Add</i>	39.80		
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-46.64		
		<i>For Aluminized Steel Gate And Post, Add</i>	119.40		
		<i>For Powder Coated Gate And Post, Add</i>	64.67		
32 31 13 13-0347	EA	4' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	409.98		26.08
		<i>For Gate With Single Barb Wire Arm, Add</i>	36.48		
		<i>For Gate With Double Barb Wire Arm, Add</i>	53.07		
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-62.19		
		<i>For Aluminized Steel Gate And Post, Add</i>	159.20		
		<i>For Powder Coated Gate And Post, Add</i>	86.23		
32 31 13 13-0348	EA	5' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	477.39		29.05
		<i>For Gate With Single Barb Wire Arm, Add</i>	42.91		
		<i>For Gate With Double Barb Wire Arm, Add</i>	62.41		
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-73.14		
		<i>For Aluminized Steel Gate And Post, Add</i>	187.23		
		<i>For Powder Coated Gate And Post, Add</i>	101.42		
32 31 13 13-0349	EA	6' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	547.15		32.89
		<i>For Gate With Single Barb Wire Arm, Add</i>	49.33		
		<i>For Gate With Double Barb Wire Arm, Add</i>	71.76		
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-84.09		
		<i>For Aluminized Steel Gate And Post, Add</i>	215.27		
		<i>For Powder Coated Gate And Post, Add</i>	116.60		
32 31 13 13-0350	EA	7' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	625.93		39.63
		<i>For Gate With Single Barb Wire Arm, Add</i>	55.76		
		<i>For Gate With Double Barb Wire Arm, Add</i>	81.10		
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-95.04		
		<i>For Aluminized Steel Gate And Post, Add</i>	243.31		
		<i>For Powder Coated Gate And Post, Add</i>	131.79		
32 31 13 13-0351	EA	8' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	703.93		46.13
		<i>For Gate With Single Barb Wire Arm, Add</i>	62.18		
		<i>For Gate With Double Barb Wire Arm, Add</i>	90.45		
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-106.00		
		<i>For Aluminized Steel Gate And Post, Add</i>	271.35		
		<i>For Powder Coated Gate And Post, Add</i>	146.98		
32 31 13 13-0352	EA	9' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	782.70		52.95
		<i>For Gate With Single Barb Wire Arm, Add</i>	68.61		
		<i>For Gate With Double Barb Wire Arm, Add</i>	99.80		
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-116.95		
		<i>For Aluminized Steel Gate And Post, Add</i>	299.39		
		<i>For Powder Coated Gate And Post, Add</i>	162.17		
32 31 13 13-0353	EA	10' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	861.47		59.75
		<i>For Gate With Single Barb Wire Arm, Add</i>	75.04		
		<i>For Gate With Double Barb Wire Arm, Add</i>	109.14		
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-127.90		
		<i>For Aluminized Steel Gate And Post, Add</i>	327.43		
		<i>For Powder Coated Gate And Post, Add</i>	177.36		
32 31 13 13-0354	EA	10' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	1,231.33		69.29
		<i>For Gate With Single Barb Wire Arm, Add</i>	112.55		
		<i>For Gate With Double Barb Wire Arm, Add</i>	163.72		
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-191.85		
		<i>For Aluminized Steel Gate And Post, Add</i>	491.15		
		<i>For Powder Coated Gate And Post, Add</i>	266.04		
32 31 13 13-0355	EA	12' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	1,444.37		74.66
		<i>For Gate With Single Barb Wire Arm, Add</i>	134.23		
		<i>For Gate With Double Barb Wire Arm, Add</i>	195.24		
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-228.80		
		<i>For Aluminized Steel Gate And Post, Add</i>	585.72		
		<i>For Powder Coated Gate And Post, Add</i>	317.27		
32 31 13 13-0356	EA	14' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	1,662.98		80.85
		<i>For Gate With Single Barb Wire Arm, Add</i>	156.22		
		<i>For Gate With Double Barb Wire Arm, Add</i>	227.23		
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-266.29		
		<i>For Aluminized Steel Gate And Post, Add</i>	681.69		
		<i>For Powder Coated Gate And Post, Add</i>	369.25		
32 31 13 13-0357	EA	16' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	1,890.89		88.23
		<i>For Gate With Single Barb Wire Arm, Add</i>	178.86		
		<i>For Gate With Double Barb Wire Arm, Add</i>	260.16		
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-304.88		
		<i>For Aluminized Steel Gate And Post, Add</i>	780.49		
		<i>For Powder Coated Gate And Post, Add</i>	422.77		
32 31 13 13-0358	EA	18' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	2,123.19		97.06
		<i>For Gate With Single Barb Wire Arm, Add</i>	201.50		
		<i>For Gate With Double Barb Wire Arm, Add</i>	293.09		
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-343.47		
		<i>For Aluminized Steel Gate And Post, Add</i>	879.28		
		<i>For Powder Coated Gate And Post, Add</i>	476.28		
32 31 13 13-0359	EA	20' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	2,358.46		107.81
		<i>For Gate With Single Barb Wire Arm, Add</i>	223.82		
		<i>For Gate With Double Barb Wire Arm, Add</i>	325.56		
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-381.51		
		<i>For Aluminized Steel Gate And Post, Add</i>	976.67		
		<i>For Powder Coated Gate And Post, Add</i>	529.03		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0360	EA	22' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	2,598.86 245.81 357.55 -419.00 1,072.64 581.01	121.28
32 31	13 13-0361	EA	24' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	2,856.72 268.46 390.48 -457.59 1,171.44 634.53	138.57
32 31	13 13-0362	EA	26' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	3,131.92 291.10 423.41 -496.19 1,270.23 688.04	161.70
32 31	13 13-0363	EA	28' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	3,431.93 313.41 455.87 -534.23 1,367.62 740.79	194.02
32 31	13 13-0364	EA	30' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	3,780.48 335.73 488.33 -572.27 1,465.00 793.54	242.56
32 31 13 13-0365 10' Fence Height (32 31 13 13-0264)					
32 31	13 13-0366	EA	3' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	408.67 35.38 51.47 -60.31 154.40 83.63	28.97
32 31	13 13-0367	EA	4' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	515.88 47.18 68.62 -80.41 205.86 111.51	28.97
32 31	13 13-0368	EA	5' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	595.26 55.49 80.71 -94.58 242.12 131.15	30.23
32 31	13 13-0369	EA	6' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	692.73 63.80 92.79 -108.74 278.38 150.79	37.59
32 31	13 13-0370	EA	7' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	789.73 72.10 104.88 -122.90 314.63 170.42	44.56
32 31	13 13-0371	EA	8' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	886.86 80.41 116.96 -137.07 350.89 190.07	51.93
32 31	13 13-0372	EA	9' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	983.55 88.72 129.05 -151.23 387.15 209.71	58.97
32 31	13 13-0373	EA	10' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	1,081.03 97.03 141.14 -165.40 423.41 229.35	66.25

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0374	EA 10' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,554.38	77.03
	<i>For Gate With Single Barb Wire Arm, Add</i>	145.55	
	<i>For Gate With Double Barb Wire Arm, Add</i>	211.70	
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-248.09	
	<i>For Aluminized Steel Gate And Post, Add</i>	635.11	
	<i>For Powder Coated Gate And Post, Add</i>	344.02	
32 31 13 13-0375	EA 12' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,689.73	82.85
	<i>For Gate With Single Barb Wire Arm, Add</i>	158.49	
	<i>For Gate With Double Barb Wire Arm, Add</i>	230.53	
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-270.15	
	<i>For Aluminized Steel Gate And Post, Add</i>	691.58	
	<i>For Powder Coated Gate And Post, Add</i>	374.61	
32 31 13 13-0376	EA 14' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,922.25	89.86
	<i>For Gate With Single Barb Wire Arm, Add</i>	181.77	
	<i>For Gate With Double Barb Wire Arm, Add</i>	264.40	
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-309.84	
	<i>For Aluminized Steel Gate And Post, Add</i>	793.19	
	<i>For Powder Coated Gate And Post, Add</i>	429.64	
32 31 13 13-0377	EA 16' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,181.89	97.97
	<i>For Gate With Single Barb Wire Arm, Add</i>	207.65	
	<i>For Gate With Double Barb Wire Arm, Add</i>	302.03	
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-353.95	
	<i>For Aluminized Steel Gate And Post, Add</i>	906.10	
	<i>For Powder Coated Gate And Post, Add</i>	490.80	
32 31 13 13-0378	EA 18' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,446.67	107.81
	<i>For Gate With Single Barb Wire Arm, Add</i>	233.52	
	<i>For Gate With Double Barb Wire Arm, Add</i>	339.67	
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-398.05	
	<i>For Aluminized Steel Gate And Post, Add</i>	1,019.01	
	<i>For Powder Coated Gate And Post, Add</i>	551.96	
32 31 13 13-0379	EA 20' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,719.17	119.73
	<i>For Gate With Single Barb Wire Arm, Add</i>	259.56	
	<i>For Gate With Double Barb Wire Arm, Add</i>	377.54	
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-442.43	
	<i>For Aluminized Steel Gate And Post, Add</i>	1,132.63	
	<i>For Powder Coated Gate And Post, Add</i>	613.51	
32 31 13 13-0380	EA 22' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,001.00	134.75
	<i>For Gate With Single Barb Wire Arm, Add</i>	285.60	
	<i>For Gate With Double Barb Wire Arm, Add</i>	415.41	
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-486.81	
	<i>For Aluminized Steel Gate And Post, Add</i>	1,246.24	
	<i>For Powder Coated Gate And Post, Add</i>	675.05	
32 31 13 13-0381	EA 24' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,293.75	153.87
	<i>For Gate With Single Barb Wire Arm, Add</i>	311.47	
	<i>For Gate With Double Barb Wire Arm, Add</i>	453.05	
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-530.92	
	<i>For Aluminized Steel Gate And Post, Add</i>	1,359.15	
	<i>For Powder Coated Gate And Post, Add</i>	736.21	
32 31 13 13-0382	EA 26' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,606.35	179.64
	<i>For Gate With Single Barb Wire Arm, Add</i>	337.35	
	<i>For Gate With Double Barb Wire Arm, Add</i>	490.69	
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-575.03	
	<i>For Aluminized Steel Gate And Post, Add</i>	1,472.06	
	<i>For Powder Coated Gate And Post, Add</i>	797.37	
32 31 13 13-0383	EA 28' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,948.91	215.42
	<i>For Gate With Single Barb Wire Arm, Add</i>	363.22	
	<i>For Gate With Double Barb Wire Arm, Add</i>	528.32	
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-619.13	
	<i>For Aluminized Steel Gate And Post, Add</i>	1,584.97	
	<i>For Powder Coated Gate And Post, Add</i>	858.53	
32 31 13 13-0384	EA 30' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	4,349.51	269.50
	<i>For Gate With Single Barb Wire Arm, Add</i>	389.42	
	<i>For Gate With Double Barb Wire Arm, Add</i>	566.43	
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-663.79	
	<i>For Aluminized Steel Gate And Post, Add</i>	1,699.29	
	<i>For Powder Coated Gate And Post, Add</i>	920.45	
32 31 13 13-0385	12' Fence Height <small>(32 31 13 13-0264)</small>		
32 31 13 13-0386	EA 3' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	508.40	32.19
	<i>For Gate With Single Barb Wire Arm, Add</i>	45.29	
	<i>For Gate With Double Barb Wire Arm, Add</i>	65.88	
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-77.20	
	<i>For Aluminized Steel Gate And Post, Add</i>	197.63	
	<i>For Powder Coated Gate And Post, Add</i>	107.05	
32 31 13 13-0387	EA 4' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	645.63	32.19
	<i>For Gate With Single Barb Wire Arm, Add</i>	60.38	
	<i>For Gate With Double Barb Wire Arm, Add</i>	87.83	
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-102.93	
	<i>For Aluminized Steel Gate And Post, Add</i>	263.50	
	<i>For Powder Coated Gate And Post, Add</i>	142.73	



	Exterior Improvements	32
	Site Improvements	32 30
	Fences And Gates	32 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13	13-0388	EA 5' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	745.89 71.02 103.30 -121.06 309.91 167.87	33.36
32 31	13	13-0389	EA 6' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	866.86 81.66 118.77 -139.19 356.32 193.01	41.43
32 31	13	13-0390	EA 7' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	438.68 31.89 46.38 -54.35 139.14 75.37	49.58
32 31	13	13-0391	EA 8' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	495.59 35.56 51.73 -60.62 155.18 84.06	57.40
32 31	13	13-0392	EA 9' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	553.28 39.24 57.07 -66.88 171.22 92.74	65.47
32 31	13	13-0393	EA 10' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	610.95 42.91 62.42 -73.14 187.25 101.43	73.54
32 31	13	13-0394	EA 10' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	800.45 59.79 86.96 -101.91 260.89 141.32	85.59
32 31	13	13-0395	EA 12' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	873.89 65.71 95.58 -112.01 286.73 155.31	92.14
32 31	13	13-0396	EA 14' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	984.48 75.32 109.56 -128.39 328.67 178.03	99.79
32 31	13	13-0397	EA 16' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	1,109.18 86.05 125.16 -146.67 375.48 203.39	108.80
32 31	13	13-0398	EA 18' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	2,905.88 280.10 407.42 -477.44 1,222.25 662.05	119.82
32 31	13	13-0399	EA 20' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	3,230.90 311.47 453.05 -530.92 1,359.15 736.21	133.02
32 31	13	13-0400	EA 22' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	3,563.46 342.52 498.21 -583.85 1,494.64 809.60	149.69
32 31	13	13-0401	EA 24' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add	3,912.58 373.90 543.85 -637.32 1,631.55 883.76	170.99

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0402	EA	26' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	4,277.88	199.67
		<i>For Gate With Single Barb Wire Arm, Add</i>	404.62	
		<i>For Gate With Double Barb Wire Arm, Add</i>	588.54	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-689.70	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,765.63	
		<i>For Powder Coated Gate And Post, Add</i>	956.38	
32 31 13 13-0403	EA	28' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	4,679.42	239.37
		<i>For Gate With Single Barb Wire Arm, Add</i>	435.67	
		<i>For Gate With Double Barb Wire Arm, Add</i>	633.71	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-742.62	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,901.12	
		<i>For Powder Coated Gate And Post, Add</i>	1,029.77	
32 31 13 13-0404	EA	30' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	5,145.13	299.46
		<i>For Gate With Single Barb Wire Arm, Add</i>	467.05	
		<i>For Gate With Double Barb Wire Arm, Add</i>	679.34	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-796.10	
		<i>For Aluminized Steel Gate And Post, Add</i>	2,038.02	
		<i>For Powder Coated Gate And Post, Add</i>	1,103.93	
32 31 13 13-0405		Vinyl Coated Without Barb Wire Arm <small>(32 31 13 13-0263)</small>		
		Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter to 13' wide, 6-5/8" diameter for 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.		
32 31 13 13-0406		4' Fence Height <small>(32 31 13 13-0405)</small>		
32 31 13 13-0407	EA	3' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	126.52	19.57
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-12.71	
		<i>For Gate With Single Barb Wire Arm, Add</i>	7.46	
		<i>For Gate With Double Barb Wire Arm, Add</i>	10.85	
32 31 13 13-0408	EA	4' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	149.12	19.57
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-16.95	
		<i>For Gate With Single Barb Wire Arm, Add</i>	9.94	
		<i>For Gate With Double Barb Wire Arm, Add</i>	14.46	
32 31 13 13-0409	EA	5' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	171.87	20.83
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-20.48	
		<i>For Gate With Single Barb Wire Arm, Add</i>	12.01	
		<i>For Gate With Double Barb Wire Arm, Add</i>	17.48	
32 31 13 13-0410	EA	6' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	203.23	25.06
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-24.01	
		<i>For Gate With Single Barb Wire Arm, Add</i>	14.09	
		<i>For Gate With Double Barb Wire Arm, Add</i>	20.49	
32 31 13 13-0411	EA	7' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	234.59	29.21
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-27.54	
		<i>For Gate With Single Barb Wire Arm, Add</i>	16.16	
		<i>For Gate With Double Barb Wire Arm, Add</i>	23.50	
32 31 13 13-0412	EA	8' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	265.95	33.36
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-31.07	
		<i>For Gate With Single Barb Wire Arm, Add</i>	18.23	
		<i>For Gate With Double Barb Wire Arm, Add</i>	26.51	
32 31 13 13-0413	EA	9' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	297.31	37.59
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-34.60	
		<i>For Gate With Single Barb Wire Arm, Add</i>	20.30	
		<i>For Gate With Double Barb Wire Arm, Add</i>	29.53	
32 31 13 13-0414	EA	10' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	328.67	41.74
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-38.13	
		<i>For Gate With Single Barb Wire Arm, Add</i>	22.37	
		<i>For Gate With Double Barb Wire Arm, Add</i>	32.54	
32 31 13 13-0415	EA	10' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	396.46	41.74
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-50.84	
		<i>For Gate With Single Barb Wire Arm, Add</i>	29.83	
		<i>For Gate With Double Barb Wire Arm, Add</i>	43.39	
32 31 13 13-0416	EA	12' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	459.64	44.72
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-61.01	
		<i>For Gate With Single Barb Wire Arm, Add</i>	35.79	
		<i>For Gate With Double Barb Wire Arm, Add</i>	52.06	
32 31 13 13-0417	EA	14' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	524.21	48.17
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-71.18	
		<i>For Gate With Single Barb Wire Arm, Add</i>	41.76	
		<i>For Gate With Double Barb Wire Arm, Add</i>	60.74	
32 31 13 13-0418	EA	16' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	590.49	52.16
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-81.35	
		<i>For Gate With Single Barb Wire Arm, Add</i>	47.72	
		<i>For Gate With Double Barb Wire Arm, Add</i>	69.42	
32 31 13 13-0419	EA	18' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	682.33	64.65
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-91.52	
		<i>For Gate With Single Barb Wire Arm, Add</i>	53.69	
		<i>For Gate With Double Barb Wire Arm, Add</i>	78.09	
32 31 13 13-0420	EA	20' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	750.43	69.29
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-101.69	
		<i>For Gate With Single Barb Wire Arm, Add</i>	59.66	
		<i>For Gate With Double Barb Wire Arm, Add</i>	86.77	



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	Site Improvements	32 30
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0421	EA	22' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	820.68 -111.86 65.62 95.45	74.66
32 31	13 13-0422	EA	24' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	893.58 -122.02 71.59 104.13	80.85
32 31	13 13-0423	EA	26' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	969.89 -132.19 77.55 112.80	88.23
32 31	13 13-0424	EA	28' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,050.60 -142.36 83.52 121.48	97.06
32 31	13 13-0425	EA	30' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,137.22 -152.53 89.48 130.16	107.81
32 31	13 13-0426		5' Fence Height <small>(32 31 13 13-0405)</small>		
32 31	13 13-0427	EA	3' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	146.65 -15.75 9.24 13.44	20.83
32 31	13 13-0428	EA	4' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	174.65 -21.00 12.32 17.92	20.83
32 31	13 13-0429	EA	5' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	199.58 -24.94 14.63 21.28	22.16
32 31	13 13-0430	EA	6' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	233.87 -28.88 16.94 24.64	26.62
32 31	13 13-0431	EA	7' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	268.20 -32.81 19.25 28.00	31.01
32 31	13 13-0432	EA	8' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	303.29 -36.75 21.56 31.36	35.71
32 31	13 13-0433	EA	9' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	337.61 -40.69 23.87 34.72	40.18
32 31	13 13-0434	EA	10' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	371.92 -44.63 26.18 38.08	44.56
32 31	13 13-0435	EA	10' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	470.26 -63.00 36.96 53.76	44.72
32 31	13 13-0436	EA	12' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	547.79 -75.60 44.35 64.51	48.17
32 31	13 13-0437	EA	14' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	627.04 -88.20 51.75 75.27	52.16
32 31	13 13-0438	EA	16' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	731.85 -100.80 59.14 86.02	64.65
32 31	13 13-0439	EA	18' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	812.92 -113.40 66.53 96.77	69.29
32 31	13 13-0440	EA	20' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	896.13 -126.00 73.92 107.52	74.66
32 31	13 13-0441	EA	22' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	982.00 -138.60 81.31 118.27	80.85

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0442	EA	24' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,071.28 -151.20 88.71 129.03	88.23
32 31	13 13-0443	EA	26' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,164.97 -163.80 96.10 139.78	97.06
32 31	13 13-0444	EA	28' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,264.55 -176.40 103.49 150.53	107.81
32 31	13 13-0445	EA	30' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,372.21 -189.00 110.88 161.28	121.28
32 31 13 13-0446 6' Fence Height (32 31 13 13-0405)					
32 31	13 13-0447	EA	3' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	156.90 -16.83 9.87 14.36	22.32
32 31	13 13-0448	EA	4' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	186.83 -22.44 13.17 19.15	22.32
32 31	13 13-0449	EA	5' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	213.41 -26.65 15.64 22.74	23.73
32 31	13 13-0450	EA	6' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	250.74 -30.86 18.10 26.33	28.66
32 31	13 13-0451	EA	7' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	288.05 -35.07 20.57 29.92	33.67
32 31	13 13-0452	EA	8' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	324.58 -39.28 23.04 33.52	38.37
32 31	13 13-0453	EA	9' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	361.93 -43.49 25.51 37.11	43.31
32 31	13 13-0454	EA	10' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	399.24 -47.69 27.98 40.70	48.25
32 31	13 13-0455	EA	10' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	503.68 -67.33 39.50 57.46	48.17
32 31	13 13-0456	EA	12' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	587.54 -80.80 47.40 68.95	52.16
32 31	13 13-0457	EA	14' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	710.84 -94.26 55.30 80.44	69.29
32 31	13 13-0458	EA	16' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	798.67 -107.73 63.20 91.93	74.66
32 31	13 13-0459	EA	18' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	889.16 -121.19 71.10 103.42	80.85
32 31	13 13-0460	EA	20' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	996.33 -137.15 80.46 117.03	88.23
32 31	13 13-0461	EA	22' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,083.77 -148.58 87.17 126.79	97.06
32 31	13 13-0462	EA	24' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,185.56 -161.59 94.80 137.89	107.81



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		Site Improvements	32 30
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0463	EA	26' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,297.84 -175.06 102.70 149.38	121.28
32 31	13 13-0464	EA	28' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,421.69 -188.53 110.60 160.88	138.57
32 31	13 13-0465	EA	30' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,562.89 -201.99 118.50 172.37	161.70
32 31	13 13-0466		7' Fence Height <small>(32 31 13 13-0405)</small>		
32 31	13 13-0467	EA	3' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	166.59 -17.68 10.37 15.09	24.04
32 31	13 13-0468	EA	4' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	198.03 -23.57 13.83 20.12	24.04
32 31	13 13-0469	EA	5' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	225.28 -28.00 16.42 23.89	25.29
32 31	13 13-0470	EA	6' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	265.29 -32.42 19.02 27.66	30.78
32 31	13 13-0471	EA	7' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	304.52 -36.83 21.61 31.43	36.02
32 31	13 13-0472	EA	8' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	344.55 -41.26 24.20 35.20	41.43
32 31	13 13-0473	EA	9' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	383.78 -45.68 26.80 38.98	46.68
32 31	13 13-0474	EA	10' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	423.81 -50.10 29.39 42.75	52.16
32 31	13 13-0475	EA	10' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	533.82 -70.72 41.49 60.35	52.16
32 31	13 13-0476	EA	12' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	660.72 -84.86 49.79 72.42	69.29
32 31	13 13-0477	EA	14' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	752.18 -99.01 58.09 84.49	74.66
32 31	13 13-0478	EA	16' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	846.27 -113.15 66.38 96.56	80.85
32 31	13 13-0479	EA	18' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	943.80 -127.30 74.68 108.63	88.23
32 31	13 13-0480	EA	20' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,045.70 -141.44 82.98 120.70	97.06
32 31	13 13-0481	EA	22' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,153.51 -155.58 91.28 132.76	107.81
32 31	13 13-0482	EA	24' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,269.41 -169.73 99.57 144.84	121.28
32 31	13 13-0483	EA	26' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,396.89 -183.88 107.87 156.91	138.57

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0484	EA	28' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,541.69 -198.02 116.17 168.97	161.70
32 31	13 13-0485	EA	30' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,714.26 -212.16 124.47 181.05	194.02
32 31 13 13-0486 8' Fence Height <small>(32 31 13 13-0405)</small>					
32 31	13 13-0487	EA	3' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	192.61 -21.43 12.57 18.29	26.08
32 31	13 13-0488	EA	4' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	230.71 -28.57 16.76 24.38	26.08
32 31	13 13-0489	EA	5' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	256.11 -33.34 19.56 28.45	26.08
32 31	13 13-0490	EA	6' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	301.85 -38.10 22.35 32.51	32.89
32 31	13 13-0491	EA	7' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	347.62 -42.86 25.14 36.57	39.63
32 31	13 13-0492	EA	8' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	392.60 -47.62 27.94 40.64	46.13
32 31	13 13-0493	EA	9' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	438.36 -52.38 30.73 44.70	52.95
32 31	13 13-0494	EA	10' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	484.11 -57.15 33.53 48.76	59.75
32 31	13 13-0495	EA	10' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	665.27 -85.72 50.29 73.15	69.29
32 31	13 13-0496	EA	12' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	772.71 -102.86 60.34 87.77	74.66
32 31	13 13-0497	EA	14' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	882.81 -120.00 70.40 102.40	80.85
32 31	13 13-0498	EA	16' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	996.32 -137.15 80.46 117.03	88.23
32 31	13 13-0499	EA	18' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,114.23 -154.29 90.52 131.66	97.06
32 31	13 13-0500	EA	20' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,238.05 -171.44 100.58 146.29	107.81
32 31	13 13-0501	EA	22' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,369.94 -188.58 110.63 160.92	121.28
32 31	13 13-0502	EA	24' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,513.40 -205.72 120.69 175.55	138.57
32 31	13 13-0503	EA	26' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,674.21 -222.86 130.75 190.18	161.70
32 31	13 13-0504	EA	28' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,862.76 -240.01 140.80 204.81	194.02



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0505	EA	30' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,099.86 -257.15 150.86 219.44	242.56
32 31	13 13-0506		10' Fence Height <small>(32 31 13 13-0405)</small>		
32 31	13 13-0507	EA	3' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	219.59 -24.86 14.58 21.21	28.97
32 31	13 13-0508	EA	4' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	263.78 -33.14 19.44 28.28	28.97
32 31	13 13-0509	EA	5' Wide x 10' High Gate Single Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	297.08 -38.67 22.69 33.00	30.23
32 31	13 13-0510	EA	6' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	348.47 -44.19 25.93 37.71	37.59
32 31	13 13-0511	EA	7' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	399.08 -49.72 29.17 42.43	44.56
32 31	13 13-0512	EA	8' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	450.47 -55.24 32.41 47.14	51.93
32 31	13 13-0513	EA	9' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	501.08 -60.77 35.65 51.86	58.97
32 31	13 13-0514	EA	10' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	552.48 -66.29 38.89 56.57	66.25
32 31	13 13-0515	EA	10' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	761.56 -99.44 58.34 84.85	77.03
32 31	13 13-0516	EA	12' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	885.32 -119.32 70.00 101.82	82.85
32 31	13 13-0517	EA	14' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,012.23 -139.21 81.67 118.79	89.86
32 31	13 13-0518	EA	16' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,142.70 -159.10 93.34 135.76	97.97
32 31	13 13-0519	EA	18' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,278.32 -178.99 105.00 152.73	107.81
32 31	13 13-0520	EA	20' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,420.18 -198.87 116.67 169.70	119.73
32 31	13 13-0521	EA	22' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,571.38 -218.76 128.34 186.68	134.75
32 31	13 13-0522	EA	24' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,734.96 -238.65 140.01 203.64	153.87
32 31	13 13-0523	EA	26' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,918.40 -258.53 151.67 220.62	179.64
32 31	13 13-0524	EA	28' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,131.80 -278.42 163.34 237.59	215.42
32 31	13 13-0525	EA	30' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,400.30 -298.31 175.01 254.56	269.50

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0526		12' Fence Height <small>(32 31 13 13-0405)</small>		
32 31 13 13-0527	EA	3' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	281.58	32.19
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-34.67	
		For Gate With Single Barb Wire Arm, Add	20.34	
		For Gate With Double Barb Wire Arm, Add	29.58	
32 31 13 13-0528	EA	4' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	343.04	32.19
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-46.19	
		For Gate With Single Barb Wire Arm, Add	27.10	
		For Gate With Double Barb Wire Arm, Add	39.42	
32 31 13 13-0529	EA	5' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	392.32	33.36
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-54.77	
		For Gate With Single Barb Wire Arm, Add	32.13	
		For Gate With Double Barb Wire Arm, Add	46.73	
32 31 13 13-0530	EA	6' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	454.69	41.43
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-61.91	
		For Gate With Single Barb Wire Arm, Add	36.32	
		For Gate With Double Barb Wire Arm, Add	52.83	
32 31 13 13-0531	EA	7' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	521.30	49.58
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-69.84	
		For Gate With Single Barb Wire Arm, Add	40.98	
		For Gate With Double Barb Wire Arm, Add	59.60	
32 31 13 13-0532	EA	8' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	587.13	57.40
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-77.78	
		For Gate With Single Barb Wire Arm, Add	45.63	
		For Gate With Double Barb Wire Arm, Add	66.37	
32 31 13 13-0533	EA	9' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	653.74	65.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-85.72	
		For Gate With Single Barb Wire Arm, Add	50.29	
		For Gate With Double Barb Wire Arm, Add	73.15	
32 31 13 13-0534	EA	10' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	716.11	73.54
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-92.86	
		For Gate With Single Barb Wire Arm, Add	54.48	
		For Gate With Double Barb Wire Arm, Add	79.24	
32 31 13 13-0535	EA	10' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	999.48	85.59
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-139.25	
		For Gate With Single Barb Wire Arm, Add	81.69	
		For Gate With Double Barb Wire Arm, Add	118.82	
32 31 13 13-0536	EA	12' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,191.87	92.14
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-171.63	
		For Gate With Single Barb Wire Arm, Add	100.69	
		For Gate With Double Barb Wire Arm, Add	146.45	
32 31 13 13-0537	EA	14' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,368.50	99.79
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-200.39	
		For Gate With Single Barb Wire Arm, Add	117.56	
		For Gate With Double Barb Wire Arm, Add	171.00	
32 31 13 13-0538	EA	16' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,548.06	108.80
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-228.96	
		For Gate With Single Barb Wire Arm, Add	134.33	
		For Gate With Double Barb Wire Arm, Add	195.38	
32 31 13 13-0539	EA	18' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,731.19	119.82
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-257.15	
		For Gate With Single Barb Wire Arm, Add	150.86	
		For Gate With Double Barb Wire Arm, Add	219.44	
32 31 13 13-0540	EA	20' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,923.21	133.02
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-285.73	
		For Gate With Single Barb Wire Arm, Add	167.63	
		For Gate With Double Barb Wire Arm, Add	243.82	
32 31 13 13-0541	EA	22' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,125.89	149.69
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-314.30	
		For Gate With Single Barb Wire Arm, Add	184.39	
		For Gate With Double Barb Wire Arm, Add	268.20	
32 31 13 13-0542	EA	24' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,342.18	170.99
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-342.87	
		For Gate With Single Barb Wire Arm, Add	201.15	
		For Gate With Double Barb Wire Arm, Add	292.59	
32 31 13 13-0543	EA	26' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,585.61	199.67
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-372.40	
		For Gate With Single Barb Wire Arm, Add	218.47	
		For Gate With Double Barb Wire Arm, Add	317.78	
32 31 13 13-0544	EA	28' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,857.27	239.37
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-400.97	
		For Gate With Single Barb Wire Arm, Add	235.24	
		For Gate With Double Barb Wire Arm, Add	342.16	
32 31 13 13-0545	EA	30' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	3,190.15	299.46
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-429.54	
		For Gate With Single Barb Wire Arm, Add	252.00	
		For Gate With Double Barb Wire Arm, Add	366.54	

32 31 13 13-0546 Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0263)

Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, rails, wheel, rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.

32 31 13 13-0547 4' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0546)



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0548	EA	10' Long x 4' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	1,719.95 124.17 338.65	295.54
32 31 13	13-0549	EA	12' Long x 4' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,068.13 149.00 406.37	356.82
32 31 13	13-0550	EA	14' Long x 4' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,412.98 173.84 474.11	416.28
32 31 13	13-0551	EA	16' Long x 4' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,763.01 198.67 541.83	478.46
32 31 13	13-0552	EA	18' Long x 4' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,108.42 223.51 609.56	538.28
32 31 13	13-0553	EA	20' Long x 4' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,442.79 248.34 677.29	592.54
32 31 13	13-0554	EA	24' Long x 4' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,116.37 295.82 806.78	713.55
32 31 13	13-0555	EA	30' Long x 4' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	6,080.21 372.51 1,015.94	1,346.88
32 31 13	13-0556	EA	40' Long x 4' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	8,106.94 496.68 1,354.58	1,795.84
32 31 13 13-0557 5' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0546)					
32 31 13	13-0558	EA	10' Long x 5' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	1,805.33 127.82 348.60	321.68
32 31 13	13-0559	EA	12' Long x 5' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,165.50 153.38 418.32	385.59
32 31 13	13-0560	EA	14' Long x 5' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,526.26 178.95 488.04	449.78
32 31 13	13-0561	EA	16' Long x 5' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,887.41 204.51 557.76	514.15
32 31 13	13-0562	EA	18' Long x 5' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,248.12 230.07 627.47	578.25
32 31 13	13-0563	EA	20' Long x 5' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,609.08 255.64 697.20	642.53
32 31 13	13-0564	EA	24' Long x 5' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,312.18 304.52 830.50	771.91
32 31 13	13-0565	EA	30' Long x 5' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	5,413.96 383.46 1,045.79	964.02
32 31 13	13-0566	EA	40' Long x 5' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	7,218.16 511.28 1,394.39	1,285.06
32 31 13 13-0567 6' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0546)					
32 31 13	13-0568	EA	10' Long x 6' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	1,939.40 130.37 355.57	377.13
32 31 13	13-0569	EA	12' Long x 6' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,324.63 156.45 426.68	451.15
32 31 13	13-0570	EA	14' Long x 6' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,711.88 182.52 497.79	526.26
32 31 13	13-0571	EA	16' Long x 6' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,099.50 208.60 568.91	601.56
32 31 13	13-0572	EA	18' Long x 6' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,486.77 234.67 640.02	676.67
32 31 13	13-0573	EA	20' Long x 6' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,879.11 260.75 711.13	754.34
32 31 13	13-0574	EA	24' Long x 6' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,628.38 310.60 847.10	902.38
32 31 13	13-0575	EA	30' Long x 6' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	5,812.12 391.12 1,066.70	1,128.27

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0576	EA	40' Long x 6' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	7,748.26 521.50 1,422.26	1,503.67
32 31	13 13-0577		7' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0546)		
32 31	13 13-0578	EA	10' Long x 7' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,072.96 135.48 369.50	420.64
32 31	13 13-0579	EA	12' Long x 7' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,486.89 162.58 443.41	504.41
32 31	13 13-0580	EA	14' Long x 7' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,902.18 189.68 517.30	588.91
32 31	13 13-0581	EA	16' Long x 7' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,316.04 216.77 591.20	672.67
32 31	13 13-0582	EA	18' Long x 7' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,730.69 243.87 665.10	756.89
32 31	13 13-0583	EA	20' Long x 7' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,144.75 270.97 739.00	840.74
32 31	13 13-0584	EA	24' Long x 7' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,952.01 322.77 880.29	1,008.82
32 31	13 13-0585	EA	30' Long x 7' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	6,217.12 406.45 1,108.50	1,261.02
32 31	13 13-0586	EA	40' Long x 7' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	8,289.48 541.93 1,478.00	1,681.39
32 31	13 13-0587		8' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0546)		
32 31	13 13-0588	EA	10' Long x 8' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,179.55 139.50 380.45	455.70
32 31	13 13-0589	EA	12' Long x 8' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,612.85 167.40 456.54	545.57
32 31	13 13-0590	EA	14' Long x 8' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,048.38 195.30 532.63	636.52
32 31	13 13-0591	EA	16' Long x 8' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,484.08 223.20 608.72	727.48
32 31	13 13-0592	EA	18' Long x 8' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,918.78 251.09 684.80	818.07
32 31	13 13-0593	EA	20' Long x 8' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,354.55 278.99 760.89	909.12
32 31	13 13-0594	EA	24' Long x 8' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	5,203.37 332.34 906.38	1,091.03
32 31	13 13-0595	EA	30' Long x 8' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	6,532.52 418.49 1,141.34	1,364.00
32 31	13 13-0596	EA	40' Long x 8' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	8,707.31 557.99 1,521.79	1,817.33
32 31	13 13-0597		9' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0546)		
32 31	13 13-0598	EA	10' Long x 9' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,305.54 144.24 393.38	497.13
32 31	13 13-0599	EA	12' Long x 9' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,762.94 173.09 472.06	594.73
32 31	13 13-0600	EA	14' Long x 9' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,223.21 201.94 550.74	693.70
32 31	13 13-0601	EA	16' Long x 9' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,684.26 230.79 629.42	793.12
32 31	13 13-0602	EA	18' Long x 9' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,144.70 259.63 708.09	892.19
32 31	13 13-0603	EA	20' Long x 9' High Chain Link Galvanized Steel Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,605.13 288.48 786.77	991.25



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0604 EA 24' Long x 9' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	5,502.80 343.64 937.20	1,189.37
32 31 13 13-0605 EA 30' Long x 9' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	6,906.88 432.72 1,180.16	1,486.56
32 31 13 13-0606 EA 40' Long x 9' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	9,212.41 576.97 1,573.55	1,983.67
32 31 13 13-0607 10' High Chain Link Galvanized Steel Sliding Gate <small>(32 31 13 13-0546)</small>		
32 31 13 13-0608 EA 10' Long x 10' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,461.36 150.44 410.30	546.84
32 31 13 13-0609 EA 12' Long x 10' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,953.64 180.53 492.37	656.19
32 31 13 13-0610 EA 14' Long x 10' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,446.28 210.62 574.43	765.72
32 31 13 13-0611 EA 16' Long x 10' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,938.39 240.71 656.49	875.07
32 31 13 13-0612 EA 18' Long x 10' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,430.45 270.80 738.55	984.33
32 31 13 13-0613 EA 20' Long x 10' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,922.73 300.89 820.61	1,093.67
32 31 13 13-0614 EA 24' Long x 10' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	5,884.14 358.42 977.51	1,312.92
32 31 13 13-0615 EA 30' Long x 10' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	7,384.09 451.34 1,230.92	1,640.52
32 31 13 13-0616 EA 40' Long x 10' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	9,842.83 601.78 1,641.23	2,186.08
32 31 13 13-0617 Sliding Cantilever Gate, Single Track, Manually Operated Exposed Roller <small>(32 31 13 13-0263)</small>		
<p>Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, rails, wheel rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, single track, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate. See CSI section 32 31 11 00-0020 for gate operators.</p>		
32 31 13 13-0618 EA 5' High x 10' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	3,512.58 306.26 445.47 1,336.41 584.68 835.26	364.19
32 31 13 13-0619 EA 5' High x 12' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	3,884.21 327.11 475.80 1,427.39 624.48 892.12	455.25
32 31 13 13-0620 EA 5' High x 15' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	4,258.43 348.24 506.54 1,519.61 664.83 949.76	546.29
32 31 13 13-0621 EA 5' High x 20' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	5,044.74 394.68 574.07 1,722.22 753.47 1,076.39	728.39
32 31 13 13-0622 EA 6' High x 15' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	4,717.23 358.65 521.67 1,565.02 684.69 978.14	728.39
32 31 13 13-0623 EA 6' High x 20' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	5,583.94 403.91 587.51 1,762.52 771.10 1,101.58	956.01

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0624 EA 6' High x 25' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	7,357.93 548.97 798.51 2,395.52 1,048.04 1,497.20	1,183.64
32 31 13 13-0625 EA 6' High x 30' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	8,330.33 605.86 881.25 2,643.75 1,156.64 1,652.35	1,411.26
32 31 13 13-0626 EA 8' High x 15' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	5,551.28 410.33 596.85 1,790.55 783.37 1,119.09	910.49
32 31 13 13-0627 EA 8' High x 20' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	6,658.68 462.04 672.06 2,016.18 882.08 1,260.11	1,229.16
32 31 13 13-0628 EA 8' High x 25' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	8,804.54 627.98 913.42 2,740.26 1,198.86 1,712.66	1,547.83
32 31 13 13-0629 EA 8' High x 30' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	9,941.69 692.97 1,007.96 3,023.88 1,322.95 1,889.92	1,820.97
32 31 13 13-0630 Gate Accessories <small>(32 31 13 13-0630)</small>		
32 31 13 13-0631 EA Gate Center Stop, Cast Steel, Ground.....	27.14	
32 31 13 13-0632 EA Gate Latch, Malleable Galvanized Steel.....	33.27	
32 31 13 13-0633 EA Gate Keeper, Full Length, Galvanized Steel.....	147.12	
32 31 13 13-0634 EA Gate Keeper Hold-Open For Cantilever Gate.....	67.91	14.88
32 31 13 13-0635 EA Heavy Duty Gate Latch, Malleable Galvanized Steel.....	38.69	
32 31 13 13-0636 EA Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 3' To 5' High Gate.....	780.52	
32 31 13 13-0637 EA Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >5' To 8' High Gate.....	836.85	
32 31 13 13-0638 EA Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >8' To 12' High Gate.....	893.18	
32 31 13 13-0639 Tube Gate <small>(32 31 13 13-0639)</small>		
32 31 13 13-0640 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate <small>(32 31 13 13-0639)</small>		
Note: Round top edges. Includes lag bolt hinges, lock plate and hardware. Excludes bollard and chain.		
32 31 13 13-0641 EA 4' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate..... <i>For 13 Gauge Tubing, Add</i> <i>For Galvanized Finish, Add</i>	131.07 19.95 10.26	21.14
32 31 13 13-0642 EA 6' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate..... <i>For 13 Gauge Tubing, Add</i> <i>For Galvanized Finish, Add</i>	170.60 25.90 13.26	27.41
32 31 13 13-0643 EA 8' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate..... <i>For 13 Gauge Tubing, Add</i> <i>For Galvanized Finish, Add</i>	228.58 35.14 18.43	35.24
32 31 13 13-0644 EA 10' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate..... <i>For 13 Gauge Tubing, Add</i> <i>For Galvanized Finish, Add</i>	267.07 40.10 20.09	43.86
32 31 13 13-0645 EA 12' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate..... <i>For 13 Gauge Tubing, Add</i> <i>For Galvanized Finish, Add</i>	316.44 47.63 23.97	52.16
32 31 13 13-0646 EA 14' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate..... <i>For 13 Gauge Tubing, Add</i> <i>For Galvanized Finish, Add</i>	347.10 51.80 25.63	58.73
32 31 13 13-0647 EA 16' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate..... <i>For 13 Gauge Tubing, Add</i> <i>For Galvanized Finish, Add</i>	406.53 60.94 30.44	67.74
32 31 13 13-0648 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate <small>(32 31 13 13-0639)</small>		
Note: Round top edges. Includes lag bolt hinges, lock plate and hardware.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0649 EA 4' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	165.46	21.14
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	41.12	
32 31 13 13-0650 EA 6' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	200.22	27.41
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	47.20	
32 31 13 13-0651 EA 8' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	241.55	35.24
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	54.33	
32 31 13 13-0652 EA 10' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	281.84	43.86
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	59.48	
32 31 13 13-0653 EA 12' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	321.39	52.16
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	65.90	
32 31 13 13-0654 EA 14' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	356.87	58.73
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	72.26	
32 31 13 13-0655 EA 16' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	400.73	67.74
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	78.84	
32 31 13 13-0656 EA 18' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	459.53	76.24
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	91.40	
32 31 13 13-0657 EA 20' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	505.03	85.29
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	108.04	
32 31 13 13-0658 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate		
<i>(32 31 13 13-0639)</i>		
Note: Round top edges. Includes lag bolt hinges, lock plate and hardware.		
32 31 13 13-0659 EA 4' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	177.50	21.14
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	45.94	
32 31 13 13-0660 EA 6' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	212.06	27.41
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	51.93	
32 31 13 13-0661 EA 8' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	249.58	35.24
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	57.54	
32 31 13 13-0662 EA 10' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	293.55	43.86
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	64.17	
32 31 13 13-0663 EA 12' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	329.85	52.16
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	69.29	
32 31 13 13-0664 EA 14' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	376.63	58.73
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	80.17	
32 31 13 13-0665 EA 16' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	422.19	67.74
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	87.43	
32 31 13 13-0666 EA 18' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	492.28	76.24
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	104.50	
32 31 13 13-0667 EA 20' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	534.47	85.29
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	119.81	
32 31 13 13-0668 Tubular Steel Barrier Gate (Triangular Shape)		
<i>(32 31 13 13-0639)</i>		
Note: Includes posts, caps, welded hinges and lock keeper. Excludes augering, concrete, and bollards.		
32 31 13 13-0669 EA 4' High x 10' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post.....	1,356.34	43.86
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	419.04	
32 31 13 13-0670 EA 4' High x 12' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post.....	1,475.58	52.16
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	449.10	
32 31 13 13-0671 EA 4' High x 14' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post.....	1,742.92	58.73
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	540.37	
32 31 13 13-0672 EA 4' High x 10' Wide Opening Tubular Galvanized Steel Barrier Gate With 4" Diameter Post.....	1,400.49	43.86
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	436.46	
32 31 13 13-0673 EA 4' High x 12' Wide Opening Tubular Galvanized Steel Barrier Gate With 4" Diameter Post.....	1,526.04	52.16
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	469.01	
32 31 13 13-0674 EA 4' High x 14' Wide Opening Tubular Galvanized Steel Barrier Gate With 4" Diameter Post.....	1,793.38	58.73
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	560.28	
32 31 13 13-0675 Four Rail Tube Gate, 1-1/2" Diameter Welded Galvanized Steel Tubing		
<i>(32 31 13 13-0639)</i>		
Note: Excludes augering holes and concrete.		
32 31 13 13-0676 EA 4' Four Rail Metal Frame Tube Gate, 1-1/2" Diameter Welded Galvanized Steel With Posts.....	337.68	21.14
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	22.30	
32 31 13 13-0677 Tubular Horse Gate		
<i>(32 31 13 13-0639)</i>		
Note: Includes posts, caps and hardware. Treated with Natina (or Equal) galvanized surface stain "rustic brown finish". Excludes augering holes and concrete.		
32 31 13 13-0678 EA 5-1/2' Above Ground, 5' Wide Tubular Galvanized Steel Horse Gate With 3" Diameter Posts.....	2,629.52	21.14
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	754.21	
32 31 13 13-0679 Pipe Gate		
<i>(32 31 13 13-0263)</i>		
32 31 13 13-0680 EA 20' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier).....	2,314.12	
32 31 13 13-0681 EA 25' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier).....	2,887.09	
32 31 13 13-0682 EA 30' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier).....	3,435.17	
32 31 13 13-0683 Vertical-Pivot Lift Gate		
<i>(32 31 13 13-0263)</i>		
Note: Includes 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes operator. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate.		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0684 EA 5' High x 12' Wide Galvanized Vertical-Pivot Lift Gate..... <i>For Curb Notch, Add</i> <i>For Prewired Loop Kit, Add</i>	13,168.73 239.00 245.00	682.86
32 31 13 13-0685 EA 5' High x 14' Wide Galvanized Vertical-Pivot Lift Gate..... <i>For Curb Notch, Add</i> <i>For Prewired Loop Kit, Add</i>	13,441.87 239.00 245.00	819.44
32 31 13 13-0686 EA 5' High x 16' Wide Galvanized Vertical-Pivot Lift Gate..... <i>For Curb Notch, Add</i> <i>For Prewired Loop Kit, Add</i> <i>For Wind Bracing, Add</i>	13,715.02 239.00 245.00 287.50	956.01
32 31 13 13-0687 EA 5' High x 18' Wide Galvanized Vertical-Pivot Lift Gate..... <i>For Curb Notch, Add</i> <i>For Prewired Loop Kit, Add</i> <i>For Wind Bracing, Add</i>	14,136.16 239.00 245.00 317.50	1,092.58
32 31 13 13-0688 EA 5' High x 20' Wide Galvanized Vertical-Pivot Lift Gate..... <i>For Curb Notch, Add</i> <i>For Prewired Loop Kit, Add</i> <i>For Wind Bracing, Add</i>	14,549.91 239.00 245.00 317.50	1,229.16
32 31 13 13-0689 EA 6' High x 12' Wide Galvanized Vertical-Pivot Lift Gate..... <i>For Curb Notch, Add</i> <i>For Prewired Loop Kit, Add</i>	13,867.05 239.00 245.00	887.73
32 31 13 13-0690 EA 6' High x 14' Wide Galvanized Vertical-Pivot Lift Gate..... <i>For Curb Notch, Add</i> <i>For Prewired Loop Kit, Add</i>	14,140.19 239.00 245.00	1,024.30
32 31 13 13-0691 EA 6' High x 16' Wide Galvanized Vertical-Pivot Lift Gate..... <i>For Curb Notch, Add</i> <i>For Prewired Loop Kit, Add</i> <i>For Wind Bracing, Add</i>	14,413.34 239.00 245.00 287.50	1,160.87
32 31 13 13-0692 EA 6' High x 18' Wide Galvanized Vertical-Pivot Lift Gate..... <i>For Curb Notch, Add</i> <i>For Prewired Loop Kit, Add</i> <i>For Wind Bracing, Add</i>	14,767.88 239.00 245.00 317.50	1,297.45
32 31 13 13-0693 EA 6' High x 20' Wide Galvanized Vertical-Pivot Lift Gate..... <i>For Curb Notch, Add</i> <i>For Prewired Loop Kit, Add</i> <i>For Wind Bracing, Add</i>	15,248.24 239.00 245.00 317.50	1,434.02
32 31 13 13-0694 Accessories <small>(32 31 13 13)</small>		
32 31 13 13-0695 Barbed And Concertina Wire <small>(32 31 13 13-0694)</small>		
32 31 13 13-0696 Single Strand Barbed Wire <small>(32 31 13 13-0695)</small>		
32 31 13 13-0697 LF Galvanized Barbed Wire, Per Strand..... Note: Includes clips. 4 points 12-1/2 Gauge, Class I. <i>For >500 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	0.83 -0.08 -0.12	0.39
32 31 13 13-0698 LF Vinyl Coated Barbed Wire (Fused), Per Strand..... Note: Includes clips. <i>For >500 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	0.91 -0.08 -0.13	0.39
32 31 13 13-0699 EA Barbed Wire Extension Arms 3 Strands (Single Arm).....	8.45	6.27
32 31 13 13-0700 EA Barbed Wire Extension Arms 6 Strands (Double Arm).....	12.86	7.52
32 31 13 13-0701 EA Barbed Wire Eye Tops (For Single Strand).....	9.09	6.27
32 31 13 13-0702 Galvanized Steel Concertina (Razor) Wire, Single Coil <small>(32 31 13 13-0695)</small>		
32 31 13 13-0703 LF 18" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence..... <i>For >500 To 1,500, Deduct</i> <i>For >1,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i> <i>For Ground Installation, Deduct</i> <i>For Double Coil (Helix), Add</i>	2.78 -0.25 -0.50 -0.71 -0.39 2.00	0.55
32 31 13 13-0704 LF 18" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence..... <i>For >500 To 1,500, Deduct</i> <i>For >1,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i> <i>For Ground Installation, Deduct</i> <i>For Double Coil (Helix), Add</i>	4.18 -0.37 -0.74 -1.07 -0.59 3.01	0.55
32 31 13 13-0705 LF 18" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence..... <i>For >500 To 1,500, Deduct</i> <i>For >1,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i> <i>For Ground Installation, Deduct</i> <i>For Double Coil (Helix), Add</i>	5.55 -0.49 -0.99 -1.42 -0.78 3.99	0.55
32 31 13 13-0706 LF 24" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence..... <i>For >500 To 1,500, Deduct</i> <i>For >1,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i> <i>For Ground Installation, Deduct</i> <i>For Double Coil (Helix), Add</i>	3.44 -0.30 -0.60 -0.86 -0.44 2.57	0.55



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0707 LF 24" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	5.18	0.55
For >500 To 1,500, Deduct	-0.45	
For >1,500 To 5,000, Deduct	-0.91	
For >5,000, Deduct	-1.30	
For Ground Installation, Deduct	-0.65	
For Double Coil (Helix), Add	3.88	
32 31 13 13-0708 LF 24" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	6.85	0.55
For >500 To 1,500, Deduct	-0.60	
For >1,500 To 5,000, Deduct	-1.20	
For >5,000, Deduct	-1.72	
For Ground Installation, Deduct	-0.87	
For Double Coil (Helix), Add	5.12	
32 31 13 13-0709 LF 30" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	8.61	0.55
For >500 To 1,500, Deduct	-0.69	
For >1,500 To 5,000, Deduct	-1.39	
For >5,000, Deduct	-1.92	
For Ground Installation, Deduct	-0.49	
For Double Coil (Helix), Add	7.63	
32 31 13 13-0710 LF 30" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	13.00	0.55
For >500 To 1,500, Deduct	-1.05	
For >1,500 To 5,000, Deduct	-2.10	
For >5,000, Deduct	-2.89	
For Ground Installation, Deduct	-0.73	
For Double Coil (Helix), Add	11.54	
32 31 13 13-0711 LF 30" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	17.21	0.55
For >500 To 1,500, Deduct	-1.39	
For >1,500 To 5,000, Deduct	-2.78	
For >5,000, Deduct	-3.83	
For Ground Installation, Deduct	-0.98	
For Double Coil (Helix), Add	15.25	
32 31 13 13-0712 Stainless Steel Concertina (Razor) Wire, Single Coil <small>(32 31 13 13-0695)</small>		
32 31 13 13-0713 LF 18" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	3.51	0.55
For >500 To 1,500, Deduct	-0.30	
For >1,500 To 5,000, Deduct	-0.61	
For >5,000, Deduct	-0.86	
For Ground Installation, Deduct	-0.39	
For Double Coil (Helix), Add	2.73	
32 31 13 13-0714 LF 18" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	5.28	0.55
For >500 To 1,500, Deduct	-0.45	
For >1,500 To 5,000, Deduct	-0.91	
For >5,000, Deduct	-1.29	
For Ground Installation, Deduct	-0.59	
For Double Coil (Helix), Add	4.11	
32 31 13 13-0715 LF 18" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	7.00	0.55
For >500 To 1,500, Deduct	-0.60	
For >1,500 To 5,000, Deduct	-1.21	
For >5,000, Deduct	-1.71	
For Ground Installation, Deduct	-0.78	
For Double Coil (Helix), Add	5.44	
32 31 13 13-0716 LF 24" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	4.41	0.55
For >500 To 1,500, Deduct	-0.37	
For >1,500 To 5,000, Deduct	-0.75	
For >5,000, Deduct	-1.06	
For Ground Installation, Deduct	-0.44	
For Double Coil (Helix), Add	3.54	
32 31 13 13-0717 LF 24" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	6.64	0.55
For >500 To 1,500, Deduct	-0.56	
For >1,500 To 5,000, Deduct	-1.13	
For >5,000, Deduct	-1.59	
For Ground Installation, Deduct	-0.65	
For Double Coil (Helix), Add	5.34	
32 31 13 13-0718 LF 24" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	8.78	0.55
For >500 To 1,500, Deduct	-0.75	
For >1,500 To 5,000, Deduct	-1.49	
For >5,000, Deduct	-2.10	
For Ground Installation, Deduct	-0.87	
For Double Coil (Helix), Add	7.05	
32 31 13 13-0719 LF 30" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	12.27	0.55
For >500 To 1,500, Deduct	-0.97	
For >1,500 To 5,000, Deduct	-1.94	
For >5,000, Deduct	-2.65	
For Ground Installation, Deduct	-0.49	
For Double Coil (Helix), Add	11.29	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0720	LF	30" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	18.55	0.55
			<i>For >500 To 1,500, Deduct</i>	-1.46	
			<i>For >1,500 To 5,000, Deduct</i>	-2.93	
			<i>For >5,000, Deduct</i>	-4.00	
			<i>For Ground Installation, Deduct</i>	-0.73	
			<i>For Double Coil (Helix), Add</i>	17.09	
32 31 13	13-0721	LF	30" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	24.54	0.55
			<i>For >500 To 1,500, Deduct</i>	-1.94	
			<i>For >1,500 To 5,000, Deduct</i>	-3.88	
			<i>For >5,000, Deduct</i>	-5.30	
			<i>For Ground Installation, Deduct</i>	-0.98	
			<i>For Double Coil (Helix), Add</i>	22.58	
32 31 13	13-0722		Grounding For Gates <small>(32 31 13 13-0694)</small>		
			Note: Includes two of each of the following per opening: 5/8 ground rods, clamps, braided straps and #6 bare copper wire.		
32 31 13	13-0723	OPN	Grounding For Gates (Per Opening)	378.05	
32 31 13	13-0724		Coiled Spring Reinforcing Wire <small>(32 31 13 13-0694)</small>		
32 31 13	13-0725		Galvanized Steel <small>(32 31 13 13-0724)</small>		
32 31 13	13-0726	LF	7 Gauge, Galvanized Steel, Reinforcing Wire Coiled Spring	0.89	0.39
32 31 13	13-0727		Vinyl Coated Steel <small>(32 31 13 13-0724)</small>		
32 31 13	13-0728	LF	9 Gauge, Vinyl Coated Steel, Reinforcing Wire Coiled Spring	0.89	0.39
32 31 13	13-0729		Bending Of Fabric Around Pipe Railings <small>(32 31 13 13-0694)</small>		
			Note: Only where specified.		
32 31 13	13-0730	LF	Bend Chain Link Fence Fabric Around Pipe Railing, Top	1.25	
32 31 13	13-0731	LF	Bend Chain Link Fence Fabric Around Pipe Railing, Bottom	1.09	
32 31 13	13-0732		Mounting Plate With Anchors Or Bolts <small>(32 31 13 13-0694)</small>		
			Note: For drilling for anchor or bolts, installing post on or against flat surface.		
32 31 13	13-0733	EA	Mounting Plate For 1-5/8" Diameter Post	29.77	
32 31 13	13-0734	EA	Mounting Plate For 2" Diameter Post	30.20	
32 31 13	13-0735	EA	Mounting Plate For 2-1/2" Diameter Post	31.13	
32 31 13	13-0736	EA	Mounting Plate For 3" Diameter Post	37.10	
32 31 13	13-0737	EA	Mounting Plate For 4" Diameter Post	42.40	
32 31 13	13-0738	EA	Mounting Plate For 6-5/8" Diameter Post	48.78	
32 31 13	13-0739	EA	Mounting Plate For 8-5/8" Diameter Post	57.17	
32 31 13	13-0740		Tension Bar <small>(32 31 13 13-0694)</small>		
32 31 13	13-0741	EA	3' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar	11.00	
32 31 13	13-0742	EA	3-1/2' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar	11.67	
32 31 13	13-0743	EA	4' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	13.96	
32 31 13	13-0744	EA	5' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	16.00	
32 31 13	13-0745	EA	6' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	18.64	
32 31 13	13-0746	EA	7' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	21.38	
32 31 13	13-0747	EA	8' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	24.11	
32 31 13	13-0748	EA	9' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	28.56	
32 31 13	13-0749	EA	10' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	34.11	
32 31 13	13-0750		Truss Rods <small>(32 31 13 13-0694)</small>		
32 31 13	13-0751	LF	3/8" Diameter Truss Rods	1.48	0.44
32 31 13	13-0752		Fence And Gate Repair And Replacement <small>(32 31 13 13)</small>		
32 31 13	13-0753		Fence And Gate Parts Replacement <small>(32 31 13 13-0752)</small>		
32 31 13	13-0754	EA	Cantilever Roller Assembly, Ball Bearing With Fittings, Replacement	83.74	
32 31 13	13-0755	EA	Sliding Gate Roller Assembly Replacement	84.74	
32 31 13	13-0756	EA	Rod And Lock Gate Keeper Replacement	81.77	
32 31 13	13-0757	EA	Galvanized Gate Holdback Replacement	20.04	
32 31 13	13-0758	LF	3/8" Cross Bracing Rod Replacement	1.09	
32 31 13	13-0759	LF	1-5/8" Diagonal Pipe Bracing Replacement	1.65	
32 31 13	13-0760	EA	2-3/8" Diameter Cast Steel Gate Hinge With Bolts, Replacement	20.16	
32 31 13	13-0761	EA	3" Diameter Cast Steel Gate Hinge With Bolts, Replacement	22.02	
32 31 13	13-0762	EA	4" Diameter Cast Steel Gate Hinge With Bolts, Replacement	24.24	
32 31 13	13-0763	EA	6-5/8" Diameter Cast Steel Gate Hinge With Bolts, Replacement	52.27	
32 31 13	13-0764	EA	8-5/8" Diameter Cast Steel Gate Hinge With Bolts, Replacement	64.11	
32 31 13	13-0765	EA	2-1/2" x 2" Off Set Gate Hinge Replacement	17.85	
32 31 13	13-0766	EA	3" x 2" Off Set Gate Hinge Replacement	18.68	
32 31 13	13-0767	EA	4" x 2" Off Set Gate Hinge Replacement	19.96	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0768	EA		6-5/8" x 2" Off Set Gate Hinge Replacement.....	30.74	
32 31 13 13-0769	EA		8-5/8" x 2" Off Set Gate Hinge Replacement.....	46.57	
32 31 13 13-0770	EA		1-5/8" Aluminum Die-Cast Post Cap Replacement.....	4.29	
32 31 13 13-0771	EA		2" Aluminum Die-Cast Post Cap Replacement.....	4.70	
32 31 13 13-0772	EA		2-1/2" Aluminum Die-Cast Post Cap Replacement.....	5.41	
32 31 13 13-0773	EA		3" Aluminum Die-Cast Post Cap Replacement.....	6.23	
32 31 13 13-0774	EA		2" Galvanized Post Cap Replacement.....	4.81	
32 31 13 13-0775	EA		2-1/2" Galvanized Post Cap Replacement.....	5.23	
32 31 13 13-0776	EA		3" Galvanized Post Cap Replacement.....	5.96	
32 31 13 13-0777	EA		4" Galvanized Post Cap Replacement.....	8.36	
32 31 13 13-0778	EA		6-5/8" Galvanized Post Cap Replacement.....	14.41	
32 31 13 13-0779	EA		8-5/8" Galvanized Post Cap Replacement.....	23.05	
32 31 13 13-0780	EA		1-5/8" Boulevard Clamp Replacement.....	8.21	
32 31 13 13-0781	EA		2" Boulevard Clamp Replacement.....	9.98	
32 31 13 13-0782	EA		2-1/2" Boulevard Clamp Replacement.....	11.70	
32 31 13 13-0783	EA		3" Boulevard Clamp Replacement.....	14.20	
32 31 13 13-0784	EA		1-5/8" Gate Brace Or End Rail Clamp Replacement.....	8.09	
32 31 13 13-0785	EA		2" Gate Brace Or End Rail Clamp Replacement.....	9.81	
32 31 13 13-0786	EA		2-1/2" Gate Brace Or End Rail Clamp Replacement.....	11.53	
32 31 13 13-0787	EA		3" Gate Brace Or End Rail Clamp Replacement.....	14.02	
32 31 13 13-0788	EA		1-3/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	8.36	
32 31 13 13-0789	EA		1-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	8.41	
32 31 13 13-0790	EA		2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	8.56	
32 31 13 13-0791	EA		2-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	8.50	
32 31 13 13-0792	EA		3" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	8.60	
32 31 13 13-0793	EA		3-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	8.69	
32 31 13 13-0794	EA		4" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	8.95	
32 31 13 13-0795	EA		6-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	10.85	
32 31 13 13-0796			Remove And Reinstall Chain Link Fences <small>(32 31 13 13)</small>		
			Note: Includes removal, storage, cleaning and reinstallation of fence fabric, rails and other components. Excludes post work.		
32 31 13 13-0797	LF		Removal And Reinstallation Of Chain Link Fence Up To 5' Height.....	15.67	
32 31 13 13-0798	LF		Removal And Reinstallation Of Chain Link Fence 6' To 12' Height.....	23.49	
32 31 13 33			Chain Link Backstops <small>(32 31 13)</small>		
32 31 13 33-0001			Regulation Baseball Backstop <small>(32 31 13 33)</small>		
			See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
32 31 13 33-0002	EA		20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Galvanized.....	8,142.22	1,585.48
32 31 13 33-0003	EA		34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Galvanized.....	11,663.26	2,113.98
32 31 13 33-0004	EA		48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Galvanized.....	14,756.43	2,466.31
32 31 13 33-0005	EA		20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Vinyl Coated.....	11,126.14	1,585.48
32 31 13 33-0006	EA		34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Vinyl Coated.....	16,128.14	2,113.98
32 31 13 33-0007	EA		48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Vinyl Coated.....	20,648.54	2,466.31
32 31 13 33-0008			Regulation Softball Backstop <small>(32 31 13 33)</small>		
			See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
32 31 13 33-0009			14' High Softball Backstop <small>(32 31 13 33-0008)</small>		
			Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0010	EA		14' Softball Backstop, Galvanized Regulation.....	7,085.65	1,583.43
32 31 13 33-0011	EA		14' Softball Backstop, Vinyl Coated Regulation.....	9,225.76	1,583.43
32 31 13 33-0012			18' High Softball Backstop <small>(32 31 13 33-0008)</small>		
			Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0013	EA		18' Softball Backstop, Galvanized Regulation.....	8,226.62	1,760.34
32 31 13 33-0014	EA		18' Softball Backstop Vinyl Coated Regulation.....	10,815.46	1,760.34
32 31 13 33-0015			20' High Softball Backstop <small>(32 31 13 33-0008)</small>		
			Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0016	EA		20' Softball Backstop, Galvanized Regulation.....	9,244.68	1,856.03
32 31 13 33-0017	EA		20' Softball Backstop, Vinyl Coated Regulation.....	12,316.81	1,856.03
32 31 13 33-0018			22' High Softball Backstop <small>(32 31 13 33-0008)</small>		
			Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0019	EA		22' Softball Backstop, Galvanized Regulation.....	10,570.18	1,912.02
32 31 13 33-0020	EA		22' Softball Backstop, Vinyl Coated Regulation.....	14,263.61	1,912.02
32 31 13 33-0021			24' High Softball Backstop <small>(32 31 13 33-0008)</small>		
			Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 33-0022 EA 24' Softball Backstop, Galvanized Regulation.....	12,481.65	2,185.16
32 31 13 33-0023 EA 24' Softball Backstop, Vinyl Coated Regulation.....	17,072.54	2,185.16
32 31 16 Welded Wire Fences And Gates (32 31)		
32 31 16 00-0001 Welded Wire Fence (32 31 16)		
32 31 16 00-0002 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh (32 31 16 00-0001) Note: Posts 5' on center.		
32 31 16 00-0003 LF 3' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'.....	7.46	1.41
32 31 16 00-0004 LF 5' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'.....	7.90	1.41
32 31 16 00-0005 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh (32 31 16 00-0001) Note: Posts 5' on center.		
32 31 16 00-0006 LF 3' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'.....	7.37	1.41
32 31 16 00-0007 LF 5' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'.....	7.76	1.41
32 31 19 Decorative Metal Fences And Gates (32 31)		
See CSI section 32 31 13 13-0001 for drilling and grouting.		
32 31 19 00-0001 Wrought Iron Fence (32 31 19) Note: Factory primed.		
32 31 19 00-0002 Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center (32 31 19 00-0001) Note: Factory primed.		
32 31 19 00-0003 LF 3' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center.....	38.06	8.62
For Verticals Up To 2" On Center, Add	4.17	
For Verticals >2" To 2-1/2" On Center, Add	2.08	
For Verticals >3" To 4" On Center, Deduct	-2.08	
For Verticals >4" To 6" On Center, Deduct	-4.17	
32 31 19 00-0004 LF 4' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center.....	48.77	10.97
For Verticals Up To 2" On Center, Add	5.52	
For Verticals >2" To 2-1/2" On Center, Add	2.76	
For Verticals >3" To 4" On Center, Deduct	-2.76	
For Verticals >4" To 6" On Center, Deduct	-5.52	
32 31 19 00-0005 LF 5' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center.....	57.84	11.44
For Verticals Up To 2" On Center, Add	6.96	
For Verticals >2" To 2-1/2" On Center, Add	3.48	
For Verticals >3" To 4" On Center, Deduct	-3.48	
For Verticals >4" To 6" On Center, Deduct	-6.96	
32 31 19 00-0006 LF 6' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center.....	70.01	13.79
For Verticals Up To 2" On Center, Add	8.48	
For Verticals >2" To 2-1/2" On Center, Add	4.24	
For Verticals >3" To 4" On Center, Deduct	-4.24	
For Verticals >4" To 6" On Center, Deduct	-8.48	
32 31 19 00-0007 LF 7' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center.....	81.86	14.58
For Verticals Up To 2" On Center, Add	10.54	
For Verticals >2" To 2-1/2" On Center, Add	5.27	
For Verticals >3" To 4" On Center, Deduct	-5.27	
For Verticals >4" To 6" On Center, Deduct	-10.54	
32 31 19 00-0008 LF 8' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center.....	93.67	15.35
For Verticals Up To 2" On Center, Add	12.59	
For Verticals >2" To 2-1/2" On Center, Add	6.30	
For Verticals >3" To 4" On Center, Deduct	-6.30	
For Verticals >4" To 6" On Center, Deduct	-12.59	
32 31 19 00-0009 LF 10' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center.....	113.78	17.23
For Verticals Up To 2" On Center, Add	15.86	
For Verticals >2" To 2-1/2" On Center, Add	7.93	
For Verticals >3" To 4" On Center, Deduct	-7.93	
For Verticals >4" To 6" On Center, Deduct	-15.86	
32 31 19 00-0010 LF 12' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center.....	134.40	19.57
For Verticals Up To 2" On Center, Add	19.05	
For Verticals >2" To 2-1/2" On Center, Add	9.52	
For Verticals >3" To 4" On Center, Deduct	-9.52	
For Verticals >4" To 6" On Center, Deduct	-19.05	
32 31 19 00-0011 Wrought Iron Gates (32 31 19 00-0001) Note: Factory primed.		
32 31 19 00-0012 Single Wrought Iron Gates (32 31 19 00-0011) Note: Factory primed.		
32 31 19 00-0013 LF 3' Single Wrought Iron Gate, Hardware And Associated Trim.....	46.82	10.50
32 31 19 00-0014 LF 4' Single Wrought Iron Gate, Hardware And Associated Trim.....	61.44	13.00
32 31 19 00-0015 LF 5' Single Wrought Iron Gate, Hardware And Associated Trim.....	74.99	15.67
32 31 19 00-0016 LF 6' Single Wrought Iron Gate, Hardware And Associated Trim.....	91.11	18.79
32 31 19 00-0017 LF 8' Single Wrought Iron Gate, Hardware And Associated Trim.....	121.70	20.83
32 31 19 00-0018 LF 10' Single Wrought Iron Gate, Hardware And Associated Trim.....	147.06	23.02
32 31 19 00-0019 LF 12' Single Wrought Iron Gate, Hardware And Associated Trim.....	171.95	26.15
32 31 19 00-0020 Double Wrought Iron Gates (32 31 19 00-0011) Note: Factory primed.		



Exterior Improvements	32	
Site Improvements	32	30
Fences And Gates	32	31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0021 LF 3' Double Wrought Iron Gate, Hardware And Associated Trim.....	57.19	9.40
32 31 19 00-0022 LF 4' Double Wrought Iron Gate, Hardware And Associated Trim.....	75.04	11.75
32 31 19 00-0023 LF 5' Double Wrought Iron Gate, Hardware And Associated Trim.....	91.23	14.10
32 31 19 00-0024 LF 6' Double Wrought Iron Gate, Hardware And Associated Trim.....	110.52	16.92
32 31 19 00-0025 LF 8' Double Wrought Iron Gate, Hardware And Associated Trim.....	148.31	18.79
32 31 19 00-0026 LF 10' Double Wrought Iron Gate, Hardware And Associated Trim.....	179.51	20.67
32 31 19 00-0027 LF 12' Double Wrought Iron Gate, Hardware And Associated Trim.....	210.26	23.49
32 31 19 00-0028 Repair Or Replace Wrought Iron Fence (32 31 19 00-0001)		
32 31 19 00-0029 LF Replace Wrought Iron Picket.....	15.25	
32 31 19 00-0030 LF Replace Wrought Iron Post.....	22.68	
32 31 19 00-0031 EA Straighten Wrought Iron Post.....	62.65	
32 31 19 00-0032 Steel Tube Fence, Powder Coated (32 31 19)		
Note: Pickets are 3/4" square x 16 gauge.		
32 31 19 00-0033 Steel Tube Fence, 2 Rail (32 31 19 00-0032)		
32 31 19 00-0034 LF 3' Steel Tube Fence, Verticals At >2-1/2" To 3' On Center With 2-1/2" Square Posts.....	55.64	8.62
For Verticals Up To 2" On Center, Add	7.75	
For Verticals >2" To 2-1/2" On Center, Add	3.88	
For Verticals >3" To 4" On Center, Deduct	-3.88	
For Verticals >4" To 6" On Center, Deduct	-7.75	
For Solid Pickets, Add	11.25	
For Aluminum With Satin Finish, Add	9.09	
For Third Rail, Add	2.91	
For 1" Square x 14 Gauge Pickets, Add	9.69	
For 3" Square Posts, Add	3.88	
32 31 19 00-0035 LF 3'-6" Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts.....	59.53	9.21
For Verticals Up To 2" On Center, Add	8.22	
For Verticals >2" To 2-1/2" On Center, Add	4.11	
For Verticals >3" To 4" On Center, Deduct	-4.11	
For Verticals >4" To 6" On Center, Deduct	-8.22	
For Solid Pickets, Add	12.01	
For Aluminum With Satin Finish, Add	9.57	
For Third Rail, Add	3.08	
For 1" Square x 14 Gauge Pickets, Add	10.28	
For 3" Square Posts, Add	4.11	
32 31 19 00-0036 LF 4' Steel Tube Fence, Verticals At >2-1/2" To 3' On Center With 2-1/2" Square Posts.....	62.99	10.18
For Verticals Up To 2" On Center, Add	8.61	
For Verticals >2" To 2-1/2" On Center, Add	4.30	
For Verticals >3" To 4" On Center, Deduct	-4.30	
For Verticals >4" To 6" On Center, Deduct	-8.61	
For Solid Pickets, Add	12.68	
For Aluminum With Satin Finish, Add	9.92	
For Third Rail, Add	3.23	
For 1" Square x 14 Gauge Pickets, Add	10.76	
For 3" Square Posts, Add	4.30	
32 31 19 00-0037 LF 5' Steel Tube Fence, Verticals At >2-1/2" To 3' On Center With 2-1/2" Square Posts.....	67.14	11.44
For Verticals Up To 2" On Center, Add	8.82	
For Verticals >2" To 2-1/2" On Center, Add	4.41	
For Verticals >3" To 4" On Center, Deduct	-4.41	
For Verticals >4" To 6" On Center, Deduct	-8.82	
For Solid Pickets, Add	13.38	
For Aluminum With Satin Finish, Add	9.78	
For Third Rail, Add	3.31	
For 1" Square x 14 Gauge Pickets, Add	11.03	
For 3" Square Posts, Add	4.41	
32 31 19 00-0038 LF 6' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts.....	77.84	12.93
For Verticals Up To 2" On Center, Add	10.40	
For Verticals >2" To 2-1/2" On Center, Add	5.20	
For Verticals >3" To 4" On Center, Deduct	-5.20	
For Verticals >4" To 6" On Center, Deduct	-10.40	
For Solid Pickets, Add	15.58	
For Aluminum With Satin Finish, Add	11.72	
For Third Rail, Add	3.90	
For 1" Square x 14 Gauge Pickets, Add	13.00	
For 3" Square Posts, Add	5.20	
32 31 19 00-0039 LF 7' Steel Tube Fence, Verticals At >2-1/2" To 3' On Center With 3" Square Posts.....	89.11	14.10
For Verticals Up To 2" On Center, Add	12.18	
For Verticals >2" To 2-1/2" On Center, Add	6.09	
For Verticals >3" To 4" On Center, Deduct	-6.09	
For Verticals >4" To 6" On Center, Deduct	-12.18	
For Solid Pickets, Add	17.94	
For Aluminum With Satin Finish, Add	14.05	
For Third Rail, Add	4.57	
For 1" Square x 14 Gauge Pickets, Add	15.23	
For 4" Square Posts, Add	21.32	

32 Exterior Improvements

32 30 Site Improvements

32 31 Fences And Gates



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0040	LF	8'	Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	100.54	15.35
			<i>For Verticals Up To 2" On Center, Add</i>	13.97	
			<i>For Verticals >2" To 2-1/2" On Center, Add</i>	6.98	
			<i>For Verticals >3" To 4" On Center, Deduct</i>	-6.98	
			<i>For Verticals >4" To 6" On Center, Deduct</i>	-13.97	
			<i>For Solid Pickets, Add</i>	20.32	
			<i>For Aluminum With Satin Finish, Add</i>	16.35	
			<i>For Third Rail, Add</i>	5.24	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	17.46	
			<i>For 4" Square Posts, Add</i>	24.44	
32 31 19 00-0041	LF	9'	Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	116.87	16.45
			<i>For Verticals Up To 2" On Center, Add</i>	16.80	
			<i>For Verticals >2" To 2-1/2" On Center, Add</i>	8.40	
			<i>For Verticals >3" To 4" On Center, Deduct</i>	-8.40	
			<i>For Verticals >4" To 6" On Center, Deduct</i>	-16.80	
			<i>For Solid Pickets, Add</i>	23.83	
			<i>For Aluminum With Satin Finish, Add</i>	20.26	
			<i>For Third Rail, Add</i>	6.30	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	21.00	
			<i>For 4" Square Posts, Add</i>	29.39	
32 31 19 00-0042	LF	10'	Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	133.36	17.63
			<i>For Verticals Up To 2" On Center, Add</i>	19.62	
			<i>For Verticals >2" To 2-1/2" On Center, Add</i>	9.81	
			<i>For Verticals >3" To 4" On Center, Deduct</i>	-9.81	
			<i>For Verticals >4" To 6" On Center, Deduct</i>	-19.62	
			<i>For Solid Pickets, Add</i>	27.36	
			<i>For Aluminum With Satin Finish, Add</i>	24.15	
			<i>For Third Rail, Add</i>	7.36	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	24.53	
			<i>For 6" Square Posts, Add</i>	34.34	
32 31 19 00-0043	LF	12'	Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	157.07	19.57
			<i>For Verticals Up To 2" On Center, Add</i>	23.58	
			<i>For Verticals >2" To 2-1/2" On Center, Add</i>	11.79	
			<i>For Verticals >3" To 4" On Center, Deduct</i>	-11.79	
			<i>For Verticals >4" To 6" On Center, Deduct</i>	-23.58	
			<i>For Solid Pickets, Add</i>	32.40	
			<i>For Aluminum With Satin Finish, Add</i>	29.50	
			<i>For Third Rail, Add</i>	8.84	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	29.48	
			<i>For 6" Square Posts, Add</i>	41.27	
32 31 19 00-0044	LF	14'	Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	168.25	21.14
			<i>For Verticals Up To 2" On Center, Add</i>	25.19	
			<i>For Verticals >2" To 2-1/2" On Center, Add</i>	12.60	
			<i>For Verticals >3" To 4" On Center, Deduct</i>	-12.60	
			<i>For Verticals >4" To 6" On Center, Deduct</i>	-25.19	
			<i>For Solid Pickets, Add</i>	34.68	
			<i>For Aluminum With Satin Finish, Add</i>	31.44	
			<i>For Third Rail, Add</i>	9.45	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	31.49	
			<i>For 6" Square Posts, Add</i>	44.09	
32 31 19 00-0045			Steel Tube Swing Gates <small>(32 31 19 00-0032)</small>		
32 31 19 00-0046			3' Fence Height Steel Tube Swing Gates, 2 Rail <small>(32 31 19 00-0045)</small>		
32 31 19 00-0047	EA	3' Wide x 3' High	Steel Tube Single Swing Gate.....	465.25	16.69
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	100.92	
			<i>For Aluminum With Satin Finish, Add</i>	117.02	
			<i>For Third Rail, Add</i>	31.13	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	41.51	
32 31 19 00-0048	EA	3'-6" Wide x 3' High	Steel Tube Single Swing Gate.....	517.10	17.47
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	112.41	
			<i>For Aluminum With Satin Finish, Add</i>	131.51	
			<i>For Third Rail, Add</i>	34.85	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	46.46	
32 31 19 00-0049	EA	4' Wide x 3' High	Steel Tube Single Swing Gate.....	571.98	18.48
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	124.53	
			<i>For Aluminum With Satin Finish, Add</i>	146.57	
			<i>For Third Rail, Add</i>	38.73	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	51.64	
32 31 19 00-0050	EA	5' Wide x 3' High	Steel Tube Single Swing Gate.....	601.77	19.81
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	130.93	
			<i>For Aluminum With Satin Finish, Add</i>	153.75	
			<i>For Third Rail, Add</i>	40.67	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	54.23	
32 31 19 00-0051	EA	6' Wide x 3' High	Steel Tube Single Swing Gate.....	673.15	23.73
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	146.11	
			<i>For Aluminum With Satin Finish, Add</i>	169.87	
			<i>For Third Rail, Add</i>	45.14	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	60.19	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	32	31	19 00-0052	EA 7' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	717.52 155.22 177.90 47.59 63.45	27.64
	32	31	19 00-0053	EA 8' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	784.04 169.24 192.22 51.64 68.85	31.79
	32	31	19 00-0054	EA 9' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	841.91 181.38 204.29 55.10 73.46	35.71
	32	31	19 00-0055	EA 10' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	893.04 192.01 214.34 58.05 77.40	39.63
	32	31	19 00-0056	EA 6' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	972.00 211.18 246.49 65.38 87.18	33.36
	32	31	19 00-0057	EA 7' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,035.32 225.08 263.37 69.78 93.04	34.93
	32	31	19 00-0058	EA 8' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,143.96 249.05 293.14 77.46 103.28	37.04
	32	31	19 00-0059	EA 9' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,198.50 261.03 307.75 81.25 108.34	38.37
	32	31	19 00-0060	EA 10' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,242.92 270.73 319.31 84.29 112.39	39.63
	32	31	19 00-0061	EA 12' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,400.28 304.37 355.95 94.33 125.78	47.46
	32	31	19 00-0062	EA 14' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,536.27 333.21 386.17 102.77 137.03	55.29
	32	31	19 00-0063	EA 16' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,651.34 357.22 409.41 109.52 146.03	63.67
	32	31	19 00-0064	EA 18' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,747.96 377.20 427.83 115.00 153.34	71.42
	32	31	19 00-0065	EA 20' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,827.69 393.38 441.18 119.22 158.96	79.26

32 Exterior Improvements

32 30 Site Improvements

32 31 Fences And Gates



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
32 31 19 00-0066		4' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)		
32 31 19 00-0067	EA	3' Wide x 4' High Steel Tube Single Swing Gate.....	536.62	15.67
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	116.77	
		For Aluminum With Satin Finish, Add	137.19	
		For Third Rail, Add	36.28	
		For 1" Square x 14 Gauge Pickets, Add	48.38	
32 31 19 00-0068	EA	3'-6" Wide x 4' High Steel Tube Single Swing Gate	580.20	18.24
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	126.43	
		For Aluminum With Satin Finish, Add	149.39	
		For Third Rail, Add	39.40	
		For 1" Square x 14 Gauge Pickets, Add	52.54	
32 31 19 00-0069	EA	4' Wide x 4' High Steel Tube Single Swing Gate.....	625.73	19.57
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	136.38	
		For Aluminum With Satin Finish, Add	161.29	
		For Third Rail, Add	42.53	
		For 1" Square x 14 Gauge Pickets, Add	56.70	
32 31 19 00-0070	EA	5' Wide x 4' High Steel Tube Single Swing Gate.....	663.40	20.83
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	144.57	
		For Aluminum With Satin Finish, Add	170.83	
		For Third Rail, Add	45.06	
		For 1" Square x 14 Gauge Pickets, Add	60.08	
32 31 19 00-0071	EA	6' Wide x 4' High Steel Tube Single Swing Gate.....	716.43	25.06
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	155.56	
		For Aluminum With Satin Finish, Add	181.10	
		For Third Rail, Add	48.09	
		For 1" Square x 14 Gauge Pickets, Add	64.13	
32 31 19 00-0072	EA	7' Wide x 4' High Steel Tube Single Swing Gate.....	787.47	29.21
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	170.60	
		For Aluminum With Satin Finish, Add	196.77	
		For Third Rail, Add	52.48	
		For 1" Square x 14 Gauge Pickets, Add	69.98	
32 31 19 00-0073	EA	8' Wide x 4' High Steel Tube Single Swing Gate.....	884.36	33.36
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	191.46	
		For Aluminum With Satin Finish, Add	220.20	
		For Third Rail, Add	58.81	
		For 1" Square x 14 Gauge Pickets, Add	78.41	
32 31 19 00-0074	EA	9' Wide x 4' High Steel Tube Single Swing Gate.....	979.02	37.59
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	211.82	
		For Aluminum With Satin Finish, Add	242.96	
		For Third Rail, Add	64.97	
		For 1" Square x 14 Gauge Pickets, Add	86.63	
32 31 19 00-0075	EA	10' Wide x 4' High Steel Tube Single Swing Gate.....	1,069.18	41.74
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	231.17	
		For Aluminum With Satin Finish, Add	264.37	
		For Third Rail, Add	70.79	
		For 1" Square x 14 Gauge Pickets, Add	94.39	
32 31 19 00-0076	EA	6' Wide x 4' High Steel Tube Double Swing Gate	1,073.22	35.24
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	233.55	
		For Aluminum With Satin Finish, Add	274.39	
		For Third Rail, Add	72.56	
		For 1" Square x 14 Gauge Pickets, Add	96.75	
32 31 19 00-0077	EA	7' Wide x 4' High Steel Tube Double Swing Gate	1,160.39	36.49
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	252.86	
		For Aluminum With Satin Finish, Add	298.78	
		For Third Rail, Add	78.81	
		For 1" Square x 14 Gauge Pickets, Add	105.08	
32 31 19 00-0078	EA	8' Wide x 4' High Steel Tube Double Swing Gate	1,251.47	39.16
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	272.77	
		For Aluminum With Satin Finish, Add	322.58	
		For Third Rail, Add	85.05	
		For 1" Square x 14 Gauge Pickets, Add	113.40	
32 31 19 00-0079	EA	9' Wide x 4' High Steel Tube Double Swing Gate	1,322.89	40.41
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	288.55	
		For Aluminum With Satin Finish, Add	342.24	
		For Third Rail, Add	90.11	
		For 1" Square x 14 Gauge Pickets, Add	120.15	
32 31 19 00-0080	EA	10' Wide x 4' High Steel Tube Double Swing Gate	1,383.05	41.74
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	301.79	
		For Aluminum With Satin Finish, Add	358.53	
		For Third Rail, Add	94.33	
		For 1" Square x 14 Gauge Pickets, Add	125.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0081 EA 12' Wide x 4' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,571.25 342.25 403.71 106.57 142.09	50.05
32 31 19 00-0082 EA 14' Wide x 4' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,736.92 377.65 442.14 117.11 156.15	58.42
32 31 19 00-0083 EA 16' Wide x 4' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,881.23 408.24 474.15 126.06 168.08	66.72
32 31 19 00-0084 EA 18' Wide x 4' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,006.43 434.53 500.43 133.57 178.09	75.10
32 31 19 00-0085 EA 20' Wide x 4' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,113.61 456.77 521.31 139.73 186.30	83.49
32 31 19 00-0086 5' Fence Height Steel Tube Swing Gates, 2 Rail <small>(32 31 19 00-0045)</small>		
32 31 19 00-0087 EA 3' Wide x 5' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	583.57 127.19 150.40 39.66 52.88	18.24
32 31 19 00-0088 EA 3'-6" Wide x 5' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	615.61 134.11 158.25 41.77 55.69	19.57
32 31 19 00-0089 EA 4' Wide x 5' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	646.53 140.77 165.77 43.79 58.39	20.83
32 31 19 00-0090 EA 5' Wide x 5' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	690.95 150.47 177.33 46.83 62.44	22.16
32 31 19 00-0091 EA 6' Wide x 5' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	752.63 163.35 189.84 50.46 67.28	26.62
32 31 19 00-0092 EA 7' Wide x 5' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	833.44 180.53 208.10 55.52 74.03	31.01
32 31 19 00-0093 EA 8' Wide x 5' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	945.41 204.67 235.34 62.86 83.81	35.71
32 31 19 00-0094 EA 9' Wide x 5' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,054.35 228.18 262.04 70.03 93.38	40.18

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0095	EA	10' Wide x 5' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,161.04 251.19 288.05 77.03 102.71	44.56
32 31	19 00-0096	EA	6' Wide x 5' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,145.37 251.12 304.07 79.31 105.75	30.78
32 31	19 00-0097	EA	7' Wide x 5' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,215.13 265.72 318.41 83.45 111.26	35.87
32 31	19 00-0098	EA	8' Wide x 5' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,285.77 280.45 332.62 87.58 116.78	41.27
32 31	19 00-0099	EA	9' Wide x 5' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,381.41 300.87 354.73 93.66 124.88	46.44
32 31	19 00-0100	EA	10' Wide x 5' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,465.81 318.76 373.45 98.89 131.85	51.54
32 31	19 00-0101	EA	12' Wide x 5' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,667.79 362.98 426.69 112.81 150.41	57.32
32 31	19 00-0102	EA	14' Wide x 5' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,850.15 402.65 473.25 125.13 166.84	63.59
32 31	19 00-0103	EA	16' Wide x 5' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,013.96 438.02 513.48 135.93 181.24	70.56
32 31	19 00-0104	EA	18' Wide x 5' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,162.36 469.73 547.92 145.38 193.84	78.39
32 31	19 00-0105	EA	20' Wide x 5' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,295.34 497.78 576.57 153.48 204.64	87.17
32 31	19 00-0106		6' Fence Height Steel Tube Swing Gates, 2 Rail <small>(32 31 19 00-0045)</small>		
32 31	19 00-0107	EA	3' Wide x 6' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	608.18 132.32 155.32 41.09 54.79	20.04
32 31	19 00-0108	EA	3'-6" Wide x 6' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	639.43 139.11 163.29 43.20 57.60	21.14



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0109 EA 4' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	671.25 146.00 171.17 45.31 60.41	22.32
32 31 19 00-0110 EA 5' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	710.28 154.47 181.01 47.93 63.90	23.73
32 31 19 00-0111 EA 6' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	798.27 173.15 200.71 53.41 71.21	28.66
32 31 19 00-0112 EA 7' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	891.90 193.10 222.11 59.32 79.09	33.67
32 31 19 00-0113 EA 8' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	995.99 215.46 247.00 66.07 88.09	38.37
32 31 19 00-0114 EA 9' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,096.39 236.94 270.41 72.48 96.64	43.31
32 31 19 00-0115 EA 10' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,218.12 263.21 300.24 80.49 107.33	48.25
32 31 19 00-0116 EA 6' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,190.51 260.76 314.51 82.18 109.58	33.20
32 31 19 00-0117 EA 7' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,263.13 275.87 328.93 86.40 115.20	38.92
32 31 19 00-0118 EA 8' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,334.88 290.85 343.48 90.62 120.83	44.33
32 31 19 00-0119 EA 9' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,421.00 309.00 361.95 95.85 127.80	50.05
32 31 19 00-0120 EA 10' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,554.37 337.78 394.59 104.63 139.50	55.76
32 31 19 00-0121 EA 12' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,821.08 396.43 466.47 123.27 164.36	62.10
32 31 19 00-0122 EA 14' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,909.25 414.72 483.62 128.33 171.11	69.39

32 Exterior Improvements

32 30 Site Improvements

32 31 Fences And Gates



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0123	EA	16' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,097.04	77.22
			<i>For Solid Pickets, Add</i>	455.29	
			<i>For Aluminum With Satin Finish, Add</i>	529.87	
			<i>For Third Rail, Add</i>	140.74	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	187.65	
32 31	19 00-0124	EA	18' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,270.52	85.92
			<i>For Solid Pickets, Add</i>	492.45	
			<i>For Aluminum With Satin Finish, Add</i>	570.67	
			<i>For Third Rail, Add</i>	151.88	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	202.50	
32 31	19 00-0125	EA	20' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,432.82	95.85
			<i>For Solid Pickets, Add</i>	526.84	
			<i>For Aluminum With Satin Finish, Add</i>	606.57	
			<i>For Third Rail, Add</i>	161.92	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	215.89	
32 31	19 00-0126		7' Fence Height Steel Tube Swing Gates, 2 Rail <small>(32 31 19 00-0045)</small>		
32 31	19 00-0127	EA	3' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	644.61	21.69
			<i>For Solid Pickets, Add</i>	140.15	
			<i>For Aluminum With Satin Finish, Add</i>	164.03	
			<i>For Third Rail, Add</i>	43.45	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	57.94	
32 31	19 00-0128	EA	3'-6" Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	677.30	22.86
			<i>For Solid Pickets, Add</i>	147.24	
			<i>For Aluminum With Satin Finish, Add</i>	172.28	
			<i>For Third Rail, Add</i>	45.65	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	60.86	
32 31	19 00-0129	EA	4' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	710.18	24.04
			<i>For Solid Pickets, Add</i>	154.37	
			<i>For Aluminum With Satin Finish, Add</i>	180.52	
			<i>For Third Rail, Add</i>	47.84	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	63.79	
32 31	19 00-0130	EA	5' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	743.09	25.29
			<i>For Solid Pickets, Add</i>	161.50	
			<i>For Aluminum With Satin Finish, Add</i>	188.74	
			<i>For Third Rail, Add</i>	50.03	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	66.71	
32 31	19 00-0131	EA	6' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	860.79	30.78
			<i>For Solid Pickets, Add</i>	186.75	
			<i>For Aluminum With Satin Finish, Add</i>	216.65	
			<i>For Third Rail, Add</i>	57.63	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	76.84	
32 31	19 00-0132	EA	7' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	968.69	36.02
			<i>For Solid Pickets, Add</i>	209.85	
			<i>For Aluminum With Satin Finish, Add</i>	241.98	
			<i>For Third Rail, Add</i>	64.55	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	86.06	
32 31	19 00-0133	EA	8' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,048.14	41.43
			<i>For Solid Pickets, Add</i>	226.49	
			<i>For Aluminum With Satin Finish, Add</i>	258.41	
			<i>For Third Rail, Add</i>	69.27	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	92.36	
32 31	19 00-0134	EA	9' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,138.06	46.68
			<i>For Solid Pickets, Add</i>	245.55	
			<i>For Aluminum With Satin Finish, Add</i>	278.34	
			<i>For Third Rail, Add</i>	74.84	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	99.79	
32 31	19 00-0135	EA	10' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,247.88	52.16
			<i>For Solid Pickets, Add</i>	269.03	
			<i>For Aluminum With Satin Finish, Add</i>	303.88	
			<i>For Third Rail, Add</i>	81.84	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	109.13	
32 31	19 00-0136	EA	6' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,260.40	35.55
			<i>For Solid Pickets, Add</i>	275.97	
			<i>For Aluminum With Satin Finish, Add</i>	332.38	
			<i>For Third Rail, Add</i>	86.91	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	115.88	



Exterior Improvements	32	32
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0137	EA	7' Wide x 7' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,336.14 291.71 347.34 91.29 121.73	41.59
32 31	19 00-0138	EA	8' Wide x 7' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,412.72 307.59 362.18 95.68 127.58	47.93
32 31	19 00-0139	EA	9' Wide x 7' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,489.58 323.59 377.48 100.15 133.54	53.95
32 31	19 00-0140	EA	10' Wide x 7' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,677.54 364.52 425.73 112.89 150.53	60.30
32 31	19 00-0141	EA	12' Wide x 7' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,024.73 441.16 520.97 137.45 183.26	67.27
32 31	19 00-0142	EA	14' Wide x 7' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,007.49 435.53 505.33 134.41 179.21	75.42
32 31	19 00-0143	EA	16' Wide x 7' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,176.47 471.68 544.78 145.21 193.61	84.11
32 31	19 00-0144	EA	18' Wide x 7' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,378.15 514.93 592.50 158.20 210.94	94.05
32 31	19 00-0145	EA	20' Wide x 7' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,513.79 543.12 619.23 166.05 221.40	104.94
32 31	19 00-0146		8' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)		
32 31	19 00-0147	EA	3' Wide x 8' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	700.48 152.32 178.43 47.25 63.00	23.49
32 31	19 00-0148	EA	3'-6" Wide x 8' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	734.78 159.75 186.95 49.53 66.04	24.74
32 31	19 00-0149	EA	4' Wide x 8' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	771.32 167.67 196.15 51.98 69.30	26.08
32 31	19 00-0150	EA	5' Wide x 8' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	805.08 174.59 202.23 53.83 71.78	29.05

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0151	EA	6' Wide x 8' High Steel Tube Single Swing Gate.....	951.42	32.89
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	206.67	
		<i>For Aluminum With Satin Finish, Add</i>	241.02	
		<i>For Third Rail, Add</i>	63.96	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	85.28	
32 31 19 00-0152	EA	7' Wide x 8' High Steel Tube Single Swing Gate.....	1,060.66	39.63
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	229.72	
		<i>For Aluminum With Satin Finish, Add</i>	264.63	
		<i>For Third Rail, Add</i>	70.62	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	94.16	
32 31 19 00-0153	EA	8' Wide x 8' High Steel Tube Single Swing Gate.....	1,110.62	46.13
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	239.49	
		<i>For Aluminum With Satin Finish, Add</i>	270.81	
		<i>For Third Rail, Add</i>	72.90	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	97.20	
32 31 19 00-0154	EA	9' Wide x 8' High Steel Tube Single Swing Gate.....	1,192.86	52.95
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	256.47	
		<i>For Aluminum With Satin Finish, Add</i>	286.32	
		<i>For Third Rail, Add</i>	77.54	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	103.39	
32 31 19 00-0155	EA	10' Wide x 8' High Steel Tube Single Swing Gate.....	1,264.95	59.75
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	271.16	
		<i>For Aluminum With Satin Finish, Add</i>	298.79	
		<i>For Third Rail, Add</i>	81.42	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	108.56	
32 31 19 00-0156	EA	6' Wide x 8' High Steel Tube Double Swing Gate.....	1,369.66	37.98
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	300.03	
		<i>For Aluminum With Satin Finish, Add</i>	362.06	
		<i>For Third Rail, Add</i>	94.58	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	126.11	
32 31 19 00-0157	EA	7' Wide x 8' High Steel Tube Double Swing Gate.....	1,455.06	45.82
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	317.57	
		<i>For Aluminum With Satin Finish, Add</i>	377.60	
		<i>For Third Rail, Add</i>	99.31	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	132.41	
32 31 19 00-0158	EA	8' Wide x 8' High Steel Tube Double Swing Gate.....	1,538.48	53.34
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	334.72	
		<i>For Aluminum With Satin Finish, Add</i>	392.93	
		<i>For Third Rail, Add</i>	103.95	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	138.60	
32 31 19 00-0159	EA	9' Wide x 8' High Steel Tube Double Swing Gate.....	1,609.26	61.24
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	348.97	
		<i>For Aluminum With Satin Finish, Add</i>	404.08	
		<i>For Third Rail, Add</i>	107.58	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	143.44	
32 31 19 00-0160	EA	10' Wide x 8' High Steel Tube Double Swing Gate.....	1,869.02	69.07
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	405.73	
		<i>For Aluminum With Satin Finish, Add</i>	471.93	
		<i>For Third Rail, Add</i>	125.38	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	167.18	
32 31 19 00-0161	EA	12' Wide x 8' High Steel Tube Double Swing Gate.....	2,324.88	77.77
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	506.43	
		<i>For Aluminum With Satin Finish, Add</i>	597.45	
		<i>For Third Rail, Add</i>	157.70	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	210.26	
32 31 19 00-0162	EA	14' Wide x 8' High Steel Tube Double Swing Gate.....	2,135.07	87.72
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	461.59	
		<i>For Aluminum With Satin Finish, Add</i>	527.71	
		<i>For Third Rail, Add</i>	141.33	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	188.44	
32 31 19 00-0163	EA	16' Wide x 8' High Steel Tube Double Swing Gate.....	2,289.30	99.22
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	493.84	
		<i>For Aluminum With Satin Finish, Add</i>	559.25	
		<i>For Third Rail, Add</i>	150.44	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	200.59	
32 31 19 00-0164	EA	18' Wide x 8' High Steel Tube Double Swing Gate.....	2,524.60	111.83
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	544.07	
		<i>For Aluminum With Satin Finish, Add</i>	613.56	
		<i>For Third Rail, Add</i>	165.38	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	220.50	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0165 EA 20' Wide x 8' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,583.09 554.19 612.89 166.73 222.30	126.00
32 31 19 00-0166 Replace Steel Tube Fence Pickets (32 31 19 00-0032)		
32 31 19 00-0167 LF Replace 3/4" Square x 16 Gauge Steel Tube Fence Picket <i>For 1" Square x 14 Gauge Pickets, Add</i>	22.29 0.66	
32 31 19 00-0168 Remove And Reinstall Ornamental Fences (32 31 19)		
Note: Removal and reinstallation of fences including storage and cleaning. Excludes augering and concrete.		
32 31 19 00-0169 LF Removal And Reinstallation Of Ornamental Fence Up To 5' Height.....	35.24	
32 31 19 00-0170 LF Removal And Reinstallation Of Ornamental Fence, 6' Height	38.77	
32 31 19 00-0171 LF Removal And Reinstallation Of Ornamental Fence, 7' Height	42.29	
32 31 19 00-0172 LF Removal And Reinstallation Of Ornamental Fence, 8' Height	45.82	
32 31 19 00-0173 LF Removal And Reinstallation Of Ornamental Fence, 9' Height	49.34	
32 31 19 00-0174 LF Removal And Reinstallation Of Ornamental Fence, 10' Height	52.87	
32 31 19 00-0175 LF Removal And Reinstallation Of Ornamental Fence 12' Height	58.73	
32 31 23 Plastic Fences And Gates (32 31)		
32 31 23 00-0001 Vinyl Fence (32 31 23)		
32 31 23 00-0002 Privacy Tongue And Groove Vinyl Fence (32 31 23 00-0001)		
Note: With 1-1/2" x 5-1/2" top and bottom rails, 5" x 5" posts installed 7' centers. Posts include flat cap.		
32 31 23 00-0003 LF 3' High Privacy Tongue And Groove Vinyl Fence	34.83	4.83
32 31 23 00-0004 LF 4' High Privacy Tongue And Groove Vinyl Fence	39.27	5.79
32 31 23 00-0005 LF 5' High Privacy Tongue And Groove Vinyl Fence	44.02	6.76
32 31 23 00-0006 LF 6' High Privacy Tongue And Groove Vinyl Fence	48.68	7.72
32 31 23 00-0007 Semi-Privacy 6" Picket Vinyl Fence (32 31 23 00-0001)		
Note: With 1-1/2" x 5-1/2" top and bottom rails, 2" x 3-1/2" mid rail, 5" x 5" posts installed 6' centers. Posts include flat cap.		
32 31 23 00-0008 LF 5' High Semi-Privacy 6" Picket Vinyl Fence.....	46.85	6.76
32 31 23 00-0009 LF 6' High Semi-Privacy 6" Picket Vinyl Fence.....	51.55	7.72
32 31 23 00-0010 Picket Straight Top Vinyl Fence (32 31 23 00-0001)		
Note: With 2-1/2" x 3-1/2" top rail, 1-1/2" x 5-1/2" bottom rail, 1-3/8" x 1-3/8" or 1" x 3" pickets, 5" x 5" posts installed 6' centers. Posts include flat cap.		
32 31 23 00-0011 LF 3' High Picket Straight Top Vinyl Fence.....	32.33	4.83
32 31 23 00-0012 LF 4' High Picket Straight Top Vinyl Fence.....	36.90	5.79
32 31 23 00-0013 LF 5' High Picket Straight Top Vinyl Fence.....	42.36	6.76
32 31 23 00-0014 LF 6' High Picket Straight Top Vinyl Fence.....	47.06	7.72
32 31 23 00-0015 Picket Scalloped Top Vinyl Fence (32 31 23 00-0001)		
Note: With 2-1/2" x 3-1/2" top rail, 1-1/2" x 5-1/2" bottom rail, 1-3/8" x 1-3/8" or 1" x 3" pickets, 5" x 5" posts installed 6' centers. Posts include flat cap.		
32 31 23 00-0016 LF 3' High Picket Scalloped Top Vinyl Fence	35.55	4.83
32 31 23 00-0017 LF 4' High Picket Scalloped Top Vinyl Fence	40.21	5.79
32 31 23 00-0018 LF 5' High Picket Scalloped Top Vinyl Fence	45.46	6.76
32 31 23 00-0019 LF 6' High Picket Scalloped Top Vinyl Fence	50.26	7.72
32 31 23 00-0020 Post And Rail Vinyl Fence, Ranch Style (32 31 23 00-0001)		
Note: With 1-1/2" x 5-1/2" rails, 5" x 5" posts installed 8' centers. Posts include flat cap.		
32 31 23 00-0021 LF 5' High, 2 Rail, Post And Rail Vinyl Fence	14.74	4.83
32 31 23 00-0022 LF 6-1/2' High, 3 Rail, Post And Rail Vinyl Fence	18.69	5.79
32 31 23 00-0023 LF 7' High, 4 Rail, Post And Rail Vinyl Fence	21.30	6.27
32 31 23 00-0024 Post, Rails And Pickets (Traditional Style) Vinyl Fence (32 31 23 00-0001)		
Note: With top and bottom 3" x 3" rails, 5" x 5" posts and 1-1/2" x 1-1/2" pickets. Posts include flat cap.		
32 31 23 00-0025 LF 3' High Rail And Picket Vinyl Fence, 72" On Center Posts.....	41.44	5.31
32 31 23 00-0026 LF 4' High Rail And Picket Vinyl Fence, 72" On Center Posts.....	45.54	6.27
32 31 23 00-0027 LF 3' High Rail And Picket Vinyl Fence, 96" On Center Posts.....	38.98	4.83
32 31 23 00-0028 LF 4' High Rail And Picket Vinyl Fence, 96" On Center Posts.....	42.72	5.79
32 31 23 00-0029 Vinyl Gates (32 31 23)		
32 31 23 00-0030 Gates For Privacy And Semi-Privacy Fences (32 31 23 00-0029)		
Note: Includes hinges.		
32 31 23 00-0031 3' High Gates For Privacy And Semi-Privacy Fences (32 31 23 00-0030)		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	23 00-0032	EA	3' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	382.50 14.50 38.50	48.25
32 31	23 00-0033	EA	3' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	405.57 14.50 38.50	50.66
32 31	23 00-0034	EA	3' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	443.56 14.50 38.50	53.07
32 31	23 00-0035	EA	3' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	494.80 14.50 38.50	55.49
32 31	23 00-0036		4' High Gates For Privacy And Semi-Privacy Fences <small>(32 31 23 00-0030)</small>		
32 31	23 00-0037	EA	4' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	405.57 14.50 38.50	50.66
32 31	23 00-0038	EA	4' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	420.35 14.50 38.50	53.07
32 31	23 00-0039	EA	4' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	464.95 14.50 38.50	55.49
32 31	23 00-0040	EA	4' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	541.08 14.50 38.50	57.90
32 31	23 00-0041		5' High Gates For Privacy And Semi-Privacy Fences <small>(32 31 23 00-0030)</small>		
32 31	23 00-0042	EA	5' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	420.35 14.50 38.50	53.07
32 31	23 00-0043	EA	5' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	438.43 14.50 38.50	55.49
32 31	23 00-0044	EA	5' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	499.63 14.50 38.50	57.90
32 31	23 00-0045	EA	5' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	579.07 14.50 38.50	60.31
32 31	23 00-0046		6' High Gates For Privacy And Semi-Privacy Fences <small>(32 31 23 00-0030)</small>		
32 31	23 00-0047	EA	6' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	443.26 14.50 38.50	57.90
32 31	23 00-0048	EA	6' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	461.35 14.50 38.50	60.31
32 31	23 00-0049	EA	6' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	550.73 14.50 38.50	62.73
32 31	23 00-0050	EA	6' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	605.30 14.50 38.50	62.73
32 31	23 00-0051		Gates For Picket Fences <small>(32 31 23 00-0029)</small> Note: Includes hinges.		
32 31	23 00-0052		3' High Gates For Picket Fences <small>(32 31 23 00-0051)</small>		
32 31	23 00-0053	EA	3' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	367.58 14.50 38.50	48.25
32 31	23 00-0054	EA	3' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	382.36 14.50 38.50	50.66
32 31	23 00-0055	EA	3' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	426.98 14.50 38.50	53.07
32 31	23 00-0056	EA	3' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	503.09 14.50 38.50	55.49
32 31	23 00-0057		4' High Gates For Picket Fences <small>(32 31 23 00-0051)</small>		
32 31	23 00-0058	EA	4' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	372.41 14.50 38.50	50.66
32 31	23 00-0059	EA	4' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	387.19 14.50 38.50	53.07



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 23 00-0060 EA 4' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i>	431.79 14.50	55.49
	<i>38.50</i>	
32 31 23 00-0061 EA 4' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i>	507.92 14.50	57.90
	<i>38.50</i>	
32 31 23 00-0062 5' High Gates For Picket Fences <small>(32 31 23 00-0051)</small>		
32 31 23 00-0063 EA 5' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i>	387.19 14.50	53.07
	<i>38.50</i>	
32 31 23 00-0064 EA 5' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i>	405.27 14.50	55.49
	<i>38.50</i>	
32 31 23 00-0065 EA 5' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i>	466.47 14.50	57.90
	<i>38.50</i>	
32 31 23 00-0066 EA 5' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i>	545.91 14.50	60.31
	<i>38.50</i>	
32 31 23 00-0067 6' High Gates For Picket Fences <small>(32 31 23 00-0051)</small>		
32 31 23 00-0068 EA 6' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i>	410.10 14.50	57.90
	<i>38.50</i>	
32 31 23 00-0069 EA 6' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i>	428.19 14.50	60.31
	<i>38.50</i>	
32 31 23 00-0070 EA 6' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i>	517.57 14.50	62.73
	<i>38.50</i>	
32 31 23 00-0071 EA 6' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i>	572.14 14.50	65.14
	<i>38.50</i>	
32 31 23 00-0072 Gates Accessories <small>(32 31 23 00-0029)</small>		
32 31 23 00-0073 EA Gate Stop/Drop Rod.....	83.80	
32 31 23 00-0074 EA Latch Set.....	59.76	
32 31 23 00-0075 EA Stainless Steel Latch Set.....	83.80	
32 31 26 Wire Fences And Gates <small>(32 31)</small>		
32 31 26 00-0001 Chicken Wire <small>(32 31 26)</small>		
Note: Posts at 4'.		
32 31 26 00-0002 LF 1" Mesh, 4' High Chicken Wire Posts At 4'	6.17	1.41
32 31 26 00-0003 LF 2" Mesh, 6' High Chicken Wire Posts At 4'	6.84	1.41
32 31 26 00-0004 Wire And Screen <small>(32 31 26)</small>		
32 31 26 00-0005 Wire And Screen For Partitions And Fences <small>(32 31 26 00-0004)</small>		
Note: Excludes framing and post.		
32 31 26 00-0006 Screen Wire <small>(32 31 26 00-0005)</small>		
32 31 26 00-0007 LF Screen Wire, 48" Wide Rolls.....	10.51	0.97
32 31 26 00-0008 Hog Wire <small>(32 31 26 00-0005)</small>		
32 31 26 00-0009 SF 4" x 4" Hog Wire For Fencing	1.92	0.78
32 31 26 00-0010 SF 6" x 6" Hog Wire For Fencing	2.01	0.87
32 31 26 00-0011 Non-Climb Horse Fence <small>(32 31 26 00-0005)</small>		
32 31 26 00-0012 LF 4' Non-Climb Woven, 12.5 Gauge, Horse Fence.....	8.39	3.11
32 31 26 00-0013 LF 5' Non-Climb Woven, 12.5 Gauge, Horse Fence.....	10.69	3.89
32 31 26 00-0014 LF 6' Non-Climb Woven, 12.5 Gauge, Horse Fence.....	13.28	4.66
32 31 26 00-0015 Screen For Partitions And Ceilings <small>(32 31 26 00-0004)</small>		
Note: Can be used to support insulation on walls and ceilings.		
32 31 26 00-0016 SF 1" Mesh Chicken Wire	1.65	
32 31 26 00-0017 Wicket Fence <small>(32 31 26)</small>		
32 31 26 00-0018 LF Steel Wicket Fence, Painted.....	48.32	4.33
32 31 29 Wood Fences And Gates <small>(32 31)</small>		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0001			Basket Weave <small>(32 31 29)</small> Note: 3/8" x 4" boards, 4" x 4" post		
32 31 29 00-0002	LF		6' High #1 Cedar Basket Weave Fence 3/8" x 4" Boards, 4" x 4" Post <i>For Fastening With Screws Instead Of Nails, Add</i>	37.77 2.18	2.81
32 31 29 00-0003	LF		6' High, Pressure Treated Pine Basket Weave 3/8" x 4" Boards, 4" x 4" Post <i>For Fastening With Screws Instead Of Nails, Add</i>	24.14 1.52	2.81
32 31 29 00-0004			Board Fence <small>(32 31 29)</small> Note: 1x4" board, 2x4" rail, 4x4" post.		
32 31 29 00-0005	LF		Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" Boards, Preservative Treated <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	22.05 -2.31 2.87 1.43	2.81
32 31 29 00-0006	LF		Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" Boards, Preservative Treated <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	24.55 -2.52 3.11 1.58	2.81
32 31 29 00-0007	LF		Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" Boards, Preservative Treated <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	27.42 -2.69 3.28 1.73	2.81
32 31 29 00-0008	LF		Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" Boards, Preservative Treated <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	29.29 -2.83 3.44 1.84	2.81
32 31 29 00-0009	LF		Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" Boards, Preservative Treated <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	31.31 -2.97 3.60 1.96	2.81
32 31 29 00-0010	LF		Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" #2 Grade Western Cedar <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	23.58 -2.37 2.91 1.50	2.81
32 31 29 00-0011	LF		Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" #2 Grade Western Cedar <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	25.73 -2.56 3.14 1.64	2.81
32 31 29 00-0012	LF		Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" #2 Grade Western Cedar <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	27.42 -2.69 3.28 1.73	2.81
32 31 29 00-0013	LF		Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" #2 Grade Western Cedar <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	29.29 -2.83 3.44 1.84	2.81
32 31 29 00-0014	LF		Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" #2 Grade Western Cedar <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	31.31 -2.97 3.60 1.96	2.81
32 31 29 00-0015	LF		Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" #1 Grade Cedar <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	23.58 -2.37 2.91 1.50	2.81
32 31 29 00-0016	LF		Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" #1 Grade Cedar <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	30.95 -2.77 3.30 1.90	2.81
32 31 29 00-0017	LF		Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" #1 Grade Cedar <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	32.43 -2.89 3.43 1.98	2.81
32 31 29 00-0018	LF		Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Grade Cedar <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	34.89 -3.05 3.61 2.12	2.81
32 31 29 00-0019	LF		Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Grade Cedar <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	37.55 -3.22 3.79 2.27	2.81
32 31 29 00-0020			Shadow Box <small>(32 31 29)</small> Note: 1x6" board, 2x4" Rail, 4x4" post.		
32 31 29 00-0021	LF		Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 6" Pressure Treated Pine <i>For Fastening With Screws Instead Of Nails, Add</i>	36.77 2.13	2.81
32 31 29 00-0022	LF		Shadow Box, 3 - 2" x 4" Rails, 4' High 1" x 4" #1 Cedar <i>For Fastening With Screws Instead Of Nails, Add</i>	45.96 2.65	2.81
32 31 29 00-0023	LF		Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Cedar <i>For Fastening With Screws Instead Of Nails, Add</i>	49.86 2.86	2.81
32 31 29 00-0024	LF		Shadow Box, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Cedar <i>For Fastening With Screws Instead Of Nails, Add</i>	53.56 3.07	2.81



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0025	Open Rail Fence (32 31 29)	
32 31 29 00-0026	Post And Rail Fence, Ranch Style (32 31 29 00-0025)	
32 31 29 00-0027	LF Post And Rail Fence, 2 Rails, 3' High #1 Cedar	21.01 2.81
32 31 29 00-0028	LF Post And Rail Fence, 2 Rails, 3' High #2 Cedar	16.65 2.81
32 31 29 00-0029	LF Post And Rail Fence, 3 Rails, 4' High #1 Cedar	24.75 2.81
32 31 29 00-0030	LF Post And Rail Fence, 3 Rails, 4' High #2 Cedar	17.97 2.81
32 31 29 00-0031	Split Rail Fence (32 31 29 00-0025)	
32 31 29 00-0032	LF Split Rail Fence, 2 Rails, 3' High #1 Cedar	19.89 2.81
32 31 29 00-0033	LF Split Rail Fence, 2 Rails, 3' High #2 Cedar	16.61 2.81
32 31 29 00-0034	LF Split Rail Fence, 3 Rail, 4' High #1 Cedar	22.61 2.81
32 31 29 00-0035	LF Split Rail Fence, 3 Rail, 4' High #2 Cedar	18.60 2.81
32 31 29 00-0036	Picket Fence (32 31 29)	
32 31 29 00-0037	LF Picket Fence, 2 Rail, 3' High, Pressure Treated <i>For Fastening With Screws Instead Of Nails, Add</i>	22.15 2.81 1.44
32 31 29 00-0038	LF Picket Fence, 2 Rail, 3' High #1 Cedar <i>For Fastening With Screws Instead Of Nails, Add</i>	20.92 2.81 1.38
32 31 29 00-0039	Wood Fence Post Accessories (32 31 29)	
32 31 29 00-0040	EA 3-1/2" x 3-1/2" Copper, Pyramid Slip Over, Wood Fence Post Cap	30.31
32 31 29 00-0041	EA 4" x 4" Copper, Pyramid Slip Over, Wood Fence Post Cap	33.43
32 31 29 00-0042	EA 6" x 6" Copper, Pyramid Slip Over, Wood Fence Post Cap	36.57
32 31 29 00-0043	EA 8" x 8" Copper, Pyramid Slip Over, Wood Fence Post Cap	52.16
32 31 29 00-0044	Wood Gate (32 31 29)	
32 31 29 00-0045	Board Fence Gates, Pressure Treated Wood (32 31 29 00-0044)	
Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (treated lumber).		
32 31 29 00-0046	EA 3' To 5' High x 3' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	354.10 110.76
32 31 29 00-0047	EA 3' To 5' High x 3'-6" Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	391.24 117.42
32 31 29 00-0048	EA 3' To 5' High x 4' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	437.26 128.49
32 31 29 00-0049	EA 3' To 5' High x 5' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	495.61 135.14
32 31 29 00-0050	EA 3' To 5' High x 6' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	553.98 141.79
32 31 29 00-0051	EA >5' To 8' High x 3' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	451.50 146.21
32 31 29 00-0052	EA >5' To 8' High x 3'-6" Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	491.30 152.86
32 31 29 00-0053	EA >5' To 8' High x 4' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	531.11 159.51
32 31 29 00-0054	EA >5' To 8' High x 5' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	597.41 166.15
32 31 29 00-0055	EA >5' To 8' High x 6' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	650.48 172.80
32 31 29 00-0056	Board Fence Gates, Grade 2 Cedar (32 31 29 00-0044)	
Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0057	EA 3' To 5' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	534.07 88.08
32 31 29 00-0058	EA 3' To 5' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	552.59 93.37
32 31 29 00-0059	EA 3' To 5' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	580.81 102.18
32 31 29 00-0060	EA 3' To 5' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	612.58 107.46
32 31 29 00-0061	EA 3' To 5' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	652.32 112.75
32 31 29 00-0062	EA >5' To 8' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	630.20 116.27
32 31 29 00-0063	EA >5' To 8' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	654.02 121.55
32 31 29 00-0064	EA >5' To 8' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	691.10 126.84
32 31 29 00-0065	EA >5' To 8' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	728.18 132.12
32 31 29 00-0066	EA >5' To 8' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	765.26 137.41
32 31 29 00-0067	Board Fence Gates, Grade 1 Cedar (32 31 29 00-0044)	
Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0068	EA 3' To 5' High x 3' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	573.83 88.08
32 31 29 00-0069	EA 3' To 5' High x 3'-6" Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	597.66 93.37
32 31 29 00-0070	EA 3' To 5' High x 4' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	628.53 102.18
32 31 29 00-0071	EA 3' To 5' High x 5' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	665.61 107.46
32 31 29 00-0072	EA 3' To 5' High x 6' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	702.69 112.75
32 31 29 00-0073	EA >5' To 8' High x 3' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	683.23 116.27
32 31 29 00-0074	EA >5' To 8' High x 3'-6" Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	707.04 121.55
32 31 29 00-0075	EA >5' To 8' High x 4' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	744.12 126.84
32 31 29 00-0076	EA >5' To 8' High x 5' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	781.20 132.12
32 31 29 00-0077	EA >5' To 8' High x 6' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	831.54 137.41
32 31 29 00-0078	Pressure Treated Wood Fence Posts (32 31 29)	
See CSI section 32 31 13 13-0001 for drilling augering, 32 31 13 13-0695 for barbed wire, 32 31 56 00-0017 for barbed wire.		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0079	EA		4' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill.....	33.75	11.08
32 31 29 00-0080	EA		6' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill.....	37.93	11.08
32 31 29 00-0081	EA		4' High, Pressure Treated Wood Fence Posts, Set In Concrete	59.50	21.27
32 31 29 00-0082	EA		6' High, Pressure Treated Wood Fence Posts, Set In Concrete	64.27	21.27
32 31 29 00-0083			Wood Utility Pole Fence <small>(32 31 29)</small>		
			Note: Excludes post holes. See CSI section 32 31 13 13-0001 for drilling augering and backfill.		
32 31 29 00-0084	LF		Wood Utility Pole Barrier Fence.....	38.57	2.81
			Note: Includes notching post, drilling and pinned with #5 rebar.		
32 31 29 00-0085			Wood Rail Fence <small>(32 31 29)</small>		
			Note: 3" diameter treated lodgepole pine rails, 6" diameter treated lodgepole pine post. Posts at 8' centers. Excludes post holes and fill		
32 31 29 00-0086	LF		4' Above Ground Wood Rail Fence, 3 - 3" Diameter Treated Lodgepole Pine Rails, 6" Diameter, 6' Overall Treated Lodgepole Pine Post	19.57	2.81
32 31 41			Precast Concrete Fences <small>(32 31)</small>		
32 31 41 00-0001			Precast Post And Rail Fence, Ranch Style, With Integral Color Concrete. <small>(32 31 41)</small>		
			Note: Includes post holes, fill, spreading of excess material on site. See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 41 00-0002	LF		Precast Post And Rail Fence With Integral Color Concrete, 2 Rails, 3' Above Ground With 2' Bury	48.32	2.81
			Note: Includes 12" diameter holes with concrete fill for line posts and 18" diameter holes with concrete fill at corners.		
32 31 56			Wild Life Deterrent Fence <small>(32 31)</small>		
32 31 56 00-0001			Barbed Wire Fences <small>(32 31 56)</small>		
			Note: Excludes post holes and fill See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 56 00-0002			Fence Posts <small>(32 31 56 00-0001)</small>		
32 31 56 00-0003			Fence Post Soil, Set In Concrete <small>(32 31 56 00-0002)</small>		
32 31 56 00-0004	EA		Barbed Wire Fence Post, Galvanized Set In Concrete In Soil	64.57	6.27
			For Bracing On Corner Post, End Post And Pull Post, Add	103.39	
32 31 56 00-0005	EA		Barbed Wire Fence Post, Vinyl Coated Set In Concrete In Soil	84.58	6.27
			For Bracing On Corner Post, End Post And Pull Post, Add	136.81	
32 31 56 00-0006			Post In Rock <small>(32 31 56 00-0002)</small>		
32 31 56 00-0007	EA		Barbed Wire Fence Post, Galvanized Grouted In Rock.....	63.19	6.27
			For Bracing On Corner Post, End Post And Pull Post, Add	101.32	
32 31 56 00-0008	EA		Barbed Wire Fence Post, Vinyl Coated Grouted In Rock.....	83.20	6.27
			For Bracing On Corner Post, End Post And Pull Post, Add	134.74	
32 31 56 00-0009			Studded Steel T-Posts, Enamel Paint Finish <small>(32 31 56 00-0001)</small>		
			Note: Posts for barb wire, chain link or welded wire mesh.		
32 31 56 00-0010	EA		5' Studded Steel T-Post, Driven Into Earth	19.21	
32 31 56 00-0011	EA		5'-6" Studded Steel T-Post, Driven Into Earth.....	19.67	
32 31 56 00-0012	EA		6' Studded Steel T-Post, Driven Into Earth	20.47	
32 31 56 00-0013	EA		6'-6" Studded Steel T-Post, Driven Into Earth.....	21.26	
32 31 56 00-0014	EA		7' Studded Steel T-Post, Driven Into Earth	22.28	
32 31 56 00-0015	EA		8' Studded Steel T-Post, Driven Into Earth	24.92	
32 31 56 00-0016	EA		10' Studded Steel T-Post, Driven Into Earth	29.67	
32 31 56 00-0017			Barbed Wire <small>(32 31 56 00-0001)</small>		
			Note: Per strand.		
32 31 56 00-0018	LF		Galvanized Barbed Wire For Wild Life Deterrent Fencing, Per Strand	0.68	0.31
32 31 56 00-0019	LF		Vinyl Coated Barbed Wire, For Wild Life Deterrent Fencing, Per Strand.....	0.76	0.31
32 31 56 00-0020			Barbed Wire Fence, Farm Style, With Wood Posts <small>(32 31 56 00-0001)</small>		
			Note: Based on post at 10' centers, two corner post and two pull post per 300 lf.		
32 31 56 00-0021	LF		4'-6" Height, Three (3) Strand Barbed Wire Fence With Wood Posts.....	8.32	2.04
			Note: Posts at 10' maximum.		
32 32			Retaining Walls <small>(32 30)</small>		
32 32 13			Cast-In-Place Concrete Retaining Wall <small>(32 32)</small>		
			Note: System elements include all necessary forms (4 uses), 3000 PSI concrete with an 8" chute, all necessary reinforcing steel, and underdrain. Exposed concrete is patched and rubbed. Excludes initial site grading, subbase preparation or finish grading.		
32 32 13 00-0001	LF		4' High With Base, 10" Thick Reinforced	304.88	108.24
			For >3:1 Sloped Soil At Top, Add	7.52	
32 32 13 00-0002	LF		6' High With Base, 10" Thick Reinforced	380.69	133.20
			For >3:1 Sloped Soil At Top, Add	9.71	



		Exterior Improvements	32
		Site Improvements	32 30
		Retaining Walls	32 32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 13 00-0003	LF		8' High With Base, 10" Thick Reinforced <i>For >3:1 Sloped Soil At Top, Add</i>	414.98 10.85	143.67
32 32 13 00-0004	LF		10' High With Base, 13" Thick Reinforced <i>For >3:1 Sloped Soil At Top, Add</i>	529.79 14.84	177.64
32 32 13 00-0005	LF		12' High With Base, 14" Thick Reinforced <i>For >3:1 Sloped Soil At Top, Add</i>	610.71 17.22	204.05
32 32 13 00-0006	LF		16' High With Base, 16" Thick Reinforced <i>For >3:1 Sloped Soil At Top, Add</i>	882.62 24.14	299.34
32 32 13 00-0007	LF		20' High With Base, 18" Thick Reinforced <i>For >3:1 Sloped Soil At Top, Add</i>	1,211.13 32.69	413.26
32 32 13 00-0008	LF		4' High With Base, 12" Thick Reinforced <i>For >3:1 Sloped Soil At Top, Add</i>	335.18 8.39	118.21
32 32 13 00-0009	LF		6' High With Base, 12" Thick Reinforced <i>For >3:1 Sloped Soil At Top, Add</i>	410.76 10.71	142.44
32 32 13 00-0010	LF		8' High With Base, 12" Thick Reinforced <i>For >3:1 Sloped Soil At Top, Add</i>	435.41 11.75	148.61
32 32 13 00-0011	LF		10' High With Base, 16" Thick Reinforced <i>For >3:1 Sloped Soil At Top, Add</i>	600.12 17.14	199.18
32 32 13 00-0012	LF		12' High With Base, 18" Thick Reinforced <i>For >3:1 Sloped Soil At Top, Add</i>	760.23 21.13	255.84
32 32 13 00-0013	LF		16' High With Base, 21" Thick Reinforced <i>For >3:1 Sloped Soil At Top, Add</i>	1,139.04 30.90	387.80
32 32 13 00-0014	LF		20' High With Base, 24" Thick Reinforced <i>For >3:1 Sloped Soil At Top, Add</i>	1,607.51 43.58	547.40

32 32 16 Precast Concrete Retaining Walls (32 32)

32 32 16 00-0001	Precast Retaining Walls (32 32 16)			
Note: Tied-back earth walls. Includes precast filter fabric, soil reinforcing mesh and cast-in-place coping. Excludes concrete leveling pad, or select earth excavation and backfill.				
32 32 16 00-0002	SF	Precast Concrete Retaining Walls, 10-15' High Tied-back Earth Walls	67.37	10.69
32 32 16 00-0003	SF	Precast Concrete Retaining Walls, 16-20' High Tied-back Earth Walls	68.88	8.59
32 32 16 00-0004	SF	Precast Concrete Retaining Walls, 21-25' High Tied-back Earth Walls	71.21	7.16
32 32 16 00-0005	SF	Precast Concrete Retaining Walls, 26-30' High Tied-back Earth Walls	76.92	7.16
32 32 16 00-0006	SF	Precast Concrete Retaining Walls, >30' High Tied-back Earth Walls	81.20	6.11

32 32 23 Segmental Retaining Walls (32 32)

32 32 23 13 Segmental Concrete Unit Masonry Retaining Walls (32 32 23)

32 32 23 13-0001	Modular Retaining Wall Systems (32 32 23 13)			
Note: Includes installation, material and manufacturer's wall design. Includes stone wall, cap stones, #57 stone backing, Geo-Grid (2/3 height of wall), miradrain and fill with earth, and compaction. Includes cap at top, pins, and installation. Excludes initial site grading, subbase preparation or finish grading.				
32 32 23 13-0002	"Amastone" Type Modular Retaining Wall Systems (32 32 23 13-0001)			
32 32 23 13-0003	SF	Up To 4' Height "Amastone" Type Modular Retaining Wall System	26.24	7.21
			1.00	
32 32 23 13-0004	SF	4 To 8' Height "Amastone" Type Modular Retaining Wall System	27.66	7.59
			1.06	
32 32 23 13-0005	SF	8 To 12' Height "Amastone" Type Modular Retaining Wall System	29.47	8.35
			1.08	
32 32 23 13-0006	SF	12 To 16' Height "Amastone" Type Modular Retaining Wall System	31.30	9.12
			1.11	
32 32 23 13-0007	"Diamond" Type Modular Retaining Wall Systems (32 32 23 13-0001)			
32 32 23 13-0008	SF	Up To 4' Height "Diamond" Type Modular Retaining Wall System	26.86	7.21
			1.06	
32 32 23 13-0009	SF	4 To 8' Height "Diamond" Type Modular Retaining Wall System	28.28	7.59
			1.11	
32 32 23 13-0010	SF	8 To 12' Height "Diamond" Type Modular Retaining Wall System	30.08	8.35
			1.14	
32 32 23 13-0011	SF	12 To 16' Height "Diamond" Type Modular Retaining Wall System	31.92	9.12
			1.16	
32 32 23 13-0012	"Keystone" Type Modular Retaining Wall Systems (32 32 23 13-0001)			
32 32 23 13-0013	SF	Up To 4' Height "Keystone" Type Modular Retaining Wall System	28.34	7.21
			1.18	
32 32 23 13-0014	SF	4 To 8' Height "Keystone" Type Modular Retaining Wall System	29.76	7.59
			1.24	
32 32 23 13-0015	SF	8 To 12' Height "Keystone" Type Modular Retaining Wall System	31.56	8.35
			1.26	
32 32 23 13-0016	SF	12 To 16' Height "Keystone" Type Modular Retaining Wall System	33.39	9.12
			1.29	
32 32 23 13-0017	"Criblock" Type Modular Retaining Wall Systems (32 32 23 13-0001)			
32 32 23 13-0018	SF	Up To 4' Height "Criblock" Type Modular Retaining Wall System	26.24	7.21
			1.00	
			0.25	

32 Exterior Improvements**32 30 Site Improvements****32 32 Retaining Walls**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 23 13-0019 SF 4 To 8' Height "Criblock" Type Modular Retaining Wall System	27.66	7.59
For >3:1 Sloped Soil At Top, Add	1.06	
For Gravel Backfill Instead Of Earth, Add	0.25	
32 32 23 13-0020 SF 8 To 12' Height "Criblock" Type Modular Retaining Wall System	29.47	8.35
For >3:1 Sloped Soil At Top, Add	1.08	
For Gravel Backfill Instead Of Earth, Add	0.25	
32 32 23 13-0021 SF 12 To 16' Height "Criblock" Type Modular Retaining Wall System	31.30	9.12
For >3:1 Sloped Soil At Top, Add	1.11	
For Gravel Backfill Instead Of Earth, Add	0.25	
32 32 23 13-0022 "Versa-Lok" Type Modular Retaining Wall Systems (32 32 23 13-0001)		
32 32 23 13-0023 SF Up To 4' Height "Versa-Lok" Type Modular Retaining Wall System	24.37	7.21
For >3:1 Sloped Soil At Top, Add	0.84	
32 32 23 13-0024 SF 4 To 8' Height "Versa-Lok" Type Modular Retaining Wall System	26.41	7.59
For >3:1 Sloped Soil At Top, Add	0.95	
32 32 23 13-0025 SF 8 To 12' Height "Versa-Lok" Type Modular Retaining Wall System	28.22	8.35
For >3:1 Sloped Soil At Top, Add	0.98	
32 32 23 13-0026 SF 12 To 16' Height "Versa-Lok" Type Modular Retaining Wall System	29.94	9.12
For >3:1 Sloped Soil At Top, Add	1.00	
32 32 23 13-0027 Retaining Wall Cap Block Restoration (32 32 23 13-0001)		
Note: Includes removal of existing cap block and installation of new cap block to match.		
32 32 23 13-0028 LF Removal And Reinstall Retaining Wall Cap Block And Pins	25.72	
For >3:1 Sloped Soil At Top, Add	1.27	
32 32 26 Metal Crib Retaining Walls (32 32)		
32 32 26 00-0001 Bin Type Retaining Wall (32 32 26)		
32 32 26 00-0002 Vertical Bin Walls (32 32 26 00-0001)		
Note: Excludes excavation and backfill.		
32 32 26 00-0003 SF 5.5' Vertical Bin Retaining Wall, Wall Heights To 11'	47.20	
32 32 26 00-0004 SF 7.7' Vertical Bin Retaining Wall, Wall Heights, 8.33' To 16.33'	54.91	
32 32 26 00-0005 SF 9.9' Vertical Bin Retaining Wall, Wall Heights, 13.67' To 21.67'	63.85	
32 32 26 00-0006 SF 12.1' Vertical Bin Retain Wall, Wall Heights 17.67' To 25.67'	68.47	
32 32 26 00-0007 SF 14.3' Vertical Bin Retain Wall, Wall Heights 20.33' To 28.33'	76.80	
32 32 26 00-0008 SF 16.5' Vertical Bin Retain Wall, Wall Heights 20.33' To 28.33'	81.43	
32 32 26 00-0009 Battered Bin Walls (32 32 26 00-0001)		
Note: Excludes excavation and backfill.		
32 32 26 00-0010 SF 5.5' Battered Bin Retain Wall, Wall Heights To 11'	43.19	
32 32 26 00-0011 SF 7.7' Battered Bin Retain Wall, Wall Heights 8.33' To 16.33'	46.27	
32 32 26 00-0012 SF 9.9' Battered Bin Retain Wall, Wall Heights 13.67' To 21.67'	52.06	
32 32 26 00-0013 SF 12.1' Battered Bin Retain Wall, Wall Heights 17.67' To 25.67'	57.46	
32 32 26 00-0014 SF 14.3' Battered Bin Retain Wall, Wall Heights 20.33' To 28.33'	67.35	
32 32 26 00-0015 SF 16.5' Battered Bin Retain Wall, Wall Heights 20.33' To 28.33'	68.89	
32 32 26 00-0016 Aluminized Steel Bin (32 32 26)		
Note: Excludes excavation and backfill.		
32 32 26 00-0017 SF 4' High, 5.5' Deep Aluminized Steel Bin	24.40	4.00
For >3:1 Sloped Soil At Top, Add	1.39	
For Galvanized Type, Deduct	-1.64	
32 32 26 00-0018 SF 8' High, 5.5' Deep Aluminized Steel Bin	26.98	4.00
For >3:1 Sloped Soil At Top, Add	1.61	
For Galvanized Type, Deduct	-1.89	
32 32 26 00-0019 SF 10' High, 7.7' Deep Aluminized Steel Bin	28.84	4.38
For >3:1 Sloped Soil At Top, Add	1.71	
For Galvanized Type, Deduct	-2.01	
32 32 26 00-0020 SF 12' High, 7.7' Deep Aluminized Steel Bin	32.83	4.93
For >3:1 Sloped Soil At Top, Add	1.95	
For Galvanized Type, Deduct	-2.30	
32 32 26 00-0021 SF 16' High, 7.7' Deep Aluminized Steel Bin	31.88	5.12
For >3:1 Sloped Soil At Top, Add	1.85	
For Galvanized Type, Deduct	-2.17	
32 32 26 00-0022 SF 16' High, 9.9' Deep Aluminized Steel Bin	35.14	5.21
For >3:1 Sloped Soil At Top, Add	2.11	
For Galvanized Type, Deduct	-2.48	
32 32 26 00-0023 SF 20' High, 9.9' Deep Aluminized Steel Bin	38.81	5.49
For >3:1 Sloped Soil At Top, Add	2.36	
For Galvanized Type, Deduct	-2.78	
32 32 26 00-0024 SF 20' High, 12.1' Deep Aluminized Steel Bin	39.79	5.78
For >3:1 Sloped Soil At Top, Add	2.41	
For Galvanized Type, Deduct	-2.83	
32 32 26 00-0025 SF 24' High, 12.1' Deep Aluminized Steel Bin	41.66	5.78
For >3:1 Sloped Soil At Top, Add	2.56	
For Galvanized Type, Deduct	-3.01	
32 32 26 00-0026 SF 24' High, 14.3' Deep Aluminized Steel Bin	43.52	5.87
For >3:1 Sloped Soil At Top, Add	2.71	
For Galvanized Type, Deduct	-3.19	



		Exterior Improvements	32
		Site Improvements	32 30
		Retaining Walls	32 32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 26 00-0027	SF		28' High, 14.3' Deep Aluminized Steel Bin..... <i>For >3:1 Sloped Soil At Top, Add</i> <i>For Galvanized Type, Deduct</i>	44.89 2.81 -3.31	5.95
32 32 29 Timber Retaining Walls (32 32)					
32 32 29 00-0001 Wood Post Retaining Walls (32 32 29)					
Note: System elements include wood posts installed side-by-side to various heights, and underdrain. Excludes initial site grading, subbase preparation or finish grading.					
32 32 29 00-0002	LF		4" x 4", 1' High, Redwood, Wood Post Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	66.35 1.54	24.18
32 32 29 00-0003	LF		4" x 4", 2' High, Redwood, Wood Post Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	129.87 2.99	47.35
32 32 29 00-0004	LF		4" x 4", 1' High, Cedar, Wood Post Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	64.05 1.34	24.18
32 32 29 00-0005	LF		4" x 4", 2' High, Cedar, Wood Post Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	125.39 2.61	47.35
32 32 29 00-0006	LF		4" x 4", 1' High, Pressure Treated Lumber, Wood Post Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	67.43 2.14	21.13
32 32 29 00-0007	LF		4" x 4", 2' High, Pressure Treated Lumber, Wood Post Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	132.03 4.19	41.32
32 32 29 00-0008	LF		4" x 4", 1' High, Creosoted Lumber, Wood Post Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	52.78 1.30	18.75
32 32 29 00-0009	LF		4" x 4", 2' High, Creosoted Lumber, Wood Post Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	95.42 2.34	33.94
32 32 29 00-0010	LF		6" x 6", 2' High, Redwood, Wood Post Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	173.63 5.01	57.36
32 32 29 00-0011	LF		6" x 6", 4' High, Redwood, Wood Post Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	342.64 10.02	112.44
32 32 29 00-0012	LF		6" x 6", 2' High, Cedar, Wood Post Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	171.07 4.79	57.36
32 32 29 00-0013	LF		6" x 6", 4' High, Cedar, Wood Post Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	336.24 9.47	112.44
32 32 29 00-0014	LF		6" x 6", 2' High, Pressure Treated Lumber, Wood Post Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	173.23 6.80	46.58
32 32 29 00-0015	LF		6" x 6", 4' High, Pressure Treated Lumber, Wood Post Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	344.07 13.60	91.98
32 32 29 00-0016	LF		6" x 6", 2' High, Creosoted Lumber, Wood Post Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	118.78 3.76	37.25
32 32 29 00-0017	LF		6" x 6", 4' High, Creosoted Lumber, Wood Post Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	233.53 7.46	72.89
32 32 29 00-0018	LF		8" x 8", 4' High, Redwood, Wood Post Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	424.18 14.92	124.31
32 32 29 00-0019	LF		8" x 8", 6' High, Redwood, Wood Post Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	793.34 27.99	232.08
32 32 29 00-0020	LF		8" x 8", 4' High, Cedar, Wood Post Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	411.37 13.83	124.31
32 32 29 00-0021	LF		8" x 8", 6' High, Cedar, Wood Post Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	769.00 25.92	232.08
32 32 29 00-0022	LF		8" x 8", 4' High, Pressure Treated Lumber, Wood Post Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	476.66 16.14	143.41
32 32 29 00-0023	LF		8" x 8", 6' High, Pressure Treated Lumber, Wood Post Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	889.23 30.06	267.80
32 32 29 00-0024	LF		8" x 8", 4' High, Creosoted Lumber, Wood Post Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	337.50 8.98	115.91
32 32 29 00-0025	LF		8" x 8", 6' High, Creosoted Lumber, Wood Post Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	625.98 16.66	215.02
32 32 29 00-0026	LF		4' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	127.65 2.72	47.78
32 32 29 00-0027	LF		6' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	190.83 4.03	71.70
32 32 29 00-0028	LF		8' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	253.92 5.34	95.54
32 32 29 00-0029	LF		4' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	85.42 2.67	26.99
32 32 29 00-0030	LF		6' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	124.04 3.92	38.95
32 32 29 00-0031	LF		8' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	167.93 5.34	52.61
32 32 29 00-0032 Post And Board Retaining Walls (32 32 29)					
Note: System includes all the elements that must go into a wall that resists lateral pressure. System elements include posts and boards, cap, underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.					
32 32 29 00-0033	LF		4" x 4" Post, 4' Spacing, 3' High, 2" Planking, Redwood, Post And Board Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	51.93 1.98	14.34
32 32 29 00-0034	LF		4" x 4" Post, 2' Spacing, 4' High, 2" Planking, Redwood, Post And Board Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	80.38 2.67	24.52
32 32 29 00-0035	LF		6" x 6" Post, 4' Spacing, 5' High 2" Planking, Redwood, Post And Board Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	105.16 3.76	30.46
32 32 29 00-0036	LF		6" x 6" Post, 3' Spacing, 6' High, 2" Planking, Redwood, Post And Board Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	147.14 5.17	43.19

32 Exterior Improvements**32 30 Site Improvements****32 32 Retaining Walls**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0037	LF		6" x 6" With Deadman, 3' Spacing, 8' High, 2" Planking, Redwood, Post And Board Retaining Walls.....	192.40	56.18
			<i>For >3:1 Sloped Soil At Top, Add</i>	6.81	
32 32 29 00-0038	LF		8" x 8" Post, 2' Spacing, 8' High, 2" Planking, Redwood, Post And Board Retaining Walls.....	393.98	111.16
			<i>For >3:1 Sloped Soil At Top, Add</i>	14.59	
32 32 29 00-0039	LF		8" x 8" With Deadman, 2' Spacing, 9' High, 2" Planking, Redwood, Post And Board Retaining Walls.....	444.77	123.12
			<i>For >3:1 Sloped Soil At Top, Add</i>	16.88	
32 32 29 00-0040	LF		4" x 4" Post, 4' Spacing, 3' High, 2" Planking, Cedar, Post And Board Retaining Walls	52.81	14.94
			<i>For >3:1 Sloped Soil At Top, Add</i>	1.95	
32 32 29 00-0041	LF		4" x 4" With Deadman, 2' Spacing, 4' High 2" Planking, Cedar, Post And Board Retaining Walls.....	92.78	26.56
			<i>For >3:1 Sloped Soil At Top, Add</i>	3.38	
32 32 29 00-0042	LF		6" x 6" Post, 4' Spacing, 4' High 2" Planking, Cedar, Post And Board Retaining Walls	91.18	26.05
			<i>For >3:1 Sloped Soil At Top, Add</i>	3.32	
32 32 29 00-0043	LF		6" x 6" Post, 3' Spacing, 5' High 2" Planking, Cedar, Post And Board Retaining Walls	128.00	37.42
			<i>For >3:1 Sloped Soil At Top, Add</i>	4.52	
32 32 29 00-0044	LF		6" x 6" Post, 2' Spacing, 6' High 2" Planking, Cedar, Post And Board Retaining Walls	199.59	59.74
			<i>For >3:1 Sloped Soil At Top, Add</i>	6.81	
32 32 29 00-0045	LF		6 x 6 Post With Deadman, 3' Spacing, 6' High, 2" Planking, Cedar	157.76	45.91
			<i>For >3:1 Sloped Soil At Top, Add</i>	5.61	
32 32 29 00-0046	LF		8 x 8 Post With Deadman, 2' Spacing, 8' High, 2" Planking, Cedar	407.49	114.72
			<i>For >3:1 Sloped Soil At Top, Add</i>	15.14	
32 32 29 00-0047	LF		4 x 4 Post, 4' Spacing, 3' High 2" Planking, Pressure Treated.....	68.35	27.58
			<i>For >3:1 Sloped Soil At Top, Add</i>	1.12	
32 32 29 00-0048	LF		4 x 4 Post, 3' Spacing, 4' High 2" Planking, Pressure Treated.....	98.72	39.20
			<i>For >3:1 Sloped Soil At Top, Add</i>	1.73	
32 32 29 00-0049	LF		4 x 4 Post With Deadman, 2' Space, 5' High, 2" Planking, Pressure Treat.....	142.78	53.80
			<i>For >3:1 Sloped Soil At Top, Add</i>	2.99	
32 32 29 00-0050	LF		6 x 6 Post, 3' Spacing, 6' High, 2" Planking, Pressure Treated.....	250.17	90.79
			<i>For >3:1 Sloped Soil At Top, Add</i>	5.83	
32 32 29 00-0051	LF		6 x 6 Post, 2' Spacing, 7' High, 2" Planking, Pressure Treated.....	253.37	90.79
			<i>For >3:1 Sloped Soil At Top, Add</i>	6.10	
32 32 29 00-0052	LF		6 x 6 Post With Deadman, 3' Spacing 8' High, 2" Planking, Pressure Treat	238.56	87.23
			<i>For >3:1 Sloped Soil At Top, Add</i>	5.45	
32 32 29 00-0053	LF		8 x 8 Post With Deadman, 2' Spacing 10' High, 2" Planking, Pressure Treated	560.16	200.68
			<i>For >3:1 Sloped Soil At Top, Add</i>	13.50	
32 32 29 00-0054	LF		4 x 4 Post, 4' Spacing, 3' High Creosoted 2" Planking.....	68.35	27.58
			<i>For >3:1 Sloped Soil At Top, Add</i>	1.12	
32 32 29 00-0055	LF		4 x 4 Post, 3' Spacing, 4' High Creosoted, 2" Planking.....	98.72	39.20
			<i>For >3:1 Sloped Soil At Top, Add</i>	1.73	
32 32 29 00-0056	LF		4 x 4 Post With Deadman, 2' Spacing, 5' High, Creosoted, 2" Planking	142.78	53.80
			<i>For >3:1 Sloped Soil At Top, Add</i>	2.99	
32 32 29 00-0057	LF		6 x 6 Post, 3' Spacing, 6' High Creosoted, 2" Planking.....	179.32	66.95
			<i>For >3:1 Sloped Soil At Top, Add</i>	3.87	
32 32 29 00-0058	LF		6" x 6" Post, 2' Spacing, 7' High, 2" Planking, Creosoted, Post And Board Retaining Walls.....	250.17	90.79
			<i>For >3:1 Sloped Soil At Top, Add</i>	5.83	
32 32 29 00-0059	LF		6" x 6" Post With Deadman, 3' Spacing, 8' High, 2" Planking, Creosoted, Post And Board Retaining Walls	238.56	87.23
			<i>For >3:1 Sloped Soil At Top, Add</i>	5.45	
32 32 29 00-0060	LF		8" x 8" Post With Deadman, 2' Spacing, 10' High, Creosoted, 2" Planking, Post And Board Retaining Walls	560.16	200.68
			<i>For >3:1 Sloped Soil At Top, Add</i>	13.50	
32 32 29 00-0061			Wood Tie Retaining Walls, Rod Connector At 4' <small>(32 32 29)</small> Note: The system includes all the elements that must go into a wall that resists lateral pressure. System elements include: wood ties, threaded rod (1/2" diameter), underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.		
32 32 29 00-0062			Redwood <small>(32 32 29 00-0061)</small>		
32 32 29 00-0063	LF		2' High, 6" x 6" Wood Tie Wall	89.55	29.36
			<i>For >3:1 Sloped Soil At Top, Add</i>	2.61	
32 32 29 00-0064	LF		4' High, 6" x 6" Wood Tie Wall Deadman At 6'.....	204.30	66.95
			<i>For >3:1 Sloped Soil At Top, Add</i>	5.99	
32 32 29 00-0065	LF		6' High, 6" x 6" Wood Tie Wall Deadman At 6'.....	305.86	100.38
			<i>For >3:1 Sloped Soil At Top, Add</i>	8.93	
32 32 29 00-0066	LF		4' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	293.77	86.04
			<i>For >3:1 Sloped Soil At Top, Add</i>	10.34	
32 32 29 00-0067	LF		6' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	441.39	129.06
			<i>For >3:1 Sloped Soil At Top, Add</i>	15.57	
32 32 29 00-0068	LF		8' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	582.79	169.71
			<i>For >3:1 Sloped Soil At Top, Add</i>	20.69	
32 32 29 00-0069			Cedar <small>(32 32 29 00-0061)</small>		
32 32 29 00-0070	LF		2' High, 6" x 6" Wood Tie Wall	88.27	29.36
			<i>For >3:1 Sloped Soil At Top, Add</i>	2.50	
32 32 29 00-0071	LF		4' High, 6" x 6" Wood Tie Wall Deadman At 6'.....	200.46	66.95
			<i>For >3:1 Sloped Soil At Top, Add</i>	5.66	
32 32 29 00-0072	LF		6' High, 6" x 6" Wood Tie Wall Deadman At 6'.....	300.74	100.38
			<i>For >3:1 Sloped Soil At Top, Add</i>	8.49	
32 32 29 00-0073	LF		4' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	284.81	86.04
			<i>For >3:1 Sloped Soil At Top, Add</i>	9.58	
32 32 29 00-0074	LF		6' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	428.58	129.06
			<i>For >3:1 Sloped Soil At Top, Add</i>	14.48	
32 32 29 00-0075	LF		8' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	564.85	169.71
			<i>For >3:1 Sloped Soil At Top, Add</i>	19.16	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0076	Creosoted Wood <small>(32 32 29 00-0061)</small>			
	LF 2' High, 6" x 8" Wood Tie Wall	99.76	38.95	
	<i>For >3:1 Sloped Soil At Top, Add</i>	1.86		
	LF 4' High, 6" x 8" Wood Tie Wall Deadman At 6'	228.60	89.61	
	<i>For >3:1 Sloped Soil At Top, Add</i>	4.19		
	LF 6' High, 6" x 8" Wood Tie Wall Deadman At 6'	338.93	132.63	
	<i>For >3:1 Sloped Soil At Top, Add</i>	6.26		
	LF 4' High, 7" x 9" Wood Tie Wall Deadman At 6'	459.51	180.40	
	<i>For >3:1 Sloped Soil At Top, Add</i>	8.38		
	LF 6' High, 7" x 9" Wood Tie Wall Deadman At 6'	669.05	262.80	
	<i>For >3:1 Sloped Soil At Top, Add</i>	12.20		
	LF 8' High, 7" x 9" Wood Tie Wall Deadman At 6'	887.74	348.41	
	<i>For >3:1 Sloped Soil At Top, Add</i>	16.22		
32 32 29 00-0083	Pressure Treated Wood <small>(32 32 29 00-0061)</small>			
	LF 2' High, 6" x 6" Wood Tie Wall	77.42	24.27	
	<i>For >3:1 Sloped Soil At Top, Add</i>	2.46		
	LF 4' High, 6" x 6" Wood Tie Wall Deadman At 6'	175.92	54.98	
	<i>For >3:1 Sloped Soil At Top, Add</i>	5.61		
	LF 6' High, 6" x 6" Wood Tie Wall Deadman At 6'	263.55	82.48	
	<i>For >3:1 Sloped Soil At Top, Add</i>	8.38		
	LF 4' High, 8" x 8" Wood Tie Wall Deadman At 6'	288.63	99.19	
	<i>For >3:1 Sloped Soil At Top, Add</i>	7.68		
	LF 6' High, 8" x 8" Wood Tie Wall Deadman At 6'	433.49	148.24	
	<i>For >3:1 Sloped Soil At Top, Add</i>	11.65		
	LF 8' High, 8" x 8" Wood Tie Wall Deadman At 6'	574.83	197.12	
	<i>For >3:1 Sloped Soil At Top, Add</i>	15.35		
32 32 53	Stone Retaining Walls <small>(32 32)</small>			
32 32 53 00-0001	Stone Retaining Walls <small>(32 32 53)</small>			
	Note: Construction is either dry set or mortar set. System elements include concrete base, crushed stone, underdrain, and backfill. Standard design to have 12" thick top with vertical backside and sloped face at 2" per foot of height. Excludes initial site grading, subbase preparation or finish grading.			
32 32 53 00-0002	Stone Retaining Walls <small>(32 32 53 00-0001)</small>			
	Note: Stone at \$16.00/ton.			
	LF \$16.00/ton 3' High Stone Retaining Wall, Dry Set	369.97	170.94	
	<i>For >3:1 Sloped Soil At Top, Add</i>	2.38		
	LF \$16.00/ton 4' High Stone Retaining Wall, Dry Set	437.41	203.37	
	<i>For >3:1 Sloped Soil At Top, Add</i>	2.60		
	LF \$16.00/ton 6' High Stone Retaining Wall, Dry Set	576.22	270.19	
	<i>For >3:1 Sloped Soil At Top, Add</i>	3.05		
	LF \$16.00/ton 8' High Stone Retaining Wall, Dry Set	891.25	422.46	
	<i>For >3:1 Sloped Soil At Top, Add</i>	3.93		
	LF \$16.00/ton 10' High Stone Retaining Wall, Dry Set	1,160.04	552.62	
	<i>For >3:1 Sloped Soil At Top, Add</i>	4.65		
	LF \$16.00/ton 12' High Stone Retaining Wall, Dry Set	1,440.92	688.17	
	<i>For >3:1 Sloped Soil At Top, Add</i>	5.48		
	LF \$16.00/ton 3' High Stone Retaining Wall, Mortar Set.....	330.73	151.35	
	<i>For >3:1 Sloped Soil At Top, Add</i>	2.38		
	LF \$16.00/ton 4' High Stone Retaining Wall, Mortar Set.....	388.81	179.07	
	<i>For >3:1 Sloped Soil At Top, Add</i>	2.60		
	LF \$16.00/ton 6' High Stone Retaining Wall, Mortar Set.....	504.48	234.27	
	<i>For >3:1 Sloped Soil At Top, Add</i>	3.05		
	LF \$16.00/ton 8' High Stone Retaining Wall, Mortar Set.....	775.77	364.75	
	<i>For >3:1 Sloped Soil At Top, Add</i>	3.93		
	LF \$16.00/ton 10' High Stone Retaining Wall, Mortar Set.....	998.05	471.67	
	<i>For >3:1 Sloped Soil At Top, Add</i>	4.65		
	LF \$16.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,241.11	588.31	
	<i>For >3:1 Sloped Soil At Top, Add</i>	5.48		
32 32 53 00-0015	Stone Retaining Walls <small>(32 32 53 00-0001)</small>			
	Note: Stone at \$32.00/ton.			
	LF \$32.00/ton 3' High Stone Retaining Wall, Dry Set	378.44	170.94	
	<i>For >3:1 Sloped Soil At Top, Add</i>	3.10		
	LF \$32.00/ton 4' High Stone Retaining Wall, Dry Set	449.14	203.37	
	<i>For >3:1 Sloped Soil At Top, Add</i>	3.60		
	LF \$32.00/ton 6' High Stone Retaining Wall, Dry Set	593.16	270.19	
	<i>For >3:1 Sloped Soil At Top, Add</i>	4.49		
	LF \$32.00/ton 8' High Stone Retaining Wall, Dry Set	916.01	422.46	
	<i>For >3:1 Sloped Soil At Top, Add</i>	6.04		
	LF \$32.00/ton 10' High Stone Retaining Wall, Dry Set	1,193.93	552.62	
	<i>For >3:1 Sloped Soil At Top, Add</i>	7.53		
	LF \$32.00/ton 12' High Stone Retaining Wall, Dry Set	1,483.94	688.17	
	<i>For >3:1 Sloped Soil At Top, Add</i>	9.14		
	LF \$32.00/ton 3' High Stone Retaining Wall, Mortar Set.....	339.20	151.35	
	<i>For >3:1 Sloped Soil At Top, Add</i>	3.10		
	LF \$32.00/ton 4' High Stone Retaining Wall, Mortar Set.....	400.54	179.07	
	<i>For >3:1 Sloped Soil At Top, Add</i>	3.60		

32 Exterior Improvements**32 30 Site Improvements****32 32 Retaining Walls**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 53 00-0024 LF \$32.00/ton 6' High Stone Retaining Wall, Mortar Set.....	521.42	234.27
<i>For >3:1 Sloped Soil At Top, Add</i>	4.49	
32 32 53 00-0025 LF \$32.00/ton 8' High Stone Retaining Wall, Mortar Set.....	800.53	364.75
<i>For >3:1 Sloped Soil At Top, Add</i>	6.04	
32 32 53 00-0026 LF \$32.00/ton 10' High Stone Retaining Wall, Mortar Set.....	1,031.94	471.67
<i>For >3:1 Sloped Soil At Top, Add</i>	7.53	
32 32 53 00-0027 LF \$32.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,284.13	588.31
<i>For >3:1 Sloped Soil At Top, Add</i>	9.14	
32 32 53 00-0028 Stone Retaining Walls (32 32 53 00-0001)		
Note: Stone at \$48.00/ton.		
32 32 53 00-0029 LF \$48.00/ton 3' High Stone Retaining Wall, Dry Set.....	387.56	170.94
<i>For >3:1 Sloped Soil At Top, Add</i>	3.88	
32 32 53 00-0030 LF \$48.00/ton 4' High Stone Retaining Wall, Dry Set.....	460.75	203.37
<i>For >3:1 Sloped Soil At Top, Add</i>	4.59	
32 32 53 00-0031 LF \$48.00/ton 6' High Stone Retaining Wall, Dry Set.....	609.46	270.19
<i>For >3:1 Sloped Soil At Top, Add</i>	5.87	
32 32 53 00-0032 LF \$48.00/ton 8' High Stone Retaining Wall, Dry Set.....	940.78	422.46
<i>For >3:1 Sloped Soil At Top, Add</i>	8.14	
32 32 53 00-0033 LF \$48.00/ton 10' High Stone Retaining Wall, Dry Set.....	1,227.82	552.62
<i>For >3:1 Sloped Soil At Top, Add</i>	10.42	
32 32 53 00-0034 LF \$48.00/ton 12' High Stone Retaining Wall, Dry Set.....	1,527.61	688.17
<i>For >3:1 Sloped Soil At Top, Add</i>	12.85	
32 32 53 00-0035 LF \$48.00/ton 3' High Stone Retaining Wall, Mortar Set.....	348.32	151.35
<i>For >3:1 Sloped Soil At Top, Add</i>	3.88	
32 32 53 00-0036 LF \$48.00/ton 4' High Stone Retaining Wall, Mortar Set.....	412.28	179.07
<i>For >3:1 Sloped Soil At Top, Add</i>	4.60	
32 32 53 00-0037 LF \$48.00/ton 6' High Stone Retaining Wall, Mortar Set.....	537.72	234.27
<i>For >3:1 Sloped Soil At Top, Add</i>	5.87	
32 32 53 00-0038 LF \$48.00/ton 8' High Stone Retaining Wall, Mortar Set.....	825.30	364.75
<i>For >3:1 Sloped Soil At Top, Add</i>	8.14	
32 32 53 00-0039 LF \$48.00/ton 10' High Stone Retaining Wall, Mortar Set.....	1,065.83	471.67
<i>For >3:1 Sloped Soil At Top, Add</i>	10.42	
32 32 53 00-0040 LF \$48.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,327.80	588.31
<i>For >3:1 Sloped Soil At Top, Add</i>	12.85	
32 32 53 00-0041 Stone Retaining Walls (32 32 53 00-0001)		
Note: Stone at \$64.00/ton.		
32 32 53 00-0042 LF \$64.00/ton 3' High Stone Retaining Wall, Dry Set.....	396.69	170.94
<i>For >3:1 Sloped Soil At Top, Add</i>	4.65	
32 32 53 00-0043 LF \$64.00/ton 4' High Stone Retaining Wall, Dry Set.....	459.57	203.37
<i>For >3:1 Sloped Soil At Top, Add</i>	4.49	
32 32 53 00-0044 LF \$64.00/ton 6' High Stone Retaining Wall, Dry Set.....	627.05	270.19
<i>For >3:1 Sloped Soil At Top, Add</i>	7.37	
32 32 53 00-0045 LF \$64.00/ton 8' High Stone Retaining Wall, Dry Set.....	966.85	422.46
<i>For >3:1 Sloped Soil At Top, Add</i>	10.36	
32 32 53 00-0046 LF \$64.00/ton 10' High Stone Retaining Wall, Dry Set.....	1,263.02	552.62
<i>For >3:1 Sloped Soil At Top, Add</i>	13.41	
32 32 53 00-0047 LF \$64.00/ton 12' High Stone Retaining Wall, Dry Set.....	1,571.93	688.17
<i>For >3:1 Sloped Soil At Top, Add</i>	16.62	
32 32 53 00-0048 LF \$64.00/ton 3' High Stone Retaining Wall, Mortar Set.....	357.45	151.35
<i>For >3:1 Sloped Soil At Top, Add</i>	4.65	
32 32 53 00-0049 LF \$64.00/ton 4' High Stone Retaining Wall, Mortar Set.....	424.01	179.07
<i>For >3:1 Sloped Soil At Top, Add</i>	5.60	
32 32 53 00-0050 LF \$64.00/ton 6' High Stone Retaining Wall, Mortar Set.....	555.31	234.27
<i>For >3:1 Sloped Soil At Top, Add</i>	7.37	
32 32 53 00-0051 LF \$64.00/ton 8' High Stone Retaining Wall, Mortar Set.....	851.37	364.75
<i>For >3:1 Sloped Soil At Top, Add</i>	10.36	
32 32 53 00-0052 LF \$64.00/ton 10' High Stone Retaining Wall, Mortar Set.....	1,101.03	471.67
<i>For >3:1 Sloped Soil At Top, Add</i>	13.41	
32 32 53 00-0053 LF \$64.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,372.12	588.31
<i>For >3:1 Sloped Soil At Top, Add</i>	16.62	
32 33 Site Furnishings (32 30)		
32 33 13 Site Bicycle Racks (32 33)		
32 33 13 00-0001 Bicycle Organizer And Rack (32 33 13)		
32 33 13 00-0002 Vertical Style Bike Racks Single/Double Sided, Galvanized (32 33 13 00-0001)		
32 33 13 00-0003 Double Sided (32 33 13 00-0002)		
32 33 13 00-0004 EA 5' Galvanized Steel Double Sided Bike Rack, 9 Bikes.....	501.54	98.65
32 33 13 00-0005 EA 10' Galvanized Steel Double Sided Bike Rack, 18 Bikes.....	760.39	162.05
32 33 13 00-0006 EA 20' Galvanized Steel Double Sided Bike Rack, 36 Bikes.....	1,300.76	246.61
32 33 13 00-0007 Single Sided (32 33 13 00-0002)		
32 33 13 00-0008 EA 5' Galvanized Steel Single Sided Bike Rack, 5 Bikes.....	439.51	88.07
32 33 13 00-0009 EA 10' Galvanized Steel Single Sided Bike Rack, 9 Bikes.....	626.86	146.56
32 33 13 00-0010 EA 20' Galvanized Steel Single Sided Bike Rack, 18 Bikes.....	1,067.19	220.18



Exterior Improvements		32
Site Improvements		32 30
Site Furnishings		32 33

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 13 00-0011 Anchor Set For Vertical Style Bike Rack <small>(32 33 13 00-0002)</small>		
32 33 13 00-0012 PR Anchor Set For Vertical Style Bike Rack..... Note: Anchoring frame to ground.	87.70	
32 33 13 00-0013 Bike Racks Ground Loop <small>(32 33 13 00-0001)</small>		
32 33 13 00-0014 EA 83" Ground Loop Bike Rack, Surface Or Wall Mounted, 12 Bikes..... Note: In-ground mount.	686.52	172.83
32 33 13 00-0015 Serpentine Bike Racks <small>(32 33 13 00-0001)</small>		
32 33 13 00-0016 Galvanized, 36" High, 2-3/8" OD Tubing <small>(32 33 13 00-0015)</small>		
32 33 13 00-0017 EA 1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Galvanized.....	384.42	105.68
32 33 13 00-0018 EA 3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Galvanized.....	513.16	114.50
32 33 13 00-0019 EA 5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Galvanized.....	641.90	123.31
32 33 13 00-0020 EA 7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Galvanized.....	786.51	132.11
32 33 13 00-0021 EA 9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Galvanized.....	931.13	140.92
32 33 13 00-0022 EA 11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Galvanized.....	1,012.25	149.72
32 33 13 00-0023 Galvanized, 42" High, 2-3/8" OD Tubing <small>(32 33 13 00-0015)</small>		
32 33 13 00-0024 EA 1' x 42" High Serpentine Bike Rack, 3 Bikes, Galvanized.....	430.96	105.68
32 33 13 00-0025 EA 3' x 42" High Serpentine Bike Rack, 5 Bikes, Galvanized.....	546.71	114.50
32 33 13 00-0026 EA 5' x 42" High Serpentine Bike Rack, 7 Bikes, Galvanized.....	662.47	123.31
32 33 13 00-0027 EA 7' x 42" High Serpentine Bike Rack, 9 Bikes, Galvanized.....	765.95	132.11
32 33 13 00-0028 EA 9' x 42" High Serpentine Bike Rack, 11 Bikes, Galvanized.....	881.70	140.92
32 33 13 00-0029 EA 11' x 42" High Serpentine Bike Rack, 13 Bikes, Galvanized.....	1,021.99	149.72
32 33 13 00-0030 Powder Coated, 36" High, 2-3/8" OD Tubing <small>(32 33 13 00-0015)</small>		
32 33 13 00-0031 EA 1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Powder Coated.....	384.42	105.68
32 33 13 00-0032 EA 3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Powder Coated.....	513.16	114.50
32 33 13 00-0033 EA 5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Powder Coated.....	641.90	123.31
32 33 13 00-0034 EA 7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Powder Coated.....	786.51	132.11
32 33 13 00-0035 EA 9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Powder Coated.....	931.13	140.92
32 33 13 00-0036 EA 11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Powder Coated.....	1,012.25	149.72
32 33 13 00-0037 Powder Coated, 42" High, 2-3/8" OD Tubing <small>(32 33 13 00-0015)</small>		
32 33 13 00-0038 EA 1' x 42" High Serpentine Bike Rack, 3 Bikes, Powder Coated.....	443.23	105.68
32 33 13 00-0039 EA 3' x 42" High Serpentine Bike Rack, 5 Bikes, Powder Coated.....	571.24	114.50
32 33 13 00-0040 EA 5' x 42" High Serpentine Bike Rack, 7 Bikes, Powder Coated.....	687.00	123.31
32 33 13 00-0041 EA 7' x 42" High Serpentine Bike Rack, 9 Bikes, Powder Coated.....	827.28	132.11
32 33 13 00-0042 EA 9' x 42" High Serpentine Bike Rack, 11 Bikes, Powder Coated.....	943.03	140.92
32 33 13 00-0043 EA 11' x 42" High Serpentine Bike Rack, 13 Bikes, Powder Coated.....	1,095.59	149.72
32 33 13 00-0044 Stainless Steel, 36" High, 2-3/8" OD Tubing <small>(32 33 13 00-0015)</small>		
32 33 13 00-0045 EA 1' x 36" High Serpentine Bike Rack, 3 Bikes, Stainless Steel.....	697.15	105.68
32 33 13 00-0046 EA 3' x 36" High Serpentine Bike Rack, 5 Bikes, Stainless Steel.....	1,026.70	114.50
32 33 13 00-0047 EA 5' x 36" High Serpentine Bike Rack, 7 Bikes, Stainless Steel.....	1,356.29	123.31
32 33 13 00-0048 EA 7' x 36" High Serpentine Bike Rack, 9 Bikes, Stainless Steel.....	1,730.42	132.11
32 33 13 00-0049 EA 9' x 36" High Serpentine Bike Rack, 11 Bikes, Stainless Steel.....	2,104.55	140.92
32 33 13 00-0050 EA 11' x 36" High Serpentine Bike Rack, 13 Bikes, Stainless Steel.....	2,300.43	149.72
32 33 13 00-0051 Stainless Steel, 42" High, 2-3/8" OD Tubing <small>(32 33 13 00-0015)</small>		
32 33 13 00-0052 EA 1' x 42" High Serpentine Bike Rack, 3 Bikes, Stainless Steel.....	553.63	105.68
32 33 13 00-0053 EA 3' x 42" High Serpentine Bike Rack, 5 Bikes, Stainless Steel.....	1,184.60	114.50
32 33 13 00-0054 EA 5' x 42" High Serpentine Bike Rack, 7 Bikes, Stainless Steel.....	1,545.71	123.31
32 33 13 00-0055 EA 7' x 42" High Serpentine Bike Rack, 9 Bikes, Stainless Steel.....	1,882.26	132.11
32 33 13 00-0056 EA 9' x 42" High Serpentine Bike Rack, 11 Bikes, Stainless Steel.....	2,231.09	140.92
32 33 13 00-0057 EA 11' x 42" High Serpentine Bike Rack, 13 Bikes, Stainless Steel.....	2,592.19	149.72
32 33 13 00-0058 Bike Racks Bollards/Bicycle Posts <small>(32 33 13 00-0001)</small>		
32 33 13 00-0059 EA 43" Overall Height, 4-1/2" Outside Diameter Bollard/Bicycle Post, 2 Loop Galvanized Steel Bollard (Belson BOL450-2R-IG-G)..... Note: In-ground mount.	396.00	79.27
32 33 23 Site Trash and Litter Receptacles <small>(32 33)</small>		
32 33 23 00-0001 Steel Trash Containment <small>(32 33 23)</small>		
32 33 23 00-0002 Steel Frame Surrounded With Kiln-Dried Wood <small>(32 33 23 00-0001)</small>		
32 33 23 00-0003 EA 13" x 13" x 30" Ash Receptacle Steel Frame, Kiln Dried Wood.....	327.56	42.08

32 Exterior Improvements**32 30 Site Improvements****32 33 Site Furnishings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 23 00-0004 EA 24" x 24" x 30" High Open Top Trash Container Steel Frame, Kiln Dried Wood	313.80	42.08
32 33 23 00-0005 EA 21" x 21" x 31" High Flat Top Trash Container Steel Frame, Kiln Dried Wood	313.80	42.08
32 33 23 00-0006 EA 24" x 24" x 31" High, Flat Top Trash Container Steel Frame, Kiln Dried Wood	298.31	42.08
32 33 23 00-0007 EA 18" x 18" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood.....	327.56	42.08
32 33 23 00-0008 EA 23" x 23" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood.....	298.31	42.08
32 33 23 00-0009 EA 24" x 24" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood.....	399.85	42.08
32 33 23 00-0010 Square Steel Frames Surrounded With Flat Steel (32 33 23 00-0001)		
32 33 23 00-0011 EA 26" Diameter x 34" High Open Top Trash Square Container Steel Frame, Flat Steel Surround	573.04	42.08
32 33 23 00-0012 EA 26" Diameter x 34" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround.....	616.77	42.08
32 33 23 00-0013 EA 26" Diameter x 39" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround.....	616.77	42.08
32 33 23 00-0014 Round Steel Pipe And Flat Steel Frames (32 33 23 00-0001)		
Note: Surrounded with kiln-dried wood.		
32 33 23 00-0015 EA 21" Diameter x 32" High Open Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood.....	835.45	42.08
32 33 23 00-0016 EA 21" Diameter x 32" High Flat Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood	897.93	42.08
32 33 23 00-0017 EA 21" Diameter x 39" High Dome Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood.....	1,030.70	42.08
32 33 23 00-0018 EA 21" Diameter x 40" High HPR Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood.....	936.98	42.08
32 33 23 00-0019 Round Steel Pipe Surrounded With Perforated (32 33 23 00-0001)		
32 33 23 00-0020 EA 21" Diameter x 32" High Open Top Trash Container Perforated Round Steel Pipe.....	749.54	42.08
32 33 23 00-0021 EA 21" Diameter x 32" High Flat Top Trash Container Perforated Round Steel Pipe.....	812.02	42.08
32 33 23 00-0022 EA 21" Diameter x 39" High Dome Top Trash Container Perforated Round Steel Pipe.....	944.79	42.08
32 33 23 00-0023 EA 21" Diameter x 40" High HPR Top Trash Container Perforated Round Steel Pipe.....	858.88	42.08
32 33 23 00-0024 Round Steel Pipe Frames Surrounded With Welded Wire (32 33 23 00-0001)		
32 33 23 00-0025 EA 21" Diameter x 32" High Flat Top Trash Container Steel Pipe Frame, Welded Wire Surround	601.15	42.08
32 33 23 00-0026 EA 21" Diameter x 32" High Open Top Trash Steel Container Pipe Frame, Welded Wire Surround	663.63	42.08
32 33 23 00-0027 EA 21" Diameter x 39" High Dome Top Trash Steel Container Pipe Frame, Welded Wire Surround.....	796.40	42.08
32 33 23 00-0028 EA 21" Diameter x 40" High HPR Top Trash Container Steel Pipe Frame, Welded Wire Surround.....	710.49	42.08
32 33 23 00-0029 Litter Baskets (32 33 23)		
32 33 23 00-0030 Round Wire Litter Baskets (32 33 23 00-0029)		
32 33 23 00-0031 EA 1.33' Diameter x 1.83' High Round Wire Litter Basket	103.52	4.27
32 33 23 00-0032 EA 1.5' Diameter x 1.83' High Round Wire Litter Basket	130.25	4.27
32 33 23 00-0033 EA 1.75' Diameter x 2.33' High Round Wire Litter Basket	175.60	4.27
32 33 23 00-0034 EA 1.83' Diameter x 2.83' High Round Wire Litter Basket	201.19	4.27
32 33 23 00-0035 Trash Can/Wire Basket Holder (32 33 23 00-0029)		
32 33 23 00-0036 EA Steel Post, Single Holder	159.58	34.37
32 33 23 00-0037 EA Steel Post, Double Holder.....	210.73	34.37
32 33 23 00-0038 EA Redwood Post, Single Holder	102.73	34.37
32 33 23 00-0039 EA Redwood Post, Double Holder.....	118.08	34.37
32 33 23 00-0040 Litter Receptacles, Freestanding (32 33 23 00-0029)		
Note: Includes 1-1/2" outside diameter steel leg supports. Wall mounted, includes 3/8" x 3" steel wall plates. Surface mounted, includes 2-1/2" outside diameter steel tube with floor flange, embedded to include 2-1/2" outside diameter steel tube.		
32 33 23 00-0041 EA 16" Diameter x 28" High Litter Receptacle, Freestanding Or Embedded.....	826.72	17.53
For Powder Coated Sand Pan, Add	50.00	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
32 33 23 00-0042 EA 16" Diameter x 32" High Litter Receptacle, Freestanding Or Embedded.....	869.75	17.53
For Powder Coated Sand Pan, Add	50.00	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
32 33 23 00-0043 EA 20" Diameter x 36" High Litter Receptacle, Freestanding Or Embedded.....	1,016.35	26.30
For Powder Coated Sand Pan, Add	50.00	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
32 33 23 00-0044 EA 20" Diameter x 40" High Litter Receptacle, Freestanding Embedded.....	1,059.38	26.30
For Powder Coated Sand Pan, Add	50.00	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
32 33 23 00-0045 EA 16" Diameter x 28" High Litter Receptacle, Pole Mount With Pole.....	1,102.40	26.30
For Powder Coated Sand Pan, Add	50.00	
For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	22.50	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
32 33 23 00-0046 EA 16" Diameter x 32" High Litter Receptacle, Pole Mount With Pole.....	1,145.43	26.30
For Powder Coated Sand Pan, Add	50.00	
For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	22.50	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	



Exterior Improvements	32	32
Site Improvements	32 30	
Site Furnishings	32 33	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 23 00-0047 EA 16" Diameter x 28" High Litter Receptacle, Wall Mount..... <i>For Powder Coated Sand Pan, Add</i> <i>For Orange Peel Lid, Add</i> <i>For Polished Granite Lid, Add</i> <i>For 1-1/2" x 6" Diameter Metal Cover Plate, Add</i>	914.69 50.00 25.00 50.00 20.00	22.79
32 33 23 00-0048 EA 16" Diameter x 32" High Litter Receptacle, Wall Mount..... <i>For Powder Coated Sand Pan, Add</i> <i>For Orange Peel Lid, Add</i> <i>For Polished Granite Lid, Add</i> <i>For 1-1/2" x 6" Diameter Metal Cover Plate, Add</i>	957.71 50.00 25.00 50.00 20.00	22.79
32 33 23 00-0049 Ash Receptacles (32 33 23)		
32 33 23 00-0050 EA 12" Diameter x 21" High Ash Receptacle, Freestanding Or Embedded <i>For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add</i> <i>For Sand Pan, Add</i> <i>For Bowl And Funnel, Add</i>	537.97 22.50 110.00 120.00	17.53
32 33 23 00-0051 EA 18" Square Concrete Exposed Aggregate x 36" High Ash Receptacles With 3-1/2" ID iron Pipe With Cap Square Concrete With Steel Liner.....	226.20	17.53
32 33 23 00-0052 Trash Receptacles (32 33 23)		
32 33 23 00-0053 EA Outdoor Covered Steel Receptacle With Liner	680.44	17.53
32 33 23 00-0054 EA Driftwood And Sable Receptacle, 35 Gallon With Liner And Frame	307.57	17.53
32 33 23 00-0055 EA 24" x 24" Square Trash Containment With Exposed Aggregate Finish	580.77	17.53
32 33 23 00-0056 EA 30" x 30" Square Trash Containment With Exposed Aggregate Finish	605.68	19.29
32 33 23 00-0057 EA 36" x 36" Square Trash Containment With Exposed Aggregate Finish	651.99	21.03
32 33 23 00-0058 EA 32 Gallon, Open Round Trash Receptacle, Recycled Plastic Lumber.....	212.40	14.02
32 33 23 00-0059 EA 32 Gallon, Round Trash Receptacle With Liner And Lid, Recycled Plastic Lumber	250.80	14.02
32 33 23 00-0060 EA 24" x 24" Square 18" High Trash Receptacle, Fiberglass.....	309.56	17.53
32 33 23 00-0061 Trash Containers (Dumpsters) (32 33 23)		
32 33 23 00-0062 EA 1 CY Straight Side Trash Dumpster.....	166.46	
32 33 23 00-0063 EA 1.5 CY Straight Side Trash Dumpster.....	249.70	
32 33 23 00-0064 EA 2 CY Straight Side Trash Dumpster.....	332.93	
32 33 23 00-0065 EA 2 CY Sloped Side Trash Dumpster.....	332.93	
32 33 23 00-0066 EA 3 CY Sloped Side Trash Dumpster.....	499.39	
32 33 23 00-0067 EA 4 CY Sloped Side Trash Dumpster.....	665.86	
32 33 23 00-0068 EA 6 CY Sloped Side Trash Dumpster.....	998.78	
32 33 23 00-0069 EA 8 CY Sloped Side Trash Dumpster.....	1,331.71	
32 33 33 Site Manufactured Planters (32 33)		
32 33 33 00-0001 Precast Concrete Planters (32 33 33)		
32 33 33 00-0002 Circular Precast Concrete Planters (32 33 33 00-0001)		
32 33 33 00-0003 EA 24" Diameter, 17" Height, Circular Precast Concrete Planter	462.11	21.11
32 33 33 00-0004 EA 24" Diameter, 24" Height, Circular Precast Concrete Planter	518.30	25.34
32 33 33 00-0005 EA 24" Diameter, 33" Height, Circular Precast Concrete Planter	566.05	25.34
32 33 33 00-0006 EA 30" Diameter, 17" Height, Circular Precast Concrete Planter	615.22	29.55
32 33 33 00-0007 EA 30" Diameter, 30" Height, Circular Precast Concrete Planter	745.86	38.00
32 33 33 00-0008 EA 36" Diameter, 24" Height, Circular Precast Concrete Planter	810.46	38.00
32 33 33 00-0009 EA 36" Diameter, 30" Height, Circular Precast Concrete Planter	912.99	42.22
32 33 33 00-0010 EA 48" Diameter, 17" Height, Circular Precast Concrete Planter	963.55	42.22
32 33 33 00-0011 EA 48" Diameter, 24" Height, Circular Precast Concrete Planter	1,075.94	52.77
32 33 33 00-0012 EA 48" Diameter, 30" Height, Circular Precast Concrete Planter	1,144.48	56.16
32 33 33 00-0013 EA 48" Diameter, 36" Height, Circular Precast Concrete Planter	1,192.52	59.11
32 33 33 00-0014 EA 60" Diameter, 17" Height, Circular Precast Concrete Planter	1,082.47	52.77
32 33 33 00-0015 EA 60" Diameter, 24" Height, Circular Precast Concrete Planter	1,191.11	59.11
32 33 33 00-0016 EA 60" Diameter, 36" Height, Circular Precast Concrete Planter	1,521.15	63.33
32 33 33 00-0017 EA 72" Diameter, 36" Height, Circular Precast Concrete Planter	1,973.42	80.21
32 33 33 00-0018 EA 84" Diameter, 36" Height, Circular Precast Concrete Planter	2,289.41	84.44
32 33 33 00-0019 Square Precast Concrete Planters (32 33 33 00-0001)		
32 33 33 00-0020 EA 36" Square, 30" Height, Square Precast Concrete Planter	936.50	54.89
32 33 33 00-0021 EA 42" Square, 30" Height, Square Precast Concrete Planter	1,070.71	59.11
32 33 33 00-0022 EA 60" Square, 36" Height, Square Precast Concrete Planter	1,681.26	67.55
32 33 33 00-0023 EA 72" Square, 36" Height, Square Precast Concrete Planter	1,793.63	71.78
32 33 33 00-0024 Rectangular Precast Concrete Planters (32 33 33 00-0001)		
32 33 33 00-0025 EA 33" x 18", 20" Height, Rectangular Precast Concrete Planter.....	539.36	25.34
32 33 33 00-0026 EA 48" x 18", 20" Height, Rectangular Precast Concrete Planter.....	636.32	38.00
32 33 33 00-0027 EA 60" x 18", 20" Height, Rectangular Precast Concrete Planter.....	737.45	42.22
32 33 33 00-0028 EA 72" x 18", 20" Height, Rectangular Precast Concrete Planter.....	841.41	52.77
32 33 33 00-0029 Fiberglass Planters (32 33 33)		

32 Exterior Improvements**32 30 Site Improvements****32 33 Site Furnishings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 33 00-0030 Circular Fiberglass Planters (32 33 33 00-0029)		
32 33 33 00-0031 EA 36" Diameter, 27" High, Circular Fiberglass Planter	1,125.56	21.11
32 33 33 00-0032 EA 60" Diameter, 39" High, Circular Fiberglass Planter	1,872.17	21.11
32 33 33 00-0033 EA 36" Diameter, 24" High, Circular Fiberglass Planter	750.91	21.11
32 33 33 00-0034 EA 60" Diameter, 24" High, Circular Fiberglass Planter	1,478.58	21.11
32 33 33 00-0035 Tapered Circular Fiberglass Planters (32 33 33 00-0029)		
32 33 33 00-0036 EA 24" Diameter, 20" High, Tapered Circular Fiberglass Planter	438.85	21.11
32 33 33 00-0037 EA 30" Diameter, 25" High, Tapered Circular Fiberglass Planter	642.70	21.11
32 33 33 00-0038 EA 36" Diameter, 30" High, Tapered Circular Fiberglass Planter	1,144.50	21.11
32 33 33 00-0039 EA 40" Diameter, 36" High, Tapered Circular Fiberglass Planter	1,597.61	21.11
32 33 33 00-0040 Square Fiberglass Planters (32 33 33 00-0029)		
32 33 33 00-0041 EA 24" Square, 21" High, Square Fiberglass Planter	575.83	21.11
32 33 33 00-0042 EA 24" Square, 24" High, Square Fiberglass Planter	588.60	21.11
32 33 33 00-0043 EA 30" Square, 12" High, Square Fiberglass Planter	595.36	21.11
32 33 33 00-0044 EA 30" Square, 21" High, Square Fiberglass Planter	675.17	21.11
32 33 33 00-0045 EA 30" Square, 24" High, Square Fiberglass Planter	733.32	21.11
32 33 33 00-0046 Rectangular Fiberglass Planters (32 33 33 00-0029)		
32 33 33 00-0047 EA 48" x 12", 12" High, Rectangular Fiberglass Planter	662.53	21.11
32 33 33 00-0048 EA 48" x 12", 21" High, Rectangular Fiberglass Planter	710.22	21.11
32 33 33 00-0049 EA 48" x 24", 12" High, Rectangular Fiberglass Planter	924.96	21.11
32 33 33 00-0050 EA 48" x 24", 21" High, Rectangular Fiberglass Planter	1,020.33	21.11
32 33 33 00-0051 Timber Planters (32 33 33)		
32 33 33 00-0052 Square Timber Planters (32 33 33 00-0051)		
32 33 33 00-0053 EA 14" Square, 30" High, Square Timber Planter	375.10	42.08
32 33 33 00-0054 EA 21" Square, 30" High, Square Timber Planter	375.10	42.08
32 33 33 00-0055 EA 27" Square, 30" High, Square Timber Planter	697.56	42.08
32 33 33 00-0056 EA 34" Square, 30" High, Square Timber Planter	606.72	42.08
32 33 33 00-0057 EA 41" Square, 36" High, Square Timber Planter	720.27	42.08
32 33 33 00-0058 EA 54" Square, 36" High, Square Timber Planter	1,828.44	42.08
32 33 33 00-0059 EA 81" Square, 36" High, Square Timber Planter	2,741.33	42.08
32 33 33 00-0060 Rectangular Timber Planters (32 33 33 00-0051)		
32 33 33 00-0061 EA 21" x 14", 30" High, Rectangular Timber Planter	370.55	42.08
32 33 33 00-0062 EA 27" x 14", 30" High, Rectangular Timber Planter	411.43	42.08
32 33 33 00-0063 EA 27" x 21", 30" High, Rectangular Timber Planter	534.06	42.08
32 33 33 00-0064 EA 34" x 21", 30" High, Rectangular Timber Planter	588.56	42.08
32 33 33 00-0065 EA 41" x 21", 30" High, Rectangular Timber Planter	752.06	42.08
32 33 33 00-0066 EA 34" x 27", 30" High, Rectangular Timber Planter	870.14	42.08
32 33 33 00-0067 EA 54" x 27", 30" High, Rectangular Timber Planter	1,256.19	42.08
32 33 33 00-0068 EA 54" x 34", 30" High, Rectangular Timber Planter	1,415.15	42.08
32 33 33 00-0069 EA 68" x 34", 36" High, Rectangular Timber Planter	1,610.44	42.08
32 33 33 00-0070 EA 54" x 41", 36" High, Rectangular Timber Planter	1,533.23	42.08
32 33 33 00-0071 EA 68" x 41", 36" High, Rectangular Timber Planter	1,733.07	42.08
32 33 33 00-0072 EA 81" x 41", 36" High, Rectangular Timber Planter	1,937.44	42.08
32 33 33 00-0073 EA 41" x 27", 36" High, Rectangular Timber Planter	970.06	42.08
32 33 43 Site Seating And Tables (32 33)		
32 33 43 53 Site Tables (32 33 43)		
32 33 43 53-0001 Picnic Tables (32 33 43 53)		
32 33 43 53-0002 Wooden Picnic Tables (32 33 43 53-0001)		
32 33 43 53-0003 EA 6' Permanent Rectangular Redwood Table	655.63	52.59
32 33 43 53-0004 Portable Picnic Tables (32 33 43 53-0001)		
32 33 43 53-0005 EA 6' Wood Table With Aluminum Frame	735.66	35.07
32 33 43 53-0006 EA 6' Aluminum Table And Frame	1,057.30	35.07
32 33 43 53-0007 EA 8' Aluminum Table And Frame	1,262.86	43.83
32 33 43 53-0008 EA 6' Steel Table And Frame	725.04	35.07
32 33 43 53-0009 EA 8' Steel Table And Frame	832.10	43.83
32 33 43 53-0010 Concrete Picnic Tables (32 33 43 53-0001)		
32 33 43 53-0011 EA 72" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quikrete QLB72PT)	1,473.07	140.26



		Exterior Improvements	32
		Site Improvements	32 30
		Site Furnishings	32 33

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53-0012	EA	96" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quick Crete QLBT96PT Or QLMR96PT).....	1,735.49	
		Note: Standard sealer		
32 33 43 53-0013	EA	102" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches And Handicap Access On Two Ends (Quick Crete QLMR102PTADA).....	1,740.68	
		Note: Standard sealer		
32 33 43 53-0014	EA	42" Diameter, Precast Concrete, Round Food Court Table Set With Four Benches (Quick Crete QR42FC).....	1,862.68	
		Note: Includes table top, four benches and mounting hardware.		
32 33 43 53-0015		Plastic Picnic Tables (32 33 43 53-0001)		
		Note: Manufactured from recycled plastic.		
32 33 43 53-0016		Pedestal Tables - 4' Square, 2 Seats (32 33 43 53-0015)		
32 33 43 53-0017	EA	3" x 4" Slats, Pedestal Table, 4' Square, 2 Seats	630.64	52.59
32 33 43 53-0018	EA	4" x 4" Slats, Pedestal Table, 4' Square, 2 Seats	686.45	52.59
32 33 43 53-0019		Pedestal Tables - 4' Square, 4 Seats (32 33 43 53-0015)		
32 33 43 53-0020	EA	3" x 4" Slats, Pedestal Table, 4' Square, 4 Seats	811.63	52.59
32 33 43 53-0021	EA	4" x 4" Slats, Pedestal Table, 4' Square, 4 Seats	886.58	52.59
32 33 43 53-0022		Recycled Plastic Tables (32 33 43 53-0015)		
32 33 43 53-0023	EA	6' Standard "Step-Over" Table, Recycled Plastic Lumber	1,048.18	52.59
32 33 43 53-0024	EA	6' " Walk-Through" Table, Recycled Plastic Lumber.....	881.03	52.59
32 33 43 53-0025	EA	7' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends	957.85	52.59
32 33 43 53-0026	EA	8' " Walk-Through" Table, Recycled Plastic Lumber, ADA Ends	898.85	52.59
32 33 43 53-0027	EA	8' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends	1,118.70	52.59
32 33 43 53-0028	EA	4' Youth Table, Recycled Plastic Lumber	464.38	42.08
32 33 53		Site Grills (32 33)		
32 33 53 00-0001		Picnic Grills (32 33 53)		
32 33 53 00-0002	EA	20" Wide x 14" Deep x 8-1/2" High Adjustable Grill	249.89	
		Note: 11 gauge with galvanized steel post.		
32 33 53 00-0003	EA	20" Wide x 14" Deep x 8-1/2" High Adjustable Grill	266.47	
		Note: 7 gauge with galvanized steel post.		
32 33 63		Skate Board Deterrent (32 33)		
32 33 63 00-0001		Skate Stoppers (32 33 63)		
32 33 63 00-0002	EA	Aluminum Architectural Series Pieces, Skate Stopper	40.03	
		Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
		For >59 To 99, Deduct	-4.03	
		For >99 To 249, Deduct	-5.14	
		For >249, Deduct	-6.25	
32 33 63 00-0003	EA	Aluminum Fixed Angle Series Pieces, Skate Stopper	42.18	
		Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
		For >59 To 99, Deduct	-4.33	
		For >99 To 249, Deduct	-5.51	
		For >249, Deduct	-6.68	
32 33 63 00-0004	EA	Aluminum Fixed Radius Series Pieces, Skate Stopper	31.15	
		Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
		For >59 To 99, Deduct	-2.78	
		For >99 To 249, Deduct	-3.63	
		For >249, Deduct	-4.48	
32 33 63 00-0005	EA	Aluminum Bench Clips, Skate Stopper.....	25.87	
		Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
		For >59 To 99, Deduct	-2.04	
		For >99 To 249, Deduct	-2.73	
		For >249, Deduct	-3.42	
32 33 63 00-0006	EA	Aluminum Curve Clips, Skate Stopper.....	27.86	
		Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
		For >59 To 99, Deduct	-2.32	
		For >99 To 249, Deduct	-3.07	
		For >249, Deduct	-3.82	
32 33 63 00-0007	EA	Aluminum Hand Rail, Skate Stopper	26.84	
		Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
		For >59 To 99, Deduct	-2.18	
		For >99 To 249, Deduct	-2.90	
		For >249, Deduct	-3.62	
32 33 63 00-0008	EA	Aluminum 2" x 3" x 0.25" Flat Cap, Skate Stopper	25.55	
		Note: Includes drilling and anchoring into suitable surface material.		
		For >59 To 99, Deduct	-2.00	
		For >99 To 249, Deduct	-2.68	
		For >249, Deduct	-3.36	
32 33 63 00-0009	EA	Aluminum 6" Diameter x 0.25" Rumble Disc, Skate Stopper	33.57	
		Note: Includes drilling and anchoring into suitable surface material.		
		For >59 To 99, Deduct	-3.12	
		For >99 To 249, Deduct	-4.04	
		For >249, Deduct	-4.96	

32 Exterior Improvements**32 30 Site Improvements****32 33 Site Furnishings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 63 00-0010 EA Aluminum 4" x 17" x 0.25" Flat Strap, Skate Stopper.....	57.62	
Note: Includes drilling and anchoring into suitable surface material.		
For >59 To 99, Deduct	-6.49	
For >99 To 249, Deduct	-8.13	
For >249, Deduct	-9.77	
32 39 Manufactured Site Specialties (32 30)		
Note: Excludes coredrilling, augering, concrete footing and compaction See CSI section 02 41 19 13-0025 for concrete core drilling, 02 41 19 13-0163 for asphalt core drilling, 32 31 13 13-0002 for augering, 32 31 13 13-0019 for concrete footing, 32 31 13 13-0045 for compaction of earth.		
32 39 13 Manufactured Metal Bollards (32 39)		
32 39 13 00-0001 Metal Pipe Bollards (32 39 13)		
Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill for post and post holes.		
32 39 13 00-0002 Steel Pipe Bollard, Schedule 40 Pipe, Painted Or Powder Coated (32 39 13 00-0001)		
32 39 13 00-0003 LF 4" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....	41.73	10.33
For Galvanized Steel, Add	3.58	
For 304 Stainless Steel, Add	28.43	
For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	106.68	
For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	79.26	
For Schedule 80, Add	5.23	
For Concrete Fill, Add Per LF Of Pipe Bollard	8.06	
32 39 13 00-0004 LF 6" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....	53.88	10.33
For Galvanized Steel, Add	5.65	
For 304 Stainless Steel, Add	44.83	
For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	106.68	
For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	79.26	
For Schedule 80, Add	7.05	
For Concrete Fill, Add Per LF Of Pipe Bollard	11.42	
32 39 13 00-0005 LF 8" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....	75.10	12.92
For Galvanized Steel, Add	8.37	
For 304 Stainless Steel, Add	66.50	
For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	141.36	
For Each Sleeve For Removable, Lockable Bollard, Add	119.84	
For Schedule 80, Add	9.97	
For Concrete Fill, Add Per LF Of Pipe Bollard	15.24	
32 39 13 00-0006 LF 10" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....	98.41	15.51
For Galvanized Steel, Add	11.46	
For 304 Stainless Steel, Add	90.99	
For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	162.04	
For Each Sleeve For Removable, Lockable Bollard, Add	130.18	
For Schedule 80, Add	13.21	
For Concrete Fill, Add Per LF Of Pipe Bollard	18.67	
32 39 13 00-0007 LF 12" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....	124.98	20.67
For Galvanized Steel, Add	14.22	
For 304 Stainless Steel, Add	112.91	
For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	224.36	
For Each Sleeve For Removable, Lockable Bollard, Add	179.55	
For Schedule 80, Add	16.68	
For Concrete Fill, Add Per LF Of Pipe Bollard	21.82	
32 39 23 Manufactured Concrete Bollards (32 39)		
32 39 23 00-0001 Concrete Bollards (32 39 23)		
Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.		
32 39 23 00-0002 Concrete Bollard, Exposed Aggregate (32 39 23 00-0001)		
32 39 23 00-0003 EA 12" x 12" x 30" High Concrete Bollard, Light Sandblast.....	535.60	82.69
Note: Surface mounted with anchor bolts embedded into grout pockets.		
32 39 23 00-0004 EA 12" Diameter x 30" High Concrete Bollard, Light Sandblast	535.60	82.69
Note: Surface mounted with anchor bolts embedded into grout pockets.		
32 39 25 Manufactured Wood Bollards (32 39)		
32 39 25 00-0001 Wood Bollards (32 39 25)		
Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.		
32 39 25 00-0002 Wood Bollard, Pressure Treated Timber (32 39 25 00-0001)		
32 39 25 00-0003 LF 4" x 4", Pressure Treated Wood Bollard	18.87	8.27
For Each Sleeve For Removable, Lockable Bollard, Add	80.10	
32 39 25 00-0004 LF 6" x 6", Pressure Treated Wood Bollard	21.32	8.27
For Each Sleeve For Removable, Lockable Bollard, Add	80.10	
32 39 25 00-0005 LF 8" x 8", Pressure Treated Wood Bollard	27.11	9.30
For Each Sleeve For Removable, Lockable Bollard, Add	122.42	
32 39 25 00-0006 LF 10" x 10", Pressure Treated Wood Bollard	38.06	12.40
For Each Sleeve For Removable, Lockable Bollard, Add	134.82	
32 39 25 00-0007 LF 12" x 12", Pressure Treated Wood Bollard	52.15	16.54
For Each Sleeve For Removable, Lockable Bollard, Add	187.23	



Exterior Improvements	32	32
Site Improvements	32 30	
Manufactured Site Specialties	32 39	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 39 27 Manufactured Plastic Bollards (32 39)

32 39 27 00-0001	Plastic Bollards <small>(32 39 27)</small> See CSI section 32 31 13 13-0001 for augering and filling holes for bollards., 32 31 13 13-0018 for concrete fill.		
32 39 27 00-0002	Recycled Plastic Bollards <small>(32 39 27 00-0001)</small>		
32 39 27 00-0003	EA 6" x 6" x 33" Surface Mounted Recycled Plastic Bollard..... Note: Includes anchor bolts.	218.65	41.34
32 39 27 00-0004	EA 6" Diameter x 6' Steel Reinforced Recycled Plastic Bollard.....	339.68	41.34

32 39 27 00-0005 Plastic Bollard Covers (32 39 27 00-0001)

32 39 27 00-0006	EA 4" x 60", 1/8" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe..... <i>For Reflective Tape, Add</i>	53.96 5.71	9.00
32 39 27 00-0007	EA 6" x 60", 1/8" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe..... <i>For Reflective Tape, Add</i>	58.52 5.71	9.90
32 39 27 00-0008	EA 3" x 60", 1/4" Thick LDPE Bollard Cover, Fits 3" To 3 1/2" Pipe..... <i>For Reflective Tape, Add</i>	71.95 5.71	9.00
32 39 27 00-0009	EA 3-1/2" x 52", 1/4" Thick LDPE Bollard Cover, Fits 3 -1/2" To 4" Pipe..... <i>For Reflective Tape, Add</i>	71.95 5.71	9.00
32 39 27 00-0010	EA 3-1/2" x 68", 1/4" Thick LDPE Bollard Cover, Fits 3-1/2" To 4" Pipe..... <i>For Reflective Tape, Add</i>	80.34 5.71	9.00
32 39 27 00-0011	EA 4" x 52", 1/4" Thick LDPE Bollard Cover, Fits 4' To 4-1/2" Pipe..... <i>For Reflective Tape, Add</i>	71.95 5.71	9.00
32 39 27 00-0012	EA 4" x 60", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe..... <i>For Reflective Tape, Add</i>	73.15 5.71	9.00
32 39 27 00-0013	EA 5" x 52", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe..... <i>For Reflective Tape, Add</i>	71.95 5.71	9.00
32 39 27 00-0014	EA 5" x 60", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe..... <i>For Reflective Tape, Add</i>	73.15 5.71	9.00
32 39 27 00-0015	EA 5" x 72", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe..... <i>For Reflective Tape, Add</i>	100.73 5.71	9.00
32 39 27 00-0016	EA 6" x 52", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe..... <i>For Reflective Tape, Add</i>	73.75 5.71	9.90
32 39 27 00-0017	EA 6" x 65", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe..... <i>For Reflective Tape, Add</i>	92.94 5.71	9.90
32 39 27 00-0018	EA 6" x 84", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe..... <i>For Reflective Tape, Add</i>	105.29 5.71	9.90
32 39 27 00-0019	EA 7" x 56", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe..... <i>For Reflective Tape, Add</i>	89.94 5.71	10.80
32 39 27 00-0020	EA 8" x 52", 1/4" Thick LDPE Bollard Cover, Fits 7" To 7-5/16" Pipe..... <i>For Reflective Tape, Add</i>	97.13 5.71	10.80
32 39 27 00-0021	EA 8" x 69", 1/4" Thick LDPE Bollard Cover, Fits 8" To 8-5/8" Pipe..... <i>For Reflective Tape, Add</i>	97.13 5.71	10.80
32 39 27 00-0022	EA 10" x 69", 1/4" Thick LDPE Bollard Cover, Fits 10" To 11" Pipe..... <i>For Reflective Tape, Add</i>	129.53 5.71	10.80

32 39 29 Manufactured Stone Bollards (32 39)

32 39 29 00-0001	Stone Bollards <small>(32 39 29)</small> See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.		
32 39 29 00-0002	Granite Bollards <small>(32 39 29 00-0001)</small>		
32 39 29 00-0003	EA 16" x 16" x 30" Granite Bollard, Smooth Matt Finish..... Note: Surface mounted with anchors embedded into grout pockets.	1,101.02	103.36
32 39 29 00-0004	EA 16" x 16" x 54" Granite Bollard, Smooth Matt Finish..... Note: Surface mounted with anchors embedded into grout pockets.	1,395.10	144.70
32 39 29 00-0005	EA 12" x 12" x 24" Granite Bollard, Rough Finish, Pyramid Top..... Note: Surface mounted with anchors embedded into grout pockets.	684.76	103.36
32 39 29 00-0006	EA 12" Diameter x 18" Granite Bollard, Smooth Matt Finish..... Note: Flat Top, surface mounted with anchors embedded into grout pockets.	1,010.90	82.69
32 39 29 00-0007	EA 24" x 24" x 20" Granite Bollard, Octagonal Cross Section..... Note: Smooth matt finish, flat top, surface mounted with anchors embedded into grout pockets.	1,506.84	82.69

32 80 Irrigation (32)

32 84 Planting Irrigation (32 80)

32 84 13 Drip Irrigation (32 84)

32 84 13 00-0001	Drip Emitter Irrigation Devices <small>(32 84 13)</small>		
32 84 13 00-0002	Drip Emitter Irrigation Valves <small>(32 84 13 00-0001)</small>		
32 84 13 00-0003	EA 1/2" Air/Vacuum Relief Valve For Drip Emitter Irrigation Systems (Rain Bird® ARV050).....	36.59	9.55
32 84 13 00-0004	EA 1", Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV100).....	51.11	9.55
32 84 13 00-0005	EA 3/4", Anti-Siphon, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV075).....	50.10	9.55
32 84 13 00-0006	EA 3/4", Latching Solenoid, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV075TBOS).....	63.74	9.55

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
32 84 13 00-0007 Drip Emitter Irrigation Filters (32 84 13 00-0001)					
32 84 13 00-0008	EA	3/4" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-075).....	92.57		9.55
32 84 13 00-0009	EA	1" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-100)	93.32		9.55
32 84 13 00-0010	EA	3/4" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY075MPTX)	42.93		9.55
32 84 13 00-0011	EA	1" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY100MPTX)	43.54		9.55
32 84 13 00-0012	EA	1" Inlet/Outlet, Pressure Regulating, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® PRB-QCHK-100)	99.55		9.55
32 84 13 00-0013	EA	3/4" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF075RBY)	51.96		9.55
32 84 13 00-0014	EA	1" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF100RBY)	56.66		9.55
32 84 13 00-0015 Drip Emitter Irrigation Pressure Regulators (32 84 13 00-0001)					
32 84 13 00-0016	EA	3/4", 6 To 300 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-L30X-075)	42.33		9.55
32 84 13 00-0017	EA	3/4", 120 To 600 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M30X-075)	42.33		9.55
32 84 13 00-0018	EA	3/4", 120 To 600 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-075)	42.33		9.55
32 84 13 00-0019	EA	1", 120 To 900 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-100)	47.27		9.55
32 84 13 00-0020 Drip Emitter Irrigation Tubing (32 84 13 00-0001)					
Note: Includes surface installation and covering of tubing with existing pine straw, pine bark etc.					
32 84 13 00-0021	LF	1/4", Landscape Dripline With Extruded Non-Pressure Compensating Drip Emitters (Rain Bird® LDQ0806100)	3.29		1.34
32 84 13 00-0022	LF	1/2", Landscape Dripline With Extruded Pressure Compensating Drip Emitters (Rain Bird® XFD0612100)	3.23		1.53
32 84 13 00-0023	LF	1/4", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XQ100)	2.81		1.34
For Shallow Trenching And Backfill By Hand, Add			5.50		
32 84 13 00-0024	LF	1/2", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XT700100)	3.21		1.53
For Shallow Trenching And Backfill By Hand, Add			5.94		
32 84 13 00-0025 Drip Emitter Irrigation Fittings (32 84 13 00-0001)					
32 84 13 00-0026	EA	1/4", Barbed Coupling For Irrigation Tubing (Rain Bird® XBF1CONN)	2.48		
32 84 13 00-0027	EA	1/4", Barbed Elbow For Irrigation Tubing (Rain Bird® XBF2EL)	2.50		
32 84 13 00-0028	EA	1/4", Barbed Tee For Irrigation Tubing (Rain Bird® XBF3TEE)	2.52		
32 84 13 00-0029	EA	1/4", Self Piercing Barbed Coupling For Irrigation Tubing (Rain Bird® SPB025)	2.61		
32 84 13 00-0030	EA	1/4", Plug For Irrigation Tubing (Rain Bird® EMAGPX)	2.47		
32 84 13 00-0031	EA	17mm, Barbed Coupling For Irrigation Tubing (Rain Bird® XFFCOUP)	2.57		
For Compression Fitting, Add			0.18		
32 84 13 00-0032	EA	17mm, Barbed Elbow For Irrigation Tubing (Rain Bird® XFF-ELBOW)	2.62		
For Compression Fitting, Add			0.23		
32 84 13 00-0033	EA	17mm, Barbed Tee For Irrigation Tubing (Rain Bird® XFF-TEE)	2.65		
For Compression Fitting, Add			0.26		
32 84 13 00-0034	EA	17mm, Barbed Male Adapter For Irrigation Tubing (Rain Bird® XFFMA050)	2.66		
For Compression Fitting, Add			0.27		
32 84 13 00-0035	EA	17mm, Barbed Cross For Irrigation Tubing (Rain Bird® XFDCROSS)	2.77		
For Compression Fitting, Add			0.38		
32 84 13 00-0036	EA	1/2", Plug For Irrigation Tubing (Rain Bird® MDCFCAP)	2.89		
32 84 13 00-0037	EA	12 Gauge, Galvanized Stake For Irrigation Tubing (Rain Bird® TDS050BEND)	1.44		
32 84 13 00-0038 Drip Emitters (32 84 13 00-0001)					
32 84 13 00-0039	EA	0.5 To 2 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB20PC)	5.06		
32 84 13 00-0040	EA	5 To 24 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® PC24)	5.54		
32 84 13 00-0041	EA	0.5 To 2 GPH, Six Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB056)	10.56		
32 84 13 00-0042 Drip Emitter Irrigation Micro-Bubblers, Sprays And Misters (32 84 13 00-0001)					
32 84 13 00-0043	EA	Adjustable Stream Bubbler With Spike For Drip Emitter Irrigation Systems (Rain Bird® SXB360SPYK)	19.85		8.60
32 84 13 00-0044	EA	Adjustable Micro Spray With Spike For Drip Emitter Irrigation Systems (Rain Bird® XS360TSPYK)	19.88		8.60
32 84 13 00-0045	EA	12" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP12 With SQFUL)	21.20		8.60
32 84 13 00-0046	EA	24" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP24 With SQFUL)	21.35		8.60
32 84 13 00-0047	EA	4" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-400X With SQFUL)	30.01		11.27
Note: Includes nozzle.					
32 84 13 00-0048	EA	6" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-600X With SQFUL)	31.72		11.27
Note: Includes nozzle.					
32 84 13 00-0049	EA	12" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP1200X With SQFUL)	29.93		11.27
Note: Includes nozzle.					
32 84 13 00-0050 Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS) (32 84 13 00-0001)					
Note: Brown or purple tubing. Includes layout, trenching 4" to 6", installing tubing and backfilling trench.					
32 84 13 00-0051	LF	0.536" ID, 0.634" OD, Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS Copper Shield)	3.69		1.67



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 84 23 Underground Sprinklers (32 84)

32 84 23 00-0001 Sprinkler Heads (32 84 23)

32 84 23 00-0002 Spray Sprinkler Heads (32 84 23 00-0001)

Note: Includes plastic riser and case. Includes spray, variable arc or bubbler nozzle with partial or full circle coverage.

32 84 23 00-0003	EA 2" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1802P).....	26.84	10.55
	<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0004	EA 4" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1804P).....	25.87	10.55
	<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0005	EA 6" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1806P).....	29.46	10.55
	<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0006	EA 12" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1812P).....	32.47	10.55
	<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0007	EA 4" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1804-SAM).....	27.22	10.55
	<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0008	EA 6" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1806-SAM).....	32.28	10.55
	<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0009	EA 12" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1812-SAM).....	34.72	10.55
	<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0010	EA 4" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1804-PRS).....	28.66	10.55
	<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0011	EA 6" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1806-PRS).....	33.27	10.55
	<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0012	EA 12" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1812-PRS).....	35.55	10.55
	<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0013	EA 4" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1804-SAM-PRS).....	29.24	10.55
	<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0014	EA 6" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1806-SAM-PRS).....	36.32	10.55
	<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0015	EA 12" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1812-SAM-PRS).....	38.56	10.55
	<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0016	EA Bubbler Head With Screen, 1/2" NPT (Rain Bird® 1300).....	23.98	10.55
	<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0017	EA Pressure Compensating Bubbler With Screen, 1/2" NPT (Rain Bird® 1400).....	26.23	10.55

32 84 23 00-0018 Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0001)

Note: Maximum spacing is equivalent to maximum radius.

32 84 23 00-0019 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0018)

Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.

32 84 23 00-0020	EA 4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 3504PC).....	33.95	10.55
	<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0021	EA 4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 3504-PC-SAM).....	34.75	10.55
	<i>For Non-Potable Cover, Add</i>	2.00	

32 84 23 00-0022 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0018)

Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.

32 84 23 00-0023	EA 4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5004-PLPC).....	32.03	10.55
	<i>For Non-Potable Cover, Add</i>	2.00	
	<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0024	EA 6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5006-PLPC).....	40.67	10.55
	<i>For Non-Potable Cover, Add</i>	2.00	
	<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0025	EA 4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5004-PLPCS).....	33.63	10.55
	<i>For Non-Potable Cover, Add</i>	2.00	
	<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0026	EA 6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5006-PLPCS).....	41.95	10.55
	<i>For Non-Potable Cover, Add</i>	2.00	
	<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0027	EA 4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Pressure Regulator (Rain Bird® 5004+PCR).....	34.27	10.55
	<i>For Non-Potable Cover, Add</i>	2.00	
	<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0028	EA 4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5004+FCSR).....	35.55	10.55
	<i>For Non-Potable Cover, Add</i>	2.00	
	<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0029	EA 6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5006+PCSR).....	43.87	10.55
	<i>For Non-Potable Cover, Add</i>	2.00	
	<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0030	EA 12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5012+PCSR).....	49.00	10.55
	<i>For Non-Potable Cover, Add</i>	2.00	
	<i>For Stainless Steel Riser, Add</i>	9.00	

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0031	EA	Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5000S-PLPCS).....	35.39	10.55
		<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0032	EA	Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5000S+PCSR).....	40.51	10.55
		<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0033		1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Heads <small>(32 84 23 00-0018)</small>		
		Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0034	EA	4" Pop-Up Height, 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® F4PC).....	52.68	10.55
		<i>For Non-Potable Cover, Add</i>	2.00	
		<i>For Stainless Steel Riser, Add</i>	9.00	
		<i>For Stainless Steel Riser And High Speed Rotor, Add</i>	23.57	
32 84 23 00-0035		1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Heads <small>(32 84 23 00-0018)</small>		
		Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0036	EA	5" Pop-Up Height, 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 8005).....	71.25	10.55
		<i>For Non-Potable Cover, Add</i>	2.00	
		<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0037		Impact-Drive Sprinkler Heads <small>(32 84 23 00-0001)</small>		
		Note: Includes partial or full circle coverage. Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0038	EA	1/2" Inlet, Up To 45' Spacing, Pop-Up, Impact-Drive Rotary Sprinkler Head (Rain Bird® 2045A-08).....	43.71	10.55
		<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0039	EA	1/2" Inlet, Up To 45' Spacing, Riser Mounted, Plastic Body, Impact-Drive Sprinkler Head (Rain Bird® 2045-PJ08).....	36.03	10.55
32 84 23 00-0040	EA	3/4" Inlet, Up To 51' Spacing, Riser Mounted, Brass/Bronze Body, Impact-Drive Sprinkler Head (Rain Bird® 35A-ADJ-TNTB).....	61.63	10.55
32 84 23 00-0041		Electric Remote Control Irrigation Valves <small>(32 84 23)</small>		
32 84 23 00-0042		0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® DV Series) <small>(32 84 23 00-0041)</small>		
		Note: 15 to 150 PSI.		
32 84 23 00-0043	EA	3/4", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 75DV).....	113.10	43.98
32 84 23 00-0044	EA	1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DV).....	113.10	43.98
32 84 23 00-0045	EA	1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DVSS).....	125.67	50.14
32 84 23 00-0046	EA	1", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Angle Valve (Rain Bird® 100DVA).....	113.74	43.98
32 84 23 00-0047		0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves With Flow Control (Rain Bird® DVF Series) <small>(32 84 23 00-0041)</small>		
		Note: 15 to 150 PSI.		
32 84 23 00-0048	EA	1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVF).....	113.74	43.98
32 84 23 00-0049	EA	1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFSS).....	126.63	50.14
32 84 23 00-0050	EA	1", 0.2 To 40 GPM, Male x Barb, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFMB).....	127.27	50.14
32 84 23 00-0051		0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® PEB Series) <small>(32 84 23 00-0041)</small>		
		Note: 20 to 200 PSI.		
32 84 23 00-0052	EA	1", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100PEB).....	164.97	43.98
32 84 23 00-0053	EA	1-1/2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 150PEB).....	187.39	43.98
32 84 23 00-0054	EA	2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 200PEB).....	216.21	43.98
32 84 23 00-0055		5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® PEB PRS-D Series) <small>(32 84 23 00-0041)</small>		
		Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0056	EA	1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100PEB PRS-D).....	225.23	49.43
32 84 23 00-0057	EA	1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150PEB PRS-D).....	247.64	49.43
32 84 23 00-0058	EA	2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200PEB PRS-D).....	276.46	49.43
32 84 23 00-0059		20 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator And Scrubber Valve (Rain Bird® PESB PRS-D Series) <small>(32 84 23 00-0041)</small>		
		Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0060	EA	1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 100PESB PRS-D).....	257.25	49.43



Exterior Improvements		32
Irrigation		32 80
Planting Irrigation		32 84

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0061	EA		1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 150PESB PRS-D).....	279.66	49.43
32 84 23 00-0062	EA		2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 200PESB PRS-D).....	308.48	49.43
32 84 23 00-0063			0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves (Hunter IBV Series) <small>(32 84 23 00-0041)</small>		
			Note: 20 to 200 PSI operating range pressure.		
32 84 23 00-0064	EA		1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B).....	228.73	43.98
32 84 23 00-0065	EA		1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B).....	331.77	43.98
32 84 23 00-0066	EA		2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B).....	341.09	43.98
32 84 23 00-0067	EA		3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B).....	766.54	59.37
32 84 23 00-0068			5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Rain Bird® EFB-CP Series) <small>(32 84 23 00-0041)</small>		
			Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0069	EA		1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 100EFB-CP).....	218.28	49.43
32 84 23 00-0070	EA		1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 125EFB-CP).....	248.92	49.43
32 84 23 00-0071	EA		1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 150EFB-CP).....	282.19	49.43
32 84 23 00-0072	EA		2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 200EFB-CP).....	326.00	49.43
32 84 23 00-0073			0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Hunter IBV FS Series) <small>(32 84 23 00-0041)</small>		
			Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0074	EA		1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B-FS).....	275.88	49.43
32 84 23 00-0075	EA		1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B-FS).....	398.14	49.43
32 84 23 00-0076	EA		2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B-FS).....	408.62	49.43
32 84 23 00-0077	EA		3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B-FS).....	808.01	49.43
32 84 23 00-0078			0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV ACCU-SYNC Series) <small>(32 84 23 00-0041)</small>		
			Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0079	EA		1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-101G-B ACCU-SYNC-ADJ).....	275.30	43.98
32 84 23 00-0080	EA		1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-151G-B ACCU-SYNC-ADJ).....	378.35	43.98
32 84 23 00-0081	EA		2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-201G-B ACCU-SYNC-ADJ).....	387.67	43.98
32 84 23 00-0082	EA		3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-301G-B ACCU-SYNC-ADJ).....	813.11	59.37
32 84 23 00-0083			5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® EFB-CP PRS-D Series) <small>(32 84 23 00-0041)</small>		
			Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0084	EA		1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100EFB-CP PRS-D).....	266.31	49.43
32 84 23 00-0085	EA		1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 125EFB-CP PRS-D).....	296.95	49.43
32 84 23 00-0086	EA		1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150EFB-CP PRS-D).....	330.22	49.43
32 84 23 00-0087	EA		2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200EFB-CP PRS-D).....	374.03	49.43
32 84 23 00-0088			0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV FS ACCU-SYNC Series) <small>(32 84 23 00-0041)</small>		
			Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0089	EA		1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-101G-B-FS ACCU-SYNC-ADJ).....	322.45	49.43
32 84 23 00-0090	EA		1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-151G-B-FS ACCU-SYNC-ADJ).....	444.71	49.43
32 84 23 00-0091	EA		2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-201G-B-FS ACCU-SYNC-ADJ).....	455.19	49.43
32 84 23 00-0092	EA		3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-301G-B-FS ACCU-SYNC-ADJ).....	854.58	49.43

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0093			Other Electric Remote Control Valves/Accessories (32 84 23 00-0041)		
	32 84 23 00-0094	EA	Pressure Regulator Module For Electric Remote Control Valves (Rain Bird® PRS-DIAL)	83.22	
32 84 23 00-0095			Remote Control Valve Assemblies (32 84 23 00-0041)		
			Note: Includes excavation and disposal of soil, installation of 6" minimum depth gravel or crushed rock, woven wire cloth, valve, fittings, valve box (Carson 1419-12), as detailed in the Caltrans Standard Plans 2010 page 224.		
	32 84 23 00-0096	EA	1" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12).....	383.30	109.95
	32 84 23 00-0097	EA	1-1/2" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12)	405.71	109.95
	32 84 23 00-0098	EA	2" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12).....	434.53	109.95
	32 84 23 00-0099	EA	1" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12).....	415.32	109.95
			Note: Purple components for use with recycled water		
	32 84 23 00-0100	EA	1-1/2" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12).....	437.73	109.95
			Note: Purple components for use with recycled water		
	32 84 23 00-0101	EA	2" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12).....	466.55	109.95
			Note: Purple components for use with recycled water		
	32 84 23 00-0102	EA	1" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12).....	424.38	109.95
			Note: Purple components for use with recycled water		
	32 84 23 00-0103	EA	1-1/2" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12).....	488.29	109.95
			Note: Purple components for use with recycled water		
	32 84 23 00-0104	EA	2" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12).....	532.10	109.95
			Note: Purple components for use with recycled water		
32 84 23 00-0105			Irrigation Valve Boxes (32 84 23)		
			Note: Includes lid.		
	32 84 23 00-0106	EA	6" Round Irrigation Valve Box With Lid (Rain Bird® PVB-6RND)	72.86	31.66
	32 84 23 00-0107	EA	7" Round Irrigation Valve Box With Lid (Rain Bird® VB-7RND).....	80.43	31.66
	32 84 23 00-0108	EA	10" Round Irrigation Valve Box With Lid (Rain Bird® VB-10RND).....	105.62	41.70
	32 84 23 00-0109	EA	21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-STD).....	176.40	60.86
	32 84 23 00-0110	EA	21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-STDH).....	179.25	60.86
	32 84 23 00-0111	EA	26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-JMB)	199.66	60.86
	32 84 23 00-0112	EA	26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-JMBH).....	202.09	60.86
	32 84 23 00-0113	EA	33.1" x 23.8" x 15" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-SPRH)	318.75	60.86
	32 84 23 00-0114	EA	40.3" x 27.1" x 18" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-MAXH)	469.85	60.86
	32 84 23 00-0115	EA	Number 5 CALTRANS Concrete Valve Box With Non-Traffic Rated Concrete Lid.....	314.83	105.17
			For 12" Extension, Add	63.20	
	32 84 23 00-0116	EA	Number 5 CALTRANS Concrete Valve Box With Non-Traffic Rated Steel Lid.....	463.27	105.17
			For 12" Extension, Add	63.20	
	32 84 23 00-0117	EA	12" x 17" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Carson 1419-12).....	144.01	52.77
	32 84 23 00-0118	EA	15" x 21" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Carson 1220-12).....	200.94	60.86
	32 84 23 00-0119	EA	10" Round Irrigation Valve Box With Lid (Carson 910-10)	113.39	41.70
32 84 23 00-0120			Irrigation Controllers (32 84 23)		
			See CSI section 27 14 13 16-0531 for low voltage wiring.		
32 84 23 00-0121			Irrigation Controllers (32 84 23 00-0120)		
32 84 23 00-0122			Irrigation Controllers (Rain Bird®) (32 84 23 00-0121)		
32 84 23 00-0123			Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP Series) (32 84 23 00-0122)		
32 84 23 00-0124			Four Program, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) (32 84 23 00-0123)		
32 84 23 00-0125			Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-MEI Series) (32 84 23 00-0124)		
	32 84 23 00-0126	EA	4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	215.93	28.05
	32 84 23 00-0127	EA	7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	302.84	28.05
	32 84 23 00-0128	EA	10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	389.75	28.05
	32 84 23 00-0129	EA	13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	476.65	28.05
	32 84 23 00-0130	EA	16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	535.51	28.05
	32 84 23 00-0131	EA	19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	625.92	28.05
	32 84 23 00-0132	EA	22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	716.34	28.05
32 84 23 00-0133			Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) (32 84 23 00-0124)		
	32 84 23 00-0134	EA	4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	242.35	28.05
	32 84 23 00-0135	EA	7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	329.26	28.05
	32 84 23 00-0136	EA	10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	416.17	28.05
	32 84 23 00-0137	EA	13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	503.07	28.05



		Exterior Improvements	32
		Irrigation	32 80
		Planting Irrigation	32 84
			32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0138 EA 16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	561.93	28.05
32 84 23 00-0139 EA 19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	652.34	28.05
32 84 23 00-0140 EA 22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	742.76	28.05
32 84 23 00-0141 Four Program, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) (32 84 23 00-0123)		
32 84 23 00-0142 Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTEI Series) (32 84 23 00-0141)		
32 84 23 00-0143 EA 4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	307.71	28.05
32 84 23 00-0144 EA 7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	394.62	28.05
32 84 23 00-0145 EA 10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	481.53	28.05
32 84 23 00-0146 EA 13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	568.43	28.05
32 84 23 00-0147 EA 16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	627.29	28.05
32 84 23 00-0148 EA 19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	717.70	28.05
32 84 23 00-0149 EA 22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	808.12	28.05
32 84 23 00-0150 Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) (32 84 23 00-0141)		
32 84 23 00-0151 EA 4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	327.51	28.05
32 84 23 00-0152 EA 7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	414.42	28.05
32 84 23 00-0153 EA 10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	501.33	28.05
32 84 23 00-0154 EA 13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	588.23	28.05
32 84 23 00-0155 EA 16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	647.09	28.05
32 84 23 00-0156 EA 19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	737.50	28.05
32 84 23 00-0157 EA 22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	827.92	28.05
32 84 23 00-0158 Accessories For ESP-ME/MEI Irrigation Controllers (32 84 23 00-0123)		
32 84 23 00-0159 EA 3-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM3)..... Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	90.41	
32 84 23 00-0160 EA 6-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM6)..... Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	175.32	
32 84 23 00-0161 EA Smart Controller Upgrade Kit For ESP Series Irrigation Controllers (Rain Bird® ESPSMTEUPG).....	197.99	
32 84 23 00-0162 Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Series) (32 84 23 00-0122)		
32 84 23 00-0163 Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Basic Series) (32 84 23 00-0162)		
32 84 23 00-0164 EA 12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	485.72	28.05
32 84 23 00-0165 EA 16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	593.69	28.05
32 84 23 00-0166 EA 20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	702.93	28.05
32 84 23 00-0167 EA 24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	810.90	28.05
32 84 23 00-0168 EA 28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	920.15	28.05
32 84 23 00-0169 EA 32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,028.11	28.05
32 84 23 00-0170 EA 36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,137.36	28.05
32 84 23 00-0171 EA 40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,245.32	28.05
32 84 23 00-0172 EA 44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,354.57	28.05
32 84 23 00-0173 EA 48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,462.54	28.05
32 84 23 00-0174 Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LXME Series) (32 84 23 00-0162)		
32 84 23 00-0175 EA 8-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	454.64	28.05
32 84 23 00-0176 EA 12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	562.60	28.05
32 84 23 00-0177 EA 16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	671.85	28.05
32 84 23 00-0178 EA 20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	779.81	28.05
32 84 23 00-0179 EA 24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	889.06	28.05
32 84 23 00-0180 EA 28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	997.03	28.05
32 84 23 00-0181 EA 32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,106.27	28.05
32 84 23 00-0182 EA 36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,214.24	28.05
32 84 23 00-0183 EA 40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,323.48	28.05
32 84 23 00-0184 EA 44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,431.45	28.05
32 84 23 00-0185 EA 48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,540.71	28.05
32 84 23 00-0186 Accessories For ESP-LX/LXME Irrigation Controllers (32 84 23 00-0162)		
32 84 23 00-0187 EA Powder Coated Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMM).....	303.99	
32 84 23 00-0188 EA Powder Coated Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMPED + LXMM)..... Note: Excludes concrete foundation.	694.47	
32 84 23 00-0189 EA Stainless Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSS).....	627.55	

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0190 EA Stainless Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSSPED + LXMMSS) 1,386.44 Note: Excludes concrete foundation.	1,386.44	
32 84 23 00-0191 EA 4-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM4)..... 107.97 Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	107.97	
32 84 23 00-0192 EA 8-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM8)..... 217.21 Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	217.21	
32 84 23 00-0193 EA 12-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM12)..... 333.99 Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	333.99	
32 84 23 00-0194 EA Flow Smart Water Management Module For ESP-LXME Irrigation Controllers (Rain Bird® FSM-LXME)..... 116.97	116.97	
32 84 23 00-0195 Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) (32 84 23 00-0122)		
32 84 23 00-0196 Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) (32 84 23 00-0195)		
32 84 23 00-0197 EA 1-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series)..... 218.70	218.70	28.05
32 84 23 00-0198 EA 2-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series)..... 269.18	269.18	28.05
32 84 23 00-0199 EA 4-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series)..... 348.35	348.35	28.05
32 84 23 00-0200 Accessories For TBOS-II Series Irrigation Controllers (32 84 23 00-0195)		
32 84 23 00-0201 EA Field Transmitter For TBOS-II Series Irrigation Controllers (Rain Bird® TBOS2FTUS)..... 224.25	224.25	
32 84 23 00-0202 EA Potted Latching Solenoid For TBOS-II Series Irrigation Controllers (Rain Bird® TBOSPSOL) 61.98	61.98	21.04
32 84 23 00-0203 Accessories For Irrigation Controllers (Rain Bird®) (32 84 23 00-0122)		
32 84 23 00-0204 EA Wired Rain Sensor For Irrigation Controllers (Rain Bird® RSDBEX)..... 105.29	105.29	21.04
32 84 23 00-0205 EA Wireless Rain Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RC) 199.85	199.85	21.04
32 84 23 00-0206 EA Wireless Rain/Freeze Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RFC)..... 207.53	207.53	21.04
32 84 23 00-0207 EA Soil Moisture Sensor And Controller Interface For Irrigation Controllers (Rain Bird® SMRT-Y)..... 274.17	274.17	21.04
32 84 23 00-0208 Two-Wire Decoder Systems (32 84 23 00-0120)		
32 84 23 00-0209 Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0208)		
32 84 23 00-0210 Controllers For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series) (32 84 23 00-0209) Note: Includes water resistant cabinet.		
32 84 23 00-0211 EA 50-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series) 1,244.26	1,244.26	28.05
32 84 23 00-0212 EA 125-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series) 1,933.78	1,933.78	28.05
32 84 23 00-0213 EA 200-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series) 2,623.31	2,623.31	28.05
32 84 23 00-0214 Field Decoders For Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0209)		
32 84 23 00-0215 EA One Individual Valve Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD101TURF)..... 163.78	163.78	28.05
32 84 23 00-0216 EA One Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD102TURF) 205.99	205.99	28.05
32 84 23 00-0217 EA Two Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD202TURF) 301.57	301.57	28.05
32 84 23 00-0218 EA Up To Four Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD401TURF)..... 355.89	355.89	28.05
32 84 23 00-0219 EA Up To Six Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD601TURF) 567.04	567.04	28.05
32 84 23 00-0220 Accessories For Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0209)		
32 84 23 00-0221 EA 50-Station Replacement Base Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® MOD50-LXD)..... 952.31	952.31	
32 84 23 00-0222 EA 75-Station Expansion Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® SPLXDSM75) 689.52	689.52	
32 84 23 00-0223 EA Line Surge Protection For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® LSP1TURF) 125.30	125.30	24.55
32 84 23 00-0224 EA Sensor Decoder Interface For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® SD210TURF)..... 476.98	476.98	28.05
32 84 23 00-0225 Calsense Controllers (32 84 23 00-0120)		
32 84 23 00-0226 Irrigation Controllers (32 84 23 00-0225)		
32 84 23 00-0227 EA 6 Station ET-Driven Irrigation Controller (Calsense ET2000E-6)..... 1,584.33	1,584.33	70.13
32 84 23 00-0228 EA 8 Station ET-Driven Irrigation Controller (Calsense ET2000E-8)..... 2,038.44	2,038.44	78.89
32 84 23 00-0229 EA 12 Station ET-Driven Irrigation Controller (Calsense ET2000E-12)..... 2,788.08	2,788.08	87.66
32 84 23 00-0230 EA 16 Station ET-Driven Irrigation Controller (Calsense ET2000E-16)..... 3,063.46	3,063.46	87.66
32 84 23 00-0231 EA 24 Station ET-Driven Irrigation Controller (Calsense ET2000E-24)..... 3,618.33	3,618.33	96.43
32 84 23 00-0232 EA 32 Station ET-Driven Irrigation Controller (Calsense ET2000E-32)..... 4,357.15	4,357.15	96.43
32 84 23 00-0233 EA 40 Station ET-Driven Irrigation Controller (Calsense ET2000E-40)..... 4,932.15	4,932.15	105.20
32 84 23 00-0234 EA 48 Station ET-Driven Irrigation Controller (Calsense ET2000E-48)..... 5,516.49	5,516.49	105.20
32 84 23 00-0235 EA Upgrade Existing Calsense Controller To ET2000E (Calsense ET2000E-UPGRADE) 1,596.63	1,596.63	35.07
32 84 23 00-0236 EA Upgrade Existing Calsense Controller With 8 Additional Stations (Calsense STATION UPGRADE) 680.73	680.73	35.07
32 84 23 00-0237 Irrigation Controller Accessories (32 84 23 00-0225)		



Exterior Improvements		32
Irrigation		32 80
Planting Irrigation		32 84

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0238 EA Set Of 10 Keys For Calsense Controllers Or Enclosures (Calsense KEY-1)	64.48	
32 84 23 00-0239 EA Spare Lock For Enclosures (Calsense PAD)	69.85	
32 84 23 00-0240 EA Hardware And Software For Up To 4 Additional Light Circuits (Calsense L)	87.38	8.77
32 84 23 00-0241 EA Transformer For Irrigation Controllers (Calsense TR-1)	137.30	35.07
32 84 23 00-0242 EA AC Line Protection For Irrigation Controllers (Calsense TP-110)	345.51	35.07
32 84 23 00-0243 EA Transient Protection Board For Irrigation Controller Stations (Calsense TP-1)	452.98	35.07
<i>For Outdoor Gray Powder Coated Stainless Steel Enclosure, Add</i>	339.41	
32 84 23 00-0244 Sensors For Irrigation Controllers (32 84 23 00-0225)		
32 84 23 00-0245 Flow Sensors (32 84 23 00-0244)		
32 84 23 00-0246 EA 1-1/2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 1.5)	790.29	52.59
<i>For Flow Meter Replacement Insert Only, Deduct</i>	-425.15	
32 84 23 00-0247 EA 2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 2)	817.16	52.59
<i>For Flow Meter Replacement Insert Only, Deduct</i>	-452.02	
32 84 23 00-0248 EA 3" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 3)	844.03	52.59
<i>For Flow Meter Replacement Insert Only, Deduct</i>	-478.89	
32 84 23 00-0249 EA 1" Brass Tee Mounted Flow Meter (Calsense FM 1B)	939.54	70.13
<i>For Flow Meter Replacement Insert Only, Deduct</i>	-574.19	
32 84 23 00-0250 EA 1-1/4" Brass Tee Mounted Flow Meter (Calsense FM 1.25B)	1,006.70	70.13
<i>For Flow Meter Replacement Insert Only, Deduct</i>	-641.35	
32 84 23 00-0251 EA 1-1/2" Brass Tee Mounted Flow Meter (Calsense FM 1.5B)	1,033.57	70.13
<i>For Flow Meter Replacement Insert Only, Deduct</i>	-668.22	
32 84 23 00-0252 EA 2" Brass Tee Mounted Flow Meter (Calsense FM 2B)	1,208.20	70.13
<i>For Flow Meter Replacement Insert Only, Deduct</i>	-714.57	
32 84 23 00-0253 EA 2" Pipe Saddle Mounted Insertion Flow Meter (Calsense FMBX)	929.85	35.07
<i>Note: For 4" and larger pipe. Excludes pipe saddle. For Flow Meter Replacement Insert Only, Deduct</i>	-436.22	
32 84 23 00-0254 Moisture Sensors (32 84 23 00-0244)		
32 84 23 00-0255 EA Soil Moisture Sensor (Calsense 1000-S)	334.69	26.30
32 84 23 00-0256 Weather Sensors (32 84 23 00-0244)		
32 84 23 00-0257 EA Wind Gage, Irrigation Weather Sensor (Calsense WG-1)	912.67	70.13
32 84 23 00-0258 EA Tipping Rain Bucket, Irrigation Weather Sensor (Calsense RB-1)	1,079.80	140.26
32 84 23 00-0259 EA ET Gage, Irrigation Weather Sensor (Calsense ETG)	2,057.44	105.20
32 84 23 00-0260 Weather Sensor Accessories (32 84 23 00-0244)		
32 84 23 00-0261 EA Replacement Ceramic Cup For ET Gage Weather Sensor (Calsense ETG-C)	607.46	
32 84 23 00-0262 EA Replacement Circuit Board For ET Gage Weather Sensor (Calsense ETG-PCB)	1,131.35	
32 84 23 00-0263 EA Vandal Resistant Mounting Base For ET Gage Enclosure (Calsense ETGE-BASE)	607.46	35.07
32 84 23 00-0264 EA Vandal Resistant Stainless Steel Enclosure For ET Gage (Calsense ETGE)	1,371.67	35.07
32 84 23 00-0265 Antennas For Irrigation Controllers (32 84 23 00-0225)		
<i>Note: Excludes antenna cable.</i>		
32 84 23 00-0266 EA Local Radio Dome Antenna (Calsense LR-DOME)	325.36	35.07
32 84 23 00-0267 EA Local Radio Stick Antenna (Calsense LR-STICK)	466.41	35.07
32 84 23 00-0268 EA Local Radio Yagi Antenna (Calsense LR-YAGI)	536.54	70.13
32 84 23 00-0269 EA Local Radio And Calsense Radio, Remote Dome Antenna (Calsense LR-DOME-RR)	325.36	35.07
32 84 23 00-0270 EA Local Radio And Calsense Radio, Enhanced Remote Dome Antenna (Calsense LR-DOME-RRE)	325.36	35.07
32 84 23 00-0271 EA GPRS Stubby Antenna (Calsense GR-STUBBY)	325.36	35.07
32 84 23 00-0272 EA GPRS Stick Antenna (Calsense GR-STICK)	466.41	35.07
32 84 23 00-0273 EA Spread Spectrum Dome Antenna (Calsense SR-DOME)	325.36	35.07
32 84 23 00-0274 EA Spread Spectrum Stick Antenna (Calsense SR-STICK)	466.41	35.07
32 84 23 00-0275 EA Spread Spectrum Yagi Antenna (Calsense SR-YAGI)	536.54	70.13
32 84 23 00-0276 EA Spread Spectrum And Calsense Radio, Remote Dome Antenna (Calsense SR-DOME-RR)	325.36	35.07
32 84 23 00-0277 EA Spread Spectrum And Calsense Radio, Enhanced Remote Dome Antenna (Calsense SR-DOME-RRE)	325.36	35.07
32 84 23 00-0278 EA Spread Spectrum Stubby Antenna (Calsense SR-STUBBY)	325.36	35.07
32 84 23 00-0279 EA WiFi Stubby Antenna (Calsense WEN-STUBBY)	325.36	35.07
32 84 23 00-0280 LF Antenna Cable With End Connectors (Calsense LMR-400-DB)	8.63	0.42
32 84 23 00-0281 EA Surge Protection Device For Antenna (Calsense ANT-PROT)	317.17	17.53
32 84 23 00-0282 EA 5' High, Non-Penetrating, Antenna Tripod Mount (Calsense ANT-TRIP5)	520.14	35.07
32 84 23 00-0283 EA 3' Antenna Stand Off Mount For 3" Maximum Tower Leg (Calsense ANT-SOM)	436.58	
32 84 23 00-0284 EA Local Radio Frequency Filter (Calsense LR-FILTER)	617.93	
32 84 23 00-0285 EA Spread Spectrum Frequency Filter (Calsense SR-FILTER)	456.73	
32 84 23 00-0286 Pedestals And Enclosures For Irrigation Controllers (32 84 23 00-0225)		
32 84 23 00-0287 EA 15 Amp, Circuit Breaker With Enclosure For Irrigation Controllers (Calsense SSE-BREAKER)	306.70	52.59
32 84 23 00-0288 EA Standard Gray Powder Coated Stainless Steel Controller Enclosure (Calsense C-BOX)	724.86	87.66
32 84 23 00-0289 EA Indoor Wall Mount, Stainless Steel Back Panel (Calsense SSBP)	775.37	35.07
<i>Note: Includes GFI and receptacle.</i>		
32 84 23 00-0290 EA Standard Gray Powder Coated Stainless Steel Pedestal (Calsense PD-1)	919.03	26.30
<i>Note: Includes factory installed transient protection board and AC line protection.</i>		
32 84 23 00-0291 EA Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE)	2,854.33	26.30
<i>Note: Includes factory installed transient protection board and AC line protection.</i>		

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0292 EA Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-R).....	3,222.83	26.30
Note: Includes factory installed transient protection board, AC line protection and dome antenna.		
32 84 23 00-0293 EA Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D)	4,682.87	52.59
Note: Includes factory installed transient protection boards and AC line protection. Pre-wired for two controllers.		
32 84 23 00-0294 EA Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D-R)	4,907.26	52.59
Note: Includes factory installed transient protection boards, AC line protection and dome antenna. Pre-wired for two controllers.		
32 84 23 00-0295 EA Bolt Mounting Template For Heavy-Duty Stainless Steel Enclosures (Calsense SSE-CAM)	164.07	
32 84 23 00-0296 EA Stainless Steel Fully Enclosed Riser For Calsense SSE Enclosures (Calsense SSE-PED).....	529.47	
32 84 23 00-0297 Central Computer For Irrigation Control Systems (32 84 23 00-0225)		
32 84 23 00-0298 EA Central Computer For Irrigation Control Systems (Calsense COMP-2).....	3,599.40	
Note: Includes a minimum of 133 MHz Pentium, 32 Meg Ram, 1.2 GB hard drive, 14.4 modem and a printer. Excludes Command Center Water Management software.		
32 84 23 00-0299 EA Command Center Water Management Software For Central Computer (Calsense COMM-1).....	6,359.31	
32 84 23 00-0300 EA Up To 5 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-5).....	1,225.74	
Note: Package price for up to 5 users. Includes remote communication through internet connection.		
32 84 23 00-0301 EA >5 To 10 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-10)	2,402.38	
Note: Package price for 6 to 10 users. Includes remote communication through internet connection.		
32 84 23 00-0302 EA Data Logger With Phone Modem For Irrigation Control Systems (Calsense DL-2)	3,864.31	
32 84 23 00-0303 EA GPRS Radio For Use At Central Computer (Calsense DTR-G).....	2,308.07	
32 84 23 00-0304 Data Access Service (32 84 23 00-0225)		
32 84 23 00-0305 EA 1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN)	19.54	
Note: For communication between GPRS unit and up to 2 controllers.		
32 84 23 00-0306 EA 1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR)	213.71	
Note: For communication between GPRS unit and up to 2 controllers.		
32 84 23 00-0307 EA 5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR)	915.90	
Note: For communication between GPRS unit and up to 2 controllers.		
32 84 23 00-0308 EA 1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN-M)	79.38	
Note: For communication between GPRS unit and multiple controllers.		
32 84 23 00-0309 EA 1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR-M)	854.84	
Note: For communication between GPRS unit and multiple controllers.		
32 84 23 00-0310 EA 5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR-M)	3,663.60	
Note: For communication between GPRS unit and multiple controllers.		
32 84 23 00-0311 Communication Options For Irrigation Controllers (32 84 23 00-0225)		
32 84 23 00-0312 EA FCC License Fee (Calsense).....	138.87	
32 84 23 00-0313 EA P.C.I.A. And/Or A.P.C.O. Fee (Calsense).....	260.99	
Note: Per frequency or frequency pair.		
32 84 23 00-0314 EA Hardware Communication Option For Irrigation Controllers (Calsense M)	708.30	
Note: Allows multiple controllers to be chained together via a communications cable and share one phone line.		
32 84 23 00-0315 EA Phone Line Communication Option For Irrigation Controllers (Calsense R)	744.93	
32 84 23 00-0316 EA Ethernet Communication Option For Irrigation Controllers (Calsense EN)	744.93	
32 84 23 00-0317 EA WiFi Communication Option For Irrigation Controllers (Calsense WEN)	1,526.50	
32 84 23 00-0318 EA Local Radio Communication Option For Irrigation Controllers (Calsense LR)	1,941.71	
32 84 23 00-0319 EA Spread Spectrum Radio Communication Option For Irrigation Controllers (Calsense SR).....	1,941.71	
32 84 23 00-0320 EA GPRS Radio Modem Communication Option For Irrigation Controllers (Calsense GR)	1,941.71	
32 84 23 00-0321 EA Fiber Optic Modem Communication Option For Irrigation Controllers (Calsense FOM)	6,228.12	
32 84 23 00-0322 EA Communication Hub For Irrigation Controllers (Calsense HUB)	2,407.25	
Note: Accepts up to two communication options. Excludes communication options.		
32 84 23 00-0323 Retrofit Options For Irrigation Controllers (32 84 23 00-0225)		
32 84 23 00-0324 Weather Retrofits For Irrigation Controllers (32 84 23 00-0323)		
32 84 23 00-0325 EA Add One Flow Sensor Interface To An Existing Calsense Controller (Calsense F-RETRO)	967.71	
32 84 23 00-0326 EA Add One ET Gage Interface To An Existing Calsense Controller (Calsense G-RETRO)	967.71	
32 84 23 00-0327 EA Add One Tipping Rain Bucket Interface To An Existing Calsense Controller (Calsense RB-RETRO)	967.71	
32 84 23 00-0328 EA Add One Wind Gage Interface To An Existing Calsense Controller (Calsense WG-RETRO)	967.71	
32 84 23 00-0329 Phone Communication Retrofits For Irrigation Controllers (32 84 23 00-0323)		
32 84 23 00-0330 EA Add The Ability To Chain To Another Calsense Controller With The Phone Line Communication Option And Share One Phone Line (Calsense M-RETRO)	1,016.56	
32 84 23 00-0331 EA Add The Phone Line Communication Option To An Existing Calsense Controller (Calsense R-RETRO).....	1,199.74	
32 84 23 00-0332 EA Add The Phone Line Communication Option And The Ability To Chain To Another Calsense Controller And Share One Phone Line (Calsense MLR-RETRO)	1,914.14	
32 84 23 00-0333 Local Radio Communication Retrofits For Irrigation Controllers (32 84 23 00-0323)		
32 84 23 00-0334 EA Add The Ability To Chain To Another Calsense Controller With The Local Radio Communication Option And Share One Local Radio (Calsense ML-RETRO)	1,138.68	
32 84 23 00-0335 EA Add The Local Radio Communication Option To An Existing Calsense Controller (Calsense LR-RETRO)	2,384.30	
32 84 23 00-0336 EA Add The Local Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Local Radio (Calsense MLR-RETRO).....	3,092.60	



Exterior Improvements		32
	Irrigation	32 80
	Planting Irrigation	32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0337 Spread Spectrum Radio Communication Retrofits For Irrigation Controllers <i>(32 84 23 00-0323)</i>		
32 84 23 00-0338 EA Add The Ability To Chain To Another Calsense Controller With The Spread Spectrum Radio Communication Option And Share One Spread Spectrum Radio (Calsense MS-RETRO).....	1,138.68	
32 84 23 00-0339 EA Add The Spread Spectrum Radio Communication Option To An Existing Calsense Controller (Calsense SR-RETRO).....	2,384.30	
32 84 23 00-0340 EA Add The Spread Spectrum Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Spread Spectrum Radio (Calsense MSR-RETRO)	3,092.60	
32 84 23 00-0341 Ethernet Communication Retrofits For Irrigation Controllers <i>(32 84 23 00-0323)</i>		
32 84 23 00-0342 EA Add The Ability To Chain To Another Calsense Controller With The Ethernet Communication Option And Share One Ethernet Device (Calsense ME-RETRO).....	1,138.68	
32 84 23 00-0343 EA Add The Ethernet Communication Option To An Existing Calsense Controller (Calsense EN-RETRO)	1,199.74	
32 84 23 00-0344 EA Add The Ethernet Communication Option And The Ability To Chain To Another Calsense Controller And Share One Ethernet Device (Calsense MEN-RETRO)	1,914.14	
32 84 23 00-0345 GPRS Radio Modem Communication Retrofits For Irrigation Controllers <i>(32 84 23 00-0323)</i>		
32 84 23 00-0346 EA Add The Ability To Chain To Another Calsense Controller With The GPRS Communication Option And Share One GPRS Modem (Calsense MG-RETRO).....	1,138.68	
32 84 23 00-0347 EA Add The GPRS Communication Option To An Existing Calsense Controller (Calsense GR-RETRO)	2,384.30	
32 84 23 00-0348 EA Add The GPRS Communication Option And The Ability To Chain To Another Calsense Controller And Share One GPRS Modem (Calsense MGR-RETRO)	3,092.60	
32 84 23 00-0349 Radio Remote Units For Irrigation Controllers <i>(32 84 23 00-0225)</i>		
32 84 23 00-0350 EA Enhanced Radio Remote Hand-Held Transmitter With Carry Case (Calsense RRe-TRAN)	1,144.79	
32 84 23 00-0351 EA Calsense Integrated Radio Remote Receiver Board (Calsense RR/RRe)..... Note: Includes polyvinyl chloride (PVC) stick antenna. Excludes antenna cable.	241.80	
32 84 23 00-0352 EA Wall Mount Charger For Hand-Held Transmitter (Calsense RRTRAN-CHG)	103.80	
32 84 23 00-0353 EA Replacement Battery For Hand-Held Transmitter (Calsense RRTRAN-BAT).....	188.50	
32 84 23 00-0354 EA Polyvinyl Chloride (PVC) Stick Antenna For Radio Remote Receiver Board (Calsense RR-ANT)..... Note: Excludes antenna cable.	121.33	8.77
32 84 23 00-0355 EA Whip Antenna For Radio Remote Receiver Board (Calsense RRe-WHIP)	231.24	8.77
32 84 23 00-0356 EA Dome Antenna For Radio Remote Receiver Board (Calsense RR-Dome/RRe-Dome)	249.56	8.77
32 84 23 00-0357 Satellite Irrigation Controllers (Rain Bird® ESP-SAT) <i>(32 84 23 00-0120)</i>		
Note: Satellite controllers compatible with Maxi-Con Central Control. Includes link communication with SEMET at the controller and stainless steel cabinet. Excludes concrete pad.		
32 84 23 00-0358 EA 12 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP12SATLS)	2,722.63	157.79
32 84 23 00-0359 EA 24 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP24SATLS)	2,871.33	166.56
32 84 23 00-0360 EA 40 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP40SATLS)	3,961.60	175.32
32 84 23 00-0361 LEIT Controllers <i>(32 84 23 00-0120)</i>		
32 84 23 00-0362 LEIT X Series Irrigation Controller <i>(32 84 23 00-0361)</i>		
32 84 23 00-0363 EA 10 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	2,542.76	28.05
32 84 23 00-0364 EA 12 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	2,787.91	28.05
32 84 23 00-0365 EA 16 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	3,197.73	28.05
32 84 23 00-0366 EA 20 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	3,607.54	28.05
32 84 23 00-0367 EA 24 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	3,901.80	28.05
32 84 23 00-0368 EA 28 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	4,196.05	28.05
32 84 23 00-0369 LEIT X Series Irrigation Controller Assembly <i>(32 84 23 00-0361)</i>		
Note: Includes excavation and concrete for footing, 2" diameter galvanized steel pole (minimum 18" bury), 2" sweeps, controller, and number 5 concrete box with non-traffic rated lid per detail.		
32 84 23 00-0370 EA 10 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole.....	2,945.65	146.58
32 84 23 00-0371 EA 12 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole.....	3,190.80	146.58
32 84 23 00-0372 EA 16 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole.....	3,600.62	146.58
32 84 23 00-0373 EA 20 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole.....	4,010.43	146.58
32 84 23 00-0374 EA 24 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole.....	4,304.69	146.58
32 84 23 00-0375 EA 28 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole.....	4,598.94	146.58
32 84 23 00-0376 Enclosure For LEIT Controller Assembly <i>(32 84 23 00-0361)</i>		
Note: Includes mounting bolts to concrete foundation and installation of enclosure per detail.		
32 84 23 00-0377 EA 12" x 12" x 54" Milled Steel, #9 Expanded Metal, Painted Per Detail, Enclosure With Access Hatch	1,977.52	191.20
Note: For LEIT Controller		
32 84 23 00-0378 Hunter Controllers <i>(32 84 23 00-0120)</i>		
32 84 23 00-0379 Hunter XC Hybrid Controller <i>(32 84 23 00-0378)</i>		
Note: Operates DC latching solenoids with battery power or a plug in 24 VAC transformer. Includes 6 AA batteries, outdoor stainless steel enclosure and installation of controller in Irrigation Controller Enclosure.		

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
32 84 23 00-0380	EA	6 Station Hybrid Irrigation Controller With Stainless Steel Enclosure (Hunter XCH-600-SS).....	446.46	70.13
32 84 23 00-0381	EA	12 Station Hybrid Irrigation Controller With Stainless Steel Enclosure (Hunter XCH-1200-SS).....	567.28	87.66
32 84 23 00-0382		DC Latching Solenoid (32 84 23 00-0120)		
32 84 23 00-0383	EA	DC Latching Solenoid (Micro Power Solenoid) For Non LEIT Controllers Note: As per manufacture of valve.	27.48	
32 84 23 00-0384	EA	DC Solenoid For LEIT Controllers (DIG S-305DC).....	40.50	
32 84 23 00-0385		Irrigation Controller Enclosure Cabinet (32 84 23 00-0120)		
Note: Includes excavation, installation of concrete foundation, mounting bolts, sweeps, number 5 concrete pull box with non-traffic rated lid and installation of enclosure per detail.				
32 84 23 00-0386	EA	35" (H) x 18" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan).....	2,036.38	385.63
32 84 23 00-0387	EA	35" (H) x 24" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan).....	2,201.74	420.68
32 84 23 00-0388	EA	35" (H) x 36" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan).....	2,433.30	455.74
32 84 23 00-0389	EA	35" (H) x 18" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Irrigation Controller Enclosure Cabinet,	2,036.40	385.63
32 84 23 00-0390	EA	35" (H) x 24" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Steel Irrigation Controller Enclosure Cabinet	2,201.74	420.68
32 84 23 00-0391	EA	35" (H) x 36" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Steel Irrigation Controller Enclosure Cabinet	2,433.30	455.74
32 84 23 00-0392	EA	35" (H) x 18" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet.....	2,478.76	385.63
32 84 23 00-0393	EA	35" (H) x 24" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet.....	2,699.39	420.68
32 84 23 00-0394	EA	35" (H) x 36" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet.....	2,930.95	455.74
32 84 23 00-0395		Irrigation Valves (32 84 23)		
32 84 23 00-0396		Reduced Pressure Zone Valves With QT Shut-Offs (32 84 23 00-0395)		
Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).				
32 84 23 00-0397	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series).....	545.11	36.31
32 84 23 00-0398	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	647.40	44.33
32 84 23 00-0399	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	970.68	51.61
32 84 23 00-0400	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	1,028.43	59.25
32 84 23 00-0401	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	1,236.89	76.45
32 84 23 00-0402		Brass Quick-Coupling Irrigation Valves (32 84 23 00-0395)		
32 84 23 00-0403	EA	3/4", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 3RC)..... For Valve Key, Add 23.54	111.35	31.66
32 84 23 00-0404	EA	3/4", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 33DRC)..... For Locking Cover, Add 25.00 For Valve Key, Add 23.54	114.07	31.66
32 84 23 00-0405	EA	1", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44RC)..... For Valve Key, Add 60.20	144.01	31.66
32 84 23 00-0406	EA	1", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44LRC)..... For Valve Key, Add 60.20	154.90	31.66
32 84 23 00-0407	EA	1", 1-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 5NP).....	149.77	31.66
32 84 23 00-0408	EA	1", 2-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 44NP).....	154.90	31.66
32 84 23 00-0409		Anti-Siphon Pressure Type Vacuum Breaker (32 84 23 00-0395)		
Note: Pressure: 15 to 150 PSI, temperature: 33 to 140 degrees Fahrenheit.				
32 84 23 00-0410	EA	3/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	201.75	26.75
32 84 23 00-0411	EA	1" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	286.23	30.58
32 84 23 00-0412	EA	1-1/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	512.29	35.35
32 84 23 00-0413	EA	1-1/2" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	623.38	39.17
32 84 23 00-0414	EA	2" Anti-Siphon Pressure Type Vacuum Breaker.....	631.40	47.77
32 84 23 00-0415		Aluminum Cam And Groove Adapter (32 84 23 00-0395)		
32 84 23 00-0416	EA	1-1/2" Type A Aluminum Cam And Groove Male Adapter x 1-1/2" NPT Female Pipe Thread.....	32.19	
32 84 23 00-0417	EA	2" Type A Aluminum Cam And Groove Male Adapter x 2" NPT Female Pipe Thread.....	33.95	
32 84 23 00-0418	EA	1-1/2" Type F Aluminum Cam And Groove Male Adapter x 1-1/2" NPT Male Pipe Thread.....	32.89	
32 84 23 00-0419	EA	2" Type F Aluminum Cam And Groove Male Adapter x 2" NPT Male Pipe Thread.....	35.25	
32 84 23 00-0420		Irrigation Piping (32 84 23)		
32 84 23 00-0421		Irrigation Piping With Fittings, On Grade With Pipe Stabilizers (32 84 23 00-0420)		
Note: Install stabilizers every 20', at change of direction and at sprinkler heads less than 12" tall.				
32 84 23 00-0422		Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers (32 84 23 00-0421)		
32 84 23 00-0423	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers For >1,000, Deduct	2.46 -0.12	0.88
32 84 23 00-0424	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers For >1,000, Deduct	3.03 -0.15	1.10
32 84 23 00-0425	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers For >1,000, Deduct	3.68 -0.18	1.32



Exterior Improvements		32
Irrigation		32 80
Planting Irrigation		32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0426 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers <i>For >1,000, Deduct</i>	4.89 -0.24	1.67
32 84 23 00-0427 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers <i>For >1,000, Deduct</i>	6.15 -0.31	2.09
32 84 23 00-0428 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers <i>For >1,000, Deduct</i>	7.84 -0.39	2.45
32 84 23 00-0429 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers <i>For >1,000, Deduct</i>	10.78 -0.54	3.52
32 84 23 00-0430 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers <i>For >1,000, Deduct</i>	14.09 -0.70	4.40
32 84 23 00-0431 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers <i>For >1,000, Deduct</i>	20.05 -1.00	5.49
32 84 23 00-0432 Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers (32 84 23 00-0421)		
32 84 23 00-0433 LF 3/4" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers <i>For >1,000, Deduct</i>	2.86 -0.14	1.10
32 84 23 00-0434 LF 1" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers <i>For >1,000, Deduct</i>	3.40 -0.17	1.32
32 84 23 00-0435 LF 1-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers <i>For >1,000, Deduct</i>	4.69 -0.23	1.67
32 84 23 00-0436 LF 2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers <i>For >1,000, Deduct</i>	5.98 -0.30	2.09
32 84 23 00-0437 LF 2-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers <i>For >1,000, Deduct</i>	7.59 -0.38	2.45
32 84 23 00-0438 LF 3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers <i>For >1,000, Deduct</i>	10.69 -0.53	3.52
32 84 23 00-0439 LF 4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers <i>For >1,000, Deduct</i>	14.61 -0.73	4.40
32 84 23 00-0440 LF 6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers <i>For >1,000, Deduct</i>	23.39 -1.17	5.49
32 84 23 00-0441 Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers (32 84 23 00-0421)		
32 84 23 00-0442 LF 3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers <i>For >1,000, Deduct</i>	3.00 -0.15	1.10
32 84 23 00-0443 LF 1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers <i>For >1,000, Deduct</i>	3.59 -0.18	1.32
32 84 23 00-0444 LF 1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers <i>For >1,000, Deduct</i>	5.06 -0.25	1.67
32 84 23 00-0445 LF 2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers <i>For >1,000, Deduct</i>	6.59 -0.33	2.09
32 84 23 00-0446 LF 2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers <i>For >1,000, Deduct</i>	8.57 -0.43	2.45
32 84 23 00-0447 LF 3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers <i>For >1,000, Deduct</i>	10.78 -0.54	3.52
32 84 23 00-0448 LF 4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers <i>For >1,000, Deduct</i>	14.09 -0.70	4.40
32 84 23 00-0449 LF 6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers <i>For >1,000, Deduct</i>	20.38 -1.02	5.49
32 84 23 00-0450 Irrigation Piping With Fittings, Trenching, Cover, Backfilled And Compacted (32 84 23 00-0420) Note: Install thrust blocks per Caltrans details for 3" piping and larger, upstream of remote control valve.		
32 84 23 00-0451 Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted (32 84 23 00-0450)		
32 84 23 00-0452 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	4.72 -0.24	1.10
32 84 23 00-0453 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	5.36 -0.27	1.32
32 84 23 00-0454 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	6.57 -0.33	1.67
32 84 23 00-0455 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	7.83 -0.39	2.09
32 84 23 00-0456 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	9.52 -0.48	2.45
32 84 23 00-0457 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	12.48 -0.62	3.52
32 84 23 00-0458 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	15.78 -0.79	4.40
32 84 23 00-0459 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	21.73 -1.09	5.49
32 84 23 00-0460 Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted (32 84 23 00-0450)		
32 84 23 00-0461 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	4.91 -0.25	1.10

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0462 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....5.55 <i>For >1,000, Deduct</i> -0.28	5.55	1.32
32 84 23 00-0463 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....6.77 <i>For >1,000, Deduct</i> -0.34	6.77	1.67
32 84 23 00-0464 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....8.02 <i>For >1,000, Deduct</i> -0.40	8.02	2.09
32 84 23 00-0465 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....9.72 <i>For >1,000, Deduct</i> -0.49	9.72	2.45
32 84 23 00-0466 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....12.67 <i>For >1,000, Deduct</i> -0.63	12.67	3.52
32 84 23 00-0467 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....15.97 <i>For >1,000, Deduct</i> -0.80	15.97	4.40
32 84 23 00-0468 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....21.92 <i>For >1,000, Deduct</i> -1.10	21.92	5.49
32 84 23 00-0469 Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted (32 84 23 00-0460)		
32 84 23 00-0470 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....5.10 <i>For >1,000, Deduct</i> -0.26	5.10	1.10
32 84 23 00-0471 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....5.75 <i>For >1,000, Deduct</i> -0.29	5.75	1.32
32 84 23 00-0472 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....6.96 <i>For >1,000, Deduct</i> -0.35	6.96	1.67
32 84 23 00-0473 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....8.21 <i>For >1,000, Deduct</i> -0.41	8.21	2.09
32 84 23 00-0474 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....9.91 <i>For >1,000, Deduct</i> -0.50	9.91	2.45
32 84 23 00-0475 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....12.86 <i>For >1,000, Deduct</i> -0.64	12.86	3.52
32 84 23 00-0476 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....16.16 <i>For >1,000, Deduct</i> -0.81	16.16	4.40
32 84 23 00-0477 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....22.12 <i>For >1,000, Deduct</i> -1.11	22.12	5.49
32 84 23 00-0478 Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted (32 84 23 00-0450)		
32 84 23 00-0479 LF 3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....4.63 <i>For >1,000, Deduct</i> -0.23	4.63	1.10
32 84 23 00-0480 LF 1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....5.22 <i>For >1,000, Deduct</i> -0.26	5.22	1.32
32 84 23 00-0481 LF 1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....6.58 <i>For >1,000, Deduct</i> -0.33	6.58	1.67
32 84 23 00-0482 LF 2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....8.13 <i>For >1,000, Deduct</i> -0.41	8.13	2.09
32 84 23 00-0483 LF 2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....10.00 <i>For >1,000, Deduct</i> -0.50	10.00	2.45
32 84 23 00-0484 LF 3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....12.38 <i>For >1,000, Deduct</i> -0.62	12.38	3.52
32 84 23 00-0485 LF 4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....16.31 <i>For >1,000, Deduct</i> -0.82	16.31	4.40
32 84 23 00-0486 LF 6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....25.06 <i>For >1,000, Deduct</i> -1.25	25.06	5.49
32 84 23 00-0487 Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted (32 84 23 00-0450)		
32 84 23 00-0488 LF 3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....4.82 <i>For >1,000, Deduct</i> -0.24	4.82	1.10
32 84 23 00-0489 LF 1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....5.41 <i>For >1,000, Deduct</i> -0.27	5.41	1.32
32 84 23 00-0490 LF 1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....6.78 <i>For >1,000, Deduct</i> -0.34	6.78	1.67
32 84 23 00-0491 LF 2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....8.32 <i>For >1,000, Deduct</i> -0.42	8.32	2.09
32 84 23 00-0492 LF 2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....10.20 <i>For >1,000, Deduct</i> -0.51	10.20	2.45
32 84 23 00-0493 LF 3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....12.57 <i>For >1,000, Deduct</i> -0.63	12.57	3.52
32 84 23 00-0494 LF 4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....16.50 <i>For >1,000, Deduct</i> -0.83	16.50	4.40
32 84 23 00-0495 LF 6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....25.25 <i>For >1,000, Deduct</i> -1.26	25.25	5.49



Exterior Improvements			32
Irrigation			32 80
Planting Irrigation			32 84

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0496			Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted (32 84 23 00-0450)		
	32 84 23 00-0497	LF	3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	5.01	1.10
			<i>For >1,000, Deduct</i>	-0.25	
	32 84 23 00-0498	LF	1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	5.61	1.32
			<i>For >1,000, Deduct</i>	-0.28	
	32 84 23 00-0499	LF	1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	6.97	1.67
			<i>For >1,000, Deduct</i>	-0.35	
	32 84 23 00-0500	LF	2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	8.51	2.09
			<i>For >1,000, Deduct</i>	-0.43	
	32 84 23 00-0501	LF	2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	10.39	2.45
			<i>For >1,000, Deduct</i>	-0.52	
	32 84 23 00-0502	LF	3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	12.76	3.52
			<i>For >1,000, Deduct</i>	-0.64	
	32 84 23 00-0503	LF	4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	16.69	4.40
			<i>For >1,000, Deduct</i>	-0.83	
	32 84 23 00-0504	LF	6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	25.45	5.49
			<i>For >1,000, Deduct</i>	-1.27	
32 84 23 00-0505			Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted (32 84 23 00-0450)		
	32 84 23 00-0506	LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	4.69	1.10
			<i>For >1,000, Deduct</i>	-0.23	
	32 84 23 00-0507	LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	5.27	1.32
			<i>For >1,000, Deduct</i>	-0.26	
	32 84 23 00-0508	LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	6.74	1.67
			<i>For >1,000, Deduct</i>	-0.34	
	32 84 23 00-0509	LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	8.28	2.09
			<i>For >1,000, Deduct</i>	-0.41	
	32 84 23 00-0510	LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	10.24	2.45
			<i>For >1,000, Deduct</i>	-0.51	
	32 84 23 00-0511	LF	3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	12.48	3.52
			<i>For >1,000, Deduct</i>	-0.62	
	32 84 23 00-0512	LF	4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	15.78	4.40
			<i>For >1,000, Deduct</i>	-0.79	
	32 84 23 00-0513	LF	6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	22.05	5.49
			<i>For >1,000, Deduct</i>	-1.10	
32 84 23 00-0514			Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted (32 84 23 00-0450)		
	32 84 23 00-0515	LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	4.88	1.10
			<i>For >1,000, Deduct</i>	-0.24	
	32 84 23 00-0516	LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	5.46	1.32
			<i>For >1,000, Deduct</i>	-0.27	
	32 84 23 00-0517	LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	6.94	1.67
			<i>For >1,000, Deduct</i>	-0.35	
	32 84 23 00-0518	LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	8.47	2.09
			<i>For >1,000, Deduct</i>	-0.42	
	32 84 23 00-0519	LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	10.44	2.45
			<i>For >1,000, Deduct</i>	-0.52	
	32 84 23 00-0520	LF	3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	12.67	3.52
			<i>For >1,000, Deduct</i>	-0.63	
	32 84 23 00-0521	LF	4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	15.97	4.40
			<i>For >1,000, Deduct</i>	-0.80	
	32 84 23 00-0522	LF	6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	22.24	5.49
			<i>For >1,000, Deduct</i>	-1.11	
32 84 23 00-0523			Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted (32 84 23 00-0450)		
	32 84 23 00-0524	LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	5.07	1.10
			<i>For >1,000, Deduct</i>	-0.25	
	32 84 23 00-0525	LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	5.66	1.32
			<i>For >1,000, Deduct</i>	-0.28	
	32 84 23 00-0526	LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	7.13	1.67
			<i>For >1,000, Deduct</i>	-0.36	
	32 84 23 00-0527	LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	8.66	2.09
			<i>For >1,000, Deduct</i>	-0.43	
	32 84 23 00-0528	LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	10.63	2.45
			<i>For >1,000, Deduct</i>	-0.53	

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0529 LF 3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	12.86 -0.64	3.52
32 84 23 00-0530 LF 4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	16.16 -0.81	4.40
32 84 23 00-0531 LF 6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	22.44 -1.12	5.49
32 84 23 00-0532 Irrigation Riser Piping With Fittings (32 84 23 00-0420)		
32 84 23 00-0533 EA 1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 6" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	12.63	2.64
32 84 23 00-0534 EA 3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 6" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	13.76	3.30
32 84 23 00-0535 EA 1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 12" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	13.67	3.08
32 84 23 00-0536 EA 3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 12" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	15.08	3.84
32 84 23 00-0537 EA 1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 24" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	26.44	4.62
32 84 23 00-0538 EA 3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 24" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	28.43	5.78
32 84 23 00-0539 EA 1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 36" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	31.17	5.94
32 84 23 00-0540 EA 3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 36" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	33.73	7.43
32 84 23 00-0541 EA 1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 48" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	35.90	7.25
32 84 23 00-0542 EA 3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 48" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	39.02	9.08
32 84 23 00-0543 Irrigation Crossover Piping With Fittings (32 84 23 00-0420) Note: Install per Caltrans details. Includes thrust blocks, HDPE sleeve pipe and fittings, 3" pvc irrigation piping and 1" electrical pvc conduit. Excludes #5 concrete irrigation pull boxes on ends, electrical control wiring. See CSI section 32 84 23 00-0105 for #5 concrete pull box, 32 84 23 00-0587 for irrigation wiring.		
32 84 23 00-0544 Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench (32 84 23 00-0543)		
32 84 23 00-0545 LF 6" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation..... <i>For >1,000, Deduct</i>	27.23 -1.36	
32 84 23 00-0546 LF 8" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation..... <i>For >1,000, Deduct</i>	38.32 -1.92	
32 84 23 00-0547 LF 10" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation..... <i>For >1,000, Deduct</i>	52.60 -2.63	
32 84 23 00-0548 LF 12" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation..... <i>For >1,000, Deduct</i>	69.32 -3.47	
32 84 23 00-0549 Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench (32 84 23 00-0543)		
32 84 23 00-0550 LF 6" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation..... <i>For >1,000, Deduct</i>	27.81 -1.39	
32 84 23 00-0551 LF 8" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation..... <i>For >1,000, Deduct</i>	38.98 -1.95	
32 84 23 00-0552 LF 10" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation..... <i>For >1,000, Deduct</i>	53.32 -2.67	
32 84 23 00-0553 LF 12" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation..... <i>For >1,000, Deduct</i>	70.10 -3.51	
32 84 23 00-0554 Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 48" Open Trench (32 84 23 00-0543)		
32 84 23 00-0555 LF 6" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 48" Open Trench Installation..... <i>For >1,000, Deduct</i>	28.39 -1.42	
32 84 23 00-0556 LF 8" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation..... <i>For >1,000, Deduct</i>	39.62 -1.98	
32 84 23 00-0557 LF 10" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation..... <i>For >1,000, Deduct</i>	54.03 -2.70	
32 84 23 00-0558 LF 12" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation..... <i>For >1,000, Deduct</i>	70.87 -3.54	
32 84 23 00-0559 Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore (32 84 23 00-0543)		
32 84 23 00-0560 LF 6" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore Installation <i>For >1,000, Deduct</i>	71.46 -3.57	
32 84 23 00-0561 LF 8" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore Installation <i>For >1,000, Deduct</i>	91.51 -4.58	



		Exterior Improvements	32
		Irrigation	32 80
		Planting Irrigation	32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0562 LF 10" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore Installation <i>For >1,000, Deduct</i>	110.20 -5.51	
32 84 23 00-0563 LF 12" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore Installation <i>For >1,000, Deduct</i>	131.32 -6.57	
32 84 23 00-0564 Below Ground Cam Adapter Assembly (32 84 23 00-0420) Note: Includes minimum 6" depth gravel or crushed rock, woven wire cloth, jumbo valve box with 15" x 21.5" cover, 1-1/2" brass ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe		
32 84 23 00-0565 EA Below Ground Cam Adapter Assembly Note: Includes 6" depth gravel or crushed rock, woven wire cloth, jumbo valve box with 15" x 21.5" cover, 1-1/2" brass ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe.	540.03	
32 84 23 00-0566 Above Ground Cam Adapter Assembly (32 84 23 00-0420) Note: Includes concrete thrust block, 1-1/2" plastic ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe		
32 84 23 00-0567 EA Above Ground Cam Adapter Assembly Note: Includes concrete thrust block, 1-1/2" plastic ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe.	345.61	
32 84 23 00-0568 Thrust Block (32 84 23 00-0420)		
32 84 23 00-0569 EA Thrust Block For 1-1/2" Pipe Size And Smaller	30.63	
32 84 23 00-0570 EA Thrust Block For 2" Pipe	52.88	
32 84 23 00-0571 EA Thrust Block For 3" And 4" Pipe	75.15	
32 84 23 00-0572 EA Thrust Block For 6" Pipe	120.08	
32 84 23 00-0573 EA Thrust Block For 8" Pipe	171.35	
32 84 23 00-0574 Irrigation Swing Joints (32 84 23)		
32 84 23 00-0575 EA 3/4" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12075)	42.26	17.51
32 84 23 00-0576 EA 1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12)	47.89	19.54
32 84 23 00-0577 EA 1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint With 70 PSI Pressure Regulator (Rain Bird® TSJ100PRS)	60.70	19.54
32 84 23 00-0578 EA 1/2" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I	35.90	22.82
Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.		
32 84 23 00-0579 EA 3/4" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I	47.92	30.44
Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.		
32 84 23 00-0580 EA 1" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I	59.65	37.32
Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.		
32 84 23 00-0581 EA 1/2" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II	51.44	23.17
Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.		
32 84 23 00-0582 EA 3/4" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II	67.97	30.74
Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.		
32 84 23 00-0583 EA 1" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II	83.19	37.70
Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.		
32 84 23 00-0584 EA 1/2" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III	29.03	14.19
Note: Consists of two street 90 degree elbows.		
32 84 23 00-0585 EA 3/4" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III	38.77	18.92
Note: Consists of two street 90 degree elbows.		
32 84 23 00-0586 EA 1" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III	45.58	23.45
Note: Consists of two street 90 degree elbows.		
32 84 23 00-0587 Irrigation Control Wire (32 84 23) Note: Excludes excavation and backfill.		
32 84 23 00-0588 18 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0587)		
32 84 23 00-0589 CLF 1-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	37.70	13.19
32 84 23 00-0590 CLF 2-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	48.38	15.39
32 84 23 00-0591 CLF 3-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	55.60	17.59
32 84 23 00-0592 CLF 4-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	63.45	19.79
32 84 23 00-0593 CLF 5-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	71.93	21.99
32 84 23 00-0594 CLF 6-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	84.82	24.19
32 84 23 00-0595 CLF 7-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	97.21	26.39
32 84 23 00-0596 CLF 8-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	105.58	28.59
32 84 23 00-0597 CLF 9-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	115.60	30.79
32 84 23 00-0598 CLF 10-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	126.92	32.98
32 84 23 00-0599 CLF 11-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	131.92	35.19
32 84 23 00-0600 CLF 12-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	137.58	37.38
32 84 23 00-0601 CLF 13-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	145.25	39.58
32 84 23 00-0602 16 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0587)		
32 84 23 00-0603 CLF 1-Conductor, 16 AWG, Irrigation Control Wire, Buried In Trench	39.37	13.19

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0604 14 AWG, Irrigation Control Wire, Buried In Trench <small>(32 84 23 00-0587)</small>		
32 84 23 00-0605 CLF 1-Conductor, 14 AWG, Irrigation Control Wire, Buried In Trench	39.37	13.19
32 84 23 00-0606 12 AWG, Irrigation Control Wire, Buried In Trench <small>(32 84 23 00-0587)</small>		
32 84 23 00-0607 CLF 1-Conductor, 12 AWG, Irrigation Control Wire, Buried In Trench	50.42	13.19
32 84 23 00-0608 10 AWG, Irrigation Control Wire, Buried In Trench <small>(32 84 23 00-0587)</small>		
32 84 23 00-0609 CLF 1-Conductor, 10 AWG, Irrigation Control Wire, Buried In Trench	64.41	13.19
32 84 23 00-0610 Root Watering Systems <small>(32 84 23)</small>		
Note: Includes swing assembly.		
32 84 23 00-0611 EA 0.25 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1401).....	65.74	17.59
For Root Watering Sand Sock, Add	0.79	
32 84 23 00-0612 EA 0.25 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1401).....	69.98	17.59
For Root Watering Sand Sock, Add	0.79	
32 84 23 00-0613 EA 0.5 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1402).....	65.74	17.59
For Root Watering Sand Sock, Add	0.79	
32 84 23 00-0614 EA 0.5 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1402).....	69.98	17.59
For Root Watering Sand Sock, Add	0.79	
32 84 23 00-0615 EA 1 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1404).....	69.98	17.59
For Root Watering Sand Sock, Add	0.79	
32 84 23 00-0616 EA 0.25 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1401).....	57.14	15.39
For Root Watering Sand Sock, Add	0.79	
32 84 23 00-0617 EA 0.25 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1401)	61.21	15.39
For Root Watering Sand Sock, Add	0.79	
32 84 23 00-0618 EA 0.5 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1402).....	57.14	15.39
For Root Watering Sand Sock, Add	0.79	
32 84 23 00-0619 EA 0.5 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1402)	61.21	15.39
For Root Watering Sand Sock, Add	0.79	
32 84 23 00-0620 EA 0.25 GPM Bubbler On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-1401)	40.41	13.19
For Root Watering Sand Sock, Add	0.79	
32 84 23 00-0621 EA 0.25 GPM Bubbler And Check Valve On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-C-1401)	44.28	13.19
For Root Watering Sand Sock, Add	0.79	
32 90 Planting <small>(32)</small>		
Note: Plant installation includes the initial watering only. The extended watering period for the establishment of lawns, plants and trees is addressed on a per plant per amount per occurrence basis as directed in the specification. cvs = cultivar. See CSI section 32 01 90 26-0000 for additional "extended watering period" tasks.		
32 91 Planting Preparation <small>(32 90)</small>		
32 91 13 Soil Preparation <small>(32 91)</small>		
32 91 13 16 Mulching <small>(32 91 13)</small>		
32 91 13 16-0001 Mulch <small>(32 91 13 16)</small>		
Note: Includes loading, delivery up to 15 miles and spreading. 1 CY = 108 SF of mulch spread 3" thick. See CSI section 01 74 19 00-0036 for hauling greater than 15 miles.		
32 91 13 16-0002 CY Pea Gravel Mulch	78.55	
For >5 To 20, Deduct	-6.75	
For >20 To 50, Deduct	-10.13	
For >50, Deduct	-14.05	
For Work On Slopes >2.5:1, Add	11.29	
32 91 13 16-0003 CY Stone/Gravel Mulch, Marble Chips	205.91	
For >5 To 20, Deduct	-13.12	
For >20 To 50, Deduct	-19.68	
For >50, Deduct	-29.97	
For Work On Slopes >2.5:1, Add	11.29	
32 91 13 16-0004 CY Stone Mulch, Decomposed Granite Chips	73.43	
For >5 To 20, Deduct	-6.50	
For >20 To 50, Deduct	-9.74	
For >50, Deduct	-13.41	
For Work On Slopes >2.5:1, Add	11.29	
32 91 13 16-0005 CY Pine Bark Nugget Mulch	93.97	
For >5 To 20, Deduct	-7.52	
For >20 To 50, Deduct	-11.28	
For >50, Deduct	-15.98	
For Work On Slopes >2.5:1, Add	11.29	
32 91 13 16-0006 CY Hardwood Bark Nugget Mulch	92.47	
For >5 To 20, Deduct	-7.45	
For >20 To 50, Deduct	-11.17	
For >50, Deduct	-15.79	
For Work On Slopes >2.5:1, Add	11.29	



		Exterior Improvements	32
		Planting	32 90
		Planting Preparation	32 91

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 16-0007	CY		Pine Wood Chip Mulch	89.47	
			For >5 To 20, Deduct	-7.30	
			For >20 To 50, Deduct	-10.95	
			For >50, Deduct	-15.42	
			For Work On Slopes >2.5:1, Add	11.29	
32 91 13 16-0008	CY		Hardwood Chip Mulch	95.47	
			For >5 To 20, Deduct	-7.60	
			For >20 To 50, Deduct	-11.40	
			For >50, Deduct	-16.17	
			For Work On Slopes >2.5:1, Add	11.29	
32 91 13 16-0009	CY		Shredded Hardwood Mulch	95.47	
			For >5 To 20, Deduct	-7.60	
			For >20 To 50, Deduct	-11.40	
			For >50, Deduct	-16.17	
			For Work On Slopes >2.5:1, Add	11.29	
32 91 13 16-0010	CY		Shredded Pine Mulch	81.97	
			For >5 To 20, Deduct	-6.92	
			For >20 To 50, Deduct	-10.38	
			For >50, Deduct	-14.48	
			For Work On Slopes >2.5:1, Add	11.29	
32 91 13 16-0011	CY		Shredded Cedar Mulch	111.22	
			For >5 To 20, Deduct	-8.38	
			For >20 To 50, Deduct	-12.58	
			For >50, Deduct	-18.14	
			For Work On Slopes >2.5:1, Add	11.29	
32 91 13 16-0012	CY		Shredded Cypress Mulch.....	108.97	
			For >5 To 20, Deduct	-8.27	
			For >20 To 50, Deduct	-12.41	
			For >50, Deduct	-17.86	
			For Work On Slopes >2.5:1, Add	11.29	
32 91 13 16-0013	CY		Shredded Redwood Mulch.....	114.97	
			For >5 To 20, Deduct	-8.57	
			For >20 To 50, Deduct	-12.86	
			For >50, Deduct	-18.61	
			For Work On Slopes >2.5:1, Add	11.29	
32 91 13 16-0014	CY		Chunk Recycled Tire Mulch.....	177.04	
			For >5 To 20, Deduct	-12.45	
			For >20 To 50, Deduct	-18.68	
			For >50, Deduct	-27.53	
			For Work On Slopes >2.5:1, Add	14.41	
32 91 13 16-0015	CY		Chunk Colored Recycled Tire Mulch	280.54	
			For >5 To 20, Deduct	-17.63	
			For >20 To 50, Deduct	-26.44	
			For >50, Deduct	-40.47	
			For Work On Slopes >2.5:1, Add	14.41	
32 91 13 16-0016	CY		Shredded Recycled Tire Mulch.....	282.04	
			For >5 To 20, Deduct	-17.70	
			For >20 To 50, Deduct	-26.56	
			For >50, Deduct	-40.66	
			For Work On Slopes >2.5:1, Add	14.41	
32 91 13 16-0017	CY		Shredded Colored Recycled Tire Mulch	489.04	
			For >5 To 20, Deduct	-28.05	
			For >20 To 50, Deduct	-42.08	
			For >50, Deduct	-66.53	
			For Work On Slopes >2.5:1, Add	14.41	
32 91 13 16-0018	EA		Pine Straw Mulch Bale.....	8.37	
			Note: Covers 50 SF at a thickness of 2" to 4" forming a uniform mat through which none of the original ground surface can be seen.		
			For >100 To 250, Deduct	-0.58	
			For >250 To 500, Deduct	-0.73	
			For >500, Deduct	-0.99	
			For Work On Slopes >2.5:1, Add	0.63	
32 91 13 16-0019	EA		Wheat Straw Mulch Bale.....	8.51	
			Note: Covers 350 SF forming a uniform mat through which 20 to 40% of the original ground surface can be seen.		
			For >100 To 250, Deduct	-0.54	
			For >250 To 500, Deduct	-0.66	
			For >500, Deduct	-0.97	
			For Work On Slopes >2.5:1, Add	0.47	
32 91 13 16-0020			Compost Soil Amendment (AgriService) <small>(32 91 13 16)</small> Note: Includes loading, delivery up to 15 miles and spreading. See CSI section 01 74 19 00-0036 for hauling greater than 15 miles.		
32 91 13 16-0021	CY		Humic Compost (OIM)	67.73	
			Note: (Agri Service or Equal)		
			For Work On Slopes >2.5:1, Add	11.29	
			For >100 To 1,000, Deduct	-11.86	
			For >1,000, Deduct	-18.07	
32 91 13 26			Planting Beds <small>(32 91 13)</small> Note: Not for use when installing trees and shrubs.		
32 91 13 26-0001			Plant Bed Preparation <small>(32 91 13 26)</small> Note: Not for use when installing trees and shrubs.		

32 Exterior Improvements**32 90 Planting****32 91 Planting Preparation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 26-0002 SF Prepare And Mix Plant Bed, Up To 8" Deep By Machine.....	0.88	
Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
For Work On Slopes >2.5:1, Add	0.18	
32 91 13 26-0003 SF Prepare And Mix Plant Bed, 9" To 13" Deep By Machine.....	1.02	
Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
For Work On Slopes >2.5:1, Add	0.20	
32 91 13 26-0004 SF Prepare And Mix Plant Bed, 14" To 18" Deep By Machine.....	1.20	
Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
For Work On Slopes >2.5:1, Add	0.24	
32 91 13 26-0005 SF Prepare And Mix Plant Bed By Hand, Up To 8" Deep.....	4.05	
Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
For Work On Slopes >2.5:1, Add	0.81	
32 91 13 26-0006 SF Prepare And Mix Plant Bed By Hand, 9" To 13" Deep.....	4.66	
Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
For Work On Slopes >2.5:1, Add	0.93	
32 91 13 26-0007 SF Prepare And Mix Plant Bed By Hand, 14" To 18" Deep.....	5.48	
Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
For Work On Slopes >2.5:1, Add	1.10	
32 91 13 26-0008 Plant Bed Preparation With Humic Compost <small>(32 91 13 26)</small>		
32 91 13 26-0009 SF Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 3 CY Per 1,000 SF).....	0.97	
Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface.		
For Work On Slopes >2.5:1, Add	0.19	
For >1,000 To 5,000, Deduct	-0.14	
For >5,000 To 10,000, Deduct	-0.24	
For >10,000 To 20,000, Deduct	-0.47	
For >20,000, Deduct	-0.66	
32 91 13 26-0010 SF Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 6 CY Per 1,000 SF).....	1.20	
Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface.		
For Work On Slopes >2.5:1, Add	0.23	
For >1,000 To 5,000, Deduct	-0.17	
For >5,000 To 10,000, Deduct	-0.28	
For >10,000 To 20,000, Deduct	-0.57	
For >20,000, Deduct	-0.80	
32 91 13 26-0011 SF Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 9 CY Per 1,000 SF).....	1.42	
Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface.		
For Work On Slopes >2.5:1, Add	0.26	
For >1,000 To 5,000, Deduct	-0.20	
For >5,000 To 10,000, Deduct	-0.33	
For >10,000 To 20,000, Deduct	-0.67	
For >20,000, Deduct	-0.93	
32 91 13 26-0012 Planting Pit Preparation <small>(32 91 13 26)</small>		
Note: Not for use when installing trees and shrubs.		
32 91 13 26-0013 CY Excavate Planting Pit By Hand, Sandy Soil	70.13	
Note: For use with existing planting pits.		
For Work On Slopes >2.5:1, Add	14.03	
32 91 13 26-0014 CY Excavate Planting Pit By Hand, Heavy Soil	140.26	
Note: For use with existing planting pits.		
For Work On Slopes >2.5:1, Add	28.05	
32 91 13 26-0015 CY Excavate Planting Pit By Machine, Sandy Soil	10.86	
Note: For use with existing planting pits.		
For Work On Slopes >2.5:1, Add	2.17	
32 91 13 26-0016 CY Excavate Planting Pit By Machine, Heavy Soil	14.12	
Note: For use with existing planting pits.		
For Work On Slopes >2.5:1, Add	2.82	
32 91 13 26-0017 CY Backfill Planting Pit By Hand With Topsoil From Stockpile	62.32	
For Work On Slopes >2.5:1, Add	12.46	
32 91 13 26-0018 CY Backfill Planting Pit By Hand With Contractor Furnished Planting Mix.....	116.89	
For Work On Slopes >2.5:1, Add	11.31	
32 91 13 26-0019 CY Backfill Planting Pit By Machine, With Topsoil From Stockpile	6.01	
For Work On Slopes >2.5:1, Add	1.20	
32 91 13 26-0020 CY Backfill Planting Pit By Machine, With Contractor Furnished Planting Mix.....	75.11	
For Work On Slopes >2.5:1, Add	2.96	
32 91 13 26-0021 Weed Barrier <small>(32 91 13 26)</small>		
32 91 13 26-0022 SY Up To 3 Oz/SY Non Woven, Polypropylene Weed Barrier	1.48	
For Work On Slopes >2.5:1, Add	0.11	
32 91 13 26-0023 SY 4 Oz/SY Woven, Polypropylene Weed Barrier.....	1.95	
For Work On Slopes >2.5:1, Add	0.11	
32 91 13 26-0024 SY 5 Oz/SY Woven, Needle Punched Polypropylene Weed Barrier	2.16	
For Work On Slopes >2.5:1, Add	0.11	



Exterior Improvements		32
Planting		32 90
Planting Preparation		32 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 91 13 33 Soil Conditioners (32 91 13)**32 91 13 33-0001 Spread Soil Conditioners (32 91 13 33)**

32 91 13 33-0002	SY Aluminum Sulfate 1 LB/SY, Push Spreader.....	0.18
32 91 13 33-0003	MSF Aluminum Sulfate 110 LB/MSF Tractor Spreader.....	15.37
32 91 13 33-0004	MSF Fertilizer, 20 LB/MSF, Push Spreader	5.11
32 91 13 33-0005	MSF Fertilizer, 20 LB/MSF, Tractor Spread	1.71
32 91 13 33-0006	MSF Fertilizer, 20 LB/MSF, Truck Spread.....	3.69
32 91 13 33-0007	SY Pelletized Lime, 1 LB/SY, Push Spreader	0.06
32 91 13 33-0008	MSF Pelitized Lime, 110 LB/MSF, Tractor Spreader.....	3.41
32 91 13 33-0009	SY Perlite, 1" Deep, Push Spreader	1.36
32 91 13 33-0010	MSF Perlite, 1" Deep, Tractor Spreader.....	140.08
32 91 13 33-0011	SY Vermiculite, Push Spreader	1.27
32 91 13 33-0012	MSF Vermiculite, Tractor Spreader.....	136.85
32 91 13 33-0013	SY Humate Granular Soil Conditioner, 0.10 LB/SY, Push Spreader	0.13
32 91 13 33-0014	MSF Humate Granular Soil Conditioner, 10 LB/MSF, Tractor Spreader	11.56

32 91 13 36 Lawn Bed Preparation (32 91 13)**32 91 13 36-0001 Lawn Bed Preparation (32 91 13 36)**

32 91 13 36-0002	MSF Rake Topsoil With Machine	68.09
32 91 13 36-0003	MSF Rake Topsoil By Hand	56.10
32 91 13 36-0004	MSF Screen Loam By Hand.....	37.40
32 91 13 36-0005	SY Roll Topsoil With Machine	0.87
32 91 13 36-0006	SY Roll Topsoil By Hand	2.51
32 91 13 36-0007	MSF Removal Of Rocks And Debris With Machine.....	8.05
32 91 13 36-0008	MSF Removal Of Rocks And Debris By Hand	25.34
32 91 13 36-0009	MSF Root Raking And Loading, No Boulders	42.14
	<i>For >45 to 225, Deduct</i>	<i>-29.50</i>
	<i>For >225, Deduct</i>	<i>-37.93</i>
32 91 13 36-0010	MSF Root Raking And Loading, With Boulders.....	70.23
	<i>For >45 to 225, Deduct</i>	<i>-49.16</i>
	<i>For >225, Deduct</i>	<i>-63.21</i>
32 91 13 36-0011	MSF Up To 6" Deep Tilling Topsoil With Tractor	3.76
32 91 13 36-0012	MSF >6" To 12" Deep Tilling Topsoil With Tractor	7.62
	<i>For Work On Slopes >2.5:1, Add</i>	<i>1.52</i>
32 91 13 36-0013	SY Up To 2" Deep Tilling Topsoil With Rototiller	0.59
32 91 13 36-0014	SY >2" To 4" Deep Tilling Topsoil With Rototiller	0.72
32 91 13 36-0015	SY >4" To 6" Deep Tilling Topsoil With Rototiller	0.89
32 91 13 36-0016	LF "V" Cut Soil For Edge Of Planting Beds.....	0.99

32 91 13 36-0017 Sod Removal (32 91 13 36)

32 91 13 36-0018	SY Removal Of Sod By Hand.....	4.73
	<i>For Work On Slopes >2.5:1, Add</i>	<i>0.95</i>
32 91 13 36-0019	SY Removal Of Sod With Machine.....	0.50
	<i>For Work On Slopes >2.5:1, Add</i>	<i>0.10</i>
32 91 13 36-0020	SY Pile Sod By Hand.....	2.81
	<i>For Work On Slopes >2.5:1, Add</i>	<i>0.56</i>
32 91 13 36-0021	SY Pile Sod With Machine.....	0.95
	<i>For Work On Slopes >2.5:1, Add</i>	<i>0.19</i>

32 91 19 Landscape Grading (32 91)**32 91 19 13 Topsoil Placement And Grading (32 91 19)****32 91 19 13-0001 Remove And Stockpile Topsoil On Site (32 91 19 13)**

32 91 19 13-0002	CY Removal Of Topsoil, 4" Deep Stockpile On Site	3.91
32 91 19 13-0003	CY Removal Of Topsoil, 6" Deep Stockpile On Site	3.87

32 91 19 13-0004 Screening Topsoil (32 91 19 13)

32 91 19 13-0005	CY Screen Topsoil With Vibrating Screen, Wet Material (Organic)	8.49
32 91 19 13-0006	CY Screen Topsoil With Vibrating Screen, Dry Material	5.66

32 91 19 13-0007 Spreading Topsoil From Stockpile (32 91 19 13)

32 91 19 13-0008	CY Spread Topsoil By Machine From Stockpile	6.45
32 91 19 13-0009	CY Spread Topsoil By Hand From Stockpile	53.53

32 91 19 13-0010 Furnish And Place Imported Screened Topsoil (32 91 19 13)

Note: Includes delivery up to 15 miles from the closest approved source and spread by machine. Excludes hand spreading. See CSI section 01 74 19 00-0036 for hauling greater than 15 miles, 31 23 16 36-0030 for hand spreading.		
32 91 19 13-0011	SY Furnish And Place Imported Screened Topsoil, 2" Deep.....	4.01
	<i>For Unscreened, Deduct</i>	<i>-0.63</i>

32 Exterior Improvements

32 90 Planting

32 91 Planting Preparation



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91	19 13-0012	SY	Furnish And Place Imported Screened Topsoil, 4" Deep <i>For Unscreened, Deduct</i>	7.76 -1.27	
32 91	19 13-0013	SY	Furnish And Place Imported Screened Topsoil, 6" Deep <i>For Unscreened, Deduct</i>	11.32 -1.90	
32 91	19 13-0014	SY	Furnish And Place Imported Screened Topsoil, 9" Deep <i>For Unscreened, Deduct</i>	16.51 -2.84	
32 91	19 13-0015	SY	Furnish And Place Imported Screened Topsoil, 12" Deep <i>For Unscreened, Deduct</i>	21.70 -3.79	
32 91	19 13-0016	CY	Furnish And Place Imported Screened Topsoil, Over 12" Deep <i>For Unscreened, Deduct</i>	61.12 -11.38	

32 91 19 16 Scarify Soil (32 91 19)

32 91 19 16-0001 Scarify Soil For Planting Preparation (32 91 19 16)

Note: Ripped in multiple directions with 3" maximum clods.

32 91	19 16-0002	MSF	Up To 5,000 SF Scarify Up To 8" Soil With Machine	50.79	
32 91	19 16-0003	MSF	>5,000 To 20,000 SF Scarify Up To 8" Soil With Machine	35.55	
32 91	19 16-0004	MSF	>20,000 SF Scarify Up To 8" Soil With Machine	20.84	

32 92 Turf And Grasses (32 92)

32 92 16 Plugging (32 92)

32 92 16 00-0001 Bermuda Or Centipede Plugging, 1" Deep (32 92 16)

Note: Includes fine grade and soil preparation.

32 92 16 00-0002 6" On Center Plugging (32 92 16 00-0001)

32 92	16 00-0003	MSF	Plugging By Hand, 6" On Center	189.51	
32 92	16 00-0004	MSF	Plugging By Walk Behind Planter, 6" On Center	33.33	
32 92	16 00-0005	MSF	Plugging By Towed Planter, 6" On Center	26.98	

32 92 16 00-0006 9" On Center Plugging (32 92 16 00-0001)

32 92	16 00-0007	MSF	Plugging By Hand, 9" On Center	145.15	
32 92	16 00-0008	MSF	Plugging By Walk Behind Planter, 9" On Center	25.74	
32 92	16 00-0009	MSF	Plugging By Towed Planter, 9" On Center	20.13	

32 92 16 00-0010 12" On Center Plugging (32 92 16 00-0001)

32 92	16 00-0011	MSF	Plugging By Hand, 12" On Center	120.78	
32 92	16 00-0012	MSF	Plugging By Walk Behind Planter, 12" On Center	17.04	
32 92	16 00-0013	MSF	Plugging By Towed Planter, 12" On Center	12.73	

32 92 19 Seeding (32 92)

32 92 19 13 Mechanical Seeding (32 92 19)

Note: Includes fertilizing, liming, mixing, seeding and initial watering.

32 92 19 13-0001 Tractor Spreader Mechanical Seeding (32 92 19 13)

Note: Excludes straw.

32 92	19 13-0002	MSF	Common Bluegrass, Tractor Spreader Note: 4 LB/MSF spread rate.	45.41	
32 92	19 13-0003	MSF	Tall Fescue, Tractor Spreader Note: 5.5 LB/MSF spread rate.	33.82	
32 92	19 13-0004	MSF	Rye, Tractor Spreader Note: 10 LB/MSF spread rate.	34.64	
32 92	19 13-0005	MSF	Shade Mix, Tractor Spreader Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	38.81	
32 92	19 13-0006	MSF	Turf Mix, Tractor Spreader Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	41.81	
32 92	19 13-0007	MSF	Slope Mix, Tractor Spreader Note: 6 LB/MSF spread rate.	37.81	
32 92	19 13-0008	MSF	Utility Mix, Tractor Spreader Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	32.83	
32 92	19 13-0009	MSF	Wild Flower Mix, Tractor Spreader Note: 0.10 LB/MSF spread rate.	23.43	
32 92	19 13-0010	MSF	Crown Vetch Mix, Tractor Spreader Note: 4 LB/MSF spread rate.	97.76	
32 92	19 13-0011	MSF	Athletic Mix, Tractor Spreader Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	53.80	
32 92	19 13-0012	MSF	White Clover Mix, Tractor Spreader Note: 7 LB/MSF spread rate.	23.33	
32 92	19 13-0013	MSF	Ladino Clover Mix, Tractor Spreader Note: 7 LB/MSF spread rate.	27.32	

32 92 19 13-0014 Hydro Or Air Mechanical Seeding (32 92 19 13)



		Exterior Improvements	32
		Planting	32 90
		Turf And Grasses	32 92

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0015 MSF Common Bluegrass, Hydro Or Air Seeding	89.11	
Note: 4 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	83.11	
For >1 To 4, Add	52.34	
For >4 To 7.5, Add	34.80	
For >7.5 To 10, Add	17.40	
For >45, Deduct	-6.61	
For Tackifier, Add	0.79	
32 92 19 13-0016 MSF Tall Fescue, Hydro Or Air Seeding	96.11	
Note: 5.5 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	85.91	
For >1 To 4, Add	53.74	
For >4 To 7.5, Add	35.50	
For >7.5 To 10, Add	17.75	
For >45, Deduct	-6.96	
For Tackifier, Add	0.79	
32 92 19 13-0017 MSF Rye, Hydro Or Air Spread	89.41	
Note: 10 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	83.23	
For >1 To 4, Add	52.40	
For >4 To 7.5, Add	34.83	
For >7.5 To 10, Add	17.42	
For >45, Deduct	-6.63	
For Tackifier, Add	0.79	
32 92 19 13-0018 MSF Shade Mix, Hydro Or Air Seeding	89.11	
Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.		
For Spot Areas Up To 1, Add	83.11	
For >1 To 4, Add	52.34	
For >4 To 7.5, Add	34.80	
For >7.5 To 10, Add	17.40	
For >45, Deduct	-6.61	
For Tackifier, Add	0.79	
32 92 19 13-0019 MSF Turf Mix, Hydro Or Air Seeding	96.11	
Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.		
For Spot Areas Up To 1, Add	85.91	
For >1 To 4, Add	53.74	
For >4 To 7.5, Add	35.50	
For >7.5 To 10, Add	17.75	
For >45, Deduct	-6.96	
For Tackifier, Add	0.79	
32 92 19 13-0020 MSF Slope Mix, Hydro Or Air Seeding	93.11	
Note: 6 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	84.71	
For >1 To 4, Add	53.14	
For >4 To 7.5, Add	35.20	
For >7.5 To 10, Add	17.60	
For >45, Deduct	-6.81	
For Tackifier, Add	0.79	
32 92 19 13-0021 MSF Utility Mix, Hydro Or Air Seeding	90.69	
Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.		
For Spot Areas Up To 1, Add	83.74	
For >1 To 4, Add	52.66	
For >4 To 7.5, Add	34.96	
For >7.5 To 10, Add	17.48	
For >45, Deduct	-6.69	
For Tackifier, Add	0.79	
32 92 19 13-0022 MSF Wild Flower Mix, Hydro Or Air Seeding	82.91	
Note: 0.10 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	80.63	
For >1 To 4, Add	51.10	
For >4 To 7.5, Add	34.18	
For >7.5 To 10, Add	17.09	
For >45, Deduct	-6.30	
For Tackifier, Add	0.79	
32 92 19 13-0023 MSF Crown Vetch Mix, Hydro Or Air Seeding	153.06	
Note: 4 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	108.69	
For >1 To 4, Add	65.13	
For >4 To 7.5, Add	41.20	
For >7.5 To 10, Add	20.60	
For >45, Deduct	-9.81	
For Tackifier, Add	0.79	
32 92 19 13-0024 MSF Athletic Mix, Hydro Or Air Seeding	131.10	
Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.		
For Spot Areas Up To 1, Add	99.91	
For >1 To 4, Add	60.74	
For >4 To 7.5, Add	39.00	
For >7.5 To 10, Add	19.50	
For >45, Deduct	-8.71	
For Tackifier, Add	0.79	

32 Exterior Improvements

32 90 Planting

32 92 Turf And Grasses



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0025	MSF		White Clover Mix, Hydro Or Air Seeding.....	73.42	
			Note: 7 LB/MSF spread rate.		
			<i>For Spot Areas Up To 1, Add</i>	76.83	
			<i>For >1 To 4, Add</i>	49.20	
			<i>For >4 To 7.5, Add</i>	33.23	
			<i>For >7.5 To 10, Add</i>	16.62	
			<i>For >45, Deduct</i>	-5.83	
			<i>For Tackifier, Add</i>	0.79	
32 92 19 13-0026	MSF		Ladino Clover Mix, Hydro Or Air Seeding	85.11	
			Note: 7 LB/MSF spread rate.		
			<i>For Spot Areas Up To 1, Add</i>	81.51	
			<i>For >1 To 4, Add</i>	51.54	
			<i>For >4 To 7.5, Add</i>	34.40	
			<i>For >7.5 To 10, Add</i>	17.20	
			<i>For >45, Deduct</i>	-6.41	
			<i>For Tackifier, Add</i>	0.79	
32 92 19 13-0027	MSF		60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Hydro Or Air Spread.....	91.11	
			Note: 4 LB/MSF spread rate.		
			<i>For Spot Areas Up To 1, Add</i>	83.91	
			<i>For >1 To 4, Add</i>	52.74	
			<i>For >4 To 7.5, Add</i>	35.00	
			<i>For >7.5 To 10, Add</i>	17.50	
			<i>For >45, Deduct</i>	-6.71	
			<i>For Tackifier, Add</i>	0.79	
32 92 19 13-0028	MSF		2,500 LB/Acre, High Performance - Flexible Growth Medium.....	76.65	
			Note: Applied with seed. Excludes seed.		
			<i>For >45, Deduct</i>	-4.91	
32 92 19 13-0029	MSF		3,000 LB/Acre, High Performance - Flexible Growth Medium.....	88.74	
			Note: Applied with seed. Excludes seed.		
			<i>For >45, Deduct</i>	-5.57	
32 92 19 13-0030	MSF		3,500 LB/Acre, High Performance - Flexible Growth Medium.....	100.90	
			Note: Applied with seed. Excludes seed.		
			<i>For >45, Deduct</i>	-6.24	
32 92 19 13-0031	MSF		4,000 LB/Acre, High Performance - Flexible Growth Medium.....	113.08	
			Note: Applied with seed. Excludes seed.		
			<i>For >45, Deduct</i>	-6.90	
32 92 19 13-0032	MSF		4,500 LB/Acre, High Performance - Flexible Growth Medium.....	125.35	
			Note: Applied with seed. Excludes seed.		
			<i>For >45, Deduct</i>	-7.58	
32 92 19 19			Seeding By Hand <small>(32 92 19)</small>		
			Note: Includes fertilizing, liming, mixing, seeding and initial watering.		
32 92 19 19-0001			Push Spreader Or Hand Seeding <small>(32 92 19 19)</small>		
			Note: Excludes straw.		
32 92 19 19-0002	MSF		Common Bluegrass, Push Spreader Or Hand	97.70	
			Note: 4 LB/MSF spread rate.		
			<i>For >5 To 20, Deduct</i>	-6.64	
			<i>For >20 To 45, Deduct</i>	-12.59	
			<i>For >45, Deduct</i>	-20.29	
32 92 19 19-0003	MSF		Tall Fescue, Push Spreader Or Hand	86.11	
			Note: 5.5 LB/MSF spread rate.		
			<i>For >5 To 20, Deduct</i>	-6.06	
			<i>For >20 To 45, Deduct</i>	-11.72	
			<i>For >45, Deduct</i>	-19.13	
32 92 19 19-0004	MSF		Rye, Push Spreader Or Hand.....	86.93	
			Note: 10 LB/MSF spread rate.		
			<i>For >5 To 20, Deduct</i>	-6.10	
			<i>For >20 To 45, Deduct</i>	-11.78	
			<i>For >45, Deduct</i>	-19.21	
32 92 19 19-0005	MSF		Shade Mix, Push Spreader Or Hand.....	91.10	
			Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.		
			<i>For >5 To 20, Deduct</i>	-6.31	
			<i>For >20 To 45, Deduct</i>	-12.09	
			<i>For >45, Deduct</i>	-19.63	
32 92 19 19-0006	MSF		Turf Mix, Push Spreader Or Hand.....	94.10	
			Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.		
			<i>For >5 To 20, Deduct</i>	-6.46	
			<i>For >20 To 45, Deduct</i>	-12.32	
			<i>For >45, Deduct</i>	-19.93	
32 92 19 19-0007	MSF		Slope Mix, Push Spreader Or Hand.....	90.10	
			Note: 6 LB/MSF spread rate.		
			<i>For >5 To 20, Deduct</i>	-6.26	
			<i>For >20 To 45, Deduct</i>	-12.02	
			<i>For >45, Deduct</i>	-19.53	
32 92 19 19-0008	MSF		Utility Mix, Push Spreader Or Hand	85.12	
			Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.		
			<i>For >5 To 20, Deduct</i>	-6.01	
			<i>For >20 To 45, Deduct</i>	-11.64	
			<i>For >45, Deduct</i>	-19.03	
32 92 19 19-0009	MSF		Wild Flower Mix, Push Spreader Or Hand	75.72	
			Note: 0.10 LB/MSF spread rate.		
			<i>For >5 To 20, Deduct</i>	-5.54	
			<i>For >20 To 45, Deduct</i>	-10.94	
			<i>For >45, Deduct</i>	-18.09	



		Exterior Improvements	32
		Planting	32 90
		Turf And Grasses	32 92

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 19-0010	MSF		Crown Vetch Mix, Push Spreader Or Hand Note: 4 LB/MSF spread rate.	150.05	
			<i>For >5 To 20, Deduct</i>	-9.26	
			<i>For >20 To 45, Deduct</i>	-16.51	
			<i>For >45, Deduct</i>	-25.52	
32 92 19 19-0011	MSF		Athletic Mix, Push Spreader Or Hand Note: 8 LB/MSF spread rate. Mixture of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	106.09	
			<i>For >5 To 20, Deduct</i>	-7.06	
			<i>For >20 To 45, Deduct</i>	-13.22	
			<i>For >45, Deduct</i>	-21.13	
32 92 19 19-0012	MSF		White Clover Mix, Push Spreader Or Hand Note: 7 LB/MSF spread rate.	75.62	
			<i>For >5 To 20, Deduct</i>	-5.53	
			<i>For >20 To 45, Deduct</i>	-10.93	
			<i>For >45, Deduct</i>	-18.08	
32 92 19 19-0013	MSF		Ladino Clover Mix, Push Spreader Or Hand Note: 7 LB/MSF spread rate.	79.61	
			<i>For >5 To 20, Deduct</i>	-5.73	
			<i>For >20 To 45, Deduct</i>	-11.23	
			<i>For >45, Deduct</i>	-18.48	
32 92 19 19-0014	MSF		100% Kentucky Bluegrass, Push Spreader Or Hand Note: 3.3 LB/MSF spread rate.	99.60	
			<i>For >5 To 20, Deduct</i>	-6.73	
			<i>For >20 To 45, Deduct</i>	-12.73	
			<i>For >45, Deduct</i>	-20.48	
32 92 19 19-0015	MSF		70% Kentucky Bluegrass And 30% Fescue, Push Spreader Or Hand Note: 3.3 LB/MSF spread rate.	94.10	
			<i>For >5 To 20, Deduct</i>	-6.46	
			<i>For >20 To 45, Deduct</i>	-12.32	
			<i>For >45, Deduct</i>	-19.93	
32 92 19 19-0016	MSF		50% Kentucky Bluegrass And 50% Fescue, Push Spreader Or Hand Note: 3.3 LB/MSF spread rate.	90.10	
			<i>For >5 To 20, Deduct</i>	-6.26	
			<i>For >20 To 45, Deduct</i>	-12.02	
			<i>For >45, Deduct</i>	-19.53	
32 92 19 19-0017	MSF		50% Kentucky Bluegrass And 50% Perennial Rye, Push Spreader Or Hand Note: 4.4 LB/MSF spread rate.	98.10	
			<i>For >5 To 20, Deduct</i>	-6.66	
			<i>For >20 To 45, Deduct</i>	-12.62	
			<i>For >45, Deduct</i>	-20.33	
32 92 19 19-0018	MSF		60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Push Spreader Or Hand Note: 3.3 LB/MSF spread rate.	92.10	
			<i>For >5 To 20, Deduct</i>	-6.36	
			<i>For >20 To 45, Deduct</i>	-12.17	
			<i>For >45, Deduct</i>	-19.73	
32 92 19 19-0019	MSF		40% Creeping Red Fescue, 30% Kentucky Bluegrass, 10% Red Top, And 20% Blue Tag Perennial Rye, Push Spreader Or Hand Note: 3.3 LB/MSF spread rate.	94.10	
			<i>For >5 To 20, Deduct</i>	-6.46	
			<i>For >20 To 45, Deduct</i>	-12.32	
			<i>For >45, Deduct</i>	-19.93	

32 92 23 Sodding (32 92)

Note: Includes raking preparation, water thoroughly and allow surface to dry before planting, rolling of sod, sanding seams for (up to 16" wide by 24" long) squares or (up to 24" wide by 54" long) rolls and initial watering within 2 hours after planting.

32 92 23 00-0001 Tall Fescue Sod (32 92 23)

32 92 23 00-0002	MSF	Up To 1,000 SF, Tall Fescue Sod, Installed On Level Ground	2,321.34
		<i>For Hybrid Fescue "Marathon", Add</i>	177.33
32 92 23 00-0003	MSF	>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Level Ground.....	1,845.46
		<i>For Hybrid Fescue "Marathon", Add</i>	133.17
32 92 23 00-0004	MSF	>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Level Ground.....	1,551.26
		<i>For Hybrid Fescue "Marathon", Add</i>	111.09
32 92 23 00-0005	MSF	>8,000 SF, Tall Fescue Sod, Installed On Level Ground.....	1,301.09
		<i>For Hybrid Fescue "Marathon", Add</i>	89.01
32 92 23 00-0006	MSF	Up To 1,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	2,595.35
		<i>For Hybrid Fescue "Marathon", Add</i>	177.33
32 92 23 00-0007	MSF	>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes.....	2,078.99
		<i>For Hybrid Fescue "Marathon", Add</i>	133.17
32 92 23 00-0008	MSF	>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,712.37
		<i>For Hybrid Fescue "Marathon", Add</i>	111.09
32 92 23 00-0009	MSF	>8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,438.09
		<i>For Hybrid Fescue "Marathon", Add</i>	89.01

32 92 23 00-0010 Kentucky Blue Grass Sod (32 92 23)

32 92 23 00-0011	MSF	Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,919.80
32 92 23 00-0012	MSF	>1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground.....	1,544.31
32 92 23 00-0013	MSF	>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground.....	1,300.30
32 92 23 00-0014	MSF	>8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground.....	1,100.32
32 92 23 00-0015	MSF	Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	2,193.81
32 92 23 00-0016	MSF	>1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	1,777.84
32 92 23 00-0017	MSF	>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,461.41

32 Exterior Improvements**32 90 Planting****32 92 Turf And Grasses**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 92 23 00-0018 MSF >8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes.....1,237.32

32 93 Plants (32 90)**32 93 13 Ground Covers (32 93)**

Note: Materials only. See CSI section 32 93 53 00-0057 for installation and planting of ground cover.

32 93 13 00-0001 Ornamental Grasses (32 93 13)

32 93 13 00-0002	EA	1 Gallon, Cortaderia selloana - Pampas Grass.....	17.29
32 93 13 00-0003	EA	2 Gallon, Cortaderia selloana - Pampas Grass.....	31.96
32 93 13 00-0004	EA	3 Gallon, Cortaderia selloana - Pampas Grass.....	58.08
32 93 13 00-0005	EA	5 Gallon, Cortaderia selloana - Pampas Grass.....	105.71
32 93 13 00-0006	EA	1 Quart, Imperata cylindrica - Japanese Blood Grass.....	13.23
32 93 13 00-0007	EA	1 Gallon, Imperata cylindrica - Japanese Blood Grass.....	17.60
32 93 13 00-0008	EA	2 Gallon, Imperata cylindrica - Japanese Blood Grass.....	18.83
32 93 13 00-0009	EA	1 Quart, Koeleria glauca - Blue Hair Grass.....	13.20
32 93 13 00-0010	EA	1 Gallon, Koeleria glauca - Blue Hair Grass.....	17.60
32 93 13 00-0011	EA	3 Gallon, Koeleria glauca - Blue Hair Grass.....	42.57
32 93 13 00-0012	EA	1 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass.....	16.71
32 93 13 00-0013	EA	3 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass.....	21.65
32 93 13 00-0014	EA	5 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass.....	41.39
32 93 13 00-0015	EA	1 Gallon, Miscanthus sinensis 'Zebelinus' - Zebra Grass.....	15.51
32 93 13 00-0016	EA	3 Gallon, Miscanthus sinensis 'Zebelinus' - Zebra Grass.....	24.38
32 93 13 00-0017	EA	5 Gallon, Miscanthus sinensis 'Zebelinus' - Zebra Grass.....	41.72
32 93 13 00-0018	EA	1 Quart, Pennisetum setaceum - Fountain Grass.....	14.43
32 93 13 00-0019	EA	1 Gallon, Pennisetum setaceum - Fountain Grass.....	36.72
32 93 13 00-0020	EA	3 Gallon, Pennisetum setaceum - Fountain Grass.....	48.41
32 93 13 00-0021	EA	1 Gallon, Saccharum ravennae - Ravenna Grass.....	45.70
32 93 13 00-0022	EA	3 Gallon, Saccharum ravennae - Ravenna Grass.....	51.34
32 93 13 00-0023	EA	7 Gallon, Saccharum ravennae - Ravenna Grass.....	84.69
32 93 13 00-0024	EA	1 Gallon, Spartina pectinata - Variegated Cord Grass.....	24.81
32 93 13 00-0025	EA	2 Gallon, Spartina pectinata - Variegated Cord Grass.....	37.14
32 93 13 00-0026	EA	1 Quart, Stipa gigantea - Giant Feather Grass.....	18.94
32 93 13 00-0027	EA	1 Gallon, Stipa gigantea - Giant Feather Grass.....	26.40

32 93 13 00-0028 Ground Covers (32 93 13)

32 93 13 00-0029	EA	1 Gallon Agave Attenuata - Century Plant.....	6.81
32 93 13 00-0030	EA	5 Gallon Agave Attenuata - Century Plant.....	18.35
32 93 13 00-0031	EA	15 Gallon Agave Attenuata - Century Plant.....	60.66
32 93 13 00-0032	EA	1 Gallon Ceanothus 'Carmel Creeper' - Wild Lilac.....	5.81
32 93 13 00-0033	EA	5 Gallon Ceanothus 'Carmel Creeper' - Wild Lilac.....	16.16
32 93 13 00-0034	EA	1 Gallon Ceanothus 'Yankee Point' - Wild Lilac.....	5.81
32 93 13 00-0035	EA	5 Gallon Ceanothus 'Yankee Point' - Wild Lilac.....	15.10
32 93 13 00-0036	EA	1 Gallon Dietes Vegata - Fortnight Lily.....	5.09
32 93 13 00-0037	EA	5 Gallon Dietes Vegata - Fortnight Lily.....	12.55
32 93 13 00-0038	EA	1 Gallon Juncus Patens 'Elk Blue' - California Gray Rush.....	9.46
32 93 13 00-0039	EA	5 Gallon Juncus Patens 'Elk Blue' - California Gray Rush.....	24.85
32 93 13 00-0040	EA	4" Pot Miscanthus 'Morning Light' - NCN.....	7.09
32 93 13 00-0041	EA	20 Count Flat Miscanthus 'Morning Light' - NCN.....	104.59
32 93 13 00-0042	EA	1 Gallon Nassella Tenuissima - Mexican Feather Grass.....	9.46
32 93 13 00-0043	EA	1 Gallon Trachelospermum Jasminoides - Star Jasmine.....	5.14
32 93 13 00-0044	EA	5 Gallon Trachelospermum Jasminoides - Star Jasmine.....	12.88
32 93 13 00-0045	EA	1 Gallon Westringia Fruticosa - Coast Rosemary.....	5.09
32 93 13 00-0046	EA	5 Gallon Westringia Fruticosa - Coast Rosemary.....	12.55
32 93 13 00-0047	EA	15 Gallon Westringia Fruticosa - Coast Rosemary.....	51.49
32 93 13 00-0048	EA	1 Quart Carex 'Bowles Golden' - Variegated Japanese Sedge.....	11.25
32 93 13 00-0049	EA	1 Gallon Carex 'Bowles Golden' - Variegated Japanese Sedge.....	14.65
32 93 13 00-0050	EA	2 Gallon Juniperus horizontalis 'Plumosa Compacta' - Andorra Creeping Juniper.....	18.54
32 93 13 00-0051	EA	1 Quart Waldsteinia ternata - Barren Strawberry.....	3.18
32 93 13 00-0052	EA	1 Gallon Waldsteinia ternata - Barren Strawberry.....	7.64
32 93 13 00-0053	EA	1 Gallon Cotoneaster dammeri - Bearberry Cotoneaster.....	10.40
32 93 13 00-0054	EA	2 Gallon Cotoneaster dammeri - Bearberry Cotoneaster.....	19.74
32 93 13 00-0055	EA	5 Gallon Cotoneaster dammeri - Bearberry Cotoneaster.....	34.81
32 93 13 00-0056	EA	1 Gallon Liriope muscari 'Big Blue' - Big Blue Liriope.....	3.56
32 93 13 00-0057	EA	1 Gallon Distictis buccinatoria - Blood Red Trumpet Vine.....	6.58
32 93 13 00-0058	EA	5 Gallon Distictis buccinatoria - Blood Red Trumpet Vine.....	23.14
32 93 13 00-0059	EA	1 Gallon Juniperus horizontalis 'Wiltoni' - Blue Rug Juniper.....	8.64
32 93 13 00-0060	EA	4" Pot Parthenocissus tricuspidata - Boston Ivy.....	4.25
32 93 13 00-0061	EA	1 Gallon Parthenocissus tricuspidata - Boston Ivy.....	9.68
32 93 13 00-0062	EA	5 Gallon Parthenocissus tricuspidata - Boston Ivy.....	26.49
32 93 13 00-0063	EA	3 Gallon Bougainvillea spectabilis - Bougainvillea.....	11.13
32 93 13 00-0064	EA	1 Quart Iberis sempervirens - Candytuft.....	3.18
32 93 13 00-0065	EA	1 Gallon Iberis sempervirens - Candytuft.....	7.64
32 93 13 00-0066	EA	1 Gallon Gelsemium sempervirens - Carolina Jessamine.....	9.17
32 93 13 00-0067	EA	5 Gallon Gelsemium sempervirens - Carolina Jessamine.....	33.11
32 93 13 00-0068	EA	3" Pot Ajuga reptans - Carpet Bugle.....	1.91
32 93 13 00-0069	EA	1 Quart Ajuga reptans - Carpet Bugle.....	3.18
32 93 13 00-0070	EA	1 Gallon Ajuga reptans - Carpet Bugle.....	7.64
32 93 13 00-0071	EA	24 Plant Flat Ajuga reptans - Carpet Bugle.....	32.90



Exterior Improvements 32

Planting 32 90

Plants 32 93

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0072	EA	1	Gallon Macfadyena unguis-cati - Cat Claw Vine.....	7.64	
32 93 13 00-0073	EA	5	Gallon Macfadyena unguis-cati - Cat Claw Vine.....	33.11	
32 93 13 00-0074	EA	1	Gallon Wisteria sinensis - Chinese Wisteria Vine.....	9.98	
32 93 13 00-0075	EA	3	Gallon Wisteria sinensis - Chinese Wisteria Vine.....	22.08	
32 93 13 00-0076	EA	5	Gallon Wisteria sinensis - Chinese Wisteria Vine.....	33.11	
32 93 13 00-0077	EA	1	Gallon Ranunculaceae - Clematis Varieties.....	10.97	
32 93 13 00-0078	EA	2	Gallon Ranunculaceae - Clematis Varieties.....	20.28	
32 93 13 00-0079	EA	1	Gallon Hydrangea petiolaris - Climbing Hydrangea.....	13.80	
32 93 13 00-0080	EA	2	Gallon Hydrangea petiolaris - Climbing Hydrangea.....	25.90	
32 93 13 00-0081	EA	5	Gallon Hydrangea petiolaris - Climbing Hydrangea.....	42.45	
32 93 13 00-0082	EA	4"	Pot Lantana camera - Common Lantana.....	1.91	
32 93 13 00-0083	EA	1	Gallon Lantana camera - Common Lantana.....	5.52	
32 93 13 00-0084	EA	1	Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia.....	6.58	
32 93 13 00-0085	EA	5	Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia.....	21.65	
32 93 13 00-0086	EA	2	Quart Lysimachia nummularia - Creeping Jenny.....	3.18	
32 93 13 00-0087	EA	1	Gallon Lysimachia nummularia - Creeping Jenny.....	6.16	
32 93 13 00-0088	EA	2	Quart Liriope spicata - Creeping Lilytuft.....	5.52	
32 93 13 00-0089	EA	1	Gallon Liriope spicata - Creeping Lilytuft.....	9.98	
32 93 13 00-0090	EA	5	Gallon Liriope spicata - Creeping Lilytuft.....	21.01	
32 93 13 00-0091	EA		Bare Root Liriope spicata - Creeping Liriope.....	1.39	
32 93 13 00-0092	EA	3"	Pot Rosmarinus officinalis 'Prostratus' - Creeping Rosemary.....	1.91	
32 93 13 00-0093	EA	1	Gallon Rosmarinus officinalis 'Prostratus' - Creeping Rosemary.....	7.64	
32 93 13 00-0094	EA	2-1/4"	Pot Securigera varia - Crown Vetch.....	1.27	
32 93 13 00-0095	EA	50	Plant Flat Securigera varia - Crown Vetch.....	43.09	
32 93 13 00-0096	EA	1	Quart Senecio cineraria - Dusty Miller.....	3.18	
32 93 13 00-0097	EA	1	Gallon Senecio cineraria - Dusty Miller.....	7.64	
32 93 13 00-0098	EA	2	Gallon Aristolochia macrophylla - Dutchman's Pipe.....	26.53	
32 93 13 00-0099	EA	5	Gallon Aristolochia macrophylla - Dutchman's Pipe.....	48.61	
32 93 13 00-0100	EA	1	Gallon Ilex cornuta - Dwarf Holly.....	5.76	
32 93 13 00-0101	EA	3	Gallon Ilex cornuta - Dwarf Holly.....	12.35	
32 93 13 00-0102	EA	3	Gallon Rhapsiolepis umbellata 'Minor' - Dwarf Indian Hawthorn.....	12.35	
32 93 13 00-0103	EA	1	Gallon Tradescantia spathacea - Dwarf Oyster Plant.....	4.12	
32 93 13 00-0104	EA	2"	To 3" Pot Hedera helix - English Ivy.....	1.91	
32 93 13 00-0105	EA	12"	To 15" Runners Hedera helix - English Ivy.....	3.18	
32 93 13 00-0106	EA	1	Gallon Hedera helix - English Ivy.....	7.64	
32 93 13 00-0107	EA	50	Plant Flat Hedera helix - English Ivy.....	44.15	
32 93 13 00-0108	EA	4"	Pot Lavandula angustifolia - English Lavender.....	2.76	
32 93 13 00-0109	EA	1	Quart Lavandula angustifolia - English Lavender.....	5.31	
32 93 13 00-0110	EA	1	Gallon Lavandula angustifolia - English Lavender.....	8.70	
32 93 13 00-0111	EA	1	Gallon Euonymus fortunei 'Kewensis' - Wintercreeper.....	8.28	
32 93 13 00-0112	EA	2	Gallon Euonymus fortunei 'Kewensis' - Wintercreeper.....	16.56	
32 93 13 00-0113	EA	1	Quart Arundo donax - Giant Reed.....	10.19	
32 93 13 00-0114	EA	1	Gallon Arundo donax - Giant Reed.....	14.65	
32 93 13 00-0115	EA	1	Gallon Lonicera x heckrottii - Gold Flame Honeysuckle.....	8.70	
32 93 13 00-0116	EA	2	Gallon Lonicera x heckrottii - Gold Flame Honeysuckle.....	16.56	
32 93 13 00-0117	EA	1	Quart Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass.....	11.25	
32 93 13 00-0118	EA	1	Gallon Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass.....	16.98	
32 93 13 00-0119	EA	3"	Pot Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle.....	1.91	
32 93 13 00-0120	EA	1	Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle.....	8.70	
32 93 13 00-0121	EA	2	Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle.....	16.56	
32 93 13 00-0122	EA	1	Gallon Hardenbergia violacea - Happy Wanderer.....	7.64	
32 93 13 00-0123	EA	5	Gallon Hardenbergia violacea - Happy Wanderer.....	25.47	
32 93 13 00-0124	EA	3	Gallon Hibiscus, Assorted Colors.....	9.95	
32 93 13 00-0125	EA	1	Gallon Acorus gramineus - Japanese Sweet Flag.....	7.96	
32 93 13 00-0126	EA	1	Gallon Jasminum volubile - Wax Jasmine.....	4.01	
32 93 13 00-0127	EA	1	Gallon Jasminum volubile - Wax Jasmine.....	9.95	
32 93 13 00-0128	EA	1	Gallon Juniperus davurica 'Parsonii' - Parson's Juniper.....	5.00	
32 93 13 00-0129	EA	3	Gallon Juniperus davurica 'Parsonii' - Parson's Juniper.....	11.13	
32 93 13 00-0130	EA	1	Gallon Cissus antarctica - Kangaroo Vine.....	6.16	
32 93 13 00-0131	EA	5	Gallon Cissus antarctica - Kangaroo Vine.....	19.32	
32 93 13 00-0132	EA	1	Quart Stachys byzantina - Lamb's Ear.....	3.18	
32 93 13 00-0133	EA	1	Quart Stachys byzantina - Lamb's Ear.....	7.64	
32 93 13 00-0134	EA	1	Gallon Lantana spp. Various Colors.....	4.51	
32 93 13 00-0135	EA	1	Gallon Lantana sellowiana - Trailing Lantana.....	2.96	
32 93 13 00-0136	EA	1	Gallon Cocculus laurifolius - Laurel-leaf Snailseed.....	6.16	
32 93 13 00-0137	EA	5	Gallon Cocculus laurifolius - Laurel-leaf Snailseed.....	22.08	
32 93 13 00-0138	EA	1	Gallon Liriope Evergreen Giant, 6 To 8 Bibs Minimum.....	4.51	
32 93 13 00-0139	EA	1	Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum.....	5.68	
32 93 13 00-0140	EA	3	Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum.....	9.09	
32 93 13 00-0141	EA	1	Quart Moss Phlox, Creeping Phlox.....	3.18	
32 93 13 00-0142	EA	1	Gallon Moss Phlox, Creeping Phlox.....	7.64	
32 93 13 00-0143	EA	1	Gallon Nephrolepis exaltata - Common Boston Fern.....	4.01	
32 93 13 00-0144	EA	4"	Pot Ophiopogon Japonicus - Mondo grass.....	1.91	
32 93 13 00-0145	EA	1	Gallon Ophiopogon Japonicus - Mondo grass.....	7.64	
32 93 13 00-0146	EA	5	Gallon Ophiopogon Japonicus - Mondo grass.....	17.62	
32 93 13 00-0147	EA	2"	To 3" High Oregon Holly-Grape.....	8.82	
32 93 13 00-0148	EA	1	Gallon Pachysandra terminalis - Pachysandra.....	11.49	
32 93 13 00-0149	EA	2-1/4"	Pot Vinca minor - Periwinkle.....	1.06	
32 93 13 00-0150	EA	4"	Pot Vinca minor - Periwinkle.....	3.18	
32 93 13 00-0151	EA		Bare Root Vinca minor - Periwinkle.....	1.06	
32 93 13 00-0152	EA	1	Quart Nepeta mussinii - Persian Catmint.....	3.18	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 13 00-0153	EA	1 Gallon Nepeta mussinii - Persian Catmint	6.58
32 93 13 00-0154	EA	1 Gallon Coprosma kirkii - Prostrate Coprosma	5.31
32 93 13 00-0155	EA	5 Gallon Coprosma kirkii - Prostrate Coprosma	19.32
32 93 13 00-0156	EA	1 Gallon Juniperus Horizontalis - Prostrate Juniper	8.70
32 93 13 00-0157	EA	3 Gallon Juniperus Horizontalis - Prostrate Juniper	18.68
32 93 13 00-0158	EA	5 Gallon Juniperus Horizontalis - Prostrate Juniper	27.59
32 93 13 00-0159	EA	1 Quart Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	7.58
32 93 13 00-0160	EA	1 Gallon Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	19.64
32 93 13 00-0161	EA	24 Plant Flat Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	32.90
32 93 13 00-0162	EA	1 Gallon Tradescantia spathacea - Rhoeco Discolor "Dwarf"	4.01
32 93 13 00-0163	EA	1 Quart Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	4.46
32 93 13 00-0164	EA	1 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	7.96
32 93 13 00-0165	EA	2 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	12.42
32 93 13 00-0166	EA	1 Gallon Hymenocallis latifolia - Spider Lily	4.94
32 93 13 00-0167	EA	3 Gallon Hymenocallis latifolia - Spider Lily	13.18
32 93 13 00-0168	EA	1 Quart Hypericum perforatum - St. John's Wort	3.18
32 93 13 00-0169	EA	1 Gallon Hypericum perforatum - St. John's Wort	7.64
32 93 13 00-0170	EA	5 Gallon Hypericum perforatum - St. John's Wort	19.74
32 93 13 00-0171	EA	24" To 30" High Viburnum awabuki - Sweet Viburnum	26.86
32 93 13 00-0172	EA	1 Gallon Campsis radicans - Trumpet Creeper	11.67
32 93 13 00-0173	EA	2 Gallon Campsis radicans - Trumpet Creeper	17.62
32 93 13 00-0174	EA	5 Gallon Campsis radicans - Trumpet Creeper	42.45
32 93 13 00-0175	EA	2-1/4" Pot Vinca major - Variegated Greater Periwinkle	1.06
32 93 13 00-0176	EA	4" Pot Vinca major - Variegated Greater Periwinkle	3.18
32 93 13 00-0177	EA	Bare Root Vinca major - Variegated Greater Periwinkle	1.06
32 93 13 00-0178	EA	1 Quart Carex hachijoensis - Variegated Japanese Sedge	5.73
32 93 13 00-0179	EA	1 Gallon Carex hachijoensis - Variegated Japanese Sedge	7.96
32 93 13 00-0180	EA	2 Gallon Carex hachijoensis - Variegated Japanese Sedge	12.42
32 93 13 00-0181	EA	1 Gallon Liriope muscari 'Variegata' - Variegated Lilyturf	8.70
32 93 13 00-0182	EA	2 Quart Verbena peruviana "St. Paul" - St. Paul Verbena	4.03
32 93 13 00-0183	EA	1 Gallon Verbena peruviana "St. Paul" - St. Paul Verbena	6.16
32 93 13 00-0184	EA	48 Plant Flat Vinca minor - Lesser Periwinkle	37.83
32 93 13 00-0185	EA	3" Pot Parthenocissus quinquefolia - Virginia Creeper	1.91
32 93 13 00-0186	EA	1 Gallon Parthenocissus quinquefolia - Virginia Creeper	9.98
32 93 13 00-0187	EA	1 Gallon Jasminum polyanthum - Winter Jasmine	7.64
32 93 13 00-0188	EA	2 Gallon Jasminum polyanthum - Winter Jasmine	15.28
32 93 13 00-0189	EA	5 Gallon Jasminum polyanthum - Winter Jasmine	26.53
32 93 13 00-0190	EA	1 Gallon Cistaceae - Wrinkleleaf Rock Rose	6.16
32 93 13 00-0191	EA	5 Gallon Cistaceae - Wrinkleleaf Rock Rose	21.01
32 93 13 00-0192	EA	Flat Hedera canariensis - Algerian Ivy	13.82
32 93 13 00-0193	EA	2-1/2" Pot Hedera canariensis - Algerian Ivy	3.65
32 93 13 00-0194	EA	Flat Gazania 'Copper King'	11.34
32 93 13 00-0195	EA	1 Gallon Gazania 'Copper King'	3.87
32 93 13 00-0196	EA	Flat Myoporum parvifolium - Myoporum	13.82
32 93 13 00-0197	EA	1 Gallon Myoporum parvifolium - Myoporum	3.87
32 93 13 00-0198	EA	5 Gallon Myoporum parvifolium - Myoporum	11.06
32 93 13 00-0199	EA	1 Gallon Lantana montevidensis - Purple Lantana	3.87
32 93 13 00-0200	EA	5 Gallon Lantana montevidensis - Purple Lantana	11.06
32 93 13 00-0201	EA	Flat Carpobrotus - Ice Plant	10.51
32 93 13 00-0202	EA	1 Gallon Carpobrotus - Ice Plant	4.42

32 93 23 Plants And Bulbs (32 93)

Note: Materials only. See CSI section 32 93 53 00-0057 for installation and planting of bulbs and annuals.

32 93 23 00-0001 Perennials (32 93 23)

32 93 23 00-0002	EA	2 Quart Assorted Daylilies	6.16
32 93 23 00-0003	EA	1 Gallon Assorted Daylilies	8.70
32 93 23 00-0004	EA	2 Gallon Assorted Daylilies	14.43
32 93 23 00-0005	EA	1 Quart Azure Penstemon	3.18
32 93 23 00-0006	EA	1 Gallon Azure Penstemon	7.96
32 93 23 00-0007	EA	1 Quart Balloon Flower	3.18
32 93 23 00-0008	EA	1 Gallon Balloon Flower	7.96
32 93 23 00-0009	EA	1 Quart Black-eyed Susan	3.18
32 93 23 00-0010	EA	1 Gallon Black-eyed Susan	7.96
32 93 23 00-0011	EA	2 Gallon Black-eyed Susan	10.30
32 93 23 00-0012	EA	1 Quart Blackberry Lily	3.18
32 93 23 00-0013	EA	1 Gallon Blackberry Lily	7.96
32 93 23 00-0014	EA	1 Quart Blank Flower	3.18
32 93 23 00-0015	EA	1 Gallon Blank Flower	7.32
32 93 23 00-0016	EA	2 Gallon Blank Flower	10.30
32 93 23 00-0017	EA	1 Quart Blazing Star, Gayfeather	3.18
32 93 23 00-0018	EA	1 Gallon Blazing Star, Gayfeather	7.96
32 93 23 00-0019	EA	1 Quart Bloodred Geranium	5.41
32 93 23 00-0020	EA	1 Gallon Bloodred Geranium	9.13
32 93 23 00-0021	EA	1 Quart Blue Plumbago	3.18
32 93 23 00-0022	EA	1 Gallon Blue Plumbago	7.96
32 93 23 00-0023	EA	1 Quart Blue Star	5.73
32 93 23 00-0024	EA	1 Gallon Blue Star	9.13
32 93 23 00-0025	EA	1 Quart Cardinal Flower	3.18
32 93 23 00-0026	EA	1 Gallon Cardinal Flower	7.96
32 93 23 00-0027	EA	4" Pot Columbine	1.91



		Exterior Improvements	32
		Planting	32 90
		Plants	32 93

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 23 00-0028	EA	1	Quart Columbine.....	3.18	
32 93 23 00-0029	EA	1	Gallon Columbine.....	7.96	
32 93 23 00-0030	EA	1	Quart Common Globeflower.....	3.18	
32 93 23 00-0031	EA	1	Gallon Common Globeflower.....	7.96	
32 93 23 00-0032	EA	1	Quart Cottage Pink, Scotch Pink.....	3.18	
32 93 23 00-0033	EA	1	Quart Cottage Pink, Scotch Pink.....	7.96	
32 93 23 00-0034	EA	1	Gallon Astilbe 'Deutschland'.....	11.46	
32 93 23 00-0035	EA	1	Quart Diploid.....	4.03	
32 93 23 00-0036	EA	1	Gallon Diploid.....	9.13	
32 93 23 00-0037	EA	3	Gallon Diploid.....	15.71	
32 93 23 00-0038	EA	4"	Pot Dune Sunflower.....	4.54	
32 93 23 00-0039	EA	1	Quart Evans Begonia.....	5.73	
32 93 23 00-0040	EA	1	Gallon Evans Begonia.....	10.30	
32 93 23 00-0041	EA	1	Quart False Dragonhead.....	3.18	
32 93 23 00-0042	EA	1	Gallon False Dragonhead.....	7.96	
32 93 23 00-0043	EA	1	Quart False Spirea.....	3.18	
32 93 23 00-0044	EA	1	Gallon False Spirea.....	10.30	
32 93 23 00-0045	EA	3	Gallon False Spirea.....	14.22	
32 93 23 00-0046	EA	2	Quart False Sunflower.....	5.09	
32 93 23 00-0047	EA	1	Gallon False Sunflower.....	7.96	
32 93 23 00-0048	EA	2	Gallon False Sunflower.....	10.30	
32 93 23 00-0049	EA	1	Gallon Foxglove.....	7.32	
32 93 23 00-0050	EA	2	Gallon Foxglove.....	10.30	
32 93 23 00-0051	EA	3	Gallon Foxglove.....	14.86	
32 93 23 00-0052	EA	1	Gallon Francee Hostas.....	12.89	
32 93 23 00-0053	EA	1	Quart Garden Phlox.....	3.18	
32 93 23 00-0054	EA	1	Gallon Garden Phlox.....	7.96	
32 93 23 00-0055	EA	2	Quart Golden Groundsel.....	6.79	
32 93 23 00-0056	EA	2	Gallon Golden Groundsel.....	13.69	
32 93 23 00-0057	EA	1	Quart Golden Star.....	3.18	
32 93 23 00-0058	EA	1	Gallon Golden Star.....	7.96	
32 93 23 00-0059	EA	1	Quart Goldenrod.....	3.18	
32 93 23 00-0060	EA	1	Gallon Goldenrod.....	7.96	
32 93 23 00-0061	EA	1	Gallon Happy Returns Daylillies.....	14.82	
32 93 23 00-0062	EA	4"	Pot Hardy Aster, Michaelmas Daisy.....	1.91	
32 93 23 00-0063	EA	1	Quart Hardy Aster, Michaelmas Daisy.....	3.18	
32 93 23 00-0064	EA	1	Gallon Hardy Aster, Michaelmas Daisy.....	7.96	
32 93 23 00-0065	EA	1	Quart Hardy Chrysanthemum.....	2.76	
32 93 23 00-0066	EA	6" To 8"	Pot Hardy Chrysanthemum.....	4.57	
32 93 23 00-0067	EA	1	Gallon Hardy Chrysanthemum.....	7.32	
32 93 23 00-0068	EA	1	Gallon Herbaceous Peony.....	11.36	
32 93 23 00-0069	EA	2	Gallon Herbaceous Peony.....	18.15	
32 93 23 00-0070	EA	3	Gallon Herbaceous Peony.....	23.88	
32 93 23 00-0071	EA	4"	Pot Japanese Anemone.....	1.91	
32 93 23 00-0072	EA	1	Quart Japanese Anemone.....	5.73	
32 93 23 00-0073	EA	2	Gallon Japanese Anemone.....	10.30	
32 93 23 00-0074	EA	2"	Pot Japanese Spurge.....	1.13	
32 93 23 00-0075	EA	6"	Pot Japanese Spurge.....	1.70	
32 93 23 00-0076	EA	1	Gallon Japanese Spurge.....	7.31	
32 93 23 00-0077	EA	1	Quart Oriental Poppy.....	4.57	
32 93 23 00-0078	EA	1	Gallon Oriental Poppy.....	9.13	
32 93 23 00-0079	EA	48	Plant Flat Pachysandra terminalis.....	37.83	
32 93 23 00-0080	EA	1	Gallon Pacific Coast Iris.....	6.26	
32 93 23 00-0081	EA	3	Gallon Pacific Coast Iris.....	11.89	
32 93 23 00-0082	EA	1	Gallon Palace Purple Coral Bells.....	12.05	
32 93 23 00-0083	EA	4"	Pot Perennial Salvia.....	1.91	
32 93 23 00-0084	EA	1	Quart Perennial Salvia.....	3.18	
32 93 23 00-0085	EA	1	Gallon Perennial Salvia.....	7.96	
32 93 23 00-0086	EA	1	Quart Pincushion Flower.....	3.18	
32 93 23 00-0087	EA	1	Gallon Pincushion Flower.....	7.96	
32 93 23 00-0088	EA	2	Quart Plantain Lily.....	6.16	
32 93 23 00-0089	EA	1	Gallon Plantain Lily.....	8.70	
32 93 23 00-0090	EA	2	Gallon Plantain Lily.....	14.43	
32 93 23 00-0091	EA	3	Gallon Plantain Lily.....	27.28	
32 93 23 00-0092	EA	2	Quart Purple Coneflower.....	5.73	
32 93 23 00-0093	EA	1	Gallon Purple Coneflower.....	7.96	
32 93 23 00-0094	EA	2	Gallon Purple Coneflower.....	10.30	
32 93 23 00-0095	EA	1	Quart Purple Loosestrife.....	3.18	
32 93 23 00-0096	EA	1	Gallon Purple Loosestrife.....	7.96	
32 93 23 00-0097	EA	1	Quart Rose Mallow.....	6.26	
32 93 23 00-0098	EA	2	Gallon Rose Mallow.....	11.36	
32 93 23 00-0099	EA	3	Gallon Rose Mallow.....	19.42	
32 93 23 00-0100	EA	1	Gallon Autumn Joy Sedum.....	12.14	
32 93 23 00-0101	EA	1	Quart Siberian Iris.....	5.41	
32 93 23 00-0102	EA	2	Gallon Siberian Iris.....	10.30	
32 93 23 00-0103	EA	3	Gallon Siberian Iris.....	14.22	
32 93 23 00-0104	EA	1	Quart Speedwell.....	3.18	
32 93 23 00-0105	EA	1	Gallon Speedwell.....	7.96	
32 93 23 00-0106	EA	1	Quart Tetraploid.....	7.96	
32 93 23 00-0107	EA	1	Gallon Tetraploid.....	14.86	
32 93 23 00-0108	EA	3	Gallon Tetraploid.....	20.27	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 23 00-0109 EA 1 Quart Threadleaf Coreopsis.....	3.18	
32 93 23 00-0110 EA 1 Gallon Threadleaf Coreopsis.....	7.96	
32 93 23 00-0111 EA 1 Quart Torch Lily.....	3.18	
32 93 23 00-0112 EA 1 Quart Bluebeard.....	5.73	
32 93 23 00-0113 EA 1 Gallon Bluebeard.....	8.49	
32 93 23 00-0114 EA 2 Gallon Bluebeard.....	12.42	
32 93 23 00-0115 Annuals (32 93 23)		
32 93 23 00-0116 EA 2-1/2" Pot Annual Flowers.....	1.48	
32 93 23 00-0117 EA 3" Pot Annual Flowers.....	2.00	
32 93 23 00-0118 EA 4" Pot Annual Flowers.....	4.27	
32 93 23 00-0119 EA 5-1/2" Pot Annual Flowers.....	5.68	
32 93 23 00-0120 EA 6" Pot Annual Flowers.....	11.25	
32 93 23 00-0121 EA 8" Pot Annual Flowers.....	18.75	
32 93 23 00-0122 EA 36 Plant Flat Annual Flowers.....	24.54	
32 93 23 00-0123 EA 48 Plant Flat Annual Flowers.....	27.84	
32 93 23 00-0124 Bulbs (32 93 23)		
32 93 23 00-0125 EA Top Size Allium giganteum - Giant Ornamental Onion.....	5.14	
32 93 23 00-0126 EA Top Size Allium sphaerocephalum - Drumstick Ornamental Onion.....	0.30	
32 93 23 00-0127 EA Top Size Crocus Hybrid.....	0.34	
32 93 23 00-0128 EA Top Size Eranthis hyemalis - Winter Aconite.....	0.43	
32 93 23 00-0129 EA Top Size Galanthus nivalis - Snowdrops.....	0.55	
32 93 23 00-0130 EA Top Size Iris reticulata cvs - Dutch Iris.....	0.22	
32 93 23 00-0131 EA Top Size Muscari armeniacum - Grape Hyacinth.....	0.26	
32 93 23 00-0132 EA Top Size Muscari latifolium - Grape Hyacinth.....	0.30	
32 93 23 00-0133 EA Narcissus 'Carlton' - Carlton Daffodil DNI.....	1.78	
32 93 23 00-0134 EA Narcissus 'Dutch Master' - Dutch Master Daffodil DNI.....	0.85	
32 93 23 00-0135 EA Narcissus 'February Gold' - February Gold Daffodil DNI.....	0.89	
32 93 23 00-0136 EA Narcissus 'Ice Follies' - Ice Follies Daffodil DNI.....	0.89	
32 93 23 00-0137 EA Narcissus 'Mount Hood' - Mount Hood Daffodil DNI.....	0.93	
32 93 23 00-0138 EA Narcissus 'Papillon Blanc' - Papillon Blanc Daffodil DNI.....	0.99	
32 93 23 00-0139 EA Narcissus 'Pipit' - Pipit Daffodil DNI.....	0.93	
32 93 23 00-0140 EA Narcissus 'Salome' - Salome Daffodil DNI.....	0.87	
32 93 23 00-0141 EA Narcissus 'Tete A Tete' - Tete A Tete Daffodil DNI.....	0.93	
32 93 23 00-0142 EA Narcissus 'Thalia' - Thalia Daffodil DNI.....	0.93	
32 93 23 00-0143 EA Top Size Scilla siberica - Siberian Squill.....	0.28	
32 93 23 00-0144 EA Top Size Tulip 'Angelique' - Angelique Tulip.....	0.79	
32 93 23 00-0145 EA Top Size Tulip 'Apeldoorn' - Apeldoorn Tulip.....	0.59	
32 93 23 00-0146 EA Top Size Tulip 'Apricot Beauty' - Apricot Beauty Tulip.....	0.79	
32 93 23 00-0147 EA Top Size Tulip 'Big Smile' - Big Smile Tulip.....	0.69	
32 93 23 00-0148 EA Top Size Tulip 'Black Parrot' - Black Parrot Tulip.....	0.99	
32 93 23 00-0149 EA Top Size Tulip 'Blue Heron' - Blue Heron Tulip.....	0.75	
32 93 23 00-0150 EA Top Size Tulip 'Cardinal' - Cardinal Tulip.....	0.65	
32 93 23 00-0151 EA Top Size Tulip 'Christmas Marvel' - Christmas Marvel Tulip.....	0.73	
32 93 23 00-0152 EA Top Size Tulip clusiana - Species Tulip.....	0.73	
32 93 23 00-0153 EA Top Size Tulip 'Elizabeth Arden' - Elizabeth Arden Tulip.....	0.73	
32 93 23 00-0154 EA Top Size Tulip 'Golden Apledoorn' - Golden Apledoorn Tulip.....	0.59	
32 93 23 00-0155 EA Top Size Tulip 'Golden Emperor' - Golden Emperor Tulip.....	0.57	
32 93 23 00-0156 EA Top Size Tulip 'Halcro' - Halcro Tulip.....	0.59	
32 93 23 00-0157 EA Top Size Tulip 'Ivory Floradale' - Ivory Floradale Tulip.....	0.99	
32 93 23 00-0158 EA Top Size Tulip 'Orange Emperor' - Orange Emperor Tulip.....	0.59	
32 93 23 00-0159 EA Top Size Tulip 'Passionale' - Passionale Tulip.....	0.79	
32 93 23 00-0160 EA Top Size Tulip 'Peach Blossom' - Peach Blossom Tulip.....	0.85	
32 93 23 00-0161 EA Top Size Tulip 'Peer Gynt' - Peer Gynt Tulip.....	0.89	
32 93 23 00-0162 EA Top Size Tulip 'Pink Diamond' - Pink Diamond Tulip.....	0.71	
32 93 23 00-0163 EA Top Size Tulip 'Pink Emperor' - Pink Emperor Tulip.....	0.67	
32 93 23 00-0164 EA Top Size Tulip praetens 'Fusilier' - Praetens Fusilier Tulip.....	0.73	
32 93 23 00-0165 EA Top Size Tulip 'Princeps' - Princeps Tulip.....	0.73	
32 93 23 00-0166 EA Top Size Tulip 'Red Riding Hood' - Red Riding Hood Tulip.....	0.57	
32 93 23 00-0167 EA Top Size Tulip saxatilis - Species Tulip.....	0.40	
32 93 23 00-0168 EA Top Size Tulip 'Shirley' - Shirley Tulip.....	0.59	
32 93 23 00-0169 EA Top Size Tulip 'Spring Green' - Spring Green Tulip.....	0.77	
32 93 23 00-0170 EA Top Size Tulip 'White Emperor' - White Emperor Tulip.....	0.59	
32 93 33 Shrubs (32 93)		
Note: (cvs = cultivar) materials only. See CSI section 32 93 53 00-0033 for installation and planting of shrubs.		
32 93 33 00-0001 Shrubs (32 93 33)		
32 93 33 00-0002 EA 1 Gallon Abelia x grandiflora - Abelia.....	9.80	
32 93 33 00-0003 EA 3 Gallon Abelia x grandiflora - Abelia.....	19.95	
32 93 33 00-0004 EA 5 Gallon Abelia x grandiflora - Abelia.....	38.30	
32 93 33 00-0005 EA 1 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia.....	5.14	
32 93 33 00-0006 EA 5 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia.....	12.72	
32 93 33 00-0007 EA 15 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia.....	50.48	
32 93 33 00-0008 EA 3 Gallon Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	235.25	
32 93 33 00-0009 EA 18" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	343.83	
32 93 33 00-0010 EA 24" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	383.64	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0011	EA		30" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	484.98	
32 93 33 00-0012	EA		36" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	539.26	
32 93 33 00-0013	EA		18" B&B Aesculus parviflora - Bottlebrush Buckeye.....	108.58	
32 93 33 00-0014	EA		24" B&B Aesculus parviflora - Bottlebrush Buckeye.....	144.77	
32 93 33 00-0015	EA		30" B&B Aesculus parviflora - Bottlebrush Buckeye.....	180.96	
32 93 33 00-0016	EA		1 Gallon Agapanthus 'Peter Pan' - Lily of the Nile.....	5.14	
32 93 33 00-0017	EA		5 Gallon Agapanthus 'Peter Pan' - Lily of the Nile.....	12.72	
32 93 33 00-0018	EA		36" B&B Aronia arbutifolia & cvs - Red Chokeberry.....	61.53	
32 93 33 00-0019	EA		42" B&B Aronia arbutifolia & cvs - Red Chokeberry.....	72.38	
32 93 33 00-0020	EA		48" B&B Aronia arbutifolia & cvs - Red Chokeberry.....	86.86	
32 93 33 00-0021	EA		60" B&B Aronia arbutifolia & cvs - Red Chokeberry.....	101.34	
32 93 33 00-0022	EA		72" B&B Aronia arbutifolia & cvs - Red Chokeberry.....	123.05	
32 93 33 00-0023	EA		36" B&B Aronia melanocarpa & cvs - Black Chokeberry.....	59.72	
32 93 33 00-0024	EA		42" B&B Aronia melanocarpa & cvs - Black Chokeberry.....	63.34	
32 93 33 00-0025	EA		48" B&B Aronia melanocarpa & cvs - Black Chokeberry.....	66.96	
32 93 33 00-0026	EA		60" B&B Aronia melanocarpa & cvs - Black Chokeberry.....	76.00	
32 93 33 00-0027	EA		36" B&B Aronia prunifolia - Purple-Fruited Chokeberry.....	60.62	
32 93 33 00-0028	EA		42" B&B Aronia prunifolia - Purple-Fruited Chokeberry.....	64.24	
32 93 33 00-0029	EA		48" B&B Aronia prunifolia - Purple-Fruited Chokeberry.....	67.86	
32 93 33 00-0030	EA		60" B&B Aronia prunifolia - Purple-Fruited Chokeberry.....	71.48	
32 93 33 00-0031	EA		1 Gallon Aspidistra elatior - Cast Iron Plant.....	12.44	
32 93 33 00-0032	EA		2 Gallon Aspidistra elatior - Cast Iron Plant.....	28.77	
32 93 33 00-0033	EA		1 Gallon Aucuba japonica "Variegata" - Gold Dust Plant.....	14.58	
32 93 33 00-0034	EA		3 Gallon Aucuba japonica "Variegata" - Gold Dust Plant.....	32.08	
32 93 33 00-0035	EA		5 Gallon Aucuba japonica "Variegata" - Gold Dust Plant.....	43.35	
32 93 33 00-0036	EA		1 Gallon Baccharis pilularis 'Pigeon Point' - Dwarf Coyote Brush.....	5.14	
32 93 33 00-0037	EA		5 Gallon Baccharis pilularis 'Pigeon Point' - Dwarf Coyote Brush.....	12.72	
32 93 33 00-0038	EA		1 Gallon Baccharis pilularis 'Twin Peaks' - Dwarf Coyote Brush.....	5.14	
32 93 33 00-0039	EA		5 Gallon Baccharis pilularis 'Twin Peaks' - Dwarf Coyote Brush.....	12.72	
32 93 33 00-0040	EA		1 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush.....	15.55	
32 93 33 00-0041	EA		2 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush.....	22.74	
32 93 33 00-0042	EA		15' To 18' Berberis - Northern Bayberry.....	64.93	
32 93 33 00-0043	EA		2' To 2-1/2' Berberis - Northern Bayberry.....	82.43	
32 93 33 00-0044	EA		2-1/2' To 3' Berberis - Northern Bayberry.....	115.48	
32 93 33 00-0045	EA		1 Gallon Berberis Buxifolia 'Nana' - Barberry.....	5.81	
32 93 33 00-0046	EA		5 Gallon Berberis Buxifolia 'Nana' - Barberry.....	13.99	
32 93 33 00-0047	EA		18" To 24" Berberis julianae - Dwarf Wintergreen Barberry.....	69.40	
32 93 33 00-0048	EA		2' To 2-1/2' Berberis julianae - Dwarf Wintergreen Barberry.....	88.84	
32 93 33 00-0049	EA		2-1/2' To 3' Berberis julianae - Dwarf Wintergreen Barberry.....	113.53	
32 93 33 00-0050	EA		1 Gallon Berberis thunbergii - Crimson Pygmy Barberry.....	18.66	
32 93 33 00-0051	EA		2 Gallon Berberis thunbergii - Crimson Pygmy Barberry.....	36.74	
32 93 33 00-0052	EA		3 Gallon Berberis thunbergii - Crimson Pygmy Barberry.....	44.91	
32 93 33 00-0053	EA		1 Gallon Berberis x mentorensis - Mentor Barberry.....	17.69	
32 93 33 00-0054	EA		5 Gallon Berberis x mentorensis - Mentor Barberry.....	49.96	
32 93 33 00-0055	EA		2' To 3' Berberis x mentorensis - Mentor Barberry.....	69.40	
32 93 33 00-0056	EA		3' To 4' Berberis x mentorensis - Mentor Barberry.....	107.12	
32 93 33 00-0057	EA		1 Gallon Buxus microphylla japonica - Japanese Boxwood.....	20.22	
32 93 33 00-0058	EA		5 Gallon Buxus microphylla japonica - Japanese Boxwood.....	54.24	
32 93 33 00-0059	EA		12" To 15" Buxus microphylla japonica - Japanese Boxwood.....	57.74	
32 93 33 00-0060	EA		15" To 18" Buxus microphylla japonica - Japanese Boxwood.....	74.26	
32 93 33 00-0061	EA		18" To 24" Buxus microphylla japonica - Japanese Boxwood.....	98.95	
32 93 33 00-0062	EA		24" To 30" Buxus microphylla japonica - Japanese Boxwood.....	148.52	
32 93 33 00-0063	EA		30" To 36" Buxus microphylla japonica - Japanese Boxwood.....	206.26	
32 93 33 00-0064	EA		12" To 15" Buxus sempervirens - Common Boxwood.....	57.74	
32 93 33 00-0065	EA		15" To 18" Buxus sempervirens - Common Boxwood.....	74.26	
32 93 33 00-0066	EA		18" To 24" Buxus sempervirens - Common Boxwood.....	98.95	
32 93 33 00-0067	EA		24" To 30" Buxus sempervirens - Common Boxwood.....	148.52	
32 93 33 00-0068	EA		2 Gallon Buxus Hybrid - Boxwood Cultivars.....	38.00	
32 93 33 00-0069	EA		5 Gallon Buxus Hybrid - Boxwood Cultivars.....	63.34	
32 93 33 00-0070	EA		5 Gallon Buxus microphylla & cvs - Little leaf Boxwood.....	166.48	
32 93 33 00-0071	EA		18" B&B Buxus microphylla & cvs - Little leaf Boxwood.....	90.48	
32 93 33 00-0072	EA		24" B&B Buxus microphylla & cvs - Little leaf Boxwood.....	123.05	
32 93 33 00-0073	EA		30" B&B Buxus microphylla & cvs - Little leaf Boxwood.....	166.48	
32 93 33 00-0074	EA		1 Gallon Callistemon citrinus 'Little John' - Dwarf Bottle Bush.....	4.62	
32 93 33 00-0075	EA		5 Gallon Callistemon citrinus 'Little John' - Dwarf Bottle Bush.....	14.20	
32 93 33 00-0076	EA		15 Gallon Callistemon citrinus 'Little John' - Dwarf Bottle Bush.....	46.16	
32 93 33 00-0077	EA		5 Gallon Calycanthus floridus - Common Sweetshrub.....	59.72	
32 93 33 00-0078	EA		30" B&B Calycanthus floridus - Common Sweetshrub.....	54.29	
32 93 33 00-0079	EA		36" B&B Calycanthus floridus - Common Sweetshrub.....	72.38	
32 93 33 00-0080	EA		1 Gallon Camellia "Sasanqua" - Camellia.....	14.58	
32 93 33 00-0081	EA		3 Gallon Camellia "Sasanqua" - Camellia.....	31.10	
32 93 33 00-0082	EA		5 Gallon Camellia "Sasanqua" - Camellia.....	51.71	
32 93 33 00-0083	EA		7 Gallon Camellia "Sasanqua" - Camellia.....	77.00	
32 93 33 00-0084	EA		15 Gallon Camellia "Sasanqua" - Camellia.....	199.78	
32 93 33 00-0085	EA		1 Gallon Camellia japonica - Camellia.....	14.58	
32 93 33 00-0086	EA		3 Gallon Camellia japonica - Camellia.....	31.10	
32 93 33 00-0087	EA		5 Gallon Camellia japonica - Camellia.....	51.71	
32 93 33 00-0088	EA		5 Gallon Ceanothus americanus - New Jersey Tea.....	59.72	
32 93 33 00-0089	EA		1 Gallon Ceanothus Griseus Horizontalis 'Yankee Point' - Yankee Point Ceanothus.....	5.81	
32 93 33 00-0090	EA		5 Gallon Ceanothus Griseus Horizontalis 'Yankee Point' - Yankee Point Ceanothus.....	15.10	
32 93 33 00-0091	EA		5 Gallon Celastrus scandens - Bittersweet.....	59.72	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0092	EA	36" B&B Celastrus scandens - Bittersweet	50.67
32 93 33 00-0093	EA	5 Gallon Cephalanthus occidentalis - Buttonbush	59.72
32 93 33 00-0094	EA	24" B&B Cephalanthus occidentalis - Buttonbush	45.24
32 93 33 00-0095	EA	30" B&B Cephalanthus occidentalis - Buttonbush	50.67
32 93 33 00-0096	EA	36" B&B Cephalanthus occidentalis - Buttonbush	54.29
32 93 33 00-0097	EA	18" To 24" Chaenomeles speciosa - Flowering Quince	52.10
32 93 33 00-0098	EA	2' To 3' Chaenomeles speciosa - Flowering Quince	69.40
32 93 33 00-0099	EA	3' To 4' Chaenomeles speciosa - Flowering Quince	107.12
32 93 33 00-0100	EA	1 Gallon Cistus Hybridus - White Rockrose	5.14
32 93 33 00-0101	EA	5 Gallon Cistus Hybridus - White Rockrose	12.72
32 93 33 00-0102	EA	3 Gallon Clethra alnifolia & cvs - Summersweet Clethra	57.91
32 93 33 00-0103	EA	18" B&B Clethra alnifolia & cvs - Summersweet Clethra	62.43
32 93 33 00-0104	EA	24" B&B Clethra alnifolia & cvs - Summersweet Clethra	69.67
32 93 33 00-0105	EA	30" B&B Clethra alnifolia & cvs - Summersweet Clethra	73.29
32 93 33 00-0106	EA	36" B&B Clethra alnifolia & cvs - Summersweet Clethra	85.96
32 93 33 00-0107	EA	1 Gallon Coleonema Pulchellum - Confetti Bush	5.14
32 93 33 00-0108	EA	5 Gallon Coleonema Pulchellum - Confetti Bush	12.72
32 93 33 00-0109	EA	15 Gallon Coleonema Pulchellum - Confetti Bush	59.55
32 93 33 00-0110	EA	2' To 3' Cornus mas - Cornelian Cherry	82.43
32 93 33 00-0111	EA	3' To 4' Cornus mas - Cornelian Cherry	103.03
32 93 33 00-0112	EA	4' To 5' Cornus mas - Cornelian Cherry	132.00
32 93 33 00-0113	EA	5' To 6' Cornus mas - Cornelian Cherry	181.38
32 93 33 00-0114	EA	5 Gallon Cornus alba & cvs - Tartarian Dogwood	54.29
32 93 33 00-0115	EA	36" B&B Cornus alba & cvs - Tartarian Dogwood	38.00
32 93 33 00-0116	EA	48" B&B Cornus alba & cvs - Tartarian Dogwood	43.43
32 93 33 00-0117	EA	60" B&B Cornus alba & cvs - Tartarian Dogwood	54.29
32 93 33 00-0118	EA	72" B&B Cornus alba & cvs - Tartarian Dogwood	65.15
32 93 33 00-0119	EA	36" B&B Cornus amomum - Silky Dogwood	54.29
32 93 33 00-0120	EA	5 Gallon Cornus obliqua - Blue Fruited Dogwood	59.72
32 93 33 00-0121	EA	5 Gallon Cornus racemosa - Gray Dogwood	59.72
32 93 33 00-0122	EA	36" B&B Cornus racemosa - Gray Dogwood	54.29
32 93 33 00-0123	EA	48" B&B Cornus racemosa - Gray Dogwood	63.34
32 93 33 00-0124	EA	60" B&B Cornus racemosa - Gray Dogwood	68.76
32 93 33 00-0125	EA	72" B&B Cornus racemosa - Gray Dogwood	83.24
32 93 33 00-0126	EA	36" B&B Cornus sanguinea & cvs - Bloodtwig Dogwood	58.81
32 93 33 00-0127	EA	48" B&B Cornus sanguinea & cvs - Bloodtwig Dogwood	66.05
32 93 33 00-0128	EA	60" B&B Cornus sanguinea & cvs - Bloodtwig Dogwood	75.10
32 93 33 00-0129	EA	24" B&B Cornus sericea & cvs - Redosier Dogwood	47.05
32 93 33 00-0130	EA	30" B&B Cornus sericea & cvs - Redosier Dogwood	54.29
32 93 33 00-0131	EA	36" B&B Cornus sericea & cvs - Redosier Dogwood	57.91
32 93 33 00-0132	EA	48" B&B Cornus sericea & cvs - Redosier Dogwood	63.34
32 93 33 00-0133	EA	60" B&B Cornus sericea & cvs - Redosier Dogwood	70.57
32 93 33 00-0134	EA	5 Gallon Corylus americana - American Filbert	56.10
32 93 33 00-0135	EA	30" B&B Corylus americana - American Filbert	63.34
32 93 33 00-0136	EA	36" B&B Corylus americana - American Filbert	67.86
32 93 33 00-0137	EA	48" B&B Corylus americana - American Filbert	73.29
32 93 33 00-0138	EA	24" B&B Corylus avellana - Contorted Hazelnut	180.96
32 93 33 00-0139	EA	30" B&B Corylus avellana - Contorted Hazelnut	235.25
32 93 33 00-0140	EA	36" B&B Corylus avellana - Contorted Hazelnut	253.35
32 93 33 00-0141	EA	42" B&B Corylus avellana - Contorted Hazelnut	325.73
32 93 33 00-0142	EA	48" B&B Corylus avellana - Contorted Hazelnut	398.11
32 93 33 00-0143	EA	60" B&B Corylus avellana - Contorted Hazelnut	452.40
32 93 33 00-0144	EA	5' To 6' Cotinus coggygria - Smoke Tree	173.21
32 93 33 00-0145	EA	6' To 8' Cotinus coggygria - Smoke Tree	259.72
32 93 33 00-0146	EA	8' To 10' Cotinus coggygria - Smoke Tree	391.72
32 93 33 00-0147	EA	5 Gallon Cotoneaster acutifolia & cvs - Peking Cotoneaster	45.24
32 93 33 00-0148	EA	18" B&B Cotoneaster acutifolia & cvs - Peking Cotoneaster	45.24
32 93 33 00-0149	EA	24" B&B Cotoneaster acutifolia & cvs - Peking Cotoneaster	47.05
32 93 33 00-0150	EA	12" To 15" Spread Cotoneaster adpressus - Creeping Cotoneaster	43.35
32 93 33 00-0151	EA	3 Gallon Cotoneaster apiculata & cvs - Cranberry Cotoneaster	47.05
32 93 33 00-0152	EA	18" B&B Cotoneaster apiculata & cvs - Cranberry Cotoneaster	45.24
32 93 33 00-0153	EA	24" B&B Cotoneaster apiculata & cvs - Cranberry Cotoneaster	47.05
32 93 33 00-0154	EA	1 Gallon Cotoneaster divaricatus - Spreading Cotoneaster	18.66
32 93 33 00-0155	EA	2' To 3' Cotoneaster divaricatus - Spreading Cotoneaster	57.74
32 93 33 00-0156	EA	3' To 4' Cotoneaster divaricatus - Spreading Cotoneaster	77.96
32 93 33 00-0157	EA	4' To 5' Cotoneaster divaricatus - Spreading Cotoneaster	132.00
32 93 33 00-0158	EA	1 Gallon Cotoneaster glaucophyllus - Gray Leaf Cotoneaster	5.14
32 93 33 00-0159	EA	5 Gallon Cotoneaster glaucophyllus - Gray Leaf Cotoneaster	12.72
32 93 33 00-0160	EA	1 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster	18.66
32 93 33 00-0161	EA	2 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster	36.74
32 93 33 00-0162	EA	1 Gallon Cotoneaster lacteus - Red Clusterberry	5.14
32 93 33 00-0163	EA	5 Gallon Cotoneaster lacteus - Red Clusterberry	12.72
32 93 33 00-0164	EA	15 Gallon Cotoneaster lacteus - Red Clusterberry	50.48
32 93 33 00-0165	EA	1 Gallon Dendromecon harfordii - Island Bush Poppy	11.84
32 93 33 00-0166	EA	5 Gallon Dendromecon harfordii - Island Bush Poppy	29.59
32 93 33 00-0167	EA	18" B&B Deutzia gracilis - Slender Deutzia	46.15
32 93 33 00-0168	EA	24" B&B Deutzia gracilis - Slender Deutzia	50.67
32 93 33 00-0169	EA	30" B&B Deutzia gracilis - Slender Deutzia	65.15
32 93 33 00-0170	EA	36" B&B Deutzia gracilis - Slender Deutzia	76.00
32 93 33 00-0171	EA	42" B&B Deutzia gracilis - Slender Deutzia	86.86
32 93 33 00-0172	EA	24" B&B Diervilla sessilifolia - Southern Bush Honeysuckle	72.38



		Exterior Improvements	32
		Planting	32 90
		Plants	32 93

MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0173	EA	30" B&B Diervilla sessilifolia - Southern Bush Honeysuckle	86.86	
32 93 33 00-0174	EA	36" B&B Diervilla sessilifolia - Southern Bush Honeysuckle	101.34	
32 93 33 00-0175	EA	2 Gallon Diervilla splendens - Splendens Bush Honeysuckle	27.14	
32 93 33 00-0176	EA	36" B&B Diervilla splendens - Splendens Bush Honeysuckle	65.15	
32 93 33 00-0177	EA	48" B&B Diervilla splendens - Splendens Bush Honeysuckle	86.86	
32 93 33 00-0178	EA	5 Gallon Elaeagnus angustifolia - Russian Olive	12.72	
32 93 33 00-0179	EA	1 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry	5.14	
32 93 33 00-0180	EA	5 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry	12.72	
32 93 33 00-0181	EA	15 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry	50.48	
32 93 33 00-0182	EA	1 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry	5.14	
32 93 33 00-0183	EA	5 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry	12.72	
32 93 33 00-0184	EA	15 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry	50.48	
32 93 33 00-0185	EA	3' To 4' Elaeagnus umbellata - Autumn Olive	54.04	
32 93 33 00-0186	EA	4' To 5' Elaeagnus umbellata - Autumn Olive	74.26	
32 93 33 00-0187	EA	5' To 6' Elaeagnus umbellata - Autumn Olive	88.84	
32 93 33 00-0188	EA	3' To 4' Elaeagnus angustifolia - Russian Olive	86.51	
32 93 33 00-0189	EA	1 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia	5.14	
32 93 33 00-0190	EA	5 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia	12.72	
32 93 33 00-0191	EA	15 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia	50.48	
32 93 33 00-0192	EA	1 Gallon Euonymus - Gold Spot	15.55	
32 93 33 00-0193	EA	2 Gallon Euonymus - Gold Spot	32.66	
32 93 33 00-0194	EA	5 Gallon Euonymus - Gold Spot	44.91	
32 93 33 00-0195	EA	1 Gallon Euonymus alatus - Winged Euonymus	13.28	
32 93 33 00-0196	EA	3 Gallon Euonymus alatus - Winged Euonymus	38.29	
32 93 33 00-0197	EA	24" B&B Euonymus alatus - Winged Euonymus	51.61	
32 93 33 00-0198	EA	30" B&B Euonymus alatus - Winged Euonymus	64.51	
32 93 33 00-0199	EA	36" B&B Euonymus alatus - Winged Euonymus	88.65	
32 93 33 00-0200	EA	42" B&B Euonymus alatus - Winged Euonymus	109.46	
32 93 33 00-0201	EA	48" B&B Euonymus alatus - Winged Euonymus	129.03	
32 93 33 00-0202	EA	54" B&B Euonymus alatus - Winged Euonymus	166.48	
32 93 33 00-0203	EA	5 Gallon Euonymus alatus - Winged Euonymus	47.86	
32 93 33 00-0204	EA	60" B&B Euonymus alatus - Winged Euonymus	208.10	
32 93 33 00-0205	EA	30" B&B Euonymus alatus compactus - Compact Winged Euonymus	81.43	
32 93 33 00-0206	EA	36" B&B Euonymus alatus compactus - Compact Winged Euonymus	96.81	
32 93 33 00-0207	EA	42" B&B Euonymus alatus compactus - Compact Winged Euonymus	126.67	
32 93 33 00-0208	EA	48" B&B Euonymus alatus compactus - Compact Winged Euonymus	152.01	
32 93 33 00-0209	EA	60" B&B Euonymus alatus compactus - Compact Winged Euonymus	188.20	
32 93 33 00-0210	EA	18" To 24" Euonymus alatus - Winged Burning Bush	57.74	
32 93 33 00-0211	EA	2' To 2-1/2' Euonymus alatus - Winged Burning Bush	68.04	
32 93 33 00-0212	EA	2-1/2' To 3' Euonymus alatus - Winged Burning Bush	92.92	
32 93 33 00-0213	EA	3' To 3-1/2' Euonymus alatus - Winged Burning Bush	111.39	
32 93 33 00-0214	EA	3-1/2' To 4' Euonymus alatus - Winged Burning Bush	140.16	
32 93 33 00-0215	EA	4' To 5' Euonymus alatus - Winged Burning Bush	197.90	
32 93 33 00-0216	EA	5' To 6' Euonymus alatus - Winged Burning Bush	247.47	
32 93 33 00-0217	EA	6' To 8' Euonymus alatus - Winged Burning Bush	288.69	
32 93 33 00-0218	EA	15" To 18" Euonymus alatus - Dwarf Winged Burning Bush	57.74	
32 93 33 00-0219	EA	18" To 24" Euonymus alatus - Dwarf Winged Burning Bush	65.90	
32 93 33 00-0220	EA	2' To 2-1/2' Euonymus alatus - Dwarf Winged Burning Bush	80.48	
32 93 33 00-0221	EA	2-1/2' To 3' Euonymus alatus - Dwarf Winged Burning Bush	113.53	
32 93 33 00-0222	EA	3' To 3-1/2' Euonymus alatus - Dwarf Winged Burning Bush	134.14	
32 93 33 00-0223	EA	3-1/2' To 4' Euonymus alatus - Dwarf Winged Burning Bush	160.77	
32 93 33 00-0224	EA	4' To 5' Euonymus alatus - Dwarf Winged Burning Bush	226.87	
32 93 33 00-0225	EA	5' To 6' Euonymus alatus - Dwarf Winged Burning Bush	268.08	
32 93 33 00-0226	EA	36" B&B Euonymus atropurpurea - Eastern Wahoo	48.86	
32 93 33 00-0227	EA	1 Gallon Euonymus fortunei - Wintercreeper	18.66	
32 93 33 00-0228	EA	2 Gallon Euonymus fortunei - Wintercreeper	36.74	
32 93 33 00-0229	EA	3 Gallon Euonymus fortunei - Wintercreeper	44.91	
32 93 33 00-0230	EA	5 Gallon Euonymus fortunei - Wintercreeper	53.27	
32 93 33 00-0231	EA	1 Gallon Euonymus japonicus - Evergreen Spindle	5.14	
32 93 33 00-0232	EA	5 Gallon Euonymus japonicus - Evergreen Spindle	12.72	
32 93 33 00-0233	EA	15 Gallon Euonymus japonicus - Evergreen Spindle	50.48	
32 93 33 00-0234	EA	2' To 3' Forsythia - Korean Forsythia	41.21	
32 93 33 00-0235	EA	3' To 4' Forsythia - Korean Forsythia	52.10	
32 93 33 00-0236	EA	4' To 5' Forsythia - Korean Forsythia	64.93	
32 93 33 00-0237	EA	30" B&B Forsythia cvs - Forsythia cultivars	41.62	
32 93 33 00-0238	EA	36" B&B Forsythia cvs - Forsythia cultivars	46.15	
32 93 33 00-0239	EA	48" B&B Forsythia cvs - Forsythia cultivars	49.76	
32 93 33 00-0240	EA	18" B&B Forsythia viridissima & cvs - Green Forsythia	43.43	
32 93 33 00-0241	EA	24" B&B Forsythia viridissima & cvs - Green Forsythia	57.91	
32 93 33 00-0242	EA	24" B&B Forsythia x intermedia & cvs - Border Forsythia	43.43	
32 93 33 00-0243	EA	30" B&B Forsythia x intermedia & cvs - Border Forsythia	50.67	
32 93 33 00-0244	EA	36" B&B Forsythia x intermedia & cvs - Border Forsythia	59.72	
32 93 33 00-0245	EA	42" B&B Forsythia x intermedia & cvs - Border Forsythia	68.76	
32 93 33 00-0246	EA	48" B&B Forsythia x intermedia & cvs - Border Forsythia	79.62	
32 93 33 00-0247	EA	2 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	61.53	
32 93 33 00-0248	EA	3 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	85.96	
32 93 33 00-0249	EA	5 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	90.48	
32 93 33 00-0250	EA	15" B&B Fothergilla gardenii & cvs - Dwarf Fothergilla	94.10	
32 93 33 00-0251	EA	18" B&B Fothergilla gardenii & cvs - Dwarf Fothergilla	101.34	
32 93 33 00-0252	EA	24" B&B Fothergilla gardenii & cvs - Dwarf Fothergilla	123.05	
32 93 33 00-0253	EA	24" B&B Fothergilla major - Large Fothergilla	159.25	

32 Exterior Improvements

32 90 Planting

32 93 Plants



MINOR	DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
32 93 33 00-0254	EA	30" B&B Fothergilla major - Large Fothergilla.....	180.96	
32 93 33 00-0255	EA	1 Gallon Gardenia jasminoides - Cape Jasmine.....	13.41	
32 93 33 00-0256	EA	3 Gallon Gardenia jasminoides - Cape Jasmine.....	35.19	
32 93 33 00-0257	EA	5 Gallon Gardenia jasminoides - Cape Jasmine.....	44.91	
32 93 33 00-0258	EA	1 Gallon Grevillea 'Noellii' - Noel's Grevillea.....	5.14	
32 93 33 00-0259	EA	5 Gallon Grevillea 'Noellii' - Noel's Grevillea.....	12.72	
32 93 33 00-0260	EA	15 Gallon Grevillea 'Noellii' - Noel's Grevillea.....	50.48	
32 93 33 00-0261	EA	36" B&B Hamamelis vernalis & cvs - Vernal Witchhazel.....	126.67	
32 93 33 00-0262	EA	48" B&B Hamamelis vernalis & cvs - Vernal Witchhazel.....	206.30	
32 93 33 00-0263	EA	60" B&B Hamamelis vernalis & cvs - Vernal Witchhazel.....	260.58	
32 93 33 00-0264	EA	72" B&B Hamamelis vernalis & cvs - Vernal Witchhazel.....	398.11	
32 93 33 00-0265	EA	84" B&B Hamamelis vernalis & cvs - Vernal Witchhazel.....	452.40	
32 93 33 00-0266	EA	1 Gallon Hedychiium gartdnerum - Variegated Ginger.....	7.70	
32 93 33 00-0267	EA	3 Gallon Hedychiium gartdnerum - Variegated Ginger.....	27.05	
32 93 33 00-0268	EA	5 Gallon Hedychiium gartdnerum - Variegated Ginger.....	52.03	
32 93 33 00-0269	EA	1 Gallon Hibiscus rosa-sinensis - Hibiscus.....	19.73	
32 93 33 00-0270	EA	3 Gallon Hibiscus rosa-sinensis - Hibiscus.....	33.30	
32 93 33 00-0271	EA	5 Gallon Hibiscus rosa-sinensis - Hibiscus.....	50.36	
32 93 33 00-0272	EA	5 Gallon Hibiscus syriacus - Rose Of Sharon.....	52.10	
32 93 33 00-0273	EA	2' To 3' Hibiscus syriacus - Rose Of Sharon.....	44.32	
32 93 33 00-0274	EA	3' To 4' Hibiscus syriacus - Rose Of Sharon.....	59.88	
32 93 33 00-0275	EA	4' To 5' Hibiscus syriacus - Rose Of Sharon.....	86.51	
32 93 33 00-0276	EA	5' To 6' Hibiscus syriacus - Rose Of Sharon.....	119.56	
32 93 33 00-0277	EA	2 Gallon Hydrangea - Blue Hydrangea.....	36.74	
32 93 33 00-0278	EA	5 Gallon Hydrangea - Blue Hydrangea.....	51.71	
32 93 33 00-0279	EA	2' To 3' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea.....	57.74	
32 93 33 00-0280	EA	3' To 4' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea.....	65.90	
32 93 33 00-0281	EA	2 Gallon Hydrangea quercifolia - Oakleaf Hydrangea.....	36.74	
32 93 33 00-0282	EA	5 Gallon Hydrangea arborescens & cvs - Smooth Hydrangea.....	63.34	
32 93 33 00-0283	EA	30" B&B Hydrangea arborescens & cvs - Smooth Hydrangea.....	68.76	
32 93 33 00-0284	EA	36" B&B Hydrangea arborescens & cvs - Smooth Hydrangea.....	79.62	
32 93 33 00-0285	EA	4 Gallon Hydrangea macrophylla & cvs - Bigleaf Hydrangea.....	83.24	
32 93 33 00-0286	EA	18" B&B Hydrangea macrophylla & cvs - Bigleaf Hydrangea.....	65.15	
32 93 33 00-0287	EA	24" B&B Hydrangea macrophylla & cvs - Bigleaf Hydrangea.....	86.86	
32 93 33 00-0288	EA	3 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea.....	38.00	
32 93 33 00-0289	EA	5 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea.....	45.24	
32 93 33 00-0290	EA	18" B&B Hydrangea paniculata & cvs - Panicle Hydrangea.....	38.91	
32 93 33 00-0291	EA	24" B&B Hydrangea paniculata & cvs - Panicle Hydrangea.....	41.62	
32 93 33 00-0292	EA	30" B&B Hydrangea paniculata & cvs - Panicle Hydrangea.....	47.05	
32 93 33 00-0293	EA	36" B&B Hydrangea paniculata & cvs - Panicle Hydrangea.....	54.29	
32 93 33 00-0294	EA	48" B&B Hydrangea paniculata & cvs - Panicle Hydrangea.....	72.38	
32 93 33 00-0295	EA	18" B&B Hydrangea quercifolia & cvs - Oakleaf Hydrangea.....	52.48	
32 93 33 00-0296	EA	24" B&B Hydrangea quercifolia & cvs - Oakleaf Hydrangea.....	59.72	
32 93 33 00-0297	EA	30" B&B Hydrangea quercifolia & cvs - Oakleaf Hydrangea.....	70.57	
32 93 33 00-0298	EA	2 Gallon Hypericum kalmianun - St. John's Wort.....	36.74	
32 93 33 00-0299	EA	3 Gallon Hypericum kalmianun - Kalm St. John's Wort.....	43.43	
32 93 33 00-0300	EA	24" B&B Hypericum kalmianun - Kalm St. John's Wort.....	47.05	
32 93 33 00-0301	EA	1 Gallon Ilex "Carissa" - Holly.....	18.66	
32 93 33 00-0302	EA	2 Gallon Ilex "Carissa" - Holly.....	36.74	
32 93 33 00-0303	EA	5 Gallon Ilex "Carissa" - Holly.....	51.71	
32 93 33 00-0304	EA	18" To 24" Ilex - Gulf tide Sweet Holly.....	49.57	
32 93 33 00-0305	EA	2' To 2-1/2' Ilex - Gulf tide Sweet Holly.....	62.79	
32 93 33 00-0306	EA	2-1/2' To 3' Ilex - Gulf tide Sweet Holly.....	81.45	
32 93 33 00-0307	EA	3' To 3-1/2' Ilex - Gulf tide Sweet Holly.....	98.95	
32 93 33 00-0308	EA	3 Gallon Ilex cornuta - Dwarf Horned Holly.....	37.03	
32 93 33 00-0309	EA	1 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly.....	18.66	
32 93 33 00-0310	EA	2 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly.....	36.74	
32 93 33 00-0311	EA	5 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly.....	53.27	
32 93 33 00-0312	EA	1 Gallon Ilex crenata - Hellers Japanese Holly.....	18.66	
32 93 33 00-0313	EA	2 Gallon Ilex crenata - Hellers Japanese Holly.....	40.83	
32 93 33 00-0314	EA	3 Gallon Ilex crenata - Hellers Japanese Holly.....	53.27	
32 93 33 00-0315	EA	2 Gallon Ilex crenata - Hetzi Japanese Holly.....	40.82	
32 93 33 00-0316	EA	3 Gallon Ilex crenata - Hetzi Japanese Holly.....	49.18	
32 93 33 00-0317	EA	2' To 3' Ilex crenata - Hetzi Japanese Holly.....	98.95	
32 93 33 00-0318	EA	3' To 4' Ilex crenata - Hetzi Japanese Holly.....	132.00	
32 93 33 00-0319	EA	2' To 3' Ilex opaca - American Holly.....	132.00	
32 93 33 00-0320	EA	3' To 4' Ilex opaca - American Holly.....	218.51	
32 93 33 00-0321	EA	4' To 5' Ilex opaca - American Holly.....	280.33	
32 93 33 00-0322	EA	5' To 6' Ilex opaca - American Holly.....	338.06	
32 93 33 00-0323	EA	6' To 7' Ilex opaca - American Holly.....	474.15	
32 93 33 00-0324	EA	7' To 8' Ilex opaca - American Holly.....	659.80	
32 93 33 00-0325	EA	8' To 10' Ilex opaca - American Holly.....	948.29	
32 93 33 00-0326	EA	10' To 12' Ilex opaca - American Holly.....	1,443.24	
32 93 33 00-0327	EA	12' To 14' Ilex opaca - American Holly.....	1,752.34	
32 93 33 00-0328	EA	14' To 16' Ilex opaca - American Holly.....	2,164.67	
32 93 33 00-0329	EA	2' To 3' Ilex verticillata - Winterberry (Female).....	132.00	
32 93 33 00-0330	EA	3' To 4' Ilex verticillata - Winterberry (Female).....	173.21	
32 93 33 00-0331	EA	2' To 3' Ilex verticillata - Winterberry (Male).....	107.12	
32 93 33 00-0332	EA	3' To 4' Ilex verticillata - Winterberry (Male).....	148.52	
32 93 33 00-0333	EA	4' To 5' Ilex verticillata - Winterberry (Male).....	173.21	
32 93 33 00-0334	EA	1 Gallon Ilex vomitoria - Yaupon Holly.....	17.50	



Exterior Improvements 32

Planting 32 90

Plants 32 93

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0335	EA	3	Gallon Ilex vomitoria - Yaupon Holly	35.19	
32 93 33 00-0336	EA	10	Gallon Ilex vomitoria - Yaupon Holly	123.64	
32 93 33 00-0337	EA	18"	B&B Ilex glabra compacta & cvs - Compact Inkberry Holly	56.10	
32 93 33 00-0338	EA	24"	B&B Ilex glabra compacta & cvs - Compact Inkberry Holly	63.34	
32 93 33 00-0339	EA	3	Gallon Ilex meserveae & cvs - Blue Holly	72.38	
32 93 33 00-0340	EA	18"	B&B Ilex meserveae & cvs - Blue Holly	66.96	
32 93 33 00-0341	EA	24"	B&B Ilex meserveae & cvs - Blue Holly	81.43	
32 93 33 00-0342	EA	5	Gallon Ilex verticillata & cvs - Common Winterberry	59.72	
32 93 33 00-0343	EA	24"	B&B Ilex verticillata & cvs - Common Winterberry	59.72	
32 93 33 00-0344	EA	30"	B&B Ilex verticillata & cvs - Common Winterberry	63.34	
32 93 33 00-0345	EA	36"	B&B Ilex verticillata & cvs - Common Winterberry	76.00	
32 93 33 00-0346	EA	42"	B&B Ilex verticillata & cvs - Common Winterberry	85.05	
32 93 33 00-0347	EA	48"	B&B Ilex verticillata & cvs - Common Winterberry	90.48	
32 93 33 00-0348	EA	60"	B&B Ilex verticillata & cvs - Common Winterberry	115.82	
32 93 33 00-0349	EA	4'	To 5' Ilex x attenuata "Foster" - Holly	214.43	
32 93 33 00-0350	EA	5'	To 6' Ilex x attenuata "Foster" - Holly	284.41	
32 93 33 00-0351	EA	6'	To 7' Ilex x attenuata "Foster" - Holly	254.47	
32 93 33 00-0352	EA	7'	To 8' Ilex x attenuata "Foster" - Holly	494.75	
32 93 33 00-0353	EA	1	Gallon Jasimnum - Jasmine	4.79	
32 93 33 00-0354	EA	3	Gallon Jasimnum - Jasmine	18.73	
32 93 33 00-0355	EA	3	Gallon Jasimnum - Orange Jasmine	14.57	
32 93 33 00-0356	EA	4'	- 5' Jasimnum - Orange Jasmine	166.48	
32 93 33 00-0357	EA	6'	- 7' Jasimnum - Orange Jasmine	332.97	
32 93 33 00-0358	EA	8'	- 10' Jasimnum - Orange Jasmine	449.51	
32 93 33 00-0359	EA	3	Gallon Juniperus chinensis cvs - Chinese Juniper	63.34	
32 93 33 00-0360	EA	5	Gallon Juniperus chinensis cvs - Chinese Juniper	70.57	
32 93 33 00-0361	EA	18"	B&B Juniperus chinensis cvs - Chinese Juniper	94.10	
32 93 33 00-0362	EA	24"	B&B Juniperus chinensis cvs - Chinese Juniper	123.05	
32 93 33 00-0363	EA	30"	B&B Juniperus chinensis cvs - Chinese Juniper	144.77	
32 93 33 00-0364	EA	36"	B&B Juniperus chinensis cvs - Chinese Juniper	195.44	
32 93 33 00-0365	EA	48"	B&B Juniperus chinensis cvs - Chinese Juniper	267.82	
32 93 33 00-0366	EA	1	Gallon Juniperus horizontalis cvs - Creeping Juniper	30.18	
32 93 33 00-0367	EA	3	Gallon Juniperus horizontalis cvs - Creeping Juniper	63.34	
32 93 33 00-0368	EA	5	Gallon Juniperus horizontalis cvs - Creeping Juniper	70.57	
32 93 33 00-0369	EA	15"	B&B Juniperus horizontalis cvs - Creeping Juniper	76.00	
32 93 33 00-0370	EA	18"	B&B Juniperus horizontalis cvs - Creeping Juniper	83.24	
32 93 33 00-0371	EA	24"	B&B Juniperus horizontalis cvs - Creeping Juniper	101.34	
32 93 33 00-0372	EA	30"	B&B Juniperus horizontalis cvs - Creeping Juniper	123.05	
32 93 33 00-0373	EA	3	Gallon Juniperus procumbens cvs - Japanese Garden Juniper	48.86	
32 93 33 00-0374	EA	18"	B&B Juniperus procumbens cvs - Japanese Garden Juniper	57.91	
32 93 33 00-0375	EA	24"	B&B Juniperus procumbens cvs - Japanese Garden Juniper	79.62	
32 93 33 00-0376	EA	30"	B&B Juniperus procumbens cvs - Japanese Garden Juniper	101.34	
32 93 33 00-0377	EA	36"	B&B Juniperus procumbens cvs - Japanese Garden Juniper	123.05	
32 93 33 00-0378	EA	3	Gallon Juniperus sabina cvs - Savin Juniper	45.24	
32 93 33 00-0379	EA	5	Gallon Juniperus sabina cvs - Savin Juniper	54.29	
32 93 33 00-0380	EA	4	Gallon Juniperus virginiana cvs - Red Cedar Juniper	47.05	
32 93 33 00-0381	EA	36"	B&B Juniperus virginiana cvs - Red Cedar Juniper	90.48	
32 93 33 00-0382	EA	48"	B&B Juniperus virginiana cvs - Red Cedar Juniper	141.15	
32 93 33 00-0383	EA	60"	B&B Juniperus virginiana cvs - Red Cedar Juniper	177.34	
32 93 33 00-0384	EA	15"	To 18" Kalmia latifolia - Mountain Laurel	74.26	
32 93 33 00-0385	EA	18"	To 24" Kalmia latifolia - Mountain Laurel	98.95	
32 93 33 00-0386	EA	2'	To 3' Kalmia latifolia - Mountain Laurel	144.25	
32 93 33 00-0387	EA	4'	To 5' Kalmia latifolia - Mountain Laurel	263.80	
32 93 33 00-0388	EA	5'	To 6' Kalmia latifolia - Mountain Laurel	404.16	
32 93 33 00-0389	EA	6'	To 8' Kalmia latifolia - Mountain Laurel	618.59	
32 93 33 00-0390	EA	1	Gallon Kerria japonica - Kerria	16.52	
32 93 33 00-0391	EA	5	Gallon Kerria japonica - Kerria	51.71	
32 93 33 00-0392	EA	24"	B&B Kolkwitzia amabilis & cvs - Beautybush	52.48	
32 93 33 00-0393	EA	30"	B&B Kolkwitzia amabilis & cvs - Beautybush	59.72	
32 93 33 00-0394	EA	36"	B&B Kolkwitzia amabilis & cvs - Beautybush	65.15	
32 93 33 00-0395	EA	42"	B&B Kolkwitzia amabilis & cvs - Beautybush	76.00	
32 93 33 00-0396	EA	48"	B&B Kolkwitzia amabilis & cvs - Beautybush	86.86	
32 93 33 00-0397	EA	60"	B&B Kolkwitzia amabilis & cvs - Beautybush	108.58	
32 93 33 00-0398	EA	1	Gallon Lagerstroemia indica - Crape Myrtle	12.44	
32 93 33 00-0399	EA	5	Gallon Lagerstroemia indica - Crape Myrtle	44.32	
32 93 33 00-0400	EA	3'	To 4' Lagerstroemia indica - Crape Myrtle	61.82	
32 93 33 00-0401	EA	4'	To 5' Lagerstroemia indica - Crape Myrtle	90.79	
32 93 33 00-0402	EA	5'	To 6' Lagerstroemia indica - Crape Myrtle	144.25	
32 93 33 00-0403	EA	7'	To 8' Lagerstroemia indica - Crape Myrtle	187.29	
32 93 33 00-0404	EA	9'	To 10' Lagerstroemia indica - Crape Myrtle	249.73	
32 93 33 00-0405	EA	11'	To 12' Lagerstroemia indica - Crape Myrtle	520.26	
32 93 33 00-0406	EA	1	Gallon Leucothoe axillaris - Coast Leucothoe	18.66	
32 93 33 00-0407	EA	2	Gallon Leucothoe axillaris - Coast Leucothoe	40.83	
32 93 33 00-0408	EA	3	Gallon Leucothoe axillaris - Coast Leucothoe	49.18	
32 93 33 00-0409	EA	1	Gallon Ligustrum lucidum - Glossy Privet	11.47	
32 93 33 00-0410	EA	5	Gallon Ligustrum lucidum - Glossy Privet	35.19	
32 93 33 00-0411	EA	15	Gallon Ligustrum lucidum - Glossy Privet	164.85	
32 93 33 00-0412	EA	1	Gallon Ligustrum sinense - Variegated Chinese Privet	11.47	
32 93 33 00-0413	EA	2	Gallon Ligustrum sinense - Variegated Chinese Privet	24.69	
32 93 33 00-0414	EA	3	Gallon Ligustrum sinense - Variegated Chinese Privet	32.08	
32 93 33 00-0415	EA	36"	B&B Ligustrum vulgare & cvs - Common Privet	54.29	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0416	EA	48"	B&B Ligustrum vulgare & cvs - Common Privet	79.62	
32 93 33 00-0417	EA	60"	B&B Ligustrum vulgare & cvs - Common Privet	101.34	
32 93 33 00-0418	EA	72"	B&B Ligustrum vulgare & cvs - Common Privet	115.82	
32 93 33 00-0419	EA	5	Gallon Lindera benzoin - Spicebush	59.72	
32 93 33 00-0420	EA	36"	B&B Lindera benzoin - Spicebush	50.67	
32 93 33 00-0421	EA	48"	B&B Lindera benzoin - Spicebush	61.53	
32 93 33 00-0422	EA	2' To 3'	Lonicera fragrantissima - Winter Honeysuckle	98.95	
32 93 33 00-0423	EA	3' To 4'	Lonicera fragrantissima - Winter Honeysuckle	119.56	
32 93 33 00-0424	EA	30"	B&B Lonicera tatarica & cvs - Tatarian Honeysuckle	54.29	
32 93 33 00-0425	EA	36"	B&B Lonicera tatarica & cvs - Tatarian Honeysuckle	65.15	
32 93 33 00-0426	EA	42"	B&B Lonicera tatarica & cvs - Tatarian Honeysuckle	72.38	
32 93 33 00-0427	EA	48"	B&B Lonicera tatarica & cvs - Tatarian Honeysuckle	79.62	
32 93 33 00-0428	EA	1	Gallon Myrica cerifera - Wax Myrtle	10.41	
32 93 33 00-0429	EA	4	Gallon Myrica cerifera - Wax Myrtle	33.30	
32 93 33 00-0430	EA	7	Gallon Myrica cerifera - Wax Myrtle	72.84	
32 93 33 00-0431	EA	10	Gallon Myrica cerifera - Wax Myrtle	108.21	
32 93 33 00-0432	EA	15	Gallon Myrica cerifera - Wax Myrtle	166.48	
32 93 33 00-0433	EA	45	Gallon Myrica cerifera - Wax Myrtle	499.45	
32 93 33 00-0434	EA	1' - 2'	Myrica cerifera - Wax Myrtle	14.57	
32 93 33 00-0435	EA	3' - 4'	Myrica cerifera - Wax Myrtle	49.95	
32 93 33 00-0436	EA	5' - 6'	Myrica cerifera - Wax Myrtle	91.57	
32 93 33 00-0437	EA	7' - 8'	Myrica cerifera - Wax Myrtle	124.86	
32 93 33 00-0438	EA	9' - 10'	Myrica cerifera - Wax Myrtle	166.48	
32 93 33 00-0439	EA	11' - 12'	Myrica cerifera - Wax Myrtle	253.89	
32 93 33 00-0440	EA	3	Gallon Myrica pensylvanica - Northern Bayberry	54.29	
32 93 33 00-0441	EA	24"	B&B Myrica pensylvanica - Northern Bayberry	88.67	
32 93 33 00-0442	EA	30"	B&B Myrica pensylvanica - Northern Bayberry	130.29	
32 93 33 00-0443	EA	36"	B&B Myrica pensylvanica - Northern Bayberry	155.63	
32 93 33 00-0444	EA	48"	B&B Myrica pensylvanica - Northern Bayberry	162.86	
32 93 33 00-0445	EA	1	Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	5.14	
32 93 33 00-0446	EA	5	Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	12.72	
32 93 33 00-0447	EA	15	Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	50.48	
32 93 33 00-0448	EA	1	Gallon Nandina domestica - Heavenly Bamboo	18.66	
32 93 33 00-0449	EA	2	Gallon Nandina domestica - Heavenly Bamboo	40.83	
32 93 33 00-0450	EA	5	Gallon Nandina domestica - Heavenly Bamboo	61.82	
32 93 33 00-0451	EA	15	Gallon Nerium oleander - Oleander	55.24	
32 93 33 00-0452	EA	24"	Box Nerium oleander - Oleander	198.51	
32 93 33 00-0453	EA	1	Gallon Osmanthus fragrans - Fragrant Tea Olive	11.47	
32 93 33 00-0454	EA	3	Gallon Osmanthus fragrans - Fragrant Tea Olive	31.10	
32 93 33 00-0455	EA	1	Gallon Philadelphus - Evergreen Mockorange	15.94	
32 93 33 00-0456	EA	5	Gallon Philadelphus - Evergreen Mockorange	51.71	
32 93 33 00-0457	EA	36"	B&B Philadelphus x virginialis & cvs - Mockorange	54.29	
32 93 33 00-0458	EA	42"	B&B Philadelphus x virginialis & cvs - Mockorange	63.34	
32 93 33 00-0459	EA	48"	B&B Philadelphus x virginialis & cvs - Mockorange	72.38	
32 93 33 00-0460	EA	1	Gallon Photinia fraseri - Red-Tipped Photinia	5.14	
32 93 33 00-0461	EA	5	Gallon Photinia fraseri - Red-Tipped Photinia	12.72	
32 93 33 00-0462	EA	15	Gallon Photinia fraseri - Red-Tipped Photinia	50.48	
32 93 33 00-0463	EA	1	Gallon Phormium tenax - New Zealand Flax	5.42	
32 93 33 00-0464	EA	5	Gallon Phormium tenax - New Zealand Flax	12.99	
32 93 33 00-0465	EA	15	Gallon Phormium tenax - New Zealand Flax	55.24	
32 93 33 00-0466	EA	24"	B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	54.29	
32 93 33 00-0467	EA	30"	B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	63.34	
32 93 33 00-0468	EA	36"	B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	72.38	
32 93 33 00-0469	EA	42"	B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	90.48	
32 93 33 00-0470	EA	48"	B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	108.58	
32 93 33 00-0471	EA	12" To 15"	Spread Pieris - Mountain Andromeda	49.96	
32 93 33 00-0472	EA	15" To 18"	Spread Pieris - Mountain Andromeda	107.12	
32 93 33 00-0473	EA	12" To 15"	Pieris japonica - Japanese Andromeda	64.93	
32 93 33 00-0474	EA	15" To 18"	Pieris japonica - Japanese Andromeda	74.26	
32 93 33 00-0475	EA	18" To 24"	Pieris japonica - Japanese Andromeda	92.92	
32 93 33 00-0476	EA	2' To 2-1/2'	Pieris japonica - Japanese Andromeda	132.00	
32 93 33 00-0477	EA	2-1/2' To 3'	Pieris japonica - Japanese Andromeda	156.69	
32 93 33 00-0478	EA	24"	B&B Pinus mugo & cvs - Mugo Pine	90.48	
32 93 33 00-0479	EA	30"	B&B Pinus mugo & cvs - Mugo Pine	115.82	
32 93 33 00-0480	EA	36"	B&B Pinus mugo & cvs - Mugo Pine	139.34	
32 93 33 00-0481	EA	48"	B&B Pinus mugo & cvs - Mugo Pine	179.15	
32 93 33 00-0482	EA	60"	B&B Pinus mugo & cvs - Mugo Pine	215.34	
32 93 33 00-0483	EA	72"	B&B Pinus mugo & cvs - Mugo Pine	314.87	
32 93 33 00-0484	EA	30"	B&B Pinus mugo compacta - Dwarf Mugo Pine	195.44	
32 93 33 00-0485	EA	36"	B&B Pinus mugo compacta - Dwarf Mugo Pine	235.25	
32 93 33 00-0486	EA	48"	B&B Pinus mugo compacta - Dwarf Mugo Pine	313.06	
32 93 33 00-0487	EA	1	Gallon Pittosporum - Pittosporum	6.87	
32 93 33 00-0488	EA	3	Gallon Pittosporum - Pittosporum	17.69	
32 93 33 00-0489	EA	1	Gallon Pittosporum - Varigated Pittosporum	6.87	
32 93 33 00-0490	EA	3	Gallon Pittosporum - Varigated Pittosporum	17.69	
32 93 33 00-0491	EA	5	Gallon Pittosporum - Varigated Pittosporum	31.01	
32 93 33 00-0492	EA	1	Gallon Pittosporum eugenoides - Lemonwood	5.91	
32 93 33 00-0493	EA	5	Gallon Pittosporum eugenoides - Lemonwood	13.99	
32 93 33 00-0494	EA	1	Gallon Pittosporum tobira - Japanese Pittosporum	5.14	
32 93 33 00-0495	EA	5	Gallon Pittosporum tobira - Japanese Pittosporum	12.72	
32 93 33 00-0496	EA	15	Gallon Pittosporum tobira - Japanese Pittosporum	50.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0497 EA 2 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	30.76	
32 93 33 00-0498 EA 5 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	43.43	
32 93 33 00-0499 EA 18" B&B Potentilla fruticosa & cvs - Bush Cinquefoil	32.57	
32 93 33 00-0500 EA 24" B&B Potentilla fruticosa & cvs - Bush Cinquefoil	36.19	
32 93 33 00-0501 EA 30" B&B Potentilla fruticosa & cvs - Bush Cinquefoil	52.48	
32 93 33 00-0502 EA 36" B&B Potentilla fruticosa & cvs - Bush Cinquefoil	60.62	
32 93 33 00-0503 EA 1 Gallon Prunus caroliniana - Carolina Cherry Laurel.....	12.44	
32 93 33 00-0504 EA 3 Gallon Prunus caroliniana - Carolina Cherry Laurel.....	31.10	
32 93 33 00-0505 EA 15 Gallon Prunus caroliniana - Carolina Cherry Laurel.....	185.46	
32 93 33 00-0506 EA 15" To 18" Prunus laurocerasus - Cherry Laurel	47.43	
32 93 33 00-0507 EA 18" To 24" Prunus laurocerasus - Cherry Laurel	58.71	
32 93 33 00-0508 EA 24" To 30" Prunus laurocerasus - Cherry Laurel	76.40	
32 93 33 00-0509 EA 15" To 18" Prunus triloba - Double White Flowering Almond.....	42.38	
32 93 33 00-0510 EA 18" To 24" Prunus triloba - Double White Flowering Almond.....	54.24	
32 93 33 00-0511 EA 3' To 4' Prunus triloba - Double White Flowering Almond.....	86.51	
32 93 33 00-0512 EA 4' To 6' Prunus triloba - Double White Flowering Almond.....	173.21	
32 93 33 00-0513 EA 5 Gallon Prunus triloba - Pink Flowering Almond.....	52.10	
32 93 33 00-0514 EA 18" To 24" Prunus triloba - Pink Flowering Almond	58.52	
32 93 33 00-0515 EA 2' To 3' Prunus triloba - Pink Flowering Almond	68.04	
32 93 33 00-0516 EA 2' To 3' Prunus virginiana - Brilliant Chokeberry	46.27	
32 93 33 00-0517 EA 3' To 4' Prunus virginiana - Brilliant Chokeberry	56.77	
32 93 33 00-0518 EA 4' To 5' Prunus virginiana - Brilliant Chokeberry	68.04	
32 93 33 00-0519 EA 5' To 6' Prunus virginiana - Brilliant Chokeberry	77.96	
32 93 33 00-0520 EA 1 Gallon Punica granatum - Dwarf Pomegranate	12.25	
32 93 33 00-0521 EA 3 Gallon Punica granatum - Dwarf Pomegranate	36.16	
32 93 33 00-0522 EA 7 Gallon Punica granatum - Dwarf Pomegranate	74.26	
32 93 33 00-0523 EA 1 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha.....	15.55	
32 93 33 00-0524 EA 5 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha.....	51.71	
32 93 33 00-0525 EA 5 Gallon Espalier Pyracantha koidzumi "Santa Cruz" - Pyracantha.....	107.12	
32 93 33 00-0526 EA 1 Gallon Ralphiopsis indica - Indian Hawthorne	12.44	
32 93 33 00-0527 EA 2 Gallon Ralphiopsis indica - Indian Hawthorne	23.72	
32 93 33 00-0528 EA 5 Gallon Ralphiopsis indica - Indian Hawthorne	42.19	
32 93 33 00-0529 EA 1 Gallon Rhamnus californica - Coffeeferry.....	18.91	
32 93 33 00-0530 EA 5 Gallon Rhamnus californica - Coffeeferry.....	54.08	
32 93 33 00-0531 EA 15 Gallon Rhamnus californica - Coffeeferry.....	162.29	
32 93 33 00-0532 EA 4' To 5' Rhamnus frangula "Columnaris" - Tallhedge	94.87	
32 93 33 00-0533 EA 5' To 6' Rhamnus frangula "Columnaris" - Tallhedge	130.05	
32 93 33 00-0534 EA 6' To 8' Rhamnus frangula "Columnaris" - Tallhedge	169.13	
32 93 33 00-0535 EA 10' To 12' Rhamnus frangula "Columnaris" - Tallhedge.....	309.29	
32 93 33 00-0536 EA 1 Gallon Ralphiopsis indica 'Ballerina' - Ballerina Indian Hawthorn	5.47	
32 93 33 00-0537 EA 5 Gallon Ralphiopsis indica 'Ballerina' - Ballerina Indian Hawthorn	12.99	
32 93 33 00-0538 EA 15 Gallon Ralphiopsis indica 'Ballerina' - Ballerina Indian Hawthorn	55.24	
32 93 33 00-0539 EA 1 Gallon Rhododendron - Azalea Evergreen Hybrids	20.22	
32 93 33 00-0540 EA 2 Gallon Rhododendron - Azalea Evergreen Hybrids.....	40.82	
32 93 33 00-0541 EA 3 Gallon Rhododendron - Azalea Evergreen Hybrids.....	53.27	
32 93 33 00-0542 EA 5 Gallon Rhododendron - Azalea Evergreen Hybrids.....	61.82	
32 93 33 00-0543 EA 15" To 18" Rhododendron - Azalea Evergreen Hybrids.....	72.32	
32 93 33 00-0544 EA 18" To 24" Rhododendron - Azalea Evergreen Hybrids.....	90.79	
32 93 33 00-0545 EA 2' To 2-1/2' Rhododendron - Azalea Evergreen Hybrids.....	132.00	
32 93 33 00-0546 EA 2-1/2' To 3' Rhododendron - Azalea Evergreen Hybrids.....	185.46	
32 93 33 00-0547 EA 1 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	22.74	
32 93 33 00-0548 EA 2 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	40.82	
32 93 33 00-0549 EA 15' To 18' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	70.18	
32 93 33 00-0550 EA 18" To 24" Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	90.79	
32 93 33 00-0551 EA 2' To 3' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	132.00	
32 93 33 00-0552 EA 3' To 4' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	193.82	
32 93 33 00-0553 EA 4' To 5' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	259.72	
32 93 33 00-0554 EA 5 Gallon Rhododendron - Boxleaf Azara	51.71	
32 93 33 00-0555 EA 15 Gallon Rhododendron - Boxleaf Azara	185.46	
32 93 33 00-0556 EA 15" To 18" Rhododendron - Carolina Rhododendron	58.52	
32 93 33 00-0557 EA 18" To 24" Rhododendron - Carolina Rhododendron	103.03	
32 93 33 00-0558 EA 24" To 30" Rhododendron - Carolina Rhododendron	152.61	
32 93 33 00-0559 EA 2' To 3' Rhododendron - Five-leafed Azalea.....	69.40	
32 93 33 00-0560 EA 3' To 4' Rhododendron - Five-leafed Azalea.....	90.79	
32 93 33 00-0561 EA 4' To 5' Rhododendron - Five-leafed Azalea.....	119.56	
32 93 33 00-0562 EA 15" To 18" Rhododendron - Ghent Azalea.....	69.40	
32 93 33 00-0563 EA 18" To 24" Rhododendron - Ghent Azalea.....	86.51	
32 93 33 00-0564 EA 2' To 3' Rhododendron - Ghent Azalea.....	140.16	
32 93 33 00-0565 EA 3' To 4' Rhododendron - Ghent Azalea.....	193.82	
32 93 33 00-0566 EA 4' To 5' Rhododendron - Ghent Azalea.....	259.72	
32 93 33 00-0567 EA 5' To 6' Rhododendron - Ghent Azalea.....	346.42	
32 93 33 00-0568 EA 1 Gallon Rhododendron - Hybrid Rhododendron.....	22.74	
32 93 33 00-0569 EA 2 Gallon Rhododendron - Hybrid Rhododendron.....	49.18	
32 93 33 00-0570 EA 3 Gallon Rhododendron - Hybrid Rhododendron.....	69.79	
32 93 33 00-0571 EA 5 Gallon Rhododendron - Hybrid Rhododendron.....	77.96	
32 93 33 00-0572 EA 15" To 18" Rhododendron - Hybrid Rhododendron.....	65.90	
32 93 33 00-0573 EA 18" To 24" Rhododendron - Hybrid Rhododendron.....	90.79	
32 93 33 00-0574 EA 24" To 30" Rhododendron - Hybrid Rhododendron.....	123.64	
32 93 33 00-0575 EA 30" To 36" Rhododendron - Hybrid Rhododendron.....	144.25	
32 93 33 00-0576 EA 36" To 42" Rhododendron - Hybrid Rhododendron.....	206.26	
32 93 33 00-0577 EA 42" To 48" Rhododendron - Hybrid Rhododendron.....	255.64	

32 Exterior Improvements

32 90 Planting

32 93 Plants



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0578 EA 15" To 18" Rhododendron - Pjm Rhododendron.....	74.26	
32 93 33 00-0579 EA 18" To 24" Rhododendron - Pjm Rhododendron.....	90.79	
32 93 33 00-0580 EA 2' To 2-1/2' Rhododendron - Pjm Rhododendron.....	132.00	
32 93 33 00-0581 EA 2-1/2 To 3' Rhododendron - Pjm Rhododendron.....	169.13	
32 93 33 00-0582 EA 3' To 3-1/2' Rhododendron - Pjm Rhododendron.....	206.26	
32 93 33 00-0583 EA 12" To 15" Rhododendron - Torch Azalea	57.74	
32 93 33 00-0584 EA 15" To 18" Rhododendron - Torch Azalea	69.40	
32 93 33 00-0585 EA 18" To 24" Rhododendron - Torch Azalea	86.51	
32 93 33 00-0586 EA 2' To 3' Rhododendron - Torch Azalea	144.25	
32 93 33 00-0587 EA 3 Gallon Rhododendron cvs - Lepidote Rhododendron.....	65.15	
32 93 33 00-0588 EA 5 Gallon Rhododendron cvs - Lepidote Rhododendron.....	79.62	
32 93 33 00-0589 EA 18" B&B Rhododendron cvs - Lepidote Rhododendron.....	97.72	
32 93 33 00-0590 EA 24" B&B Rhododendron cvs - Lepidote Rhododendron.....	123.05	
32 93 33 00-0591 EA 30" B&B Rhododendron cvs - Lepidote Rhododendron.....	144.77	
32 93 33 00-0592 EA 36" B&B Rhododendron cvs - Lepidote Rhododendron.....	173.72	
32 93 33 00-0593 EA 1 Gallon Rhus glabra - Dwarf Smooth Sumac.....	18.66	
32 93 33 00-0594 EA 5 Gallon Rhus glabra - Dwarf Smooth Sumac.....	51.71	
32 93 33 00-0595 EA 2 Gallon Rhus aromatica & cvs - Fragrant Sumac.....	43.43	
32 93 33 00-0596 EA 5 Gallon Rhus aromatica & cvs - Fragrant Sumac.....	59.72	
32 93 33 00-0597 EA 18" B&B Rhus aromatica & cvs - Fragrant Sumac.....	68.76	
32 93 33 00-0598 EA 24" B&B Rhus aromatica & cvs - Fragrant Sumac.....	90.48	
32 93 33 00-0599 EA 36" B&B Rhus glabra - Smooth Sumac.....	54.29	
32 93 33 00-0600 EA 48" B&B Rhus typhina & cvs - Staghorn Sumac.....	90.48	
32 93 33 00-0601 EA 72" B&B Rhus typhina & cvs - Staghorn Sumac.....	144.77	
32 93 33 00-0602 EA 15" B&B Ribes alpinum & cvs - Alpine Currant.....	48.86	
32 93 33 00-0603 EA 18" B&B Ribes alpinum & cvs - Alpine Currant.....	56.10	
32 93 33 00-0604 EA 24" B&B Ribes alpinum & cvs - Alpine Currant.....	81.43	
32 93 33 00-0605 EA 30" B&B Ribes alpinum & cvs - Alpine Currant.....	108.58	
32 93 33 00-0606 EA 1 Gallon Rosa hybrids & cvs - Shrub Rose.....	29.86	
32 93 33 00-0607 EA 2 Gallon Rosa hybrids & cvs - Shrub Rose.....	36.19	
32 93 33 00-0608 EA 3 Gallon Rosa hybrids & cvs - Shrub Rose.....	45.24	
32 93 33 00-0609 EA 2 Gallon Rosa rugosa & cvs - Rugosa Rose.....	32.57	
32 93 33 00-0610 EA 3 Gallon Rosa rugosa & cvs - Rugosa Rose.....	41.62	
32 93 33 00-0611 EA 5 Gallon Sambucus canadensis - American Elder.....	59.72	
32 93 33 00-0612 EA 1 Gallon Santolina chamaecyparissus - Lavender Cotton.....	5.14	
32 93 33 00-0613 EA 5 Gallon Santolina chamaecyparissus - Lavender Cotton.....	12.72	
32 93 33 00-0614 EA 1 Gallon Santolina rosmarinifolia - Green Lavender Cotton.....	5.14	
32 93 33 00-0615 EA 5 Gallon Santolina rosmarinifolia - Green Lavender Cotton.....	12.72	
32 93 33 00-0616 EA 2 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca.....	26.83	
32 93 33 00-0617 EA 3 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca.....	39.27	
32 93 33 00-0618 EA 1 Gallon Sarcococca humilis - Fragrant Sarcococca.....	14.58	
32 93 33 00-0619 EA 5 Gallon Sarcococca humilis - Fragrant Sarcococca.....	38.10	
32 93 33 00-0620 EA 5 Gallon Senna artemisioides - Feathery Cassia.....	14.20	
32 93 33 00-0621 EA 15 Gallon Senna artemisioides - Feathery Cassia.....	56.52	
32 93 33 00-0622 EA 24" Box Senna artemisioides - Feathery Cassia.....	177.56	
32 93 33 00-0623 EA 1 Gallon Skimmia japonica - Japanese Skimmia.....	18.66	
32 93 33 00-0624 EA 2 Gallon Skimmia japonica - Japanese Skimmia.....	37.13	
32 93 33 00-0625 EA 5 Gallon Skimmia japonica - Japanese Skimmia.....	59.88	
32 93 33 00-0626 EA 1 Gallon Sollya fusiformis - Bluebell Creeper.....	5.14	
32 93 33 00-0627 EA 5 Gallon Sollya fusiformis - Bluebell Creeper.....	12.72	
32 93 33 00-0628 EA 3' To 4' Spiraea - Garland Spirea.....	86.51	
32 93 33 00-0629 EA 4' To 5' Spiraea - Garland Spirea.....	132.00	
32 93 33 00-0630 EA 5 Gallon Spiraea - Snowmound Spirea.....	51.71	
32 93 33 00-0631 EA 18" To 24" Spiraea - Snowmound Spirea.....	42.38	
32 93 33 00-0632 EA 2' To 3' Spiraea - Snowmound Spirea.....	59.88	
32 93 33 00-0633 EA 3' To 4' Spiraea - Snowmound Spirea.....	69.40	
32 93 33 00-0634 EA 4' To 5' Spiraea - Snowmound Spirea.....	119.56	
32 93 33 00-0635 EA 1 Gallon Spiraea japonica & cvs - Japanese Spirea.....	18.66	
32 93 33 00-0636 EA 2 Gallon Spiraea japonica & cvs - Japanese Spirea.....	36.74	
32 93 33 00-0637 EA 3 Gallon Spiraea japonica & cvs - Japanese Spirea.....	42.53	
32 93 33 00-0638 EA 5 Gallon Spiraea japonica & cvs - Japanese Spirea.....	46.15	
32 93 33 00-0639 EA 18" B&B Spiraea japonica & cvs - Japanese Spirea.....	47.05	
32 93 33 00-0640 EA 24" B&B Spiraea japonica & cvs - Japanese Spirea.....	54.29	
32 93 33 00-0641 EA 30" B&B Spiraea japonica & cvs - Japanese Spirea.....	61.53	
32 93 33 00-0642 EA 36" B&B Spiraea japonica & cvs - Japanese Spirea.....	71.48	
32 93 33 00-0643 EA 2 Gallon Spiraea nipponica & cvs - Nippon Spirea.....	28.95	
32 93 33 00-0644 EA 5 Gallon Spiraea nipponica & cvs - Nippon Spirea.....	43.43	
32 93 33 00-0645 EA 18" B&B Spiraea nipponica & cvs - Nippon Spirea.....	39.81	
32 93 33 00-0646 EA 24" B&B Spiraea nipponica & cvs - Nippon Spirea.....	47.05	
32 93 33 00-0647 EA 30" B&B Spiraea nipponica & cvs - Nippon Spirea.....	54.29	
32 93 33 00-0648 EA 36" B&B Spiraea nipponica & cvs - Nippon Spirea.....	61.53	
32 93 33 00-0649 EA 48" B&B Spiraea nipponica & cvs - Nippon Spirea.....	79.62	
32 93 33 00-0650 EA 1 Gallon Spiraea x bumalda & cvs - Bumalda Spirea.....	18.66	
32 93 33 00-0651 EA 2 Gallon Spiraea x bumalda & cvs - Bumalda Spirea.....	33.48	
32 93 33 00-0652 EA 4 Gallon Spiraea x bumalda & cvs - Bumalda Spirea.....	43.43	
32 93 33 00-0653 EA 18" B&B Spiraea x bumalda & cvs - Bumalda Spirea.....	38.00	
32 93 33 00-0654 EA 24" B&B Spiraea x bumalda & cvs - Bumalda Spirea.....	46.15	
32 93 33 00-0655 EA 30" B&B Spiraea x bumalda & cvs - Bumalda Spirea.....	54.29	
32 93 33 00-0656 EA 36" B&B Spiraea x bumalda & cvs - Bumalda Spirea.....	61.53	
32 93 33 00-0657 EA 5 Gallon Spiraea x vanhouttei & cvs - Vanhoutte Spirea.....	43.43	
32 93 33 00-0658 EA 18" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea.....	43.43	



Exterior Improvements 32

Planting 32 90

Plants 32 93

32

Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Lists various plant species and their costs.

32 Exterior Improvements

32 90 Planting

32 93 Plants



	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0740	EA 36" B&B Viburnum lentago & cvs - Nannyberry Viburnum.....	54.29	
32 93 33 00-0741	EA 48" B&B Viburnum lentago & cvs - Nannyberry Viburnum.....	72.38	
32 93 33 00-0742	EA 5' B&B Viburnum lentago & cvs - Nannyberry Viburnum.....	90.48	
32 93 33 00-0743	EA 6' B&B Viburnum lentago & cvs - Nannyberry Viburnum.....	126.67	
32 93 33 00-0744	EA 7' B&B Viburnum lentago & cvs - Nannyberry Viburnum.....	180.96	
32 93 33 00-0745	EA 8' B&B Viburnum lentago & cvs - Nannyberry Viburnum.....	253.35	
32 93 33 00-0746	EA 9' B&B Viburnum lentago & cvs - Nannyberry Viburnum.....	325.73	
32 93 33 00-0747	EA 30" B&B Viburnum plicatum tomentosum & cvs - Doublefile Viburnum.....	65.15	
32 93 33 00-0748	EA 36" B&B Viburnum plicatum tomentosum & cvs - Doublefile Viburnum.....	72.38	
32 93 33 00-0749	EA 36" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum.....	130.29	
32 93 33 00-0750	EA 48" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum.....	199.06	
32 93 33 00-0751	EA 60" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum.....	253.35	
32 93 33 00-0752	EA 72" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum.....	307.63	
32 93 33 00-0753	EA 84" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum.....	380.02	
32 93 33 00-0754	EA 96" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum.....	452.40	
32 93 33 00-0755	EA 108" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum.....	542.88	
32 93 33 00-0756	EA 120" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum.....	633.36	
32 93 33 00-0757	EA 30" B&B Viburnum sargentii & cvs - Sargent Viburnum.....	55.19	
32 93 33 00-0758	EA 36" B&B Viburnum sargentii & cvs - Sargent Viburnum.....	60.62	
32 93 33 00-0759	EA 48" B&B Viburnum sargentii & cvs - Sargent Viburnum.....	68.76	
32 93 33 00-0760	EA 60" B&B Viburnum sargentii & cvs - Sargent Viburnum.....	79.62	
32 93 33 00-0761	EA 72" B&B Viburnum sargentii & cvs - Sargent Viburnum.....	91.39	
32 93 33 00-0762	EA 18" B&B Viburnum trilobum & cvs - American Cranberry Viburnum.....	52.48	
32 93 33 00-0763	EA 24" B&B Viburnum trilobum & cvs - American Cranberry Viburnum.....	63.34	
32 93 33 00-0764	EA 30" B&B Viburnum trilobum & cvs - American Cranberry Viburnum.....	76.00	
32 93 33 00-0765	EA 36" B&B Viburnum trilobum & cvs - American Cranberry Viburnum.....	86.86	
32 93 33 00-0766	EA 42" B&B Viburnum trilobum & cvs - American Cranberry Viburnum.....	104.96	
32 93 33 00-0767	EA 48" B&B Viburnum trilobum & cvs - American Cranberry Viburnum.....	115.82	
32 93 33 00-0768	EA 30" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum.....	90.48	
32 93 33 00-0769	EA 36" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum.....	108.58	
32 93 33 00-0770	EA 42" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum.....	126.67	
32 93 33 00-0771	EA 48" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum.....	144.77	
32 93 33 00-0772	EA 60" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum.....	162.86	
32 93 33 00-0773	EA 30" B&B Viburnum x juddii & cvs - Judd Viburnum.....	115.82	
32 93 33 00-0774	EA 36" B&B Viburnum x juddii & cvs - Judd Viburnum.....	130.29	
32 93 33 00-0775	EA 42" B&B Viburnum x juddii & cvs - Judd Viburnum.....	148.39	
32 93 33 00-0776	EA 48" B&B Viburnum x juddii & cvs - Judd Viburnum.....	170.10	
32 93 33 00-0777	EA 2' To 3' Viburnum opulus "Roseum" - Fragrant Snowball.....	107.12	
32 93 33 00-0778	EA 3' To 4' Viburnum opulus "Roseum" - Fragrant Snowball.....	132.00	
32 93 33 00-0779	EA 4' To 5' Viburnum opulus "Roseum" - Fragrant Snowball.....	193.82	
32 93 33 00-0780	EA 5 Gallon Weigela florida & cvs - Old Fashioned Weigela.....	59.72	
32 93 33 00-0781	EA 24" B&B Weigela florida & cvs - Old Fashioned Weigela.....	54.29	
32 93 33 00-0782	EA 30" B&B Weigela florida & cvs - Old Fashioned Weigela.....	61.53	
32 93 33 00-0783	EA 36" B&B Weigela florida & cvs - Old Fashioned Weigela.....	68.76	
32 93 33 00-0784	EA 42" B&B Weigela florida & cvs - Old Fashioned Weigela.....	79.62	
32 93 33 00-0785	EA 48" B&B Weigela florida & cvs - Old Fashioned Weigela.....	90.48	
32 93 33 00-0786	EA 1 Gallon Xylosma congestum - Shiny Xylosma.....	12.44	
32 93 33 00-0787	EA 5 Gallon Xylosma congestum - Shiny Xylosma.....	35.19	
32 93 33 00-0788	EA 15 Gallon Xylosma congestum - Shiny Xylosma.....	154.74	
32 93 33 00-0789	EA 1 Gallon Yucca aloifolia - Spanish Bayonet.....	10.50	
32 93 33 00-0790	EA 3 Gallon Yucca aloifolia - Spanish Bayonet.....	27.80	
32 93 33 00-0791	EA 1 Gallon Yucca filamentosa - Adams Needle.....	14.58	
32 93 33 00-0792	EA 3 Gallon Yucca filamentosa - Adams Needle.....	28.38	
32 93 33 00-0793	EA 5 Gallon Yucca filamentosa - Adams Needle.....	44.91	
32 93 33 00-0794	EA 5 Gallon Border Forsythia - Goldenbells.....	49.96	
32 93 33 00-0795	EA 2' To 3' Border Forsythia - Goldenbells.....	41.21	
32 93 33 00-0796	EA 3' To 4' Border Forsythia - Goldenbells.....	52.10	
32 93 33 00-0797	EA 4' To 5' Border Forsythia - Goldenbells.....	64.93	
32 93 33 00-0798	EA 5' To 6' Border Forsythia - Goldenbells.....	77.96	
32 93 33 00-0799	EA 6' To 8' Border Forsythia - Goldenbells.....	107.12	
32 93 33 00-0800	EA 3' Juniperus chinensis - Columnar Chinese Juniper.....	106.13	
32 93 33 00-0801	EA 4' Juniperus chinensis - Columnar Chinese Juniper.....	145.67	
32 93 33 00-0802	EA 5' Juniperus chinensis - Columnar Chinese Juniper.....	228.92	
32 93 33 00-0803	EA 6' Juniperus chinensis - Columnar Chinese Juniper.....	266.37	
32 93 33 00-0804	EA 7' Juniperus chinensis - Columnar Chinese Juniper.....	349.62	
32 93 33 00-0805	EA 2 Gallon Chrysobalanus icaco - Cocoplum Red Tip.....	20.81	
32 93 33 00-0806	EA 3 Gallon Chrysobalanus icaco - Cocoplum Red Tip.....	29.13	
32 93 33 00-0807	EA 5 Gallon Chrysobalanus icaco - Cocoplum Red Tip.....	70.55	
32 93 33 00-0808	EA 2 Gallon Chrysobalanus icaco - Cocoplum Green Tip.....	20.81	
32 93 33 00-0809	EA 3 Gallon Chrysobalanus icaco - Cocoplum Green Tip.....	29.13	

32 93 43 Trees (32 93)

Note: (cvs = cultivar) materials only. See CSI section 32 93 53 00-0001 for installation and planting of trees.

32 93 43 00-0001 Ornamental Trees (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0002	EA 6' Clump Form Acer ginnala & cvs - Amur Maple.....	324.34	
32 93 43 00-0003	EA 7' Clump Form Acer ginnala & cvs - Amur Maple.....	396.42	
32 93 43 00-0004	EA 8' Clump Form Acer ginnala & cvs - Amur Maple.....	450.48	
32 93 43 00-0005	EA 10' Clump Form Acer ginnala & cvs - Amur Maple.....	522.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0006 EA 12' Clump Form Acer ginnala & cvs - Amur Maple	594.63	
32 93 43 00-0007 EA 14' Clump Form Acer ginnala & cvs - Amur Maple	702.75	
32 93 43 00-0008 EA 1-1/2" To 2" Caliper Acer griseum - Paperbark Maple	238.78	
32 93 43 00-0009 EA 2" To 2-1/2" Caliper Acer griseum - Paperbark Maple	1,153.22	
32 93 43 00-0010 EA 2-1/2" To 3" Caliper Acer griseum - Paperbark Maple	1,441.53	
32 93 43 00-0011 EA 5' Clump Form Acer griseum - Paperbark Maple	288.31	
32 93 43 00-0012 EA 1-1/2" Caliper Aesculus californica - California Buckeye	720.76	
32 93 43 00-0013 EA 2" Caliper Aesculus californica - California Buckeye	937.00	
32 93 43 00-0014 EA 2-1/2" Caliper Aesculus californica - California Buckeye	1,081.15	
32 93 43 00-0015 EA 3" Caliper Aesculus californica - California Buckeye	1,225.30	
32 93 43 00-0016 EA 3-1/2" Caliper Aesculus californica - California Buckeye	1,441.53	
32 93 43 00-0017 EA 36" B&B Amelanchier alnifolia & cvs - Saskatoon Serviceberry	144.77	
32 93 43 00-0018 EA 48" B&B Amelanchier alnifolia & cvs - Saskatoon Serviceberry	180.96	
32 93 43 00-0019 EA 60" B&B Amelanchier alnifolia & cvs - Saskatoon Serviceberry	224.39	
32 93 43 00-0020 EA 60" B&B Amelanchier arborea & cvs - Downy Serviceberry	180.96	
32 93 43 00-0021 EA 72" B&B Amelanchier arborea & cvs - Downy Serviceberry	217.15	
32 93 43 00-0022 EA 7" B&B Amelanchier arborea & cvs - Downy Serviceberry	253.35	
32 93 43 00-0023 EA 8" B&B Amelanchier arborea & cvs - Downy Serviceberry	289.54	
32 93 43 00-0024 EA 5" B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	325.73	
32 93 43 00-0025 EA 6" B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	361.92	
32 93 43 00-0026 EA 7" B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	416.21	
32 93 43 00-0027 EA 8" B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	470.50	
32 93 43 00-0028 EA 9" B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	542.88	
32 93 43 00-0029 EA 1-1/2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	360.38	
32 93 43 00-0030 EA 2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	504.54	
32 93 43 00-0031 EA 2-1/2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	540.57	
32 93 43 00-0032 EA 3" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	630.67	
32 93 43 00-0033 EA 6' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	450.48	
32 93 43 00-0034 EA 7' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	540.57	
32 93 43 00-0035 EA 8' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	630.67	
32 93 43 00-0036 EA 10' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	720.76	
32 93 43 00-0037 EA 12' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	810.86	
32 93 43 00-0038 EA 14' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	900.96	
32 93 43 00-0039 EA 7" B&B Amelanchier laevis & cvs - Allegheny Serviceberry	416.21	
32 93 43 00-0040 EA 8" B&B Amelanchier laevis & cvs - Allegheny Serviceberry	488.59	
32 93 43 00-0041 EA 9" B&B Amelanchier laevis & cvs - Allegheny Serviceberry	560.98	
32 93 43 00-0042 EA 10" B&B Amelanchier laevis & cvs - Allegheny Serviceberry	615.27	
32 93 43 00-0043 EA 30" B&B Amelanchier stolonifera & cvs - Running Serviceberry	144.77	
32 93 43 00-0044 EA 48" B&B Amelanchier stolonifera & cvs - Running Serviceberry	307.63	
32 93 43 00-0045 EA 60" B&B Amelanchier stolonifera & cvs - Running Serviceberry	398.11	
32 93 43 00-0046 EA 2' To 4' Amelemchier - Juneberry	44.07	
32 93 43 00-0047 EA 4' To 5' Amelemchier - Juneberry	46.23	
32 93 43 00-0048 EA 5' To 6' Amelemchier - Juneberry	55.04	
32 93 43 00-0049 EA 6' To 8' Amelemchier - Juneberry	65.67	
32 93 43 00-0050 EA 3' Clump Form Asimina triloba - Paw-Paw	252.27	
32 93 43 00-0051 EA 4' Clump Form Asimina triloba - Paw-Paw	288.31	
32 93 43 00-0052 EA 5' Clump Form Asimina triloba - Paw-Paw	396.42	
32 93 43 00-0053 EA 1-1/2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	540.57	
32 93 43 00-0054 EA 2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	630.67	
32 93 43 00-0055 EA 2-1/2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	810.86	
32 93 43 00-0056 EA 5' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	324.34	
32 93 43 00-0057 EA 6' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	396.42	
32 93 43 00-0058 EA 7' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	540.57	
32 93 43 00-0059 EA 8' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	630.67	
32 93 43 00-0060 EA 10' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	756.80	
32 93 43 00-0061 EA 12' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	918.98	
32 93 43 00-0062 EA 14' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	1,045.11	
32 93 43 00-0063 EA 6' Cercis occidentalis - Western Redbud	201.83	
32 93 43 00-0064 EA 8' Cercis occidentalis - Western Redbud	277.67	
32 93 43 00-0065 EA 2-1/2" Caliper Cercis occidentalis - Western Redbud	571.93	
32 93 43 00-0066 EA 3" Caliper Cercis occidentalis - Western Redbud	696.26	
32 93 43 00-0067 EA 15 Gallon Cercis canadensis & cvs - Eastern Redbud	176.16	
32 93 43 00-0068 EA 20 Gallon Cercis canadensis & cvs - Eastern Redbud	220.20	
32 93 43 00-0069 EA 6' Clump Form Cercis canadensis & cvs - Eastern Redbud	432.46	
32 93 43 00-0070 EA 7' Clump Form Cercis canadensis & cvs - Eastern Redbud	594.63	
32 93 43 00-0071 EA 8' Clump Form Cercis canadensis & cvs - Eastern Redbud	756.80	
32 93 43 00-0072 EA 1-1/2" Caliper Cercis canadensis & cvs - Eastern Redbud	414.44	
32 93 43 00-0073 EA 2" Caliper Cercis canadensis & cvs - Eastern Redbud	486.52	
32 93 43 00-0074 EA 5' To 6' Chaenomeles - Orange Quince	113.83	
32 93 43 00-0075 EA 6' To 8' Chaenomeles - Orange Quince	142.29	
32 93 43 00-0076 EA 5' Clump Form Chionanthus virginicus - White Fringetree	360.38	
32 93 43 00-0077 EA 6' Clump Form Chionanthus virginicus - White Fringetree	450.48	
32 93 43 00-0078 EA 7' Clump Form Chionanthus virginicus - White Fringetree	576.61	
32 93 43 00-0079 EA 4' To 5' Cornus - Pink Or Red Flowering Dogwood	130.09	
32 93 43 00-0080 EA 5' To 6' Cornus - Pink Or Red Flowering Dogwood	162.61	
32 93 43 00-0081 EA 6' To 7' Cornus - Pink Or Red Flowering Dogwood	227.66	
32 93 43 00-0082 EA 7' To 8' Cornus - Pink Or Red Flowering Dogwood	292.70	
32 93 43 00-0083 EA 4' To 5' Cornus - White Flowering Dogwood	86.73	
32 93 43 00-0084 EA 5' To 6' Cornus - White Flowering Dogwood	130.09	
32 93 43 00-0085 EA 6' To 7' Cornus - White Flowering Dogwood	182.12	
32 93 43 00-0086 EA 3' To 4' Cornus kousa - Japanese Dogwood	86.73	

32 Exterior Improvements

32 90 Planting

32 93 Plants



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0087 EA 4' To 5' Cornus kousa - Japanese Dogwood	99.74	
32 93 43 00-0088 EA 5' To 6' Cornus kousa - Japanese Dogwood	130.09	
32 93 43 00-0089 EA 6' To 8' Cornus kousa - Japanese Dogwood	190.80	
32 93 43 00-0090 EA 8' To 10' Cornus kousa - Japanese Dogwood	260.18	
32 93 43 00-0091 EA 1-1/2" Caliper Cornus alternifolia & cvs - Pagoda Dogwood	414.44	
32 93 43 00-0092 EA 2" Caliper Cornus alternifolia & cvs - Pagoda Dogwood	504.54	
32 93 43 00-0093 EA 4' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	198.21	
32 93 43 00-0094 EA 5' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	252.27	
32 93 43 00-0095 EA 6' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	288.31	
32 93 43 00-0096 EA 7' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	324.34	
32 93 43 00-0097 EA 8' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	396.42	
32 93 43 00-0098 EA 4' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	198.21	
32 93 43 00-0099 EA 5' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	252.27	
32 93 43 00-0100 EA 6' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	306.32	
32 93 43 00-0101 EA 7' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	360.38	
32 93 43 00-0102 EA 8' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	504.54	
32 93 43 00-0103 EA 1-1/2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	450.48	
32 93 43 00-0104 EA 2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	540.57	
32 93 43 00-0105 EA 2-1/2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	630.67	
32 93 43 00-0106 EA 1-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	360.38	
32 93 43 00-0107 EA 2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	450.48	
32 93 43 00-0108 EA 2-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	558.59	
32 93 43 00-0109 EA 3" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	630.67	
32 93 43 00-0110 EA 3-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	720.76	
32 93 43 00-0111 EA 4" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	810.86	
32 93 43 00-0112 EA 6' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	360.38	
32 93 43 00-0113 EA 7' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	432.46	
32 93 43 00-0114 EA 8' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	504.54	
32 93 43 00-0115 EA 10' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	630.67	
32 93 43 00-0116 EA 12' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	810.86	
32 93 43 00-0117 EA 1-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	288.31	
32 93 43 00-0118 EA 2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	324.34	
32 93 43 00-0119 EA 2-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	360.38	
32 93 43 00-0120 EA 3" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	414.44	
32 93 43 00-0121 EA 3-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	540.57	
32 93 43 00-0122 EA 4" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	612.65	
32 93 43 00-0123 EA 6' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	252.27	
32 93 43 00-0124 EA 7' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	306.32	
32 93 43 00-0125 EA 8' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	360.38	
32 93 43 00-0126 EA 10' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	450.48	
32 93 43 00-0127 EA 12' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	558.59	
32 93 43 00-0128 EA 14' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	666.71	
32 93 43 00-0129 EA 16' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	774.82	
32 93 43 00-0130 EA 1-1/2" Caliper Crataegus viridis - Winter King Hawthorn	288.31	
32 93 43 00-0131 EA 2" Caliper Crataegus viridis - Winter King Hawthorn	324.34	
32 93 43 00-0132 EA 2-1/2" Caliper Crataegus viridis - Winter King Hawthorn	450.48	
32 93 43 00-0133 EA 3" Caliper Crataegus viridis - Winter King Hawthorn	594.63	
32 93 43 00-0134 EA 6' Clump Form Crataegus viridis - Winter King Hawthorn	270.29	
32 93 43 00-0135 EA 7' Clump Form Crataegus viridis - Winter King Hawthorn	360.38	
32 93 43 00-0136 EA 8' Clump Form Crataegus viridis - Winter King Hawthorn	450.48	
32 93 43 00-0137 EA 10' Clump Form Crataegus viridis - Winter King Hawthorn	540.57	
32 93 43 00-0138 EA 4' Clump Form Hamamelis virginiana - Common Witchhazel	180.19	
32 93 43 00-0139 EA 5' Clump Form Hamamelis virginiana - Common Witchhazel	234.25	
32 93 43 00-0140 EA 6' Clump Form Hamamelis virginiana - Common Witchhazel	288.31	
32 93 43 00-0141 EA 7' Clump Form Hamamelis virginiana - Common Witchhazel	396.42	
32 93 43 00-0142 EA 8' Clump Form Hamamelis virginiana - Common Witchhazel	540.57	
32 93 43 00-0143 EA 1 Gallon Ilex Cassine - Casine Holly (Dahoon)	10.36	
32 93 43 00-0144 EA 5 Gallon Ilex Cassine - Casine Holly (Dahoon)	33.16	
32 93 43 00-0145 EA 4' To 5' Ilex Cassine - Casine Holly (Dahoon)	56.99	
32 93 43 00-0146 EA 6' To 7' Ilex Cassine - Casine Holly (Dahoon)	108.79	
32 93 43 00-0147 EA 8' To 9' Ilex Cassine - Casine Holly (Dahoon)	145.05	
32 93 43 00-0148 EA 10' To 12' Ilex Cassine - Casine Holly (Dahoon)	186.50	
32 93 43 00-0149 EA 2' To 3' Magnolia Virginiana - Sweetbay Magnolia	68.30	
32 93 43 00-0150 EA 3' To 4' Magnolia Virginiana - Sweetbay Magnolia	102.44	
32 93 43 00-0151 EA 4' To 5' Magnolia Virginiana - Sweetbay Magnolia	128.06	
32 93 43 00-0152 EA 5' To 6' Magnolia Virginiana - Sweetbay Magnolia	159.50	
32 93 43 00-0153 EA 4' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	270.29	
32 93 43 00-0154 EA 5' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	360.38	
32 93 43 00-0155 EA 6' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	468.50	
32 93 43 00-0156 EA 7' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	522.56	
32 93 43 00-0157 EA 9' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	702.75	
32 93 43 00-0158 EA 8' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	630.67	
32 93 43 00-0159 EA 4' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	270.29	
32 93 43 00-0160 EA 5' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	360.38	
32 93 43 00-0161 EA 6' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	468.50	
32 93 43 00-0162 EA 7' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	522.56	
32 93 43 00-0163 EA 8' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	630.67	
32 93 43 00-0164 EA 9' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	702.75	
32 93 43 00-0165 EA 4' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	270.29	
32 93 43 00-0166 EA 5' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	360.38	
32 93 43 00-0167 EA 6' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	468.50	



Exterior Improvements 32

Planting 32 90

Plants 32 93

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0168	EA	7	Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	522.56	
32 93 43 00-0169	EA	8	Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	630.67	
32 93 43 00-0170	EA	9	Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	702.75	
32 93 43 00-0171	EA	4	Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	270.29	
32 93 43 00-0172	EA	5	Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	360.38	
32 93 43 00-0173	EA	6	Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	468.50	
32 93 43 00-0174	EA	7	Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	522.56	
32 93 43 00-0175	EA	8	Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	630.67	
32 93 43 00-0176	EA	9	Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	702.75	
32 93 43 00-0177	EA	4	Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	270.29	
32 93 43 00-0178	EA	5	Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	360.38	
32 93 43 00-0179	EA	6	Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	468.50	
32 93 43 00-0180	EA	7	Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	522.56	
32 93 43 00-0181	EA	8	Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	630.67	
32 93 43 00-0182	EA	9	Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	702.75	
32 93 43 00-0183	EA	5	Gallon Malus - Crabapple	73.18	
32 93 43 00-0184	EA	15	Gallon Malus - Crabapple	186.60	
32 93 43 00-0185	EA	20	Gallon Malus - Crabapple	219.53	
32 93 43 00-0186	EA	1-1/2"	Caliper Malus cvs - Crabapple Varieties	216.23	
32 93 43 00-0187	EA	2"	Caliper Malus cvs - Crabapple Varieties	288.31	
32 93 43 00-0188	EA	2-1/2"	Caliper Malus cvs - Crabapple Varieties	360.38	
32 93 43 00-0189	EA	3"	Caliper Malus cvs - Crabapple Varieties	432.46	
32 93 43 00-0190	EA	3-1/2"	Caliper Malus cvs - Crabapple Varieties	504.54	
32 93 43 00-0191	EA	4"	Caliper Malus cvs - Crabapple Varieties	576.61	
32 93 43 00-0192	EA	6'	Clump Form Malus cvs - Crabapple Varieties	324.34	
32 93 43 00-0193	EA	7'	Clump Form Malus cvs - Crabapple Varieties	360.38	
32 93 43 00-0194	EA	8'	Clump Form Malus cvs - Crabapple Varieties	450.48	
32 93 43 00-0195	EA	10'	Clump Form Malus cvs - Crabapple Varieties	504.54	
32 93 43 00-0196	EA	12'	Clump Form Malus cvs - Crabapple Varieties	648.69	
32 93 43 00-0197	EA	1-1/2"	Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars	360.38	
32 93 43 00-0198	EA	2"	Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars	450.48	
32 93 43 00-0199	EA	4'	Clump Form Malus dwarf cvs - Dwarf Crabapple	270.29	
32 93 43 00-0200	EA	5'	Clump Form Malus dwarf cvs - Dwarf Crabapple	342.36	
32 93 43 00-0201	EA	6'	Clump Form Malus dwarf cvs - Dwarf Crabapple	414.44	
32 93 43 00-0202	EA	7'	Clump Form Malus dwarf cvs - Dwarf Crabapple	468.50	
32 93 43 00-0203	EA	8'	Clump Form Malus dwarf cvs - Dwarf Crabapple	522.56	
32 93 43 00-0204	EA	9'	Clump Form Malus dwarf cvs - Dwarf Crabapple	576.61	
32 93 43 00-0205	EA	4'	To 5' Oxydendrum arboreum - Sourwood	165.32	
32 93 43 00-0206	EA	5'	To 6' Oxydendrum arboreum - Sourwood	206.65	
32 93 43 00-0207	EA	6'	To 7' Oxydendrum arboreum - Sourwood	247.98	
32 93 43 00-0208	EA	7'	To 8' Oxydendrum arboreum - Sourwood	289.31	
32 93 43 00-0209	EA	1	Gallon Platanus racemosa, Multi Trunk - Western Sycamore	5.70	
32 93 43 00-0210	EA	5	Gallon Platanus racemosa, Multi Trunk - Western Sycamore	24.15	
32 93 43 00-0211	EA	20	Gallon Prunus subhirtella - Flowering Cherry	253.40	
32 93 43 00-0212	EA	1-1/2"	To 2" Caliper Prunus subhirtella - Flowering Cherry	261.94	
32 93 43 00-0213	EA	2"	To 2-1/2" Caliper Prunus subhirtella - Flowering Cherry	327.39	
32 93 43 00-0214	EA	3-1/2"	To 4" Caliper Prunus subhirtella - Flowering Cherry	683.24	
32 93 43 00-0215	EA	3"	To 3-1/2" Caliper Prunus subhirtella - Flowering Cherry	526.59	
32 93 43 00-0216	EA	4"	To 5" Caliper Prunus subhirtella - Flowering Cherry	1,024.86	
32 93 43 00-0217	EA	5	Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	65.45	
32 93 43 00-0218	EA	15	Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	179.28	
32 93 43 00-0219	EA	20	Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	233.48	
32 93 43 00-0220	EA	5	To 6' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	73.99	
32 93 43 00-0221	EA	6'	To 8' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	142.29	
32 93 43 00-0222	EA	1-1/2"	To 2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	261.94	
32 93 43 00-0223	EA	2"	To 2-1/2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	313.16	
32 93 43 00-0224	EA	1-1/2"	To 1-3/4" Caliper Prunus subhirtella - Weeping Cherry	205.03	
32 93 43 00-0225	EA	1-1/4"	To 1-1/2" Caliper Prunus subhirtella - Weeping Cherry	170.74	
32 93 43 00-0226	EA	1-3/4"	To 2" Caliper Prunus subhirtella - Weeping Cherry	250.42	
32 93 43 00-0227	EA	2"	To 2-1/2" Caliper Prunus subhirtella - Weeping Cherry	298.93	
32 93 43 00-0228	EA	2-1/2"	To 3" Caliper Prunus subhirtella - Weeping Cherry	384.30	
32 93 43 00-0229	EA	4'	To 6' Prunus - Pigeon Plum	103.61	
32 93 43 00-0230	EA	8'	To 10' Prunus - Pigeon Plum	352.27	
32 93 43 00-0231	EA	10'	To 12' Prunus - Pigeon Plum	447.60	
32 93 43 00-0232	EA	14'	To 16' Prunus - Pigeon Plum	704.55	
32 93 43 00-0233	EA	6'	To 8' Prunus yedoensis - Yoshino Cherry	148.11	
32 93 43 00-0234	EA	1-1/2"	To 2" Caliper Prunus yedoensis - Yoshino Cherry	227.79	
32 93 43 00-0235	EA	2"	To 2-1/2" Caliper Prunus yedoensis - Yoshino Cherry	278.88	
32 93 43 00-0236	EA	2-1/2"	To 3" Caliper Prunus yedoensis - Yoshino Cherry	355.85	
32 93 43 00-0237	EA	15	Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	197.84	
32 93 43 00-0238	EA	20	Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	247.31	
32 93 43 00-0239	EA	1-1/2"	To 2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	257.20	
32 93 43 00-0240	EA	2"	To 2-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	306.66	
32 93 43 00-0241	EA	2-1/2"	To 3" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	415.47	
32 93 43 00-0242	EA	3"	To 3-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	544.07	
32 93 43 00-0243	EA	3-1/2"	To 4" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	692.45	
32 93 43 00-0244	EA	15	Gallon Pyrus Calleryana x 'Bradford' - Flowering Pear	197.84	
32 93 43 00-0245	EA	20	Gallon Pyrus Calleryana x 'Bradford' - Flowering Pear	247.31	
32 93 43 00-0246	EA	1-1/2"	To 2" Caliper Pyrus Calleryana x 'Bradford' - Flowering Pear	168.17	
32 93 43 00-0247	EA	2"	To 2-1/2" Caliper Pyrus Calleryana x 'Bradford' - Flowering Pear	257.20	
32 93 43 00-0248	EA	2-1/2"	To 3" Caliper Pyrus Calleryana x 'Bradford' - Flowering Pear	306.39	

32 Exterior Improvements

32 90 Planting

32 93 Plants



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-0249	EA	3" To 3-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	415.47	
32 93 43 00-0250	EA	3-1/2" To 4" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	544.07	
32 93 43 00-0251	EA	1-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	360.38	
32 93 43 00-0252	EA	2" Caliper Pyrus calleryana & cvs - Callery Pear	450.48	
32 93 43 00-0253	EA	2-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	558.59	
32 93 43 00-0254	EA	3" Caliper Pyrus calleryana & cvs - Callery Pear	630.67	
32 93 43 00-0255	EA	3-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	702.75	
32 93 43 00-0256	EA	4" Caliper Pyrus calleryana & cvs - Callery Pear	900.96	
32 93 43 00-0257	EA	1 Gallon Ribes aureum - Golden Currant	4.99	
32 93 43 00-0258	EA	5 Gallon Ribes aureum - Golden Currant	14.27	
32 93 43 00-0259	EA	1 Gallon Ribes sanguineum - Red Flowering Currant	4.99	
32 93 43 00-0260	EA	5 Gallon Ribes sanguineum - Red Flowering Currant	14.27	
32 93 43 00-0261	EA	1 Gallon Ribes viburnifolium - Evergreen Currant	4.99	
32 93 43 00-0262	EA	5 Gallon Ribes viburnifolium - Evergreen Currant	14.27	
32 93 43 00-0263	EA	1-3/4" Caliper Sophora japonica - Japanese Pagoda	481.81	
32 93 43 00-0264	EA	2" Caliper Sophora japonica - Japanese Pagoda	542.04	
32 93 43 00-0265	EA	2-1/2" Caliper Sophora japonica - Japanese Pagoda	632.38	
32 93 43 00-0266	EA	3" Caliper Sophora japonica - Japanese Pagoda	924.91	
32 93 43 00-0267	EA	3-1/2" Caliper Sophora japonica - Japanese Pagoda	1,398.11	
32 93 43 00-0268	EA	1-1/2" Caliper Sorbus alnifolia - Korean Mountainash	360.38	
32 93 43 00-0269	EA	2" Caliper Sorbus alnifolia - Korean Mountainash	450.48	
32 93 43 00-0270	EA	2-1/2" Caliper Sorbus alnifolia - Korean Mountainash	558.59	
32 93 43 00-0271	EA	3" Caliper Sorbus alnifolia - Korean Mountainash	684.73	
32 93 43 00-0272	EA	3-1/2" Caliper Sorbus alnifolia - Korean Mountainash	828.88	
32 93 43 00-0273	EA	4" Caliper Sorbus alnifolia - Korean Mountainash	991.05	
32 93 43 00-0274	EA	1-1/2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	468.50	
32 93 43 00-0275	EA	2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	504.54	
32 93 43 00-0276	EA	2-1/2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	612.65	
32 93 43 00-0277	EA	4' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	288.31	
32 93 43 00-0278	EA	5' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	342.36	
32 93 43 00-0279	EA	6' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	396.42	
32 93 43 00-0280	EA	7' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	450.48	
32 93 43 00-0281	EA	8' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	522.56	
32 93 43 00-0282	EA	10' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	666.71	
32 93 43 00-0283	EA	12' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	756.80	
32 93 43 00-0284	EA	14' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	864.92	
32 93 43 00-0285	EA	8' Cassia leptophylla - Gold Medallion Tree	215.54	
32 93 43 00-0286	EA	10' Cassia leptophylla - Gold Medallion Tree	273.57	
32 93 43 00-0287	EA	12' Cassia leptophylla - Gold Medallion Tree	331.60	
32 93 43 00-0288	EA	6' Magnolia grandiflora 'St. Mary's'	248.70	
32 93 43 00-0289	EA	8' Magnolia grandiflora 'St. Mary's'	439.37	
32 93 43 00-0290	EA	10' Magnolia grandiflora 'St. Mary's'	552.11	
32 93 43 00-0291	EA	12' Magnolia grandiflora 'St. Mary's'	663.20	
32 93 43 00-0292	EA	14' Magnolia grandiflora 'St. Mary's'	770.97	
32 93 43 00-0293	EA	16' Magnolia grandiflora 'St. Mary's'	911.90	
32 93 43 00-0294	EA	24" Box Magnolia grandiflora 'St. Mary's'	273.57	
32 93 43 00-0295	EA	6' Prunus cerasifera - Purple Leaf Plum	129.32	
32 93 43 00-0296	EA	8' Prunus cerasifera - Purple Leaf Plum	149.22	
32 93 43 00-0297	EA	10' Prunus cerasifera - Purple Leaf Plum	192.33	
32 93 43 00-0298	EA	24" Box Prunus cerasifera - Purple Leaf Plum	204.76	
32 93 43 00-0299	EA	30" Box Prunus cerasifera - Purple Leaf Plum	414.50	
32 93 43 00-0300	EA	36" Box Prunus cerasifera - Purple Leaf Plum	635.84	
32 93 43 00-0301	EA	6' Pittosporum phylliraeoides - Willow Pittosporum	270.25	
32 93 43 00-0302	EA	8' Pittosporum phylliraeoides - Willow Pittosporum	386.31	
32 93 43 00-0303	EA	10' Pittosporum phylliraeoides - Willow Pittosporum	462.58	
32 93 43 00-0304	EA	12' Pittosporum phylliraeoides - Willow Pittosporum	596.88	
32 93 43 00-0305	EA	6' Stenocarpus sinuatus - Firewheel Tree	397.92	
32 93 43 00-0306	EA	8' Stenocarpus sinuatus - Firewheel Tree	530.56	
32 93 43 00-0307	EA	10' Stenocarpus sinuatus - Firewheel Tree	663.20	
32 93 43 00-0308	EA	12' Stenocarpus sinuatus - Firewheel Tree	795.84	
32 93 43 00-0309	EA	24" Box Tabebuia ipi - Pink Trumpet	386.31	
32 93 43 00-0310	EA	36" Box Tabebuia ipi - Pink Trumpet	1,027.96	
32 93 43 00-0311	EA	1-1/2" Caliper Arbutus menziesii - Madrona	288.35	
32 93 43 00-0312	EA	2" Caliper Arbutus menziesii - Madrona	374.85	
32 93 43 00-0313	EA	2-1/2" Caliper Arbutus menziesii - Madrona	432.52	
32 93 43 00-0314	EA	3" Caliper Arbutus menziesii - Madrona	490.19	
32 93 43 00-0315	EA	3-1/2" Caliper Arbutus menziesii - Madrona	576.70	
32 93 43 00-0316	EA	1-1/2" Caliper Koelreuteria bipinnata - Chinese Lantern	198.96	
32 93 43 00-0317	EA	2" Caliper Koelreuteria bipinnata - Chinese Lantern	323.31	
32 93 43 00-0318	EA	2-1/2" Caliper Koelreuteria bipinnata - Chinese Lantern	397.92	
32 93 43 00-0319	EA	3" Caliper Koelreuteria bipinnata - Chinese Lantern	439.37	
32 93 43 00-0320	EA	24" Box Koelreuteria bipinnata - Chinese Lantern	193.99	
32 93 43 00-0321	EA	30" Box Koelreuteria bipinnata - Chinese Lantern	447.66	
32 93 43 00-0322	EA	36" Box Koelreuteria bipinnata - Chinese Lantern	700.50	
32 93 43 00-0323	EA	1-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree	180.72	
32 93 43 00-0324	EA	2" Cliber Koelreuteria paniculata - Golden Rain Tree	293.47	
32 93 43 00-0325	EA	2-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree	359.79	
32 93 43 00-0326	EA	3" Cliber Koelreuteria paniculata - Golden Rain Tree	406.21	
32 93 43 00-0327	EA	6' Magnolia grandiflora - Southern Magnolia	122.69	
32 93 43 00-0328	EA	7' Magnolia grandiflora - Southern Magnolia	185.70	
32 93 43 00-0329	EA	8' Magnolia grandiflora - Southern Magnolia	260.31	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0330	EA		9' Magnolia grandiflora - Southern Magnolia	346.52	
32 93 43 00-0331	EA		10' Magnolia grandiflora - Southern Magnolia	527.24	
32 93 43 00-0332	EA		24" Box Magnolia grandiflora - Southern Magnolia	215.54	
32 93 43 00-0333	EA		1-1/2" Caliper Tipuana tipu - Tipu Tree	256.99	
32 93 43 00-0334	EA		2" Caliper Tipuana tipu - Tipu Tree	334.92	
32 93 43 00-0335	EA		2-1/2" Caliper Tipuana tipu - Tipu Tree	424.45	
32 93 43 00-0336	EA		3" Caliper Tipuana tipu - Tipu Tree	489.11	
32 93 43 00-0337	EA		3-1/2" Caliper Tipuana tipu - Tipu Tree	719.57	
32 93 43 00-0338	EA		4" Caliper Tipuana tipu - Tipu Tree	961.64	
32 93 43 00-0339	EA		24" Box Tipuana tipu - Tipu Tree	193.99	
32 93 43 00-0340	EA		6' Albizia julibrissin - Silk Tree	397.92	
32 93 43 00-0341	EA		8' Albizia julibrissin - Silk Tree	530.56	
32 93 43 00-0342	EA		10' Albizia julibrissin - Silk Tree	663.20	
32 93 43 00-0343	EA		12' Albizia julibrissin - Silk Tree	795.84	
32 93 43 00-0344	EA		6' Brachychiton acerifolius - Flame Tree	397.92	
32 93 43 00-0345	EA		8' Brachychiton acerifolius - Flame Tree	530.56	
32 93 43 00-0346	EA		10' Brachychiton acerifolius - Flame Tree	663.20	
32 93 43 00-0347	EA		12' Brachychiton acerifolius - Flame Tree	795.84	
32 93 43 00-0348	EA		1-1/2" Caliper Chilopsis linearis - Desert Willow	321.65	
32 93 43 00-0349	EA		2" Caliper Chilopsis linearis - Desert Willow	386.31	
32 93 43 00-0350	EA		2-1/2" Caliper Chilopsis linearis - Desert Willow	411.18	
32 93 43 00-0351	EA		3" Caliper Chilopsis linearis - Desert Willow	455.95	
32 93 43 00-0352	EA		5 Gallon Chionanthus retusus - Chinese Fringe Tree	16.58	
32 93 43 00-0353	EA		15 Gallon Chionanthus retusus - Chinese Fringe Tree	66.32	
32 93 43 00-0354	EA		24" Box Chionanthus retusus - Chinese Fringe Tree	331.60	
32 93 43 00-0355	EA		5 Gallon Calodendrum capense - Cape Chestnut	24.87	
32 93 43 00-0356	EA		15 Gallon Calodendrum capense - Cape Chestnut	99.48	
32 93 43 00-0357	EA		24" Box Calodendrum capense - Cape Chestnut	373.05	
32 93 43 00-0358	EA		6' Chionanthus virginicus - White Fringe Tree	198.96	
32 93 43 00-0359	EA		8' Chionanthus virginicus - White Fringe Tree	580.22	
32 93 43 00-0360	EA		10' Chionanthus virginicus - White Fringe Tree	808.16	
32 93 43 00-0361	EA		15 Gallon Geijera parvifolia - Australian Willow	248.66	
32 93 43 00-0362	EA		24" Box Geijera parvifolia - Australian Willow	511.83	
32 93 43 00-0363	EA		30" Box Geijera parvifolia - Australian Willow	953.21	
32 93 43 00-0364	EA		36" Box Geijera parvifolia - Australian Willow	1,367.65	
32 93 43 00-0365	EA		1-1/2" Caliper Ginko Biloba - Maidenhair Tree	737.70	
32 93 43 00-0366	EA		2" Caliper Ginko Biloba - Maidenhair Tree	1,027.81	
32 93 43 00-0367	EA		2-1/2" Caliper Ginko Biloba - Maidenhair Tree	1,239.18	
32 93 43 00-0368	EA		3" Caliper Ginko Biloba - Maidenhair Tree	1,446.40	
32 93 43 00-0369	EA		3-1/2" Caliper Ginko Biloba - Maidenhair Tree	1,893.99	
32 93 43 00-0370	EA		4" Caliper Ginko Biloba - Maidenhair Tree	2,022.47	
32 93 43 00-0371	EA		4-1/2" Caliper Ginko Biloba - Maidenhair Tree	2,155.09	
32 93 43 00-0372	EA		24" Box Ginko Biloba - Maidenhair Tree	673.46	
32 93 43 00-0373	EA		15 Gallon Sapium sebiferum - Chinese Tallow Tree	248.66	
32 93 43 00-0374	EA		24" Box Sapium sebiferum - Chinese Tallow Tree	911.77	
32 93 43 00-0375	EA		4' To 5' Lagerstroemia indica - Crape Myrtle	285.24	
32 93 43 00-0376	EA		6' Lagerstroemia indica - Crape Myrtle	493.18	
32 93 43 00-0377	EA		8' Lagerstroemia indica - Crape Myrtle	509.76	
32 93 43 00-0378	EA		10' Lagerstroemia indica - Crape Myrtle	617.52	
32 93 43 00-0379	EA		24" Box Lagerstroemia indica - Crape Myrtle	484.89	
32 93 43 00-0380	EA		5 Gallon Celtis Sinensis - Chinese Hackberry	24.33	
32 93 43 00-0381	EA		15 Gallon Celtis Sinensis - Chinese Hackberry	64.14	
32 93 43 00-0382	EA		24" Box Celtis Sinensis - Chinese Hackberry	210.12	
32 93 43 00-0383	EA		36" Box Celtis Sinensis - Chinese Hackberry	613.77	
32 93 43 00-0384	EA		5 Gallon Crataegus phaenopyrum - Washington Hawthorn	24.33	
32 93 43 00-0385	EA		15 Gallon Crataegus phaenopyrum - Washington Hawthorn	64.14	
32 93 43 00-0386	EA		24" Box Crataegus phaenopyrum - Washington Hawthorn	210.12	
32 93 43 00-0387	EA		36" Box Crataegus phaenopyrum - Washington Hawthorn	613.77	
32 93 43 00-0388	EA		1 Gallon Eucalyptus ficifolia - Red-Flowering Gum	7.19	
32 93 43 00-0389	EA		5 Gallon Eucalyptus ficifolia - Red-Flowering Gum	19.91	
32 93 43 00-0390	EA		15 Gallon Eucalyptus ficifolia - Red-Flowering Gum	87.37	
32 93 43 00-0391	EA		24" Box Eucalyptus ficifolia - Red-Flowering Gum	210.12	
32 93 43 00-0392	EA		36" Box Eucalyptus ficifolia - Red-Flowering Gum	552.95	
32 93 43 00-0393	EA		15 Gallon Fraxinus velutina 'Raywood' - Fan-Tex Ash	54.19	
32 93 43 00-0394	EA		24" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	176.94	
32 93 43 00-0395	EA		36" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	470.01	
32 93 43 00-0396	EA		48" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	1,050.60	
32 93 43 00-0397	EA		5 Gallon Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	15.48	
32 93 43 00-0398	EA		15 Gallon Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	54.19	
32 93 43 00-0399	EA		24" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	176.94	
32 93 43 00-0400	EA		36" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	470.01	
32 93 43 00-0401	EA		48" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	1,050.60	
32 93 43 00-0402	EA		5 Gallon Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	15.48	
32 93 43 00-0403	EA		15 Gallon Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	65.25	
32 93 43 00-0404	EA		24" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	176.94	
32 93 43 00-0405	EA		36" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	497.66	
32 93 43 00-0406	EA		48" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	1,271.78	
32 93 43 00-0407	EA		5 Gallon Liquidambar styraciflua 'Festival' - Festival Sweetgum	15.48	
32 93 43 00-0408	EA		15 Gallon Liquidambar styraciflua 'Festival' - Festival Sweetgum	65.25	
32 93 43 00-0409	EA		24" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum	176.94	
32 93 43 00-0410	EA		36" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum	497.66	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 93 43 00-0411	EA	48"	Box Liquidambar styraciflua 'Festival' - Festival Sweetgum.....	1,271.78	
32 93 43 00-0412	EA	5 Gallon	Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum.....	15.48	
32 93 43 00-0413	EA	15 Gallon	Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum.....	65.25	
32 93 43 00-0414	EA	24"	Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum.....	176.94	
32 93 43 00-0415	EA	36"	Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum.....	497.66	
32 93 43 00-0416	EA	48"	Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum.....	1,271.78	
32 93 43 00-0417	EA	1 Gallon	Pittosporum undulatum - Victorian Box.....	4.98	
32 93 43 00-0418	EA	5 Gallon	Pittosporum undulatum - Victorian Box.....	15.48	
32 93 43 00-0419	EA	15 Gallon	Pittosporum undulatum - Victorian Box.....	65.25	
32 93 43 00-0420	EA	24"	Box Pittosporum undulatum - Victorian Box.....	176.94	
32 93 43 00-0421	EA	36"	Box Pittosporum undulatum - Victorian Box.....	497.66	
32 93 43 00-0422	EA	48"	Box Pittosporum undulatum - Victorian Box.....	1,271.78	
32 93 43 00-0423	EA	15 Gallon	Prunus cerasifera 'Thundercloud' - Thundercloud Purple Leaf Plum.....	55.24	
32 93 43 00-0424	EA	24"	Box Prunus cerasifera 'Thundercloud' - Thundercloud Purple Leaf Plum.....	199.01	

32 93 43 00-0425**Shade Trees** (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0426	EA	3-1/2"	To 4" Caliper Acer palmatum - Bloodgood Japanese Maple.....	204.30	
32 93 43 00-0427	EA	4"	To 4-1/2" Caliper Acer palmatum - Bloodgood Japanese Maple.....	250.44	
32 93 43 00-0428	EA	4-1/2"	To 5" Caliper Acer palmatum - Bloodgood Japanese Maple.....	326.22	
32 93 43 00-0429	EA	5"	To 6" Caliper Acer palmatum - Bloodgood Japanese Maple.....	422.88	
32 93 43 00-0430	EA	2'	To 2-1/2' Acer palmatum - Japanese Maple.....	21.55	
32 93 43 00-0431	EA	4'	To 5' Acer palmatum - Japanese Maple.....	45.25	
32 93 43 00-0432	EA	5'	To 6' Acer palmatum - Japanese Maple.....	59.26	
32 93 43 00-0433	EA	6'	To 7' Acer palmatum - Japanese Maple.....	107.74	
32 93 43 00-0434	EA	7'	To 8' Acer palmatum - Japanese Maple.....	150.84	
32 93 43 00-0435	EA	8'	To 10' Acer palmatum - Japanese Maple.....	193.94	
32 93 43 00-0436	EA	10'	To 12' Acer palmatum - Japanese Maple.....	258.58	
32 93 43 00-0437	EA	2"	Caliper Acer platanoides & cvs - Norway Maple.....	109.84	
32 93 43 00-0438	EA	2"	Caliper Acer platanoides & cvs - Norway Maple.....	133.72	
32 93 43 00-0439	EA	3"	Caliper Acer platanoides & cvs - Norway Maple.....	171.92	
32 93 43 00-0440	EA	3-1/2"	Caliper Acer platanoides & cvs - Norway Maple.....	200.58	
32 93 43 00-0441	EA	4"	Caliper Acer platanoides & cvs - Norway Maple.....	214.90	
32 93 43 00-0442	EA	4-1/2"	Caliper Acer platanoides & cvs - Norway Maple.....	234.01	
32 93 43 00-0443	EA	5"	Caliper Acer platanoides & cvs - Norway Maple.....	262.66	
32 93 43 00-0444	EA	2"	Caliper Acer rubrum & cvs - Red Maple.....	105.06	
32 93 43 00-0445	EA	2-1/2"	Caliper Acer rubrum & cvs - Red Maple.....	133.72	
32 93 43 00-0446	EA	3"	Caliper Acer rubrum & cvs - Red Maple.....	171.92	
32 93 43 00-0447	EA	3-1/2"	Caliper Acer rubrum & cvs - Red Maple.....	210.13	
32 93 43 00-0448	EA	4"	Caliper Acer rubrum & cvs - Red Maple.....	238.78	
32 93 43 00-0449	EA	4-1/2"	Caliper Acer rubrum & cvs - Red Maple.....	276.99	
32 93 43 00-0450	EA	5"	Caliper Acer rubrum & cvs - Red Maple.....	310.42	
32 93 43 00-0451	EA	8'	Clump Form Acer rubrum & cvs - Red Maple.....	128.94	
32 93 43 00-0452	EA	10'	Clump Form Acer rubrum & cvs - Red Maple.....	171.92	
32 93 43 00-0453	EA	12'	Clump Form Acer rubrum & cvs - Red Maple.....	200.58	
32 93 43 00-0454	EA	14'	Clump Form Acer rubrum & cvs - Red Maple.....	229.23	
32 93 43 00-0455	EA	16'	Clump Form Acer rubrum & cvs - Red Maple.....	257.89	
32 93 43 00-0456	EA	18'	Clump Form Acer rubrum & cvs - Red Maple.....	286.54	
32 93 43 00-0457	EA	2"	Caliper Acer saccharinum & cvs - Silver Maple.....	85.96	
32 93 43 00-0458	EA	2-1/2"	Caliper Acer saccharinum & cvs - Silver Maple.....	114.62	
32 93 43 00-0459	EA	3"	Caliper Acer saccharinum & cvs - Silver Maple.....	143.27	
32 93 43 00-0460	EA	3-1/2"	Caliper Acer saccharinum & cvs - Silver Maple.....	171.92	
32 93 43 00-0461	EA	4"	Caliper Acer saccharinum & cvs - Silver Maple.....	200.58	
32 93 43 00-0462	EA	4-1/2"	Caliper Acer saccharinum & cvs - Silver Maple.....	229.23	
32 93 43 00-0463	EA	5"	Caliper Acer saccharinum & cvs - Silver Maple.....	257.89	
32 93 43 00-0464	EA	2"	Caliper Acer saccharum & cvs - Sugar Maple.....	105.06	
32 93 43 00-0465	EA	2-1/2"	Caliper Acer saccharum & cvs - Sugar Maple.....	138.49	
32 93 43 00-0466	EA	3"	Caliper Acer saccharum & cvs - Sugar Maple.....	167.15	
32 93 43 00-0467	EA	3-1/2"	Caliper Acer saccharum & cvs - Sugar Maple.....	191.03	
32 93 43 00-0468	EA	4"	Caliper Acer saccharum & cvs - Sugar Maple.....	224.46	
32 93 43 00-0469	EA	4-1/2"	Caliper Acer saccharum & cvs - Sugar Maple.....	257.89	
32 93 43 00-0470	EA	5"	Caliper Acer saccharum & cvs - Sugar Maple.....	286.54	
32 93 43 00-0471	EA	10'	Clump Form Acer saccharum & cvs - Sugar Maple.....	191.03	
32 93 43 00-0472	EA	12'	Clump Form Acer saccharum & cvs - Sugar Maple.....	224.46	
32 93 43 00-0473	EA	14'	Clump Form Acer saccharum & cvs - Sugar Maple.....	262.66	
32 93 43 00-0474	EA	16'	Clump Form Acer saccharum & cvs - Sugar Maple.....	291.31	
32 93 43 00-0475	EA	18'	Clump Form Acer saccharum & cvs - Sugar Maple.....	353.40	
32 93 43 00-0476	EA	20'	Clump Form Acer saccharum & cvs - Sugar Maple.....	382.05	
32 93 43 00-0477	EA	2"	Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple.....	119.39	
32 93 43 00-0478	EA	2-1/2"	Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple.....	148.05	
32 93 43 00-0479	EA	3"	Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple.....	181.47	
32 93 43 00-0480	EA	3-1/2"	Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple.....	210.13	
32 93 43 00-0481	EA	4"	Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple.....	229.23	
32 93 43 00-0482	EA	4-1/2"	Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple.....	253.11	
32 93 43 00-0483	EA	5"	Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple.....	281.76	
32 93 43 00-0484	EA	10'	Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple.....	171.92	
32 93 43 00-0485	EA	12'	Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple.....	227.32	
32 93 43 00-0486	EA	14'	Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple.....	264.57	
32 93 43 00-0487	EA	16'	Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple.....	291.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0488 EA 18' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple.....	353.40	
32 93 43 00-0489 EA 20' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple.....	382.05	
32 93 43 00-0490 EA 2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	167.15	
32 93 43 00-0491 EA 2-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	186.25	
32 93 43 00-0492 EA 3" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	210.13	
32 93 43 00-0493 EA 3-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	238.78	
32 93 43 00-0494 EA 4" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	286.54	
32 93 43 00-0495 EA 2" Caliper Aesculus x carnea - Red Horsechestnut.....	167.15	
32 93 43 00-0496 EA 2-1/2" Caliper Aesculus x carnea - Red Horsechestnut.....	186.25	
32 93 43 00-0497 EA 3" Caliper Aesculus x carnea - Red Horsechestnut.....	210.13	
32 93 43 00-0498 EA 3-1/2" Caliper Aesculus x carnea - Red Horsechestnut.....	238.78	
32 93 43 00-0499 EA 4" Caliper Aesculus x carnea - Red Horsechestnut.....	286.54	
32 93 43 00-0500 EA 2" Caliper Alnus glutinosa - Common Alder, Black Alder.....	119.39	
32 93 43 00-0501 EA 2-1/2" Caliper Alnus glutinosa - Common Alder, Black Alder.....	138.49	
32 93 43 00-0502 EA 3" Caliper Alnus glutinosa - Common Alder, Black Alder.....	157.60	
32 93 43 00-0503 EA 3-1/2" Caliper Alnus glutinosa - Common Alder, Black Alder.....	181.47	
32 93 43 00-0504 EA 8' Clump Form Alnus glutinosa - Common Alder, Black Alder.....	124.17	
32 93 43 00-0505 EA 10' Clump Form Alnus glutinosa - Common Alder, Black Alder.....	152.82	
32 93 43 00-0506 EA 12' Clump Form Alnus glutinosa - Common Alder, Black Alder.....	171.92	
32 93 43 00-0507 EA 14' Clump Form Alnus glutinosa - Common Alder, Black Alder.....	191.03	
32 93 43 00-0508 EA 16' Clump Form Alnus glutinosa - Common Alder, Black Alder.....	214.90	
32 93 43 00-0509 EA 18' Clump Form Alnus glutinosa - Common Alder, Black Alder.....	238.78	
32 93 43 00-0510 EA 2" Caliper Betula nigra - River Birch.....	119.39	
32 93 43 00-0511 EA 2-1/2" Caliper Betula nigra - River Birch.....	135.20	
32 93 43 00-0512 EA 3" Caliper Betula nigra - River Birch.....	152.82	
32 93 43 00-0513 EA 3-1/2" Caliper Betula nigra - River Birch.....	191.03	
32 93 43 00-0514 EA 4" Caliper Betula nigra - River Birch.....	214.90	
32 93 43 00-0515 EA 4-1/2" Caliper Betula nigra - River Birch.....	238.78	
32 93 43 00-0516 EA 5" Caliper Betula nigra - River Birch.....	262.66	
32 93 43 00-0517 EA 8' Clump Form Betula nigra - River Birch.....	109.84	
32 93 43 00-0518 EA 10' Clump Form Betula nigra - River Birch.....	124.17	
32 93 43 00-0519 EA 12' Clump Form Betula nigra - River Birch.....	143.27	
32 93 43 00-0520 EA 14' Clump Form Betula nigra - River Birch.....	167.15	
32 93 43 00-0521 EA 16' Clump Form Betula nigra - River Birch.....	191.03	
32 93 43 00-0522 EA 12' Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	143.27	
32 93 43 00-0523 EA 14' Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	171.92	
32 93 43 00-0524 EA 16' Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	200.58	
32 93 43 00-0525 EA 18' Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	238.78	
32 93 43 00-0526 EA 20' Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	248.33	
32 93 43 00-0527 EA 10' - 12' Bursera Simaruba - Gumbo Limbo.....	60.41	
32 93 43 00-0528 EA 12' - 14' Bursera Simaruba - Gumbo Limbo.....	71.40	
32 93 43 00-0529 EA 14' - 16' Bursera Simaruba - Gumbo Limbo.....	98.86	
32 93 43 00-0530 EA 17' - 18' Bursera Simaruba - Gumbo Limbo.....	128.51	
32 93 43 00-0531 EA 19' - 20' Bursera Simaruba - Gumbo Limbo.....	142.79	
32 93 43 00-0532 EA 21' - 22' Bursera Simaruba - Gumbo Limbo.....	169.15	
32 93 43 00-0533 EA 2" Caliper Carpinus betulus & cvs - European Hornbeam.....	191.03	
32 93 43 00-0534 EA 2-1/2" Caliper Carpinus betulus & cvs - European Hornbeam.....	214.90	
32 93 43 00-0535 EA 3" Caliper Carpinus betulus & cvs - European Hornbeam.....	248.33	
32 93 43 00-0536 EA 3-1/2" Caliper Carpinus betulus & cvs - European Hornbeam.....	300.87	
32 93 43 00-0537 EA 6' Clump Form Carpinus betulus & cvs - European Hornbeam.....	85.96	
32 93 43 00-0538 EA 7' Clump Form Carpinus betulus & cvs - European Hornbeam.....	119.39	
32 93 43 00-0539 EA 8' Clump Form Carpinus betulus & cvs - European Hornbeam.....	148.05	
32 93 43 00-0540 EA 2" Caliper Catalpa speciosa - Western Catalpa.....	105.06	
32 93 43 00-0541 EA 2-1/2" Caliper Catalpa speciosa - Western Catalpa.....	143.27	
32 93 43 00-0542 EA 3" Caliper Catalpa speciosa - Western Catalpa.....	186.25	
32 93 43 00-0543 EA 3-1/2" Caliper Catalpa speciosa - Western Catalpa.....	224.46	
32 93 43 00-0544 EA 4" Caliper Catalpa speciosa - Western Catalpa.....	257.89	
32 93 43 00-0545 EA 2" Caliper Celtis occidentalis & cvs - Common Hackberry.....	133.72	
32 93 43 00-0546 EA 2-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry.....	152.82	
32 93 43 00-0547 EA 3" Caliper Celtis occidentalis & cvs - Common Hackberry.....	186.25	
32 93 43 00-0548 EA 3-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry.....	219.68	
32 93 43 00-0549 EA 4" Caliper Celtis occidentalis & cvs - Common Hackberry.....	253.11	
32 93 43 00-0550 EA 4-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry.....	286.54	
32 93 43 00-0551 EA 3" Caliper Cercidiphyllum japonicum - Katsuratree.....	167.15	
32 93 43 00-0552 EA 3-1/2" Caliper Cercidiphyllum japonicum - Katsuratree.....	191.03	
32 93 43 00-0553 EA 4" Caliper Cercidiphyllum japonicum - Katsuratree.....	224.46	
32 93 43 00-0554 EA 5" Caliper Cercidiphyllum japonicum - Katsuratree.....	267.44	
32 93 43 00-0555 EA 6' Clump Form Cercidiphyllum japonicum - Katsuratree.....	133.72	
32 93 43 00-0556 EA 7' Clump Form Cercidiphyllum japonicum - Katsuratree.....	157.60	
32 93 43 00-0557 EA 8' Clump Form Cercidiphyllum japonicum - Katsuratree.....	191.03	
32 93 43 00-0558 EA 10' Clump Form Cercidiphyllum japonicum - Katsuratree.....	238.78	
32 93 43 00-0559 EA 12' Clump Form Cercidiphyllum japonicum - Katsuratree.....	286.54	
32 93 43 00-0560 EA 2" Caliper Cladrastus lutea - American Yellowwood.....	238.78	
32 93 43 00-0561 EA 2-1/2" Caliper Cladrastus lutea - American Yellowwood.....	286.54	
32 93 43 00-0562 EA 3" Caliper Cladrastus lutea - American Yellowwood.....	334.30	
32 93 43 00-0563 EA 3-1/2" Caliper Cladrastus lutea - American Yellowwood.....	382.05	
32 93 43 00-0564 EA 2" Caliper Corylus columna californica - Western Turkish Filbert.....	148.05	
32 93 43 00-0565 EA 2-1/2" Caliper Corylus columna californica - Western Turkish Filbert.....	167.15	
32 93 43 00-0566 EA 3" Caliper Corylus columna californica - Western Turkish Filbert.....	191.03	
32 93 43 00-0567 EA 3-1/2" Caliper Corylus columna californica - Western Turkish Filbert.....	219.68	
32 93 43 00-0568 EA 4" Caliper Corylus columna californica - Western Turkish Filbert.....	262.66	

32 Exterior Improvements**32 90 Planting**

32 93 Plants



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 93 43 00-0569	EA	4-1/2"	Caliper Corylus columna californica - Western Turkish Filbert	305.64	
32 93 43 00-0570	EA	5"	Caliper Corylus columna californica - Western Turkish Filbert	348.62	
32 93 43 00-0571	EA	8'	Clump Form Corylus cornuta californica - Western Filbert	133.72	
32 93 43 00-0572	EA	10'	Clump Form Corylus cornuta californica - Western Filbert	162.37	
32 93 43 00-0573	EA	12'	Clump Form Corylus cornuta californica - Western Filbert	191.03	
32 93 43 00-0574	EA	14'	Clump Form Corylus columna californica - Western Turkish Filbert	214.90	
32 93 43 00-0575	EA	16'	Clump Form Corylus columna californica - Western Turkish Filbert	238.78	
32 93 43 00-0576	EA	1-1/2"	Caliper Diospyros - Persimmon	85.96	
32 93 43 00-0577	EA	2"	Caliper Diospyros - Persimmon	105.06	
32 93 43 00-0578	EA	2-1/2"	Caliper Diospyros - Persimmon	133.72	
32 93 43 00-0579	EA	3"	Caliper Diospyros - Persimmon	167.15	
32 93 43 00-0580	EA	3-1/2"	Caliper Diospyros - Persimmon	200.58	
32 93 43 00-0581	EA	1-1/2"	Caliper Fagus grandifolia - American Beech	191.03	
32 93 43 00-0582	EA	2"	Caliper Fagus grandifolia - American Beech	248.33	
32 93 43 00-0583	EA	2-1/2"	Caliper Fagus grandifolia - American Beech	315.19	
32 93 43 00-0584	EA	3"	Caliper Fagus grandifolia - American Beech	382.05	
32 93 43 00-0585	EA	3-1/2"	Caliper Fagus grandifolia - American Beech	453.69	
32 93 43 00-0586	EA	2"	Caliper Fagus sylvatica & cvs - European Beech	214.90	
32 93 43 00-0587	EA	2-1/2"	Caliper Fagus sylvatica & cvs - European Beech	257.89	
32 93 43 00-0588	EA	3"	Caliper Fagus sylvatica & cvs - European Beech	310.42	
32 93 43 00-0589	EA	3-1/2"	Caliper Fagus sylvatica & cvs - European Beech	343.85	
32 93 43 00-0590	EA	4"	Caliper Fagus sylvatica & cvs - European Beech	405.93	
32 93 43 00-0591	EA	4-1/2"	Caliper Fagus sylvatica & cvs - European Beech	525.32	
32 93 43 00-0592	EA	5"	Caliper Fagus sylvatica & cvs - European Beech	620.83	
32 93 43 00-0593	EA	2"	Caliper Fraxinus americana & cvs - White Ash	119.39	
32 93 43 00-0594	EA	2-1/2"	Caliper Fraxinus americana & cvs - White Ash	143.27	
32 93 43 00-0595	EA	3"	Caliper Fraxinus americana & cvs - White Ash	181.47	
32 93 43 00-0596	EA	3-1/2"	Caliper Fraxinus americana & cvs - White Ash	219.68	
32 93 43 00-0597	EA	4"	Caliper Fraxinus americana & cvs - White Ash	257.89	
32 93 43 00-0598	EA	4-1/2"	Caliper Fraxinus americana & cvs - White Ash	286.54	
32 93 43 00-0599	EA	5"	Caliper Fraxinus americana & cvs - White Ash	334.30	
32 93 43 00-0600	EA	2"	Caliper Fraxinus pennsylvanica & cvs - Green Ash	105.06	
32 93 43 00-0601	EA	2-1/2"	Caliper Fraxinus pennsylvanica & cvs - Green Ash	124.17	
32 93 43 00-0602	EA	3"	Caliper Fraxinus pennsylvanica & cvs - Green Ash	167.15	
32 93 43 00-0603	EA	3-1/2"	Caliper Fraxinus pennsylvanica & cvs - Green Ash	200.58	
32 93 43 00-0604	EA	4"	Caliper Fraxinus pennsylvanica & cvs - Green Ash	238.78	
32 93 43 00-0605	EA	4-1/2"	Caliper Fraxinus pennsylvanica & cvs - Green Ash	257.89	
32 93 43 00-0606	EA	5"	Caliper Fraxinus pennsylvanica & cvs - Green Ash	286.54	
32 93 43 00-0607	EA	1-1/2"	Caliper Fraxinus quadrangulata - Blue Ash	143.27	
32 93 43 00-0608	EA	2"	Caliper Fraxinus quadrangulata - Blue Ash	176.70	
32 93 43 00-0609	EA	2-1/2"	Caliper Fraxinus quadrangulata - Blue Ash	214.90	
32 93 43 00-0610	EA	3"	Caliper Fraxinus quadrangulata - Blue Ash	262.66	
32 93 43 00-0611	EA	3-1/2"	Caliper Fraxinus quadrangulata - Blue Ash	310.42	
32 93 43 00-0612	EA	1-1/2"	Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	167.15	
32 93 43 00-0613	EA	2"	Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	186.25	
32 93 43 00-0614	EA	2-1/2"	Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	210.13	
32 93 43 00-0615	EA	3"	Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	234.01	
32 93 43 00-0616	EA	3-1/2"	Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	262.66	
32 93 43 00-0617	EA	4"	Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	286.54	
32 93 43 00-0618	EA	4-1/2"	Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	429.81	
32 93 43 00-0619	EA	5"	Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	477.57	
32 93 43 00-0620	EA	2"	Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	114.62	
32 93 43 00-0621	EA	2-1/2"	Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	143.27	
32 93 43 00-0622	EA	3"	Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	171.92	
32 93 43 00-0623	EA	3-1/2"	Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	200.58	
32 93 43 00-0624	EA	4"	Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	229.23	
32 93 43 00-0625	EA	4-1/2"	Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	257.89	
32 93 43 00-0626	EA	5"	Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	305.64	
32 93 43 00-0627	EA	2"	Caliper Gymnocladus dioicus - Kentucky Coffeetree	148.05	
32 93 43 00-0628	EA	2-1/2"	Caliper Gymnocladus dioicus - Kentucky Coffeetree	181.47	
32 93 43 00-0629	EA	3"	Caliper Gymnocladus dioicus - Kentucky Coffeetree	214.90	
32 93 43 00-0630	EA	3-1/2"	Caliper Gymnocladus dioicus - Kentucky Coffeetree	253.11	
32 93 43 00-0631	EA	4"	Caliper Gymnocladus dioicus - Kentucky Coffeetree	286.54	
32 93 43 00-0632	EA	4-1/2"	Caliper Gymnocladus dioicus - Kentucky Coffeetree	319.97	
32 93 43 00-0633	EA	5"	Caliper Gymnocladus dioicus - Kentucky Coffeetree	358.17	
32 93 43 00-0634	EA	1-1/2"	Caliper Juglans cinerea - Butternut	114.62	
32 93 43 00-0635	EA	2"	Caliper Juglans cinerea - Butternut	133.72	
32 93 43 00-0636	EA	2-1/2"	Caliper Juglans cinerea - Butternut	167.15	
32 93 43 00-0637	EA	3"	Caliper Juglans cinerea - Butternut	210.13	
32 93 43 00-0638	EA	3-1/2"	Caliper Juglans cinerea - Butternut	257.89	
32 93 43 00-0639	EA	1-1/2"	Caliper Juglans californica - California Walnut	114.62	
32 93 43 00-0640	EA	2"	Caliper Juglans californica - California Walnut	133.72	
32 93 43 00-0641	EA	2-1/2"	Caliper Juglans californica - California Walnut	167.15	
32 93 43 00-0642	EA	3"	Caliper Juglans californica - California Walnut	210.13	
32 93 43 00-0643	EA	3-1/2"	Caliper Juglans californica - California Walnut	257.89	
32 93 43 00-0644	EA	4"	Caliper Juglans californica - California Walnut	310.42	
32 93 43 00-0645	EA	4-1/2"	Caliper Juglans californica - California Walnut	358.17	
32 93 43 00-0646	EA	5"	Caliper Juglans californica - California Walnut	405.93	
32 93 43 00-0647	EA	5 Gallon	Koelreuteria Paniculata - Goldenrain Tree	12.93	
32 93 43 00-0648	EA	15 Gallon	Koelreuteria Paniculata - Goldenrain Tree	32.32	
32 93 43 00-0649	EA	20 Gallon	Koelreuteria Paniculata - Goldenrain Tree	64.65	



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
32 93 43 00-0650	EA	55 Gallon Koelreuteria Paniculata - Goldenrain Tree	84.04	
32 93 43 00-0651	EA	1-1/2" To 2" Caliper Koelreuteria Paniculata - Goldenrain Tree	61.41	
32 93 43 00-0652	EA	2" To 2-1/2" Caliper Koelreuteria Paniculata - Goldenrain Tree	74.34	
32 93 43 00-0653	EA	2-1/2" To 3" Caliper Koelreuteria Paniculata - Goldenrain Tree	103.43	
32 93 43 00-0654	EA	1-1/2" Caliper Liquidambar styraciflua - American Sweetgum	152.82	
32 93 43 00-0655	EA	2" Caliper Liquidambar styraciflua - American Sweetgum	191.03	
32 93 43 00-0656	EA	2-1/2" Caliper Liquidambar styraciflua - American Sweetgum	238.78	
32 93 43 00-0657	EA	3" Caliper Liquidambar styraciflua - American Sweetgum	286.54	
32 93 43 00-0658	EA	3-1/2" Caliper Liquidambar styraciflua - American Sweetgum	334.30	
32 93 43 00-0659	EA	1-1/2" Caliper Liriodendron tulipifera - Tulip Tree	152.82	
32 93 43 00-0660	EA	2" Caliper Liriodendron tulipifera - Tulip Tree	210.13	
32 93 43 00-0661	EA	2-1/2" Caliper Liriodendron tulipifera - Tulip Tree	248.33	
32 93 43 00-0662	EA	3" Caliper Liriodendron tulipifera - Tulip Tree	286.54	
32 93 43 00-0663	EA	3-1/2" Caliper Liriodendron tulipifera - Tulip Tree	324.74	
32 93 43 00-0664	EA	8' Clump Form Liriodendron tulipifera - Tulip Tree	114.62	
32 93 43 00-0665	EA	10' Clump Form Liriodendron tulipifera - Tulip Tree	205.35	
32 93 43 00-0666	EA	12' Clump Form Liriodendron tulipifera - Tulip Tree	248.33	
32 93 43 00-0667	EA	1-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	152.82	
32 93 43 00-0668	EA	2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	191.03	
32 93 43 00-0669	EA	2-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	238.78	
32 93 43 00-0670	EA	3" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	286.54	
32 93 43 00-0671	EA	3-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	334.30	
32 93 43 00-0672	EA	4' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	66.86	
32 93 43 00-0673	EA	5' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	76.41	
32 93 43 00-0674	EA	6' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	90.74	
32 93 43 00-0675	EA	7' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	114.62	
32 93 43 00-0676	EA	8' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	143.27	
32 93 43 00-0677	EA	2" Caliper Ostrya virginiana - American Hophornbeam	124.17	
32 93 43 00-0678	EA	2-1/2" Caliper Ostrya virginiana - American Hophornbeam	157.60	
32 93 43 00-0679	EA	3" Caliper Ostrya virginiana - American Hophornbeam	191.03	
32 93 43 00-0680	EA	3-1/2" Caliper Ostrya virginiana - American Hophornbeam	224.46	
32 93 43 00-0681	EA	4" Caliper Ostrya virginiana - American Hophornbeam	272.21	
32 93 43 00-0682	EA	2" Caliper Phellodendron amurense - Amur Corktree	95.51	
32 93 43 00-0683	EA	2-1/2" Caliper Phellodendron amurense - Amur Corktree	119.39	
32 93 43 00-0684	EA	3" Caliper Phellodendron amurense - Amur Corktree	143.27	
32 93 43 00-0685	EA	3-1/2" Caliper Phellodendron amurense - Amur Corktree	167.15	
32 93 43 00-0686	EA	4" Caliper Phellodendron amurense - Amur Corktree	191.03	
32 93 43 00-0687	EA	4-1/2" Caliper Phellodendron amurense - Amur Corktree	214.90	
32 93 43 00-0688	EA	5" Caliper Phellodendron amurense - Amur Corktree	238.78	
32 93 43 00-0689	EA	30" Box Platanus Occidentalis - Buttonwood Sycamore	207.48	
32 93 43 00-0690	EA	36" Box Platanus Occidentalis - Buttonwood Sycamore	301.79	
32 93 43 00-0691	EA	42" Box Platanus occidentalis - Buttonwood Sycamore	448.93	
32 93 43 00-0692	EA	1-1/2" To 2" Caliper Platanus occidentalis - Buttonwood Sycamore	69.42	
32 93 43 00-0693	EA	2" To 2-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore	83.00	
32 93 43 00-0694	EA	2-1/2" To 3" Caliper Platanus occidentalis - Buttonwood Sycamore	113.17	
32 93 43 00-0695	EA	3" To 3-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore	137.34	
32 93 43 00-0696	EA	8' To 10' Platanus occidentalis - Green Or Silver Buttonwood	57.12	
32 93 43 00-0697	EA	10' To 12' Platanus occidentalis - Green Or Silver Buttonwood	71.40	
32 93 43 00-0698	EA	12' To 14' Platanus occidentalis - Green Or Silver Buttonwood	126.32	
32 93 43 00-0699	EA	16' To 18' Platanus occidentalis - Green Or Silver Buttonwood	181.24	
32 93 43 00-0700	EA	2" Caliper Platanus x acerifolia & cvs - London Planetree	114.62	
32 93 43 00-0701	EA	2-1/2" Caliper Platanus x acerifolia & cvs - London Planetree	138.49	
32 93 43 00-0702	EA	3" Caliper Platanus x acerifolia & cvs - London Planetree	167.15	
32 93 43 00-0703	EA	3-1/2" Caliper Platanus x acerifolia & cvs - London Planetree	200.58	
32 93 43 00-0704	EA	4" Caliper Platanus x acerifolia & cvs - London Planetree	238.78	
32 93 43 00-0705	EA	2" Caliper Populus alba & cvs - White Poplar	114.62	
32 93 43 00-0706	EA	2-1/2" Caliper Populus alba & cvs - White Poplar	133.72	
32 93 43 00-0707	EA	3" Caliper Populus alba & cvs - White Poplar	152.82	
32 93 43 00-0708	EA	3-1/2" Caliper Populus alba & cvs - White Poplar	181.47	
32 93 43 00-0709	EA	4" Caliper Populus alba & cvs - White Poplar	200.58	
32 93 43 00-0710	EA	4-1/2" Caliper Populus alba & cvs - White Poplar	229.23	
32 93 43 00-0711	EA	2" Caliper Populus deltoides & cvs - Eastern Cottonwood	105.06	
32 93 43 00-0712	EA	2-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood	138.49	
32 93 43 00-0713	EA	3" Caliper Populus deltoides & cvs - Eastern Cottonwood	167.15	
32 93 43 00-0714	EA	3-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood	200.58	
32 93 43 00-0715	EA	4" Caliper Populus deltoides & cvs - Eastern Cottonwood	238.78	
32 93 43 00-0716	EA	6' To 8' Quercus acutissima - Sawtooth Oak	35.91	
32 93 43 00-0717	EA	8' To 10' Quercus acutissima - Sawtooth Oak	53.87	
32 93 43 00-0718	EA	10' To 12' Quercus acutissima - Sawtooth Oak	62.85	
32 93 43 00-0719	EA	1-1/2" To 2" Caliper Quercus acutissima - Sawtooth Oak	71.83	
32 93 43 00-0720	EA	2" To 2-1/2" Caliper Quercus acutissima - Sawtooth Oak	80.81	
32 93 43 00-0721	EA	2" Caliper Quercus alba - White Oak	143.27	
32 93 43 00-0722	EA	2-1/2" Caliper Quercus alba - White Oak	167.15	
32 93 43 00-0723	EA	3" Caliper Quercus alba - White Oak	210.13	
32 93 43 00-0724	EA	3-1/2" Caliper Quercus alba - White Oak	262.66	
32 93 43 00-0725	EA	4" Caliper Quercus alba - White Oak	310.42	
32 93 43 00-0726	EA	4-1/2" Caliper Quercus alba - White Oak	382.05	
32 93 43 00-0727	EA	5" Caliper Quercus alba - White Oak	453.69	
32 93 43 00-0728	EA	2" Caliper Quercus bicolor - Swamp White Oak	167.15	
32 93 43 00-0729	EA	2-1/2" Caliper Quercus bicolor - Swamp White Oak	191.03	
32 93 43 00-0730	EA	3" Caliper Quercus bicolor - Swamp White Oak	219.68	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-0731	EA	3-1/2" Caliper Quercus bicolor - Swamp White Oak	243.56
32 93 43 00-0732	EA	4" Caliper Quercus bicolor - Swamp White Oak	276.99
32 93 43 00-0733	EA	4-1/2" Caliper Quercus bicolor - Swamp White Oak	305.64
32 93 43 00-0734	EA	5" Caliper Quercus bicolor - Swamp White Oak	343.85
32 93 43 00-0735	EA	10' Clump Form Quercus bicolor - Swamp White Oak	238.78
32 93 43 00-0736	EA	12' Clump Form Quercus bicolor - Swamp White Oak	286.54
32 93 43 00-0737	EA	14' Clump Form Quercus bicolor - Swamp White Oak	334.30
32 93 43 00-0738	EA	16' Clump Form Quercus bicolor - Swamp White Oak	382.05
32 93 43 00-0739	EA	2" Caliper Quercus coccinea - Scarlet Oak	124.17
32 93 43 00-0740	EA	2-1/2" Caliper Quercus coccinea - Scarlet Oak	157.60
32 93 43 00-0741	EA	3" Caliper Quercus coccinea - Scarlet Oak	195.80
32 93 43 00-0742	EA	3-1/2" Caliper Quercus coccinea - Scarlet Oak	238.78
32 93 43 00-0743	EA	4" Caliper Quercus coccinea - Scarlet Oak	286.54
32 93 43 00-0744	EA	4-1/2" Caliper Quercus coccinea - Scarlet Oak	339.07
32 93 43 00-0745	EA	5" Caliper Quercus coccinea - Scarlet Oak	396.38
32 93 43 00-0746	EA	1-1/2" Caliper Quercus imbricaria - Shingle Oak	124.17
32 93 43 00-0747	EA	2" Caliper Quercus imbricaria - Shingle Oak	167.15
32 93 43 00-0748	EA	2-1/2" Caliper Quercus imbricaria - Shingle Oak	224.46
32 93 43 00-0749	EA	3" Caliper Quercus imbricaria - Shingle Oak	334.30
32 93 43 00-0750	EA	3-1/2" Caliper Quercus imbricaria - Shingle Oak	453.69
32 93 43 00-0751	EA	1-1/2" Caliper Quercus macrocarpa - Bur Oak	124.17
32 93 43 00-0752	EA	2" Caliper Quercus macrocarpa - Bur Oak	148.05
32 93 43 00-0753	EA	2-1/2" Caliper Quercus macrocarpa - Bur Oak	176.70
32 93 43 00-0754	EA	3" Caliper Quercus macrocarpa - Bur Oak	214.90
32 93 43 00-0755	EA	3-1/2" Caliper Quercus macrocarpa - Bur Oak	262.66
32 93 43 00-0756	EA	4" Caliper Quercus macrocarpa - Bur Oak	310.42
32 93 43 00-0757	EA	9' Clump Form Quercus macrocarpa - Bur Oak	286.54
32 93 43 00-0758	EA	10' Clump Form Quercus macrocarpa - Bur Oak	334.30
32 93 43 00-0759	EA	12' Clump Form Quercus macrocarpa - Bur Oak	382.05
32 93 43 00-0760	EA	2" Caliper Quercus palustris - Pin Oak	105.06
32 93 43 00-0761	EA	2-1/2" Caliper Quercus palustris - Pin Oak	143.27
32 93 43 00-0762	EA	3" Caliper Quercus palustris - Pin Oak	186.25
32 93 43 00-0763	EA	3-1/2" Caliper Quercus palustris - Pin Oak	214.90
32 93 43 00-0764	EA	4" Caliper Quercus palustris - Pin Oak	248.33
32 93 43 00-0765	EA	4-1/2" Caliper Quercus palustris - Pin Oak	281.76
32 93 43 00-0766	EA	5" Caliper Quercus palustris - Pin Oak	310.42
32 93 43 00-0767	EA	2" Caliper Quercus robur & cvs - English Oak	124.17
32 93 43 00-0768	EA	2-1/2" Caliper Quercus robur & cvs - English Oak	152.82
32 93 43 00-0769	EA	3" Caliper Quercus robur & cvs - English Oak	181.47
32 93 43 00-0770	EA	3-1/2" Caliper Quercus robur & cvs - English Oak	214.90
32 93 43 00-0771	EA	4" Caliper Quercus robur & cvs - English Oak	248.33
32 93 43 00-0772	EA	4-1/2" Caliper Quercus robur & cvs - English Oak	286.54
32 93 43 00-0773	EA	5" Caliper Quercus robur & cvs - English Oak	324.74
32 93 43 00-0774	EA	2" Caliper Quercus rubra - Red Oak	143.27
32 93 43 00-0775	EA	2-1/2" Caliper Quercus rubra - Red Oak	167.15
32 93 43 00-0776	EA	3" Caliper Quercus rubra - Red Oak	200.58
32 93 43 00-0777	EA	3-1/2" Caliper Quercus rubra - Red Oak	238.78
32 93 43 00-0778	EA	4" Caliper Quercus rubra - Red Oak	286.54
32 93 43 00-0779	EA	4-1/2" Caliper Quercus rubra - Red Oak	334.30
32 93 43 00-0780	EA	5" Caliper Quercus rubra - Red Oak	382.05
32 93 43 00-0781	EA	16' Clump Form Quercus rubra - Red Oak	310.42
32 93 43 00-0782	EA	18' Clump Form Quercus rubra - Red Oak	372.50
32 93 43 00-0783	EA	20' Clump Form Quercus rubra - Red Oak	415.48
32 93 43 00-0784	EA	2" Caliper Quercus shumardii - Shumard Oak	162.37
32 93 43 00-0785	EA	2-1/2" Caliper Quercus shumardii - Shumard Oak	205.35
32 93 43 00-0786	EA	3" Caliper Quercus shumardii - Shumard Oak	238.78
32 93 43 00-0787	EA	3-1/2" Caliper Quercus shumardii - Shumard Oak	286.54
32 93 43 00-0788	EA	4" Caliper Quercus shumardii - Shumard Oak	334.30
32 93 43 00-0789	EA	4-1/2" Caliper Quercus shumardii - Shumard Oak	382.05
32 93 43 00-0790	EA	5" Caliper Quercus shumardii - Shumard Oak	429.81
32 93 43 00-0791	EA	3" To 3-1/2" Caliper Quercus virginiana - Live Oak	284.44
32 93 43 00-0792	EA	3-1/2" To 4" Caliper Quercus virginiana - Live Oak	383.34
32 93 43 00-0793	EA	4" To 4-1/2" Caliper Quercus virginiana - Live Oak	518.44
32 93 43 00-0794	EA	4-1/2" To 5" Caliper Quercus virginiana - Live Oak	691.99
32 93 43 00-0795	EA	5" To 5-1/2" Caliper Quercus virginiana - Live Oak	834.78
32 93 43 00-0796	EA	5-1/2" To 6" Caliper Quercus virginiana - Live Oak	922.66
32 93 43 00-0797	EA	6" To 6-1/2" Caliper Quercus virginiana - Live Oak	1,241.19
32 93 43 00-0798	EA	6-1/2" To 7" Caliper Quercus virginiana - Live Oak	1,559.73
32 93 43 00-0799	EA	7" To 7-1/2" Caliper Quercus virginiana - Live Oak	1,878.26
32 93 43 00-0800	EA	7-1/2" To 8" Caliper Quercus virginiana - Live Oak	2,279.18
32 93 43 00-0801	EA	8" To 8-1/2" Caliper Quercus virginiana - Live Oak	2,680.10
32 93 43 00-0802	EA	2" Caliper Quercus schuettii - Swamp Bur Oak	143.27
32 93 43 00-0803	EA	2-1/2" Caliper Quercus schuettii - Swamp Bur Oak	171.92
32 93 43 00-0804	EA	3" Caliper Quercus schuettii - Swamp Bur Oak	214.90
32 93 43 00-0805	EA	3-1/2" Caliper Quercus schuettii - Swamp Bur Oak	262.66
32 93 43 00-0806	EA	4" Caliper Quercus schuettii - Swamp Bur Oak	305.64
32 93 43 00-0807	EA	4-1/2" Caliper Quercus schuettii - Swamp Bur Oak	343.85
32 93 43 00-0808	EA	2" Caliper Salix alba & cvs - White Willow	76.41
32 93 43 00-0809	EA	2-1/2" Caliper Salix alba & cvs - White Willow	90.74
32 93 43 00-0810	EA	3" Caliper Salix alba & cvs - White Willow	119.39
32 93 43 00-0811	EA	3-1/2" Caliper Salix alba & cvs - White Willow	143.27



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0812	EA		4" Caliper Salix alba & cvs - White Willow	171.92	
32 93 43 00-0813	EA		4-1/2" Caliper Salix alba & cvs - White Willow	200.58	
32 93 43 00-0814	EA		5" Caliper Salix alba & cvs - White Willow	229.23	
32 93 43 00-0815	EA		24" Box Salix babylonica - Weeping Willow	120.71	
32 93 43 00-0816	EA		36" Box Salix babylonica - Weeping Willow	301.79	
32 93 43 00-0817	EA		1-1/2" To 2" Caliper Salix babylonica - Weeping Willow	69.42	
32 93 43 00-0818	EA		2" To 2-1/2" Caliper Salix babylonica - Weeping Willow	83.00	
32 93 43 00-0819	EA		2-1/2" To 3" Caliper Salix babylonica - Weeping Willow	90.54	
32 93 43 00-0820	EA		5' Clump Form Sassafras albidum - Common Sassafras	90.74	
32 93 43 00-0821	EA		6' Clump Form Sassafras albidum - Common Sassafras	109.84	
32 93 43 00-0822	EA		7' Clump Form Sassafras albidum - Common Sassafras	138.49	
32 93 43 00-0823	EA		8' Clump Form Sassafras albidum - Common Sassafras	157.60	
32 93 43 00-0824	EA		10' Clump Form Sassafras albidum - Common Sassafras	176.70	
32 93 43 00-0825	EA		12' Clump Form Sassafras albidum - Common Sassafras	214.90	
32 93 43 00-0826	EA		14' Clump Form Sassafras albidum - Common Sassafras	262.66	
32 93 43 00-0827	EA		16' Clump Form Sassafras albidum - Common Sassafras	310.42	
32 93 43 00-0828	EA		1-3/4" Caliper Sophora japonica - Chinese Scholar	158.17	
32 93 43 00-0829	EA		2" Caliper Sophora japonica - Chinese Scholar	175.74	
32 93 43 00-0830	EA		2-1/2" Caliper Sophora japonica - Chinese Scholar	236.16	
32 93 43 00-0831	EA		3" Caliper Sophora japonica - Chinese Scholar	307.55	
32 93 43 00-0832	EA		3-1/2" Caliper Sophora japonica - Chinese Scholar	356.98	
32 93 43 00-0833	EA		10' To 12' Swietenia Mahagoni - Mahogany	84.58	
32 93 43 00-0834	EA		12' To 14' Swietenia Mahagoni - Mahogany	98.86	
32 93 43 00-0835	EA		14' To 16' Swietenia Mahagoni - Mahogany	131.81	
32 93 43 00-0836	EA		16' To 18' Swietenia Mahagoni - Mahogany	148.28	
32 93 43 00-0837	EA		2" Caliper Taxodium distichum - Common Bald Cypress	119.39	
32 93 43 00-0838	EA		2-1/2" Caliper Taxodium distichum - Common Bald Cypress	138.49	
32 93 43 00-0839	EA		3" Caliper Taxodium distichum - Common Bald Cypress	167.15	
32 93 43 00-0840	EA		3-1/2" Caliper Taxodium distichum - Common Bald Cypress	191.03	
32 93 43 00-0841	EA		4" Caliper Taxodium distichum - Common Bald Cypress	210.13	
32 93 43 00-0842	EA		6' Clump Form Taxodium distichum - Common Bald Cypress	105.06	
32 93 43 00-0843	EA		7' Clump Form Taxodium distichum - Common Bald Cypress	119.39	
32 93 43 00-0844	EA		8' Clump Form Taxodium distichum - Common Bald Cypress	171.92	
32 93 43 00-0845	EA		10' Clump Form Taxodium distichum - Common Bald Cypress	191.03	
32 93 43 00-0846	EA		12' Clump Form Taxodium distichum - Common Bald Cypress	214.90	
32 93 43 00-0847	EA		14' Clump Form Taxodium distichum - Common Bald Cypress	248.33	
32 93 43 00-0848	EA		16' Clump Form Taxodium distichum - Common Bald Cypress	286.54	
32 93 43 00-0849	EA		2' Thuja occidentalis - American Arborvitae	16.37	
32 93 43 00-0850	EA		2-1/2" Thuja occidentalis - American Arborvitae	17.68	
32 93 43 00-0851	EA		3' Thuja occidentalis - American Arborvitae	25.26	
32 93 43 00-0852	EA		4' Thuja occidentalis - American Arborvitae	34.71	
32 93 43 00-0853	EA		5' Thuja occidentalis - American Arborvitae	48.33	
32 93 43 00-0854	EA		6' Thuja occidentalis - American Arborvitae	67.00	
32 93 43 00-0855	EA		7' Thuja occidentalis - American Arborvitae	81.28	
32 93 43 00-0856	EA		8' Thuja occidentalis - American Arborvitae	114.23	
32 93 43 00-0857	EA		2" Caliper Tilia americana & cvs - American Linden Basswood	119.39	
32 93 43 00-0858	EA		2-1/2" Caliper Tilia americana & cvs - American Linden Basswood	138.49	
32 93 43 00-0859	EA		3" Caliper Tilia americana & cvs - American Linden Basswood	176.70	
32 93 43 00-0860	EA		3-1/2" Caliper Tilia americana & cvs - American Linden Basswood	205.35	
32 93 43 00-0861	EA		4" Caliper Tilia americana & cvs - American Linden; Basswood	234.01	
32 93 43 00-0862	EA		4-1/2" Caliper Tilia americana & cvs - American Linden Basswood	262.66	
32 93 43 00-0863	EA		5" Caliper Tilia americana & cvs - American Linden Basswood	286.54	
32 93 43 00-0864	EA		10' Clump Form Tilia americana & cvs - American Linden Basswood	152.82	
32 93 43 00-0865	EA		12' Clump Form Tilia americana & cvs - American Linden Basswood	167.15	
32 93 43 00-0866	EA		14' Clump Form Tilia americana & cvs - American Linden Basswood	191.03	
32 93 43 00-0867	EA		16' Clump Form Tilia americana & cvs - American Linden Basswood	219.68	
32 93 43 00-0868	EA		2" Caliper Tilia cordata & cvs - Littleleaf Linden	120.11	
32 93 43 00-0869	EA		2-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	145.08	
32 93 43 00-0870	EA		3" Caliper Tilia cordata & cvs - Littleleaf Linden	167.15	
32 93 43 00-0871	EA		3-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	205.35	
32 93 43 00-0872	EA		4" Caliper Tilia cordata & cvs - Littleleaf Linden	234.01	
32 93 43 00-0873	EA		4-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	262.66	
32 93 43 00-0874	EA		5" Caliper Tilia cordata & cvs - Littleleaf Linden	291.31	
32 93 43 00-0875	EA		2" Caliper Tilia tomentosa & cvs - Silver Linden	133.72	
32 93 43 00-0876	EA		2-1/2" Caliper Tilia tomentosa & cvs - Silver Linden	148.05	
32 93 43 00-0877	EA		3" Caliper Tilia tomentosa & cvs - Silver Linden	162.37	
32 93 43 00-0878	EA		3-1/2" Caliper Tilia tomentosa & cvs - Silver Linden	181.47	
32 93 43 00-0879	EA		4" Caliper Tilia tomentosa & cvs - Silver Linden	210.13	
32 93 43 00-0880	EA		4-1/2" Caliper Tilia tomentosa & cvs - Silver Linden	248.33	
32 93 43 00-0881	EA		5" Caliper Tilia tomentosa & cvs - Silver Linden	324.74	
32 93 43 00-0882	EA		2" Caliper Tilia x euchlora - Crimean Linden	133.72	
32 93 43 00-0883	EA		2-1/2" Caliper Tilia x euchlora - Crimean Linden	171.92	
32 93 43 00-0884	EA		3" Caliper Tilia x euchlora - Crimean Linden	210.13	
32 93 43 00-0885	EA		3-1/2" Caliper Tilia x euchlora - Crimean Linden	238.78	
32 93 43 00-0886	EA		4" Caliper Tilia x euchlora - Crimean Linden	267.44	
32 93 43 00-0887	EA		4-1/2" Caliper Tilia x euchlora - Crimean Linden	300.87	
32 93 43 00-0888	EA		5" Caliper Tilia x euchlora - Crimean Linden	324.74	
32 93 43 00-0889	EA		2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	133.72	
32 93 43 00-0890	EA		2-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	152.82	
32 93 43 00-0891	EA		3" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	167.15	
32 93 43 00-0892	EA		3-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	181.47	

32 Exterior Improvements

32 90 Planting

32 93 Plants



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 93 43 00-0893	EA	4" Caliper Ulmus x `Homestead` - Homestead Hybrid Elm	200.58	
32 93 43 00-0894	EA	4-1/2" Caliper Ulmus x `Homestead` - Homestead Hybrid Elm	238.78	
32 93 43 00-0895	EA	5" Caliper Ulmus x `Homestead` - Homestead Hybrid Elm	281.76	
32 93 43 00-0896	EA	2" Caliper Ulmus x `Pioneer` - Pioneer Hybrid Elm	152.82	
32 93 43 00-0897	EA	2-1/2" Caliper Ulmus x `Pioneer` - Pioneer Hybrid Elm	167.15	
32 93 43 00-0898	EA	3" Caliper Ulmus x `Pioneer` - Pioneer Hybrid Elm	181.47	
32 93 43 00-0899	EA	3-1/2" Caliper Ulmus x `Pioneer` - Pioneer Hybrid Elm	200.58	
32 93 43 00-0900	EA	4" Caliper Ulmus x `Pioneer` - Pioneer Hybrid Elm	238.78	
32 93 43 00-0901	EA	4-1/2" Caliper Ulmus x `Pioneer` - Pioneer Hybrid Elm	281.76	
32 93 43 00-0902	EA	5" Caliper Ulmus x `Pioneer` - Pioneer Hybrid Elm	324.74	
32 93 43 00-0903	EA	2" Caliper Ulmus x `Regal` - Regal Hybrid Elm	152.82	
32 93 43 00-0904	EA	2-1/2" Mary-Louise Parker Ulmus x `Regal` - Regal Hybrid Elm	167.15	
32 93 43 00-0905	EA	3" Caliper Ulmus x `Regal` - Regal Hybrid Elm	181.47	
32 93 43 00-0906	EA	3-1/2" Caliper Ulmus x `Regal` - Regal Hybrid Elm	200.58	
32 93 43 00-0907	EA	4" Caliper Ulmus x `Regal` - Regal Hybrid Elm	238.78	
32 93 43 00-0908	EA	4-1/2" Caliper Ulmus x `Regal` - Regal Hybrid Elm	281.76	
32 93 43 00-0909	EA	5" Caliper Ulmus x `Regal` - Regal Hybrid Elm	324.74	
32 93 43 00-0910	EA	1-1/2" To 2" Caliper Zelkova serrata - Japanese Keaki Tree	73.91	
32 93 43 00-0911	EA	2" To 2-1/2" Caliper Zelkova serrata - Japanese Keaki Tree	90.54	
32 93 43 00-0912	EA	2-1/2" To 3" Caliper Zelkova serrata - Japanese Keaki Tree	114.71	
32 93 43 00-0913	EA	1-1/2" To 2" Caliper Platanus acerifolia "Bloodgold" - London Plane.....	385.43	
32 93 43 00-0914	EA	2" To 2-1/2" Caliper Platanus acerifolia "Bloodgold" - London Plane.....	687.97	
32 93 43 00-0915	EA	2-1/2" To 3" Caliper Platanus acerifolia "Bloodgold" - London Plane.....	1,007.09	
32 93 43 00-0916	EA	3" To 3-1/2" Caliper Platanus acerifolia "Bloodgold" - London Plane.....	1,251.61	
32 93 43 00-0917	EA	3-1/2" To 4" Caliper Platanus acerifolia "Bloodgold" - London Plane.....	1,620.46	
32 93 43 00-0918	EA	4" To 5" Caliper Platanus acerifolia "Bloodgold" - London Plane.....	1,844.26	
32 93 43 00-0919	EA	24" Box Platanus acerifolia "Bloodgold" - London Plane.....	484.89	
32 93 43 00-0920	EA	1-1/2" Caliper Quercus suber - Cork Oak.....	580.22	
32 93 43 00-0921	EA	2" Caliper Quercus suber - Cork Oak.....	804.01	
32 93 43 00-0922	EA	2-1/2" Caliper Quercus suber - Cork Oak.....	1,027.81	
32 93 43 00-0923	EA	3" Caliper Quercus suber - Cork Oak.....	1,284.76	
32 93 43 00-0924	EA	3-1/2" Caliper Quercus suber - Cork Oak.....	1,927.15	
32 93 43 00-0925	EA	4" Caliper Quercus suber - Cork Oak.....	2,486.64	
32 93 43 00-0926	EA	4-1/2" Caliper Quercus suber - Cork Oak.....	3,232.63	
32 93 43 00-0927	EA	1-1/2" Caliper Quercus ilex - Holly Oak.....	642.38	
32 93 43 00-0928	EA	2" Caliper Quercus ilex - Holly Oak.....	866.18	
32 93 43 00-0929	EA	2-1/2" Caliper Quercus ilex - Holly Oak.....	1,060.97	
32 93 43 00-0930	EA	3" Caliper Quercus ilex - Holly Oak.....	1,284.76	
32 93 43 00-0931	EA	3-1/2" Caliper Quercus ilex - Holly Oak.....	1,927.15	
32 93 43 00-0932	EA	4" Caliper Quercus ilex - Holly Oak.....	2,486.64	

32 93 43 00-0933

Evergreen Trees (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0934	EA	6' Abies balsamea - Balsam Fir	84.50	
32 93 43 00-0935	EA	7' Abies balsamea - Balsam Fir	105.63	
32 93 43 00-0936	EA	8' Abies balsamea - Balsam Fir	126.76	
32 93 43 00-0937	EA	9' Abies balsamea - Balsam Fir	169.01	
32 93 43 00-0938	EA	10' Abies balsamea - Balsam Fir	211.26	
32 93 43 00-0939	EA	12' Abies balsamea - Balsam Fir	253.51	
32 93 43 00-0940	EA	6' Abies concolor - White Fir	122.53	
32 93 43 00-0941	EA	7' Abies concolor - White Fir	139.43	
32 93 43 00-0942	EA	8' Abies concolor - White Fir	164.78	
32 93 43 00-0943	EA	9' Abies concolor - White Fir	190.13	
32 93 43 00-0944	EA	10' Abies concolor - White Fir	223.94	
32 93 43 00-0945	EA	12' Abies concolor - White Fir	274.64	
32 93 43 00-0946	EA	14' Abies concolor - White Fir	338.02	
32 93 43 00-0947	EA	16' Abies concolor - White Fir	380.27	
32 93 43 00-0948	EA	6' Abies fraseri - Frasier Fir.....	84.50	
32 93 43 00-0949	EA	7' Abies fraseri - Frasier Fir.....	105.63	
32 93 43 00-0950	EA	8' Abies fraseri - Frasier Fir.....	126.76	
32 93 43 00-0951	EA	9' Abies fraseri - Frasier Fir.....	169.01	
32 93 43 00-0952	EA	10' Abies fraseri - Frasier Fir.....	211.26	
32 93 43 00-0953	EA	12' Abies fraseri - Frasier Fir.....	253.51	
32 93 43 00-0954	EA	2' To 3' Cedrus atlantica - Blue Atlas Cedar	15.22	
32 93 43 00-0955	EA	3' To 4' Cedrus atlantica - Blue Atlas Cedar	24.47	
32 93 43 00-0956	EA	4' To 5' Cedrus atlantica - Blue Atlas Cedar	36.35	
32 93 43 00-0957	EA	5' To 6' Cedrus atlantica - Blue Atlas Cedar	48.90	
32 93 43 00-0958	EA	7' To 8' Cedrus atlantica - Blue Atlas Cedar	69.43	
32 93 43 00-0959	EA	5 Gallon Cedrus deodara - Indian Cedar	8.71	
32 93 43 00-0960	EA	6' To 8' Cedrus deodara - Indian Cedar	62.82	
32 93 43 00-0961	EA	8' To 10' Cedrus deodara - Indian Cedar	72.73	
32 93 43 00-0962	EA	10' To 12' Cedrus deodara - Indian Cedar	99.17	
32 93 43 00-0963	EA	12' To 14' Cedrus deodara - Indian Cedar	128.91	
32 93 43 00-0964	EA	14' To 16' Cedrus deodara - Indian Cedar	165.29	
32 93 43 00-0965	EA	15' To 18" Chamaecyparis obtusa - Compact Hinoki Cypress	19.64	
32 93 43 00-0966	EA	18" To 24" Chamaecyparis obtusa - Compact Hinoki Cypress	29.46	
32 93 43 00-0967	EA	2' To 3' Chamaecyparis obtusa - Compact Hinoki Cypress	45.82	
32 93 43 00-0968	EA	3' To 4' Chamaecyparis obtusa - Compact Hinoki Cypress	78.55	
32 93 43 00-0969	EA	4' To 5' Chamaecyparis pisifera - Sawara Cypress.....	23.80	



Exterior Improvements		32
Planting	32 90	32
Plants	32 93	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0970	EA	5'	To 6' Chamaecyparis pisifera - Sawara Cypress	37.05	
32 93 43 00-0971	EA	6'	To 7' Chamaecyparis pisifera - Sawara Cypress	46.26	
32 93 43 00-0972	EA	7'	To 8' Chamaecyparis pisifera - Sawara Cypress	66.12	
32 93 43 00-0973	EA	1	Gallon Cleyera japonica - Japanese Cleyera	2.68	
32 93 43 00-0974	EA	3	Gallon Cleyera japonica - Japanese Cleyera	6.72	
32 93 43 00-0975	EA	7	Gallon Cleyera japonica - Japanese Cleyera	19.25	
32 93 43 00-0976	EA	5	Gallon Cupressocyparis leylandii - Leyland Cypress	10.80	
32 93 43 00-0977	EA	15	Gallon Cupressocyparis leylandii - Leyland Cypress	43.21	
32 93 43 00-0978	EA	4'	To 5' Cupressocyparis leylandii - Leyland Cypress	18.91	
32 93 43 00-0979	EA	5'	To 6' Cupressocyparis leylandii - Leyland Cypress	24.31	
32 93 43 00-0980	EA	6'	To 7' Cupressocyparis leylandii - Leyland Cypress	37.81	
32 93 43 00-0981	EA	24"	Box Cupressocyparis leylandii - Leyland Cypress	91.83	
32 93 43 00-0982	EA	1	Gallon Cupressus macrocarpa - Monterey Cypress	1.97	
32 93 43 00-0983	EA	5	Gallon Cupressus macrocarpa - Monterey Cypress	8.87	
32 93 43 00-0984	EA	15	Gallon Cupressus macrocarpa - Monterey Cypress	29.55	
32 93 43 00-0985	EA	5	Gallon Cupressus sempervirens - Italian Cypress	10.17	
32 93 43 00-0986	EA	15	Gallon Cupressus sempervirens - Italian Cypress	27.96	
32 93 43 00-0987	EA	1	Gallon Illicium anisatum - Anise Tree	2.90	
32 93 43 00-0988	EA	3	Gallon Illicium anisatum - Anise Tree	6.72	
32 93 43 00-0989	EA	1	Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	2.99	
32 93 43 00-0990	EA	2	Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	5.85	
32 93 43 00-0991	EA	3	Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	7.24	
32 93 43 00-0992	EA	5	Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	8.52	
32 93 43 00-0993	EA	1	Gallon Juniperus - Blue Sargent Juniper	2.99	
32 93 43 00-0994	EA	2	Gallon Juniperus - Blue Sargent Juniper	5.85	
32 93 43 00-0995	EA	3	Gallon Juniperus - Blue Sargent Juniper	7.24	
32 93 43 00-0996	EA	5	Gallon Juniperus - Blue Sargent Juniper	8.52	
32 93 43 00-0997	EA	5	Gallon Juniperus - Compact Pfitzer Juniper	8.52	
32 93 43 00-0998	EA	15"	To 18" Juniperus - Compact Pfitzer Juniper	9.21	
32 93 43 00-0999	EA	18"	To 24" Juniperus - Compact Pfitzer Juniper	11.12	
32 93 43 00-1000	EA	2'	To 2 1/2' Juniperus - Compact Pfitzer Juniper	16.52	
32 93 43 00-1001	EA	2-1/2'	To 3' Juniperus - Compact Pfitzer Juniper	19.13	
32 93 43 00-1002	EA	5'	To 6' Juniperus - Fairview Juniper	28.49	
32 93 43 00-1003	EA	1	Gallon Juniperus - Hollywood Juniper	3.81	
32 93 43 00-1004	EA	5	Gallon Juniperus - Hollywood Juniper	10.61	
32 93 43 00-1005	EA	15	Gallon Juniperus - Hollywood Juniper	44.99	
32 93 43 00-1006	EA	4'	To 5' Juniperus - Hollywood Juniper	29.74	
32 93 43 00-1007	EA	5'	To 6' Juniperus - Hollywood Juniper	38.32	
32 93 43 00-1008	EA	1	Gallon Juniperus - Parson's Juniper	2.99	
32 93 43 00-1009	EA	2	Gallon Juniperus - Parson's Juniper	5.91	
32 93 43 00-1010	EA	3	Gallon Juniperus - Parson's Juniper	7.31	
32 93 43 00-1011	EA	5	Gallon Juniperus - Parson's Juniper	8.64	
32 93 43 00-1012	EA	5	Gallon Juniperus - Skyrocket Juniper	10.68	
32 93 43 00-1013	EA	15	Gallon Juniperus - Skyrocket Juniper	45.44	
32 93 43 00-1014	EA	2'	To 3' Juniperus - Skyrocket Juniper	16.01	
32 93 43 00-1015	EA	3'	To 4' Juniperus - Skyrocket Juniper	22.69	
32 93 43 00-1016	EA	4'	To 5' Juniperus - Skyrocket Juniper	30.06	
32 93 43 00-1017	EA	5'	To 6' Juniperus - Skyrocket Juniper	38.77	
32 93 43 00-1018	EA	6'	To 8' Juniperus - Skyrocket Juniper	50.08	
32 93 43 00-1019	EA	1	Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	2.99	
32 93 43 00-1020	EA	2	Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	5.88	
32 93 43 00-1021	EA	3	Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	7.21	
32 93 43 00-1022	EA	5	Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	8.55	
32 93 43 00-1023	EA	1	Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	2.99	
32 93 43 00-1024	EA	2	Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	5.88	
32 93 43 00-1025	EA	3	Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	7.21	
32 93 43 00-1026	EA	5	Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	8.55	
32 93 43 00-1027	EA	2'	To 3' Juniperus virginiana - Eastern Red Cedar	16.01	
32 93 43 00-1028	EA	3'	To 4' Juniperus virginiana - Eastern Red Cedar	22.69	
32 93 43 00-1029	EA	4'	To 5' Juniperus virginiana - Eastern Red Cedar	30.06	
32 93 43 00-1030	EA	5'	To 6' Juniperus virginiana - Eastern Red Cedar	38.77	
32 93 43 00-1031	EA	5'	Picea abies & cvs - Norway Spruce	92.95	
32 93 43 00-1032	EA	6'	Picea abies & cvs - Norway Spruce	105.63	
32 93 43 00-1033	EA	7'	Picea abies & cvs - Norway Spruce	126.76	
32 93 43 00-1034	EA	8'	Picea abies & cvs - Norway Spruce	147.88	
32 93 43 00-1035	EA	9'	Picea abies & cvs - Norway Spruce	198.59	
32 93 43 00-1036	EA	10'	Picea abies & cvs - Norway Spruce	240.84	
32 93 43 00-1037	EA	12'	Picea abies & cvs - Norway Spruce	295.77	
32 93 43 00-1038	EA	14'	Picea abies & cvs - Norway Spruce	359.14	
32 93 43 00-1039	EA	6'	Picea glauca - White Spruce	88.73	
32 93 43 00-1040	EA	7'	Picea glauca - White Spruce	126.76	
32 93 43 00-1041	EA	8'	Picea glauca - White Spruce	147.88	
32 93 43 00-1042	EA	9'	Picea glauca - White Spruce	177.46	
32 93 43 00-1043	EA	10'	Picea glauca - White Spruce	211.26	
32 93 43 00-1044	EA	12'	Picea glauca - White Spruce	253.51	
32 93 43 00-1045	EA	4'	Picea glauca densata - Black Hills Spruce	50.70	
32 93 43 00-1046	EA	5'	Picea glauca densata - Black Hills Spruce	76.05	
32 93 43 00-1047	EA	6'	Picea glauca densata - Black Hills Spruce	114.08	
32 93 43 00-1048	EA	7'	Picea glauca densata - Black Hills Spruce	135.21	
32 93 43 00-1049	EA	8'	Picea glauca densata - Black Hills Spruce	156.33	
32 93 43 00-1050	EA	9'	Picea glauca densata - Black Hills Spruce	173.23	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-1051	EA	10' Picea glauca densata - Black Hills Spruce.....	190.13	
32 93 43 00-1052	EA	6' Picea omorika & cvs - Serbian Spruce.....	114.08	
32 93 43 00-1053	EA	7' Picea omorika & cvs - Serbian Spruce.....	126.76	
32 93 43 00-1054	EA	8' Picea omorika & cvs - Serbian Spruce.....	152.11	
32 93 43 00-1055	EA	9' Picea omorika & cvs - Serbian Spruce.....	177.46	
32 93 43 00-1056	EA	10' Picea omorika & cvs - Serbian Spruce.....	202.81	
32 93 43 00-1057	EA	5' Picea pungens - Colorado Green Spruce.....	92.95	
32 93 43 00-1058	EA	6' Picea pungens - Colorado Green Spruce.....	118.31	
32 93 43 00-1059	EA	7' Picea pungens - Colorado Green Spruce.....	139.43	
32 93 43 00-1060	EA	8' Picea pungens - Colorado Green Spruce.....	160.56	
32 93 43 00-1061	EA	9' Picea pungens - Colorado Green Spruce.....	185.91	
32 93 43 00-1062	EA	10' Picea pungens - Colorado Green Spruce.....	350.69	
32 93 43 00-1063	EA	12' Picea pungens - Colorado Green Spruce.....	253.51	
32 93 43 00-1064	EA	14' Picea pungens - Colorado Green Spruce.....	295.77	
32 93 43 00-1065	EA	16' Picea pungens - Colorado Green Spruce.....	380.27	
32 93 43 00-1066	EA	5' Picea pungens glauca & cvs - Colorado Blue Spruce.....	92.95	
32 93 43 00-1067	EA	6' Picea pungens glauca & cvs - Colorado Blue Spruce.....	126.76	
32 93 43 00-1068	EA	7' Picea pungens glauca & cvs - Colorado Blue Spruce.....	147.88	
32 93 43 00-1069	EA	8' Picea pungens glauca & cvs - Colorado Blue Spruce.....	169.01	
32 93 43 00-1070	EA	9' Picea pungens glauca & cvs - Colorado Blue Spruce.....	190.13	
32 93 43 00-1071	EA	10' Picea pungens glauca & cvs - Colorado Blue Spruce.....	232.39	
32 93 43 00-1072	EA	12' Picea pungens glauca & cvs - Colorado Blue Spruce.....	295.77	
32 93 43 00-1073	EA	16' Picea pungens glauca & cvs - Colorado Blue Spruce.....	443.65	
32 93 43 00-1074	EA	4' Pinus cembra - Swiss Stone Pine.....	71.83	
32 93 43 00-1075	EA	5' Pinus cembra - Swiss Stone Pine.....	88.73	
32 93 43 00-1076	EA	6' Pinus cembra - Swiss Stone Pine.....	109.86	
32 93 43 00-1077	EA	6' Pinus flexilis & cvs - Limber Pine.....	105.63	
32 93 43 00-1078	EA	7' Pinus flexilis & cvs - Limber Pine.....	122.53	
32 93 43 00-1079	EA	8' Pinus flexilis & cvs - Limber Pine.....	152.11	
32 93 43 00-1080	EA	9' Pinus flexilis & cvs - Limber Pine.....	185.91	
32 93 43 00-1081	EA	10' Pinus flexilis & cvs - Limber Pine.....	211.26	
32 93 43 00-1082	EA	2 Gallon Pinus mugo - Mugho Pine.....	8.32	
32 93 43 00-1083	EA	3 Gallon Pinus mugo - Mugho Pine.....	10.42	
32 93 43 00-1084	EA	5 Gallon Pinus mugo - Mugho Pine.....	13.22	
32 93 43 00-1085	EA	12" To 15" Spread Pinus mugo - Mugho Pine.....	10.23	
32 93 43 00-1086	EA	15" To 18" Spread Pinus mugo - Mugho Pine.....	12.20	
32 93 43 00-1087	EA	18" To 24" Spread Pinus mugo - Mugho Pine.....	16.52	
32 93 43 00-1088	EA	2' To 2-1/2' Spread Pinus mugo - Mugho Pine.....	23.13	
32 93 43 00-1089	EA	2-1/2' To 3' Spread Pinus mugo - Mugho Pine.....	29.74	
32 93 43 00-1090	EA	3' To 3-1/2' Spread Pinus mugo - Mugho Pine.....	37.05	
32 93 43 00-1091	EA	3-1/2' To 4' Spread Pinus mugo - Mugho Pine.....	44.99	
32 93 43 00-1092	EA	6' Pinus nigra - Austrian Pine.....	105.63	
32 93 43 00-1093	EA	7' Pinus nigra - Austrian Pine.....	126.76	
32 93 43 00-1094	EA	8' Pinus nigra - Austrian Pine.....	164.78	
32 93 43 00-1095	EA	9' Pinus nigra - Austrian Pine.....	190.13	
32 93 43 00-1096	EA	10' Pinus nigra - Austrian Pine.....	223.94	
32 93 43 00-1097	EA	12' Pinus nigra - Austrian Pine.....	253.51	
32 93 43 00-1098	EA	14' Pinus nigra - Austrian Pine.....	283.09	
32 93 43 00-1099	EA	16' Pinus nigra - Austrian Pine.....	321.12	
32 93 43 00-1100	EA	5' Pinus peuce - Macedonian Pine.....	130.98	
32 93 43 00-1101	EA	6' Pinus peuce - Macedonian Pine.....	164.78	
32 93 43 00-1102	EA	7' Pinus peuce - Macedonian Pine.....	190.13	
32 93 43 00-1103	EA	8' Pinus peuce - Macedonian Pine.....	215.49	
32 93 43 00-1104	EA	9' Pinus peuce - Macedonian Pine.....	249.29	
32 93 43 00-1105	EA	2' Pinus strobus - Pyramidal White Pine.....	11.70	
32 93 43 00-1106	EA	3' Pinus strobus - Pyramidal White Pine.....	15.64	
32 93 43 00-1107	EA	4' Pinus strobus - Pyramidal White Pine.....	17.25	
32 93 43 00-1108	EA	5' Pinus strobus - Pyramidal White Pine.....	18.86	
32 93 43 00-1109	EA	6' Pinus strobus - Pyramidal White Pine.....	23.50	
32 93 43 00-1110	EA	7' Pinus strobus - Pyramidal White Pine.....	31.27	
32 93 43 00-1111	EA	8' Pinus strobus - Pyramidal White Pine.....	42.97	
32 93 43 00-1112	EA	10' Pinus strobus - Pyramidal White Pine.....	85.74	
32 93 43 00-1113	EA	12' Pinus strobus - Pyramidal White Pine.....	203.76	
32 93 43 00-1114	EA	14' Pinus strobus - Pyramidal White Pine.....	273.37	
32 93 43 00-1115	EA	16' Pinus strobus - Pyramidal White Pine.....	328.85	
32 93 43 00-1116	EA	2' Pinus strobus - White Pine.....	17.98	
32 93 43 00-1117	EA	3' Pinus strobus - White Pine.....	25.66	
32 93 43 00-1118	EA	4' Pinus strobus - White Pine.....	40.91	
32 93 43 00-1119	EA	5' Pinus strobus - White Pine.....	58.31	
32 93 43 00-1120	EA	6' Pinus strobus - White Pine.....	85.52	
32 93 43 00-1121	EA	7' Pinus strobus - White Pine.....	102.04	
32 93 43 00-1122	EA	8' Pinus strobus - White Pine.....	138.00	
32 93 43 00-1123	EA	10' Pinus strobus - White Pine.....	185.61	
32 93 43 00-1124	EA	12' Pinus strobus - White Pine.....	245.87	
32 93 43 00-1125	EA	14' Pinus strobus - White Pine.....	301.26	
32 93 43 00-1126	EA	16' Pinus strobus - White Pine.....	366.37	
32 93 43 00-1127	EA	3' Pinus sylvestris - Scotch Pine.....	27.76	
32 93 43 00-1128	EA	4' Pinus sylvestris - Scotch Pine.....	38.53	
32 93 43 00-1129	EA	5' Pinus sylvestris - Scotch Pine.....	54.08	
32 93 43 00-1130	EA	6' Pinus sylvestris - Scotch Pine.....	75.04	
32 93 43 00-1131	EA	7' Pinus sylvestris - Scotch Pine.....	91.94	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1132	EA	8'	Pinus sylvestris - Scotch Pine	129.80	
32 93 43 00-1133	EA	9'	Pinus sylvestris - Scotch Pine	164.78	
32 93 43 00-1134	EA	10'	Pinus sylvestris - Scotch Pine	190.13	
32 93 43 00-1135	EA	12'	Pinus sylvestris - Scotch Pine	223.94	
32 93 43 00-1136	EA	14'	Pinus sylvestris - Scotch Pine	253.51	
32 93 43 00-1137	EA	16'	Pinus sylvestris - Scotch Pine	295.77	
32 93 43 00-1138	EA	5' To 6'	Pinus taeda - Loblolly Pine	12.08	
32 93 43 00-1139	EA	1	Gallon Pinus thunbergiana - Japanese Black Pine	2.99	
32 93 43 00-1140	EA	5	Gallon Pinus thunbergiana - Japanese Black Pine	10.61	
32 93 43 00-1141	EA	15	Gallon Pinus thunbergiana - Japanese Black Pine	34.38	
32 93 43 00-1142	EA	2' To 3'	Pinus thunbergiana - Japanese Black Pine	14.55	
32 93 43 00-1143	EA	3' To 4'	Pinus thunbergiana - Japanese Black Pine	18.49	
32 93 43 00-1144	EA	4' To 5'	Pinus thunbergiana - Japanese Black Pine	27.77	
32 93 43 00-1145	EA	5' To 6'	Pinus thunbergiana - Japanese Black Pine	54.21	
32 93 43 00-1146	EA	6' To 7'	Pinus Thunbergiana - Japanese Black Pine	60.82	
32 93 43 00-1147	EA	7' To 8'	Pinus thunbergiana - Japanese Black Pine	76.01	
32 93 43 00-1148	EA	1	Gallon Pinus mugo - Mugho Pine	3.94	
32 93 43 00-1149	EA	1	Gallon Podocarpus - Chinese Podocarpus	1.97	
32 93 43 00-1150	EA	3	Gallon Podocarpus - Chinese Podocarpus	4.58	
32 93 43 00-1151	EA	7	Gallon Podocarpus - Chinese Podocarpus	13.22	
32 93 43 00-1152	EA	15	Gallon Podocarpus - Chinese Podocarpus	21.48	
32 93 43 00-1153	EA	4' To 5'	Podocarpus - Chinese Podocarpus	33.05	
32 93 43 00-1154	EA	5'	Pseudotsuga menziesii - Douglas Fir	84.50	
32 93 43 00-1155	EA	6'	Pseudotsuga menziesii - Douglas Fir	101.41	
32 93 43 00-1156	EA	7'	Pseudotsuga menziesii - Douglas Fir	126.76	
32 93 43 00-1157	EA	8'	Pseudotsuga menziesii - Douglas Fir	152.11	
32 93 43 00-1158	EA	9'	Pseudotsuga menziesii - Douglas Fir	190.13	
32 93 43 00-1159	EA	10'	Pseudotsuga menziesii - Douglas Fir	223.94	
32 93 43 00-1160	EA	12'	Pseudotsuga menziesii - Douglas Fir	253.51	
32 93 43 00-1161	EA	5' To 6'	Sequoia sempervirens - Dawn Redwood	41.31	
32 93 43 00-1162	EA	6' To 8'	Sequoia sempervirens - Dawn Redwood	55.77	
32 93 43 00-1163	EA	8' To 10'	Sequoia sempervirens - Dawn Redwood	68.16	
32 93 43 00-1164	EA	5' To 6'	Taxodium distichum & cvs - Bald Cypress	29.36	
32 93 43 00-1165	EA	6' To 7'	Taxodium distichum & cvs - Bald Cypress	36.70	
32 93 43 00-1166	EA	7' To 8'	Taxodium distichum & cvs - Bald Cypress	45.37	
32 93 43 00-1167	EA	8' To 10'	Taxodium distichum & cvs - Bald Cypress	57.42	
32 93 43 00-1168	EA	6'	Tsuga canadensis - Northern Hemlock	84.50	
32 93 43 00-1169	EA	7'	Tsuga canadensis - Northern Hemlock	105.63	
32 93 43 00-1170	EA	8'	Tsuga canadensis - Northern Hemlock	143.66	
32 93 43 00-1171	EA	9'	Tsuga canadensis - Northern Hemlock	169.01	
32 93 43 00-1172	EA	10'	Tsuga canadensis - Northern Hemlock	190.13	
32 93 43 00-1173	EA	12'	Tsuga canadensis - Northern Hemlock	211.26	
32 93 43 00-1174	EA	3' To 4'	Thuja occidentalis 'Wareana' - Siberian Arborvitae	7.96	
32 93 43 00-1175	EA	3' To 4'	Thuja occidentalis 'Woodwardii' - Woodward Arborvitae	34.11	
32 93 43 00-1176	EA	6'	Cedrus decurrens - Incese Cedar	70.94	
32 93 43 00-1177	EA	8'	Cedrus decurrens - Incese Cedar	146.74	
32 93 43 00-1178	EA	10'	Cedrus decurrens - Incese Cedar	194.36	
32 93 43 00-1179	EA	12'	Cedrus decurrens - Incese Cedar	257.53	
32 93 43 00-1180	EA	6'	Melaleuca linarifolia - Flaxleaf Paperbark	204.08	
32 93 43 00-1181	EA	8'	Melaleuca linarifolia - Flaxleaf Paperbark	272.10	
32 93 43 00-1182	EA	10'	Melaleuca linarifolia - Flaxleaf Paperbark	340.13	
32 93 43 00-1183	EA	12'	Melaleuca linarifolia - Flaxleaf Paperbark	408.16	
32 93 43 00-1184	EA	24"	Box Melaleuca linarifolia - Flaxleaf Paperbark	120.02	
32 93 43 00-1185	EA	6'	Melaleuca quinquenervia - Cajeput Tree	204.08	
32 93 43 00-1186	EA	8'	Melaleuca quinquenervia - Cajeput Tree	272.10	
32 93 43 00-1187	EA	10'	Melaleuca quinquenervia - Cajeput Tree	340.13	
32 93 43 00-1188	EA	12'	Melaleuca quinquenervia - Cajeput Tree	408.16	
32 93 43 00-1189	EA	24"	Box Melaleuca quinquenervia - Cajeput Tree	113.70	
32 93 43 00-1190	EA	30"	Box Melaleuca quinquenervia - Cajeput Tree	286.68	
32 93 43 00-1191	EA	36"	Box Melaleuca quinquenervia - Cajeput Tree	451.89	
32 93 43 00-1192	EA	4'	Metrosideros excelsus - New Zealand Christmas Tree	60.25	
32 93 43 00-1193	EA	5'	Metrosideros excelsus - New Zealand Christmas Tree	81.63	
32 93 43 00-1194	EA	6'	Metrosideros excelsus - New Zealand Christmas Tree	138.97	
32 93 43 00-1195	EA	8'	Metrosideros excelsus - New Zealand Christmas Tree	172.01	
32 93 43 00-1196	EA	24"	Box Metrosideros excelsus - New Zealand Christmas Tree	151.60	
32 93 43 00-1197	EA	6'	Pinus canariensis - Canary Island Pine	233.23	
32 93 43 00-1198	EA	8'	Pinus canariensis - Canary Island Pine	310.98	
32 93 43 00-1199	EA	10'	Pinus canariensis - Canary Island Pine	388.72	
32 93 43 00-1200	EA	12'	Pinus canariensis - Canary Island Pine	466.46	
32 93 43 00-1201	EA	24"	Box Pinus canariensis - Canary Island Pine	138.97	
32 93 43 00-1202	EA	6'	Pinus pinea - Italian Stone Pine	233.23	
32 93 43 00-1203	EA	8'	Pinus pinea - Italian Stone Pine	310.98	
32 93 43 00-1204	EA	10'	Pinus pinea - Italian Stone Pine	388.72	
32 93 43 00-1205	EA	12'	Pinus pinea - Italian Stone Pine	466.46	
32 93 43 00-1206	EA	6'	Pittosporum undulatum - Victorian Box	128.28	
32 93 43 00-1207	EA	8'	Pittosporum undulatum - Victorian Box	203.11	
32 93 43 00-1208	EA	10'	Pittosporum undulatum - Victorian Box	267.24	
32 93 43 00-1209	EA	6'	Podocarpus gracilior - African Fern Pine	242.95	
32 93 43 00-1210	EA	8'	Podocarpus gracilior - African Fern Pine	320.69	
32 93 43 00-1211	EA	10'	Podocarpus gracilior - African Fern Pine	408.16	
32 93 43 00-1212	EA	12'	Podocarpus gracilior - African Fern Pine	485.90	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1213 EA 24" Box Podocarpus gracilior - African Fern Pine	113.70	
32 93 43 00-1214 EA 1 Gallon Podocarpus macrophyllus - Yew Pine	4.52	
32 93 43 00-1215 EA 3 Gallon Podocarpus macrophyllus - Yew Pine	10.59	
32 93 43 00-1216 EA 5 Gallon Podocarpus macrophyllus - Yew Pine	13.90	
32 93 43 00-1217 EA 15 Gallon Podocarpus macrophyllus - Yew Pine	60.25	
32 93 43 00-1218 EA 24" Box Podocarpus macrophyllus - Yew Pine	116.62	
32 93 43 00-1219 EA 24" Box Rhus lancea - African Sumac	120.02	
32 93 43 00-1220 EA 30" Box Rhus lancea - African Sumac	194.36	
32 93 43 00-1221 EA 8' Rhus lancea - African Sumac	291.54	
32 93 43 00-1222 EA 10' Rhus lancea - African Sumac	325.55	
32 93 43 00-1223 EA 12' Rhus lancea - African Sumac	388.72	
32 93 43 00-1224 Palm And Subtropical Trees (32 93 43)		
Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.		
32 93 43 00-1225 EA 4' To 5' Acacia baileyana - Bailey Acacia	454.46	
32 93 43 00-1226 EA 6' Acacia baileyana - Bailey Acacia	545.35	
32 93 43 00-1227 EA 8' Acacia baileyana - Bailey Acacia	636.24	
32 93 43 00-1228 EA 10' Acacia baileyana - Bailey Acacia	795.30	
32 93 43 00-1229 EA 6' Agonis flexuosa - Peppermint	272.68	
32 93 43 00-1230 EA 8' Agonis flexuosa - Peppermint	340.84	
32 93 43 00-1231 EA 10' Agonis flexuosa - Peppermint	409.01	
32 93 43 00-1232 EA 24" Box Agonis flexuosa - Peppermint	339.71	
32 93 43 00-1233 EA 4' To 5' Archontophoenix cunninghamiana - King Palm	112.48	
32 93 43 00-1234 EA 6' To 8' Archontophoenix cunninghamiana - King Palm	174.97	
32 93 43 00-1235 EA 8' To 10' Archontophoenix cunninghamiana - King Palm	224.96	
32 93 43 00-1236 EA 10' To 12' Archontophoenix cunninghamiana - King Palm	299.94	
32 93 43 00-1237 EA 4' To 5' Arecastrum romanzoffianum - Queen Palm	85.21	
32 93 43 00-1238 EA 6' To 8' Arecastrum romanzoffianum - Queen Palm	119.30	
32 93 43 00-1239 EA 8' To 10' Arecastrum romanzoffianum - Queen Palm	153.38	
32 93 43 00-1240 EA 10' To 12' Arecastrum romanzoffianum - Queen Palm	187.46	
32 93 43 00-1241 EA 12' To 14' Arecastrum romanzoffianum - Queen Palm	227.23	
32 93 43 00-1242 EA 14' To 16' Arecastrum romanzoffianum - Queen Palm	284.04	
32 93 43 00-1243 EA 6' Bauhinia purpurea - Purple Orchid Tree	613.52	
32 93 43 00-1244 EA 8' Bauhinia purpurea - Purple Orchid Tree	818.03	
32 93 43 00-1245 EA 10' Bauhinia purpurea - Purple Orchid Tree	1,022.54	
32 93 43 00-1246 EA 24" Box Bauhinia purpurea - Purple Orchid Tree	265.86	
32 93 43 00-1247 EA 6' Bauhinia variegata candida - White Orchid Tree	681.69	
32 93 43 00-1248 EA 8' Bauhinia variegata candida - White Orchid Tree	908.92	
32 93 43 00-1249 EA 10' Bauhinia variegata candida - White Orchid Tree	1,136.15	
32 93 43 00-1250 EA 4' To 5' Bauhinia blakeana - Hong Kong Orchid	488.54	
32 93 43 00-1251 EA 6' Bauhinia blakeana - Hong Kong Orchid	579.44	
32 93 43 00-1252 EA 8' Bauhinia blakeana - Hong Kong Orchid	772.58	
32 93 43 00-1253 EA 10' Bauhinia blakeana - Hong Kong Orchid	965.73	
32 93 43 00-1254 EA 6' Callistemon citrinus - Crimson or Lemon Bottle Brush	613.52	
32 93 43 00-1255 EA 8' Callistemon citrinus - Crimson or Lemon Bottle Brush	818.03	
32 93 43 00-1256 EA 10' Callistemon citrinus - Crimson or Lemon Bottle Brush	1,022.54	
32 93 43 00-1257 EA 6' Callistemon viminalis - Weeping Bottle Brush	613.52	
32 93 43 00-1258 EA 8' Callistemon viminalis - Weeping Bottle Brush	818.03	
32 93 43 00-1259 EA 10' Callistemon viminalis - Weeping Bottle Brush	1,022.54	
32 93 43 00-1260 EA 12' Callistemon viminalis - Weeping Bottle Brush	1,227.04	
32 93 43 00-1261 EA 3' To 4' Chamaedorea radicalis - Dwarf Bamboo Palm	238.59	
32 93 43 00-1262 EA 5' To 6' Chamaedorea radicalis - Dwarf Bamboo Palm	374.93	
32 93 43 00-1263 EA 3' To 4' Chamaerops humilis - European Fan Palm	204.51	
32 93 43 00-1264 EA 5' To 6' Chamaerops humilis - European Fan Palm	272.68	
32 93 43 00-1265 EA 7' To 8' Chamaerops humilis - European Fan Palm	636.24	
32 93 43 00-1266 EA 9' To 10' Chamaerops humilis - European Fan Palm	1,090.70	
32 93 43 00-1267 EA 6' To 7' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	159.06	
32 93 43 00-1268 EA 8' To 10' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	318.12	
32 93 43 00-1269 EA 10' To 12' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	409.01	
32 93 43 00-1270 EA 12' To 14' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	568.08	
32 93 43 00-1271 EA 12' To 16' Cocos nucifera - Coconut Palm	479.16	
32 93 43 00-1272 EA 6' Eriobotrya deflexa - Bronze Loquat	613.52	
32 93 43 00-1273 EA 8' Eriobotrya deflexa - Bronze Loquat	818.03	
32 93 43 00-1274 EA 10' Eriobotrya deflexa - Bronze Loquat	1,022.54	
32 93 43 00-1275 EA 6' Eucalyptus erythrocorys - Red Cap Gum	613.52	
32 93 43 00-1276 EA 8' Eucalyptus erythrocorys - Red Cap Gum	818.03	
32 93 43 00-1277 EA 10' Eucalyptus erythrocorys - Red Cap Gum	1,022.54	
32 93 43 00-1278 EA 6' Eucalyptus gunnii - Cider Gum	613.52	
32 93 43 00-1279 EA 8' Eucalyptus gunnii - Cider Gum	818.03	
32 93 43 00-1280 EA 10' Eucalyptus gunnii - Cider Gum	1,022.54	
32 93 43 00-1281 EA 6' Eucalyptus leucoxydon - White Ironbark	613.52	
32 93 43 00-1282 EA 8' Eucalyptus leucoxydon - White Ironbark	818.03	
32 93 43 00-1283 EA 10' Eucalyptus leucoxydon - White Ironbark	1,022.54	
32 93 43 00-1284 EA 12' Eucalyptus leucoxydon - White Ironbark	1,227.04	
32 93 43 00-1285 EA 6' Eucalyptus polyanthemos - Silver Dollar Gum	613.52	
32 93 43 00-1286 EA 8' Eucalyptus polyanthemos - Silver Dollar Gum	818.03	
32 93 43 00-1287 EA 10' Eucalyptus polyanthemos - Silver Dollar Gum	1,022.54	
32 93 43 00-1288 EA 6' Eucalyptus torquata - Coral Gum	613.52	
32 93 43 00-1289 EA 8' Eucalyptus torquata - Coral Gum	818.03	



MINOR	TOTAL DIRECT	DEMOLITION	DESCRIPTION	UNIT COST	UNIT COST
CSI UOM					
32 93 43 00-1290	EA		10' Eucalyptus torquata - Coral Gum	1,022.54	
32 93 43 00-1291	EA		8' Fraxinus oxycarpa "Raywood" - Raywood Ash	636.24	
32 93 43 00-1292	EA		10' Fraxinus oxycarpa "Raywood" - Raywood Ash	863.47	
32 93 43 00-1293	EA		12' Fraxinus oxycarpa "Raywood" - Raywood Ash	1,067.98	
32 93 43 00-1294	EA		6' Jacarandra acutifolia - Jacaranda	613.52	
32 93 43 00-1295	EA		8' Jacarandra acutifolia - Jacaranda	818.03	
32 93 43 00-1296	EA		10' Jacarandra acutifolia - Jacaranda	1,022.54	
32 93 43 00-1297	EA		24" Box Jacarandra acutifolia - Jacaranda	265.86	
32 93 43 00-1298	EA		6' Olea europaea - Olive "Fruitless"	613.52	
32 93 43 00-1299	EA		8' Olea europaea - Olive "Fruitless"	818.03	
32 93 43 00-1300	EA		10' Olea europaea - Olive "Fruitless"	1,022.54	
32 93 43 00-1301	EA		12' Olea europaea - Olive "Fruitless"	1,227.04	
32 93 43 00-1302	EA		24" Box Olea europaea - Olive "Fruitless"	754.40	
32 93 43 00-1303	EA		5 Gallon Pistacia chinensis - Chinese Pistache	40.90	
32 93 43 00-1304	EA		15 Gallon Pistacia chinensis - Chinese Pistache	136.34	
32 93 43 00-1305	EA		24" Box Pistacia chinensis - Chinese Pistache	529.45	
32 93 43 00-1306	EA		36" Box Pistacia chinensis - Chinese Pistache	1,408.83	
32 93 43 00-1307	EA		48" Box Pistacia chinensis - Chinese Pistache	2,999.44	
32 93 43 00-1308	EA		5 Gallon Pyrus kawakamii - Evergreen Pear, Single	42.26	
32 93 43 00-1309	EA		15 Gallon Pyrus kawakamii - Evergreen Pear, Single	140.88	
32 93 43 00-1310	EA		24" Box Pyrus kawakamii - Evergreen Pear, Single	529.45	
32 93 43 00-1311	EA		30" Box Pyrus kawakamii - Evergreen Pear, Single	968.00	
32 93 43 00-1312	EA		36" Box Pyrus kawakamii - Evergreen Pear, Single	1,408.83	
32 93 43 00-1313	EA		5 Gallon Pyrus kawakamii - Evergreen Pear, Multi	42.26	
32 93 43 00-1314	EA		15 Gallon Pyrus kawakamii - Evergreen Pear, Multi	149.97	
32 93 43 00-1315	EA		24" Box Pyrus kawakamii - Evergreen Pear, Multi	545.35	
32 93 43 00-1316	EA		30" Box Pyrus kawakamii - Evergreen Pear, Multi	968.00	
32 93 43 00-1317	EA		36" Box Pyrus kawakamii - Evergreen Pear, Multi	1,408.83	
32 93 43 00-1318	EA		9' Ptychosperma elegans - Alexander Palm, Solitaire Palm	170.42	
32 93 43 00-1319	EA		11' Ptychosperma elegans - Alexander Palm, Solitaire Palm	284.04	
32 93 43 00-1320	EA		15' Ptychosperma elegans - Alexander Palm, Solitaire Palm	431.74	
32 93 43 00-1321	EA		17' Ptychosperma elegans - Alexander Palm, Solitaire Palm	488.54	
32 93 43 00-1322	EA		20' Ptychosperma elegans - Alexander Palm, Solitaire Palm	568.08	
32 93 43 00-1323	EA		4' To 5' Rhaps excelsa - Lady Palm	431.74	
32 93 43 00-1324	EA		6' To 7' Rhaps excelsa - Lady Palm	613.52	
32 93 43 00-1325	EA		8' To 9' Roystonea regia - Royal Palm	347.66	
32 93 43 00-1326	EA		10' To 11' Roystonea regia - Royal Palm	424.92	
32 93 43 00-1327	EA		12' To 13' Roystonea regia - Royal Palm	502.18	
32 93 43 00-1328	EA		14' To 15' Roystonea regia - Royal Palm	579.44	
32 93 43 00-1329	EA		16' To 17' Roystonea regia - Royal Palm	656.69	
32 93 43 00-1330	EA		18' To 19' Roystonea regia - Royal Palm	733.95	
32 93 43 00-1331	EA		20' To 21' Roystonea regia - Royal Palm	811.21	
32 93 43 00-1332	EA		10' To 16' Sabal palmetto - Cabbage Palm	175.70	
32 93 43 00-1333	EA		6' To 7' Thrinax morrisii - Key Thatch Palm	477.18	
32 93 43 00-1334	EA		8' To 9' Thrinax morrisii - Key Thatch Palm	613.52	
32 93 43 00-1335	EA		10' To 11' Thrinax morrisii - Key Thatch Palm	749.86	
32 93 43 00-1336	EA		1 Gallon Washingtonia robusta - Mexican Fan Palm	4.98	
32 93 43 00-1337	EA		5 Gallon Washingtonia robusta - Mexican Fan Palm	15.48	
32 93 43 00-1338	EA		15 Gallon Washingtonia robusta - Mexican Fan Palm	54.19	
32 93 43 00-1339	EA		24" Box Washingtonia robusta - Mexican Fan Palm	176.94	
32 93 43 00-1340	EA		36" Box Washingtonia robusta - Mexican Fan Palm	470.01	
32 93 43 00-1341	EA		6' Washingtonia robusta - Mexican Fan Palm	613.52	
32 93 43 00-1342	EA		8' Washingtonia robusta - Mexican Fan Palm	818.03	
32 93 43 00-1343	EA		10' Washingtonia robusta - Mexican Fan Palm	1,022.54	
32 93 43 00-1344	EA		12' Washingtonia robusta - Mexican Fan Palm	1,227.04	

32 93 53 Planting Of Trees, Shrubs And Ground Cover (32 93)

Note: Includes moving plant(s) from truck or staging site to planting site, excavation of hole, placing plant in hole, backfill and compaction. Use appropriate gallon, height or caliper size to match with description from plant section.

32 93 53 00-0001 Planting Trees (32 93 53)

Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.

32 93 53 00-0002	EA	3" To 5" Bare Root Seedlings Tree Planting	1.09
32 93 53 00-0003	EA	6" To 10" Bare Root Seedlings Tree Planting	1.76
32 93 53 00-0004	EA	11" To 16" Bare Root Seedlings Tree Planting	2.19
32 93 53 00-0005	EA	17" To 24" Bare Root Seedlings Tree Planting	3.51
32 93 53 00-0006	EA	1 Gallon Container Tree Planting	17.53
		For >10 To 25, Deduct	-0.88
		For >25 To 50, Deduct	-2.19
		For >50 To 100, Deduct	-3.51
		For >100, Deduct	-5.26
32 93 53 00-0007	EA	2 Gallon Container Tree Planting	24.55
		For >10 To 25, Deduct	-1.23
		For >25 To 50, Deduct	-3.07
		For >50 To 100, Deduct	-4.91
		For >100, Deduct	-7.37
32 93 53 00-0008	EA	3 Gallon Container Tree Planting	31.56
		For >10 To 25, Deduct	-1.58
		For >25 To 50, Deduct	-3.95
		For >50 To 100, Deduct	-6.31
		For >100, Deduct	-9.47

32 Exterior Improvements

32 90 Planting

32 93 Plants



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 53 00-0009 EA 5 Gallon Container Tree Planting.....	52.59	
For >10 To 25, Deduct	-2.63	
For >25 To 50, Deduct	-6.57	
For >50 To 100, Deduct	-10.52	
For >100, Deduct	-15.78	
32 93 53 00-0010 EA 7 Gallon Container Tree Planting.....	70.13	
For >10 To 25, Deduct	-3.51	
For >25 To 50, Deduct	-8.77	
For >50 To 100, Deduct	-14.03	
For >100, Deduct	-21.04	
32 93 53 00-0011 EA 10 Gallon Container Tree Planting.....	91.16	
For >10 To 25, Deduct	-4.56	
For >25 To 50, Deduct	-11.40	
For >50 To 100, Deduct	-18.23	
For >100, Deduct	-27.35	
32 93 53 00-0012 EA 15 Gallon Container Tree Planting.....	129.74	
For >10 To 25, Deduct	-6.49	
For >25 To 50, Deduct	-16.22	
For >50 To 100, Deduct	-25.95	
For >100, Deduct	-38.92	
32 93 53 00-0013 EA 20 Gallon Container Tree Planting.....	213.89	
For >10 To 25, Deduct	-10.69	
For >25 To 50, Deduct	-26.74	
For >50 To 100, Deduct	-42.78	
For >100, Deduct	-64.17	
32 93 53 00-0014 EA 25 Gallon Container Tree Planting.....	277.01	
For >10 To 25, Deduct	-13.85	
For >25 To 50, Deduct	-34.63	
For >50 To 100, Deduct	-55.40	
For >100, Deduct	-83.10	
32 93 53 00-0015 EA 30 Gallon Container Tree Planting.....	333.11	
For >10 To 25, Deduct	-16.66	
For >25 To 50, Deduct	-41.64	
For >50 To 100, Deduct	-66.62	
For >100, Deduct	-99.93	
32 93 53 00-0016 EA 45 Gallon Container Tree Planting.....	413.76	
For >10 To 25, Deduct	-20.69	
For >25 To 50, Deduct	-51.72	
For >50 To 100, Deduct	-82.75	
For >100, Deduct	-124.13	
32 93 53 00-0017 EA 65 Gallon Container Tree Planting.....	490.90	
For >10 To 25, Deduct	-24.55	
For >25 To 50, Deduct	-61.36	
For >50 To 100, Deduct	-98.18	
For >100, Deduct	-147.27	
32 93 53 00-0018 EA 6' Balled And Burlapped Tree Planting	175.32	
For >10 To 25, Deduct	-8.77	
For >25 To 50, Deduct	-21.92	
For >50 To 100, Deduct	-35.06	
For >100, Deduct	-52.60	
32 93 53 00-0019 EA 7' Balled And Burlapped Tree Planting	233.53	
For >10 To 25, Deduct	-11.68	
For >25 To 50, Deduct	-29.19	
For >50 To 100, Deduct	-46.71	
For >100, Deduct	-70.06	
32 93 53 00-0020 EA 8' Balled And Burlapped Tree Planting	262.99	
For >10 To 25, Deduct	-13.15	
For >25 To 50, Deduct	-32.87	
For >50 To 100, Deduct	-52.60	
For >100, Deduct	-78.90	
32 93 53 00-0021 EA 10' Balled And Burlapped Tree Planting	306.81	
For >10 To 25, Deduct	-15.34	
For >25 To 50, Deduct	-38.35	
For >50 To 100, Deduct	-61.36	
For >100, Deduct	-92.04	
32 93 53 00-0022 EA 12' Balled And Burlapped Tree Planting	410.25	
For >10 To 25, Deduct	-20.51	
For >25 To 50, Deduct	-51.28	
For >50 To 100, Deduct	-82.05	
For >100, Deduct	-123.08	
32 93 53 00-0023 EA 14' Balled And Burlapped Tree Planting	469.87	
For >10 To 25, Deduct	-23.49	
For >25 To 50, Deduct	-58.73	
For >50 To 100, Deduct	-93.97	
For >100, Deduct	-140.96	
32 93 53 00-0024 EA 16' Balled And Burlapped Tree Planting	569.80	
For >10 To 25, Deduct	-28.49	
For >25 To 50, Deduct	-71.23	
For >50 To 100, Deduct	-113.96	
For >100, Deduct	-170.94	
32 93 53 00-0025 EA 18' Balled And Burlapped Tree Planting	683.76	
For >10 To 25, Deduct	-34.19	
For >25 To 50, Deduct	-85.47	
For >50 To 100, Deduct	-136.75	
For >100, Deduct	-205.13	



Exterior Improvements		32
Planting		32 90
Plants		32 93

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 53 00-0026	EA		20' Balled And Burlapped Tree Planting	788.95	
			For >10 To 25, Deduct	-39.45	
			For >25 To 50, Deduct	-98.62	
			For >50 To 100, Deduct	-157.79	
			For >100, Deduct	-236.69	
32 93 53 00-0027	EA		1-1/2" Caliper Balled And Burlapped Tree Planting	262.99	
			For >10 To 25, Deduct	-13.15	
			For >25 To 50, Deduct	-32.87	
			For >50 To 100, Deduct	-52.60	
			For >100, Deduct	-78.90	
32 93 53 00-0028	EA		2" Caliper Balled And Burlapped Tree Planting	306.81	
			For >10 To 25, Deduct	-15.34	
			For >25 To 50, Deduct	-38.35	
			For >50 To 100, Deduct	-61.36	
			For >100, Deduct	-92.04	
32 93 53 00-0029	EA		2-1/2" Caliper Balled And Burlapped Tree Planting	412.01	
			For >10 To 25, Deduct	-20.60	
			For >25 To 50, Deduct	-51.50	
			For >50 To 100, Deduct	-82.40	
			For >100, Deduct	-123.60	
32 93 53 00-0030	EA		3" Caliper Balled And Burlapped Tree Planting	473.37	
			For >10 To 25, Deduct	-23.67	
			For >25 To 50, Deduct	-59.17	
			For >50 To 100, Deduct	-94.67	
			For >100, Deduct	-142.01	
32 93 53 00-0031	EA		3-1/2" Caliper Balled And Burlapped Tree Planting	525.97	
			For >10 To 25, Deduct	-26.30	
			For >25 To 50, Deduct	-65.75	
			For >50 To 100, Deduct	-105.19	
			For >100, Deduct	-157.79	
32 93 53 00-0032	EA		4" Caliper Balled And Burlapped Tree Planting	603.11	
			For >10 To 25, Deduct	-30.16	
			For >25 To 50, Deduct	-75.39	
			For >50 To 100, Deduct	-120.62	
			For >100, Deduct	-180.93	
32 93 53 00-0033 Planting Shrubs <small>(32 93 53)</small>					
Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.					
32 93 53 00-0034	EA		1 Gallon Container Shrub Planting	14.91	
			For >10 To 25, Deduct	-0.75	
			For >25 To 50, Deduct	-1.86	
			For >50 To 100, Deduct	-2.98	
			For >100, Deduct	-4.47	
32 93 53 00-0035	EA		2 Gallon Container Shrub Planting	21.04	
			For >10 To 25, Deduct	-1.05	
			For >25 To 50, Deduct	-2.63	
			For >50 To 100, Deduct	-4.21	
			For >100, Deduct	-6.31	
32 93 53 00-0036	EA		3 Gallon Container Shrub Planting	26.30	
			For >10 To 25, Deduct	-1.32	
			For >25 To 50, Deduct	-3.29	
			For >50 To 100, Deduct	-5.26	
			For >100, Deduct	-7.89	
32 93 53 00-0037	EA		4 Gallon Container Shrub Planting	35.07	
			For >10 To 25, Deduct	-1.75	
			For >25 To 50, Deduct	-4.38	
			For >50 To 100, Deduct	-7.01	
			For >100, Deduct	-10.52	
32 93 53 00-0038	EA		5 Gallon Container Shrub Planting	43.83	
			For >10 To 25, Deduct	-2.19	
			For >25 To 50, Deduct	-5.48	
			For >50 To 100, Deduct	-8.77	
			For >100, Deduct	-13.15	
32 93 53 00-0039	EA		7 Gallon Container Shrub Planting	59.61	
			For >10 To 25, Deduct	-2.98	
			For >25 To 50, Deduct	-7.45	
			For >50 To 100, Deduct	-11.92	
			For >100, Deduct	-17.88	
32 93 53 00-0040	EA		10 Gallon Container Shrub Planting	78.89	
			For >10 To 25, Deduct	-3.94	
			For >25 To 50, Deduct	-9.86	
			For >50 To 100, Deduct	-15.78	
			For >100, Deduct	-23.67	
32 93 53 00-0041	EA		15 Gallon Container Shrub Planting	108.70	
			For >10 To 25, Deduct	-5.44	
			For >25 To 50, Deduct	-13.59	
			For >50 To 100, Deduct	-21.74	
			For >100, Deduct	-32.61	
32 93 53 00-0042	EA		20 Gallon Container Shrub Planting	182.34	
			For >10 To 25, Deduct	-9.12	
			For >25 To 50, Deduct	-22.79	
			For >50 To 100, Deduct	-36.47	
			For >100, Deduct	-54.70	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 53 00-0043 EA 25 Gallon Container Shrub Planting.....	233.53	
For >10 To 25, Deduct	-11.68	
For >25 To 50, Deduct	-29.19	
For >50 To 100, Deduct	-46.71	
For >100, Deduct	-70.06	
32 93 53 00-0044 EA 15" Balled And Burlapped Shrub Planting.....	49.09	
For >10 To 25, Deduct	-2.45	
For >25 To 50, Deduct	-6.14	
For >50 To 100, Deduct	-9.82	
For >100, Deduct	-14.73	
32 93 53 00-0045 EA 18" Balled And Burlapped Shrub Planting.....	50.85	
For >10 To 25, Deduct	-2.54	
For >25 To 50, Deduct	-6.36	
For >50 To 100, Deduct	-10.17	
For >100, Deduct	-15.26	
32 93 53 00-0046 EA 24" Balled And Burlapped Shrub Planting.....	56.10	
For >10 To 25, Deduct	-2.81	
For >25 To 50, Deduct	-7.01	
For >50 To 100, Deduct	-11.22	
For >100, Deduct	-16.83	
32 93 53 00-0047 EA 30" Balled And Burlapped Shrub Planting.....	56.10	
For >10 To 25, Deduct	-2.81	
For >25 To 50, Deduct	-7.01	
For >50 To 100, Deduct	-11.22	
For >100, Deduct	-16.83	
32 93 53 00-0048 EA 36" Balled And Burlapped Shrub Planting.....	61.36	
For >10 To 25, Deduct	-3.07	
For >25 To 50, Deduct	-7.67	
For >50 To 100, Deduct	-12.27	
For >100, Deduct	-18.41	
32 93 53 00-0049 EA 42" Balled And Burlapped Shrub Planting.....	64.87	
For >10 To 25, Deduct	-3.24	
For >25 To 50, Deduct	-8.11	
For >50 To 100, Deduct	-12.97	
For >100, Deduct	-19.46	
32 93 53 00-0050 EA 48" Balled And Burlapped Shrub Planting.....	70.13	
For >10 To 25, Deduct	-3.51	
For >25 To 50, Deduct	-8.77	
For >50 To 100, Deduct	-14.03	
For >100, Deduct	-21.04	
32 93 53 00-0051 EA 5' Balled And Burlapped Shrub Planting.....	105.20	
For >10 To 25, Deduct	-5.26	
For >25 To 50, Deduct	-13.15	
For >50 To 100, Deduct	-21.04	
For >100, Deduct	-31.56	
32 93 53 00-0052 EA 6' Balled And Burlapped Shrub Planting.....	149.02	
For >10 To 25, Deduct	-7.45	
For >25 To 50, Deduct	-18.63	
For >50 To 100, Deduct	-29.80	
For >100, Deduct	-44.71	
32 93 53 00-0053 EA 7' Balled And Burlapped Shrub Planting.....	198.12	
For >10 To 25, Deduct	-9.91	
For >25 To 50, Deduct	-24.77	
For >50 To 100, Deduct	-39.62	
For >100, Deduct	-59.44	
32 93 53 00-0054 EA 8' Balled And Burlapped Shrub Planting.....	224.42	
For >10 To 25, Deduct	-11.22	
For >25 To 50, Deduct	-28.05	
For >50 To 100, Deduct	-44.88	
For >100, Deduct	-67.33	
32 93 53 00-0055 EA 9' Balled And Burlapped Shrub Planting.....	241.94	
For >10 To 25, Deduct	-12.10	
For >25 To 50, Deduct	-30.24	
For >50 To 100, Deduct	-48.39	
For >100, Deduct	-72.58	
32 93 53 00-0056 EA 10' Balled And Burlapped Shrub Planting.....	262.99	
For >10 To 25, Deduct	-13.15	
For >25 To 50, Deduct	-32.87	
For >50 To 100, Deduct	-52.60	
For >100, Deduct	-78.90	
32 93 53 00-0057 Planting Groundcover, Vines, Perennials, Annuals And Bulbs (32 93 53)		
See CSI section 32 91 13 16-0001 for mulch.		
32 93 53 00-0058 EA 2-1/4" Diameter Potted Groundcover And Flower Planting.....	1.46	
For >10 To 25, Deduct	-0.07	
For >25 To 50, Deduct	-0.18	
For >50 To 100, Deduct	-0.29	
For >100, Deduct	-0.44	
32 93 53 00-0059 EA 3" Diameter Potted Groundcover And Flower Planting.....	1.66	
For >10 To 25, Deduct	-0.08	
For >25 To 50, Deduct	-0.21	
For >50 To 100, Deduct	-0.33	
For >100, Deduct	-0.50	



		Exterior Improvements	32
		Planting	32 90
		Plants	32 93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 53 00-0060 EA 4" Diameter Potted Groundcover And Flower Planting.....	1.95	
For >10 To 25, Deduct	-0.10	
For >25 To 50, Deduct	-0.24	
For >50 To 100, Deduct	-0.39	
For >100, Deduct	-0.59	
32 93 53 00-0061 EA 5-1/2" Diameter Potted Groundcover And Flower Planting.....	2.34	
For >10 To 25, Deduct	-0.12	
For >25 To 50, Deduct	-0.29	
For >50 To 100, Deduct	-0.47	
For >100, Deduct	-0.70	
32 93 53 00-0062 EA 6" Diameter Potted Groundcover And Flower Planting.....	2.92	
For >10 To 25, Deduct	-0.15	
For >25 To 50, Deduct	-0.37	
For >50 To 100, Deduct	-0.58	
For >100, Deduct	-0.88	
32 93 53 00-0063 EA 8" Diameter Potted Groundcover And Flower Planting.....	4.38	
For >10 To 25, Deduct	-0.22	
For >25 To 50, Deduct	-0.55	
For >50 To 100, Deduct	-0.88	
For >100, Deduct	-1.31	
32 93 53 00-0064 EA 1 Gallon Container Groundcover And Flower Planting.....	14.02	
For >10 To 25, Deduct	-0.70	
For >25 To 50, Deduct	-1.75	
For >50 To 100, Deduct	-2.80	
For >100, Deduct	-4.21	
32 93 53 00-0065 EA 2 Gallon Container Groundcover And Flower Planting.....	19.29	
For >10 To 25, Deduct	-0.96	
For >25 To 50, Deduct	-2.41	
For >50 To 100, Deduct	-3.86	
For >100, Deduct	-5.79	
32 93 53 00-0066 EA 3 Gallon Container Groundcover And Flower Planting.....	24.55	
For >10 To 25, Deduct	-1.23	
For >25 To 50, Deduct	-3.07	
For >50 To 100, Deduct	-4.91	
For >100, Deduct	-7.37	
32 93 53 00-0067 EA 4 Gallon Container Groundcover And Flower Planting.....	31.56	
For >10 To 25, Deduct	-1.58	
For >25 To 50, Deduct	-3.95	
For >50 To 100, Deduct	-6.31	
For >100, Deduct	-9.47	
32 93 53 00-0068 EA 5 Gallon Container Groundcover And Flower Planting.....	38.57	
For >10 To 25, Deduct	-1.93	
For >25 To 50, Deduct	-4.82	
For >50 To 100, Deduct	-7.71	
For >100, Deduct	-11.57	
32 93 53 00-0069 EA 7 Gallon Container Groundcover And Flower Planting.....	52.59	
For >10 To 25, Deduct	-2.63	
For >25 To 50, Deduct	-6.57	
For >50 To 100, Deduct	-10.52	
For >100, Deduct	-15.78	
32 93 53 00-0070 EA Bulb Planting.....	0.87	
For >10 To 25, Deduct	-0.04	
For >25 To 50, Deduct	-0.11	
For >50 To 100, Deduct	-0.17	
For >100, Deduct	-0.26	
32 93 53 00-0071 EA Flats Of 24 Groundcover And Flower Planting.....	24.54	
For >10 To 25, Deduct	-1.23	
For >25, Deduct	-3.07	
32 93 53 00-0072 EA Flats Of 36 Groundcover And Flower Planting.....	34.81	
For >10 To 25, Deduct	-1.74	
For >25, Deduct	-4.35	
32 93 53 00-0073 EA Flats Of 48 Groundcover And Flower Planting.....	46.35	
For >10 To 25, Deduct	-2.32	
For >25, Deduct	-5.79	

32 93 53 00-0074

Tree Pits (32 93 53)

Note: Costs given show the tree pit size accommodates the soil ball and the type of soil excavated includes excavation, bank run sand and gravel fill for drainage, imported mix planting soil, hand backfill, perforated drainage pipe for watering, and drainage fabric. Includes one layer of woven fabric to be applied before mulch is spread. Excludes additional soil conditioners or mulch.

32 93 53 00-0075 EA 2' x 1-1/4' Deep Tree Pit.....	106.95
32 93 53 00-0076 EA 2' x 2-1/2' Deep Tree Pit.....	160.39
32 93 53 00-0077 EA 2-1/2' x 1-1/2' Deep Tree Pit.....	205.98
32 93 53 00-0078 EA 2-1/2' x 3' Deep Tree Pit.....	308.93
32 93 53 00-0079 EA 3' x 1-3/4' Deep Tree Pit.....	320.16
32 93 53 00-0080 EA 3' x 3-1/2' Deep Tree Pit.....	478.04
32 93 53 00-0081 EA 3-1/2' x 1-3/4' Deep Tree Pit.....	393.62
32 93 53 00-0082 EA 3-1/2' x 3-1/2' Deep Tree Pit.....	589.71
32 93 53 00-0083 EA 4' x 2' Deep Tree Pit.....	471.03
32 93 53 00-0084 EA 4' x 4' Deep Tree Pit.....	706.20
32 93 53 00-0085 EA 4-1/2' x 2' Deep Tree Pit.....	680.34
32 93 53 00-0086 EA 4-1/2' x 4' Deep Tree Pit.....	1,022.28
32 93 53 00-0087 EA 5' x 2-1/4' Deep Tree Pit.....	904.87
32 93 53 00-0088 EA 5' x 4-1/2' Deep Tree Pit.....	1,349.00

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 53 00-0089	EA		6' x 2-1/2' Deep Tree Pit	1,283.20	
32 93 53 00-0090	EA		6' x 5' Deep Tree Pit.....	1,922.30	
32 93 53 00-0091	EA		7' x 3' Deep Tree Pit.....	2,163.11	
32 93 53 00-0092	EA		7' x 6' Deep Tree Pit.....	3,259.80	
32 93 53 00-0093	EA		8' x 3-1/4' Deep Tree Pit	2,979.63	
32 93 53 00-0094	EA		8' x 6-1/2' Deep Tree Pit	4,467.78	

32 94 Planting Accessories (32 90)**32 94 13 Landscape Edging** (32 94)

Note: Including stakes.

32 94 13 00-0001 Landscape Edging (32 94 13)

Note: Includes stakes.

32 94 13 00-0002	LF		1/8" x 4", Mill Finish, Aluminum Alloy Landscape Edging	6.78	2.13
32 94 13 00-0003	LF		1/8" x 4", Black Paint, Aluminum Alloy Landscape Edging	7.31	2.13
32 94 13 00-0004	LF		1/8" x 4", Black Anodized, Aluminum Alloy Landscape Edging.....	7.34	2.13
32 94 13 00-0005	LF		3/16" x 4", Mill Finish, Aluminum Alloy Landscape Edging	8.28	2.20
32 94 13 00-0006	LF		3/16" x 4", Black Paint, Aluminum Alloy Landscape Edging	8.93	2.20
32 94 13 00-0007	LF		3/16" x 4", Black Anodized, Aluminum Alloy Landscape Edging.....	8.92	2.20
32 94 13 00-0008	LF		1/8" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	7.54	2.27
32 94 13 00-0009	LF		1/8" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	8.26	2.27
32 94 13 00-0010	LF		1/8" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging.....	8.33	2.27
32 94 13 00-0011	LF		3/16" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	9.26	2.34
32 94 13 00-0012	LF		3/16" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	9.99	2.34
32 94 13 00-0013	LF		3/16" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging.....	10.05	2.34
32 94 13 00-0014	LF		3/16" x 4" Powder Coated Steel Landscape Edging	8.24	2.20
32 94 13 00-0015	LF		1/4" x 5" Powder Coated Steel Landscape Edging	11.08	2.20

32 94 16 Landscape Timbers (32 94)

32 94 16 00-0001	LF		6" x 8" Railroad Ties	11.22	3.99
32 94 16 00-0002	LF		7" x 9" Railroad Ties	13.61	5.01
32 94 16 00-0003	LF		1" x 4" Redwood	3.93	1.42
32 94 16 00-0004	LF		2" x 4" Redwood Edging	5.46	2.12
32 94 16 00-0005	LF		4" x 6" Pressure Treated Hardwood.....	8.12	2.83
32 94 16 00-0006	LF		6" x 6" Pressure Treated Hardwood.....	10.57	3.55
32 94 16 00-0007	LF		6" x 8" Pressure Treated Hardwood.....	12.32	4.16
32 94 16 00-0008	LF		1" x 4" Pressure Treated Pine.....	3.26	1.42
32 94 16 00-0009	LF		2" x 4" Pressure Treated Pine.....	4.92	2.12
32 94 16 00-0010	LF		4" x 6" Pressure Treated Pine.....	7.72	2.75
32 94 16 00-0011	LF		6" x 6" Pressure Treated Pine.....	10.49	3.55
32 94 16 00-0012	LF		6" x 8" Pressure Treated Pine.....	12.81	4.16

32 94 43 Tree Grates (32 94)**32 94 43 00-0001 Tree Grates With Frames** (32 94 43)**32 94 43 00-0002 Round Cast Iron Tree Grates With Frames** (32 94 43 00-0001)

32 94 43 00-0003	EA		32" Diameter, 100 To 150 LB Cast Iron Tree Grate With Frame	617.62	52.89
			<i>For >3 To 9, Deduct</i>	-38.39	
			<i>For >9, Deduct</i>	-79.33	
32 94 43 00-0004	EA		36" Diameter, 125 To 175 LB Cast Iron Tree Grate With Frame	710.67	52.89
			<i>For >3 To 9, Deduct</i>	-45.37	
			<i>For >9, Deduct</i>	-93.76	
32 94 43 00-0005	EA		42" Diameter, 150 To 200 LB Cast Iron Tree Grate With Frame	862.25	70.52
			<i>For >3 To 9, Deduct</i>	-54.09	
			<i>For >9, Deduct</i>	-111.79	
32 94 43 00-0006	EA		48" Diameter, 200 To 250 LB Cast Iron Tree Grate With Frame	1,064.79	70.52
			<i>For >3 To 9, Deduct</i>	-69.28	
			<i>For >9, Deduct</i>	-143.18	
32 94 43 00-0007	EA		54" Diameter, 300 To 350 LB Cast Iron Tree Grate With Frame	1,364.17	88.16
			<i>For >3 To 9, Deduct</i>	-89.09	
			<i>For >9, Deduct</i>	-184.12	
32 94 43 00-0008	EA		60" Diameter, Up To 350 LB Cast Iron Tree Grate With Frame.....	1,437.75	105.79
			<i>For >3 To 9, Deduct</i>	-91.96	
			<i>For >9, Deduct</i>	-190.06	
32 94 43 00-0009	EA		60" Diameter, >350 LB Cast Iron Tree Grate With Frame	1,578.70	105.79
			<i>For >3 To 9, Deduct</i>	-102.53	
			<i>For >9, Deduct</i>	-211.91	
32 94 43 00-0010	EA		72" Diameter, Up To 550 LB Cast Iron Tree Grate With Frame.....	2,106.15	149.86
			<i>For >3 To 9, Deduct</i>	-135.48	
			<i>For >9, Deduct</i>	-280.00	
32 94 43 00-0011	EA		72" Diameter, >500 To 550 LB Cast Iron Tree Grate With Frame	2,188.26	149.86
			<i>For >3 To 9, Deduct</i>	-141.64	
			<i>For >9, Deduct</i>	-292.72	
32 94 43 00-0012	EA		72" Diameter, >600 To 650 LB Cast Iron Tree Grate With Frame	2,256.69	149.86
			<i>For >3 To 9, Deduct</i>	-146.77	
			<i>For >9, Deduct</i>	-303.33	
32 94 43 00-0013	EA		72" Diameter, >650 To 700 LB Cast Iron Tree Grate With Frame	2,311.43	149.86
			<i>For >3 To 9, Deduct</i>	-150.88	
			<i>For >9, Deduct</i>	-311.81	



Exterior Improvements	32
Planting	32 90
Planting Accessories	32 94

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0014 EA 72" Diameter, >700 LB Cast Iron Tree Grate With Frame	2,352.48	149.86
<i>For >3 To 9, Deduct</i>	-153.96	
<i>For >9, Deduct</i>	-318.18	
32 94 43 00-0015 EA 93" Diameter, 950 To 1,000 LB Cast Iron Tree Grate With Frame	2,586.02	176.31
<i>For >3 To 9, Deduct</i>	-167.50	
<i>For >9, Deduct</i>	-346.18	
32 94 43 00-0016 Square Cast Iron Tree Grates With Frames (32 94 43 00-0001)		
32 94 43 00-0017 EA 30" x 30", 75 To 125 LB Cast Iron Tree Grate With Frame	571.08	52.89
<i>For >3 To 9, Deduct</i>	-34.90	
<i>For >9, Deduct</i>	-72.12	
32 94 43 00-0018 EA 36" x 36", 100 To 150 LB Cast Iron Tree Grate With Frame	687.40	52.89
<i>For >3 To 9, Deduct</i>	-43.62	
<i>For >9, Deduct</i>	-90.15	
32 94 43 00-0019 EA 48" x 48", Up To 200 LB Cast Iron Tree Grate With Frame	1,024.78	88.16
<i>For >3 To 9, Deduct</i>	-63.64	
<i>For >9, Deduct</i>	-131.51	
32 94 43 00-0020 EA 48" x 48", >200 To 250 LB Cast Iron Tree Grate With Frame	1,202.69	88.16
<i>For >3 To 9, Deduct</i>	-76.98	
<i>For >9, Deduct</i>	-159.09	
32 94 43 00-0021 EA 48" x 48", >250 To 300 LB Cast Iron Tree Grate With Frame	1,366.91	88.16
<i>For >3 To 9, Deduct</i>	-89.30	
<i>For >9, Deduct</i>	-184.54	
32 94 43 00-0022 EA 48" x 48", >300 To 350 LB Cast Iron Tree Grate With Frame	1,517.44	88.16
<i>For >3 To 9, Deduct</i>	-100.58	
<i>For >9, Deduct</i>	-207.88	
32 94 43 00-0023 EA 48" x 48", >350 To 400 LB Cast Iron Tree Grate With Frame	1,654.29	88.16
<i>For >3 To 9, Deduct</i>	-110.85	
<i>For >9, Deduct</i>	-229.09	
32 94 43 00-0024 EA 48" x 48", >400 LB Cast Iron Tree Grate With Frame	1,777.45	88.16
<i>For >3 To 9, Deduct</i>	-120.09	
<i>For >9, Deduct</i>	-248.18	
32 94 43 00-0025 EA 60" x 60", Up To 400 LB Cast Iron Tree Grate With Frame	1,724.82	123.41
<i>For >3 To 9, Deduct</i>	-110.85	
<i>For >9, Deduct</i>	-229.09	
32 94 43 00-0026 EA 60" x 60", >400 To 450 LB Cast Iron Tree Grate With Frame	1,847.98	123.41
<i>For >3 To 9, Deduct</i>	-120.09	
<i>For >9, Deduct</i>	-248.18	
32 94 43 00-0027 EA 60" x 60", >450 To 500 LB Cast Iron Tree Grate With Frame	1,957.46	123.41
<i>For >3 To 9, Deduct</i>	-128.30	
<i>For >9, Deduct</i>	-265.15	
32 94 43 00-0028 EA 60" x 60", >500 To 550 LB Cast Iron Tree Grate With Frame	2,053.26	123.41
<i>For >3 To 9, Deduct</i>	-135.48	
<i>For >9, Deduct</i>	-280.00	
32 94 43 00-0029 EA 60" x 60", >550 To 600 LB Cast Iron Tree Grate With Frame	2,135.37	123.41
<i>For >3 To 9, Deduct</i>	-141.64	
<i>For >9, Deduct</i>	-292.72	
32 94 43 00-0030 EA 60" x 60", >600 LB Cast Iron Tree Grate With Frame	2,203.80	123.41
<i>For >3 To 9, Deduct</i>	-146.77	
<i>For >9, Deduct</i>	-303.33	
32 94 43 00-0031 EA 72" x 72", Up To 550 LB Cast Iron Tree Grate With Frame	2,106.15	149.86
<i>For >3 To 9, Deduct</i>	-135.48	
<i>For >9, Deduct</i>	-280.00	
32 94 43 00-0032 EA 72" x 72", >550 To 600 LB Cast Iron Tree Grate With Frame	2,188.26	149.86
<i>For >3 To 9, Deduct</i>	-141.64	
<i>For >9, Deduct</i>	-292.72	
32 94 43 00-0033 EA 72" x 72", >600 To 650 LB Cast Iron Tree Grate With Frame	2,256.69	149.86
<i>For >3 To 9, Deduct</i>	-146.77	
<i>For >9, Deduct</i>	-303.33	
32 94 43 00-0034 EA 72" x 72", >650 To 700 LB Cast Iron Tree Grate With Frame	2,311.43	149.86
<i>For >3 To 9, Deduct</i>	-150.88	
<i>For >9, Deduct</i>	-311.81	
32 94 43 00-0035 EA 72" x 72", >700 To 750 LB Cast Iron Tree Grate With Frame	2,352.48	149.86
<i>For >3 To 9, Deduct</i>	-153.96	
<i>For >9, Deduct</i>	-318.18	
32 94 43 00-0036 EA 72" x 72", >750 To 800 LB Cast Iron Tree Grate With Frame	2,379.85	149.86
<i>For >3 To 9, Deduct</i>	-156.01	
<i>For >9, Deduct</i>	-322.42	
32 94 43 00-0037 EA 72" x 72", >800 To 850 LB Cast Iron Tree Grate With Frame	2,393.53	149.86
<i>For >3 To 9, Deduct</i>	-157.04	
<i>For >9, Deduct</i>	-324.54	
32 94 43 00-0038 EA 72" x 72", >850 LB Cast Iron Tree Grate With Frame	2,407.22	149.86
<i>For >3 To 9, Deduct</i>	-158.06	
<i>For >9, Deduct</i>	-326.66	
32 94 43 00-0039 Rectangular Cast Iron Tree Grates With Frames (32 94 43 00-0001)		
32 94 43 00-0040 EA 36" x 48", 200 To 250 LB Cast Iron Tree Grate With Frame	1,064.79	70.52
<i>For >3 To 9, Deduct</i>	-69.28	
<i>For >9, Deduct</i>	-143.18	
32 94 43 00-0041 EA 36" x 60", 200 To 250 LB Cast Iron Tree Grate With Frame	1,085.31	70.52
<i>For >3 To 9, Deduct</i>	-70.82	
<i>For >9, Deduct</i>	-146.36	

32 Exterior Improvements

32 90 Planting

32 94 Planting Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0042	EA		36" x 72", 275 To 325 LB Cast Iron Tree Grate With Frame <i>For >3 To 9, Deduct</i> <i>For >9, Deduct</i>	1,327.22 -86.32 -178.39	88.16
32 94 43 00-0043	EA		48" x 72", Up To 350 LB Cast Iron Tree Grate With Frame <i>For >3 To 9, Deduct</i> <i>For >9, Deduct</i>	1,555.76 -103.46 -213.81	88.16
32 94 43 00-0044	EA		48" x 72", >350 LB Cast Iron Tree Grate With Frame <i>For >3 To 9, Deduct</i> <i>For >9, Deduct</i>	1,654.29 -110.85 -229.09	88.16
32 94 43 00-0045	EA		60" x 84", 700 To 750 LB Cast Iron Tree Grate With Frame <i>For >3 To 9, Deduct</i> <i>For >9, Deduct</i>	2,229.31 -144.72 -299.08	149.86

32 94 49 Plant And Tree Accessories (32 94)

32 94 49 00-0001 Tree Guying (32 94 49)

32 94 49 00-0002 Tree Guying, Stakes (32 94 49 00-0001)

Note: Includes stakes, cross brace, double #12 gauge twisted wire and reinforced rubber hose tree wrap.

32 94 49 00-0003	EA		Tree Guying Up To 2" Caliper, 2 Stakes, Guy Wire And Wrap	18.55	
32 94 49 00-0004	EA		Tree Guying 2" To 3" Caliper, 2 Stakes, Guy Wire And Wrap.....	33.46	
32 94 49 00-0005	EA		Tree Guying 3" To 4" Caliper, 3 Stakes, Guy Wire And Wrap.....	57.52	

32 94 49 00-0006 Tree Guying, Anchors (32 94 49 00-0001)

Note: Includes arrowhead anchor, cable, turnbuckles and wrap or reinforced rubber hose.

32 94 49 00-0007	EA		Tree Guying Up To 3" Caliper, 3" Anchors And Polypropylene Flat Rope.....	77.22	
32 94 49 00-0008	EA		Tree Guying 3" To 6" Caliper, 4" Anchors And Polypropylene Flat Rope	104.08	
32 94 49 00-0009	EA		Tree Guying 6" To 8" Caliper, 6" Anchors And Polypropylene Flat Rope	132.87	
32 94 49 00-0010	EA		Tree Guying 8" And Up Caliper, 8" Anchors And Polypropylene Flat Rope.....	172.31	

32 94 49 00-0011 Tree Wrap (32 94 49)

32 94 49 00-0012	EA		Tree Wrap, Up To 1" Caliper Applied Ground Level To First Branches Of Tree	5.20	
32 94 49 00-0013	EA		Tree Wrap, 1" To 2" Caliper Applied Ground Level To First Branches Of Tree	8.56	
32 94 49 00-0014	EA		Tree Wrap, >2" To 4" Caliper Applied Ground Level To First Branches Of Tree	16.82	
32 94 49 00-0015	EA		Tree Wrap, >4" To 6" Caliper Applied Ground Level To First Branches Of Tree	25.64	

32 94 49 00-0016 Tree Guards (32 94 49)

32 94 49 00-0017	EA		3' Preformed Plastic Tree Guard.....	8.95	
32 94 49 00-0018	EA		2' Preformed Plastic Tree Guard.....	8.18	

32 94 49 00-0019 Stake Out Tree And Shrub Locations (32 94 49)

Note: When no design available.

32 94 49 00-0020	EA		Stake Out Trees Or Shrubs	5.37	
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32 94 49 00-0021 Root Barriers (32 94 49)

32 94 49 00-0022	EA		12" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joinder.....	7.91	
32 94 49 00-0023	EA		18" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joinder.....	10.93	
32 94 49 00-0024	EA		24" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joinder.....	12.84	
32 94 49 00-0025	EA		36" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joinder.....	23.42	
32 94 49 00-0026	EA		48" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joinder.....	32.13	

32 96 Transplanting (32 96)

See CSI section 32 94 49 00-0001 for guying.

32 96 33 Shrub Transplanting (32 96)

Note: Includes digging up, moving on site, digging new hole and replanting.

32 96 33 00-0001 Moving Shrubs On Site, Relocate (32 96 33)

Note: Includes digging up, moving on site, digging new hole and replanting. See CSI section 32 94 49 00-0001 for guying.

32 96 33 00-0002	EA		Up To 18" Root Ball, Move Shrubs On Site	59.89	
			<i>For >25 To 50, Deduct</i>	-5.99	
			<i>For >50, Deduct</i>	-8.98	
32 96 33 00-0003	EA		>18" To 24" Root Ball, Move Shrubs On Site.....	81.03	
			<i>For >25 To 50, Deduct</i>	-8.10	
			<i>For >50, Deduct</i>	-12.15	
32 96 33 00-0004	EA		>24" To 30" Root Ball, Move Shrubs On Site.....	137.39	
			<i>For >25 To 50, Deduct</i>	-13.74	
			<i>For >50, Deduct</i>	-20.61	
32 96 33 00-0005	EA		>30" To 36" Root Ball, Move Shrubs On Site.....	211.38	
			<i>For >25 To 50, Deduct</i>	-21.14	
			<i>For >50, Deduct</i>	-31.71	

32 96 43 Tree Transplanting (32 96)

Note: Includes digging up, moving on site, digging new hole and replanting.



Exterior Improvements		32
Planting		32 90
Transplanting		32 96

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 96 43 00-0001 Moving Trees On Site, Relocate <small>(32 96 43)</small>		
Note: Includes digging up, moving on site, digging new hole and replanting. Excludes crane where necessary for trees over 20' tall. See CSI section 01 22 23 00-0789 for crane lifting equipment, 32 94 49 00-0001 for guying.		
32 96 43 00-0002 EA Up To 24" Root Ball, Move Trees On Site	228.70	
For >5 To 10, Deduct	-11.44	
For >10 To 20, Deduct	-22.87	
For >20, Deduct	-34.31	
32 96 43 00-0003 EA >24" To 30" Root Ball, Move Trees On Site.....	313.63	
For >5 To 10, Deduct	-15.68	
For >10 To 20, Deduct	-31.36	
For >20, Deduct	-47.04	
32 96 43 00-0004 EA >30" To 36" Root Ball, Move Trees On Site.....	508.20	
For >5 To 10, Deduct	-25.41	
For >10 To 20, Deduct	-50.82	
For >20, Deduct	-76.23	
32 96 43 00-0005 EA >36" To 48" Root Ball, Move Trees On Site.....	844.40	
For >5 To 10, Deduct	-42.22	
For >10 To 20, Deduct	-84.44	
For >20, Deduct	-126.66	
32 96 43 00-0006 EA >48" To 60" Root Ball, Move Trees On Site.....	1,372.15	
For >5 To 10, Deduct	-68.61	
For >10 To 20, Deduct	-137.22	
For >20, Deduct	-205.82	
32 96 43 00-0007 EA >60" To 72" Root Ball, Move Trees On Site.....	1,770.51	
For >5 To 10, Deduct	-88.53	
For >10 To 20, Deduct	-177.05	
For >20, Deduct	-265.58	
32 96 43 00-0008 EA >72" To 84" Root Ball, Move Trees On Site.....	2,286.92	
For >5 To 10, Deduct	-114.35	
For >10 To 20, Deduct	-228.69	
For >20, Deduct	-343.04	
32 96 43 00-0009 EA >84" To 96" Root Ball, Move Trees On Site.....	2,744.30	
For >5 To 10, Deduct	-137.22	
For >10 To 20, Deduct	-274.43	
For >20, Deduct	-411.65	
32 96 43 00-0010 EA >96" To 120" Root Ball, Move Trees On Site.....	3,118.52	
For >5 To 10, Deduct	-155.93	
For >10 To 20, Deduct	-311.85	
For >20, Deduct	-467.78	

END OF SECTION 32

32	32	Exterior Improvements
	32 90	Planting
	32 96	Transplanting



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 Utilities

33 01 Operation And Maintenance Of Utilities ⁽³³⁾

33 01 10 Operation And Maintenance Of Water Utilities ^(33 01)

33 01 10 54 **Cleaning of Water Utility Piping** ^(33 01 10)

See CSI section 33 01 30 41-0006 for cleaning of water lines.

33 01 10 58 **Disinfection of Water Utility Piping Systems** ^(33 01 10)

33 01 10 58-0001 **Water Main Disinfection/Sterilization** ^(33 01 10 58)

Note: Gas chlorination. Continuous or plug method.

33 01 10 58-0002	EA	Setting Up And Removing Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	804.96
33 01 10 58-0003	EA	Re-Set Up/Move Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	402.47
33 01 10 58-0004	LF	Up To 4" Diameter Pipe Water Main Disinfection/Sterilization	0.31
		<i>For >250 To 500, Deduct</i>	<i>-0.02</i>
		<i>For >500 To 1,000, Deduct</i>	<i>-0.03</i>
		<i>For >1,000 To 2,000, Deduct</i>	<i>-0.05</i>
		<i>For >2,000 To 5,000, Deduct</i>	<i>-0.06</i>
		<i>For >5,000, Deduct</i>	<i>-0.08</i>
33 01 10 58-0005	LF	6" Diameter Pipe Water Main Disinfection/Sterilization	0.46
		<i>For >250 To 500, Deduct</i>	<i>-0.02</i>
		<i>For >500 To 1,000, Deduct</i>	<i>-0.05</i>
		<i>For >1,000 To 2,000, Deduct</i>	<i>-0.07</i>
		<i>For >2,000 To 5,000, Deduct</i>	<i>-0.09</i>
		<i>For >5,000, Deduct</i>	<i>-0.12</i>
33 01 10 58-0006	LF	8" Diameter Pipe Water Main Disinfection/Sterilization	0.60
		<i>For >250 To 500, Deduct</i>	<i>-0.03</i>
		<i>For >500 To 1,000, Deduct</i>	<i>-0.06</i>
		<i>For >1,000 To 2,000, Deduct</i>	<i>-0.09</i>
		<i>For >2,000 To 5,000, Deduct</i>	<i>-0.12</i>
		<i>For >5,000, Deduct</i>	<i>-0.15</i>
33 01 10 58-0007	LF	10" Diameter Pipe Water Main Disinfection/Sterilization	0.71
		<i>For >250 To 500, Deduct</i>	<i>-0.04</i>
		<i>For >500 To 1,000, Deduct</i>	<i>-0.07</i>
		<i>For >1,000 To 2,000, Deduct</i>	<i>-0.11</i>
		<i>For >2,000 To 5,000, Deduct</i>	<i>-0.14</i>
		<i>For >5,000, Deduct</i>	<i>-0.18</i>
33 01 10 58-0008	LF	12" Diameter Pipe Water Main Disinfection/Sterilization	0.93
		<i>For >250 To 500, Deduct</i>	<i>-0.05</i>
		<i>For >500 To 1,000, Deduct</i>	<i>-0.09</i>
		<i>For >1,000 To 2,000, Deduct</i>	<i>-0.14</i>
		<i>For >2,000 To 5,000, Deduct</i>	<i>-0.19</i>
		<i>For >5,000, Deduct</i>	<i>-0.23</i>
33 01 10 58-0009	LF	>12" To 16" Diameter Pipe Water Main Disinfection/Sterilization	1.05
		<i>For >250 To 500, Deduct</i>	<i>-0.05</i>
		<i>For >500 To 1,000, Deduct</i>	<i>-0.11</i>
		<i>For >1,000 To 2,000, Deduct</i>	<i>-0.16</i>
		<i>For >2,000 To 5,000, Deduct</i>	<i>-0.21</i>
		<i>For >5,000, Deduct</i>	<i>-0.26</i>
33 01 10 58-0010	LF	>16" To 24" Diameter Pipe Water Main Disinfection/Sterilization	1.20
		<i>For >250 To 500, Deduct</i>	<i>-0.06</i>
		<i>For >500 To 1,000, Deduct</i>	<i>-0.12</i>
		<i>For >1,000 To 2,000, Deduct</i>	<i>-0.18</i>
		<i>For >2,000 To 5,000, Deduct</i>	<i>-0.24</i>
		<i>For >5,000, Deduct</i>	<i>-0.30</i>
33 01 10 58-0011	LF	>24" To 30" Diameter Pipe Water Main Disinfection/Sterilization	1.42
		<i>For >250 To 500, Deduct</i>	<i>-0.07</i>
		<i>For >500 To 1,000, Deduct</i>	<i>-0.14</i>
		<i>For >1,000 To 2,000, Deduct</i>	<i>-0.21</i>
		<i>For >2,000 To 5,000, Deduct</i>	<i>-0.28</i>
		<i>For >5,000, Deduct</i>	<i>-0.36</i>
33 01 10 58-0012	LF	>30" To 42" Diameter Pipe Water Main Disinfection/Sterilization	1.83
		<i>For >250 To 500, Deduct</i>	<i>-0.09</i>
		<i>For >500 To 1,000, Deduct</i>	<i>-0.18</i>
		<i>For >1,000 To 2,000, Deduct</i>	<i>-0.27</i>
		<i>For >2,000 To 5,000, Deduct</i>	<i>-0.37</i>
		<i>For >5,000, Deduct</i>	<i>-0.46</i>
33 01 10 58-0013	LF	>42" To 60" Diameter Pipe Water Main Disinfection/Sterilization	2.68
		<i>For >250 To 500, Deduct</i>	<i>-0.13</i>
		<i>For >500 To 1,000, Deduct</i>	<i>-0.27</i>
		<i>For >1,000 To 2,000, Deduct</i>	<i>-0.40</i>
		<i>For >2,000 To 5,000, Deduct</i>	<i>-0.54</i>
		<i>For >5,000, Deduct</i>	<i>-0.67</i>
33 01 10 58-0014	LF	>60" Diameter Pipe Water Main Disinfection/Sterilization	3.71
		<i>For >250 To 500, Deduct</i>	<i>-0.19</i>
		<i>For >500 To 1,000, Deduct</i>	<i>-0.37</i>
		<i>For >1,000 To 2,000, Deduct</i>	<i>-0.56</i>
		<i>For >2,000 To 5,000, Deduct</i>	<i>-0.74</i>
		<i>For >5,000, Deduct</i>	<i>-0.93</i>

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 10 Operation And Maintenance Of Water Utilities**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 10 71 Relining Water Utilities Pipelines <small>(33 01 10)</small>		
See CSI section 33 01 30 71-0000 for relining water pipelines.		
33 01 10 71-0001 Relining Underground Water Pipelines <small>(33 01 10 71)</small>		
Note: Excludes costs for CCTV inspection, pipe cleaning, pavement; temporary and permanent, emergency after hours response for homeowners backups.		
33 01 10 71-0002 Relining Underground Water Pipelines Set-Up And Reinsertion <small>(33 01 10 71-0001)</small>		
33 01 10 71-0003	EA	Initial Set Up And Final Equipment Removal For Relining Underground Water Pipelines .....4,124.64
33 01 10 71-0004	EA	Move And Reset Up At Different Access/Location.....1,649.86
33 01 10 71-0005 Lining Pipe With Cement <small>(33 01 10 71-0001)</small>		
33 01 10 71-0006	LF	Up To 500', 4" Pipe, 1/8" Pipe Lining With Cement.....49.87
		<i>For 3/16" Thickness, Add</i> 0.54
		<i>For 1/4" Thickness, Add</i> 1.08
33 01 10 71-0007	LF	>500' To 1,000', 4" Pipe, 1/8" Pipe Lining With Cement .....44.36
		<i>For 3/16" Thickness, Add</i> 0.54
		<i>For 1/4" Thickness, Add</i> 1.08
33 01 10 71-0008	LF	>1,000' To 5,000', 4" Pipe, 1/8" Pipe Lining With Cement .....36.98
		<i>For 3/16" Thickness, Add</i> 0.54
		<i>For 1/4" Thickness, Add</i> 1.08
33 01 10 71-0009	LF	>5,000', 4" Pipe, 1/8" Pipe Lining With Cement .....27.71
		<i>For 3/16" Thickness, Add</i> 0.54
		<i>For 1/4" Thickness, Add</i> 1.08
33 01 10 71-0010	LF	Up To 500', 6" Pipe, 1/8" Pipe Lining With Cement.....51.67
		<i>For 3/16" Thickness, Add</i> 0.81
		<i>For 1/4" Thickness, Add</i> 1.62
33 01 10 71-0011	LF	>500' To 1,000', 6" Pipe, 1/8" Pipe Lining With Cement .....45.95
		<i>For 3/16" Thickness, Add</i> 0.81
		<i>For 1/4" Thickness, Add</i> 1.62
33 01 10 71-0012	LF	>1,000' To 5,000', 6" Pipe, 1/8" Pipe Lining With Cement .....38.32
		<i>For 3/16" Thickness, Add</i> 0.81
		<i>For 1/4" Thickness, Add</i> 1.62
33 01 10 71-0013	LF	>5,000', 6" Pipe, 1/8" Pipe Lining With Cement .....28.92
		<i>For 3/16" Thickness, Add</i> 0.81
		<i>For 1/4" Thickness, Add</i> 1.62
33 01 10 71-0014	LF	Up To 500', 8" Pipe, 1/8" Pipe Lining With Cement.....53.38
		<i>For 3/16" Thickness, Add</i> 1.08
		<i>For 1/4" Thickness, Add</i> 2.15
33 01 10 71-0015	LF	>500' To 1,000', 8" Pipe, 1/8" Pipe Lining With Cement .....47.54
		<i>For 3/16" Thickness, Add</i> 1.08
		<i>For 1/4" Thickness, Add</i> 2.15
33 01 10 71-0016	LF	>1,000' To 5,000', 8" Pipe, 1/8" Pipe Lining With Cement .....39.65
		<i>For 3/16" Thickness, Add</i> 1.08
		<i>For 1/4" Thickness, Add</i> 2.15
33 01 10 71-0017	LF	>5,000', 8" Pipe, 1/8" Pipe Lining With Cement .....30.12
		<i>For 3/16" Thickness, Add</i> 1.08
		<i>For 1/4" Thickness, Add</i> 2.15
33 01 10 71-0018	LF	Up To 500', 10" Pipe, 1/8" Pipe Lining With Cement.....54.65
		<i>For 3/16" Thickness, Add</i> 1.35
		<i>For 1/4" Thickness, Add</i> 2.70
33 01 10 71-0019	LF	>500' To 1,000', 10" Pipe, 1/8" Pipe Lining With Cement .....48.70
		<i>For 3/16" Thickness, Add</i> 1.35
		<i>For 1/4" Thickness, Add</i> 2.70
33 01 10 71-0020	LF	>1,000' To 5,000', 10" Pipe, 1/8" Pipe Lining With Cement .....40.70
		<i>For 3/16" Thickness, Add</i> 1.35
		<i>For 1/4" Thickness, Add</i> 2.70
33 01 10 71-0021	LF	>5,000', 10" Pipe, 1/8" Pipe Lining With Cement .....31.35
		<i>For 3/16" Thickness, Add</i> 1.35
		<i>For 1/4" Thickness, Add</i> 2.70
33 01 10 71-0022	LF	Up To 500', 12" Pipe, 1/8" Pipe Lining With Cement.....58.93
		<i>For 3/16" Thickness, Add</i> 1.62
		<i>For 1/4" Thickness, Add</i> 3.24
33 01 10 71-0023	LF	>500' To 1,000', 12" Pipe, 1/8" Pipe Lining With Cement .....52.62
		<i>For 3/16" Thickness, Add</i> 1.62
		<i>For 1/4" Thickness, Add</i> 3.24
33 01 10 71-0024	LF	>1,000' To 5,000', 12" Pipe, 1/8" Pipe Lining With Cement .....44.11
		<i>For 3/16" Thickness, Add</i> 1.62
		<i>For 1/4" Thickness, Add</i> 3.24
33 01 10 71-0025	LF	>5,000', 12" Pipe, 1/8" Pipe Lining With Cement .....34.00
		<i>For 3/16" Thickness, Add</i> 1.62
		<i>For 1/4" Thickness, Add</i> 3.24
33 01 10 71-0026	LF	Up To 500', >12" To 16" Pipe, 3/16" Pipe Lining With Cement.....62.78
		<i>For 1/4" Thickness, Add</i> 1.80
		<i>For 5/16" Thickness, Add</i> 3.60
33 01 10 71-0027	LF	>500' To 1,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement.....56.24
		<i>For 1/4" Thickness, Add</i> 1.80
		<i>For 5/16" Thickness, Add</i> 3.60
33 01 10 71-0028	LF	>1,000' To 5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement.....47.36
		<i>For 1/4" Thickness, Add</i> 1.80
		<i>For 5/16" Thickness, Add</i> 3.60
33 01 10 71-0029	LF	>5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement.....37.67
		<i>For 1/4" Thickness, Add</i> 1.80
		<i>For 5/16" Thickness, Add</i> 3.60



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0030 LF Up To 500', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	65.53	
For 1/4" Thickness, Add	2.16	
For 5/16" Thickness, Add	4.31	
33 01 10 71-0031 LF >500' To 1,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	58.78	
For 1/4" Thickness, Add	2.16	
For 5/16" Thickness, Add	4.31	
33 01 10 71-0032 LF >1,000' To 5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	49.61	
For 1/4" Thickness, Add	2.16	
For 5/16" Thickness, Add	4.31	
33 01 10 71-0033 LF >5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	40.43	
For 1/4" Thickness, Add	2.16	
For 5/16" Thickness, Add	4.31	
33 01 10 71-0034 LF Up To 500', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	69.07	
For 1/4" Thickness, Add	2.52	
For 5/16" Thickness, Add	5.04	
33 01 10 71-0035 LF >500' To 1,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	62.09	
For 1/4" Thickness, Add	2.52	
For 5/16" Thickness, Add	5.04	
33 01 10 71-0036 LF >1,000' To 5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	52.47	
For 1/4" Thickness, Add	2.52	
For 5/16" Thickness, Add	5.04	
33 01 10 71-0037 LF >5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	43.87	
For 1/4" Thickness, Add	2.52	
For 5/16" Thickness, Add	5.04	
33 01 10 71-0038 LF Up To 500', 24" Pipe, 3/16" Pipe Lining With Cement	72.67	
For 1/4" Thickness, Add	2.88	
For 5/16" Thickness, Add	5.76	
33 01 10 71-0039 LF >500' To 1,000', 24" Pipe, 3/16" Pipe Lining With Cement	65.40	
For 1/4" Thickness, Add	2.88	
For 5/16" Thickness, Add	5.76	
33 01 10 71-0040 LF >1,000' To 5,000', 24" Pipe, 3/16" Pipe Lining With Cement	55.48	
For 1/4" Thickness, Add	2.88	
For 5/16" Thickness, Add	5.76	
33 01 10 71-0041 LF >5,000', 24" Pipe, 3/16" Pipe Lining With Cement	47.49	
For 1/4" Thickness, Add	2.88	
For 5/16" Thickness, Add	5.76	
33 01 10 71-0042 LF Up To 500', 30" Pipe, 3/16" Pipe Lining With Cement	77.27	
For 1/4" Thickness, Add	3.60	
For 5/16" Thickness, Add	7.19	
33 01 10 71-0043 LF >500' To 1,000', 30" Pipe, 3/16" Pipe Lining With Cement	69.57	
For 1/4" Thickness, Add	3.60	
For 5/16" Thickness, Add	7.19	
33 01 10 71-0044 LF >1,000' To 5,000', 30" Pipe, 3/16" Pipe Lining With Cement	59.07	
For 1/4" Thickness, Add	3.60	
For 5/16" Thickness, Add	7.19	
33 01 10 71-0045 LF >5,000', 30" Pipe, 3/16" Pipe Lining With Cement	50.98	
For 1/4" Thickness, Add	3.60	
For 5/16" Thickness, Add	7.19	
33 01 10 71-0046 LF Up To 500', 36" Pipe, 3/16" Pipe Lining With Cement	81.80	
For 1/4" Thickness, Add	4.32	
For 5/16" Thickness, Add	8.64	
33 01 10 71-0047 LF 500' To 1,000', 36" Pipe, 3/16" Pipe Lining With Cement	73.77	
For 1/4" Thickness, Add	4.32	
For 5/16" Thickness, Add	8.64	
33 01 10 71-0048 LF >1,000' To 5,000', 36" Pipe, 3/16" Pipe Lining With Cement	62.67	
For 1/4" Thickness, Add	4.32	
For 5/16" Thickness, Add	8.64	
33 01 10 71-0049 LF >5,000', 36" Pipe, 3/16" Pipe Lining With Cement	54.50	
For 1/4" Thickness, Add	4.32	
For 5/16" Thickness, Add	8.64	
33 01 10 71-0050 LF Up To 500', 42" Pipe, 1/4" Pipe Lining With Cement	97.91	
For 3/8" Thickness, Add	11.34	
For 7/16" Thickness, Add	17.00	
33 01 10 71-0051 LF >500' To 1,000', 42" Pipe, 1/4" Pipe Lining With Cement	89.16	
For 3/8" Thickness, Add	11.34	
For 7/16" Thickness, Add	17.00	
33 01 10 71-0052 LF >1,000' To 5,000', 42" Pipe, 1/4" Pipe Lining With Cement	77.11	
For 3/8" Thickness, Add	11.34	
For 7/16" Thickness, Add	17.00	
33 01 10 71-0053 LF >5,000', 42" Pipe, 1/4" Pipe Lining With Cement	68.67	
For 3/8" Thickness, Add	11.34	
For 7/16" Thickness, Add	17.00	
33 01 10 71-0054 LF Up To 500', 48" Pipe, 1/4" Pipe Lining With Cement	107.47	
For 3/8" Thickness, Add	12.96	
For 7/16" Thickness, Add	19.43	
33 01 10 71-0055 LF >500' To 1,000', 48" Pipe, 1/4" Pipe Lining With Cement	98.11	
For 3/8" Thickness, Add	12.96	
For 7/16" Thickness, Add	19.43	
33 01 10 71-0056 LF >1,000' To 5,000', 48" Pipe, 1/4" Pipe Lining With Cement	85.14	
For 3/8" Thickness, Add	12.96	
For 7/16" Thickness, Add	19.43	
33 01 10 71-0057 LF >5,000', 48" Pipe, 1/4" Pipe Lining With Cement	76.55	
For 3/8" Thickness, Add	12.96	
For 7/16" Thickness, Add	19.43	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 10 Operation And Maintenance Of Water Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0058 LF Up To 500', 54" Pipe, 1/4" Pipe Lining With Cement.....	112.22	
For 3/8" Thickness, Add	14.57	
For 7/16" Thickness, Add	21.86	
33 01 10 71-0059 LF >500' To 1,000', 54" Pipe, 1/4" Pipe Lining With Cement	102.66	
For 3/8" Thickness, Add	14.57	
For 7/16" Thickness, Add	21.86	
33 01 10 71-0060 LF >1,000' To 5,000', 54" Pipe, 1/4" Pipe Lining With Cement	89.39	
For 3/8" Thickness, Add	14.57	
For 7/16" Thickness, Add	21.86	
33 01 10 71-0061 LF >5,000', 54" Pipe, 1/4" Pipe Lining With Cement	81.13	
For 3/8" Thickness, Add	14.57	
For 7/16" Thickness, Add	21.86	
33 01 10 71-0062 LF Up To 500', 60" Pipe, 1/4" Pipe Lining With Cement.....	116.99	
For 3/8" Thickness, Add	16.20	
For 7/16" Thickness, Add	24.29	
33 01 10 71-0063 LF >500' To 1,000', 60" Pipe, 1/4" Pipe Lining With Cement	107.25	
For 3/8" Thickness, Add	16.20	
For 7/16" Thickness, Add	24.29	
33 01 10 71-0064 LF >1,000' To 5,000', 60" Pipe, 1/4" Pipe Lining With Cement	93.73	
For 3/8" Thickness, Add	16.20	
For 7/16" Thickness, Add	24.29	
33 01 10 71-0065 LF >5,000', 60" Pipe, 1/4" Pipe Lining With Cement.....	85.72	
For 3/8" Thickness, Add	16.20	
For 7/16" Thickness, Add	24.29	
33 01 10 71-0066 LF Up To 500', 66" Pipe, 1/4" Pipe Lining With Cement.....	122.00	
For 3/8" Thickness, Add	17.82	
For 7/16" Thickness, Add	26.72	
33 01 10 71-0067 LF >500' To 1,000', 66" Pipe, 1/4" Pipe Lining With Cement	112.06	
For 3/8" Thickness, Add	17.82	
For 7/16" Thickness, Add	26.72	
33 01 10 71-0068 LF >1,000' To 5,000', 66" Pipe, 1/4" Pipe Lining With Cement	98.32	
For 3/8" Thickness, Add	17.82	
For 7/16" Thickness, Add	26.72	
33 01 10 71-0069 LF >5,000', 66" Pipe, 1/4" Pipe Lining With Cement.....	90.91	
For 3/8" Thickness, Add	17.82	
For 7/16" Thickness, Add	26.72	
33 01 10 71-0070 LF Up To 500', 72" Pipe, 1/4" Pipe Lining With Cement.....	127.33	
For 3/8" Thickness, Add	19.43	
For 7/16" Thickness, Add	29.15	
33 01 10 71-0071 LF >500' To 1,000', 72" Pipe, 1/4" Pipe Lining With Cement	117.22	
For 3/8" Thickness, Add	19.43	
For 7/16" Thickness, Add	29.15	
33 01 10 71-0072 LF >1,000' To 5,000', 72" Pipe, 1/4" Pipe Lining With Cement	103.15	
For 3/8" Thickness, Add	19.43	
For 7/16" Thickness, Add	29.15	
33 01 10 71-0073 LF >5,000', 72" Pipe, 1/4" Pipe Lining With Cement.....	96.16	
For 3/8" Thickness, Add	19.43	
For 7/16" Thickness, Add	29.15	

33 01 30 Operation And Maintenance Of Sewer Utilities (33 01)**33 01 30 11 Television Inspection Of Pipelines** (33 01 30)

Note: Rotating head color camera. Includes all log records and color video tape, DVD or CD.

33 01 30 11-0001 Remote Visual Inspection (RVI) Of Pipe Interior And Culverts (33 01 30 11)**33 01 30 11-0002 Video Camera Set-up** (33 01 30 11-0001)

33 01 30 11-0003 EA Initial Set Up For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert	700.59
Note: A "push camera" is a straight view camera at the end of a rigid push rod for 1"-12" diameter pipes for distances up to 300 feet.	
33 01 30 11-0004 EA Initial Set Up For "Crawler" Video Camera Inspection, 4" To 30" Diameter Pipe Or Culvert.....	1,401.19
Note: Crawlers are generally remotely operated vehicles (ROVs) for longer distances (over 300') and for larger diameters (4" and larger).	
33 01 30 11-0005 EA Initial Set Up For "Crawler" Video Camera Inspection, >30" Diameter Pipe Or Culvert	2,101.77
33 01 30 11-0006 EA Re-Set Up/Move For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert.....	350.29
33 01 30 11-0007 EA Re-Set Up/Move For "Crawler" Video Camera Inspection, 4" And Larger Diameter Pipe Or Culvert	700.59

33 01 30 11-0008 Video Camera Planning And Analysis Inspection (33 01 30 11-0001)

Note: For pipe interior and culverts.

33 01 30 11-0009 LF 4" To 6" Diameter Pipe Inspection, Planning/Analysis Phase.....	1.78
Note: CCTV inspection of pipe interior.	
For >500 To 1,000, Deduct	-0.18
For >1,000 To 5,000, Deduct	-0.45
For >5,000, Deduct	-0.62
33 01 30 11-0010 LF >6" To 12" Diameter Pipe Inspection, Planning/Analysis Phase.....	2.37
Note: CCTV inspection of pipe interior.	
For >500 To 1,000, Deduct	-0.24
For >1,000 To 5,000, Deduct	-0.59
For >5,000, Deduct	-0.83
33 01 30 11-0011 LF >12" To 21" Diameter Pipe Inspection, Planning/Analysis Phase.....	2.96
Note: CCTV inspection of pipe interior.	
For >500 To 1,000, Deduct	-0.30
For >1,000 To 5,000, Deduct	-0.74
For >5,000, Deduct	-1.04



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 11-0012	LF		>21" To 30" Diameter Pipe Inspection, Planning/Analysis Phase..... Note: CCTV inspection of pipe interior.	3.95	
			<i>For >500 To 1,000, Deduct</i>	-0.40	
			<i>For >1,000 To 5,000, Deduct</i>	-0.99	
			<i>For >5,000, Deduct</i>	-1.38	
33 01 30 11-0013	LF		>30" To 42" Diameter Pipe Inspection, Planning/Analysis Phase..... Note: CCTV inspection of pipe interior.	5.55	
			<i>For >500 To 1,000, Deduct</i>	-0.56	
			<i>For >1,000 To 5,000, Deduct</i>	-1.39	
			<i>For >5,000, Deduct</i>	-1.94	
33 01 30 11-0014	LF		>42" To 60" Diameter Pipe Inspection, Planning/Analysis Phase..... Note: CCTV inspection of pipe interior.	7.40	
			<i>For >500 To 1,000, Deduct</i>	-0.74	
			<i>For >1,000 To 5,000, Deduct</i>	-1.85	
			<i>For >5,000, Deduct</i>	-2.59	
33 01 30 11-0015	LF		>60" To 72" Diameter Pipe Inspection, Planning/Analysis Phase..... Note: CCTV inspection of pipe interior.	10.45	
			<i>For >500 To 1,000, Deduct</i>	-1.05	
			<i>For >1,000 To 5,000, Deduct</i>	-2.61	
			<i>For >5,000, Deduct</i>	-3.66	
33 01 30 11-0016	LF		>72" To 84" Diameter Pipe Inspection, Planning/Analysis Phase..... Note: CCTV inspection of pipe interior.	14.80	
			<i>For >500 To 1,000, Deduct</i>	-1.48	
			<i>For >1,000 To 5,000, Deduct</i>	-3.70	
			<i>For >5,000, Deduct</i>	-5.18	
33 01 30 11-0017			Video Camera Pre-Rehab For Pipe Interior And Culverts <small>(33 01 30 11-0001)</small>		
33 01 30 11-0018	LF		4" To 6" Diameter Pipe Inspection, Pre-Rehabilitation Phase..... Note: CCTV inspection of pipe interior.	2.63	
			<i>For >500 To 1,000, Deduct</i>	-0.26	
			<i>For >1,000 To 5,000, Deduct</i>	-0.66	
			<i>For >5,000, Deduct</i>	-0.92	
33 01 30 11-0019	LF		>6" To 12" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	3.50	
			<i>For >500 To 1,000, Deduct</i>	-0.35	
			<i>For >1,000 To 5,000, Deduct</i>	-0.88	
			<i>For >5,000, Deduct</i>	-1.23	
33 01 30 11-0020	LF		>12" To 21" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	4.38	
			<i>For >500 To 1,000, Deduct</i>	-0.44	
			<i>For >1,000 To 5,000, Deduct</i>	-1.10	
			<i>For >5,000, Deduct</i>	-1.53	
33 01 30 11-0021	LF		>21" To 30" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	5.84	
			<i>For >500 To 1,000, Deduct</i>	-0.58	
			<i>For >1,000 To 5,000, Deduct</i>	-1.46	
			<i>For >5,000, Deduct</i>	-2.04	
33 01 30 11-0022	LF		>30" To 42" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	8.21	
			<i>For >500 To 1,000, Deduct</i>	-0.82	
			<i>For >1,000 To 5,000, Deduct</i>	-2.05	
			<i>For >5,000, Deduct</i>	-2.87	
33 01 30 11-0023	LF		>42" To 60" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	10.95	
			<i>For >500 To 1,000, Deduct</i>	-1.10	
			<i>For >1,000 To 5,000, Deduct</i>	-2.74	
			<i>For >5,000, Deduct</i>	-3.83	
33 01 30 11-0024	LF		>60" To 72" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	15.46	
			<i>For >500 To 1,000, Deduct</i>	-1.55	
			<i>For >1,000 To 5,000, Deduct</i>	-3.87	
			<i>For >5,000, Deduct</i>	-5.41	
33 01 30 11-0025	LF		>72" To 84" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	21.89	
			<i>For >500 To 1,000, Deduct</i>	-2.19	
			<i>For >1,000 To 5,000, Deduct</i>	-5.47	
			<i>For >5,000, Deduct</i>	-7.66	
33 01 30 11-0026			Video Camera Post-Rehab For Pipe Interior And Culverts <small>(33 01 30 11-0001)</small>		
33 01 30 11-0027	LF		4" To 6" Diameter Pipe Inspection, Post-Rehabilitation Phase..... Note: CCTV inspection of pipe interior.	1.88	
			<i>For >500 To 1,000, Deduct</i>	-0.19	
			<i>For >1,000 To 5,000, Deduct</i>	-0.47	
			<i>For >5,000, Deduct</i>	-0.66	
33 01 30 11-0028	LF		>6" To 12" Diameter Pipe Inspection, Post-Rehabilitation Phase..... Note: CCTV inspection of pipe interior.	2.50	
			<i>For >500 To 1,000, Deduct</i>	-0.25	
			<i>For >1,000 To 5,000, Deduct</i>	-0.63	
			<i>For >5,000, Deduct</i>	-0.88	
33 01 30 11-0029	LF		>12" To 21" Diameter Pipe Inspection, Post-Rehabilitation Phase..... Note: CCTV inspection of pipe interior.	3.13	
			<i>For >500 To 1,000, Deduct</i>	-0.31	
			<i>For >1,000 To 5,000, Deduct</i>	-0.78	
			<i>For >5,000, Deduct</i>	-1.10	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 11-0030 LF >21" To 30" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	4.17	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.42	
For >1,000 To 5,000, Deduct	-1.04	
For >5,000, Deduct	-1.46	
33 01 30 11-0031 LF >30" To 42" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	5.87	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.59	
For >1,000 To 5,000, Deduct	-1.47	
For >5,000, Deduct	-2.05	
33 01 30 11-0032 LF >42" To 60" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	7.82	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.78	
For >1,000 To 5,000, Deduct	-1.96	
For >5,000, Deduct	-2.74	
33 01 30 11-0033 LF >60" To 72" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	11.04	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.10	
For >1,000 To 5,000, Deduct	-2.76	
For >5,000, Deduct	-3.86	
33 01 30 11-0034 LF >72" To 84" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	15.64	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.56	
For >1,000 To 5,000, Deduct	-3.91	
For >5,000, Deduct	-5.47	
33 01 30 23 Pipe Bursting (33 01 30)		
33 01 30 23-0001 Pipe Bursting (33 01 30 23)		
Note: The following section excludes costs for CCTV Inspection, sewer cleaning, pavement both temporary and permanent, emergency after hours response for homeowners backups, bypass pumping, tree removal, service saddles, soil testing, and erosion control. See CSI section 31 13 13 00-0001 for tree removal.		
33 01 30 23-0002 Manhole Chipping (33 01 30 23-0001)		
Note: For use at manholes to open holes for pipe bursting head.		
33 01 30 23-0003 EA 6" To 15" Diameter, Manhole Chipping.....	322.40	
33 01 30 23-0004 EA >15" To 24" Diameter, Manhole Chipping.....	378.50	
33 01 30 23-0005 EA >24" To 36" Diameter, Manhole Chipping.....	473.09	
33 01 30 23-0006 Pipe Bursting (33 01 30 23-0001)		
Note: Includes equipment to burst or upsize existing clay, cast iron, concrete, PVC or ductile iron pipe; pipe bursting royalty fee. Excludes CCTV inspection, PE piping, excavation of pit, backfill, compaction, final grade, seed and sod restoration, recovery of bursting head disabled by obstruction, either undocumented or unrecognizable during CCTV inspection. See CSI section 33 01 30 23-0047 for PE piping.		
33 01 30 23-0007 Pipe Bursting Equipment Set-up (33 01 30 23-0006)		
33 01 30 23-0008 EA Initial Set-up Pipe Bursting Equipment.....	5,521.99	
33 01 30 23-0009 EA Re-Set Up/Move Pipe Bursting Equipment.....	2,760.99	
33 01 30 23-0010 EA Set Up/Move Pipe Bursting Equipment For Laterals.....	1,380.50	
33 01 30 23-0011 Pneumatic Head Pipe Bursting (33 01 30 23-0006)		
33 01 30 23-0012 LF 4" Diameter, Pneumatic Head Pipe Bursting.....	17.89	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	0.97	
For >150 To 200, Add	0.63	
For >100 To 150, Add	1.26	
For >75 To 100, Add	1.88	
For >50 To 75, Add	2.51	
For >25 To 50, Add	3.77	
For Up To 25, Add	5.65	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	1.26	
For Bursting Ductile Iron Pipe, Add	3.14	
33 01 30 23-0013 LF 6" Diameter, Pneumatic Head Pipe Bursting.....	20.91	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.20	
For >150 To 200, Add	0.78	
For >100 To 150, Add	1.56	
For >75 To 100, Add	2.34	
For >50 To 75, Add	3.11	
For >25 To 50, Add	4.67	
For Up To 25, Add	7.01	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	1.56	
For Bursting Ductile Iron Pipe, Add	3.89	
33 01 30 23-0014 LF 8" Diameter, Pneumatic Head Pipe Bursting.....	23.74	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.42	
For >150 To 200, Add	0.92	
For >100 To 150, Add	1.84	
For >75 To 100, Add	2.76	
For >50 To 75, Add	3.68	
For >25 To 50, Add	5.52	
For Up To 25, Add	8.28	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	1.84	
For Bursting Ductile Iron Pipe, Add	4.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0015 LF 10" Diameter, Pneumatic Head Pipe Bursting	27.38	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.70	
For >150 To 200, Add	1.10	
For >100 To 150, Add	2.20	
For >75 To 100, Add	3.31	
For >50 To 75, Add	4.41	
For >25 To 50, Add	6.61	
For Up To 25, Add	9.92	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.20	
For Bursting Ductile Iron Pipe, Add	5.51	
33 01 30 23-0016 LF 12" Diameter, Pneumatic Head Pipe Bursting	31.59	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.02	
For >150 To 200, Add	1.31	
For >100 To 150, Add	2.63	
For >75 To 100, Add	3.94	
For >50 To 75, Add	5.25	
For >25 To 50, Add	7.88	
For Up To 25, Add	11.81	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.63	
For Bursting Ductile Iron Pipe, Add	6.56	
33 01 30 23-0017 LF 15" Diameter, Pneumatic Head Pipe Bursting	34.47	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.09	
For >150 To 200, Add	1.35	
For >100 To 150, Add	2.71	
For >75 To 100, Add	4.06	
For >50 To 75, Add	5.42	
For >25 To 50, Add	8.13	
For Up To 25, Add	12.19	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.71	
For Bursting Ductile Iron Pipe, Add	6.77	
33 01 30 23-0018 LF 18" Diameter, Pneumatic Head Pipe Bursting	38.69	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.41	
For >150 To 200, Add	1.57	
For >100 To 150, Add	3.13	
For >75 To 100, Add	4.70	
For >50 To 75, Add	6.26	
For >25 To 50, Add	9.39	
For Up To 25, Add	14.09	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.13	
For Bursting Ductile Iron Pipe, Add	7.83	
33 01 30 23-0019 LF 21"/22" Diameter, Pneumatic Head Pipe Bursting	48.34	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.87	
For >150 To 200, Add	1.86	
For >100 To 150, Add	3.73	
For >75 To 100, Add	5.59	
For >50 To 75, Add	7.45	
For >25 To 50, Add	11.18	
For Up To 25, Add	16.77	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.73	
For Bursting Ductile Iron Pipe, Add	9.32	
33 01 30 23-0020 LF 24" Diameter, Pneumatic Head Pipe Bursting	60.31	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	3.79	
For >150 To 200, Add	2.46	
For >100 To 150, Add	4.92	
For >75 To 100, Add	7.38	
For >50 To 75, Add	9.85	
For >25 To 50, Add	14.77	
For Up To 25, Add	22.15	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	4.92	
For Bursting Ductile Iron Pipe, Add	12.31	
33 01 30 23-0021 LF 30" Diameter, Pneumatic Head Pipe Bursting	65.83	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	3.93	
For >150 To 200, Add	2.55	
For >100 To 150, Add	5.11	
For >75 To 100, Add	7.66	
For >50 To 75, Add	10.21	
For >25 To 50, Add	15.32	
For Up To 25, Add	22.98	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	5.11	
For Bursting Ductile Iron Pipe, Add	12.77	
33 01 30 23-0022 LF 36" Diameter, Pneumatic Head Pipe Bursting	85.72	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	5.46	
For >150 To 200, Add	3.55	
For >100 To 150, Add	7.10	
For >75 To 100, Add	10.64	
For >50 To 75, Add	14.19	
For >25 To 50, Add	21.29	
For Up To 25, Add	31.93	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	7.10	
For Bursting Ductile Iron Pipe, Add	17.74	

33 01 30 23-0023 Static Head Pipe Bursting (33 01 30 23-0006)

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0024 LF 4" Diameter, Static Head Pipe Bursting	23.99	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.44	
For >150 To 200, Add	0.93	
For >100 To 150, Add	1.87	
For >75 To 100, Add	2.80	
For >50 To 75, Add	3.73	
For >25 To 50, Add	5.60	
For Up To 25, Add	8.39	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	1.87	
For Bursting Ductile Iron Pipe, Add	4.66	
33 01 30 23-0025 LF 6" Diameter, Static Head Pipe Bursting	27.03	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.67	
For >150 To 200, Add	1.08	
For >100 To 150, Add	2.17	
For >75 To 100, Add	3.25	
For >50 To 75, Add	4.34	
For >25 To 50, Add	6.51	
For Up To 25, Add	9.76	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.17	
For Bursting Ductile Iron Pipe, Add	5.42	
33 01 30 23-0026 LF 8" Diameter, Static Head Pipe Bursting	30.54	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.94	
For >150 To 200, Add	1.26	
For >100 To 150, Add	2.52	
For >75 To 100, Add	3.78	
For >50 To 75, Add	5.04	
For >25 To 50, Add	7.56	
For Up To 25, Add	11.34	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.52	
For Bursting Ductile Iron Pipe, Add	6.30	
33 01 30 23-0027 LF 10" Diameter, Static Head Pipe Bursting	35.10	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.29	
For >150 To 200, Add	1.49	
For >100 To 150, Add	2.98	
For >75 To 100, Add	4.46	
For >50 To 75, Add	5.95	
For >25 To 50, Add	8.93	
For Up To 25, Add	13.39	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.98	
For Bursting Ductile Iron Pipe, Add	7.44	
33 01 30 23-0028 LF 12" Diameter, Static Head Pipe Bursting	40.36	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.70	
For >150 To 200, Add	1.75	
For >100 To 150, Add	3.50	
For >75 To 100, Add	5.25	
For >50 To 75, Add	7.00	
For >25 To 50, Add	10.51	
For Up To 25, Add	15.76	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.50	
For Bursting Ductile Iron Pipe, Add	8.76	
33 01 30 23-0029 LF 15" Diameter, Static Head Pipe Bursting	45.67	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.95	
For >150 To 200, Add	1.91	
For >100 To 150, Add	3.83	
For >75 To 100, Add	5.74	
For >50 To 75, Add	7.66	
For >25 To 50, Add	11.49	
For Up To 25, Add	17.23	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.83	
For Bursting Ductile Iron Pipe, Add	9.57	
33 01 30 23-0030 LF 18" Diameter, Static Head Pipe Bursting	50.71	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	3.34	
For >150 To 200, Add	2.17	
For >100 To 150, Add	4.33	
For >75 To 100, Add	6.50	
For >50 To 75, Add	8.67	
For >25 To 50, Add	13.00	
For Up To 25, Add	19.50	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	4.33	
For Bursting Ductile Iron Pipe, Add	10.83	
33 01 30 23-0031 LF 21"/22" Diameter, Static Head Pipe Bursting	62.96	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	3.99	
For >150 To 200, Add	2.59	
For >100 To 150, Add	5.19	
For >75 To 100, Add	7.78	
For >50 To 75, Add	10.38	
For >25 To 50, Add	15.56	
For Up To 25, Add	23.35	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	5.19	
For Bursting Ductile Iron Pipe, Add	12.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0032 LF 24" Diameter, Static Head Pipe Bursting	82.11	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	5.47	
For >150 To 200, Add	3.55	
For >100 To 150, Add	7.10	
For >75 To 100, Add	10.65	
For >50 To 75, Add	14.21	
For >25 To 50, Add	21.31	
For Up To 25, Add	31.96	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	7.10	
For Bursting Ductile Iron Pipe, Add	17.76	
33 01 30 23-0033 LF 30" Diameter, Static Head Pipe Bursting	99.64	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	6.54	
For >150 To 200, Add	4.24	
For >100 To 150, Add	8.49	
For >75 To 100, Add	12.73	
For >50 To 75, Add	16.98	
For >25 To 50, Add	25.46	
For Up To 25, Add	38.20	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	8.49	
For Bursting Ductile Iron Pipe, Add	21.22	
33 01 30 23-0034 LF 36" Diameter, Static Head Pipe Bursting	121.17	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	8.19	
For >150 To 200, Add	5.32	
For >100 To 150, Add	10.64	
For >75 To 100, Add	15.96	
For >50 To 75, Add	21.28	
For >25 To 50, Add	31.92	
For Up To 25, Add	47.88	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	10.64	
For Bursting Ductile Iron Pipe, Add	26.60	
33 01 30 23-0035 Hydraulic Head Pipe Bursting (33 01 30 23-0006)		
33 01 30 23-0036 LF 4" Diameter, Hydraulic Head Pipe Bursting	20.68	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.18	
For >150 To 200, Add	0.77	
For >100 To 150, Add	1.53	
For >75 To 100, Add	2.30	
For >50 To 75, Add	3.07	
For >25 To 50, Add	4.60	
For Up To 25, Add	6.90	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	1.53	
For Bursting Ductile Iron Pipe, Add	3.84	
33 01 30 23-0037 LF 6" Diameter, Hydraulic Head Pipe Bursting	23.36	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.39	
For >150 To 200, Add	0.90	
For >100 To 150, Add	1.80	
For >75 To 100, Add	2.70	
For >50 To 75, Add	3.60	
For >25 To 50, Add	5.41	
For Up To 25, Add	8.11	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	1.80	
For Bursting Ductile Iron Pipe, Add	4.51	
33 01 30 23-0038 LF 8" Diameter, Hydraulic Head Pipe Bursting	26.45	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.63	
For >150 To 200, Add	1.06	
For >100 To 150, Add	2.11	
For >75 To 100, Add	3.17	
For >50 To 75, Add	4.22	
For >25 To 50, Add	6.33	
For Up To 25, Add	9.50	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.11	
For Bursting Ductile Iron Pipe, Add	5.28	
33 01 30 23-0039 LF 10" Diameter, Hydraulic Head Pipe Bursting	30.47	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.94	
For >150 To 200, Add	1.26	
For >100 To 150, Add	2.51	
For >75 To 100, Add	3.77	
For >50 To 75, Add	5.03	
For >25 To 50, Add	7.54	
For Up To 25, Add	11.31	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.51	
For Bursting Ductile Iron Pipe, Add	6.28	
33 01 30 23-0040 LF 12" Diameter, Hydraulic Head Pipe Bursting	35.10	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.29	
For >150 To 200, Add	1.49	
For >100 To 150, Add	2.98	
For >75 To 100, Add	4.46	
For >50 To 75, Add	5.95	
For >25 To 50, Add	8.93	
For Up To 25, Add	13.39	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.98	
For Bursting Ductile Iron Pipe, Add	7.44	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0041 LF 15" Diameter, Hydraulic Head Pipe Bursting	39.54	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.48	
For >150 To 200, Add	1.61	
For >100 To 150, Add	3.22	
For >75 To 100, Add	4.82	
For >50 To 75, Add	6.43	
For >25 To 50, Add	9.65	
For Up To 25, Add	14.47	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.22	
For Bursting Ductile Iron Pipe, Add	8.04	
33 01 30 23-0042 LF 18" Diameter, Hydraulic Head Pipe Bursting	44.49	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.86	
For >150 To 200, Add	1.86	
For >100 To 150, Add	3.71	
For >75 To 100, Add	5.57	
For >50 To 75, Add	7.42	
For >25 To 50, Add	11.13	
For Up To 25, Add	16.70	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.71	
For Bursting Ductile Iron Pipe, Add	9.28	
33 01 30 23-0043 LF 21"/22" Diameter, Hydraulic Head Pipe Bursting	55.53	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	3.42	
For >150 To 200, Add	2.22	
For >100 To 150, Add	4.45	
For >75 To 100, Add	6.67	
For >50 To 75, Add	8.89	
For >25 To 50, Add	13.34	
For Up To 25, Add	20.00	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	4.45	
For Bursting Ductile Iron Pipe, Add	11.11	
33 01 30 23-0044 LF 24" Diameter, Hydraulic Head Pipe Bursting	73.14	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	4.78	
For >150 To 200, Add	3.10	
For >100 To 150, Add	6.21	
For >75 To 100, Add	9.31	
For >50 To 75, Add	12.41	
For >25 To 50, Add	18.62	
For Up To 25, Add	27.93	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	6.21	
For Bursting Ductile Iron Pipe, Add	15.52	
33 01 30 23-0045 LF 30" Diameter, Hydraulic Head Pipe Bursting	89.58	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	5.76	
For >150 To 200, Add	3.74	
For >100 To 150, Add	7.48	
For >75 To 100, Add	11.22	
For >50 To 75, Add	14.96	
For >25 To 50, Add	22.45	
For Up To 25, Add	33.67	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	7.48	
For Bursting Ductile Iron Pipe, Add	18.71	
33 01 30 23-0046 LF 36" Diameter, Hydraulic Head Pipe Bursting	110.06	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	7.34	
For >150 To 200, Add	4.77	
For >100 To 150, Add	9.53	
For >75 To 100, Add	14.30	
For >50 To 75, Add	19.06	
For >25 To 50, Add	28.59	
For Up To 25, Add	42.89	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	9.53	
For Bursting Ductile Iron Pipe, Add	23.83	
33 01 30 23-0047 Pipe Lining (33 01 30 23-0001)		
33 01 30 23-0048 Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining (33 01 30 23-0047)		
Note: Per each joint.		
33 01 30 23-0049 EA 4" To 15", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining	100.48	
33 01 30 23-0050 EA >15" To 24", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining	115.30	
33 01 30 23-0051 EA >24" To 36", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining	137.51	
33 01 30 23-0052 High Density Polyethylene (HDPE) Pipe Lining, DR 17 (33 01 30 23-0047)		
Note: Material only, to be installed behind bursting head. Excludes pipe joint fusion. See CSI section 33 01 30 23-0048 for pipe joint fusion.		
33 01 30 23-0053 LF 4" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	2.97	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-0.31	
For DR 11 Polyethylene Pipe, 160 PSI, Add	0.84	
For White Interior Pipe, Add	0.56	
For Gray Interior Pipe, Add	0.43	
33 01 30 23-0054 LF 5" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	3.89	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-0.47	
For DR 11 Polyethylene Pipe, 160 PSI, Add	1.27	
For White Interior Pipe, Add	0.86	
For Gray Interior Pipe, Add	0.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0055 LF 6" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	5.48	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-0.75	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	2.03	
<i>For White Interior Pipe, Add</i>	1.37	
<i>For Gray Interior Pipe, Add</i>	1.04	
33 01 30 23-0056 LF 7.125" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	6.16	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-0.87	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	2.35	
<i>For White Interior Pipe, Add</i>	1.59	
<i>For Gray Interior Pipe, Add</i>	1.20	
33 01 30 23-0057 LF 8" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	8.42	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-1.27	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	3.44	
<i>For White Interior Pipe, Add</i>	2.32	
<i>For Gray Interior Pipe, Add</i>	1.76	
33 01 30 23-0058 LF 10" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	12.36	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-1.97	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	5.34	
<i>For White Interior Pipe, Add</i>	3.61	
<i>For Gray Interior Pipe, Add</i>	2.73	
33 01 30 23-0059 LF 12" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	16.84	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-2.77	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	7.52	
<i>For White Interior Pipe, Add</i>	5.07	
<i>For Gray Interior Pipe, Add</i>	3.84	
33 01 30 23-0060 LF 13.375" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	18.42	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-3.04	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	8.27	
<i>For White Interior Pipe, Add</i>	5.58	
<i>For Gray Interior Pipe, Add</i>	4.23	
33 01 30 23-0061 LF 14" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	20.10	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-3.34	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	9.07	
<i>For White Interior Pipe, Add</i>	6.12	
<i>For Gray Interior Pipe, Add</i>	4.64	
33 01 30 23-0062 LF 16" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	25.87	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-4.36	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	11.84	
<i>For White Interior Pipe, Add</i>	7.99	
<i>For Gray Interior Pipe, Add</i>	6.05	
33 01 30 23-0063 LF 18" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	32.42	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-5.52	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	14.99	
<i>For White Interior Pipe, Add</i>	10.12	
<i>For Gray Interior Pipe, Add</i>	7.67	
33 01 30 23-0064 LF 20" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	39.73	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-6.81	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	18.50	
<i>For White Interior Pipe, Add</i>	12.49	
<i>For Gray Interior Pipe, Add</i>	9.46	
33 01 30 23-0065 LF 22" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	47.82	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-8.24	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	22.39	
<i>For White Interior Pipe, Add</i>	15.11	
<i>For Gray Interior Pipe, Add</i>	11.45	
33 01 30 23-0066 LF 24" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	56.70	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-9.81	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	26.65	
<i>For White Interior Pipe, Add</i>	17.99	
<i>For Gray Interior Pipe, Add</i>	13.63	
33 01 30 23-0067 LF 26" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	66.32	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-11.51	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	31.26	
<i>For White Interior Pipe, Add</i>	21.09	
<i>For Gray Interior Pipe, Add</i>	15.98	
33 01 30 23-0068 LF 28" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	76.79	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-13.35	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	36.26	
<i>For White Interior Pipe, Add</i>	24.47	
<i>For Gray Interior Pipe, Add</i>	18.54	
33 01 30 23-0069 LF 30" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	88.06	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-15.32	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	41.62	
<i>For White Interior Pipe, Add</i>	28.09	
<i>For Gray Interior Pipe, Add</i>	21.28	
33 01 30 23-0070 LF 32" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	100.13	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-17.43	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	47.35	
<i>For White Interior Pipe, Add</i>	31.95	
<i>For Gray Interior Pipe, Add</i>	24.21	
33 01 30 23-0071 LF 34" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	123.26	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-21.51	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	58.43	
<i>For White Interior Pipe, Add</i>	39.43	
<i>For Gray Interior Pipe, Add</i>	29.87	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0072 LF 36" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	126.96	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-22.06	
For DR 11 Polyethylene Pipe, 160 PSI, Add	59.93	
For White Interior Pipe, Add	40.44	
For Gray Interior Pipe, Add	30.64	
33 01 30 23-0073 Re-Connection Of Non-Renewed Laterals <small>(33 01 30 23-0001)</small>		
33 01 30 23-0074 Re-Connection Of Non-Renewed Laterals; Insert-A-Tee <small>(33 01 30 23-0073)</small>		
Note: Includes cutting hole in pipe and excavation vacuum truck for exterior pipe lateral reconnection. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling, and back-fill material. See CSI section 01 74 19 00-0036 for hauling, 31 05 16 00-0001 for back-fill material.		
33 01 30 23-0075 EA Re-Connection Of Non-Renewed Lateral, 6 To 8" Main With 4" Inserta-Tee.....	932.08	
For No Excavation, Deduct	-614.16	
33 01 30 23-0076 EA Re-Connection Of Non-Renewed Lateral, 8" Main With 6" Inserta-Tee.....	1,046.73	
For No Excavation, Deduct	-690.93	
33 01 30 23-0077 EA Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 4" Inserta-Tee	1,104.88	
For No Excavation, Deduct	-729.32	
33 01 30 23-0078 EA Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 6" Inserta-Tee	1,163.03	
For No Excavation, Deduct	-767.70	
33 01 30 23-0079 EA Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 8" Inserta-Tee	1,252.68	
For No Excavation, Deduct	-806.08	
33 01 30 23-0080 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 4" Inserta-Tee	1,174.64	
For No Excavation, Deduct	-767.70	
33 01 30 23-0081 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 6" Inserta-Tee	1,234.44	
For No Excavation, Deduct	-806.08	
33 01 30 23-0082 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 8" Inserta-Tee	1,317.47	
For No Excavation, Deduct	-844.47	
33 01 30 23-0083 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 10" Inserta-Tee	1,513.23	
For No Excavation, Deduct	-882.85	
33 01 30 23-0084 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 12" Inserta-Tee	1,591.28	
For No Excavation, Deduct	-921.24	
33 01 30 23-0085 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 15" Inserta-Tee	1,888.19	
For No Excavation, Deduct	-959.62	
33 01 30 23-0086 Re-Connection Of Non-Renewed Laterals; Saddle Style <small>(33 01 30 23-0073)</small>		
Note: Includes excavation vacuum truck for exterior pipe lateral reconnection, fusion to high density polyethylene (HDPE) pipe for lateral. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling and back-fill material. See CSI section 01 74 19 00-0036 for hauling, 31 05 16 00-0001 for back-fill material.		
33 01 30 23-0087 EA Re-Connection Of Non-Renewed Lateral, 6" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	2,252.35	
For No Excavation, Deduct	-685.45	
For Strap-On Saddle Type Instead Of Fusion Weld	-141.96	
33 01 30 23-0088 EA Re-Connection Of Non-Renewed Lateral, 8" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	2,508.38	
For No Excavation, Deduct	-712.87	
For Strap-On Saddle Type Instead Of Fusion Weld	-122.75	
33 01 30 23-0089 EA Re-Connection Of Non-Renewed Lateral, 10" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	3,621.86	
For No Excavation, Deduct	-740.28	
For Strap-On Saddle Type Instead Of Fusion Weld	25.08	
33 01 30 23-0090 EA Re-Connection Of Non-Renewed Lateral, 12" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	3,786.36	
For No Excavation, Deduct	-822.53	
For Strap-On Saddle Type Instead Of Fusion Weld	-7.82	
33 01 30 23-0091 EA Re-Connection Of Non-Renewed Lateral, 14" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	6,986.93	
For No Excavation, Deduct	-877.37	
For Strap-On Saddle Type Instead Of Fusion Weld	433.88	
33 01 30 23-0092 EA Re-Connection Of Non-Renewed Lateral, 16" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	7,560.20	
For No Excavation, Deduct	-973.33	
For Strap-On Saddle Type Instead Of Fusion Weld	452.70	
33 01 30 23-0093 EA Re-Connection Of Non-Renewed Lateral, 18" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	10,290.38	
For No Excavation, Deduct	-1,069.29	
For Strap-On Saddle Type Instead Of Fusion Weld	795.05	
33 01 30 23-0094 EA Re-Connection Of Non-Renewed Lateral, 20" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	9,705.50	
For No Excavation, Deduct	-1,206.39	
For Strap-On Saddle Type Instead Of Fusion Weld	611.36	
33 01 30 23-0095 EA Re-Connection Of Non-Renewed Lateral, 24" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	11,809.91	
For No Excavation, Deduct	-1,425.73	
For Strap-On Saddle Type Instead Of Fusion Weld	773.48	
33 01 30 41 Cleaning of Sewers <small>(33 01 30)</small>		
33 01 30 41-0001 Pipe Line Cleaning And Flushing <small>(33 01 30 41)</small>		
Note: Includes flushing. Owner provided water.		
33 01 30 41-0002 Pipe Line Cleaning <small>(33 01 30 41-0001)</small>		
Note: Includes removal of all debris/waste. Excludes disposal.		
33 01 30 41-0003 Hydro Jet Set-up And Reinsertion <small>(33 01 30 41-0002)</small>		
33 01 30 41-0004 EA Initial Set Up And Final Equipment Removal For Jet Cleaning.....	2,180.40	
33 01 30 41-0005 EA Move And Reset Up At Different Access/Location For Jet Cleaning.....	545.10	
33 01 30 41-0006 Hydro Jet Cleaning Of Sewer And Water Pipelines <small>(33 01 30 41-0002)</small>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 01 30 41-0007	LF		Up To 4" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	2.93	
				For >250 To 500, Deduct	-0.15	
				For >500 To 1,000, Deduct	-0.29	
				For >1,000 To 2,000, Deduct	-0.44	
				For >2,000 To 5,000, Deduct	-0.59	
				For >5,000, Deduct	-0.73	
				For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	2.20	
	33 01 30 41-0008	LF		6" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	3.37	
				For >250 To 500, Deduct	-0.17	
				For >500 To 1,000, Deduct	-0.34	
				For >1,000 To 2,000, Deduct	-0.51	
				For >2,000 To 5,000, Deduct	-0.67	
				For >5,000, Deduct	-0.84	
				For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	2.53	
	33 01 30 41-0009	LF		8" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	3.95	
				For >250 To 500, Deduct	-0.20	
				For >500 To 1,000, Deduct	-0.40	
				For >1,000 To 2,000, Deduct	-0.59	
				For >2,000 To 5,000, Deduct	-0.79	
				For >5,000, Deduct	-0.99	
				For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	2.96	
	33 01 30 41-0010	LF		10" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	4.89	
				For >250 To 500, Deduct	-0.24	
				For >500 To 1,000, Deduct	-0.49	
				For >1,000 To 2,000, Deduct	-0.73	
				For >2,000 To 5,000, Deduct	-0.98	
				For >5,000, Deduct	-1.22	
				For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	3.67	
	33 01 30 41-0011	LF		12" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	5.54	
				For >250 To 500, Deduct	-0.28	
				For >500 To 1,000, Deduct	-0.55	
				For >1,000 To 2,000, Deduct	-0.83	
				For >2,000 To 5,000, Deduct	-1.11	
				For >5,000, Deduct	-1.39	
				For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	4.16	
	33 01 30 41-0012	LF		>12" To 16" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	6.39	
				For >250 To 500, Deduct	-0.32	
				For >500 To 1,000, Deduct	-0.64	
				For >1,000 To 2,000, Deduct	-0.96	
				For >2,000 To 5,000, Deduct	-1.28	
				For >5,000, Deduct	-1.60	
				For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	4.79	
	33 01 30 41-0013	LF		>16" To 24" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	7.69	
				For >250 To 500, Deduct	-0.38	
				For >500 To 1,000, Deduct	-0.77	
				For >1,000 To 2,000, Deduct	-1.15	
				For >2,000 To 5,000, Deduct	-1.54	
				For >5,000, Deduct	-1.92	
				For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	5.77	
	33 01 30 41-0014	LF		>24" To 30" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	8.73	
				For >250 To 500, Deduct	-0.44	
				For >500 To 1,000, Deduct	-0.87	
				For >1,000 To 2,000, Deduct	-1.31	
				For >2,000 To 5,000, Deduct	-1.75	
				For >5,000, Deduct	-2.18	
				For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	6.55	
	33 01 30 41-0015	LF		>30" To 42" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	10.32	
				For >250 To 500, Deduct	-0.52	
				For >500 To 1,000, Deduct	-1.03	
				For >1,000 To 2,000, Deduct	-1.55	
				For >2,000 To 5,000, Deduct	-2.06	
				For >5,000, Deduct	-2.58	
				For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	7.74	
	33 01 30 41-0016	LF		>42" To 60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	12.98	
				For >250 To 500, Deduct	-0.65	
				For >500 To 1,000, Deduct	-1.30	
				For >1,000 To 2,000, Deduct	-1.95	
				For >2,000 To 5,000, Deduct	-2.60	
				For >5,000, Deduct	-3.25	
				For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	9.74	
	33 01 30 41-0017	LF		>60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	15.14	
				For >250 To 500, Deduct	-0.76	
				For >500 To 1,000, Deduct	-1.51	
				For >1,000 To 2,000, Deduct	-2.27	
				For >2,000 To 5,000, Deduct	-3.03	
				For >5,000, Deduct	-3.79	
				For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	11.36	
	33 01 30 41-0018			Flushing Of Storm Water Pipelines (33 01 30 41-0002)		
				Note: To remove silt and small debris from storm drainage pipes. Excludes disposal.		
	33 01 30 41-0019	LF		12" To 16" Diameter Pipe Line Flushing.....	1.13	
				For >250 To 500, Deduct	-0.06	
				For >500 To 1,000, Deduct	-0.11	
				For >1,000 To 2,000, Deduct	-0.17	
				For >2,000 To 5,000, Deduct	-0.23	
				For >5,000, Deduct	-0.28	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0020 LF >16" To 24" Diameter Pipe Line Flushing	1.29	
For >250 To 500, Deduct	-0.06	
For >500 To 1,000, Deduct	-0.13	
For >1,000 To 2,000, Deduct	-0.19	
For >2,000 To 5,000, Deduct	-0.26	
For >5,000, Deduct	-0.32	
33 01 30 41-0021 LF >24" To 30" Diameter Pipe Line Flushing	1.52	
For >250 To 500, Deduct	-0.08	
For >500 To 1,000, Deduct	-0.15	
For >1,000 To 2,000, Deduct	-0.23	
For >2,000 To 5,000, Deduct	-0.30	
For >5,000, Deduct	-0.38	
33 01 30 41-0022 LF >30" To 42" Diameter Pipe Line Flushing	1.76	
For >250 To 500, Deduct	-0.09	
For >500 To 1,000, Deduct	-0.18	
For >1,000 To 2,000, Deduct	-0.26	
For >2,000 To 5,000, Deduct	-0.35	
For >5,000, Deduct	-0.44	
33 01 30 41-0023 LF >42" To 60" Diameter Pipe Line Flushing	2.34	
For >250 To 500, Deduct	-0.12	
For >500 To 1,000, Deduct	-0.23	
For >1,000 To 2,000, Deduct	-0.35	
For >2,000 To 5,000, Deduct	-0.47	
For >5,000, Deduct	-0.59	
33 01 30 41-0024 Hydro Jet Cleaning Of Culverts (33 01 30 41-0002)		
33 01 30 41-0025 LF Jet Cleaning Of Culvert, 0-250 LF.....	13.56	
For >250 To 500, Deduct	-0.68	
For >500 To 1,000, Deduct	-1.36	
For >1,000 To 2,000, Deduct	-2.03	
For >2,000 To 5,000, Deduct	-2.71	
For >5,000, Deduct	-3.39	
33 01 30 41-0026 Pipe Line Cleaning, Mechanical Method (33 01 30 41-0001)		
Note: Power winching buckets, scrapers, scooters, porcupines, brushes and other debris removing equipment. Includes removal of all debris/waste. Excludes disposal.		
33 01 30 41-0027 EA Initial Set Up And Final Equipment Removal For Mechanical Cleaning.....	965.95	
33 01 30 41-0028 EA Move And Reset Up At Different Access/Location.....	321.98	
33 01 30 41-0029 LF Up To 4" Diameter Pipe Line Cleaning, Mechanical Method	5.53	
For >250 To 500, Deduct	-0.27	
For >500 To 1,000, Deduct	-0.54	
For >1,000 To 2,000, Deduct	-0.80	
For >2,000 To 5,000, Deduct	-1.07	
For >5,000, Deduct	-1.34	
33 01 30 41-0030 LF 6" Diameter Pipe Line Cleaning, Mechanical Method.....	7.23	
For >250 To 500, Deduct	-0.35	
For >500 To 1,000, Deduct	-0.69	
For >1,000 To 2,000, Deduct	-1.04	
For >2,000 To 5,000, Deduct	-1.38	
For >5,000, Deduct	-1.73	
33 01 30 41-0031 LF 8" Diameter Pipe Line Cleaning, Mechanical Method.....	8.46	
For >250 To 500, Deduct	-0.40	
For >500 To 1,000, Deduct	-0.81	
For >1,000 To 2,000, Deduct	-1.21	
For >2,000 To 5,000, Deduct	-1.61	
For >5,000, Deduct	-2.01	
33 01 30 41-0032 LF 10" Diameter Pipe Line Cleaning, Mechanical Method.....	9.78	
For >250 To 500, Deduct	-0.46	
For >500 To 1,000, Deduct	-0.93	
For >1,000 To 2,000, Deduct	-1.39	
For >2,000 To 5,000, Deduct	-1.86	
For >5,000, Deduct	-2.32	
33 01 30 41-0033 LF 12" Diameter Pipe Line Cleaning, Mechanical Method.....	10.64	
For >250 To 500, Deduct	-0.50	
For >500 To 1,000, Deduct	-1.01	
For >1,000 To 2,000, Deduct	-1.51	
For >2,000 To 5,000, Deduct	-2.01	
For >5,000, Deduct	-2.52	
33 01 30 41-0034 LF >12" To 16" Diameter Pipe Line Cleaning, Mechanical Method.....	12.25	
For >250 To 500, Deduct	-0.58	
For >500 To 1,000, Deduct	-1.15	
For >1,000 To 2,000, Deduct	-1.73	
For >2,000 To 5,000, Deduct	-2.30	
For >5,000, Deduct	-2.88	
33 01 30 41-0035 LF >16" To 24" Diameter Pipe Line Cleaning, Mechanical Method.....	15.36	
For >250 To 500, Deduct	-0.71	
For >500 To 1,000, Deduct	-1.42	
For >1,000 To 2,000, Deduct	-2.13	
For >2,000 To 5,000, Deduct	-2.84	
For >5,000, Deduct	-3.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0036 LF >24" To 30" Diameter Pipe Line Cleaning, Mechanical Method	17.49	
<i>For >250 To 500, Deduct</i>	-0.79	
<i>For >500 To 1,000, Deduct</i>	-1.58	
<i>For >1,000 To 2,000, Deduct</i>	-2.37	
<i>For >2,000 To 5,000, Deduct</i>	-3.17	
<i>For >5,000, Deduct</i>	-3.96	
33 01 30 41-0037 LF >30" To 42" Diameter Pipe Line Cleaning, Mechanical Method	20.30	
<i>For >250 To 500, Deduct</i>	-0.91	
<i>For >500 To 1,000, Deduct</i>	-1.82	
<i>For >1,000 To 2,000, Deduct</i>	-2.73	
<i>For >2,000 To 5,000, Deduct</i>	-3.65	
<i>For >5,000, Deduct</i>	-4.56	
33 01 30 41-0038 LF >42 To 60" Diameter Pipe Line Cleaning, Mechanical Method.....	26.64	
<i>For >250 To 500, Deduct</i>	-1.21	
<i>For >500 To 1,000, Deduct</i>	-2.42	
<i>For >1,000 To 2,000, Deduct</i>	-3.62	
<i>For >2,000 To 5,000, Deduct</i>	-4.83	
<i>For >5,000, Deduct</i>	-6.04	
33 01 30 41-0039 LF >60" Diameter Pipe Line Cleaning, Mechanical Method.....	30.15	
<i>For >250 To 500, Deduct</i>	-1.34	
<i>For >500 To 1,000, Deduct</i>	-2.68	
<i>For >1,000 To 2,000, Deduct</i>	-4.02	
<i>For >2,000 To 5,000, Deduct</i>	-5.37	
<i>For >5,000, Deduct</i>	-6.71	
33 01 30 41-0040 Pipe Line Auguring/Rod Out Pipe (33 01 30 41-0001)		
33 01 30 41-0041 EA Initial Set Up And Final Equipment Removal For Auguring	965.95	
33 01 30 41-0042 EA Move And Reset Up At Different Location	321.98	
33 01 30 41-0043 LF Up To 4" Diameter Pipe Line Auguring/Rod Out.....	3.22	
<i>For >250 To 500, Deduct</i>	-0.16	
<i>For >500 To 1,000, Deduct</i>	-0.32	
<i>For >1,000 To 2,000, Deduct</i>	-0.48	
<i>For >2,000 To 5,000, Deduct</i>	-0.64	
<i>For >5,000, Deduct</i>	-0.81	
33 01 30 41-0044 LF 6" Diameter Pipe Line Auguring/Rod Out	4.16	
<i>For >250 To 500, Deduct</i>	-0.21	
<i>For >500 To 1,000, Deduct</i>	-0.42	
<i>For >1,000 To 2,000, Deduct</i>	-0.62	
<i>For >2,000 To 5,000, Deduct</i>	-0.83	
<i>For >5,000, Deduct</i>	-1.04	
33 01 30 41-0045 LF 8" Diameter Pipe Line Auguring/Rod Out	4.83	
<i>For >250 To 500, Deduct</i>	-0.24	
<i>For >500 To 1,000, Deduct</i>	-0.48	
<i>For >1,000 To 2,000, Deduct</i>	-0.72	
<i>For >2,000 To 5,000, Deduct</i>	-0.97	
<i>For >5,000, Deduct</i>	-1.21	
33 01 30 41-0046 LF 10" Diameter Pipe Line Auguring/Rod Out	5.62	
<i>For >250 To 500, Deduct</i>	-0.28	
<i>For >500 To 1,000, Deduct</i>	-0.56	
<i>For >1,000 To 2,000, Deduct</i>	-0.84	
<i>For >2,000 To 5,000, Deduct</i>	-1.12	
<i>For >5,000, Deduct</i>	-1.41	
33 01 30 41-0047 LF 12" Diameter Pipe Line Auguring/Rod Out	6.03	
<i>For >250 To 500, Deduct</i>	-0.30	
<i>For >500 To 1,000, Deduct</i>	-0.60	
<i>For >1,000 To 2,000, Deduct</i>	-0.90	
<i>For >2,000 To 5,000, Deduct</i>	-1.21	
<i>For >5,000, Deduct</i>	-1.51	
33 01 30 41-0048 LF >12" To 16" Diameter Pipe Line Auguring/Rod Out.....	6.90	
<i>For >250 To 500, Deduct</i>	-0.35	
<i>For >500 To 1,000, Deduct</i>	-0.69	
<i>For >1,000 To 2,000, Deduct</i>	-1.04	
<i>For >2,000 To 5,000, Deduct</i>	-1.38	
<i>For >5,000, Deduct</i>	-1.73	
33 01 30 41-0049 LF >16" To 24" Diameter Pipe Line Auguring/Rod Out.....	8.47	
<i>For >250 To 500, Deduct</i>	-0.42	
<i>For >500 To 1,000, Deduct</i>	-0.85	
<i>For >1,000 To 2,000, Deduct</i>	-1.27	
<i>For >2,000 To 5,000, Deduct</i>	-1.69	
<i>For >5,000, Deduct</i>	-2.12	
33 01 30 41-0050 LF >24" To 30" Diameter Pipe Line Auguring/Rod Out.....	9.47	
<i>For >250 To 500, Deduct</i>	-0.47	
<i>For >500 To 1,000, Deduct</i>	-0.95	
<i>For >1,000 To 2,000, Deduct</i>	-1.42	
<i>For >2,000 To 5,000, Deduct</i>	-1.89	
<i>For >5,000, Deduct</i>	-2.37	
33 01 30 41-0051 LF >30" To 42" Diameter Pipe Line Auguring/Rod Out.....	10.98	
<i>For >250 To 500, Deduct</i>	-0.55	
<i>For >500 To 1,000, Deduct</i>	-1.10	
<i>For >1,000 To 2,000, Deduct</i>	-1.65	
<i>For >2,000 To 5,000, Deduct</i>	-2.20	
<i>For >5,000, Deduct</i>	-2.75	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0052 LF >42 To 60" Diameter Pipe Line Auguring/Rod Out	15.10	
For >250 To 500, Deduct	-0.76	
For >500 To 1,000, Deduct	-1.51	
For >1,000 To 2,000, Deduct	-2.27	
For >2,000 To 5,000, Deduct	-3.02	
For >5,000, Deduct	-3.78	
33 01 30 41-0053 LF >60" Diameter Pipe Line Auguring/Rod Out	16.09	
For >250 To 500, Deduct	-0.80	
For >500 To 1,000, Deduct	-1.61	
For >1,000 To 2,000, Deduct	-2.41	
For >2,000 To 5,000, Deduct	-3.22	
For >5,000, Deduct	-4.02	
33 01 30 42 Cleaning of Manholes (33 01 30)		
33 01 30 42-0001 Structure Cleaning And Flushing (33 01 30 42)		
Note: Includes flushing. Owner provided water.		
33 01 30 42-0002 Rod Out Structures And Other Hand Operations (33 01 30 42-0001)		
33 01 30 42-0003 EA Rod Out Sewer Catch Basin	84.26	
33 01 30 42-0004 EA Clean Out Debris From Entrance To Inlet Structure	210.65	
33 01 30 42-0005 EA 3' To 4' Diameter, Clean Out Blocked Manhole By Hand.....	701.29	
For >10 To 100, Deduct	-105.19	
For >100 To 250, Deduct	-157.79	
For >250, Deduct	-210.39	
33 01 30 42-0006 EA 5' To 6' Diameter, Clean Out Blocked Manhole By Hand.....	841.55	
For >10 To 100, Deduct	-126.23	
For >100 To 250, Deduct	-189.35	
For >250, Deduct	-252.47	
33 01 30 42-0007 EA Clean Out Blocked Catch Basin By Hand.....	420.78	
For >10 To 100, Deduct	-63.12	
For >100 To 250, Deduct	-94.68	
For >250, Deduct	-126.23	
33 01 30 42-0008 EA Up To 6" Diameter Pipe, Rod Out Blockage	16.86	
33 01 30 42-0009 EA 8" Diameter Pipe, Rod Out Blockage.....	18.54	
33 01 30 42-0010 EA 10" Diameter Pipe, Rod Out Blockage.....	21.07	
33 01 30 42-0011 EA 12" Diameter Pipe, Rod Out Blockage.....	24.44	
33 01 30 42-0012 EA >12" To 16" Diameter Pipe, Rod Out Blockage	28.65	
33 01 30 42-0013 EA >16" To 24" Diameter Pipe, Rod Out Blockage	33.70	
33 01 30 42-0014 EA >24" To 30" Diameter Pipe, Rod Out Blockage	39.60	
33 01 30 42-0015 EA >30" To 42" Diameter Pipe, Rod Out Blockage	45.50	
33 01 30 42-0016 EA >42" To 60" Diameter Pipe, Rod Out Blockage	53.08	
33 01 30 42-0017 EA >60" Diameter Pipe, Rod Out Blockage.....	63.19	
33 01 30 42-0018 Cleaning Manholes And Drainage Structures (33 01 30 42-0001)		
Note: Includes removal of debris. Excludes disposal.		
33 01 30 42-0019 VLF Waterblast Cleaning For 3' To 4' Diameter Manhole.....	90.85	
33 01 30 42-0020 VLF Waterblast Cleaning For 5' To 6' Diameter Manhole.....	113.57	
33 01 30 42-0021 EA Vacuum Out 1 To 2 Catch Basins Or Manholes	1,183.23	
Note: Includes vacuum pump equipment.		
33 01 30 42-0022 EA Vacuum Out 3 To 10 Catch Basins Or Manholes	887.42	
Note: Includes vacuum pump equipment.		
33 01 30 42-0023 EA Vacuum Out 11 To 25 Catch Basins Or Manholes	591.62	
Note: Includes vacuum pump equipment.		
33 01 30 42-0024 EA Vacuum Out 26 To 100 Catch Basins Or Manholes	517.67	
Note: Includes vacuum pump equipment.		
33 01 30 42-0025 EA Vacuum Out 101 To 250 Catch Basins Or Manholes	480.69	
Note: Includes vacuum pump equipment.		
33 01 30 42-0026 EA Vacuum Out >250 Catch Basins Or Manholes	443.71	
Note: Includes vacuum pump equipment.		
33 01 30 43 Removal of Protruding Service Connection (33 01 30)		
33 01 30 43-0001 Trim Protruding Service Taps (33 01 30 43)		
33 01 30 43-0002 EA Trim Protruding Service Tap, 4", Robotic.....	566.68	
33 01 30 43-0003 EA Trim Protruding Service Tap, 6", Robotic.....	623.35	
33 01 30 43-0004 EA Trim Protruding Service Tap, 8", Robotic.....	680.02	
33 01 30 51 Maintenance Of Utilities (33 01 30)		
33 01 30 51-0001 Pipe Repair (33 01 30 51)		
33 01 30 51-0002 Pipe Repair Clamp, Full Circle, Single Band (33 01 30 51-0001)		
Note: Repair clamps for asbestos cement pipe, cast iron soil pipe, non-reinforced concrete pipe, PVC pipe, vitrified clay pipe, gray iron pipe and ductile iron pipe.		
33 01 30 51-0003 EA 2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	117.18	
For Stainless Steel Nuts And Bolts, Add	19.70	
33 01 30 51-0004 EA 2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	167.29	
For Stainless Steel Nuts And Bolts, Add	29.69	
33 01 30 51-0005 EA 2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	193.59	
For Stainless Steel Nuts And Bolts, Add	34.96	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0006	EA		2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	220.73 40.22	
33 01 30 51-0007	EA		2-1/2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	126.45 21.39	
33 01 30 51-0008	EA		2-1/2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	177.87 31.68	
33 01 30 51-0009	EA		2-1/2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	204.10 36.83	
33 01 30 51-0010	EA		2-1/2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	236.11 43.10	
33 01 30 51-0011	EA		3" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	136.16 23.40	
33 01 30 51-0012	EA		3" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	185.10 33.12	
33 01 30 51-0013	EA		3" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	214.23 38.83	
33 01 30 51-0014	EA		3" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	250.15 46.10	
33 01 30 51-0015	EA		4" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	153.51 26.61	
33 01 30 51-0016	EA		4" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	203.06 35.82	
33 01 30 51-0017	EA		4" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	246.33 43.61	
33 01 30 51-0018	EA		4" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	296.79 52.60	
33 01 30 51-0019	EA		4" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	388.88 70.65	
33 01 30 51-0020	EA		4" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	484.18 88.70	
33 01 30 51-0021	EA		4" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	590.94 108.81	
33 01 30 51-0022	EA		6" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	180.51 31.40	
33 01 30 51-0023	EA		6" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	240.18 42.60	
33 01 30 51-0024	EA		6" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	284.36 50.23	
33 01 30 51-0025	EA		6" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	332.94 58.37	
33 01 30 51-0026	EA		6" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	462.73 84.58	
33 01 30 51-0027	EA		6" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	562.78 103.14	
33 01 30 51-0028	EA		6" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	672.20 123.25	
33 01 30 51-0029	EA		8" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	233.70 37.57	
33 01 30 51-0030	EA		8" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	304.09 49.71	
33 01 30 51-0031	EA		8" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	367.11 60.16	
33 01 30 51-0032	EA		8" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	438.33 71.68	
33 01 30 51-0033	EA		8" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	583.94 99.31	
33 01 30 51-0034	EA		8" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	698.40 118.75	
33 01 30 51-0035	EA		8" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	826.72 139.77	
33 01 30 51-0036	EA		10" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	274.45 45.73	
33 01 30 51-0037	EA		10" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	369.53 63.25	
33 01 30 51-0038	EA		10" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	434.98 73.95	
33 01 30 51-0039	EA		10" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	534.01 91.46	
33 01 30 51-0040	EA		10" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	702.99 124.06	
33 01 30 51-0041	EA		10" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	799.01 138.66	
33 01 30 51-0042	EA		10" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,030.20 182.93	
33 01 30 51-0043	EA		12" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	312.20 51.58	
33 01 30 51-0044	EA		12" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	408.18 68.59	
33 01 30 51-0045	EA		12" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	492.81 83.00	
33 01 30 51-0046	EA		12" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	606.76 103.14	
33 01 30 51-0047	EA		12" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	782.29 136.23	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0048	EA		12" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	919.50 159.09	
33 01 30 51-0049	EA		12" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,170.39 206.28	
33 01 30 51-0050			Pipe Repair Clamp, Full Circle, Double Bands <small>(33 01 30 51-0001)</small> Note: Repair clamps for reinforced concrete pipe, gray iron pipe and ductile iron pipe.		
33 01 30 51-0051	EA		14.38"-15.13" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	703.25 198.43	
33 01 30 51-0052	EA		14.38"-15.13" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	998.49 286.46	
33 01 30 51-0053	EA		14.38"-15.13" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,345.34 388.48	
33 01 30 51-0054	EA		14.38"-15.13" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,985.55 585.52	
33 01 30 51-0055	EA		15.07"-15.82" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	738.12 208.20	
33 01 30 51-0056	EA		15.07"-15.82" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,045.19 299.74	
33 01 30 51-0057	EA		15.07"-15.82" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,404.75 405.25	
33 01 30 51-0058	EA		15.07"-15.82" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	2,081.34 613.46	
33 01 30 51-0059	EA		15.92"-16.67" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	756.64 212.40	
33 01 30 51-0060	EA		15.92"-16.67" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,069.57 305.34	
33 01 30 51-0061	EA		15.92"-16.67" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,441.16 414.33	
33 01 30 51-0062	EA		15.92"-16.67" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	2,133.56 626.73	
33 01 30 51-0063	EA		16.56"-17.31" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	776.01 216.59	
33 01 30 51-0064	EA		16.56"-17.31" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,097.31 311.63	
33 01 30 51-0065	EA		16.56"-17.31" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,476.07 422.01	
33 01 30 51-0066	EA		16.56"-17.31" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	2,185.52 639.31	
33 01 30 51-0067	EA		17.15"-17.90" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	793.34 220.09	
33 01 30 51-0068	EA		17.15"-17.90" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,120.90 316.51	
33 01 30 51-0069	EA		17.15"-17.90" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,510.98 429.70	
33 01 30 51-0070	EA		17.15"-17.90" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	2,232.20 649.79	
33 01 30 51-0071	EA		17.82"-18.57" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	809.78 223.59	
33 01 30 51-0072	EA		17.82"-18.57" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,145.26 322.10	
33 01 30 51-0073	EA		17.82"-18.57" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,542.09 436.69	
33 01 30 51-0074	EA		17.82"-18.57" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	2,261.65 655.03	
33 01 30 51-0075	EA		18.46"-19.21" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	828.74 227.94	



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0076	EA	18.46"-19.21" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,174.16 329.09	
33 01 30 51-0077	EA	18.46"-19.21" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,575.23 444.37	
33 01 30 51-0078	EA	18.46"-19.21" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	2,329.34 673.55	
33 01 30 51-0079		Repair Couplings and Fittings (33 01 30 51-0001)		
33 01 30 51-0080		Couplings And Fittings For Copper Pipe, Compression (33 01 30 51-0079) Note: Includes gaskets. Dresser style 88.		
33 01 30 51-0081		Copper Compression Repair Couplings (33 01 30 51-0080)		
33 01 30 51-0082	EA	1/2" Copper Compression Repair Coupling	71.23	
33 01 30 51-0083	EA	3/4" Copper Compression Repair Coupling	82.79	
33 01 30 51-0084	EA	1" Copper Compression Repair Coupling	97.35	
33 01 30 51-0085	EA	1-1/4" Copper Compression Repair Coupling	109.45	
33 01 30 51-0086	EA	1-1/2" Copper Compression Repair Coupling	170.25	
33 01 30 51-0087		Copper Compression Repair Fitting, 90 Degree Elbows (33 01 30 51-0080)		
33 01 30 51-0088	EA	1/2" Copper Compression Repair 90 Degree Elbow	86.08	
33 01 30 51-0089	EA	1" Copper Compression Repair 90 Degree Elbow	99.48	
33 01 30 51-0090	EA	1-1/2" Copper Compression Repair 90 Degree Elbow	204.00	
33 01 30 51-0091	EA	1" IPS x 1" CTS 90 Degree Plain End Street Elbow	79.60	
33 01 30 51-0092	EA	3/4" IPS x 3/4" CTS 90 Degree Threaded End Street Elbow	71.67	
33 01 30 51-0093	EA	1" IPS x 1" CTS 90 Degree Threaded End Street Elbow	83.90	
33 01 30 51-0094	EA	1-1/4" IPS x 1" CTS 90 Degree Threaded End Street Elbow	104.09	
33 01 30 51-0095		Copper Compression Repair Fitting, Tees (33 01 30 51-0080)		
33 01 30 51-0096	EA	1/2" Copper Compression Repair Tee	158.71	
33 01 30 51-0097	EA	3/4" Copper Compression Repair Tee	121.53	
33 01 30 51-0098	EA	1" Copper Compression Repair Tee	144.47	
33 01 30 51-0099	EA	1" F x 1" M x 1" CTS Street Tee	118.15	
33 01 30 51-0100		Copper Compression Repair Fitting, Male Adapters (33 01 30 51-0080)		
33 01 30 51-0101	EA	3/4" M x 1/2" CTS Male Adapter	74.63	
33 01 30 51-0102	EA	3/4" M x 3/4" CTS Male Adapter	59.50	
33 01 30 51-0103	EA	1" M x 1" CTS Male Adapter	67.53	
33 01 30 51-0104	EA	1-1/4" M x 1" CTS Male Adapter	81.78	
33 01 30 51-0105	EA	1-1/4" M x 1-1/4" CTS Male Adapter	98.48	
33 01 30 51-0106	EA	1-1/2" M x 1" CTS Male Adapter	107.24	
33 01 30 51-0107		Copper Compression Repair Fitting, Female Adapters (33 01 30 51-0080)		
33 01 30 51-0108	EA	3/4" M x 3/4" CTS Female Adapter	87.70	
33 01 30 51-0109	EA	1" M x 1" CTS Female Adapter	92.53	
33 01 30 51-0110		Couplings And Fittings For Steel Pipe, Cast Body, Compression (33 01 30 51-0079) Note: Includes gaskets. Dresser style 90.		
33 01 30 51-0111		Couplings For Steel Pipe, Cast Body (Compression) (33 01 30 51-0110) Note: Includes gaskets.		
33 01 30 51-0112	EA	1/2" Coupling, Cast Body (Compression), 5" Middle Ring	47.89	
33 01 30 51-0113	EA	3/4" Coupling, Cast Body (Compression), 5" Middle Ring	49.13	
33 01 30 51-0114	EA	1" Coupling, Cast Body (Compression), 5" Middle Ring	55.49	
33 01 30 51-0115	EA	1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring	61.91	
33 01 30 51-0116	EA	1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring	76.58	
33 01 30 51-0117	EA	2" Coupling, Cast Body (Compression), 5" Middle Ring	93.05	
33 01 30 51-0118	EA	1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	49.13	
33 01 30 51-0119	EA	3/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	50.50	
33 01 30 51-0120	EA	1" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	55.70	
33 01 30 51-0121	EA	1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	62.54	
33 01 30 51-0122	EA	1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	78.66	
33 01 30 51-0123	EA	2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	93.97	
33 01 30 51-0124	EA	3/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	91.68	
33 01 30 51-0125	EA	1" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	107.24	
33 01 30 51-0126	EA	1-1/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	112.04	
33 01 30 51-0127	EA	1-1/2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	126.61	
33 01 30 51-0128	EA	2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	153.96	
33 01 30 51-0129		Reducing Couplings For Steel Pipe (Compression) (33 01 30 51-0110) Note: Includes armored gaskets.		
33 01 30 51-0130	EA	3/4" x 1/2" Reducing Coupling (Compression)	53.27	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 30 51-0131	EA	1" x 3/4" Reducing Coupling (Compression)	56.84
33 01 30 51-0132	EA	1-1/4" x 3/4" Reducing Coupling (Compression)	64.17
33 01 30 51-0133	EA	1-1/4" x 1" Reducing Coupling (Compression)	66.45
33 01 30 51-0134	EA	1-1/2" x 3/4" Reducing Coupling (Compression)	124.32
33 01 30 51-0135	EA	1-1/2" x 1" Reducing Coupling (Compression)	80.13
33 01 30 51-0136	EA	1-1/2" x 1-1/4" Reducing Coupling (Compression)	80.45
33 01 30 51-0137	EA	2" x 3/4" Reducing Coupling (Compression)	148.51
33 01 30 51-0138	EA	2" x 1" Reducing Coupling (Compression)	135.82
33 01 30 51-0139	EA	2" x 1-1/4" Reducing Coupling (Compression)	105.61
33 01 30 51-0140	EA	2" x 1-1/2" Reducing Coupling (Compression)	105.28

33 01 30 51-0141 Steel Compression Repair Fittings, Elbows (33 01 30 51-0110)

Note: Includes armored gaskets.

33 01 30 51-0142	EA	1" 45 Degree Elbow (Compression)	85.98
33 01 30 51-0143	EA	1-1/4" 45 Degree Elbow (Compression)	90.07
33 01 30 51-0144	EA	1-1/2" 45 Degree Elbow (Compression)	116.11
33 01 30 51-0145	EA	2" 45 Degree Elbow (Compression)	146.14
33 01 30 51-0146	EA	3/4" 90 Degree Elbow (Compression)	58.54
33 01 30 51-0147	EA	1" 90 Degree Elbow (Compression)	61.25
33 01 30 51-0148	EA	1-1/4" 90 Degree Elbow (Compression)	71.59
33 01 30 51-0149	EA	1-1/2" 90 Degree Elbow (Compression)	101.13
33 01 30 51-0150	EA	2" 90 Degree Elbow (Compression)	111.50
33 01 30 51-0151	EA	3/4" Plain End 90 Degree Street Elbow (Compression)	58.71
33 01 30 51-0152	EA	1" Plain End 90 Degree Street Elbow (Compression)	53.01
33 01 30 51-0153	EA	1-1/4" Plain End 90 Degree Street Elbow (Compression)	59.94
33 01 30 51-0154	EA	1-1/2" Plain End 90 Degree Street Elbow (Compression)	75.73
33 01 30 51-0155	EA	2" Plain End 90 Degree Street Elbow (Compression)	97.14
33 01 30 51-0156	EA	3/4" Threaded End 90 Degree Street Elbow (Compression)	60.50
33 01 30 51-0157	EA	1" Threaded End 90 Degree Street Elbow (Compression)	56.36
33 01 30 51-0158	EA	1-1/4" Threaded End 90 Degree Street Elbow (Compression)	72.39
33 01 30 51-0159	EA	1-1/2" Threaded End 90 Degree Street Elbow (Compression)	87.61
33 01 30 51-0160	EA	2" Threaded End 90 Degree Street Elbow (Compression)	122.54

33 01 30 51-0161 Steel Compression Repair Fittings, Tees (33 01 30 51-0110)

Note: Includes armored gaskets.

33 01 30 51-0162	EA	3/4" Street Tee (Compression)	66.20
33 01 30 51-0163	EA	1" Street Tee (Compression)	77.84
33 01 30 51-0164	EA	1-1/4" Street Tee (Compression)	79.72
33 01 30 51-0165	EA	1-1/2" Street Tee (Compression)	92.92
33 01 30 51-0166	EA	2" Street Tee (Compression)	137.04
33 01 30 51-0167	EA	1-1/4" x 1-1/4" x 1" Reducing Street Tee (Compression)	79.08
33 01 30 51-0168	EA	1-1/4" x 1" x 1-1/4" Reducing Street Tee (Compression)	82.32
33 01 30 51-0169	EA	1-1/2" x 1-1/2" x 1" Reducing Street Tee (Compression)	103.09
33 01 30 51-0170	EA	1-1/2" x 1-1/2" x 1-1/4" Reducing Street Tee (Compression)	117.74
33 01 30 51-0171	EA	1-1/2" x 1" x 1-1/2" Reducing Street Tee (Compression)	118.39
33 01 30 51-0172	EA	1-1/2" x 1-1/4" x 1-1/2" Reducing Street Tee (Compression)	101.71
33 01 30 51-0173	EA	2" x 1-1/4" x 2" Reducing Street Tee (Compression)	133.87
33 01 30 51-0174	EA	2" x 1-1/2" x 2" Reducing Street Tee (Compression)	150.16
33 01 30 51-0175	EA	3/4" Welding Street Tee (Compression)	115.05
33 01 30 51-0176	EA	1" Welding Street Tee (Compression)	116.51
33 01 30 51-0177	EA	1-1/4" Welding Street Tee (Compression)	125.55
33 01 30 51-0178	EA	1-1/2" Welding Street Tee (Compression)	151.54
33 01 30 51-0179	EA	2" Welding Street Tee (Compression)	202.43
33 01 30 51-0180	EA	3/4" Regular Tee (Compression)	86.63
33 01 30 51-0181	EA	1" Regular Tee (Compression)	147.52
33 01 30 51-0182	EA	1-1/4" Regular Tee (Compression)	156.49
33 01 30 51-0183	EA	1-1/2" Regular Tee (Compression)	169.69
33 01 30 51-0184	EA	2" Regular Tee (Compression)	189.24
33 01 30 51-0185	EA	2" x 2" x 1-1/4" Regular Reducing Tee (Compression)	186.63

33 01 30 51-0186 Steel Compression Repair Fittings, Male Adapters (33 01 30 51-0110)

Note: Includes armored gaskets.

33 01 30 51-0187	EA	3/4" Male Adapter (Compression)	58.39
33 01 30 51-0188	EA	1" Male Adapter (Compression)	65.31
33 01 30 51-0189	EA	1-1/4" Male Adapter (Compression)	84.29
33 01 30 51-0190	EA	1-1/2" Male Adapter (Compression)	95.93
33 01 30 51-0191	EA	2" Male Adapter (Compression)	108.78
33 01 30 51-0192	EA	1" x 1-1/4" Male Adapter (Compression)	83.87

33 01 30 51-0193 Steel Compression Repair Fittings, Line Caps (33 01 30 51-0110)

Note: Includes armored gaskets.

33 01 30 51-0194	EA	3/4" Line Caps (Compression)	31.19
33 01 30 51-0195	EA	1" Line Caps (Compression)	36.32
33 01 30 51-0196	EA	1-1/4" Line Caps (Compression)	41.53
33 01 30 51-0197	EA	1-1/2" Line Caps (Compression)	49.09
33 01 30 51-0198	EA	2" Line Caps (Compression)	60.50



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 30 51-0199

Couplings For Steel Pipe (33 01 30 51-0079)

Note: Includes Buna S gasket. Dresser style 38

33 01 30 51-0200	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket.....	39.42
33 01 30 51-0201	EA	3/4" Coupling, 5" Middle Ring With Buna S Gasket.....	50.10
33 01 30 51-0202	EA	1" Coupling, 5" Middle Ring With Buna S Gasket.....	59.42
33 01 30 51-0203	EA	1-1/2" Coupling, 5" Middle Ring With Buna S Gasket.....	73.34
33 01 30 51-0204	EA	2" Coupling, 4" Middle Ring With Buna S Gasket.....	90.51
33 01 30 51-0205	EA	2" Coupling, 5" Middle Ring With Buna S Gasket.....	107.77
33 01 30 51-0206	EA	2" Coupling, 7" Middle Ring With Buna S Gasket.....	103.48
33 01 30 51-0207	EA	3" Coupling, 4" Middle Ring With Buna S Gasket.....	140.15
33 01 30 51-0208	EA	3" Coupling, 5" Middle Ring With Buna S Gasket.....	142.75
33 01 30 51-0209	EA	3" Coupling, 7" Middle Ring With Buna S Gasket.....	145.35
33 01 30 51-0210	EA	4" Coupling, 4" Middle Ring With Buna S Gasket.....	167.83
33 01 30 51-0211	EA	4" Coupling, 5" Middle Ring With Buna S Gasket.....	172.24
33 01 30 51-0212	EA	4" Coupling, 7" Middle Ring With Buna S Gasket.....	177.77
33 01 30 51-0213	EA	5" Coupling, 4" Middle Ring With Buna S Gasket.....	211.36
33 01 30 51-0214	EA	5" Coupling, 5" Middle Ring With Buna S Gasket.....	213.10
33 01 30 51-0215	EA	5" Coupling, 7" Middle Ring With Buna S Gasket.....	219.44
33 01 30 51-0216	EA	6" Coupling, 4" Middle Ring With Buna S Gasket.....	231.66
33 01 30 51-0217	EA	6" Coupling, 5" Middle Ring With Buna S Gasket.....	236.37
33 01 30 51-0218	EA	6" Coupling, 7" Middle Ring With Buna S Gasket.....	242.39
33 01 30 51-0219	EA	8" Coupling, 4" Middle Ring With Buna S Gasket.....	271.02
33 01 30 51-0220	EA	8" Coupling, 5" Middle Ring With Buna S Gasket.....	277.99
33 01 30 51-0221	EA	8" Coupling, 7" Middle Ring With Buna S Gasket.....	283.71
33 01 30 51-0222	EA	10" Coupling, 5" Middle Ring With Buna S Gasket.....	322.40
33 01 30 51-0223	EA	10" Coupling, 7" Middle Ring With Buna S Gasket.....	355.29
33 01 30 51-0224	EA	12" Coupling, 5" Middle Ring With Buna S Gasket.....	365.89
33 01 30 51-0225	EA	12" Coupling, 7" Middle Ring With Buna S Gasket.....	435.61
33 01 30 51-0226	EA	14" Coupling, 7" Middle Ring With Buna S Gasket.....	495.84
33 01 30 51-0227	EA	16" Coupling, 7" Middle Ring With Buna S Gasket.....	576.65
33 01 30 51-0228	EA	18" Coupling, 7" Middle Ring With Buna S Gasket.....	631.64
33 01 30 51-0229	EA	20" Coupling, 7" Middle Ring With Buna S Gasket.....	681.42
33 01 30 51-0230	EA	22" Coupling, 7" Middle Ring With Buna S Gasket.....	818.31
33 01 30 51-0231	EA	24" Coupling, 7" Middle Ring With Buna S Gasket.....	864.19

33 01 30 51-0232

Couplings For Steel Pipe (33 01 30 51-0079)

Note: Includes Buna S gasket, protected. Dresser style 38.

33 01 30 51-0233	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket, Protected.....	40.17
33 01 30 51-0234	EA	3/4" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	50.00
33 01 30 51-0235	EA	1" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	59.37
33 01 30 51-0236	EA	1-1/2" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	73.00
33 01 30 51-0237	EA	2" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	100.43
33 01 30 51-0238	EA	2" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	99.06
33 01 30 51-0239	EA	2" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	99.75
33 01 30 51-0240	EA	3" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	145.35
33 01 30 51-0241	EA	3" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	147.95
33 01 30 51-0242	EA	3" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	150.55
33 01 30 51-0243	EA	4" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	174.91
33 01 30 51-0244	EA	4" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	170.33
33 01 30 51-0245	EA	4" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	172.74
33 01 30 51-0246	EA	5" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	220.48
33 01 30 51-0247	EA	5" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	221.76
33 01 30 51-0248	EA	5" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	280.73
33 01 30 51-0249	EA	6" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	234.45
33 01 30 51-0250	EA	6" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	241.22
33 01 30 51-0251	EA	6" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	243.83
33 01 30 51-0252	EA	8" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	286.15
33 01 30 51-0253	EA	8" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	288.72
33 01 30 51-0254	EA	8" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	292.86
33 01 30 51-0255	EA	10" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	328.64
33 01 30 51-0256	EA	10" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	361.79
33 01 30 51-0257	EA	12" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	372.39
33 01 30 51-0258	EA	12" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	441.97
33 01 30 51-0259	EA	14" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	502.34
33 01 30 51-0260	EA	16" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	586.40
33 01 30 51-0261	EA	18" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	644.64
33 01 30 51-0262	EA	20" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	694.22
33 01 30 51-0263	EA	22" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	831.31
33 01 30 51-0264	EA	24" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	877.19

33 01 30 51-0265

Couplings For Steel Pipe (33 01 30 51-0079)

Note: Includes Buna N gasket, protected. Dresser style 38.

33 01 30 51-0266	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna N Gasket, Protected.....	44.79
33 01 30 51-0267	EA	3/4" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	54.70
33 01 30 51-0268	EA	1" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	64.89
33 01 30 51-0269	EA	1-1/2" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	80.17
33 01 30 51-0270	EA	2" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	100.43
33 01 30 51-0271	EA	2" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	112.04
33 01 30 51-0272	EA	2" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	115.90



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 30 51-0273	EA	3" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	145.35	
33 01 30 51-0274	EA	3" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	147.95	
33 01 30 51-0275	EA	3" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	150.55	
33 01 30 51-0276	EA	4" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	174.91	
33 01 30 51-0277	EA	4" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	184.18	
33 01 30 51-0278	EA	4" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	187.71	
33 01 30 51-0279	EA	5" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	220.48	
33 01 30 51-0280	EA	5" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	221.76	
33 01 30 51-0281	EA	5" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	236.64	
33 01 30 51-0282	EA	6" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	234.45	
33 01 30 51-0283	EA	6" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	241.22	
33 01 30 51-0284	EA	6" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	243.83	
33 01 30 51-0285	EA	8" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	286.15	
33 01 30 51-0286	EA	8" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	288.72	
33 01 30 51-0287	EA	8" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	292.86	
33 01 30 51-0288	EA	10" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	328.64	
33 01 30 51-0289	EA	10" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	361.79	
33 01 30 51-0290	EA	12" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	372.39	
33 01 30 51-0291	EA	12" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	441.97	
33 01 30 51-0292	EA	14" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	502.34	
33 01 30 51-0293	EA	16" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	576.65	
33 01 30 51-0294	EA	18" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	644.64	
33 01 30 51-0295	EA	20" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	694.42	
33 01 30 51-0296	EA	22" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	831.31	
33 01 30 51-0297	EA	24" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	877.19	

33 01 30 51-0298 Couplings For Steel Pipe (33 01 30 51-0079)

Note: Includes high temperature carded glass gasket, protected. Dresser style 38.

33 01 30 51-0299	EA	3/4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	71.01	
33 01 30 51-0300	EA	1" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	79.80	
33 01 30 51-0301	EA	1-1/2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	89.26	
33 01 30 51-0302	EA	2" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket.....	127.92	
33 01 30 51-0303	EA	2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	135.04	
33 01 30 51-0304	EA	2" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	138.66	
33 01 30 51-0305	EA	3" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	170.41	
33 01 30 51-0306	EA	3" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	169.59	
33 01 30 51-0307	EA	4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	197.18	
33 01 30 51-0308	EA	4" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	200.71	
33 01 30 51-0309	EA	5" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	262.12	
33 01 30 51-0310	EA	5" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	266.80	
33 01 30 51-0311	EA	6" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	285.32	
33 01 30 51-0312	EA	6" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	288.43	
33 01 30 51-0313	EA	8" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket.....	308.45	
33 01 30 51-0314	EA	8" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	354.97	
33 01 30 51-0315	EA	8" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	373.94	
33 01 30 51-0316	EA	10" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	393.37	
33 01 30 51-0317	EA	10" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	393.31	
33 01 30 51-0318	EA	12" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	483.11	
33 01 30 51-0319	EA	12" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	497.40	
33 01 30 51-0320	EA	14" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	567.63	
33 01 30 51-0321	EA	16" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	687.03	
33 01 30 51-0322	EA	18" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	688.84	
33 01 30 51-0323	EA	20" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	761.37	
33 01 30 51-0324	EA	22" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	822.86	
33 01 30 51-0325	EA	24" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	890.19	

33 01 30 51-0326 Grind Offset Joint (33 01 30 51-0001)

33 01 30 51-0327	EA	6" To 10", Grind Drop Offset Joint.....	340.01	
33 01 30 51-0328	EA	>10" To 15", Grind Drop Offset Joint.....	453.35	
33 01 30 51-0329	EA	>15" To 24", Grind Drop Offset Joint.....	566.68	
33 01 30 51-0330	EA	>24" To 30", Grind Drop Offset Joint.....	680.02	

33 01 30 51-0331 Temporary Pipe Plugging (33 01 30 51-0001)

33 01 30 51-0332 Gravity Bladder Pipe Plugging (33 01 30 51-0331)

Note: Includes insertion of expandable bladder device into pipe, expanding to block flow and removal.

33 01 30 51-0333	EA	3/4" Bladder Type Pipe Plug.....	62.79	
33 01 30 51-0334	EA	1" Bladder Type Pipe Plug.....	67.27	
33 01 30 51-0335	EA	1-1/4" Bladder Type Pipe Plug.....	73.07	
33 01 30 51-0336	EA	1-1/2" Bladder Type Pipe Plug.....	78.35	
33 01 30 51-0337	EA	2" Bladder Type Pipe Plug.....	83.36	
33 01 30 51-0338	EA	2-1/2" Bladder Type Pipe Plug.....	89.14	
33 01 30 51-0339	EA	3" Bladder Type Pipe Plug.....	96.90	
33 01 30 51-0340	EA	4" Bladder Type Pipe Plug.....	106.79	
33 01 30 51-0341	EA	5" Bladder Type Pipe Plug.....	115.59	
33 01 30 51-0342	EA	6" Bladder Type Pipe Plug.....	128.76	
33 01 30 51-0343	EA	8" Bladder Type Pipe Plug.....	143.08	
33 01 30 51-0344	EA	10" Bladder Type Pipe Plug.....	165.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0345 EA 12" Bladder Type Pipe Plug.....	197.44	
33 01 30 51-0346 EA 14" Bladder Type Pipe Plug.....	234.32	
33 01 30 51-0347 EA 16" Bladder Type Pipe Plug.....	282.01	
33 01 30 51-0348 EA 18" Bladder Type Pipe Plug.....	339.30	
33 01 30 51-0349 EA 20" Bladder Type Pipe Plug.....	406.58	
33 01 30 51-0350 EA 24" Bladder Type Pipe Plug.....	470.54	
33 01 30 51-0351	Hydra Stop, Hot Tapping Of Pressure Pipe <small>(33 01 30 51-0331)</small>	
Note: Includes flanged or threaded lateral outlet, cutting and tapping pipe, insertion of expandable bladder device into pipe, expanding to block flow, and removal of bladder/cutting device.		
33 01 30 51-0352 EA 2" Hydra Stop, Line Stopper.....	1,726.05	
33 01 30 51-0353 EA 2-1/2" Hydra Stop, Line Stopper.....	2,164.94	
33 01 30 51-0354 EA 3" Hydra Stop, Line Stopper.....	2,648.11	
33 01 30 51-0355 EA 4" Hydra Stop, Line Stopper.....	3,230.71	
33 01 30 51-0356 EA 5" Hydra Stop, Line Stopper.....	3,687.87	
33 01 30 51-0357 EA 6" Hydra Stop, Line Stopper.....	4,454.58	
33 01 30 51-0358 EA 8" Hydra Stop, Line Stopper.....	4,911.75	
33 01 30 51-0359 EA 10" Hydra Stop, Line Stopper.....	5,678.44	
33 01 30 51-0360 EA 12" Hydra Stop, Line Stopper.....	6,445.15	
33 01 30 51-0361 EA 14" Hydra Stop, Line Stopper.....	7,248.76	
33 01 30 51-0362 EA 16" Hydra Stop, Line Stopper.....	8,273.79	
33 01 30 51-0363 EA 18" Hydra Stop, Line Stopper.....	9,409.48	
33 01 30 51-0364 EA 20" Hydra Stop, Line Stopper.....	11,061.68	
33 01 30 51-0365	Aluminum Expansion Plugs <small>(33 01 30 51-0331)</small>	
Note: For use with PVC, clay Or cast iron drainage pipe.		
33 01 30 51-0366 EA 3" Pipe Plug.....	47.39	
33 01 30 51-0367 EA 4" Pipe Plug.....	66.71	
33 01 30 51-0368 EA 5" Pipe Plug.....	75.03	
33 01 30 51-0369 EA 6" Pipe Plug.....	111.98	
33 01 30 51-0370 EA 8" Pipe Plug.....	115.28	
33 01 30 51-0371 EA 10" Pipe Plug.....	143.25	
33 01 30 51-0372 EA 12" Pipe Plug.....	192.02	
33 01 30 51-0373 EA 14" Pipe Plug.....	306.73	
33 01 30 51-0374 EA 15" Pipe Plug.....	331.89	
33 01 30 51-0375	Pipe Repair Clamp, Stainless Steel, 3" Long <small>(33 01 30 51-0001)</small>	
33 01 30 51-0376 EA 1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	125.23	
33 01 30 51-0377 EA 3/4" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	125.41	
33 01 30 51-0378 EA 1" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	125.85	
33 01 30 51-0379 EA 1-1/4" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	126.29	
33 01 30 51-0380 EA 1-1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	126.51	
33 01 30 51-0381 EA 2" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	127.17	
33 01 30 51-0382 EA 2-1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	127.83	
33 01 30 51-0383 EA 3" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	128.71	
33 01 30 51-0384 EA 4" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	230.26	
33 01 30 51-0385 EA 6" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	233.12	
33 01 30 51-0386 EA 8" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	235.11	
33 01 30 51-0387 EA 10" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	256.06	
33 01 30 51-0388 EA 12" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	258.71	
33 01 30 51-0389 EA 14" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	260.48	
33 01 30 51-0390 EA 16" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	263.12	
33 01 30 51-0391 EA 18" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	265.77	
33 01 30 51-0392 EA 20" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	269.30	
33 01 30 51-0393 EA 24" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	275.47	
33 01 30 51-0394	Polyseal Pipe Coupler <small>(33 01 30 51-0001)</small>	
33 01 30 51-0395 EA 18" Diameter Pipe, PolySeal Repair Couplers (MarMac).....	249.86	
33 01 30 51-0396 EA 24" Diameter Pipe, PolySeal Repair Couplers (MarMac).....	282.51	
33 01 30 61	Sewer and Pipe Joint Sealing <small>(33 01 30)</small>	
33 01 30 61-0001	Joint Air Test <small>(33 01 30 61)</small>	
33 01 30 61-0002 EA 4" To 8", Joint Air Test.....	79.82	
33 01 30 61-0003 EA 10" To 15", Joint Air Test.....	93.12	
33 01 30 61-0004 EA >15" To 21", Joint Air Test.....	106.43	
33 01 30 61-0005 EA >21" To 24", Joint Air Test.....	133.04	
33 01 30 61-0006 EA >24" To 27", Joint Air Test.....	159.64	
33 01 30 61-0007 EA >27" To 36", Joint Air Test.....	186.25	
33 01 30 61-0008	Joint Seal And Joint Air Retest <small>(33 01 30 61)</small>	
Note: Includes grout.		
33 01 30 61-0009 EA 4" Joint Seal And Joint Air Retest.....	232.75	
Note: Includes up to 1 gallon of grout.		

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 61-0010 EA 6" Joint Seal And Joint Air Retest Note: Includes 1 gallon of grout.	259.36	
33 01 30 61-0011 EA 8" Joint Seal And Joint Air Retest Note: Includes 2 gallons of grout.	305.85	
33 01 30 61-0012 EA 10" Joint Seal And Joint Air Retest Note: Includes 2.5 gallons of grout.	342.41	
33 01 30 61-0013 EA 12" Joint Seal And Joint Air Retest Note: Includes 3 gallons of grout.	378.97	
33 01 30 61-0014 EA 15" Joint Seal And Joint Air Retest Note: Includes 3.75 gallons of grout.	447.10	
33 01 30 61-0015 EA 18" Joint Seal And Joint Air Retest Note: Includes 4.5 gallons of grout.	515.24	
33 01 30 61-0016 EA 21" Joint Seal And Joint Air Retest Note: Includes 5.25 gallons of grout.	583.37	
33 01 30 61-0017 EA 24" Joint Seal And Joint Air Retest Note: Includes 6 gallons of grout.	678.13	
33 01 30 61-0018 EA 27" Joint Seal And Joint Air Retest Note: Includes 6.75 gallons of grout.	772.86	
33 01 30 61-0019 EA 30" Joint Seal And Joint Air Retest Note: Includes 7.5 gallons of grout.	894.21	
33 01 30 61-0020 EA 36" Joint Seal And Joint Air Retest Note: Includes 9 gallons of grout.	1,030.48	
33 01 30 61-0021 GAL Extra Grout Per Joint Note: For extra grout per joint required over listed amount.	126.33	
33 01 30 71 Relining Sewer Utilities Pipelines (33 01 30)		
33 01 30 71-0001 Relining Underground Pipelines (33 01 30 71)		
Note: Excludes CCTV inspection, sewer cleaning, pavement both temporary and permanent, emergency after hours response for homeowners backups. See CSI section 01 22 20 00-0000 for hourly rates for after hours response for homeowners backups, 32 01 17 63-0000 for temporary pavement, 32 12 16 00-0000 for permanent pavement, 33 01 30 11-0000 for CCTV Inspection, 33 01 30 41-0002 for sewer cleaning.		
33 01 30 71-0002 Relining Underground Pipelines Set-Up And Reinsertion (33 01 30 71-0001)		
33 01 30 71-0003 EA Initial Set Up And Final Equipment Removal For Relining Underground Pipelines.....	4,124.64	
33 01 30 71-0004 EA Move And Reset Up At Different Access/Location For Relining Underground Pipelines	1,649.86	
33 01 30 71-0005 Lining Pipe With Polyester Resin Impregnated Cured In-Place Pipe (CIPP)		
(33 01 30 71-0001) Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection, culvert cleaning and grouting.		
33 01 30 71-0006 Relining Underground Pipelines Set-Up And Reinsertion For CIPP (33 01 30 71-0005)		
33 01 30 71-0007 EA Initial Set Up And Final Equipment Removal For Relining Underground Pipelines CIPP	4,124.64	
33 01 30 71-0008 EA Move And Reset Up At Different Access/Location For Relining Underground Pipelines CIPP	1,649.86	
33 01 30 71-0009 EA Mixing Truck And Refrigeration For 12" To 24" CIPP	4,124.64	
Note: Need to mix wet material in bag prior to installation.		
33 01 30 71-0010 EA Mixing Truck And Refrigeration For 27" To 48" CIPP	8,249.29	
Note: Need to mix wet material in bag prior to installation.		
33 01 30 71-0011 EA Mixing Truck And Refrigeration For 54" To 72" CIPP	12,373.93	
Note: Need to mix wet material in bag prior to installation.		
33 01 30 71-0012 6mm Thick Lining Cured In-Place Pipe (33 01 30 71-0005)		
33 01 30 71-0013 LF 6mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	53.62	
33 01 30 71-0014 7.5mm Thick Lining Cured In-Place Pipe (33 01 30 71-0005)		
33 01 30 71-0015 LF 7.5mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	57.22	
33 01 30 71-0016 LF 7.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	67.89	
33 01 30 71-0017 LF 7.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	79.90	
33 01 30 71-0018 9mm Thick Lining Cured In-Place Pipe (33 01 30 71-0005)		
33 01 30 71-0019 LF 9mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	60.67	
33 01 30 71-0020 LF 9mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	71.63	
33 01 30 71-0021 LF 9mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	84.32	
33 01 30 71-0022 LF 9mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	102.06	
33 01 30 71-0023 LF 9mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	111.00	
33 01 30 71-0024 10.5mm Thick Lining Cured In-Place Pipe (33 01 30 71-0005)		
33 01 30 71-0025 LF 10.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	75.85	
33 01 30 71-0026 LF 10.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	89.27	
33 01 30 71-0027 LF 10.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	105.22	
33 01 30 71-0028 LF 10.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	117.13	
33 01 30 71-0029 LF 10.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	130.70	
33 01 30 71-0030 LF 10.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	146.33	
33 01 30 71-0031 LF 10.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	170.55	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0032				12mm Thick Lining Cured In-Place Pipe <small>(33 01 30 71-0005)</small>		
			LF	12mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	82.18	
			LF	12mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	96.86	
			LF	12mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	109.90	
			LF	12mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	124.60	
			LF	12mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	139.32	
			LF	12mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	155.68	
			LF	12mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	180.25	
			LF	12mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	211.12	
			LF	12mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	245.39	
33 01 30 71-0042				13.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 71-0005)</small>		
			LF	13.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	87.02	
			LF	13.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	101.61	
			LF	13.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	116.54	
			LF	13.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	131.54	
			LF	13.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	147.71	
			LF	13.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	164.63	
			LF	13.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	191.33	
			LF	13.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	218.75	
			LF	13.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	257.47	
33 01 30 71-0052				15mm Thick Lining Cured In-Place Pipe <small>(33 01 30 71-0005)</small>		
			LF	15mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	91.05	
			LF	15mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	107.67	
			LF	15mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	122.81	
			LF	15mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	139.18	
			LF	15mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	155.77	
			LF	15mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	169.54	
			LF	15mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	201.37	
			LF	15mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	231.24	
			LF	15mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	271.62	
33 01 30 71-0062				16.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 71-0005)</small>		
			LF	16.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	113.00	
			LF	16.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	129.05	
			LF	16.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	146.57	
			LF	16.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	163.84	
			LF	16.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	194.64	
			LF	16.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	209.86	
			LF	16.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	243.69	
			LF	16.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	285.77	
			LF	16.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	330.92	
33 01 30 71-0072				18mm Thick Lining Cured In-Place Pipe <small>(33 01 30 71-0005)</small>		
			LF	18mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	120.20	
			LF	18mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	137.18	
			LF	18mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	155.38	
			LF	18mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	174.36	
			LF	18mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	195.07	
			LF	18mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	226.91	
			LF	18mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	257.48	
			LF	18mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	304.24	
			LF	18mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	351.98	
			LF	18mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	411.32	
			LF	18mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	489.48	
			LF	18mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	582.63	
33 01 30 71-0085				19.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 71-0005)</small>		
			LF	19.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	125.46	
			LF	19.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	142.12	
			LF	19.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	163.00	
			LF	19.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	182.38	
			LF	19.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	203.50	
			LF	19.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	237.97	
			LF	19.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	272.01	
			LF	19.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	323.23	
			LF	19.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	368.01	
			LF	19.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	430.54	
			LF	19.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	510.62	
			LF	19.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	605.70	
33 01 30 71-0098				21mm Thick Lining Cured In-Place Pipe <small>(33 01 30 71-0005)</small>		

33 Utilities

33 01 Operation And Maintenance Of Utilities

33 01 30 Operation And Maintenance Of Sewer Utilities



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0099 LF 21mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	129.94	
33 01 30 71-0100 LF 21mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	146.82	
33 01 30 71-0101 LF 21mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	172.52	
33 01 30 71-0102 LF 21mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	193.08	
33 01 30 71-0103 LF 21mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	215.37	
33 01 30 71-0104 LF 21mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	252.09	
33 01 30 71-0105 LF 21mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	288.12	
33 01 30 71-0106 LF 21mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	337.25	
33 01 30 71-0107 LF 21mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	389.50	
33 01 30 71-0108 LF 21mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	452.44	
33 01 30 71-0109 LF 21mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	536.58	
33 01 30 71-0110 LF 21mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	636.44	
33 01 30 71-0111 22.5mm Thick Lining Cured In-Place Pipe (33 01 30 71-0005)		
33 01 30 71-0112 LF 22.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	133.29	
33 01 30 71-0113 LF 22.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	152.65	
33 01 30 71-0114 LF 22.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	179.34	
33 01 30 71-0115 LF 22.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	201.01	
33 01 30 71-0116 LF 22.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	224.38	
33 01 30 71-0117 LF 22.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	262.75	
33 01 30 71-0118 LF 22.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	300.50	
33 01 30 71-0119 LF 22.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	351.20	
33 01 30 71-0120 LF 22.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	405.45	
33 01 30 71-0121 LF 22.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	470.02	
33 01 30 71-0122 LF 22.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	555.91	
33 01 30 71-0123 LF 22.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	657.54	
33 01 30 71-0124 24mm Thick Lining Cured In-Place Pipe (33 01 30 71-0005)		
33 01 30 71-0125 LF 24mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	140.40	
33 01 30 71-0126 LF 24mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	160.55	
33 01 30 71-0127 LF 24mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	188.94	
33 01 30 71-0128 LF 24mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	211.75	
33 01 30 71-0129 LF 24mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	235.51	
33 01 30 71-0130 LF 24mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	277.15	
33 01 30 71-0131 LF 24mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	316.67	
33 01 30 71-0132 LF 24mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	370.29	
33 01 30 71-0133 LF 24mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	432.87	
33 01 30 71-0134 LF 24mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	498.46	
33 01 30 71-0135 LF 24mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	589.13	
33 01 30 71-0136 LF 24mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	696.34	
33 01 30 71-0137 25.5mm Thick Lining Cured In-Place Pipe (33 01 30 71-0005)		
33 01 30 71-0138 LF 25.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	166.24	
33 01 30 71-0139 LF 25.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	196.00	
33 01 30 71-0140 LF 25.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	214.07	
33 01 30 71-0141 LF 25.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	245.12	
33 01 30 71-0142 LF 25.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	287.89	
33 01 30 71-0143 LF 25.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	329.06	
33 01 30 71-0144 LF 25.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	384.23	
33 01 30 71-0145 LF 25.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	441.37	
33 01 30 71-0146 LF 25.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	511.90	
33 01 30 71-0147 LF 25.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	603.91	
33 01 30 71-0148 LF 25.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	712.46	
33 01 30 71-0149 27mm Thick Lining Cured In-Place Pipe (33 01 30 71-0005)		
33 01 30 71-0150 LF 27mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	174.42	
33 01 30 71-0151 LF 27mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	205.53	
33 01 30 71-0152 LF 27mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	222.54	
33 01 30 71-0153 LF 27mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	257.20	
33 01 30 71-0154 LF 27mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	300.54	
33 01 30 71-0155 LF 27mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	356.87	
33 01 30 71-0156 LF 27mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	403.30	
33 01 30 71-0157 LF 27mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	464.85	
33 01 30 71-0158 LF 27mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	538.18	
33 01 30 71-0159 LF 27mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	634.86	
33 01 30 71-0160 LF 27mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	748.91	
33 01 30 71-0161 28.5mm Thick Lining Cured In-Place Pipe (33 01 30 71-0005)		
33 01 30 71-0162 LF 28.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	212.38	
33 01 30 71-0163 LF 28.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	231.13	
33 01 30 71-0164 LF 28.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	228.69	
33 01 30 71-0165 LF 28.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	313.00	
33 01 30 71-0166 LF 28.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	362.33	
33 01 30 71-0167 LF 28.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	417.12	
33 01 30 71-0168 LF 28.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	480.65	



			DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0169	LF		28.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	555.59	
33 01 30 71-0170	LF		28.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	654.02	
33 01 30 71-0171	LF		28.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	769.81	
33 01 30 71-0172 30mm Thick Lining Cured In-Place Pipe <small>(33 01 30 71-0005)</small>					
33 01 30 71-0173	LF		30mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	217.94	
33 01 30 71-0174	LF		30mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	240.48	
33 01 30 71-0175	LF		30mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	278.08	
33 01 30 71-0176	LF		30mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	327.44	
33 01 30 71-0177	LF		30mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	374.18	
33 01 30 71-0178	LF		30mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	436.32	
33 01 30 71-0179	LF		30mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	502.77	
33 01 30 71-0180	LF		30mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	581.25	
33 01 30 71-0181	LF		30mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	684.41	
33 01 30 71-0182	LF		30mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	805.77	
33 01 30 71-0183 31.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 71-0005)</small>					
33 01 30 71-0184	LF		31.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	220.63	
33 01 30 71-0185	LF		31.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	247.83	
33 01 30 71-0186	LF		31.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	276.53	
33 01 30 71-0187	LF		31.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	336.72	
33 01 30 71-0188	LF		31.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	386.34	
33 01 30 71-0189	LF		31.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	450.32	
33 01 30 71-0190	LF		31.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	518.53	
33 01 30 71-0191	LF		31.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	598.76	
33 01 30 71-0192	LF		31.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	703.66	
33 01 30 71-0193	LF		31.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	826.77	
33 01 30 71-0194 33mm Thick Lining Cured In-Place Pipe <small>(33 01 30 71-0005)</small>					
33 01 30 71-0195	LF		33mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	230.44	
33 01 30 71-0196	LF		33mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	258.42	
33 01 30 71-0197	LF		33mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	288.40	
33 01 30 71-0198	LF		33mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	352.77	
33 01 30 71-0199	LF		33mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	403.20	
33 01 30 71-0200	LF		33mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	469.78	
33 01 30 71-0201	LF		33mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	540.83	
33 01 30 71-0202	LF		33mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	624.81	
33 01 30 71-0203	LF		33mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	734.56	
33 01 30 71-0204	LF		33mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	863.42	
33 01 30 71-0205 34.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 71-0005)</small>					
33 01 30 71-0206	LF		34.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	265.71	
33 01 30 71-0207	LF		34.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	296.53	
33 01 30 71-0208	LF		34.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	356.48	
33 01 30 71-0209	LF		34.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	415.08	
33 01 30 71-0210	LF		34.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	481.67	
33 01 30 71-0211	LF		34.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	556.47	
33 01 30 71-0212	LF		34.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	640.92	
33 01 30 71-0213	LF		34.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	752.28	
33 01 30 71-0214	LF		34.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	882.75	
33 01 30 71-0215 36mm Thick Lining Cured In-Place Pipe <small>(33 01 30 71-0005)</small>					
33 01 30 71-0216	LF		36mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	276.40	
33 01 30 71-0217	LF		36mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	308.48	
33 01 30 71-0218	LF		36mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	364.15	
33 01 30 71-0219	LF		36mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	432.09	
33 01 30 71-0220	LF		36mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	503.06	
33 01 30 71-0221	LF		36mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	579.06	
33 01 30 71-0222	LF		36mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	668.36	
33 01 30 71-0223	LF		36mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	784.82	
33 01 30 71-0224	LF		36mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	921.38	
33 01 30 71-0225 37.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 71-0005)</small>					
33 01 30 71-0226	LF		37.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	316.75	
33 01 30 71-0227	LF		37.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	374.00	
33 01 30 71-0228	LF		37.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	443.88	
33 01 30 71-0229	LF		37.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	516.92	
33 01 30 71-0230	LF		37.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	592.53	
33 01 30 71-0231	LF		37.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	684.51	
33 01 30 71-0232	LF		37.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	802.59	
33 01 30 71-0233	LF		37.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	940.76	
33 01 30 71-0234 39mm Thick Lining Cured In-Place Pipe <small>(33 01 30 71-0005)</small>					

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0235 LF 39mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	388.56	
33 01 30 71-0236 LF 39mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	461.15	
33 01 30 71-0237 LF 39mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	536.73	
33 01 30 71-0238 LF 39mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	617.55	
33 01 30 71-0239 LF 39mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	712.41	
33 01 30 71-0240 LF 39mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	835.75	
33 01 30 71-0241 LF 39mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	980.21	
33 01 30 71-0242 40.5mm Thick Lining Cured In-Place Pipe (33 01 30 71-0005)		
33 01 30 71-0243 LF 40.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	462.27	
33 01 30 71-0244 LF 40.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	550.23	
33 01 30 71-0245 LF 40.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	633.05	
33 01 30 71-0246 LF 40.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	729.45	
33 01 30 71-0247 LF 40.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	854.51	
33 01 30 71-0248 LF 40.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,000.67	
33 01 30 71-0249 42mm Thick Lining Cured In-Place Pipe (33 01 30 71-0005)		
33 01 30 71-0250 LF 42mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	570.29	
33 01 30 71-0251 LF 42mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	656.22	
33 01 30 71-0252 LF 42mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	756.55	
33 01 30 71-0253 LF 42mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	886.92	
33 01 30 71-0254 LF 42mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,039.44	
33 01 30 71-0255 Form And Fold Polyethylene (PE) Pipeliner (33 01 30 71-0001)		
33 01 30 71-0256 LF 4" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	29.64	
For DR 26 Pipe Liner, Add	5.20	
For >500 To 1,000, Deduct	-0.66	
For >1,000 To 2,000, Deduct	-1.33	
For >2,000, Deduct	-2.65	
33 01 30 71-0257 LF 6" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	37.78	
For DR 26 Pipe Liner, Add	7.07	
For DR 35 Pipe Liner, Deduct	-3.53	
For >500 To 1,000, Deduct	-0.71	
For >1,000 To 2,000, Deduct	-1.43	
For >2,000, Deduct	-2.86	
33 01 30 71-0258 LF 8" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	39.09	
For DR 26 Pipe Liner, Add	7.20	
For DR 35 Pipe Liner, Deduct	-3.60	
For >500 To 1,000, Deduct	-0.77	
For >1,000 To 2,000, Deduct	-1.55	
For >2,000, Deduct	-3.09	
33 01 30 71-0259 LF 10" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	54.42	
For DR 26 Pipe Liner, Add	10.79	
For DR 35 Pipe Liner, Deduct	-5.40	
For DR 41 Pipe Liner, Deduct	-10.79	
For >500 To 1,000, Deduct	-0.84	
For >1,000 To 2,000, Deduct	-1.69	
For >2,000, Deduct	-3.38	
33 01 30 71-0260 LF 12" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	75.56	
For DR 26 Pipe Liner, Add	15.80	
For DR 35 Pipe Liner, Deduct	-7.90	
For DR 41 Pipe Liner, Deduct	-15.80	
For >500 To 1,000, Deduct	-0.93	
For >1,000 To 2,000, Deduct	-1.86	
For >2,000, Deduct	-3.71	
33 01 30 71-0261 LF 15" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	103.03	
For DR 35 Pipe Liner, Deduct	-11.12	
For DR 41 Pipe Liner, Deduct	-22.24	
For >500 To 1,000, Deduct	-1.06	
For >1,000 To 2,000, Deduct	-2.11	
For >2,000, Deduct	-4.22	
33 01 30 71-0262 LF 18" Diameter Form and Fold Polyethylene Pipeliner, DR 35	144.86	
For DR 41 Pipe Liner, Deduct	-12.90	
For DR 50 Pipe Liner, Deduct	-25.80	
For >500 To 1,000, Deduct	-1.19	
For >1,000 To 2,000, Deduct	-2.38	
For >2,000, Deduct	-4.76	
33 01 30 71-0263 LF 21" Diameter Form and Fold Polyethylene Pipeliner, DR 47	163.71	
For DR 50 Pipe Liner, Deduct	-21.98	
For DR 55 Pipe Liner, Deduct	-36.63	
For >500 To 1,000, Deduct	-1.29	
For >1,000 To 2,000, Deduct	-2.58	
For >2,000, Deduct	-5.16	
33 01 30 71-0264 LF 24" Diameter Form and Fold Polyethylene Pipeliner, DR 55	199.28	
For DR 60 Pipe Liner, Deduct	-27.08	
For >500 To 1,000, Deduct	-1.41	
For >1,000 To 2,000, Deduct	-2.81	
For >2,000, Deduct	-5.63	
33 01 30 71-0265 Form And Fold Polyvinyl Chloride (PVC) Pipeliner (33 01 30 71-0001)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0266 LF 4" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	31.60	
<i>For >500 To 1,000, Deduct</i>	-0.66	
<i>For >1,000 To 2,000, Deduct</i>	-1.33	
<i>For >2,000, Deduct</i>	-2.65	
<i>For DR 26 Pipe Liner, Add</i>	5.69	
33 01 30 71-0267 LF 6" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	37.78	
<i>For >500 To 1,000, Deduct</i>	-0.71	
<i>For >1,000 To 2,000, Deduct</i>	-1.43	
<i>For >2,000, Deduct</i>	-2.86	
<i>For DR 26 Pipe Liner, Add</i>	7.07	
<i>For DR 35 Pipe Liner, Deduct</i>	-3.53	
33 01 30 71-0268 LF 8" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	41.71	
<i>For >500 To 1,000, Deduct</i>	-0.77	
<i>For >1,000 To 2,000, Deduct</i>	-1.55	
<i>For >2,000, Deduct</i>	-3.09	
<i>For DR 26 Pipe Liner, Add</i>	7.85	
<i>For DR 35 Pipe Liner, Deduct</i>	-3.93	
33 01 30 71-0269 LF 10" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	58.34	
<i>For >500 To 1,000, Deduct</i>	-0.84	
<i>For >1,000 To 2,000, Deduct</i>	-1.69	
<i>For >2,000, Deduct</i>	-3.38	
<i>For DR 26 Pipe Liner, Add</i>	11.77	
<i>For DR 35 Pipe Liner, Deduct</i>	-5.89	
<i>For DR 41 Pipe Liner, Deduct</i>	-11.77	
33 01 30 71-0270 LF 12" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	81.45	
<i>For >500 To 1,000, Deduct</i>	-0.93	
<i>For >1,000 To 2,000, Deduct</i>	-1.86	
<i>For >2,000, Deduct</i>	-3.71	
<i>For DR 26 Pipe Liner, Add</i>	17.27	
<i>For DR 35 Pipe Liner, Deduct</i>	-8.63	
<i>For DR 41 Pipe Liner, Deduct</i>	-17.27	
33 01 30 71-0271 LF 15" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	111.40	
<i>For >500 To 1,000, Deduct</i>	-1.06	
<i>For >1,000 To 2,000, Deduct</i>	-2.11	
<i>For >2,000, Deduct</i>	-4.22	
<i>For DR 35 Pipe Liner, Deduct</i>	-12.17	
<i>For DR 41 Pipe Liner, Deduct</i>	-24.33	
33 01 30 71-0272 LF 18" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 35.....	157.15	
<i>For >500 To 1,000, Deduct</i>	-1.19	
<i>For >1,000 To 2,000, Deduct</i>	-2.38	
<i>For >2,000, Deduct</i>	-4.76	
<i>For DR 41 Pipe Liner, Deduct</i>	-14.13	
<i>For DR 50 Pipe Liner, Deduct</i>	-28.26	
33 01 30 71-0273 LF 21" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 47.....	177.31	
<i>For >500 To 1,000, Deduct</i>	-1.29	
<i>For >1,000 To 2,000, Deduct</i>	-2.58	
<i>For >2,000, Deduct</i>	-5.16	
<i>For DR 50 Pipe Liner, Deduct</i>	-24.02	
<i>For DR 55 Pipe Liner, Deduct</i>	-40.03	
33 01 30 71-0274 LF 24" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 55.....	216.55	
<i>For >500 To 1,000, Deduct</i>	-1.41	
<i>For >1,000 To 2,000, Deduct</i>	-2.81	
<i>For >2,000, Deduct</i>	-5.63	
<i>For DR 60 Pipe Liner, Deduct</i>	-29.67	
33 01 30 71-0275 Lining Pipe With Rib Loc <small>(33 01 30 71-0001)</small>		
33 01 30 71-0276 LF Lining 6" Pipe With Rib Loc	29.69	
<i>For >500 To 1,000, Deduct</i>	-0.78	
<i>For >1,000 To 2,000, Deduct</i>	-1.52	
<i>For >2,000 To 5,000, Deduct</i>	-2.35	
<i>For >5,000, Deduct</i>	-3.45	
33 01 30 71-0277 LF Lining 8" Pipe With Rib Loc	32.96	
<i>For >500 To 1,000, Deduct</i>	-0.87	
<i>For >1,000 To 2,000, Deduct</i>	-1.68	
<i>For >2,000 To 5,000, Deduct</i>	-2.60	
<i>For >5,000, Deduct</i>	-3.81	
33 01 30 71-0278 LF Lining 10" Pipe With Rib Loc	45.09	
<i>For >500 To 1,000, Deduct</i>	-1.13	
<i>For >1,000 To 2,000, Deduct</i>	-2.20	
<i>For >2,000 To 5,000, Deduct</i>	-3.38	
<i>For >5,000, Deduct</i>	-5.07	
33 01 30 71-0279 LF Lining 12" Pipe With Rib Loc	57.05	
<i>For >500 To 1,000, Deduct</i>	-1.39	
<i>For >1,000 To 2,000, Deduct</i>	-2.72	
<i>For >2,000 To 5,000, Deduct</i>	-4.17	
<i>For >5,000, Deduct</i>	-6.32	
33 01 30 71-0280 LF Lining 15" Pipe With Rib Loc	75.49	
<i>For >500 To 1,000, Deduct</i>	-1.79	
<i>For >1,000 To 2,000, Deduct</i>	-3.51	
<i>For >2,000 To 5,000, Deduct</i>	-5.37	
<i>For >5,000, Deduct</i>	-8.25	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0281 LF Lining 18" Pipe With Rib Loc.....	96.96	
For >500 To 1,000, Deduct	-2.26	
For >1,000 To 2,000, Deduct	-4.43	
For >2,000 To 5,000, Deduct	-6.77	
For >5,000, Deduct	-10.49	
33 01 30 71-0282 LF Lining 21" Pipe With Rib Loc.....	121.25	
For >500 To 1,000, Deduct	-2.77	
For >1,000 To 2,000, Deduct	-5.45	
For >2,000 To 5,000, Deduct	-8.31	
For >5,000, Deduct	-12.98	
33 01 30 71-0283 LF Lining 24" Pipe With Rib Loc.....	149.57	
For >500 To 1,000, Deduct	-3.37	
For >1,000 To 2,000, Deduct	-6.64	
For >2,000 To 5,000, Deduct	-10.10	
For >5,000, Deduct	-15.89	
33 01 30 71-0284 LF Lining 27" Pipe With Rib Loc.....	178.83	
For >500 To 1,000, Deduct	-3.99	
For >1,000 To 2,000, Deduct	-7.87	
For >2,000 To 5,000, Deduct	-11.97	
For >5,000, Deduct	-18.91	
33 01 30 71-0285 LF Lining 30" Pipe With Rib Loc.....	211.88	
For >500 To 1,000, Deduct	-4.70	
For >1,000 To 2,000, Deduct	-9.28	
For >2,000 To 5,000, Deduct	-14.09	
For >5,000, Deduct	-22.33	
33 01 30 71-0286 LF Lining 36" Pipe With Rib Loc.....	269.53	
For >500 To 1,000, Deduct	-5.91	
For >1,000 To 2,000, Deduct	-11.68	
For >2,000 To 5,000, Deduct	-17.72	
For >5,000, Deduct	-28.24	
33 01 30 71-0287 LF Lining 42" Pipe With Rib Loc.....	335.19	
For >500 To 1,000, Deduct	-7.29	
For >1,000 To 2,000, Deduct	-14.44	
For >2,000 To 5,000, Deduct	-21.88	
For >5,000, Deduct	-34.99	
33 01 30 71-0288 LF Lining 48" Pipe With Rib Loc.....	409.97	
For >500 To 1,000, Deduct	-8.89	
For >1,000 To 2,000, Deduct	-17.60	
For >2,000 To 5,000, Deduct	-26.66	
For >5,000, Deduct	-42.72	
33 01 30 71-0289 LF Lining 54" Pipe With Rib Loc.....	484.92	
For >500 To 1,000, Deduct	-10.52	
For >1,000 To 2,000, Deduct	-20.84	
For >2,000 To 5,000, Deduct	-31.57	
For >5,000, Deduct	-50.55	
33 01 30 71-0290 LF Lining 60" Pipe With Rib Loc.....	573.87	
For >500 To 1,000, Deduct	-12.60	
For >1,000 To 2,000, Deduct	-24.92	
For >2,000 To 5,000, Deduct	-37.81	
For >5,000, Deduct	-60.20	
33 01 30 71-0291 LF Lining 66" Pipe With Rib Loc.....	686.25	
For >500 To 1,000, Deduct	-15.49	
For >1,000 To 2,000, Deduct	-30.54	
For >2,000 To 5,000, Deduct	-46.48	
For >5,000, Deduct	-73.04	
33 01 30 71-0292 LF Lining 72" Pipe With Rib Loc.....	839.48	
For >500 To 1,000, Deduct	-19.88	
For >1,000 To 2,000, Deduct	-38.99	
For >2,000 To 5,000, Deduct	-59.65	
For >5,000, Deduct	-91.68	
33 01 30 71-0293 Laterals; Cutting, Grouting And Reinstatement (33 01 30 71-0001)		
33 01 30 71-0294 Lateral Reinstatement/Reconnection (33 01 30 71-0293)		
33 01 30 71-0295 EA Cut Liner For Laterals, 4" (Robotic)	419.34	
33 01 30 71-0296 EA Cut Liner For Laterals, 6" (Robotic)	453.35	
33 01 30 71-0297 EA Cut Liner For Laterals, 8" (Robotic)	481.68	
33 01 30 71-0298 EA Cut Liner For Laterals, 10" (Robotic).....	510.01	
33 01 30 71-0299 EA Cut Liner For Laterals, 12" (Robotic).....	538.35	
33 01 30 71-0300 Grout Lateral Service (33 01 30 71-0293)		
33 01 30 71-0301 Grout Lateral Service - Bladder (33 01 30 71-0300)		
33 01 30 71-0302 EA Grout 4" Lateral Service - Bladder	445.61	
33 01 30 71-0303 EA Grout 6" Lateral Service - Bladder	508.76	
33 01 30 71-0304 EA Grout 8" Lateral Service - Bladder	571.93	
33 01 30 71-0305 Grout Lateral Service - Robotic Trowel Application (33 01 30 71-0300)		
33 01 30 71-0306 EA Grout 4" To 8" Lateral Service - Robotic Trowel Application.....	482.16	
33 01 30 71-0307 EA Grout 10" To 12" Lateral Service - Robotic Trowel Application.....	518.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0308 Lateral T-Liner <small>(33 01 30 71-0293)</small> Note: As manufactured by LMK.		
33 01 30 71-0309 EA 4" Lateral T-Liner	560.61	
33 01 30 71-0310 EA 6" Lateral T-Liner	622.66	
33 01 30 71-0311 EA 8" Lateral T-Liner	718.93	
33 01 30 71-0312 Lining Lateral Pipe <small>(33 01 30 71-0293)</small>		
33 01 30 71-0313 Lining Lateral Pipe <small>(33 01 30 71-0312)</small>		
33 01 30 71-0314 LF 6mm Lining 4" To 6" Lateral Pipe With Cured In-Place Pipe (CIPP).....	35.33	
For 7.5mm, Add	4.42	
For 9 mm, Add	8.93	
33 01 30 71-0315 Lining Pipe, Spray Applied With Structural Polyurethane <small>(33 01 30 71-0001)</small> Note: Two part structural polyurethane.		
33 01 30 71-0316 Mobilization And Setup For Spray Applied Structural Polyurethane Lining <small>(33 01 30 71-0315)</small>		
33 01 30 71-0317 EA Initial Set Up And Final Equipment Removal For Spray Applied Structural Polyurethane Lining.....	1,458.53	
33 01 30 71-0318 Lining Pipe, Spray Applied With 100 mil Structural Polyurethane <small>(33 01 30 71-0315)</small> Note: Two part structural polyurethane.		
33 01 30 71-0319 LF 36" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane.....	37.41	
For Up To 75, Add	8.27	
For >75 To 150, Add	3.74	
For >500 To 1,000, Deduct	-1.06	
For >1,000 To 2,000, Deduct	-2.05	
For >2,000 To 5,000, Deduct	-3.19	
For >5,000, Deduct	-4.53	
33 01 30 71-0320 LF 42" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane.....	43.64	
For Up To 75, Add	9.65	
For >75 To 150, Add	4.36	
For >500 To 1,000, Deduct	-1.24	
For >1,000 To 2,000, Deduct	-2.39	
For >2,000 To 5,000, Deduct	-3.72	
For >5,000, Deduct	-5.28	
33 01 30 71-0321 LF 48" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane.....	49.88	
For Up To 75, Add	11.03	
For >75 To 150, Add	4.99	
For >500 To 1,000, Deduct	-1.42	
For >1,000 To 2,000, Deduct	-2.73	
For >2,000 To 5,000, Deduct	-4.25	
For >5,000, Deduct	-6.04	
33 01 30 71-0322 LF 54" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane.....	56.12	
For Up To 75, Add	12.40	
For >75 To 150, Add	5.61	
For >500 To 1,000, Deduct	-1.59	
For >1,000 To 2,000, Deduct	-3.07	
For >2,000 To 5,000, Deduct	-4.78	
For >5,000, Deduct	-6.79	
33 01 30 71-0323 LF 60" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane.....	62.35	
For Up To 75, Add	13.78	
For >75 To 150, Add	6.24	
For >500 To 1,000, Deduct	-1.77	
For >1,000 To 2,000, Deduct	-3.41	
For >2,000 To 5,000, Deduct	-5.31	
For >5,000, Deduct	-7.55	
33 01 30 71-0324 LF 66" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane.....	68.58	
For Up To 75, Add	15.16	
For >75 To 150, Add	6.86	
For >500 To 1,000, Deduct	-1.95	
For >1,000 To 2,000, Deduct	-3.75	
For >2,000 To 5,000, Deduct	-5.85	
For >5,000, Deduct	-8.30	
33 01 30 71-0325 LF 72" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane.....	74.83	
For Up To 75, Add	16.54	
For >75 To 150, Add	7.48	
For >500 To 1,000, Deduct	-2.13	
For >1,000 To 2,000, Deduct	-4.09	
For >2,000 To 5,000, Deduct	-6.38	
For >5,000, Deduct	-9.06	
33 01 30 71-0326 LF 78" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane.....	81.05	
For Up To 75, Add	17.91	
For >75 To 150, Add	8.11	
For >500 To 1,000, Deduct	-2.30	
For >1,000 To 2,000, Deduct	-4.43	
For >2,000 To 5,000, Deduct	-6.91	
For >5,000, Deduct	-9.81	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0327 LF 84" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	87.29	
For Up To 75, Add	19.29	
For >75 To 150, Add	8.73	
For >500 To 1,000, Deduct	-2.48	
For >1,000 To 2,000, Deduct	-4.78	
For >2,000 To 5,000, Deduct	-7.44	
For >5,000, Deduct	-10.56	
33 01 30 71-0328 LF 90" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	93.52	
For Up To 75, Add	20.67	
For >75 To 150, Add	9.35	
For >500 To 1,000, Deduct	-2.66	
For >1,000 To 2,000, Deduct	-5.12	
For >2,000 To 5,000, Deduct	-7.97	
For >5,000, Deduct	-11.32	
33 01 30 71-0329 LF 96" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	99.76	
For Up To 75, Add	22.05	
For >75 To 150, Add	9.98	
For >500 To 1,000, Deduct	-2.83	
For >1,000 To 2,000, Deduct	-5.46	
For >2,000 To 5,000, Deduct	-8.50	
For >5,000, Deduct	-12.07	
33 01 30 71-0330 LF 102" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	106.00	
For Up To 75, Add	23.43	
For >75 To 150, Add	10.60	
For >500 To 1,000, Deduct	-3.01	
For >1,000 To 2,000, Deduct	-5.80	
For >2,000 To 5,000, Deduct	-9.03	
For >5,000, Deduct	-12.83	
33 01 30 71-0331 LF 108" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	112.22	
For Up To 75, Add	24.80	
For >75 To 150, Add	11.22	
For >500 To 1,000, Deduct	-3.19	
For >1,000 To 2,000, Deduct	-6.14	
For >2,000 To 5,000, Deduct	-9.56	
For >5,000, Deduct	-13.58	
33 01 30 71-0332 LF 114" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	118.47	
For Up To 75, Add	26.19	
For >75 To 150, Add	11.85	
For >500 To 1,000, Deduct	-3.37	
For >1,000 To 2,000, Deduct	-6.48	
For >2,000 To 5,000, Deduct	-10.10	
For >5,000, Deduct	-14.34	
33 01 30 71-0333 LF 120" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	124.70	
For Up To 75, Add	27.56	
For >75 To 150, Add	12.47	
For >500 To 1,000, Deduct	-3.54	
For >1,000 To 2,000, Deduct	-6.82	
For >2,000 To 5,000, Deduct	-10.63	
For >5,000, Deduct	-15.09	
33 01 30 71-0334 SF Structure Lining, Spray Applied With 100 mil Structural Polyurethane.....	3.97	
33 01 30 71-0335 Lining Pipe, Spray Applied With 150 mil Structural Polyurethane (33 01 30 71-0315)		
Note: Two part structural polyurethane.		
33 01 30 71-0336 LF 36" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	49.11	
For Up To 75, Add	10.65	
For >75 To 150, Add	4.91	
For >500 To 1,000, Deduct	-1.31	
For >1,000 To 2,000, Deduct	-2.54	
For >2,000 To 5,000, Deduct	-3.94	
For >5,000, Deduct	-5.74	
33 01 30 71-0337 LF 42" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	57.28	
For Up To 75, Add	12.42	
For >75 To 150, Add	5.73	
For >500 To 1,000, Deduct	-1.53	
For >1,000 To 2,000, Deduct	-2.97	
For >2,000 To 5,000, Deduct	-4.60	
For >5,000, Deduct	-6.69	
33 01 30 71-0338 LF 48" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	65.46	
For Up To 75, Add	14.20	
For >75 To 150, Add	6.55	
For >500 To 1,000, Deduct	-1.75	
For >1,000 To 2,000, Deduct	-3.39	
For >2,000 To 5,000, Deduct	-5.25	
For >5,000, Deduct	-7.65	
33 01 30 71-0339 LF 54" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	73.65	
For Up To 75, Add	15.97	
For >75 To 150, Add	7.37	
For >500 To 1,000, Deduct	-1.97	
For >1,000 To 2,000, Deduct	-3.82	
For >2,000 To 5,000, Deduct	-5.91	
For >5,000, Deduct	-8.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0340 LF 60" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	81.83	
<i>For Up To 75, Add</i>	17.75	
<i>For >75 To 150, Add</i>	8.18	
<i>For >500 To 1,000, Deduct</i>	-2.19	
<i>For >1,000 To 2,000, Deduct</i>	-4.24	
<i>For >2,000 To 5,000, Deduct</i>	-6.57	
<i>For >5,000, Deduct</i>	-9.56	
33 01 30 71-0341 LF 66" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	90.01	
<i>For Up To 75, Add</i>	19.52	
<i>For >75 To 150, Add</i>	9.00	
<i>For >500 To 1,000, Deduct</i>	-2.41	
<i>For >1,000 To 2,000, Deduct</i>	-4.66	
<i>For >2,000 To 5,000, Deduct</i>	-7.22	
<i>For >5,000, Deduct</i>	-10.52	
33 01 30 71-0342 LF 72" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	98.19	
<i>For Up To 75, Add</i>	21.29	
<i>For >75 To 150, Add</i>	9.82	
<i>For >500 To 1,000, Deduct</i>	-2.63	
<i>For >1,000 To 2,000, Deduct</i>	-5.09	
<i>For >2,000 To 5,000, Deduct</i>	-7.88	
<i>For >5,000, Deduct</i>	-11.48	
33 01 30 71-0343 LF 78" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	106.38	
<i>For Up To 75, Add</i>	23.07	
<i>For >75 To 150, Add</i>	10.64	
<i>For >500 To 1,000, Deduct</i>	-2.85	
<i>For >1,000 To 2,000, Deduct</i>	-5.51	
<i>For >2,000 To 5,000, Deduct</i>	-8.54	
<i>For >5,000, Deduct</i>	-12.43	
33 01 30 71-0344 LF 84" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	114.56	
<i>For Up To 75, Add</i>	24.84	
<i>For >75 To 150, Add</i>	11.46	
<i>For >500 To 1,000, Deduct</i>	-3.06	
<i>For >1,000 To 2,000, Deduct</i>	-5.93	
<i>For >2,000 To 5,000, Deduct</i>	-9.19	
<i>For >5,000, Deduct</i>	-13.39	
33 01 30 71-0345 LF 90" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	122.74	
<i>For Up To 75, Add</i>	26.62	
<i>For >75 To 150, Add</i>	12.27	
<i>For >500 To 1,000, Deduct</i>	-3.28	
<i>For >1,000 To 2,000, Deduct</i>	-6.36	
<i>For >2,000 To 5,000, Deduct</i>	-9.85	
<i>For >5,000, Deduct</i>	-14.34	
33 01 30 71-0346 LF 96" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	130.94	
<i>For Up To 75, Add</i>	28.40	
<i>For >75 To 150, Add</i>	13.09	
<i>For >500 To 1,000, Deduct</i>	-3.50	
<i>For >1,000 To 2,000, Deduct</i>	-6.78	
<i>For >2,000 To 5,000, Deduct</i>	-10.51	
<i>For >5,000, Deduct</i>	-15.30	
33 01 30 71-0347 LF 102" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	139.11	
<i>For Up To 75, Add</i>	30.17	
<i>For >75 To 150, Add</i>	13.91	
<i>For >500 To 1,000, Deduct</i>	-3.72	
<i>For >1,000 To 2,000, Deduct</i>	-7.21	
<i>For >2,000 To 5,000, Deduct</i>	-11.16	
<i>For >5,000, Deduct</i>	-16.26	
33 01 30 71-0348 LF 108" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	147.30	
<i>For Up To 75, Add</i>	31.94	
<i>For >75 To 150, Add</i>	14.73	
<i>For >500 To 1,000, Deduct</i>	-3.94	
<i>For >1,000 To 2,000, Deduct</i>	-7.63	
<i>For >2,000 To 5,000, Deduct</i>	-11.82	
<i>For >5,000, Deduct</i>	-17.21	
33 01 30 71-0349 LF 114" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	155.47	
<i>For Up To 75, Add</i>	33.72	
<i>For >75 To 150, Add</i>	15.55	
<i>For >500 To 1,000, Deduct</i>	-4.16	
<i>For >1,000 To 2,000, Deduct</i>	-8.05	
<i>For >2,000 To 5,000, Deduct</i>	-12.47	
<i>For >5,000, Deduct</i>	-18.17	
33 01 30 71-0350 LF 120" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	163.67	
<i>For Up To 75, Add</i>	35.49	
<i>For >75 To 150, Add</i>	16.37	
<i>For >500 To 1,000, Deduct</i>	-4.38	
<i>For >1,000 To 2,000, Deduct</i>	-8.48	
<i>For >2,000 To 5,000, Deduct</i>	-13.13	
<i>For >5,000, Deduct</i>	-19.13	
33 01 30 71-0351 SF Structure Lining, Spray Applied With 150 mil Structural Polyurethane	5.20	

33 01 30 71-0352 Lining Pipe, Spray Applied With 200 mil Structural Polyurethane (33 01 30 71-0315)
 Note: Two part structural polyurethane.

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0353 LF 36" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	60.79	
For Up To 75, Add	13.03	
For >75 To 150, Add	6.08	
For >500 To 1,000, Deduct	-1.56	
For >1,000 To 2,000, Deduct	-3.04	
For >2,000 To 5,000, Deduct	-4.69	
For >5,000, Deduct	-6.95	
33 01 30 71-0354 LF 42" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	70.91	
For Up To 75, Add	15.20	
For >75 To 150, Add	7.09	
For >500 To 1,000, Deduct	-1.82	
For >1,000 To 2,000, Deduct	-3.55	
For >2,000 To 5,000, Deduct	-5.47	
For >5,000, Deduct	-8.11	
33 01 30 71-0355 LF 48" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	81.06	
For Up To 75, Add	17.37	
For >75 To 150, Add	8.11	
For >500 To 1,000, Deduct	-2.09	
For >1,000 To 2,000, Deduct	-4.06	
For >2,000 To 5,000, Deduct	-6.26	
For >5,000, Deduct	-9.27	
33 01 30 71-0356 LF 54" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	91.18	
For Up To 75, Add	19.54	
For >75 To 150, Add	9.12	
For >500 To 1,000, Deduct	-2.35	
For >1,000 To 2,000, Deduct	-4.56	
For >2,000 To 5,000, Deduct	-7.04	
For >5,000, Deduct	-10.43	
33 01 30 71-0357 LF 60" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	101.31	
For Up To 75, Add	21.71	
For >75 To 150, Add	10.13	
For >500 To 1,000, Deduct	-2.61	
For >1,000 To 2,000, Deduct	-5.07	
For >2,000 To 5,000, Deduct	-7.82	
For >5,000, Deduct	-11.58	
33 01 30 71-0358 LF 66" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	111.44	
For Up To 75, Add	23.89	
For >75 To 150, Add	11.14	
For >500 To 1,000, Deduct	-2.87	
For >1,000 To 2,000, Deduct	-5.58	
For >2,000 To 5,000, Deduct	-8.60	
For >5,000, Deduct	-12.74	
33 01 30 71-0359 LF 72" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	121.57	
For Up To 75, Add	26.06	
For >75 To 150, Add	12.16	
For >500 To 1,000, Deduct	-3.13	
For >1,000 To 2,000, Deduct	-6.08	
For >2,000 To 5,000, Deduct	-9.39	
For >5,000, Deduct	-13.90	
33 01 30 71-0360 LF 78" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	131.71	
For Up To 75, Add	28.23	
For >75 To 150, Add	13.17	
For >500 To 1,000, Deduct	-3.39	
For >1,000 To 2,000, Deduct	-6.59	
For >2,000 To 5,000, Deduct	-10.17	
For >5,000, Deduct	-15.06	
33 01 30 71-0361 LF 84" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	141.84	
For Up To 75, Add	30.40	
For >75 To 150, Add	14.18	
For >500 To 1,000, Deduct	-3.65	
For >1,000 To 2,000, Deduct	-7.10	
For >2,000 To 5,000, Deduct	-10.95	
For >5,000, Deduct	-16.22	
33 01 30 71-0362 LF 90" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	151.97	
For Up To 75, Add	32.57	
For >75 To 150, Add	15.20	
For >500 To 1,000, Deduct	-3.91	
For >1,000 To 2,000, Deduct	-7.60	
For >2,000 To 5,000, Deduct	-11.73	
For >5,000, Deduct	-17.38	
33 01 30 71-0363 LF 96" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	162.11	
For Up To 75, Add	34.75	
For >75 To 150, Add	16.21	
For >500 To 1,000, Deduct	-4.17	
For >1,000 To 2,000, Deduct	-8.11	
For >2,000 To 5,000, Deduct	-12.52	
For >5,000, Deduct	-18.54	
33 01 30 71-0364 LF 102" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	172.24	
For Up To 75, Add	36.92	
For >75 To 150, Add	17.22	
For >500 To 1,000, Deduct	-4.43	
For >1,000 To 2,000, Deduct	-8.62	
For >2,000 To 5,000, Deduct	-13.30	
For >5,000, Deduct	-19.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0365 LF 108" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	182.37	
<i>For Up To 75, Add</i>	39.09	
<i>For >75 To 150, Add</i>	18.24	
<i>For >500 To 1,000, Deduct</i>	-4.69	
<i>For >1,000 To 2,000, Deduct</i>	-9.13	
<i>For >2,000 To 5,000, Deduct</i>	-14.08	
<i>For >5,000, Deduct</i>	-20.85	
33 01 30 71-0366 LF 114" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	192.50	
<i>For Up To 75, Add</i>	41.26	
<i>For >75 To 150, Add</i>	19.25	
<i>For >500 To 1,000, Deduct</i>	-4.95	
<i>For >1,000 To 2,000, Deduct</i>	-9.63	
<i>For >2,000 To 5,000, Deduct</i>	-14.86	
<i>For >5,000, Deduct</i>	-22.01	
33 01 30 71-0367 LF 120" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	202.63	
<i>For Up To 75, Add</i>	43.43	
<i>For >75 To 150, Add</i>	20.26	
<i>For >500 To 1,000, Deduct</i>	-5.21	
<i>For >1,000 To 2,000, Deduct</i>	-10.14	
<i>For >2,000 To 5,000, Deduct</i>	-15.64	
<i>For >5,000, Deduct</i>	-23.17	
33 01 30 71-0368 SF Structure Lining, Spray Applied With 200 mil Structural Polyurethane	6.45	
33 01 30 71-0369 Lining Pipe, Spray Applied With 250 mil Structural Polyurethane <small>(33 01 30 71-0315)</small>		
Note: Two part structural polyurethane.		
33 01 30 71-0370 LF 36" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	72.54	
<i>For Up To 75, Add</i>	15.43	
<i>For >75 To 150, Add</i>	7.25	
<i>For >500 To 1,000, Deduct</i>	-1.82	
<i>For >1,000 To 2,000, Deduct</i>	-3.54	
<i>For >2,000 To 5,000, Deduct</i>	-5.45	
<i>For >5,000, Deduct</i>	-8.17	
33 01 30 71-0371 LF 42" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	84.64	
<i>For Up To 75, Add</i>	18.00	
<i>For >75 To 150, Add</i>	8.46	
<i>For >500 To 1,000, Deduct</i>	-2.12	
<i>For >1,000 To 2,000, Deduct</i>	-4.13	
<i>For >2,000 To 5,000, Deduct</i>	-6.36	
<i>For >5,000, Deduct</i>	-9.53	
33 01 30 71-0372 LF 48" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	96.73	
<i>For Up To 75, Add</i>	20.57	
<i>For >75 To 150, Add</i>	9.67	
<i>For >500 To 1,000, Deduct</i>	-2.42	
<i>For >1,000 To 2,000, Deduct</i>	-4.73	
<i>For >2,000 To 5,000, Deduct</i>	-7.27	
<i>For >5,000, Deduct</i>	-10.90	
33 01 30 71-0373 LF 54" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	108.82	
<i>For Up To 75, Add</i>	23.14	
<i>For >75 To 150, Add</i>	10.88	
<i>For >500 To 1,000, Deduct</i>	-2.73	
<i>For >1,000 To 2,000, Deduct</i>	-5.32	
<i>For >2,000 To 5,000, Deduct</i>	-8.18	
<i>For >5,000, Deduct</i>	-12.26	
33 01 30 71-0374 LF 60" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	120.90	
<i>For Up To 75, Add</i>	25.71	
<i>For >75 To 150, Add</i>	12.09	
<i>For >500 To 1,000, Deduct</i>	-3.03	
<i>For >1,000 To 2,000, Deduct</i>	-5.91	
<i>For >2,000 To 5,000, Deduct</i>	-9.09	
<i>For >5,000, Deduct</i>	-13.62	
33 01 30 71-0375 LF 66" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	133.00	
<i>For Up To 75, Add</i>	28.28	
<i>For >75 To 150, Add</i>	13.30	
<i>For >500 To 1,000, Deduct</i>	-3.33	
<i>For >1,000 To 2,000, Deduct</i>	-6.50	
<i>For >2,000 To 5,000, Deduct</i>	-10.00	
<i>For >5,000, Deduct</i>	-14.98	
33 01 30 71-0376 LF 72" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	145.09	
<i>For Up To 75, Add</i>	30.85	
<i>For >75 To 150, Add</i>	14.51	
<i>For >500 To 1,000, Deduct</i>	-3.64	
<i>For >1,000 To 2,000, Deduct</i>	-7.09	
<i>For >2,000 To 5,000, Deduct</i>	-10.91	
<i>For >5,000, Deduct</i>	-16.34	
33 01 30 71-0377 LF 78" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	157.18	
<i>For Up To 75, Add</i>	33.42	
<i>For >75 To 150, Add</i>	15.72	
<i>For >500 To 1,000, Deduct</i>	-3.94	
<i>For >1,000 To 2,000, Deduct</i>	-7.68	
<i>For >2,000 To 5,000, Deduct</i>	-11.82	
<i>For >5,000, Deduct</i>	-17.71	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0378 LF 84" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	169.27	
For Up To 75, Add	36.00	
For >75 To 150, Add	16.93	
For >500 To 1,000, Deduct	-4.24	
For >1,000 To 2,000, Deduct	-8.27	
For >2,000 To 5,000, Deduct	-12.73	
For >5,000, Deduct	-19.07	
33 01 30 71-0379 LF 90" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	181.37	
For Up To 75, Add	38.57	
For >75 To 150, Add	18.14	
For >500 To 1,000, Deduct	-4.55	
For >1,000 To 2,000, Deduct	-8.86	
For >2,000 To 5,000, Deduct	-13.64	
For >5,000, Deduct	-20.43	
33 01 30 71-0380 LF 96" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	193.46	
For Up To 75, Add	41.14	
For >75 To 150, Add	19.35	
For >500 To 1,000, Deduct	-4.85	
For >1,000 To 2,000, Deduct	-9.45	
For >2,000 To 5,000, Deduct	-14.54	
For >5,000, Deduct	-21.79	
33 01 30 71-0381 LF 102" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	205.53	
For Up To 75, Add	43.71	
For >75 To 150, Add	20.55	
For >500 To 1,000, Deduct	-5.15	
For >1,000 To 2,000, Deduct	-10.04	
For >2,000 To 5,000, Deduct	-15.45	
For >5,000, Deduct	-23.15	
33 01 30 71-0382 LF 108" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	217.63	
For Up To 75, Add	46.28	
For >75 To 150, Add	21.76	
For >500 To 1,000, Deduct	-5.45	
For >1,000 To 2,000, Deduct	-10.63	
For >2,000 To 5,000, Deduct	-16.36	
For >5,000, Deduct	-24.52	
33 01 30 71-0383 LF 114" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	229.73	
For Up To 75, Add	48.85	
For >75 To 150, Add	22.97	
For >500 To 1,000, Deduct	-5.76	
For >1,000 To 2,000, Deduct	-11.22	
For >2,000 To 5,000, Deduct	-17.27	
For >5,000, Deduct	-25.88	
33 01 30 71-0384 LF 120" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	241.82	
For Up To 75, Add	51.42	
For >75 To 150, Add	24.18	
For >500 To 1,000, Deduct	-6.06	
For >1,000 To 2,000, Deduct	-11.81	
For >2,000 To 5,000, Deduct	-18.18	
For >5,000, Deduct	-27.24	
33 01 30 71-0385 SF Structure Lining, Spray Applied With 250 mil Structural Polyurethane.....	7.70	
33 01 30 71-0386 Lining Pipe, Spray Applied With 300 mil Structural Polyurethane (33 01 30 71-0315)		
Note: Two part structural polyurethane.		
33 01 30 71-0387 LF 36" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	84.39	
For Up To 75, Add	17.84	
For >75 To 150, Add	8.44	
For >500 To 1,000, Deduct	-2.07	
For >1,000 To 2,000, Deduct	-4.05	
For >2,000 To 5,000, Deduct	-6.22	
For >5,000, Deduct	-9.41	
33 01 30 71-0388 LF 42" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	98.46	
For Up To 75, Add	20.82	
For >75 To 150, Add	9.85	
For >500 To 1,000, Deduct	-2.42	
For >1,000 To 2,000, Deduct	-4.73	
For >2,000 To 5,000, Deduct	-7.26	
For >5,000, Deduct	-10.97	
33 01 30 71-0389 LF 48" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	112.53	
For Up To 75, Add	23.79	
For >75 To 150, Add	11.25	
For >500 To 1,000, Deduct	-2.77	
For >1,000 To 2,000, Deduct	-5.40	
For >2,000 To 5,000, Deduct	-8.30	
For >5,000, Deduct	-12.54	
33 01 30 71-0390 LF 54" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	126.59	
For Up To 75, Add	26.77	
For >75 To 150, Add	12.66	
For >500 To 1,000, Deduct	-3.11	
For >1,000 To 2,000, Deduct	-6.08	
For >2,000 To 5,000, Deduct	-9.33	
For >5,000, Deduct	-14.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0391 LF 60" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	140.65	
<i>For Up To 75, Add</i>	29.74	
<i>For >75 To 150, Add</i>	14.07	
<i>For >500 To 1,000, Deduct</i>	-3.46	
<i>For >1,000 To 2,000, Deduct</i>	-6.75	
<i>For >2,000 To 5,000, Deduct</i>	-10.37	
<i>For >5,000, Deduct</i>	-15.67	
33 01 30 71-0392 LF 66" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	154.72	
<i>For Up To 75, Add</i>	32.72	
<i>For >75 To 150, Add</i>	15.47	
<i>For >500 To 1,000, Deduct</i>	-3.80	
<i>For >1,000 To 2,000, Deduct</i>	-7.43	
<i>For >2,000 To 5,000, Deduct</i>	-11.41	
<i>For >5,000, Deduct</i>	-17.24	
33 01 30 71-0393 LF 72" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	168.78	
<i>For Up To 75, Add</i>	35.69	
<i>For >75 To 150, Add</i>	16.88	
<i>For >500 To 1,000, Deduct</i>	-4.15	
<i>For >1,000 To 2,000, Deduct</i>	-8.10	
<i>For >2,000 To 5,000, Deduct</i>	-12.44	
<i>For >5,000, Deduct</i>	-18.81	
33 01 30 71-0394 LF 78" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	182.84	
<i>For Up To 75, Add</i>	38.66	
<i>For >75 To 150, Add</i>	18.28	
<i>For >500 To 1,000, Deduct</i>	-4.49	
<i>For >1,000 To 2,000, Deduct</i>	-8.78	
<i>For >2,000 To 5,000, Deduct</i>	-13.48	
<i>For >5,000, Deduct</i>	-20.38	
33 01 30 71-0395 LF 84" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	196.90	
<i>For Up To 75, Add</i>	41.63	
<i>For >75 To 150, Add</i>	19.69	
<i>For >500 To 1,000, Deduct</i>	-4.84	
<i>For >1,000 To 2,000, Deduct</i>	-9.45	
<i>For >2,000 To 5,000, Deduct</i>	-14.52	
<i>For >5,000, Deduct</i>	-21.94	
33 01 30 71-0396 LF 90" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	210.98	
<i>For Up To 75, Add</i>	44.61	
<i>For >75 To 150, Add</i>	21.10	
<i>For >500 To 1,000, Deduct</i>	-5.19	
<i>For >1,000 To 2,000, Deduct</i>	-10.13	
<i>For >2,000 To 5,000, Deduct</i>	-15.56	
<i>For >5,000, Deduct</i>	-23.51	
33 01 30 71-0397 LF 96" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	225.03	
<i>For Up To 75, Add</i>	47.58	
<i>For >75 To 150, Add</i>	22.50	
<i>For >500 To 1,000, Deduct</i>	-5.53	
<i>For >1,000 To 2,000, Deduct</i>	-10.80	
<i>For >2,000 To 5,000, Deduct</i>	-16.59	
<i>For >5,000, Deduct</i>	-25.08	
33 01 30 71-0398 LF 102" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	239.11	
<i>For Up To 75, Add</i>	50.56	
<i>For >75 To 150, Add</i>	23.91	
<i>For >500 To 1,000, Deduct</i>	-5.88	
<i>For >1,000 To 2,000, Deduct</i>	-11.48	
<i>For >2,000 To 5,000, Deduct</i>	-17.63	
<i>For >5,000, Deduct</i>	-26.65	
33 01 30 71-0399 LF 108" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	253.16	
<i>For Up To 75, Add</i>	53.53	
<i>For >75 To 150, Add</i>	25.32	
<i>For >500 To 1,000, Deduct</i>	-6.22	
<i>For >1,000 To 2,000, Deduct</i>	-12.15	
<i>For >2,000 To 5,000, Deduct</i>	-18.67	
<i>For >5,000, Deduct</i>	-28.21	
33 01 30 71-0400 LF 114" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	267.24	
<i>For Up To 75, Add</i>	56.51	
<i>For >75 To 150, Add</i>	26.72	
<i>For >500 To 1,000, Deduct</i>	-6.57	
<i>For >1,000 To 2,000, Deduct</i>	-12.83	
<i>For >2,000 To 5,000, Deduct</i>	-19.70	
<i>For >5,000, Deduct</i>	-29.78	
33 01 30 71-0401 LF 120" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	281.29	
<i>For Up To 75, Add</i>	59.48	
<i>For >75 To 150, Add</i>	28.13	
<i>For >500 To 1,000, Deduct</i>	-6.91	
<i>For >1,000 To 2,000, Deduct</i>	-13.50	
<i>For >2,000 To 5,000, Deduct</i>	-20.74	
<i>For >5,000, Deduct</i>	-31.35	
33 01 30 71-0402 SF Structure Lining, Spray Applied With 300 mil Structural Polyurethane	8.95	

33 01 30 71-0403 Lining Pipe, Spray Applied With 400 mil Structural Polyurethane (33 01 30 71-0315)
 Note: Two part structural polyurethane.

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0404 LF 36" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	108.17	
For Up To 75, Add	22.71	
For >75 To 150, Add	10.82	
For >500 To 1,000, Deduct	-2.59	
For >1,000 To 2,000, Deduct	-5.08	
For >2,000 To 5,000, Deduct	-7.78	
For >5,000, Deduct	-11.89	
33 01 30 71-0405 LF 42" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	126.20	
For Up To 75, Add	26.49	
For >75 To 150, Add	12.62	
For >500 To 1,000, Deduct	-3.02	
For >1,000 To 2,000, Deduct	-5.92	
For >2,000 To 5,000, Deduct	-9.07	
For >5,000, Deduct	-13.87	
33 01 30 71-0406 LF 48" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	144.23	
For Up To 75, Add	30.28	
For >75 To 150, Add	14.42	
For >500 To 1,000, Deduct	-3.46	
For >1,000 To 2,000, Deduct	-6.77	
For >2,000 To 5,000, Deduct	-10.37	
For >5,000, Deduct	-15.85	
33 01 30 71-0407 LF 54" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	162.26	
For Up To 75, Add	34.06	
For >75 To 150, Add	16.23	
For >500 To 1,000, Deduct	-3.89	
For >1,000 To 2,000, Deduct	-7.62	
For >2,000 To 5,000, Deduct	-11.67	
For >5,000, Deduct	-17.84	
33 01 30 71-0408 LF 60" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	180.29	
For Up To 75, Add	37.85	
For >75 To 150, Add	18.03	
For >500 To 1,000, Deduct	-4.32	
For >1,000 To 2,000, Deduct	-8.46	
For >2,000 To 5,000, Deduct	-12.96	
For >5,000, Deduct	-19.82	
33 01 30 71-0409 LF 66" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	198.32	
For Up To 75, Add	41.63	
For >75 To 150, Add	19.83	
For >500 To 1,000, Deduct	-4.75	
For >1,000 To 2,000, Deduct	-9.31	
For >2,000 To 5,000, Deduct	-14.26	
For >5,000, Deduct	-21.80	
33 01 30 71-0410 LF 72" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	216.34	
For Up To 75, Add	45.41	
For >75 To 150, Add	21.63	
For >500 To 1,000, Deduct	-5.19	
For >1,000 To 2,000, Deduct	-10.16	
For >2,000 To 5,000, Deduct	-15.56	
For >5,000, Deduct	-23.78	
33 01 30 71-0411 LF 78" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	234.38	
For Up To 75, Add	49.20	
For >75 To 150, Add	23.44	
For >500 To 1,000, Deduct	-5.62	
For >1,000 To 2,000, Deduct	-11.00	
For >2,000 To 5,000, Deduct	-16.85	
For >5,000, Deduct	-25.76	
33 01 30 71-0412 LF 84" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	252.40	
For Up To 75, Add	52.98	
For >75 To 150, Add	25.24	
For >500 To 1,000, Deduct	-6.05	
For >1,000 To 2,000, Deduct	-11.85	
For >2,000 To 5,000, Deduct	-18.15	
For >5,000, Deduct	-27.74	
33 01 30 71-0413 LF 90" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	270.43	
For Up To 75, Add	56.77	
For >75 To 150, Add	27.04	
For >500 To 1,000, Deduct	-6.48	
For >1,000 To 2,000, Deduct	-12.69	
For >2,000 To 5,000, Deduct	-19.44	
For >5,000, Deduct	-29.73	
33 01 30 71-0414 LF 96" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	288.46	
For Up To 75, Add	60.55	
For >75 To 150, Add	28.85	
For >500 To 1,000, Deduct	-6.91	
For >1,000 To 2,000, Deduct	-13.54	
For >2,000 To 5,000, Deduct	-20.74	
For >5,000, Deduct	-31.71	
33 01 30 71-0415 LF 102" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	306.49	
For Up To 75, Add	64.34	
For >75 To 150, Add	30.65	
For >500 To 1,000, Deduct	-7.35	
For >1,000 To 2,000, Deduct	-14.39	
For >2,000 To 5,000, Deduct	-22.04	
For >5,000, Deduct	-33.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0416 LF 108" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	324.52	
For Up To 75, Add	68.12	
For >75 To 150, Add	32.45	
For >500 To 1,000, Deduct	-7.78	
For >1,000 To 2,000, Deduct	-15.23	
For >2,000 To 5,000, Deduct	-23.33	
For >5,000, Deduct	-35.67	
33 01 30 71-0417 LF 114" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	342.56	
For Up To 75, Add	71.91	
For >75 To 150, Add	34.26	
For >500 To 1,000, Deduct	-8.21	
For >1,000 To 2,000, Deduct	-16.08	
For >2,000 To 5,000, Deduct	-24.63	
For >5,000, Deduct	-37.65	
33 01 30 71-0418 LF 120" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	360.58	
For Up To 75, Add	75.69	
For >75 To 150, Add	36.06	
For >500 To 1,000, Deduct	-8.64	
For >1,000 To 2,000, Deduct	-16.93	
For >2,000 To 5,000, Deduct	-25.93	
For >5,000, Deduct	-39.64	
33 01 30 71-0419 SF Structure Lining, Spray Applied With 400 mil Structural Polyurethane	11.48	
33 01 30 71-0420 Lining Pipe, Spray Applied With 500 mil Structural Polyurethane <small>(33 01 30 71-0315)</small>		
Note: Two part structural polyurethane.		
33 01 30 71-0421 LF 36" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	132.23	
For Up To 75, Add	27.64	
For >75 To 150, Add	13.22	
For >500 To 1,000, Deduct	-3.12	
For >1,000 To 2,000, Deduct	-6.12	
For >2,000 To 5,000, Deduct	-9.36	
For >5,000, Deduct	-14.42	
33 01 30 71-0422 LF 42" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	154.27	
For Up To 75, Add	32.25	
For >75 To 150, Add	15.43	
For >500 To 1,000, Deduct	-3.64	
For >1,000 To 2,000, Deduct	-7.14	
For >2,000 To 5,000, Deduct	-10.93	
For >5,000, Deduct	-16.82	
33 01 30 71-0423 LF 48" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	176.32	
For Up To 75, Add	36.85	
For >75 To 150, Add	17.63	
For >500 To 1,000, Deduct	-4.16	
For >1,000 To 2,000, Deduct	-8.17	
For >2,000 To 5,000, Deduct	-12.49	
For >5,000, Deduct	-19.22	
33 01 30 71-0424 LF 54" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	198.35	
For Up To 75, Add	41.46	
For >75 To 150, Add	19.84	
For >500 To 1,000, Deduct	-4.68	
For >1,000 To 2,000, Deduct	-9.19	
For >2,000 To 5,000, Deduct	-14.05	
For >5,000, Deduct	-21.62	
33 01 30 71-0425 LF 60" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	220.40	
For Up To 75, Add	46.07	
For >75 To 150, Add	22.04	
For >500 To 1,000, Deduct	-5.20	
For >1,000 To 2,000, Deduct	-10.21	
For >2,000 To 5,000, Deduct	-15.61	
For >5,000, Deduct	-24.03	
33 01 30 71-0426 LF 66" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	242.43	
For Up To 75, Add	50.67	
For >75 To 150, Add	24.24	
For >500 To 1,000, Deduct	-5.72	
For >1,000 To 2,000, Deduct	-11.23	
For >2,000 To 5,000, Deduct	-17.17	
For >5,000, Deduct	-26.43	
33 01 30 71-0427 LF 72" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	264.47	
For Up To 75, Add	55.28	
For >75 To 150, Add	26.45	
For >500 To 1,000, Deduct	-6.24	
For >1,000 To 2,000, Deduct	-12.25	
For >2,000 To 5,000, Deduct	-18.73	
For >5,000, Deduct	-28.83	
33 01 30 71-0428 LF 78" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	286.51	
For Up To 75, Add	59.89	
For >75 To 150, Add	28.65	
For >500 To 1,000, Deduct	-6.76	
For >1,000 To 2,000, Deduct	-13.27	
For >2,000 To 5,000, Deduct	-20.29	
For >5,000, Deduct	-31.23	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0429 LF 84" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	308.55	
For Up To 75, Add	64.49	
For >75 To 150, Add	30.86	
For >500 To 1,000, Deduct	-7.28	
For >1,000 To 2,000, Deduct	-14.29	
For >2,000 To 5,000, Deduct	-21.85	
For >5,000, Deduct	-33.64	
33 01 30 71-0430 LF 90" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	330.58	
For Up To 75, Add	69.10	
For >75 To 150, Add	33.06	
For >500 To 1,000, Deduct	-7.80	
For >1,000 To 2,000, Deduct	-15.31	
For >2,000 To 5,000, Deduct	-23.41	
For >5,000, Deduct	-36.04	
33 01 30 71-0431 LF 96" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	352.63	
For Up To 75, Add	73.71	
For >75 To 150, Add	35.26	
For >500 To 1,000, Deduct	-8.32	
For >1,000 To 2,000, Deduct	-16.33	
For >2,000 To 5,000, Deduct	-24.97	
For >5,000, Deduct	-38.44	
33 01 30 71-0432 LF 102" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	374.67	
For Up To 75, Add	78.31	
For >75 To 150, Add	37.47	
For >500 To 1,000, Deduct	-8.84	
For >1,000 To 2,000, Deduct	-17.35	
For >2,000 To 5,000, Deduct	-26.53	
For >5,000, Deduct	-40.85	
33 01 30 71-0433 LF 108" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	396.71	
For Up To 75, Add	82.92	
For >75 To 150, Add	39.67	
For >500 To 1,000, Deduct	-9.37	
For >1,000 To 2,000, Deduct	-18.37	
For >2,000 To 5,000, Deduct	-28.10	
For >5,000, Deduct	-43.25	
33 01 30 71-0434 LF 114" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	418.74	
For Up To 75, Add	87.52	
For >75 To 150, Add	41.87	
For >500 To 1,000, Deduct	-9.89	
For >1,000 To 2,000, Deduct	-19.39	
For >2,000 To 5,000, Deduct	-29.66	
For >5,000, Deduct	-45.65	
33 01 30 71-0435 LF 120" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	440.79	
For Up To 75, Add	92.13	
For >75 To 150, Add	44.08	
For >500 To 1,000, Deduct	-10.41	
For >1,000 To 2,000, Deduct	-20.41	
For >2,000 To 5,000, Deduct	-31.22	
For >5,000, Deduct	-48.05	
33 01 30 71-0436 SF Structure Lining, Spray Applied With 500 mil Structural Polyurethane.....	14.03	
33 01 30 81 Manhole Rehabilitation (33 01 30)		
33 01 30 81-0001 Restoration And Rehabilitation Of Manholes (33 01 30 81)		
Note: Work is in confined spaces.		
33 01 30 81-0002 Inspection And Ventilation System Set-up (33 01 30 81-0001)		
33 01 30 81-0003 EA Inspect Manhole.....	144.68	
33 01 30 81-0004 EA 36" to 60" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System	8,903.19	
Note: For internal inspection and repair of water mains.		
33 01 30 81-0005 EA >60" to 108" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System	12,549.47	
Note: For internal inspection and repair of water mains		
33 01 30 81-0006 Manhole Seals (33 01 30 81-0001)		
33 01 30 81-0007 Internal Manhole Chimney Seals (33 01 30 81-0006)		
Note: Cretex.		
33 01 30 81-0008 EA 20" Internal Manhole Chimney Seal.....	403.56	
33 01 30 81-0009 EA 22" Internal Manhole Chimney Seal.....	425.38	
33 01 30 81-0010 EA 24" Internal Manhole Chimney Seal.....	436.28	
33 01 30 81-0011 EA 26" Internal Manhole Chimney Seal.....	501.73	
33 01 30 81-0012 EA 28" Internal Manhole Chimney Seal.....	567.17	
33 01 30 81-0013 EA 30" Internal Manhole Chimney Seal.....	632.62	
33 01 30 81-0014 EA 36" Internal Manhole Chimney Seal.....	763.51	
33 01 30 81-0015 External Manhole Encapsulation (33 01 30 81-0006)		
Note: Wrapidseal.		
33 01 30 81-0016 EA 24" External Manhole Encapsulation	588.98	
33 01 30 81-0017 EA 30" External Manhole Encapsulation	621.71	
33 01 30 81-0018 EA 36" External Manhole Encapsulation	665.33	
33 01 30 81-0019 EA 42" External Manhole Encapsulation	719.87	
33 01 30 81-0020 EA 48" External Manhole Encapsulation	796.22	
33 01 30 81-0021 EA 54" External Manhole Encapsulation	883.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 81-0022 EA 60" External Manhole Encapsulation.....	992.55	
33 01 30 81-0023 Manhole Patching <small>(33 01 30 81-0001)</small> Note: Includes removing loose materials and cleaning.		
33 01 30 81-0024 SF Up To 1/4" Thick, Cementitious Grout, Manhole Patching.....	12.96	
33 01 30 81-0025 SF Up To 1/4" Thick, Epoxy Grout, Manhole Patching.....	33.83	
33 01 30 81-0026 Manhole Joint Restoration <small>(33 01 30 81-0001)</small> Note: Includes drilling holes at joints, fill joints with grout.		
33 01 30 81-0027 EA 3' Diameter Joint Restoration, Grout Fill Per Each Manhole..... Note: Includes two (2) joints sections to be grouted and two (2) pipe connections. <i>For Grouting Each Additional Manhole Joint Section, Add</i>	1,495.49 196.65	
33 01 30 81-0028 EA 3-1/2' Diameter Joint Restoration, Grout Fill Per Each Manhole..... Note: Includes two (2) joints sections to be grouted and two (2) pipe connections. <i>For Grouting Each Additional Manhole Joint Section, Add</i>	1,745.69 216.93	
33 01 30 81-0029 EA 4' Diameter Joint Restoration, Grout Fill Per Each Manhole..... Note: Includes two (2) joints sections to be grouted and two (2) pipe connections. <i>For Grouting Each Additional Manhole Joint Section, Add</i>	1,993.98 237.20	
33 01 30 81-0030 EA 5' Diameter Joint Restoration, Grout Fill Per Each Manhole..... Note: Includes two (2) joints sections to be grouted and two (2) pipe connections. <i>For Grouting Each Additional Manhole Joint Section, Add</i>	2,341.36 247.34	
33 01 30 81-0031 EA 6' Diameter Joint Restoration, Grout Fill Per Each Manhole..... Note: Includes two (2) joints sections to be grouted and two (2) pipe connections. <i>For Grouting Each Additional Manhole Joint Section, Add</i>	2,687.79 257.48	
33 01 30 81-0032 Step Installation In Existing Manholes <small>(33 01 30 81-0001)</small> Note: Including drilling in existing concrete manhole, step and grout. Demolition cost includes removal of old step and patching holes.		
33 01 30 81-0033 EA Drill And Grout 8" x 9" Cast Iron Manhole Steps.....	107.09	17.88
33 01 30 81-0034 EA Drill And Grout Galvanized Steel Manhole Step.....	82.57	17.88
33 01 30 81-0035 EA Bolt On Galvanized Steel Manhole Step.....	98.45	17.88
33 01 30 81-0036 EA Drill And Grout Aluminum Manhole Step.....	94.90	17.88
33 01 30 81-0037 EA Drill And Insert Polypropylene Manhole Step.....	49.66	14.30
33 01 30 81-0038 Manhole Penetration Sealing <small>(33 01 30 81-0001)</small> Note: At new pipe connection to manhole.		
33 01 30 81-0039 EA 6" To 12" Opening, Seal New Pipe Connection To Existing Manhole.....	321.97	
33 01 30 81-0040 EA >12" To 22" Opening, Seal New Pipe Connection To Existing Manhole.....	495.39	
33 01 30 81-0041 EA >22" To 36" Opening, Seal New Pipe Connection To Existing Manhole.....	677.09	
33 01 30 81-0042 Invert Restoration <small>(33 01 30 81-0001)</small> Note: Includes removal of existing defective material and installation of new material.		
33 01 30 81-0043 Concrete Invert Restoration <small>(33 01 30 81-0042)</small>		
33 01 30 81-0044 EA 2' Diameter, Concrete Invert Restoration.....	293.26	
33 01 30 81-0045 EA 3' Diameter, Concrete Invert Restoration.....	329.43	
33 01 30 81-0046 EA 4' Diameter, Concrete Invert Restoration.....	365.60	
33 01 30 81-0047 EA 5' Diameter, Concrete Invert Restoration.....	401.77	
33 01 30 81-0048 EA 6' Diameter, Concrete Invert Restoration.....	510.28	
33 01 30 81-0049 SF Square Or Rectangular, Concrete Invert Restoration.....	29.07	
33 01 30 81-0050 Brick Invert Restoration <small>(33 01 30 81-0042)</small>		
33 01 30 81-0051 EA 2' Diameter, Brick Invert Restoration.....	512.85	
33 01 30 81-0052 EA 3' Diameter, Brick Invert Restoration.....	549.01	
33 01 30 81-0053 EA 4' Diameter, Brick Invert Restoration.....	585.19	
33 01 30 81-0054 EA 5' Diameter, Brick Invert Restoration.....	621.36	
33 01 30 81-0055 EA 6' Diameter, Brick Invert Restoration.....	657.53	
33 01 30 81-0056 SF Square Or Rectangular, Brick Invert Restoration.....	40.60	
33 01 30 82 Lining For Concrete Manholes <small>(33 01 30)</small>		
33 01 30 82-0001 Manhole Lining <small>(33 01 30 82)</small> Note: Includes power washing and cleaning of manhole interiors.		
33 01 30 82-0002 Cementitious Manhole Restoration, Interior <small>(33 01 30 82-0001)</small>		
33 01 30 82-0003 VLF 1/2" Cementitious Restoration On 3' Diameter Manhole Interior..... <i>For Each Additional 1/2" Thick Material, Add</i> <i>For 2 To 5 Manholes, Deduct</i> <i>For 6 To 10 Manholes, Deduct</i> <i>For >10 Manholes, Deduct</i>	119.50 30.50 -8.38 -13.78 -27.56	
33 01 30 82-0004 VLF 1/2" Cementitious Restoration On 3-1/2' Diameter Manhole Interior..... <i>For Each Additional 1/2" Thick Material, Add</i> <i>For 2 To 5 Manholes, Deduct</i> <i>For 6 To 10 Manholes, Deduct</i> <i>For >10 Manholes, Deduct</i>	138.58 35.51 -9.72 -15.97 -31.94	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 82-0005 VLF 1/2" Cementitious Restoration On 4' Diameter Manhole Interior.....	157.65	
For Each Additional 1/2" Thick Material, Add	40.51	
For 2 To 5 Manholes, Deduct	-11.05	
For 6 To 10 Manholes, Deduct	-18.16	
For >10 Manholes, Deduct	-36.32	
33 01 30 82-0006 VLF 1/2" Cementitious Restoration On 5' Diameter Manhole Interior.....	185.84	
For Each Additional 1/2" Thick Material, Add	49.66	
For 2 To 5 Manholes, Deduct	-12.97	
For 6 To 10 Manholes, Deduct	-21.29	
For >10 Manholes, Deduct	-42.58	
33 01 30 82-0007 VLF 1/2" Cementitious Restoration On 6' Diameter Manhole Interior.....	203.52	
For Each Additional 1/2" Thick Material, Add	57.46	
For 2 To 5 Manholes, Deduct	-14.10	
For 6 To 10 Manholes, Deduct	-23.12	
For >10 Manholes, Deduct	-46.24	
33 01 30 82-0008 Polyurethane Manhole Restoration, Interior (33 01 30 82-0001)		
33 01 30 82-0009 VLF 60 Mil Polyurethane Restoration Of 3' Diameter Manhole Interior.....	239.93	
For 80 Mil Material, Add	21.05	
For 100 Mil Material, Add	42.10	
For 125 Mil Material, Add	64.14	
For 150 Mil Material, Add	86.18	
For 200 Mil Material, Add	118.84	
For 2 To 5 Manholes, Deduct	-17.70	
For 6 To 10 Manholes, Deduct	-29.40	
For >10 Manholes, Deduct	-58.80	
33 01 30 82-0010 VLF 60 Mil Polyurethane Restoration Of 3-1/2' Diameter Manhole Interior.....	292.59	
For 80 Mil Material, Add	25.51	
For 100 Mil Material, Add	51.02	
For 125 Mil Material, Add	77.68	
For 150 Mil Material, Add	104.34	
For 200 Mil Material, Add	143.72	
For 2 To 5 Manholes, Deduct	-21.60	
For 6 To 10 Manholes, Deduct	-35.88	
For >10 Manholes, Deduct	-71.77	
33 01 30 82-0011 VLF 60 Mil Polyurethane Restoration Of 4' Diameter Manhole Interior.....	319.91	
For 80 Mil Material, Add	28.07	
For 100 Mil Material, Add	56.13	
For 125 Mil Material, Add	85.52	
For 150 Mil Material, Add	114.90	
For 200 Mil Material, Add	158.45	
For 2 To 5 Manholes, Deduct	-23.60	
For 6 To 10 Manholes, Deduct	-39.20	
For >10 Manholes, Deduct	-78.40	
33 01 30 82-0012 VLF 60 Mil Polyurethane Restoration Of 5' Diameter Manhole Interior.....	399.87	
For 80 Mil Material, Add	35.08	
For 100 Mil Material, Add	70.16	
For 125 Mil Material, Add	106.89	
For 150 Mil Material, Add	143.61	
For 200 Mil Material, Add	198.05	
For 2 To 5 Manholes, Deduct	-29.50	
For 6 To 10 Manholes, Deduct	-49.00	
For >10 Manholes, Deduct	-98.00	
33 01 30 82-0013 VLF 60 Mil Polyurethane Restoration Of 6' Diameter Manhole Interior.....	479.85	
For 80 Mil Material, Add	42.10	
For 100 Mil Material, Add	84.20	
For 125 Mil Material, Add	128.27	
For 150 Mil Material, Add	172.34	
For 200 Mil Material, Add	237.66	
For 2 To 5 Manholes, Deduct	-35.40	
For 6 To 10 Manholes, Deduct	-58.80	
For >10 Manholes, Deduct	-117.60	
33 01 30 82-0014 Epoxy Manhole Restoration, Interior (33 01 30 82-0001)		
33 01 30 82-0015 VLF 60 Mil Epoxy Restoration Of 3' Diameter Manhole Interior.....	261.94	
For 80 Mil Material, Add	28.39	
For 100 Mil Material, Add	56.77	
For 125 Mil Material, Add	87.98	
For 150 Mil Material, Add	119.19	
For 200 Mil Material, Add	170.20	
For 2 To 5 Manholes, Deduct	-18.80	
For 6 To 10 Manholes, Deduct	-31.05	
For >10 Manholes, Deduct	-62.10	
33 01 30 82-0016 VLF 60 Mil Epoxy Restoration Of 3-1/2' Diameter Manhole Interior.....	318.30	
For 80 Mil Material, Add	34.08	
For 100 Mil Material, Add	68.16	
For 125 Mil Material, Add	105.53	
For 150 Mil Material, Add	142.90	
For 200 Mil Material, Add	203.71	
For 2 To 5 Manholes, Deduct	-22.88	
For 6 To 10 Manholes, Deduct	-37.81	
For >10 Manholes, Deduct	-75.62	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 82-0017	VLF		60 Mil Epoxy Restoration Of 4' Diameter Manhole Interior	349.25	
			<i>For 80 Mil Material, Add</i>	37.85	
			<i>For 100 Mil Material, Add</i>	75.69	
			<i>For 125 Mil Material, Add</i>	117.30	
			<i>For 150 Mil Material, Add</i>	158.91	
			<i>For 200 Mil Material, Add</i>	226.91	
			<i>For 2 To 5 Manholes, Deduct</i>	-25.07	
			<i>For 6 To 10 Manholes, Deduct</i>	-41.40	
			<i>For >10 Manholes, Deduct</i>	-82.80	
33 01 30 82-0018	VLF		60 Mil Epoxy Restoration Of 5' Diameter Manhole Interior	436.59	
			<i>For 80 Mil Material, Add</i>	47.32	
			<i>For 100 Mil Material, Add</i>	94.64	
			<i>For 125 Mil Material, Add</i>	146.67	
			<i>For 150 Mil Material, Add</i>	198.69	
			<i>For 200 Mil Material, Add</i>	283.73	
			<i>For 2 To 5 Manholes, Deduct</i>	-31.33	
			<i>For 6 To 10 Manholes, Deduct</i>	-51.75	
			<i>For >10 Manholes, Deduct</i>	-103.50	
33 01 30 82-0019	VLF		60 Mil Epoxy Restoration Of 6' Diameter Manhole Interior	523.91	
			<i>For 80 Mil Material, Add</i>	56.78	
			<i>For 100 Mil Material, Add</i>	113.57	
			<i>For 125 Mil Material, Add</i>	176.00	
			<i>For 150 Mil Material, Add</i>	238.43	
			<i>For 200 Mil Material, Add</i>	340.47	
			<i>For 2 To 5 Manholes, Deduct</i>	-37.60	
			<i>For 6 To 10 Manholes, Deduct</i>	-62.10	
			<i>For >10 Manholes, Deduct</i>	-124.21	
33 01 30 82-0020			Multiplexx™ PVC Cured-In-Place (CIP) Lining Manhole Restoration, Interior <small>(33 01 30 82-0001)</small>		
33 01 30 82-0021	VLF		3' Diameter, Multiplexx™ PVC Cured-In-Place (CIP) Manhole Liner For Existing Manhole.....	351.33	
			<i>For 2 To 5 Manholes, Deduct</i>	-21.05	
			<i>For 6 To 10 Manholes, Deduct</i>	-33.31	
			<i>For >10 Manholes, Deduct</i>	-66.62	
33 01 30 82-0022	VLF		3-1/2' Diameter, Multiplexx™ PVC Cured-In-Place (CIP) Manhole Liner For Existing Manhole.....	430.16	
			<i>For 2 To 5 Manholes, Deduct</i>	-25.76	
			<i>For 6 To 10 Manholes, Deduct</i>	-40.77	
			<i>For >10 Manholes, Deduct</i>	-81.54	
33 01 30 82-0023	VLF		4' Diameter, Multiplexx™ PVC Cured-In-Place (CIP) Manhole Liner For Existing Manhole.....	502.93	
			<i>For 2 To 5 Manholes, Deduct</i>	-29.79	
			<i>For 6 To 10 Manholes, Deduct</i>	-47.00	
			<i>For >10 Manholes, Deduct</i>	-94.00	
33 01 30 82-0024	VLF		5' Diameter, Multiplexx™ PVC Cured-In-Place (CIP) Manhole Liner For Existing Manhole.....	630.50	
			<i>For 2 To 5 Manholes, Deduct</i>	-37.33	
			<i>For 6 To 10 Manholes, Deduct</i>	-58.89	
			<i>For >10 Manholes, Deduct</i>	-117.78	
33 01 30 82-0025	VLF		6' Diameter, Multiplexx™ PVC Cured-In-Place (CIP) Manhole Liner For Existing Manhole.....	758.08	
			<i>For 2 To 5 Manholes, Deduct</i>	-44.86	
			<i>For 6 To 10 Manholes, Deduct</i>	-70.78	
			<i>For >10 Manholes, Deduct</i>	-141.55	
33 01 30 86			Manhole Rim Adjustment <small>(33 01 30)</small>		
33 01 30 86-0001	EA		Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers <small>(33 01 30 86)</small>		
33 01 30 86-0002	EA		Up To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers <small>(33 01 30 86-0001)</small>		
33 01 30 86-0003	EA		Up To 2" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	272.74	
33 01 30 86-0004	EA		>2" To 3" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	305.73	
33 01 30 86-0005	EA		>3" To 4" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	335.87	
33 01 30 86-0006	EA		>4" To 5" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	369.95	
33 01 30 86-0007	EA		>5" To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	397.99	
33 01 30 86-0008	EA		Up To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser <small>(33 01 30 86-0001)</small>		
33 01 30 86-0009	EA		Up To 2" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	317.51	
33 01 30 86-0010	EA		>2 To 3" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	345.67	
33 01 30 86-0011	EA		>3" To 4" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	380.81	
33 01 30 86-0012	EA		>4" To 5" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	414.88	
33 01 30 86-0013	EA		>5" To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	447.89	
33 01 30 86-0014	EA		Up To 6" Rise, >32-1/2" To 36" Diameter, Adjustable Or Solid Manhole Risers <small>(33 01 30 86-0001)</small>		
33 01 30 86-0015	EA		Up To 4" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers	366.14	
33 01 30 86-0016	EA		>4" To 5" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers.....	386.76	
33 01 30 86-0017	EA		>5" To 6" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers.....	409.07	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 30 86-0018	>6" To 12" Rise, >32-1/2" To 36" Diameter, Solid, Cast Iron, Manhole Cover Risers <small>(33 01 30 86-0001)</small>		
33 01 30 86-0019	EA >6" To 6-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser.....	444.48	
33 01 30 86-0020	EA 7" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser.....	482.81	
33 01 30 86-0021	EA 7-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser.....	521.85	
33 01 30 86-0022	EA 8" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser.....	553.41	
33 01 30 86-0023	EA 9" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser.....	600.69	
33 01 30 86-0024	EA 10" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser.....	643.98	
33 01 30 86-0025	EA 11" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser.....	686.55	
33 01 30 86-0026	EA 12" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser.....	730.15	
33 01 30 86-0027	>12" Rise, Solid Manhole Risers <small>(33 01 30 86)</small>		
33 01 30 86-0028	Precast Concrete Manhole Riser <small>(33 01 30 86-0027)</small>		
33 01 30 86-0029	VLF Up To 26" Diameter Precast Concrete Manhole Riser.....	92.24	
33 01 30 86-0030	VLF >26" To 36" Diameter Precast Concrete Manhole Riser.....	110.12	
33 01 30 86-0031	VLF >36" To 48" Diameter Precast Concrete Manhole Riser.....	125.68	
33 01 30 86-0032	VLF >48" To 60" Diameter Precast Concrete Manhole Riser.....	251.61	
33 01 30 86-0033	VLF >60" To 72" Diameter Precast Concrete Manhole Riser.....	369.40	
33 01 30 89	By Pass Piping And Pumping Of Sewer Utilities <small>(33 01 30)</small>		
33 01 30 89-0001	Set-Up By-Pass Pumping Unit <small>(33 01 30 89)</small> Note: Excludes pump and hose rental. See CSI section 01 22 23 00-0935 for pump rental, 01 22 23 00-0968 for suction hose, 01 22 23 00-0987 for discharge hose.		
33 01 30 89-0002	EA Set-up By-Pass Pumping Unit.....	1,555.50	
33 01 30 89-0003	EA Re-Set Up/Move By-Pass Pumping Unit.....	777.75	
33 01 30 89-0004	By-Pass Pumping <small>(33 01 30 89)</small> Note: Excludes pump rental. See CSI section 01 22 23 00-0935 for pump rental.		
33 01 30 89-0005	DAY Maintain And Operate By-Pass Pumping Unit.....	388.88	
33 01 30 89-0006	WK Maintain And Operate By-Pass Pumping Unit.....	1,944.38	
33 01 30 89-0007	MO Maintain And Operate By-Pass Pumping Unit.....	8,166.42	
33 01 30 89-0008	Temporary Bypass And Service Lines <small>(33 01 30 89)</small> Note: Laid on ground, includes fittings and connections. Remove after use.		
33 01 30 89-0009	Temporary Water Service Lines <small>(33 01 30 89-0008)</small> Note: Laid on ground, includes fittings, connections and chlorination prior to each use. Remove after use.		
33 01 30 89-0010	LF 1/2" Temporary Service Hose With Fittings..... Note: Includes removal after use.	2.38	
33 01 30 89-0011	LF 3/4" Temporary Service Hose With Fittings..... Note: Includes removal after use.	3.02	
33 01 30 89-0012	LF 1" Temporary Service Hose With Fittings..... Note: Includes removal after use.	3.50	
33 01 30 89-0013	LF 1-1/2" Temporary Service Hose With Fittings..... Note: Includes removal after use.	4.18	
33 01 30 89-0014	LF 2" Temporary Service Hose With Fittings..... Note: Includes removal after use.	5.14	
33 01 30 89-0015	EA Temporary Service Valve Assembly At Fire Hydrant..... Note: Includes removal after use.	263.87	
33 01 30 89-0016	Temporary Bypass Water Main Lines <small>(33 01 30 89-0008)</small> Note: Laid on ground, includes fittings, connections and chlorination prior to each use. Remove after use.		
33 01 30 89-0017	LF 2" Temporary Bypass Pipe With Fittings..... Note: Includes removal after use. For >500 To 1,000, Deduct For >1,000 To 5,000, Deduct For >5,000, Deduct	5.31 -0.37 -0.73 -1.22	
33 01 30 89-0018	LF 4" Temporary Bypass Pipe With Fittings..... Note: Includes removal after use. For >500 To 1,000, Deduct For >1,000 To 5,000, Deduct For >5,000, Deduct	6.85 -0.47 -0.94 -1.57	
33 01 30 89-0019	LF 6" Temporary Bypass Pipe With Fittings..... Note: Includes removal after use. For >500 To 1,000, Deduct For >1,000 To 5,000, Deduct For >5,000, Deduct	8.49 -0.55 -1.10 -1.83	
33 01 30 89-0020	LF 8" Temporary Bypass Pipe With Fittings..... Note: Includes removal after use. For >500 To 1,000, Deduct For >1,000 To 5,000, Deduct For >5,000, Deduct	10.79 -0.66 -1.32 -2.20	
33 01 30 89-0021	Piping Protection For Temporary Water Line <small>(33 01 30 89-0008)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 89-0022 LF Cold Mix For Temporary Pipe.....	2.37	
Note: Install along each side of pipe edge. Unit of measure "LF" is for length of pipe and includes both sides of pipe.		
33 01 30 89-0023 Drill Meter Cover For Temporary Water Line (33 01 30 89-0008)		
33 01 30 89-0024 EA Drill Meter Cover For Temporary Bypass Pipe	13.41	
 33 01 34 Operation and Maintenance of Onsite Wastewater Disposal Systems (33 01)		
33 01 34 13 Septic Tank Solids Removal (33 01 34)		
33 01 34 13-0001 Pump Out Septic Tanks (33 01 34 13)		
33 01 34 13-0002 GAL Pump Out Septic Tank And Dispose	0.52	
 33 05 Common Work Results For Utilities (33)		
33 05 07 Trenchless Installation of Utility Piping (33 05)		
33 05 07 13 Utility Directional Drilling (33 05 07)		
33 05 07 13-0001 Horizontal Augering (33 05 07 13)		
Note: Excludes starting or receiving pits, dewatering, cost of casing pipe or spoils removal.		
33 05 07 13-0002 LF Up To 2" Diameter Horizontal Hand Augering	20.73	
33 05 07 13-0003 LF 3" Diameter Horizontal Hand Augering.....	25.03	
33 05 07 13-0004 LF 4" Diameter Horizontal Hand Augering.....	34.32	
33 05 07 13-0005 LF 6" Diameter Horizontal Hand Augering.....	44.34	
33 05 07 13-0006 LF 8" Diameter Horizontal Augering.....	78.45	
33 05 07 13-0007 LF 10" Diameter Horizontal Augering.....	114.44	
33 05 07 13-0008 LF 12" Diameter Horizontal Augering.....	137.51	
33 05 07 13-0009 LF 16" Diameter Horizontal Augering.....	164.27	
33 05 07 13-0010 LF 20" Diameter Horizontal Augering.....	284.25	
33 05 07 13-0011 LF 24" Diameter Horizontal Augering.....	351.60	
33 05 07 13-0012 LF 30" Diameter Horizontal Augering.....	433.68	
33 05 07 13-0013 LF 36" Diameter Horizontal Augering.....	495.49	
33 05 07 13-0014 LF 42" Diameter Horizontal Augering.....	628.95	
33 05 07 13-0015 LF 48" Diameter Horizontal Augering.....	677.71	
33 05 07 13-0016 LF 54" Diameter Horizontal Augering.....	737.03	
33 05 07 13-0017 LF 60" Diameter Horizontal Augering.....	772.70	
33 05 07 13-0018 EA 8" To 20" Horizontal Augering Minimum Set-up Charge.....	3,322.39	
Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 13-0019 EA >20" To 36" Horizontal Augering Minimum Set-up Charge.....	4,458.32	
Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 13-0020 EA >36" Horizontal Augering Minimum Set-up Charge	6,420.64	
Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
 33 05 07 13-0021 Horizontal Directional Boring (33 05 07 13)		
Note: Excludes receiving pits or dewatering or cost of casing pipe.		
33 05 07 13-0022 LF Up To 1-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	10.89	
<i>For Horizontal Boring Through Rock, Add</i>		
	7.62	
33 05 07 13-0023 LF 2" Diameter Directional Boring For Horizontal Pipe, Underground	16.34	
<i>For Horizontal Boring Through Rock, Add</i>		
	11.44	
33 05 07 13-0024 LF 2-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	22.70	
<i>For Horizontal Boring Through Rock, Add</i>		
	15.89	
33 05 07 13-0025 LF 3" Diameter Directional Boring For Horizontal Pipe, Underground	28.14	
<i>For Horizontal Boring Through Rock, Add</i>		
	19.70	
33 05 07 13-0026 LF 4" Diameter Directional Boring For Horizontal Pipe, Underground	33.59	
<i>For Horizontal Boring Through Rock, Add</i>		
	23.51	
33 05 07 13-0027 LF 5" Diameter Directional Boring For Horizontal Pipe, Underground	39.04	
<i>For Horizontal Boring Through Rock, Add</i>		
	27.33	
33 05 07 13-0028 LF 6" Diameter Directional Boring For Horizontal Pipe, Underground	45.39	
<i>For Horizontal Boring Through Rock, Add</i>		
	31.77	
33 05 07 13-0029 LF 8" Diameter Directional Boring For Horizontal Pipe, Underground	55.37	
<i>For Horizontal Boring Through Rock, Add</i>		
	38.76	
33 05 07 13-0030 LF 10" Diameter Directional Boring For Horizontal Pipe, Underground	59.98	
<i>For Horizontal Boring Through Rock, Add</i>		
	41.99	
33 05 07 13-0031 LF 12" Diameter Directional Boring For Horizontal Pipe, Underground	64.61	
<i>For Horizontal Boring Through Rock, Add</i>		
	45.23	
33 05 07 13-0032 LF 18" Diameter Directional Boring For Horizontal Pipe, Underground	133.82	
<i>For Horizontal Boring Through Rock, Add</i>		
	93.67	
33 05 07 13-0033 LF 24" Diameter Directional Boring For Horizontal Pipe, Underground	207.72	
<i>For Horizontal Boring Through Rock, Add</i>		
	145.40	
33 05 07 13-0034 LF 30" Diameter Directional Boring For Horizontal Pipe, Underground	316.65	
<i>For Horizontal Boring Through Rock, Add</i>		
	221.66	

33 Utilities**33 05 Common Work Results For Utilities****33 05 07 Trenchless Installation of Utility Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 07 13-0035 LF 36" Diameter Directional Boring For Horizontal Pipe, Underground <i>For Horizontal Boring Through Rock, Add</i>	506.63 354.64	
33 05 07 13-0036 EA Up To 6" Horizontal Directional Boring Minimum Set-up Charge..... Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	2,905.35	
33 05 07 13-0037 EA >6" To 18" Horizontal Directional Boring Minimum Set-up Charge..... Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,322.39	
33 05 07 13-0038 EA >18" To 36" Horizontal Directional Boring Minimum Set-up Charge..... Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	4,458.32	

33 05 07 23 Utility Boring and Jacking (33 05 07)**33 05 07 23-0001****Horizontal Jacking (33 05 07 23)**

Note: Includes cost of steel casing pipe, excludes dewatering and excavation for jacking pit or receiving pit.

33 05 07 23-0002 LF Up To 2" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	46.14 24.14	
33 05 07 23-0003 LF 3" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	55.39 29.13	
33 05 07 23-0004 LF 4" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	75.10 39.95	
33 05 07 23-0005 LF 6" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	97.04 51.60	
33 05 07 23-0006 LF 8" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	131.80 70.74	
33 05 07 23-0007 LF 10" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	193.04 103.21	
33 05 07 23-0008 LF 12" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	232.31 124.02	
33 05 07 23-0009 LF 16" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	277.38 148.15	
33 05 07 23-0010 LF 20" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	442.69 257.18	
33 05 07 23-0011 LF 24" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	677.41 288.62	
33 05 07 23-0012 LF 30" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	795.43 356.39	
33 05 07 23-0013 LF 36" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	900.25 407.50	
33 05 07 23-0014 LF 42" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	967.97 440.06	
33 05 07 23-0015 LF 48" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	1,048.47 474.14	
33 05 07 23-0016 LF 54" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	1,124.10 516.02	
33 05 07 23-0017 EA Up To 6" Horizontal Jacking Minimum Set-up Charge..... Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	2,905.35	
33 05 07 23-0018 EA >6" To 20" Horizontal Jacking Minimum Set-up Charge..... Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,322.39	
33 05 07 23-0019 EA >20" To 36" Horizontal Jacking Minimum Set-up Charge..... Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	4,458.32	
33 05 07 23-0020 EA >36" Horizontal Jacking Minimum Set-up Charge..... Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	6,420.64	

33 05 07 24 Casing Piping for Utility Jacking (33 05 07)**33 05 07 24-0001****Casing Pipe (33 05 07 24)**

Note: Casing pipe is pulled back from hook on boring auger through slurry. Costs are installed costs. Excludes boring.

33 05 07 24-0002**Steel Pipe (33 05 07 24-0001)**

33 05 07 24-0003 LF 1-1/2" Steel Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	11.71	
33 05 07 24-0004 LF 2" Steel Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	12.42	
33 05 07 24-0005 LF 2-1/2" Steel Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	13.39	
33 05 07 24-0006 LF 3" Steel Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	14.39	
33 05 07 24-0007 LF 4" Steel Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	18.08	
33 05 07 24-0008 LF 5" Steel Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	20.38	
33 05 07 24-0009 LF 6" Steel Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	22.69	

33 05 07 24-0010 Polyethylene Pipe (33 05 07 24-0001)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 07 24-0011 LF 3/4" Polyethylene Pipe Pull In Place By Boring Machine.....	4.55	
33 05 07 24-0012 LF 1" Polyethylene Pipe Pull In Place By Boring Machine.....	4.99	
33 05 07 24-0013 LF 1-1/4" Polyethylene Pipe Pull In Place By Boring Machine.....	5.42	
33 05 07 24-0014 LF 1-1/2" Polyethylene Pipe Pull In Place By Boring Machine.....	5.78	
33 05 07 24-0015 LF 2" Polyethylene Pipe Pull In Place By Boring Machine.....	6.20	
33 05 07 24-0016 LF 2-1/2" Polyethylene Pipe Pull In Place By Boring Machine.....	6.62	
33 05 07 24-0017 LF 3" Polyethylene Pipe Pull In Place By Boring Machine.....	7.06	
33 05 07 24-0018 LF 4" Polyethylene Pipe Pull In Place By Boring Machine.....	8.58	
33 05 07 24-0019 LF 5" Polyethylene Pipe Pull In Place By Boring Machine.....	9.50	
33 05 07 24-0020 LF 6" Polyethylene Pipe Pull In Place By Boring Machine.....	10.43	
33 05 07 24-0021 LF 8" Polyethylene Pipe Pull In Place By Boring Machine.....	13.61	
33 05 07 24-0022 LF 10" Polyethylene Pipe Pull In Place By Boring Machine.....	18.56	

33 05 61 Concrete Manholes (33 05)

33 05 61 00-0001 Manholes (33 05 61)

33 05 61 00-0002 Cast In Place Concrete, 8" Thick (33 05 61 00-0001)
Note: Includes base, wall, top and block-out for openings.

33 05 61 00-0003 48" Diameter (33 05 61 00-0002)

33 05 61 00-0004 EA 4' Diameter x 4' Deep Cast In Place Manhole 8" Thick.....	1,659.10	521.84
33 05 61 00-0005 EA 4' Diameter x 6' Deep Cast In Place Manhole 8" Thick.....	2,289.16	713.94
33 05 61 00-0006 EA 4' Diameter x 8' Deep Cast In Place Manhole 8" Thick.....	3,247.68	1,070.28
33 05 61 00-0007 VLF 4' Diameter x Vertical Linear Foot Depth Cast In Place Manhole 8" Thick, Over 8'.....	401.03	133.83

33 05 61 00-0008 Precast Concrete Manholes (33 05 61 00-0001)

Note: Includes base, riser(s), reducer and openings. See CSI section 33 05 84 00-0002 for top slabs.

33 05 61 00-0009 3' Diameter, Precast Concrete Manholes (33 05 61 00-0008)

33 05 61 00-0010 EA 4' Deep, 3' Diameter, Precast Concrete Manhole.....	1,075.71	232.21
For Bitumastic Coating, Add	43.87	
For Epoxy Coating, Add	83.83	
33 05 61 00-0011 EA 6' Deep, 3' Diameter, Precast Concrete Manhole.....	1,475.02	333.54
For Bitumastic Coating, Add	65.80	
For Epoxy Coating, Add	125.74	
33 05 61 00-0012 EA 8' Deep, 3' Diameter, Precast Concrete Manhole.....	2,017.88	506.64
For Bitumastic Coating, Add	87.74	
For Epoxy Coating, Add	167.66	
33 05 61 00-0013 VLF Riser For 3' Diameter, Precast Concrete Manhole.....	216.54	59.11
Note: For depths greater than 8'.		
For Bitumastic Coating, Add	10.97	
For Epoxy Coating, Add	20.96	
33 05 61 00-0014 VLF Drop Collar For 3' Diameter, Precast Concrete Manhole.....	230.96	59.11
33 05 61 00-0015 EA Drop Base For 3' Diameter, Precast Concrete Manhole.....	351.00	59.11
33 05 61 00-0016 EA Extended Base Slab For 3' Diameter, Precast Concrete Manhole.....	286.53	59.11
33 05 61 00-0017 EA Precast Channel For 3' Diameter, Precast Concrete Manhole.....	396.33	59.11

33 05 61 00-0018 4' Diameter, Precast Concrete Manholes (33 05 61 00-0008)

33 05 61 00-0019 EA 4' Deep, 4' Diameter, Precast Concrete Manhole.....	1,350.54	265.99
For Bitumastic Coating, Add	43.87	
For Epoxy Coating, Add	83.83	
33 05 61 00-0020 EA 6' Deep, 4' Diameter, Precast Concrete Manhole.....	1,809.07	363.09
For Bitumastic Coating, Add	65.80	
For Epoxy Coating, Add	125.74	
33 05 61 00-0021 EA 8' Deep, 4' Diameter, Precast Concrete Manhole.....	2,437.18	548.86
For Bitumastic Coating, Add	87.74	
For Epoxy Coating, Add	167.66	
33 05 61 00-0022 VLF Riser For 4' Diameter, Precast Concrete Manhole.....	268.32	69.66
Note: For depths greater than 8'.		
For Bitumastic Coating, Add	10.97	
For Epoxy Coating, Add	20.96	
33 05 61 00-0023 VLF Drop Collar For 4' Diameter, Precast Concrete Manhole.....	287.56	69.66
33 05 61 00-0024 EA Drop Base For 4' Diameter, Precast Concrete Manhole.....	447.59	69.66
33 05 61 00-0025 EA Extended Base Slab For 4' Diameter, Precast Concrete Manhole.....	361.65	69.66
33 05 61 00-0026 EA Precast Channel For 4' Diameter, Precast Concrete Manhole.....	508.04	69.66

33 05 61 00-0027 5' Diameter, Precast Concrete Manholes (33 05 61 00-0008)

33 Utilities**33 05 Common Work Results For Utilities****33 05 61 Concrete Manholes**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 61 00-0028 EA 4' Deep, 5' Diameter, Precast Concrete Manhole..... <i>For Bitumastic Coating, Add</i> <i>For Epoxy Coating, Add</i>	2,382.50 56.52 135.14	295.54
33 05 61 00-0029 EA 6' Deep, 5' Diameter, Precast Concrete Manhole..... <i>For Bitumastic Coating, Add</i> <i>For Epoxy Coating, Add</i>	3,180.52 84.78 202.71	405.32
33 05 61 00-0030 EA 8' Deep, 5' Diameter, Precast Concrete Manhole..... <i>For Bitumastic Coating, Add</i> <i>For Epoxy Coating, Add</i>	4,166.50 113.04 270.28	607.97
33 05 61 00-0031 VLF Riser For 5' Diameter, Precast Concrete Manhole..... Note: For depths greater than 8'. <i>For Bitumastic Coating, Add</i> <i>For Epoxy Coating, Add</i>	442.56 14.13 33.79	76.00
33 05 61 00-0032 6' Diameter, Precast Concrete Manholes (33 05 61 00-0008)		
33 05 61 00-0033 EA 4' Deep, 6' Diameter, Precast Concrete Manhole..... <i>For Bitumastic Coating, Add</i> <i>For Epoxy Coating, Add</i>	3,145.59 64.71 158.21	329.32
33 05 61 00-0034 EA 6' Deep, 6' Diameter, Precast Concrete Manhole..... <i>For Bitumastic Coating, Add</i> <i>For Epoxy Coating, Add</i>	4,112.93 97.06 237.32	447.53
33 05 61 00-0035 EA 8' Deep, 6' Diameter, Precast Concrete Manhole..... <i>For Bitumastic Coating, Add</i> <i>For Epoxy Coating, Add</i>	5,290.71 129.42 316.43	675.52
33 05 61 00-0036 VLF Riser For 6' Diameter, Precast Concrete Manhole..... Note: For depths greater than 8'. <i>For Bitumastic Coating, Add</i> <i>For Epoxy Coating, Add</i>	531.72 16.18 39.55	84.44
33 05 61 00-0037 7' Diameter, Precast Concrete Manholes (33 05 61 00-0008)		
33 05 61 00-0038 EA 4' Deep, 7' Diameter, Precast Concrete Manhole..... <i>For Bitumastic Coating, Add</i> <i>For Epoxy Coating, Add</i>	4,843.09 137.61 276.47	363.09
33 05 61 00-0039 EA 6' Deep, 7' Diameter, Precast Concrete Manhole..... <i>For Bitumastic Coating, Add</i> <i>For Epoxy Coating, Add</i>	6,282.00 206.41 414.70	495.24
33 05 61 00-0040 EA 8' Deep, 7' Diameter, Precast Concrete Manhole..... <i>For Bitumastic Coating, Add</i> <i>For Epoxy Coating, Add</i>	7,952.25 275.21 552.94	743.07
33 05 61 00-0041 VLF Riser For 7' Diameter, Precast Concrete Manhole..... Note: For depths greater than 8'. <i>For Bitumastic Coating, Add</i> <i>For Epoxy Coating, Add</i>	773.07 34.40 69.12	92.89
33 05 61 00-0042 8' Diameter, Precast Concrete Manholes (33 05 61 00-0008)		
33 05 61 00-0043 EA 4' Deep, 8' Diameter, Precast Concrete Manhole..... <i>For Bitumastic Coating, Add</i> <i>For Epoxy Coating, Add</i>	6,928.83 162.68 336.99	417.98
33 05 61 00-0044 EA 6' Deep, 8' Diameter, Precast Concrete Manhole..... <i>For Bitumastic Coating, Add</i> <i>For Epoxy Coating, Add</i>	9,005.08 244.02 505.49	569.97
33 05 61 00-0045 EA 8' Deep, 8' Diameter, Precast Concrete Manhole..... <i>For Bitumastic Coating, Add</i> <i>For Epoxy Coating, Add</i>	11,347.32 325.36 673.98	854.95
33 05 61 00-0046 VLF Riser For 8' Diameter, Precast Concrete Manhole..... Note: For depths greater than 8'. <i>For Bitumastic Coating, Add</i> <i>For Epoxy Coating, Add</i>	1,097.23 40.67 84.25	105.55
33 05 63 Concrete Vaults and Chambers (33 05)		
33 05 63 00-0001 Underground Utility Vaults And Structures (33 05 63) See CSI section 33 05 61 00-0001 for manholes, 33 05 84 00-0088 for frames and covers.		
33 05 63 00-0002 Precast Concrete Underground Utility Vault (33 05 63 00-0001) Note: Sizes given are for inside dimensions.		
33 05 63 00-0003 6' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)		
33 05 63 00-0004 EA 4' x 4' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	2,950.45	
33 05 63 00-0005 EA 4' x 6' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	3,845.91	
33 05 63 00-0006 EA 5' x 10' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,344.78	
33 05 63 00-0007 EA 5' x 12' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,326.15	
33 05 63 00-0008 EA 6' x 6' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,914.85	
33 05 63 00-0009 EA 6' x 8' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,982.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0010 EA 6' x 10' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,051.87	
33 05 63 00-0011 EA 6' x 12' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	10,188.57	
33 05 63 00-0012 EA 6' x 14' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	10,188.57	
33 05 63 00-0013 EA 6' x 16' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	12,829.04	
33 05 63 00-0014 EA 8' x 8' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,225.36	
33 05 63 00-0015 EA 8' x 10' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,466.95	
33 05 63 00-0016 EA 8' x 12' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	12,102.76	
33 05 63 00-0017 EA 8' x 14' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	13,621.56	
33 05 63 00-0018 7' High Precast Concrete Underground Utility Vault <small>(33 05 63 00-0002)</small>		
33 05 63 00-0019 EA 4' x 4' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	3,248.08	
33 05 63 00-0020 EA 4' x 6' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,217.53	
33 05 63 00-0021 EA 4' x 8' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,186.96	
33 05 63 00-0022 EA 5' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,901.80	
33 05 63 00-0023 EA 5' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,957.98	
33 05 63 00-0024 EA 6' x 6' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,360.44	
33 05 63 00-0025 EA 6' x 8' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,503.40	
33 05 63 00-0026 EA 6' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,646.29	
33 05 63 00-0027 EA 6' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	11,079.76	
33 05 63 00-0028 EA 6' x 16' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	13,918.37	
33 05 63 00-0029 EA 8' x 8' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,819.77	
33 05 63 00-0030 EA 8' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,135.35	
33 05 63 00-0031 EA 8' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	13,093.52	
33 05 63 00-0032 EA 8' x 14' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	14,710.04	
33 05 63 00-0033 EA 10' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	13,291.05	
33 05 63 00-0034 8' High Precast Concrete Underground Utility Vault <small>(33 05 63 00-0002)</small>		
33 05 63 00-0035 EA 4' x 4' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	3,544.86	
33 05 63 00-0036 EA 4' x 6' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,589.14	
33 05 63 00-0037 EA 5' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,458.80	
33 05 63 00-0038 EA 5' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,588.96	
33 05 63 00-0039 EA 6' x 6' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,806.05	
33 05 63 00-0040 EA 6' x 8' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,022.98	
33 05 63 00-0041 EA 6' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,239.90	
33 05 63 00-0042 EA 6' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	11,970.95	
33 05 63 00-0043 EA 6' x 16' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	15,007.75	
33 05 63 00-0044 EA 8' x 8' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,413.35	
33 05 63 00-0045 EA 8' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,803.75	
33 05 63 00-0046 EA 8' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	14,083.36	
33 05 63 00-0047 EA 8' x 14' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	15,799.42	
33 05 63 00-0048 EA 10' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	14,281.50	
33 05 63 00-0049 10' High Precast Concrete Underground Utility Vault <small>(33 05 63 00-0002)</small>		

33 Utilities**33 05 Common Work Results For Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0050 EA 6' x 6' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,251.67	
33 05 63 00-0051 EA 6' x 8' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,542.55	
33 05 63 00-0052 EA 10' x 10' x 10' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	15,271.30	
33 05 63 00-0053 12' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)		
33 05 63 00-0054 EA 6' x 6' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,697.28	
33 05 63 00-0055 EA 6' x 8' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,063.01	
33 05 63 00-0056 Meter Pit (33 05 63 00-0001)		
33 05 63 00-0057 Precast Concrete Meter Pit (33 05 63 00-0056)		
33 05 63 00-0058 EA 4' x 4' x 4' Deep Precast Concrete Meter Pit.....	2,064.00	
33 05 63 00-0059 EA 4' x 4' x 6' Deep Precast Concrete Meter Pit.....	2,760.95	
33 05 63 00-0060 EA 4' x 4' x 8' Deep Precast Concrete Meter Pit.....	3,411.93	
33 05 63 00-0061 EA 4' x 4' x 10' Deep Precast Concrete Meter Pit.....	4,195.84	
33 05 63 00-0062 EA 4' x 4' x 15' Deep Precast Concrete Meter Pit.....	5,690.91	
33 05 63 00-0063 EA 6' x 6' x 4' Deep Precast Concrete Meter Pit.....	3,094.61	
33 05 63 00-0064 EA 6' x 6' x 6' Deep Precast Concrete Meter Pit.....	4,195.84	
33 05 63 00-0065 EA 6' x 6' x 8' Deep Precast Concrete Meter Pit.....	5,353.56	
33 05 63 00-0066 EA 6' x 6' x 10' Deep Precast Concrete Meter Pit.....	6,680.85	
33 05 63 00-0067 EA 6' x 6' x 15' Deep Precast Concrete Meter Pit.....	9,273.59	
33 05 63 00-0068 Handhole Or Pull Box Enclosures (33 05 63 00-0001)		
33 05 63 00-0069 Polymer Concrete Handhole Enclosures (33 05 63 00-0068)		
33 05 63 00-0070 Polymer Concrete Handhole Enclosures (33 05 63 00-0069)		
33 05 63 00-0071 Flared Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0070)		
33 05 63 00-0072 Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0071)		
33 05 63 00-0073 EA 12" x 12", 24" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	218.64	18.94
33 05 63 00-0074 EA 10" x 15", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	196.24	42.07
33 05 63 00-0075 EA 13" x 24", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	299.29	63.10
33 05 63 00-0076 EA 17" x 30", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	344.92	63.10
33 05 63 00-0077 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	329.84	63.10
33 05 63 00-0078 EA 13" x 24", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	395.65	63.10
33 05 63 00-0079 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	385.72	63.10
33 05 63 00-0080 EA 17" x 30", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	518.98	63.10
33 05 63 00-0081 EA 27" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	735.53	84.14
33 05 63 00-0082 EA 27" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,022.31	84.14
33 05 63 00-0083 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	679.15	115.69
33 05 63 00-0084 EA 24" x 36", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	768.96	115.69
33 05 63 00-0085 EA 24" x 36", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,236.15	115.69
33 05 63 00-0086 EA 39" Round, 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	726.02	126.20
33 05 63 00-0087 EA 39" Round, 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,020.20	126.20
33 05 63 00-0088 EA 39" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,260.76	126.20
33 05 63 00-0089 EA 39" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,829.74	126.20
33 05 63 00-0090 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,047.38	191.20
33 05 63 00-0091 EA 30" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,490.13	191.20
33 05 63 00-0092 Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0071)		
33 05 63 00-0093 EA 12" x 12", 24" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	278.25	18.94



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0094	EA		13" x 24", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	370.29	63.10
33 05 63 00-0095	EA		17" x 30", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	443.73	63.10
33 05 63 00-0096	EA		13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	410.86	63.10
33 05 63 00-0097	EA		13" x 24", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	467.10	63.10
33 05 63 00-0098	EA		17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	481.85	63.10
33 05 63 00-0099	EA		17" x 30", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	615.94	63.10
33 05 63 00-0100	EA		24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	830.12	115.69
33 05 63 00-0101	EA		24" x 36", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	919.93	115.69
33 05 63 00-0102	EA		24" x 36", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,387.13	115.69
33 05 63 00-0103	EA		30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,223.80	191.20
33 05 63 00-0104	EA		30" x 48", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,669.92	191.20
33 05 63 00-0105			Straight Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0070)		
33 05 63 00-0106			Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0105)		
33 05 63 00-0107	EA		5" x 16", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	354.96	18.94
33 05 63 00-0108	EA		10" x 12", 15" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	301.01	18.94
33 05 63 00-0109	EA		13" x 24", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	259.47	63.10
33 05 63 00-0110	EA		17" x 30", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	291.31	63.10
33 05 63 00-0111	EA		6" x 8", 6" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	87.89	18.94
33 05 63 00-0112	EA		12" x 12", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	133.01	18.94
33 05 63 00-0113	EA		8" x 18", 7" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	211.32	18.94
33 05 63 00-0114	EA		8" x 18", 8" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	220.79	18.94
33 05 63 00-0115	EA		11" x 18", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	192.94	42.07
33 05 63 00-0116	EA		11" x 18", 18" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	207.47	42.07
33 05 63 00-0117	EA		8" x 8", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	131.07	18.94
33 05 63 00-0118	EA		8" x 8", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	148.83	18.94
33 05 63 00-0119	EA		11" x 18", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	205.96	42.07
33 05 63 00-0120	EA		11" x 18", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	230.40	42.07
33 05 63 00-0121	EA		11" x 20", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	214.58	42.07
33 05 63 00-0122	EA		13" x 24", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	260.96	63.10
33 05 63 00-0123	EA		13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	284.93	63.10
33 05 63 00-0124	EA		17" x 30", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	302.75	63.10
33 05 63 00-0125	EA		17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	329.60	63.10
33 05 63 00-0126	EA		17" x 30", 22" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	383.14	63.10
33 05 63 00-0127	EA		17" x 30", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	415.62	63.10
33 05 63 00-0128	EA		17" x 30", 28" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	451.16	63.10
33 05 63 00-0129	EA		17" x 30", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	473.50	63.10
33 05 63 00-0130	EA		24" x 24", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	567.08	84.14
33 05 63 00-0131	EA		24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	581.86	115.69
33 05 63 00-0132	EA		24" x 36", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	737.51	115.69
33 05 63 00-0133	EA		24" x 36", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	881.22	115.69
33 05 63 00-0134	EA		24" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	971.98	115.69
33 05 63 00-0135	EA		24" x 36", 42" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,062.26	115.69
33 05 63 00-0136	EA		36" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,220.11	191.20
33 05 63 00-0137	EA		30" x 48", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	901.94	191.20

33 Utilities
33 05 Common Work Results For Utilities
33 05 63 Concrete Vaults and Chambers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0138	EA		30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,017.22	191.20
33 05 63 00-0139	EA		30" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,237.64	191.20
33 05 63 00-0140	EA		30" x 60", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,235.38	191.20
33 05 63 00-0141	EA		30" x 60", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,317.66	191.20
33 05 63 00-0142	EA		30" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,475.90	191.20
33 05 63 00-0143	EA		36" x 60", 19" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,365.14	204.86
33 05 63 00-0144	EA		36" x 60", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,476.86	204.86
33 05 63 00-0145	EA		36" x 60", 31" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,619.50	204.86
33 05 63 00-0146	EA		36" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,676.57	204.86
33 05 63 00-0147	EA		48" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,696.41	204.86
33 05 63 00-0148	EA		48" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,913.74	204.86
33 05 63 00-0149	EA		36" x 72", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,491.67	204.86
33 05 63 00-0150	EA		36" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,949.61	204.86
33 05 63 00-0151	EA		48" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,191.26	218.51
33 05 63 00-0152	EA		48" x 72", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,689.52	218.51
33 05 63 00-0153	EA		48" x 96", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,432.07	218.51
33 05 63 00-0154 Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures					
33 05 63 00-0155	EA		13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	342.13	63.10
33 05 63 00-0156	EA		17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	389.35	63.10
33 05 63 00-0157	EA		6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	144.50	18.94
33 05 63 00-0158	EA		12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	206.16	18.94
33 05 63 00-0159	EA		8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	274.32	18.94
33 05 63 00-0160	EA		8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	283.81	18.94
33 05 63 00-0161	EA		10" x 15", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	255.00	42.07
33 05 63 00-0162	EA		11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	265.11	42.07
33 05 63 00-0163	EA		11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	278.64	42.07
33 05 63 00-0164	EA		8" x 8", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	192.79	18.94
33 05 63 00-0165	EA		8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	226.73	18.94
33 05 63 00-0166	EA		11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	278.31	42.07
33 05 63 00-0167	EA		11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	302.75	42.07
33 05 63 00-0168	EA		11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	287.70	42.07
33 05 63 00-0169	EA		13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	341.67	63.10
33 05 63 00-0170	EA		13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	365.94	63.10
33 05 63 00-0171	EA		17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	399.07	63.10
33 05 63 00-0172	EA		17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	425.75	63.10
33 05 63 00-0173	EA		17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	479.13	63.10
33 05 63 00-0174	EA		17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	511.75	63.10
33 05 63 00-0175	EA		17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	547.13	63.10
33 05 63 00-0176	EA		17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	569.64	63.10
33 05 63 00-0177	EA		24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	699.88	84.14
33 05 63 00-0178	EA		24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	732.85	115.69



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0179 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	888.31	115.69
33 05 63 00-0180 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,031.87	115.69
33 05 63 00-0181 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,122.48	115.69
33 05 63 00-0182 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,213.06	115.69
33 05 63 00-0183 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,076.70	191.20
33 05 63 00-0184 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,192.14	191.20
33 05 63 00-0185 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,412.40	191.20
33 05 63 00-0186 Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0186)</small>		
33 05 63 00-0187 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	315.74	63.10
33 05 63 00-0188 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	364.27	63.10
33 05 63 00-0189 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	108.41	18.94
33 05 63 00-0190 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	174.48	18.94
33 05 63 00-0191 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	247.95	18.94
33 05 63 00-0192 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	257.62	18.94
33 05 63 00-0193 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	237.64	42.07
33 05 63 00-0194 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	265.77	42.07
33 05 63 00-0195 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	153.44	18.94
33 05 63 00-0196 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	251.46	42.07
33 05 63 00-0197 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	286.50	42.07
33 05 63 00-0198 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	260.57	42.07
33 05 63 00-0199 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	337.95	63.10
33 05 63 00-0200 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	385.86	63.10
33 05 63 00-0201 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	401.79	63.10
33 05 63 00-0202 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	439.73	63.10
33 05 63 00-0203 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	474.63	63.10
33 05 63 00-0204 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	507.58	63.10
33 05 63 00-0205 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	566.57	63.10
33 05 63 00-0206 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	574.80	63.10
33 05 63 00-0207 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	710.16	84.14
33 05 63 00-0208 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	746.19	115.69
33 05 63 00-0209 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	917.88	115.69
33 05 63 00-0210 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,087.67	115.69
33 05 63 00-0211 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,200.45	115.69
33 05 63 00-0212 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,313.23	115.69
33 05 63 00-0213 EA 36" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,430.24	191.20
33 05 63 00-0214 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,112.08	191.20
33 05 63 00-0215 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,236.35	191.20
33 05 63 00-0216 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,456.62	191.20
33 05 63 00-0217 EA 30" x 60", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,553.78	191.20
33 05 63 00-0218 EA 30" x 60", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,584.20	191.20
33 05 63 00-0219 EA 30" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,879.36	191.20
33 05 63 00-0220 EA 36" x 60", 19" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,751.38	204.86
33 05 63 00-0221 EA 36" x 60", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,809.11	204.86
33 05 63 00-0222 EA 36" x 60", 31" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,972.87	204.86

33 Utilities

33 05 Common Work Results For Utilities

33 05 63 Concrete Vaults and Chambers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0223	EA		36" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,096.80	204.86
33 05 63 00-0224	EA		36" x 72", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,931.14	204.86
33 05 63 00-0225	EA		36" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,374.39	204.86
33 05 63 00-0226	EA		48" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,069.14	204.86
33 05 63 00-0227	EA		48" x 48", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,268.02	204.86
33 05 63 00-0228	EA		48" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,738.31	218.51
33 05 63 00-0229	EA		48" x 72", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,236.76	218.51
33 05 63 00-0230	EA		48" x 96", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	4,342.92	218.51
33 05 63 00-0231 Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0105)</small>					
33 05 63 00-0232	EA		13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	398.37	63.10
33 05 63 00-0233	EA		17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	462.50	63.10
33 05 63 00-0234	EA		6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	164.56	18.94
33 05 63 00-0235	EA		12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	247.48	18.94
33 05 63 00-0236	EA		8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	310.83	18.94
33 05 63 00-0237	EA		8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	320.62	18.94
33 05 63 00-0238	EA		11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	309.99	42.07
33 05 63 00-0239	EA		11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	337.95	42.07
33 05 63 00-0240	EA		8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	233.67	18.94
33 05 63 00-0241	EA		11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	323.48	42.07
33 05 63 00-0242	EA		11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	358.53	42.07
33 05 63 00-0243	EA		11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	313.04	42.07
33 05 63 00-0244	EA		13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	418.99	63.10
33 05 63 00-0245	EA		13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	466.90	63.10
33 05 63 00-0246	EA		17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	497.93	63.10
33 05 63 00-0247	EA		17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	535.88	63.10
33 05 63 00-0248	EA		17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	570.76	63.10
33 05 63 00-0249	EA		17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	603.72	63.10
33 05 63 00-0250	EA		17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	662.74	63.10
33 05 63 00-0251	EA		17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	670.93	63.10
33 05 63 00-0252	EA		24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	842.79	84.14
33 05 63 00-0253	EA		24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	897.16	115.69
33 05 63 00-0254	EA		24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,068.69	115.69
33 05 63 00-0255	EA		24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,238.30	115.69
33 05 63 00-0256	EA		24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,351.16	115.69
33 05 63 00-0257	EA		24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,464.03	115.69
33 05 63 00-0258	EA		30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,286.99	191.20
33 05 63 00-0259	EA		30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,411.43	191.20
33 05 63 00-0260	EA		30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,631.54	191.20
33 05 63 00-0261 Footed, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0105)</small>					
33 05 63 00-0262	EA		17" x 30", 12" Depth, 5,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	335.89	63.10
33 05 63 00-0263	EA		11" x 18", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	226.69	42.07



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0264	EA		11" x 18", 18" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	253.71	42.07
33 05 63 00-0265	EA		13" x 24", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	300.82	63.10
33 05 63 00-0266	EA		11" x 18", 12" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	235.54	42.07
33 05 63 00-0267	EA		11" x 18", 18" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	261.42	42.07
33 05 63 00-0268 Polymer Concrete Handhole Enclosure Extensions (33 05 63 00-0069)					
33 05 63 00-0269	EA		13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	250.51	63.10
33 05 63 00-0270	EA		17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	278.67	63.10
33 05 63 00-0271	EA		24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	323.36	84.14
33 05 63 00-0272	EA		24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	351.01	84.14
33 05 63 00-0273	EA		24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	420.65	115.69
33 05 63 00-0274	EA		36" x 36", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	737.95	191.20
33 05 63 00-0275	EA		30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	707.72	191.20
33 05 63 00-0276	EA		30" x 48", 11" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	714.32	191.20
33 05 63 00-0277	EA		36" x 60", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	947.54	204.86
33 05 63 00-0278	EA		48" x 72", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,471.71	218.51
33 05 63 00-0279	EA		48" x 96", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,910.77	218.51
33 05 63 00-0280	EA		13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	398.26	63.10
33 05 63 00-0281	EA		17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	415.46	63.10
33 05 63 00-0282	EA		24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	449.39	84.14
33 05 63 00-0283	EA		24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	477.34	84.14
33 05 63 00-0284	EA		24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	558.88	115.69
33 05 63 00-0285	EA		30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	903.07	191.20
33 05 63 00-0286	EA		13" x 24", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	314.17	63.10
33 05 63 00-0287	EA		17" x 30", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	348.10	63.10
33 05 63 00-0288	EA		24" x 36", 4" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	469.33	115.69
33 05 63 00-0289	EA		36" x 60", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	915.18	204.86
33 05 63 00-0290 Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0069)					
33 05 63 00-0291 Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0290)					
33 05 63 00-0292	EA		5" x 16", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	85.04	8.42
33 05 63 00-0293	EA		10" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	86.13	8.42
33 05 63 00-0294	EA		12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	79.93	8.42
33 05 63 00-0295	EA		8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	86.34	8.42
33 05 63 00-0296	EA		11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	87.18	8.42
33 05 63 00-0297	EA		13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	99.80	8.42
33 05 63 00-0298	EA		17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	115.42	8.42
33 05 63 00-0299	EA		30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	751.80	24.59
33 05 63 00-0300	EA		30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	658.67	24.59
33 05 63 00-0301	EA		36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	983.04	24.59
33 05 63 00-0302	EA		48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	994.10	24.59
33 05 63 00-0303	EA		36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,125.35	24.59
33 05 63 00-0304	EA		48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,225.60	24.59
33 05 63 00-0305	EA		48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,965.77	24.59
33 05 63 00-0306	EA		10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	73.06	8.42
33 05 63 00-0307	EA		11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	104.05	8.42
33 05 63 00-0308	EA		11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	105.49	8.42
33 05 63 00-0309	EA		13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	132.35	8.42
33 05 63 00-0310	EA		13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	100.20	8.42
33 05 63 00-0311	EA		17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	156.31	8.42
33 05 63 00-0312	EA		17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	123.03	8.42
33 05 63 00-0313	EA		27" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	250.97	8.42
33 05 63 00-0314	EA		24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	220.79	12.62
33 05 63 00-0315	EA		24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	276.17	12.62
33 05 63 00-0316	EA		39" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	355.69	14.73
33 05 63 00-0317	EA		36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	499.23	19.12
33 05 63 00-0318	EA		30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	519.21	36.42
33 05 63 00-0319	EA		11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	133.96	8.42
33 05 63 00-0320	EA		13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	190.39	8.42

33 Utilities
33 05 Common Work Results For Utilities
33 05 63 Concrete Vaults and Chambers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0321 EA 17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	216.44	8.42
33 05 63 00-0322 EA 27" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	358.95	8.42
33 05 63 00-0323 EA 24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	296.92	12.62
33 05 63 00-0324 EA 39" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	500.69	14.73
33 05 63 00-0325 EA 36" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	656.30	19.12
33 05 63 00-0326 EA 30" x 59", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	885.31	24.59
33 05 63 00-0327 EA 30" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	787.74	24.59
33 05 63 00-0328 EA 36" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	1,098.02	24.59
33 05 63 00-0329 EA 48" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	1,428.00	24.59
33 05 63 00-0330 EA 36" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	1,367.81	24.59
33 05 63 00-0331 EA 48" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	2,073.23	24.59
33 05 63 00-0332 EA 48" x 96", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	3,199.17	24.59
33 05 63 00-0333 EA 11" x 18", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	175.77	8.42
33 05 63 00-0334 EA 11" x 20", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	192.08	8.42
33 05 63 00-0335 EA 13" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	252.46	8.42
33 05 63 00-0336 EA 17" x 30", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	287.50	8.42
33 05 63 00-0337 EA 27" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	495.88	8.42
33 05 63 00-0338 EA 24" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	361.45	12.62
33 05 63 00-0339 EA 24" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	493.38	12.62
33 05 63 00-0340 EA 39" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	764.14	14.73
33 05 63 00-0341 EA 36" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	874.94	19.12
33 05 63 00-0342 EA 30" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	910.69	36.42
33 05 63 00-0343 EA 30" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	1,053.30	24.59
33 05 63 00-0344 EA 36" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	1,468.14	24.59
33 05 63 00-0345 EA 48" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	2,051.64	24.59
33 05 63 00-0346 EA 36" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	1,831.43	24.59
33 05 63 00-0347 EA 48" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	3,031.20	24.59
33 05 63 00-0348 EA 48" x 96", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	4,675.49	24.59

33 05 63 00-0349 Polymer Concrete Handhole Enclosure Covers With Gaskets (33 05 63 00-0290)

33 05 63 00-0350 EA 12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	97.46	8.42
33 05 63 00-0351 EA 8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	102.91	8.42
33 05 63 00-0352 EA 11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	104.71	8.42
33 05 63 00-0353 EA 13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	105.38	8.42
33 05 63 00-0354 EA 17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	121.38	8.42
33 05 63 00-0355 EA 10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	78.09	8.42
33 05 63 00-0356 EA 11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	109.21	8.42
33 05 63 00-0357 EA 11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	110.21	8.42
33 05 63 00-0358 EA 13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	137.67	8.42
33 05 63 00-0359 EA 13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket.....	105.99	8.42
33 05 63 00-0360 EA 17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket.....	129.15	8.42
33 05 63 00-0361 EA 17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	161.94	8.42
33 05 63 00-0362 EA 24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	224.57	12.62
33 05 63 00-0363 EA 24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	281.97	12.62
33 05 63 00-0364 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	525.17	36.42
33 05 63 00-0365 EA 6" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	65.28	8.42
33 05 63 00-0366 EA 8" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	101.20	8.42
33 05 63 00-0367 EA 8" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	112.41	8.42
33 05 63 00-0368 EA 12" x 12", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	107.43	8.42
33 05 63 00-0369 EA 10" x 15", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	88.79	8.42
33 05 63 00-0370 EA 11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	139.11	8.42
33 05 63 00-0371 EA 11" x 20", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	150.73	8.42
33 05 63 00-0372 EA 13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	195.87	8.42
33 05 63 00-0373 EA 17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	222.39	8.42
33 05 63 00-0374 EA 24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	302.24	12.62
33 05 63 00-0375 EA 24" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	376.81	12.62
33 05 63 00-0376 EA 30" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	689.95	36.42

33 05 63 00-0377 Polymer Concrete Handhole Enclosure Covers Without Bolts (33 05 63 00-0290)

33 05 63 00-0378 EA 6" x 9", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	52.92	8.42
33 05 63 00-0379 EA 7" x 13", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	62.59	8.42
33 05 63 00-0380 EA 12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	75.60	8.42
33 05 63 00-0381 EA 8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	81.38	8.42
33 05 63 00-0382 EA 11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	81.24	8.42
33 05 63 00-0383 EA 13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	96.06	8.42
33 05 63 00-0384 EA 17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	110.62	8.42
33 05 63 00-0385 EA 24" x 36", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	266.68	12.62
33 05 63 00-0386 EA 30" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	497.52	36.42
33 05 63 00-0387 EA 30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	743.66	24.59
33 05 63 00-0388 EA 30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	649.48	24.59
33 05 63 00-0389 EA 48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	967.92	24.59
33 05 63 00-0390 EA 36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	934.25	24.59
33 05 63 00-0391 EA 36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	1,116.57	24.59
33 05 63 00-0392 EA 48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	1,193.17	24.59
33 05 63 00-0393 EA 48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	1,903.44	24.59
33 05 63 00-0394 EA 10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	70.31	8.42
33 05 63 00-0395 EA 10" x 16", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	68.69	8.42



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0396 EA 11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	100.57	8.42
33 05 63 00-0397 EA 11" x 21", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	110.33	8.42
33 05 63 00-0398 EA 13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	124.64	8.42
33 05 63 00-0399 EA 13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	95.22	8.42
33 05 63 00-0400 EA 18" x 19", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	105.99	8.42
33 05 63 00-0401 EA 17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	149.55	8.42
33 05 63 00-0402 EA 24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	216.42	12.62
33 05 63 00-0403 EA 20" x 42", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	269.69	12.62
33 05 63 00-0404 EA 24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	266.52	12.62
33 05 63 00-0405 EA 36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	479.45	19.12
33 05 63 00-0406 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	497.52	21.85
33 05 63 00-0407	Overlapping, Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0290)	
33 05 63 00-0408 EA 30" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	774.00	24.59
33 05 63 00-0409 EA 36" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	1,117.69	24.59
33 05 63 00-0410 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	649.75	36.42
33 05 63 00-0411 EA 30" x 48", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	859.56	36.42
33 05 63 00-0412 EA 30" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	918.32	24.59
33 05 63 00-0413 EA 36" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	1,249.10	24.59
33 05 63 00-0414	Split, Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0290)	
33 05 63 00-0415 EA 24" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	302.33	12.62
33 05 63 00-0416 EA 36" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	561.13	19.12
33 05 63 00-0417 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	587.23	36.42
33 05 63 00-0418 EA 6" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	50.23	8.42
33 05 63 00-0419 EA 8" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	81.90	8.42
33 05 63 00-0420 EA 12" x 12", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	89.90	8.42
33 05 63 00-0421 EA 8" x 18", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	95.21	8.42
33 05 63 00-0422 EA 10" x 15", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	83.80	8.42
33 05 63 00-0423 EA 11" x 20", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	146.02	8.42
33 05 63 00-0424 EA 24" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	404.05	12.62
33 05 63 00-0425 EA 36" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	744.58	19.12
33 05 63 00-0426 EA 30" x 48", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	780.79	36.42
33 05 63 00-0427	Precast Concrete Handholes With Steel Cover (33 05 63 00-0068)	
Note: 8000 To 12000 pound traffic rated top. Includes cover stamped with utility (Electrical, Sewer, Water, Etc.).		
33 05 63 00-0428 EA 12" x 12" x 12" Precast Concrete Handholes With Steel Cover.....	669.19	195.43
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 18.00		
33 05 63 00-0429 EA 12" x 24" x 21" Precast Concrete Handholes With Steel Cover.....	1,117.18	293.14
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 92.96		
33 05 63 00-0430 EA 18" x 30" x 18" Precast Concrete Handholes With Steel Cover.....	1,361.94	390.86
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 159.30		
33 05 63 00-0431 EA 24" x 24" x 24" Precast Concrete Handholes With Steel Cover.....	1,411.47	390.86
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 199.27		
33 05 63 00-0432 EA 24" x 24" x 30" Precast Concrete Handholes With Steel Cover.....	1,665.63	488.58
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 238.20		
33 05 63 00-0433 EA 30" x 36" x 30" Precast Concrete Handholes With Steel Cover.....	1,748.10	488.58
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 266.59		
33 05 63 00-0434 EA 36" x 36" x 48" Precast Concrete Handholes With Steel Cover.....	2,024.46	586.29
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 309.91		
33 05 63 00-0435 EA 48" x 48" x 48" Precast Concrete Handholes With Steel Cover.....	2,326.80	684.01
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 446.62		
33 05 63 00-0436 EA 48" x 72" x 36" Precast Concrete Handholes With Steel Cover.....	2,268.66	586.29
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 499.23		
33 05 63 00-0437 EA 54" x 38" x 24" Precast Concrete Handholes With Steel Cover.....	2,289.66	586.29
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 329.03		
33 05 63 00-0438 EA 6" Diameter Precast Concrete Handholes With Steel Cover.....	534.76	195.43
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 15.00		
33 05 63 00-0439 EA 9" Diameter Precast Concrete Handholes With Steel Cover.....	627.85	219.86
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 15.00		
33 05 63 00-0440 EA 12" Diameter Precast Concrete Handholes With Steel Cover.....	765.18	244.29
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 15.00		

33 05 84 Accessories for Utility Structures (33 05)

33 Utilities**33 05 Common Work Results For Utilities****33 05 84 Accessories for Utility Structures**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

See CSI section 22 13 19 26-0044 for oil interceptors, 22 13 23 00-0000 for sediment interceptors, 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 05 84 00-0001		Manhole Accessories (33 05 84)		
33 05 84 00-0002		Precast Concrete Manhole Tops (33 05 84 00-0001)		
33 05 84 00-0003		Precast Concrete Manhole Slab Tops (33 05 84 00-0002)		
33 05 84 00-0004	EA	3' Diameter x 8" Thick Precast Manhole Top Slab.....	437.97	63.33
33 05 84 00-0005	EA	4' Diameter x 8" Thick Precast Manhole Top Slab.....	602.55	68.40
33 05 84 00-0006	EA	5' Diameter x 8" Thick Precast Manhole Top Slab.....	805.50	73.46
33 05 84 00-0007	EA	6' Diameter x 8" Thick Precast Manhole Top Slab.....	959.89	78.53
33 05 84 00-0008		Precast Concrete Manhole Cone Tops (33 05 84 00-0002)		
33 05 84 00-0009	EA	3' Diameter x 8" Thick Precast Manhole Top Cone.....	685.94	79.17
33 05 84 00-0010	EA	3'-6" Diameter x 8" Thick Precast Manhole Top Cone.....	760.15	82.33
33 05 84 00-0011	EA	4' Diameter x 8" Thick Precast Manhole Top Cone.....	834.38	85.50
33 05 84 00-0012	EA	5' Diameter x 8" Thick Precast Manhole Top Cone.....	978.57	90.77
33 05 84 00-0013	EA	6' Diameter x 8" Thick Precast Manhole Top Cone.....	1,127.01	97.10
33 05 84 00-0014	EA	7' Diameter x 8" Thick Precast Manhole Top Cone.....	1,760.75	103.44
33 05 84 00-0015	EA	8' Diameter x 10" Thick Precast Manhole Top Cone.....	2,203.42	113.99
33 05 84 00-0016		Pipe To Manhole Connector (33 05 84 00-0001)		
33 05 84 00-0017		Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connectors (33 05 84 00-0016)		
33 05 84 00-0018	EA	4" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	71.38	
33 05 84 00-0019	EA	6" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	105.32	
33 05 84 00-0020	EA	8" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	118.73	
33 05 84 00-0021	EA	10" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	179.94	
33 05 84 00-0022	EA	12" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	251.60	
33 05 84 00-0023	EA	15" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	332.89	
33 05 84 00-0024	EA	18" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	600.39	
33 05 84 00-0025	EA	21" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	833.99	
33 05 84 00-0026	EA	24" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	1,316.41	
33 05 84 00-0027	EA	27" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	1,549.76	
33 05 84 00-0028		Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout (33 05 84 00-0016) Note: Fernco CMA.		
33 05 84 00-0029	EA	4" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	79.72	
33 05 84 00-0030	EA	6" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	109.87	
33 05 84 00-0031	EA	8" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	138.56	
33 05 84 00-0032	EA	10" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	167.15	
33 05 84 00-0033	EA	12" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	194.09	
33 05 84 00-0034		Brick And Grout Pipe To Manhole Connector (33 05 84 00-0016)		
33 05 84 00-0035	EA	Seal Gap Between Pipe And Structure With Brick And Grout.....	209.89	
33 05 84 00-0036		Inverts For Manholes (33 05 84 00-0001)		
33 05 84 00-0037	EA	Single Channel Concrete Invert For Manholes.....	362.43	
33 05 84 00-0038	EA	Double Channel Concrete Invert For Manholes.....	523.07	
33 05 84 00-0039	EA	Triple Channel Concrete Invert For Manholes.....	704.34	
33 05 84 00-0040	EA	Quad Channel Concrete Invert For Manholes.....	885.58	
33 05 84 00-0041	EA	Single Channel Brick Invert For Manholes.....	572.50	
33 05 84 00-0042	EA	Double Channel Brick Invert For Manholes.....	856.62	
33 05 84 00-0043	EA	Triple Channel Brick Invert For Manholes.....	1,145.50	
33 05 84 00-0044	EA	Quad Channel Brick Invert For Manholes.....	1,431.67	
33 05 84 00-0045		Steps For Cast-In-Place Manholes (33 05 84 00-0001) See CSI section 33 01 30 81-0032 for installation of steps in existing manholes.		
33 05 84 00-0046	EA	Cast Iron Manhole Step For New Manholes.....	68.48	
33 05 84 00-0047	EA	Galvanized Steel Manhole Step For New Manholes.....	43.96	
33 05 84 00-0048	EA	Aluminum Manhole Step For New Manholes.....	56.30	
33 05 84 00-0049	EA	Polypropylene Manhole Step For New Manholes.....	35.06	
33 05 84 00-0050		Protective Coating For New Manholes (33 05 84 00-0001)		
33 05 84 00-0051		Polyurethane Protective Coating For New Manholes (33 05 84 00-0050)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0052 VLF 60 Mil Polyurethane Coating Of 3' Diameter Manhole Interior	147.89	
For 80 Mil Material, Add	19.83	
For 100 Mil Material, Add	39.67	
For 125 Mil Material, Add	62.32	
For 150 Mil Material, Add	84.98	
For 200 Mil Material, Add	124.58	
For 2 To 5 Manholes, Deduct	-10.25	
For 6 To 10 Manholes, Deduct	-16.79	
For >10 Manholes, Deduct	-33.59	
33 05 84 00-0053 VLF 60 Mil Polyurethane Coating Of 3-1/2' Diameter Manhole Interior	178.90	
For 80 Mil Material, Add	23.62	
For 100 Mil Material, Add	47.25	
For 125 Mil Material, Add	74.17	
For 150 Mil Material, Add	101.08	
For 200 Mil Material, Add	147.95	
For 2 To 5 Manholes, Deduct	-12.43	
For 6 To 10 Manholes, Deduct	-20.39	
For >10 Manholes, Deduct	-40.77	
33 05 84 00-0054 VLF 60 Mil Polyurethane Coating Of 4' Diameter Manhole Interior	197.17	
For 80 Mil Material, Add	26.44	
For 100 Mil Material, Add	52.88	
For 125 Mil Material, Add	83.08	
For 150 Mil Material, Add	113.28	
For 200 Mil Material, Add	166.08	
For 2 To 5 Manholes, Deduct	-13.66	
For 6 To 10 Manholes, Deduct	-22.39	
For >10 Manholes, Deduct	-44.78	
33 05 84 00-0055 VLF 60 Mil Polyurethane Coating Of 5' Diameter Manhole Interior	246.51	
For 80 Mil Material, Add	33.07	
For 100 Mil Material, Add	66.13	
For 125 Mil Material, Add	103.90	
For 150 Mil Material, Add	141.67	
For 200 Mil Material, Add	207.70	
For 2 To 5 Manholes, Deduct	-17.08	
For 6 To 10 Manholes, Deduct	-27.99	
For >10 Manholes, Deduct	-55.98	
33 05 84 00-0056 VLF 60 Mil Polyurethane Coating Of 6' Diameter Manhole Interior	285.68	
For 80 Mil Material, Add	38.92	
For 100 Mil Material, Add	77.84	
For 125 Mil Material, Add	122.40	
For 150 Mil Material, Add	166.96	
For 200 Mil Material, Add	245.18	
For 2 To 5 Manholes, Deduct	-19.73	
For 6 To 10 Manholes, Deduct	-32.32	
For >10 Manholes, Deduct	-64.65	
33 05 84 00-0057 Polyvinyl Chloride (PVC) Liner <small>(33 05 84 00-0050)</small>		
Note: For new manholes and shop applied.		
33 05 84 00-0058 VLF 3' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	159.09	
33 05 84 00-0059 VLF 3-1/2' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	195.01	
33 05 84 00-0060 VLF 4' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	237.99	
33 05 84 00-0061 VLF 5' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	298.87	
33 05 84 00-0062 VLF 6' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	359.75	
33 05 84 00-0063 SF Polyvinyl Chloride (PVC) Liner At Structures	35.28	
33 05 84 00-0064 Concrete Grade Extensions/Grade Rings <small>(33 05 84 00-0001)</small>		
33 05 84 00-0065 18" Diameter, Concrete Grade Extensions/Grade Rings <small>(33 05 84 00-0064)</small>		
33 05 84 00-0066 EA 4" Rise, 18" Diameter, Concrete Grade Extensions/Grade Rings	67.33	
33 05 84 00-0067 EA 6" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	73.20	
33 05 84 00-0068 EA 8" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	79.06	
33 05 84 00-0069 EA 10" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	84.93	
33 05 84 00-0070 24" Diameter, Concrete Grade Extensions/Grade Rings <small>(33 05 84 00-0064)</small>		
33 05 84 00-0071 EA 4" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	75.55	
33 05 84 00-0072 EA 6" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	82.22	
33 05 84 00-0073 EA 8" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	88.89	
33 05 84 00-0074 EA 10" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	95.55	
33 05 84 00-0075 30" Diameter, Concrete Grade Extensions/Grade Rings <small>(33 05 84 00-0064)</small>		
33 05 84 00-0076 EA 4" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	83.61	
33 05 84 00-0077 EA 6" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	91.04	
33 05 84 00-0078 EA 8" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	98.47	
33 05 84 00-0079 EA 10" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	105.91	
33 05 84 00-0080 Bentonite Collar <small>(33 05 84 00-0001)</small>		
33 05 84 00-0081 Bentonite Collar At Manhole Connections <small>(33 05 84 00-0080)</small>		
33 05 84 00-0082 EA Up To 12" Pipe, Bentonite Collar At Manhole Connection	109.68	

33 Utilities**33 05 Common Work Results For Utilities****33 05 84 Accessories for Utility Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0083 EA >12" To 21", Bentonite Collar At Manhole Connection.....	173.98	
33 05 84 00-0084 EA >21" To 30" Pipe, Bentonite Collar At Manhole Connection	277.96	
33 05 84 00-0085 EA >30" To 36" Pipe, Bentonite Collar At Manhole Connection	652.34	
33 05 84 00-0086 EA >36" To 48" Pipe, Bentonite Collar At Manhole Connection	1,002.27	
33 05 84 00-0087 EA >48" To 60" Pipe, Bentonite Collar At Manhole Connection	1,815.45	
33 05 84 00-0088 Manhole Covers And Frames (33 05 84)		
Note: Includes moisture-tight masonry joints and waterproof grouting.		
33 05 84 00-0089 Regular Manhole Covers And Frames, City Type (33 05 84 00-0088)		
33 05 84 00-0090 EA 18" Square, Gray Iron, Manhole Cover With Frame	817.04	72.61
For Ductile Iron Castings, Add	418.25	
33 05 84 00-0091 EA 18" Diameter, Gray Iron, Manhole Cover With Frame.....	509.57	72.61
For Ductile Iron Castings, Add	203.02	
33 05 84 00-0092 EA 24" Diameter, Gray Iron, Manhole Cover With Frame.....	588.66	84.44
For Ductile Iron Castings, Add	234.73	
33 05 84 00-0093 EA 24" Square, Gray Iron, Manhole Cover With Frame	864.11	93.73
For Ductile Iron Castings, Add	407.85	
33 05 84 00-0094 EA 26" Diameter, Gray Iron, Manhole Cover With Frame.....	767.41	101.33
For Ductile Iron Castings, Add	323.55	
33 05 84 00-0095 EA 30" Diameter, Gray Iron, Manhole Cover With Frame.....	799.69	105.55
For Ductile Iron Castings, Add	338.14	
33 05 84 00-0096 Watertight Type Manhole Covers And Frames (33 05 84 00-0088)		
33 05 84 00-0097 EA 20" Diameter, Gray Iron, Watertight Manhole Cover With Frame	898.42	59.95
For Ductile Iron Castings, Add	461.85	
33 05 84 00-0098 EA 22" Diameter, Gray Iron, Watertight Manhole Cover With Frame	920.24	59.95
For Ductile Iron Castings, Add	463.37	
33 05 84 00-0099 EA 24" Diameter, Gray Iron, Watertight Manhole Cover With Frame	947.79	70.09
For Ductile Iron Castings, Add	466.42	
33 05 84 00-0100 EA 26" Diameter, Gray Iron, Watertight Manhole Cover With Frame	1,113.21	78.53
For Ductile Iron Castings, Add	565.61	
33 05 84 00-0101 EA 30" Diameter, Gray Iron, Watertight Manhole Cover With Frame	1,270.52	80.21
For Ductile Iron Castings, Add	667.72	
33 05 84 00-0102 EA 32" Diameter, Gray Iron, Watertight Manhole Cover With Frame	1,330.80	81.90
For Ductile Iron Castings, Add	707.01	
33 05 84 00-0103 EA 36" Diameter, Gray Iron, Watertight Manhole Cover With Frame	1,385.13	84.44
For Ductile Iron Castings, Add	742.03	
33 05 84 00-0104 Aluminum Manhole Covers And Frames (33 05 84 00-0088)		
33 05 84 00-0105 EA 12" Square Aluminum Manhole Cover With Frame	641.39	25.19
33 05 84 00-0106 EA 18" Square Aluminum Manhole Cover With Frame	1,152.57	27.89
33 05 84 00-0107 EA 24" Square Aluminum Manhole Cover With Frame	1,643.57	32.38
33 05 84 00-0108 Remove And Reinstall Manhole Cover And Frame (33 05 84 00-0088)		
Note: Includes surrounding asphalt removal and repair. Excludes saw cutting.		
33 05 84 00-0109 EA Removal And Reinstallation Of Manhole Cover And Frame	338.55	
33 05 84 00-0110 Rainguard Inflow Protectors (33 05 84 00-0088)		
33 05 84 00-0111 EA 18" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	97.92	17.88
33 05 84 00-0112 EA 22" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	110.87	17.88
33 05 84 00-0113 EA 24" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	132.63	21.45
33 05 84 00-0114 EA 26" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	140.81	21.45
33 05 84 00-0115 EA 30" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	173.36	25.03
33 05 84 00-0116 EA 32" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	183.41	25.03
33 05 84 00-0117 Waste Water Collection System Taps (33 05 84)		
Note: For tapping existing structures only. Includes grout.		
33 05 84 00-0118 Brick Manhole Taps (33 05 84 00-0117)		
33 05 84 00-0119 EA 4" Tap In 6" Brick Manhole.....	433.98	
33 05 84 00-0120 EA 6" Tap In 6" Brick Manhole.....	483.35	
33 05 84 00-0121 EA 8" Tap In 6" Brick Manhole.....	531.85	
33 05 84 00-0122 EA 10" Tap In 6" Brick Manhole.....	580.26	
33 05 84 00-0123 EA 12" Tap In 6" Brick Manhole.....	642.80	
33 05 84 00-0124 EA 15" Tap In 6" Brick Manhole.....	691.10	
33 05 84 00-0125 Precast Concrete Manhole Tap (33 05 84 00-0117)		
33 05 84 00-0126 EA 4" Tap In Existing Precast Concrete Manhole.....	609.66	
33 05 84 00-0127 EA 6" Tap In Existing Precast Concrete Manhole.....	683.73	
33 05 84 00-0128 EA 8" Tap In Existing Precast Concrete Manhole.....	763.37	
33 05 84 00-0129 EA 10" Tap In Existing Precast Concrete Manhole.....	835.97	
33 05 84 00-0130 EA 12" Tap In Existing Precast Concrete Manhole.....	908.44	
33 05 84 00-0131 EA 15" Tap In Existing Precast Concrete Manhole.....	982.65	
33 05 84 00-0132 EA 18" Tap In Existing Precast Concrete Manhole.....	1,126.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 05 84 00-0133 EA 24" Tap In Existing Precast Concrete Manhole 1,444.95

33 05 97 Identification and Signage for Utilities (33 05)

33 05 97 23 Utility Identification Warning Tape (33 05 97)

33 05 97 23-0001 Non-Detectable Utility Warning Tape (33 05 97 23)

Note: Labor installation is included with pipe and excavation..

33 05 97 23-0002 CLF 3" Non-Detectable Utility Warning Tape 5.56
 33 05 97 23-0003 CLF 6" Non-Detectable Utility Warning Tape 7.47

33 05 97 23-0004 Detectable Utility Warning Tape (33 05 97 23)

Note: Labor installation is included with pipe and excavation..

33 05 97 23-0005 CLF 2" Detectable Utility Warning Tape 5.54
 33 05 97 23-0006 CLF 3" Detectable Utility Warning Tape 7.30
 33 05 97 23-0007 CLF 6" Detectable Utility Warning Tape 11.14

33 10 Water Utilities (33)

33 11 Groundwater Sources (33 10)

33 11 13 Potable Water Supply Wells (33 11)

33 11 13 00-0001 Drill And Test Water Well (33 11 13)

33 11 13 00-0002 Drill Hole (33 11 13 00-0001)

Note: Excludes loading and hauling of spoils.

33 11 13 00-0003 Mobilization And Demobilization (33 11 13 00-0002)

33 11 13 00-0004 EA Up To 12" Diameter, Well Drilling Mobilization And Demobilization..... 793.66
 33 11 13 00-0005 EA >12" To 24" Diameter, Well Drilling Mobilization And Demobilization 975.58
 33 11 13 00-0006 EA >24" To 36" Diameter, Well Drilling Mobilization And Demobilization 1,463.38

33 11 13 00-0007 Drill Hole In Normal Soil, Sand, Gravel, O.B. (33 11 13 00-0002)

Note: Excludes well casing, gravel or materials.

33 11 13 00-0008 LF 6" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. 18.90
For >100 To 250, Add 0.47
For >250 To 400, Add 0.95
For >400 To 600, Add 1.42
For >600 To 750, Add 1.89
For >750, Add 2.36

33 11 13 00-0009 LF 8" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. 22.44
For >100 To 250, Add 0.56
For >250 To 400, Add 1.12
For >400 To 600, Add 1.68
For >600 To 750, Add 2.24
For >750, Add 2.81

33 11 13 00-0010 LF 10" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. 30.00
For >100 To 250, Add 0.75
For >250 To 400, Add 1.50
For >400 To 600, Add 2.25
For >600 To 750, Add 3.00
For >750, Add 3.75

33 11 13 00-0011 LF 12" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. 46.95
For >100 To 250, Add 1.17
For >250 To 400, Add 2.35
For >400 To 600, Add 3.52
For >600 To 750, Add 4.70
For >750, Add 5.87

33 11 13 00-0012 LF 14" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. 67.56
For >100 To 250, Add 1.69
For >250 To 400, Add 3.38
For >400 To 600, Add 5.07
For >600 To 750, Add 6.76
For >750, Add 8.45

33 11 13 00-0013 LF 16" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. 88.29
For >100 To 250, Add 2.21
For >250 To 400, Add 4.41
For >400 To 600, Add 6.62
For >600 To 750, Add 8.83
For >750, Add 11.04

33 11 13 00-0014 LF 18" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. 104.87
For >100 To 250, Add 2.62
For >250 To 400, Add 5.24
For >400 To 600, Add 7.87
For >600 To 750, Add 10.49
For >750, Add 13.11

33	Utilities
33 10	Water Utilities
33 11	Groundwater Sources



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0015 LF 20" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	121.95	
For >100 To 250, Add	3.05	
For >250 To 400, Add	6.10	
For >400 To 600, Add	9.15	
For >600 To 750, Add	12.20	
For >750, Add	15.24	
33 11 13 00-0016 LF 22" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	143.28	
For >100 To 250, Add	3.58	
For >250 To 400, Add	7.16	
For >400 To 600, Add	10.75	
For >600 To 750, Add	14.33	
For >750, Add	17.91	
33 11 13 00-0017 LF 24" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	168.89	
For >100 To 250, Add	4.22	
For >250 To 400, Add	8.44	
For >400 To 600, Add	12.67	
For >600 To 750, Add	16.89	
For >750, Add	21.11	
33 11 13 00-0018 LF 26" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	182.55	
For >100 To 250, Add	4.56	
For >250 To 400, Add	9.13	
For >400 To 600, Add	13.69	
For >600 To 750, Add	18.26	
For >750, Add	22.82	
33 11 13 00-0019 LF 28" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	200.85	
For >100 To 250, Add	5.02	
For >250 To 400, Add	10.04	
For >400 To 600, Add	15.06	
For >600 To 750, Add	20.09	
For >750, Add	25.11	
33 11 13 00-0020 LF 30" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	220.00	
For >100 To 250, Add	5.50	
For >250 To 400, Add	11.00	
For >400 To 600, Add	16.50	
For >600 To 750, Add	22.00	
For >750, Add	27.50	
33 11 13 00-0021 LF 36" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	273.65	
For >100 To 250, Add	6.84	
For >250 To 400, Add	13.68	
For >400 To 600, Add	20.52	
For >600 To 750, Add	27.37	
For >750, Add	34.21	
33 11 13 00-0022 Drill Hole In Sedimentary Rock <small>(33 11 13 00-0002)</small>	38.54	
33 11 13 00-0023 LF 6" Water Well Hole Drilled In Sedimentary Rock	0.96	
For >100 To 250, Add	1.93	
For >250 To 400, Add	2.89	
For >400 To 600, Add	3.85	
For >600 To 750, Add	4.82	
33 11 13 00-0024 LF 8" Water Well Hole Drilled In Sedimentary Rock	44.87	
For >100 To 250, Add	1.12	
For >250 To 400, Add	2.24	
For >400 To 600, Add	3.37	
For >600 To 750, Add	4.49	
For >750, Add	5.61	
33 11 13 00-0025 LF 10" Water Well Hole Drilled In Sedimentary Rock	71.85	
For >100 To 250, Add	1.80	
For >250 To 400, Add	3.59	
For >400 To 600, Add	5.39	
For >600 To 750, Add	7.19	
For >750, Add	8.98	
33 11 13 00-0026 LF 12" Water Well Hole Drilled In Sedimentary Rock	93.94	
For >100 To 250, Add	2.35	
For >250 To 400, Add	4.70	
For >400 To 600, Add	7.05	
For >600 To 750, Add	9.39	
For >750, Add	11.74	
33 11 13 00-0027 LF 14" Water Well Hole Drilled In Sedimentary Rock	135.22	
For >100 To 250, Add	3.38	
For >250 To 400, Add	6.76	
For >400 To 600, Add	10.14	
For >600 To 750, Add	13.52	
For >750, Add	16.90	
33 11 13 00-0028 LF 16" Water Well Hole Drilled In Sedimentary Rock	176.49	
For >100 To 250, Add	4.41	
For >250 To 400, Add	8.82	
For >400 To 600, Add	13.24	
For >600 To 750, Add	17.65	
For >750, Add	22.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0029 LF 18" Water Well Hole Drilled In Sedimentary Rock	209.85	
<i>For >100 To 250, Add</i>	5.25	
<i>For >250 To 400, Add</i>	10.49	
<i>For >400 To 600, Add</i>	15.74	
<i>For >600 To 750, Add</i>	20.99	
<i>For >750, Add</i>	26.23	
33 11 13 00-0030 LF 20" Water Well Hole Drilled In Sedimentary Rock	243.51	
<i>For >100 To 250, Add</i>	6.09	
<i>For >250 To 400, Add</i>	12.18	
<i>For >400 To 600, Add</i>	18.26	
<i>For >600 To 750, Add</i>	24.35	
<i>For >750, Add</i>	30.44	
33 11 13 00-0031 LF 22" Water Well Hole Drilled In Sedimentary Rock	286.82	
<i>For >100 To 250, Add</i>	7.17	
<i>For >250 To 400, Add</i>	14.34	
<i>For >400 To 600, Add</i>	21.51	
<i>For >600 To 750, Add</i>	28.68	
<i>For >750, Add</i>	35.85	
33 11 13 00-0032 LF 24" Water Well Hole Drilled In Sedimentary Rock	331.31	
<i>For >100 To 250, Add</i>	8.28	
<i>For >250 To 400, Add</i>	16.57	
<i>For >400 To 600, Add</i>	24.85	
<i>For >600 To 750, Add</i>	33.13	
<i>For >750, Add</i>	41.41	
33 11 13 00-0033 LF 26" Water Well Hole Drilled In Sedimentary Rock	365.11	
<i>For >100 To 250, Add</i>	9.13	
<i>For >250 To 400, Add</i>	18.26	
<i>For >400 To 600, Add</i>	27.38	
<i>For >600 To 750, Add</i>	36.51	
<i>For >750, Add</i>	45.64	
33 11 13 00-0034 LF 28" Water Well Hole Drilled In Sedimentary Rock	401.70	
<i>For >100 To 250, Add</i>	10.04	
<i>For >250 To 400, Add</i>	20.09	
<i>For >400 To 600, Add</i>	30.13	
<i>For >600 To 750, Add</i>	40.17	
<i>For >750, Add</i>	50.21	
33 11 13 00-0035 LF 30" Water Well Hole Drilled In Sedimentary Rock	439.99	
<i>For >100 To 250, Add</i>	11.00	
<i>For >250 To 400, Add</i>	22.00	
<i>For >400 To 600, Add</i>	33.00	
<i>For >600 To 750, Add</i>	44.00	
<i>For >750, Add</i>	55.00	
33 11 13 00-0036 LF 36" Water Well Hole Drilled In Sedimentary Rock	547.30	
<i>For >100 To 250, Add</i>	13.68	
<i>For >250 To 400, Add</i>	27.37	
<i>For >400 To 600, Add</i>	41.05	
<i>For >600 To 750, Add</i>	54.73	
<i>For >750, Add</i>	68.41	
33 11 13 00-0037 Drill Hole In Crystalline Rock <small>(33 11 13 00-0002)</small>		
33 11 13 00-0038 LF 6" Water Well Hole Drilled In Crystalline Rock.....	79.26	
<i>For >100 To 250, Add</i>	1.98	
<i>For >250 To 400, Add</i>	3.96	
<i>For >400 To 600, Add</i>	5.94	
<i>For >600 To 750, Add</i>	7.93	
<i>For >750, Add</i>	9.91	
33 11 13 00-0039 LF 8" Water Well Hole Drilled In Crystalline Rock.....	91.46	
<i>For >100 To 250, Add</i>	2.29	
<i>For >250 To 400, Add</i>	4.57	
<i>For >400 To 600, Add</i>	6.86	
<i>For >600 To 750, Add</i>	9.15	
<i>For >750, Add</i>	11.43	
33 11 13 00-0040 LF 10" Water Well Hole Drilled In Crystalline Rock.....	104.87	
<i>For >100 To 250, Add</i>	2.62	
<i>For >250 To 400, Add</i>	5.24	
<i>For >400 To 600, Add</i>	7.87	
<i>For >600 To 750, Add</i>	10.49	
<i>For >750, Add</i>	13.11	
33 11 13 00-0041 LF 12" Water Well Hole Drilled In Crystalline Rock.....	132.92	
<i>For >100 To 250, Add</i>	3.32	
<i>For >250 To 400, Add</i>	6.65	
<i>For >400 To 600, Add</i>	9.97	
<i>For >600 To 750, Add</i>	13.29	
<i>For >750, Add</i>	16.62	
33 11 13 00-0042 LF 14" Water Well Hole Drilled In Crystalline Rock.....	171.95	
<i>For >100 To 250, Add</i>	4.30	
<i>For >250 To 400, Add</i>	8.60	
<i>For >400 To 600, Add</i>	12.90	
<i>For >600 To 750, Add</i>	17.20	
<i>For >750, Add</i>	21.49	

33	Utilities
33 10	Water Utilities
33 11	Groundwater Sources



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0043 LF 16" Water Well Hole Drilled In Crystalline Rock.....	250.00	
For >100 To 250, Add	6.25	
For >250 To 400, Add	12.50	
For >400 To 600, Add	18.75	
For >600 To 750, Add	25.00	
For >750, Add	31.25	
33 11 13 00-0044 LF 18" Water Well Hole Drilled In Crystalline Rock.....	297.55	
For >100 To 250, Add	7.44	
For >250 To 400, Add	14.88	
For >400 To 600, Add	22.32	
For >600 To 750, Add	29.76	
For >750, Add	37.19	
33 11 13 00-0045 LF 20" Water Well Hole Drilled In Crystalline Rock.....	345.11	
For >100 To 250, Add	8.63	
For >250 To 400, Add	17.26	
For >400 To 600, Add	25.88	
For >600 To 750, Add	34.51	
For >750, Add	43.14	
33 11 13 00-0046 LF 22" Water Well Hole Drilled In Crystalline Rock.....	406.09	
For >100 To 250, Add	10.15	
For >250 To 400, Add	20.30	
For >400 To 600, Add	30.46	
For >600 To 750, Add	40.61	
For >750, Add	50.76	
33 11 13 00-0047 LF 24" Water Well Hole Drilled In Crystalline Rock.....	469.51	
For >100 To 250, Add	11.74	
For >250 To 400, Add	23.48	
For >400 To 600, Add	35.21	
For >600 To 750, Add	46.95	
For >750, Add	58.69	
33 11 13 00-0048 Furnish And Install Casing (33 11 13 00-0001)		
Note: Excludes drilling of hole.		
33 11 13 00-0049 Steel Well Casing (33 11 13 00-0048)		
33 11 13 00-0050 LF 6" Diameter, Steel Well Casing, Flush.....	27.92	
For >100 To 250, Deduct	-0.87	
For >250 To 400, Deduct	-1.57	
For >400 To 600, Deduct	-2.36	
For >600 To 750, Deduct	-3.14	
For >750, Deduct	-4.16	
33 11 13 00-0051 LF 8" Diameter, Steel Well Casing, Flush.....	34.73	
For >100 To 250, Deduct	-1.09	
For >250 To 400, Deduct	-1.96	
For >400 To 600, Deduct	-2.93	
For >600 To 750, Deduct	-3.91	
For >750, Deduct	-5.17	
33 11 13 00-0052 LF 10" Diameter, Steel Well Casing, Flush.....	50.81	
For >100 To 250, Deduct	-1.53	
For >250 To 400, Deduct	-2.80	
For >400 To 600, Deduct	-4.20	
For >600 To 750, Deduct	-5.61	
For >750, Deduct	-7.35	
33 11 13 00-0053 LF 12" Diameter, Steel Well Casing, Flush.....	84.03	
For >100 To 250, Deduct	-2.42	
For >250 To 400, Deduct	-4.52	
For >400 To 600, Deduct	-6.78	
For >600 To 750, Deduct	-9.03	
For >750, Deduct	-11.70	
33 11 13 00-0054 LF 14" Diameter, Steel Well Casing, Flush.....	95.07	
For >100 To 250, Deduct	-2.82	
For >250 To 400, Deduct	-5.19	
For >400 To 600, Deduct	-7.79	
For >600 To 750, Deduct	-10.38	
For >750, Deduct	-13.55	
33 11 13 00-0055 LF 16" Diameter, Steel Well Casing, Flush.....	111.90	
For >100 To 250, Deduct	-3.34	
For >250 To 400, Deduct	-6.14	
For >400 To 600, Deduct	-9.21	
For >600 To 750, Deduct	-12.28	
For >750, Deduct	-16.05	
33 11 13 00-0056 LF 18" Diameter, Steel Well Casing, Flush.....	128.30	
For >100 To 250, Deduct	-3.89	
For >250 To 400, Deduct	-7.10	
For >400 To 600, Deduct	-10.65	
For >600 To 750, Deduct	-14.20	
For >750, Deduct	-18.63	
33 11 13 00-0057 LF 20" Diameter, Steel Well Casing, Flush.....	146.88	
For >100 To 250, Deduct	-4.51	
For >250 To 400, Deduct	-8.19	
For >400 To 600, Deduct	-12.28	
For >600 To 750, Deduct	-16.37	
For >750, Deduct	-21.56	



Utilities	33	CS
Water Utilities	33 10	
Groundwater Sources	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0058 LF 24" Diameter, Steel Well Casing, Flush.....	171.31	
<i>For >100 To 250, Deduct</i>	-5.23	
<i>For >250 To 400, Deduct</i>	-9.51	
<i>For >400 To 600, Deduct</i>	-14.27	
<i>For >600 To 750, Deduct</i>	-19.02	
<i>For >750, Deduct</i>	-25.01	
33 11 13 00-0059 LB Steel Well Casing, Furnish And Install.....	0.98	
<i>For >100 To 250, Deduct</i>	-0.04	
<i>For >250 To 400, Deduct</i>	-0.06	
<i>For >400 To 600, Deduct</i>	-0.09	
<i>For >600 To 750, Deduct</i>	-0.12	
<i>For >750, Deduct</i>	-0.17	
33 11 13 00-0060 Stainless Steel Well Casing, Flush Threaded <small>(33 11 13 00-0048)</small>		
33 11 13 00-0061 LF 6" Diameter, Stainless Steel Well Casing, Flush	64.44	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 400, Deduct</i>	-3.40	
<i>For >400 To 600, Deduct</i>	-5.10	
<i>For >600 To 750, Deduct</i>	-6.79	
<i>For >750, Deduct</i>	-8.72	
33 11 13 00-0062 LF 8" Diameter, Stainless Steel Well Casing, Flush	96.70	
<i>For >100 To 250, Deduct</i>	-2.64	
<i>For >250 To 400, Deduct</i>	-5.05	
<i>For >400 To 600, Deduct</i>	-7.58	
<i>For >600 To 750, Deduct</i>	-10.11	
<i>For >750, Deduct</i>	-12.92	
33 11 13 00-0063 LF 10" Diameter, Stainless Steel Well Casing, Flush	135.05	
<i>For >100 To 250, Deduct</i>	-3.66	
<i>For >250 To 400, Deduct</i>	-7.03	
<i>For >400 To 600, Deduct</i>	-10.55	
<i>For >600 To 750, Deduct</i>	-14.07	
<i>For >750, Deduct</i>	-17.95	
33 11 13 00-0064 LF 12" Diameter, Stainless Steel Well Casing, Flush	157.07	
<i>For >100 To 250, Deduct</i>	-4.26	
<i>For >250 To 400, Deduct</i>	-8.19	
<i>For >400 To 600, Deduct</i>	-12.28	
<i>For >600 To 750, Deduct</i>	-16.37	
<i>For >750, Deduct</i>	-20.90	
33 11 13 00-0065 Stainless Steel Well Casing, Welded Ring <small>(33 11 13 00-0048)</small>		
33 11 13 00-0066 LF 10" Diameter, Stainless Steel Well Casing, Welded	143.46	
<i>For >100 To 250, Deduct</i>	-4.08	
<i>For >250 To 400, Deduct</i>	-7.66	
<i>For >400 To 600, Deduct</i>	-11.50	
<i>For >600 To 750, Deduct</i>	-15.33	
<i>For >750, Deduct</i>	-19.80	
33 11 13 00-0067 LF 12" Diameter, Stainless Steel Well Casing, Welded	166.18	
<i>For >100 To 250, Deduct</i>	-4.72	
<i>For >250 To 400, Deduct</i>	-8.87	
<i>For >400 To 600, Deduct</i>	-13.30	
<i>For >600 To 750, Deduct</i>	-17.74	
<i>For >750, Deduct</i>	-22.90	
33 11 13 00-0068 LF 14" Diameter, Stainless Steel Well Casing, Welded	199.64	
<i>For >100 To 250, Deduct</i>	-5.62	
<i>For >250 To 400, Deduct</i>	-10.61	
<i>For >400 To 600, Deduct</i>	-15.92	
<i>For >600 To 750, Deduct</i>	-21.23	
<i>For >750, Deduct</i>	-27.35	
33 11 13 00-0069 LF 16" Diameter, Stainless Steel Well Casing, Welded	228.58	
<i>For >100 To 250, Deduct</i>	-6.43	
<i>For >250 To 400, Deduct</i>	-12.15	
<i>For >400 To 600, Deduct</i>	-18.22	
<i>For >600 To 750, Deduct</i>	-24.30	
<i>For >750, Deduct</i>	-31.30	
33 11 13 00-0070 LF 18" Diameter, Stainless Steel Well Casing, Welded	252.46	
<i>For >100 To 250, Deduct</i>	-7.14	
<i>For >250 To 400, Deduct</i>	-13.45	
<i>For >400 To 600, Deduct</i>	-20.17	
<i>For >600 To 750, Deduct</i>	-26.89	
<i>For >750, Deduct</i>	-34.69	
33 11 13 00-0071 LF 20" Diameter, Stainless Steel Well Casing, Welded	330.65	
<i>For >100 To 250, Deduct</i>	-9.25	
<i>For >250 To 400, Deduct</i>	-17.51	
<i>For >400 To 600, Deduct</i>	-26.27	
<i>For >600 To 750, Deduct</i>	-35.03	
<i>For >750, Deduct</i>	-45.06	
33 11 13 00-0072 LF 24" Diameter, Stainless Steel Well Casing, Welded	435.53	
<i>For >100 To 250, Deduct</i>	-12.12	
<i>For >250 To 400, Deduct</i>	-23.00	
<i>For >400 To 600, Deduct</i>	-34.51	
<i>For >600 To 750, Deduct</i>	-46.01	
<i>For >750, Deduct</i>	-59.10	

33	Utilities
33 10	Water Utilities
33 11	Groundwater Sources



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0073 Polyvinyl Chloride (PVC) Well Casing, Schedule 80 <small>(33 11 13 00-0048)</small>		
33 11 13 00-0074 LF 6" Polyvinyl Chloride (PVC) Well Casing	36.63	
For >100 To 250, Deduct	-1.06	
For >250 To 400, Deduct	-1.97	
For >400 To 600, Deduct	-2.96	
For >600 To 750, Deduct	-3.94	
For >750, Deduct	-5.11	
33 11 13 00-0075 LF 8" Polyvinyl Chloride (PVC) Well Casing	58.17	
For >100 To 250, Deduct	-1.67	
For >250 To 400, Deduct	-3.13	
For >400 To 600, Deduct	-4.69	
For >600 To 750, Deduct	-6.26	
For >750, Deduct	-8.10	
33 11 13 00-0076 LF 10" Polyvinyl Chloride (PVC) Well Casing	87.91	
For >100 To 250, Deduct	-2.53	
For >250 To 400, Deduct	-4.73	
For >400 To 600, Deduct	-7.09	
For >600 To 750, Deduct	-9.46	
For >750, Deduct	-12.25	
33 11 13 00-0077 LF 12" Polyvinyl Chloride (PVC) Well Casing	103.72	
For >100 To 250, Deduct	-3.00	
For >250 To 400, Deduct	-5.59	
For >400 To 600, Deduct	-8.38	
For >600 To 750, Deduct	-11.18	
For >750, Deduct	-14.50	
33 11 13 00-0078 Furnish And Install Well Screen Assembly <small>(33 11 13 00-0001)</small>		
33 11 13 00-0079 Stainless Steel Well Screen <small>(33 11 13 00-0078)</small>		
33 11 13 00-0080 LF 2" Stainless Steel Well Screen	20.19	1.40
For >100 To 250, Deduct	-0.68	
For >250 To 400, Deduct	-1.19	
For >400 To 600, Deduct	-1.78	
For >600 To 750, Deduct	-2.38	
For >750, Deduct	-3.21	
33 11 13 00-0081 LF 3" Stainless Steel Well Screen	31.95	1.40
For >100 To 250, Deduct	-0.99	
For >250 To 400, Deduct	-1.79	
For >400 To 600, Deduct	-2.69	
For >600 To 750, Deduct	-3.58	
For >750, Deduct	-4.73	
33 11 13 00-0082 LF 4" Stainless Steel Well Screen	40.14	2.11
For >100 To 250, Deduct	-1.25	
For >250 To 400, Deduct	-2.25	
For >400 To 600, Deduct	-3.38	
For >600 To 750, Deduct	-4.50	
For >750, Deduct	-5.95	
33 11 13 00-0083 LF 5" Stainless Steel Well Screen	50.74	2.11
For >100 To 250, Deduct	-1.56	
For >250 To 400, Deduct	-2.83	
For >400 To 600, Deduct	-4.24	
For >600 To 750, Deduct	-5.66	
For >750, Deduct	-7.45	
33 11 13 00-0084 LF 6" Stainless Steel Well Screen	60.89	2.81
For >100 To 250, Deduct	-1.91	
For >250 To 400, Deduct	-3.43	
For >400 To 600, Deduct	-5.15	
For >600 To 750, Deduct	-6.87	
For >750, Deduct	-9.09	
33 11 13 00-0085 LF 8" Stainless Steel Well Screen	79.47	3.50
For >100 To 250, Deduct	-2.49	
For >250 To 400, Deduct	-4.47	
For >400 To 600, Deduct	-6.71	
For >600 To 750, Deduct	-8.94	
For >750, Deduct	-11.83	
33 11 13 00-0086 LF 10" Stainless Steel Well Screen	100.87	5.61
For >100 To 250, Deduct	-3.19	
For >250 To 400, Deduct	-5.72	
For >400 To 600, Deduct	-8.57	
For >600 To 750, Deduct	-11.43	
For >750, Deduct	-15.16	
33 11 13 00-0087 LF 12" Stainless Steel Well Screen	118.34	7.01
For >100 To 250, Deduct	-3.74	
For >250 To 400, Deduct	-6.70	
For >400 To 600, Deduct	-10.05	
For >600 To 750, Deduct	-13.40	
For >750, Deduct	-17.78	
33 11 13 00-0088 LF 14" Stainless Steel Well Screen	129.96	7.72
For >100 To 250, Deduct	-4.15	
For >250 To 400, Deduct	-7.40	
For >400 To 600, Deduct	-11.10	
For >600 To 750, Deduct	-14.80	
For >750, Deduct	-19.68	



Utilities	33	CS
Water Utilities	33 10	
Groundwater Sources	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0089 LF 16" Stainless Steel Well Screen.....	140.69	9.11
For >100 To 250, Deduct	-4.53	
For >250 To 400, Deduct	-8.05	
For >400 To 600, Deduct	-12.08	
For >600 To 750, Deduct	-16.10	
For >750, Deduct	-21.45	
33 11 13 00-0090 LF 18" Stainless Steel Well Screen.....	168.90	10.51
For >100 To 250, Deduct	-5.47	
For >250 To 400, Deduct	-9.70	
For >400 To 600, Deduct	-14.55	
For >600 To 750, Deduct	-19.39	
For >750, Deduct	-25.87	
33 11 13 00-0091 LF 20" Stainless Steel Well Screen.....	213.03	13.32
For >100 To 250, Deduct	-6.90	
For >250 To 400, Deduct	-12.22	
For >400 To 600, Deduct	-18.34	
For >600 To 750, Deduct	-24.45	
For >750, Deduct	-32.61	
33 11 13 00-0092 LF 24" Stainless Steel Well Screen.....	276.36	17.53
For >100 To 250, Deduct	-8.97	
For >250 To 400, Deduct	-15.88	
For >400 To 600, Deduct	-23.82	
For >600 To 750, Deduct	-31.76	
For >750, Deduct	-42.38	
33 11 13 00-0093 LF 26" Stainless Steel Well Screen.....	318.65	20.34
For >100 To 250, Deduct	-10.30	
For >250 To 400, Deduct	-18.27	
For >400 To 600, Deduct	-27.40	
For >600 To 750, Deduct	-36.54	
For >750, Deduct	-48.71	
33 11 13 00-0094 Slotted Polyvinyl Chloride (PVC) Well Screen, Schedule 40 <small>(33 11 13 00-0078)</small>		
33 11 13 00-0095 LF 1-1/4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	11.25	
For >100 To 250, Deduct	-0.41	
For >250 To 400, Deduct	-0.69	
For >400 To 600, Deduct	-1.03	
For >600 To 750, Deduct	-1.38	
For >750, Deduct	-1.89	
For Schedule 80, Add	2.47	
33 11 13 00-0096 LF 1-1/2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	12.83	
For >100 To 250, Deduct	-0.46	
For >250 To 400, Deduct	-0.78	
For >400 To 600, Deduct	-1.17	
For >600 To 750, Deduct	-1.55	
For >750, Deduct	-2.12	
For Schedule 80, Add	2.96	
33 11 13 00-0097 LF 2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	18.33	
For >100 To 250, Deduct	-0.70	
For >250 To 400, Deduct	-1.16	
For >400 To 600, Deduct	-1.74	
For >600 To 750, Deduct	-2.32	
For >750, Deduct	-3.21	
For Schedule 80, Add	3.46	
33 11 13 00-0098 LF 3" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	26.51	
For >100 To 250, Deduct	-0.92	
For >250 To 400, Deduct	-1.59	
For >400 To 600, Deduct	-2.38	
For >600 To 750, Deduct	-3.17	
For >750, Deduct	-4.31	
For Schedule 80, Add	6.42	
33 11 13 00-0099 LF 4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	33.35	
For >100 To 250, Deduct	-1.16	
For >250 To 400, Deduct	-2.00	
For >400 To 600, Deduct	-3.00	
For >600 To 750, Deduct	-4.00	
For >750, Deduct	-5.43	
For Schedule 80, Add	8.05	
33 11 13 00-0100 LF 5" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	41.67	
For >100 To 250, Deduct	-1.44	
For >250 To 400, Deduct	-2.48	
For >400 To 600, Deduct	-3.72	
For >600 To 750, Deduct	-4.95	
For >750, Deduct	-6.71	
For Schedule 80, Add	10.37	
33 11 13 00-0101 LF 6" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	46.30	
For >100 To 250, Deduct	-1.68	
For >250 To 400, Deduct	-2.84	
For >400 To 600, Deduct	-4.26	
For >600 To 750, Deduct	-5.68	
For >750, Deduct	-7.78	
For Schedule 80, Add	10.12	

33	Utilities
33 10	Water Utilities
33 11	Groundwater Sources



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0102 LF 8" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	66.35	
For >100 To 250, Deduct	-2.33	
For >250 To 400, Deduct	-3.99	
For >400 To 600, Deduct	-5.98	
For >600 To 750, Deduct	-7.98	
For >750, Deduct	-10.84	
For Schedule 80, Add	15.80	
33 11 13 00-0103 Furnish And Install Gravel Pack Material <small>(33 11 13 00-0001)</small>		
Note: Quantity is based on 3" space between wall and the casing or well screen.		
33 11 13 00-0104 Artificial Gravel Pack <small>(33 11 13 00-0103)</small>		
Note: Excludes casing.		
33 11 13 00-0105 LF Artificial Gravel Pack, 6" Casing, 2" Screen.....	9.97	
For >100 To 250, Deduct	-0.45	
For >250 To 400, Deduct	-0.70	
For >400 To 600, Deduct	-1.05	
For >600 To 750, Deduct	-1.40	
For >750, Deduct	-2.01	
33 11 13 00-0106 LF Artificial Gravel Pack, 8" Casing, 2" Screen.....	15.24	
For >100 To 250, Deduct	-0.70	
For >250 To 400, Deduct	-1.08	
For >400 To 600, Deduct	-1.62	
For >600 To 750, Deduct	-2.16	
For >750, Deduct	-3.11	
33 11 13 00-0107 LF Artificial Gravel Pack, 10" Casing, 2" Screen.....	22.11	
For >100 To 250, Deduct	-1.02	
For >250 To 400, Deduct	-1.58	
For >400 To 600, Deduct	-2.36	
For >600 To 750, Deduct	-3.15	
For >750, Deduct	-4.55	
33 11 13 00-0108 LF Artificial Gravel Pack, 12" Casing, 2" Screen.....	27.79	
For >100 To 250, Deduct	-1.28	
For >250 To 400, Deduct	-1.97	
For >400 To 600, Deduct	-2.96	
For >600 To 750, Deduct	-3.95	
For >750, Deduct	-5.69	
33 11 13 00-0109 LF Artificial Gravel Pack, 14" Casing, 2" Screen.....	33.64	
For >100 To 250, Deduct	-1.54	
For >250 To 400, Deduct	-2.38	
For >400 To 600, Deduct	-3.57	
For >600 To 750, Deduct	-4.76	
For >750, Deduct	-6.86	
33 11 13 00-0110 LF Artificial Gravel Pack, 16" Casing, 2" Screen.....	42.32	
For >100 To 250, Deduct	-1.92	
For >250 To 400, Deduct	-2.98	
For >400 To 600, Deduct	-4.47	
For >600 To 750, Deduct	-5.96	
For >750, Deduct	-8.56	
33 11 13 00-0111 LF Artificial Gravel Pack, 18" Casing, 2" Screen.....	48.13	
For >100 To 250, Deduct	-2.18	
For >250 To 400, Deduct	-3.38	
For >400 To 600, Deduct	-5.07	
For >600 To 750, Deduct	-6.76	
For >750, Deduct	-9.72	
33 11 13 00-0112 LF Artificial Gravel Pack, 20" Casing, 2" Screen.....	58.08	
For >100 To 250, Deduct	-2.64	
For >250 To 400, Deduct	-4.09	
For >400 To 600, Deduct	-6.14	
For >600 To 750, Deduct	-8.19	
For >750, Deduct	-11.78	
33 11 13 00-0113 LF Artificial Gravel Pack, 24" Casing, 2" Screen.....	66.27	
For >100 To 250, Deduct	-3.02	
For >250 To 400, Deduct	-4.68	
For >400 To 600, Deduct	-7.02	
For >600 To 750, Deduct	-9.36	
For >750, Deduct	-13.47	
33 11 13 00-0114 LF Artificial Gravel Pack, 26" Casing, 2" Screen.....	70.13	
For >100 To 250, Deduct	-3.18	
For >250 To 400, Deduct	-4.93	
For >400 To 600, Deduct	-7.40	
For >600 To 750, Deduct	-9.86	
For >750, Deduct	-14.18	
33 11 13 00-0115 LF Artificial Gravel Pack, 30" Casing, 2" Screen.....	85.15	
For >100 To 250, Deduct	-3.88	
For >250 To 400, Deduct	-6.01	
For >400 To 600, Deduct	-9.02	
For >600 To 750, Deduct	-12.02	
For >750, Deduct	-17.31	
33 11 13 00-0116 LF Artificial Gravel Pack, 36" Casing, 2" Screen.....	101.66	
For >100 To 250, Deduct	-4.68	
For >250 To 400, Deduct	-7.22	
For >400 To 600, Deduct	-10.83	
For >600 To 750, Deduct	-14.44	
For >750, Deduct	-20.83	



Utilities	33	CS
Water Utilities	33 10	
Groundwater Sources	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0117 Develop Well <small>(33 11 13 00-0001)</small> Note: Pump out drilled well to remove debris and fine material remaining from the drilling process. Excludes disposal.		
33 11 13 00-0118 HR Develop Well.....	278.56	
33 11 13 00-0119 Pump Test <small>(33 11 13 00-0001)</small> Note: To determine water level and GPM flow rate.		
33 11 13 00-0120 HR Pump Test Well	250.41	
33 11 13 00-0121 Test Well <small>(33 11 13 00-0001)</small>		
33 11 13 00-0122 VLF 2-1/2" Diameter Test Well.....	78.68	
33 11 13 00-0123 Surface Seal, Concrete Filled <small>(33 11 13)</small>		
33 11 13 00-0124 SF Surface Seal Well, Concrete Filled	26.81	
33 11 13 00-0125 Other Water Well <small>(33 11 13)</small>		
33 11 13 00-0126 SF Patch Hole In Well Casing	72.34	
33 11 13 00-0127 SF 1/2" Pressure Grout Well	2.04	
33 11 13 00-0128 SF 1" Pressure Grout Well	3.36	
33 11 13 00-0129 CF Sediment Removal In Well Casing For Existing Well.....	4.38	
33 11 13 00-0130 Sterilization Of Well <small>(33 11 13)</small>		
33 11 13 00-0131 EA Well Sterilization, Chlorine.....	1,343.63	
33 11 13 00-0132 Submersible Well Pumps <small>(33 11 13)</small> Note: Includes pump end, motor and control box.		
33 11 13 00-0133 4" Submersible Well Pumps <small>(33 11 13 00-0132)</small>		
33 11 13 00-0134 Powder Coated Case And Cast Iron Ends <small>(33 11 13 00-0133)</small>		
33 11 13 00-0135 EA 1/2 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends.....	1,204.86	386.71
33 11 13 00-0136 EA 3/4 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends.....	1,375.88	428.62
33 11 13 00-0137 EA 1 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends.....	1,526.80	476.26
33 11 13 00-0138 Stainless Steel Case And Ends <small>(33 11 13 00-0133)</small>		
33 11 13 00-0139 EA 1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,377.74	381.00
33 11 13 00-0140 EA 3/4 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,573.64	428.62
33 11 13 00-0141 EA 1 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,765.99	476.26
33 11 13 00-0142 EA 1-1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,031.75	523.88
33 11 13 00-0143 EA 2 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,308.16	571.51
33 11 13 00-0144 EA 3 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,853.90	666.75
33 11 13 00-0145 EA 5 HP Submersible Well Pump, 4" Diameter Stainless Steel	3,621.05	762.01
33 11 13 00-0146 6" Submersible Well Pumps <small>(33 11 13 00-0132)</small>		
33 11 13 00-0147 EA 5 HP Submersible Well Pump, 6" Diameter Stainless Steel	3,434.88	952.51
33 11 13 00-0148 EA 7.5 HP Submersible Well Pump, 6" Diameter Stainless Steel	3,981.67	1,047.76
33 11 13 00-0149 EA 10 HP Submersible Well Pump, 6" Diameter Stainless Steel	4,551.21	1,143.01
33 11 13 00-0150 EA 15 HP Submersible Well Pump, 6" Diameter Stainless Steel	5,781.20	1,333.52
33 14 Water Utility Transmission and Distribution <small>(33 10)</small>		
33 14 11 Water Utility Transmission Piping <small>(33 14)</small> See CSI section 33 14 13 00-0000 for water utility transmission piping.		
33 14 13 Public Water Utility Distribution Piping <small>(33 14)</small> Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.		
33 14 13 13 Ductile Iron Public Water Utility Distribution Piping <small>(33 14 13)</small>		
33 14 13 13-0001 Ductile Iron Piping <small>(33 14 13 13)</small>		
33 14 13 13-0002 Mechanical Joint Ductile Iron Piping <small>(33 14 13 13-0001)</small> Note: Cement lining and bituminous coating shall conform to ANSI A21.4. See CSI section 33 14 13 13-0500 for bolts and gaskets.		
33 14 13 13-0003 Mechanical Joint Ductile Iron Pipe <small>(33 14 13 13-0002)</small> Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0004	LF	3", Class 51, Mechanical Joint Ductile Iron Pipe.....	28.56	10.30
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	9.09	
			For Cement Mortar Lining (CML), Add	1.30	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	7.01	
			For Fusion Bonded Epoxy Lining (206N), Add	2.34	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	0.97	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-1.43	
			For Class 52, Add	2.92	
			For Class 53, Add	7.54	
			For Class 54, Add	10.73	
			For Class 55, Add	12.38	
			For Class 56, Add	14.00	
33 14 13	13-0005	LF	4", Class 50, Mechanical Joint Ductile Iron Pipe.....	30.87	10.96
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	9.98	
			For Cement Mortar Lining (CML), Add	1.43	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	7.70	
			For Fusion Bonded Epoxy Lining (206N), Add	2.57	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.07	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-1.54	
			For Class 51, Add	1.44	
			For Class 52, Add	3.20	
			For Class 53, Add	8.26	
			For Class 54, Add	11.76	
			For Class 55, Add	13.57	
			For Class 56, Add	15.34	
33 14 13	13-0006	LF	6", Class 50, Mechanical Joint Ductile Iron Pipe.....	32.88	11.50
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	10.84	
			For Cement Mortar Lining (CML), Add	1.55	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	8.36	
			For Fusion Bonded Epoxy Lining (206N), Add	2.79	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.16	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-1.64	
			For Class 51, Add	1.55	
			For Class 52, Add	3.46	
			For Class 53, Add	8.95	
			For Class 54, Add	12.73	
			For Class 55, Add	14.69	
			For Class 56, Add	16.61	
33 14 13	13-0007	LF	8", Class 50, Mechanical Joint Ductile Iron Pipe.....	37.92	11.96
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	13.86	
			For Cement Mortar Lining (CML), Add	1.98	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	10.69	
			For Fusion Bonded Epoxy Lining (206N), Add	3.56	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.49	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-1.90	
			For Class 51, Add	1.94	
			For Class 52, Add	4.32	
			For Class 53, Add	11.29	
			For Class 54, Add	16.08	
			For Class 55, Add	18.53	
			For Class 56, Add	20.93	
33 14 13	13-0008	LF	10", Class 50, Mechanical Joint Ductile Iron Pipe.....	51.60	17.06
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	15.45	
			For Cement Mortar Lining (CML), Add	2.58	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	12.88	
			For Fusion Bonded Epoxy Lining (206N), Add	4.64	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.93	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-2.58	
			For Class 51, Add	2.55	
			For Class 52, Add	5.67	
			For Class 53, Add	14.77	
			For Class 54, Add	21.03	
			For Class 55, Add	24.24	
			For Class 56, Add	27.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0009 LF 12", Class 50, Mechanical Joint Ductile Iron Pipe.....	61.60	18.95
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	16.45	
For Cement Mortar Lining (CML), Add	3.29	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	13.16	
For Fusion Bonded Epoxy Lining (206N), Add	5.92	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.47	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-3.08	
For Class 51, Add	3.20	
For Class 52, Add	7.13	
For Class 53, Add	18.70	
For Class 54, Add	26.64	
For Class 55, Add	30.69	
For Class 56, Add	34.67	
33 14 13 13-0010 LF 14", Class 50, Mechanical Joint Ductile Iron Pipe.....	73.09	21.28
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	17.95	
For Cement Mortar Lining (CML), Add	4.08	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	13.87	
For Fusion Bonded Epoxy Lining (206N), Add	7.34	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.06	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-3.65	
For Class 51, Add	3.92	
For Class 52, Add	8.77	
For Class 53, Add	23.07	
For Class 54, Add	32.88	
For Class 55, Add	37.85	
For Class 56, Add	42.74	
33 14 13 13-0011 LF 16", Class 50, Mechanical Joint Ductile Iron Pipe.....	82.65	24.38
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	18.75	
For Cement Mortar Lining (CML), Add	4.57	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	14.18	
For Fusion Bonded Epoxy Lining (206N), Add	8.23	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.43	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-4.13	
For Class 51, Add	4.41	
For Class 52, Add	9.84	
For Class 53, Add	25.89	
For Class 54, Add	36.89	
For Class 55, Add	42.48	
For Class 56, Add	47.97	
33 14 13 13-0012 LF 18", Class 50, Mechanical Joint Ductile Iron Pipe.....	101.72	28.42
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	24.05	
For Cement Mortar Lining (CML), Add	5.87	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	18.18	
For Fusion Bonded Epoxy Lining (206N), Add	10.56	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.40	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-5.09	
For Class 51, Add	5.60	
For Class 52, Add	12.52	
For Class 53, Add	33.05	
For Class 54, Add	47.10	
For Class 55, Add	54.22	
For Class 56, Add	61.21	
33 14 13 13-0013 LF 20", Class 50, Mechanical Joint Ductile Iron Pipe.....	116.27	34.11
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	24.54	
For Cement Mortar Lining (CML), Add	6.46	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	18.09	
For Fusion Bonded Epoxy Lining (206N), Add	11.63	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.84	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-5.81	
For Class 51, Add	6.22	
For Class 52, Add	13.89	
For Class 53, Add	36.55	
For Class 54, Add	52.09	
For Class 55, Add	59.97	
For Class 56, Add	67.72	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0014	LF		24", Class 50, Mechanical Joint Ductile Iron Pipe.....	151.29	42.64
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	26.87	
			For Cement Mortar Lining (CML), Add	8.67	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	18.20	
			For Fusion Bonded Epoxy Lining (206N), Add	15.60	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.50	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-7.56	
			For Class 51, Add	8.29	
			For Class 52, Add	18.53	
			For Class 53, Add	48.87	
			For Class 54, Add	69.66	
			For Class 55, Add	80.19	
			For Class 56, Add	90.53	
33 14 13 13-0015	LF		30", Class 50, Mechanical Joint Ductile Iron Pipe.....	191.16	45.92
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	37.89	
			For Cement Mortar Lining (CML), Add	12.22	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	22.00	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.17	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-9.56	
			For Class 51, Add	11.41	
			For Class 52, Add	25.57	
			For Class 53, Add	68.09	
			For Class 54, Add	97.13	
			For Class 55, Add	111.70	
			For Class 56, Add	126.00	
33 14 13 13-0016	LF		36", Class 50, Mechanical Joint Ductile Iron Pipe.....	226.07	48.76
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	47.38	
			For Cement Mortar Lining (CML), Add	15.29	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	27.51	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.46	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-11.30	
			For Class 51, Add	14.11	
			For Class 52, Add	31.65	
			For Class 53, Add	84.66	
			For Class 54, Add	120.81	
			For Class 55, Add	138.85	
			For Class 56, Add	156.58	
33 14 13 13-0017	LF		42", Class 50, Mechanical Joint Ductile Iron Pipe.....	274.43	51.60
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	61.04	
			For Cement Mortar Lining (CML), Add	19.69	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	35.44	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.77	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-13.72	
			For Class 51, Add	17.96	
			For Class 52, Add	40.35	
			For Class 53, Add	108.43	
			For Class 54, Add	154.78	
			For Class 55, Add	177.82	
			For Class 56, Add	200.45	
33 14 13 13-0018	LF		48", Class 50, Mechanical Joint Ductile Iron Pipe.....	332.81	54.52
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	77.80	
			For Cement Mortar Lining (CML), Add	25.10	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	45.17	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.82	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-16.64	
			For Class 51, Add	22.68	
			For Class 52, Add	51.01	
			For Class 53, Add	137.56	
			For Class 54, Add	196.44	
			For Class 55, Add	225.59	
			For Class 56, Add	254.22	
33 14 13 13-0019			Mechanical Joint Ductile Iron 90 Degree Elbow (33 14 13 13-0002)		
33 14 13 13-0020	EA		3" Mechanical Joint Ductile Iron 90 Degree Elbow	90.14	32.53
			For Cement Mortar Lining (CML), Add	4.09	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	7.35	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.06	
			Note: ANSI/AWWA C151/A21.51		



	Utilities	33
	Water Utilities	33 10
	Water Utility Transmission and Distribution	33 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0021 EA 4" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	103.35 4.45 8.00 3.33	38.86
33 14 13 13-0022 EA 6" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	159.68 7.27 13.09 5.45	57.44
33 14 13 13-0023 EA 8" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	209.02 10.57 19.03 7.93	68.13
33 14 13 13-0024 EA 10" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	282.79 16.82 30.28 12.62	75.64
33 14 13 13-0025 EA 12" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	360.87 22.65 40.77 16.99	88.72
33 14 13 13-0026 EA 14" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	529.83 37.91 68.24 28.43	99.49
33 14 13 13-0027 EA 16" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	687.17 51.49 92.68 38.62	113.71
33 14 13 13-0028 EA 18" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	861.19 62.00 111.61 46.50	159.19
33 14 13 13-0029 EA 20" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,166.02 86.46 155.62 64.84	198.99
33 14 13 13-0030 EA 24" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,692.05 129.05 232.29 96.79	264.97
33 14 13 13-0031 EA 30" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,501.67 207.10 372.77 155.32	284.27
33 14 13 13-0032 EA 36" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,684.80 323.77 582.79 242.83	295.12

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0033 EA 42" Mechanical Joint Ductile Iron 90 Degree Elbow	6,068.83	341.12
For Cement Mortar Lining (CML), Add	555.20	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	999.36	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	416.40	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0034 EA 48" Mechanical Joint Ductile Iron 90 Degree Elbow	7,952.90	362.91
For Cement Mortar Lining (CML), Add	740.31	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,332.55	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	555.23	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0035 Mechanical Joint Ductile Iron 45 Degree Elbow (33 14 13 13-0002)		
33 14 13 13-0036 EA 3" Mechanical Joint Ductile Iron 45 Degree Elbow	85.94	32.53
For Cement Mortar Lining (CML), Add	3.67	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	6.60	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.75	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0037 EA 4" Mechanical Joint Ductile Iron 45 Degree Elbow	95.54	38.86
For Cement Mortar Lining (CML), Add	3.67	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	6.60	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.75	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0038 EA 6" Mechanical Joint Ductile Iron 45 Degree Elbow	145.86	57.44
For Cement Mortar Lining (CML), Add	5.89	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	10.60	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.42	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0039 EA 8" Mechanical Joint Ductile Iron 45 Degree Elbow	189.19	68.13
For Cement Mortar Lining (CML), Add	8.59	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	15.46	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.44	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0040 EA 10" Mechanical Joint Ductile Iron 45 Degree Elbow	240.14	75.64
For Cement Mortar Lining (CML), Add	12.56	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	22.60	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.42	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0041 EA 12" Mechanical Joint Ductile Iron 45 Degree Elbow	321.82	88.72
For Cement Mortar Lining (CML), Add	18.75	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	33.74	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.06	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0042 EA 14" Mechanical Joint Ductile Iron 45 Degree Elbow	445.72	99.49
For Cement Mortar Lining (CML), Add	29.50	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	53.10	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.12	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0043 EA 16" Mechanical Joint Ductile Iron 45 Degree Elbow	539.97	113.71
For Cement Mortar Lining (CML), Add	36.77	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	66.18	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	27.58	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0044 EA 18" Mechanical Joint Ductile Iron 45 Degree Elbow	768.66	159.19
For Cement Mortar Lining (CML), Add	52.75	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	94.95	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	39.56	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0045 EA 20" Mechanical Joint Ductile Iron 45 Degree Elbow	865.02	198.99
For Cement Mortar Lining (CML), Add	56.36	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	101.44	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	42.27	
Note: ANSI/AWWA C151/A21.51		



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0046	EA 24" Mechanical Joint Ductile Iron 45 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,257.67 85.61 154.11 64.21	264.97	
33 14 13 13-0047	EA 30" Mechanical Joint Ductile Iron 45 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,170.03 173.93 313.08 130.45	284.27	
33 14 13 13-0048	EA 36" Mechanical Joint Ductile Iron 45 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,990.28 254.32 457.77 190.74	295.12	
33 14 13 13-0049	EA 42" Mechanical Joint Ductile Iron 45 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,424.44 390.76 703.37 293.07	341.12	
33 14 13 13-0050	EA 48" Mechanical Joint Ductile Iron 45 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,670.46 512.06 921.71 384.05	362.91	
33 14 13 13-0051	Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <small>(33 14 13 13-0002)</small>			
33 14 13 13-0052	EA 3" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	78.13 2.88 5.19 2.16	32.53	
33 14 13 13-0053	EA 4" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	93.74 3.49 6.27 2.61	38.86	
33 14 13 13-0054	EA 6" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	141.05 5.41 9.73 4.06	57.44	
33 14 13 13-0055	EA 8" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	187.39 8.41 15.14 6.31	68.13	
33 14 13 13-0056	EA 10" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	239.54 12.50 22.49 9.37	75.64	
33 14 13 13-0057	EA 12" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	298.39 16.40 29.52 12.30	88.72	
33 14 13 13-0058	EA 14" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	449.33 29.86 53.75 22.40	99.49	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0059 EA 16" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	524.95	113.71
For Cement Mortar Lining (CML), Add	35.27	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	63.48	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	26.45	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0060 EA 18" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	674.34	159.19
For Cement Mortar Lining (CML), Add	43.32	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	77.97	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	32.49	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0061 EA 20" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	890.25	198.99
For Cement Mortar Lining (CML), Add	58.88	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	105.98	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	44.16	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0062 EA 24" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,191.58	264.97
For Cement Mortar Lining (CML), Add	79.01	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	142.21	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	59.25	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0063 EA 30" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,888.25	284.27
For Cement Mortar Lining (CML), Add	145.75	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	262.36	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	109.32	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0064 EA 36" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,583.53	295.12
For Cement Mortar Lining (CML), Add	213.64	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	384.56	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	160.23	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0065 EA 42" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	3,742.54	341.12
For Cement Mortar Lining (CML), Add	322.57	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	580.63	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	241.93	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0066 EA 48" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	4,750.03	362.91
For Cement Mortar Lining (CML), Add	420.02	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	756.03	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	315.01	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0067 Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <small>(33 14 13 13-0002)</small>		
33 14 13 13-0068 EA 3" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	78.13	32.53
For Cement Mortar Lining (CML), Add	2.88	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	5.19	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.16	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0069 EA 4" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	91.93	38.86
For Cement Mortar Lining (CML), Add	3.30	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	5.95	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.48	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0070 EA 6" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	142.85	57.44
For Cement Mortar Lining (CML), Add	5.59	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	10.06	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.19	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0071 EA 8" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	179.58	68.13
For Cement Mortar Lining (CML), Add	7.63	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	13.73	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.72	
Note: ANSI/AWWA C151/A21.51		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0072	EA			10" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	238.33 12.38 22.28 9.28	75.64
33 14 13 13-0073	EA			12" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	288.17 15.38 27.68 11.54	88.72
33 14 13 13-0074	EA			14" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	491.38 34.07 61.32 25.55	99.49
33 14 13 13-0075	EA			16" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	545.38 37.31 67.16 27.98	113.71
33 14 13 13-0076	EA			18" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	788.49 54.73 98.52 41.05	159.19
33 14 13 13-0077	EA			20" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	856.02 55.45 99.82 41.59	198.99
33 14 13 13-0078	EA			24" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,141.11 73.96 133.12 55.47	264.97
33 14 13 13-0079	EA			30" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,914.69 148.40 267.12 111.30	284.27
33 14 13 13-0080	EA			36" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,475.39 202.83 365.09 152.12	295.12
33 14 13 13-0081	EA			42" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,595.34 307.85 554.13 230.89	341.12
33 14 13 13-0082	EA			48" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,721.19 417.14 750.84 312.85	362.91

33 14 13 13-0083 Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow (33 14 13 13-0002)

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0084 EA 3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	91.95	32.53
For Cement Mortar Lining (CML), Add	4.27	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	7.68	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.20	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0085 EA 4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	111.76	38.86
For Cement Mortar Lining (CML), Add	5.29	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	9.52	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.97	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0086 EA 6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	174.70	57.44
For Cement Mortar Lining (CML), Add	8.77	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	15.79	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.58	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0087 EA 8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	228.85	68.13
For Cement Mortar Lining (CML), Add	12.56	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	22.60	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.42	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0088 EA 10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	311.63	75.64
For Cement Mortar Lining (CML), Add	19.71	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	35.47	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.78	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0089 EA 12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	392.11	88.72
For Cement Mortar Lining (CML), Add	25.77	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	46.39	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	19.33	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0090 EA 14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	630.17	99.49
For Cement Mortar Lining (CML), Add	47.94	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	86.30	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	35.96	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0091 EA 16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	931.69	113.71
For Cement Mortar Lining (CML), Add	75.94	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	136.69	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	56.96	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0092 EA 18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	1,103.91	159.19
For Cement Mortar Lining (CML), Add	86.28	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	155.30	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	64.71	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0093 EA 20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	1,485.66	198.99
For Cement Mortar Lining (CML), Add	118.42	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	213.15	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	88.81	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0094 EA 24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	1,824.22	264.97
For Cement Mortar Lining (CML), Add	142.27	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	256.08	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	106.70	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0095 EA 30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	3,232.24	284.27
For Cement Mortar Lining (CML), Add	280.15	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	504.28	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	210.11	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0096 EA 36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	5,609.76	295.12
For Cement Mortar Lining (CML), Add	516.27	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	929.28	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	387.20	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0097 Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow <small>(33 14 13 13-0002)</small>		
33 14 13 13-0098 EA 3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	86.54	32.53
For Cement Mortar Lining (CML), Add	3.73	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	6.71	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.79	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0099 EA 4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	97.34	38.86
For Cement Mortar Lining (CML), Add	3.85	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	6.92	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.88	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0100 EA 6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	152.47	57.44
For Cement Mortar Lining (CML), Add	6.55	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	11.79	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.91	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0101 EA 8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	208.42	68.13
For Cement Mortar Lining (CML), Add	10.51	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	18.93	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.89	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0102 EA 10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	270.78	75.64
For Cement Mortar Lining (CML), Add	15.62	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	28.12	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.72	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0103 EA 12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	356.67	88.72
For Cement Mortar Lining (CML), Add	22.23	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	40.01	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.67	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0104 EA 14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	567.08	99.49
For Cement Mortar Lining (CML), Add	41.64	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	74.94	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	31.23	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0105 EA 16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	832.56	113.71
For Cement Mortar Lining (CML), Add	66.03	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	118.85	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	49.52	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0106 EA 18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	1,003.58	159.19
For Cement Mortar Lining (CML), Add	76.24	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	137.24	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	57.18	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0107 EA 20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	1,297.01	198.99
For Cement Mortar Lining (CML), Add	99.55	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	179.20	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	74.66	
Note: ANSI/AWWA C151/A21.51		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0108 EA 24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,642.18 124.07 223.32 93.05	264.97
33 14 13 13-0109 EA 30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,867.55 243.68 438.63 182.76	284.27
33 14 13 13-0110 EA 36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,938.67 449.16 808.48 336.87	295.12
33 14 13 13-0111 Mechanical Joint Ductile Iron Tee (33 14 13 13-0002)		
33 14 13 13-0112 EA 3" x 3" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	143.62 6.97 12.54 5.23	48.79
33 14 13 13-0113 EA 4" x 3" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	152.31 6.97 12.54 5.23	54.53
33 14 13 13-0114 EA 4" x 4" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	145.26 5.83 10.49 4.37	57.44
33 14 13 13-0115 EA 6" x 3" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	190.14 8.05 14.49 6.04	72.36
33 14 13 13-0116 EA 6" x 4" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	212.08 9.79 17.63 7.34	75.34
33 14 13 13-0117 EA 6" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	232.87 10.51 18.93 7.89	84.35
33 14 13 13-0118 EA 8" x 4" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	245.83 11.36 20.44 8.52	87.31
33 14 13 13-0119 EA 8" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	276.84 13.10 23.57 9.82	96.28
33 14 13 13-0120 EA 8" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	312.96 15.80 28.44 11.85	102.29



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0121 EA 10" x 4" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	316.64 17.42 31.36 13.07	94.00
33 14 13 13-0122 EA 10" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	324.16 16.88 30.39 12.66	102.52
33 14 13 13-0123 EA 10" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	361.62 19.77 35.58 14.82	108.21
33 14 13 13-0124 EA 10" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	398.18 22.59 40.66 16.94	113.71
33 14 13 13-0125 EA 12" x 4" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	372.93 21.33 38.39 16.00	105.36
33 14 13 13-0126 EA 12" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	418.89 24.63 44.34 18.47	113.89
33 14 13 13-0127 EA 12" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	497.80 31.66 56.99 23.75	119.58
33 14 13 13-0128 EA 12" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	530.75 34.13 61.43 25.59	125.07
33 14 13 13-0129 EA 12" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	513.54 31.54 56.78 23.66	130.76
33 14 13 13-0130 EA 14" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	542.32 34.13 61.43 25.59	132.71
33 14 13 13-0131 EA 14" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	596.01 38.63 69.54 28.97	138.40
33 14 13 13-0132 EA 14" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	734.11 51.61 92.90 38.71	143.89

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0133 EA 14" x 12" Mechanical Joint Ductile Iron Tee.....	781.17	149.57
For Cement Mortar Lining (CML), Add	55.45	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	99.82	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	41.59	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0134 EA 14" x 14" Mechanical Joint Ductile Iron Tee.....	765.98	159.02
For Cement Mortar Lining (CML), Add	52.51	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	94.52	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	39.38	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0135 EA 16" x 6" Mechanical Joint Ductile Iron Tee.....	681.50	159.18
For Cement Mortar Lining (CML), Add	44.04	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	79.27	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	33.03	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0136 EA 16" x 8" Mechanical Joint Ductile Iron Tee.....	728.05	164.87
For Cement Mortar Lining (CML), Add	47.82	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	86.08	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	35.87	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0137 EA 16" x 10" Mechanical Joint Ductile Iron Tee.....	830.09	170.37
For Cement Mortar Lining (CML), Add	57.20	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	102.95	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	42.90	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0138 EA 16" x 12" Mechanical Joint Ductile Iron Tee.....	899.98	176.04
For Cement Mortar Lining (CML), Add	63.32	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	113.98	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	47.49	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0139 EA 16" x 14" Mechanical Joint Ductile Iron Tee.....	1,061.44	185.46
For Cement Mortar Lining (CML), Add	78.04	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	140.48	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	58.53	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0140 EA 16" x 16" Mechanical Joint Ductile Iron Tee.....	1,022.61	198.72
For Cement Mortar Lining (CML), Add	72.16	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	129.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	54.12	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0141 EA 18" x 6" Mechanical Joint Ductile Iron Tee.....	932.30	203.72
For Cement Mortar Lining (CML), Add	62.36	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	112.25	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	46.77	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0142 EA 18" x 8" Mechanical Joint Ductile Iron Tee.....	992.60	209.41
For Cement Mortar Lining (CML), Add	67.53	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	121.55	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	50.65	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0143 EA 18" x 10" Mechanical Joint Ductile Iron Tee.....	1,064.60	214.90
For Cement Mortar Lining (CML), Add	73.90	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	133.02	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	55.42	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0144 EA 18" x 12" Mechanical Joint Ductile Iron Tee.....	1,136.30	220.59
For Cement Mortar Lining (CML), Add	80.21	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	144.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	60.16	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0145 EA 18" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,171.58 82.31 148.16 61.73	230.00
33 14 13 13-0146 EA 18" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,248.71 88.02 158.43 66.01	243.24
33 14 13 13-0147 EA 18" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,446.47 104.42 187.95 78.31	265.49
33 14 13 13-0148 EA 20" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,144.36 70.17 126.31 52.63	292.14
33 14 13 13-0149 EA 20" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,168.62 71.74 129.12 53.80	297.83
33 14 13 13-0150 EA 20" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,255.64 79.61 143.29 59.70	303.32
33 14 13 13-0151 EA 20" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,342.35 87.42 157.35 65.56	309.01
33 14 13 13-0152 EA 20" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,363.21 88.08 158.54 66.06	318.41
33 14 13 13-0153 EA 20" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,390.48 88.80 159.84 66.60	331.66
33 14 13 13-0154 EA 20" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,695.78 115.95 208.72 86.97	353.92
33 14 13 13-0155 EA 20" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,565.71 96.25 173.25 72.19	398.14
33 14 13 13-0156 EA 24" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,420.31 84.41 151.94 63.31	380.28

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0157 EA 24" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	1,439.75 85.49 153.89 64.12	386.52
33 14 13 13-0158 EA 24" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	1,558.62 96.55 173.79 72.41	391.46
33 14 13 13-0159 EA 24" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	1,594.26 99.25 178.65 74.44	397.15
33 14 13 13-0160 EA 24" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	1,761.11 114.51 206.12 85.88	406.56
33 14 13 13-0161 EA 24" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	1,886.32 125.03 225.05 93.77	419.79
33 14 13 13-0162 EA 24" x 18" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	2,114.72 144.49 260.09 108.37	442.06
33 14 13 13-0163 EA 24" x 20" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	2,340.92 160.41 288.75 120.31	486.27
33 14 13 13-0164 EA 24" x 24" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	2,232.25 142.87 257.17 107.15	530.37
33 14 13 13-0165 EA 30" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	2,291.66 161.20 290.15 120.90	448.62
33 14 13 13-0166 EA 30" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	2,399.11 171.11 307.99 128.33	454.10
33 14 13 13-0167 EA 30" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	2,506.86 181.02 325.84 135.77	459.79
33 14 13 13-0168 EA 30" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	2,661.71 195.08 351.14 146.31	469.20



	Utilities	33
	Water Utilities	33 10
	Water Utility Transmission and Distribution	33 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0169 EA 30" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,831.96 210.10 378.18 157.58	624.27
33 14 13 13-0170 EA 30" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,916.16 215.15 387.26 161.36	504.70
33 14 13 13-0171 EA 30" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,053.44 222.18 399.92 166.63	548.92
33 14 13 13-0172 EA 30" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,221.75 232.33 418.19 174.25	592.98
33 14 13 13-0173 EA 30" x 30" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,940.90 299.50 539.10 224.62	624.27
33 14 13 13-0174 EA 30" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,374.36 170.33 306.59 127.75	442.92
33 14 13 13-0175 EA 36" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,759.50 200.55 360.98 150.41	497.65
33 14 13 13-0176 EA 36" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,028.57 226.62 407.92 169.97	503.15
33 14 13 13-0177 EA 36" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,176.57 240.56 433.01 180.42	508.83
33 14 13 13-0178 EA 36" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,287.55 250.23 450.42 187.67	518.24
33 14 13 13-0179 EA 36" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,403.14 259.79 467.61 194.84	531.48
33 14 13 13-0180 EA 36" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,621.93 278.29 500.92 208.72	553.75

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0181 EA 36" x 20" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	3,874.54 296.86 534.34 222.64	597.96
33 14 13 13-0182 EA 36" x 24" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	4,270.56 329.78 593.60 247.33	642.02
33 14 13 13-0183 EA 36" x 30" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	4,691.11 367.09 660.76 275.32	697.92
33 14 13 13-0184 EA 36" x 36" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	5,404.16 434.68 782.42 326.01	697.92
33 14 13 13-0185 EA 42" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	5,868.83 505.63 910.14 379.22	536.24
33 14 13 13-0186 EA 42" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	5,985.22 515.85 928.52 386.89	545.66
33 14 13 13-0187 EA 42" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	6,612.69 576.59 1,037.86 432.44	558.89
33 14 13 13-0188 EA 42" x 18" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	6,231.88 535.13 963.24 401.35	581.15
33 14 13 13-0189 EA 42" x 20" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	6,298.87 535.13 963.24 401.35	625.37
33 14 13 13-0190 EA 42" x 24" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	6,463.56 544.93 980.87 408.69	669.44
33 14 13 13-0191 EA 42" x 30" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	7,746.27 668.45 1,203.21 501.34	700.77
33 14 13 13-0192 EA 42" x 36" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	8,063.99 696.51 1,253.71 522.38	725.29



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0193	EA			42" x 42" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	8,507.12 738.74 1,329.74 554.06	739.00
33 14 13 13-0194	EA			48" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,871.67 599.30 1,078.74 449.47	579.94
33 14 13 13-0195	EA			48" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,994.07 610.11 1,098.20 457.58	589.34
33 14 13 13-0196	EA			48" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	7,167.33 625.43 1,125.78 469.07	602.58
33 14 13 13-0197	EA			48" x 18" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	7,353.67 640.69 1,153.25 480.52	624.85
33 14 13 13-0198	EA			48" x 20" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	7,573.86 656.01 1,180.83 492.01	669.06
33 14 13 13-0199	EA			48" x 24" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	7,661.06 658.06 1,184.50 493.54	713.12
33 14 13 13-0200	EA			48" x 30" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	9,221.93 809.40 1,456.92 607.05	744.45
33 14 13 13-0201	EA			48" x 36" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	10,448.66 928.36 1,671.04 696.27	768.97
33 14 13 13-0202	EA			48" x 42" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	10,940.47 975.46 1,755.83 731.59	782.67
33 14 13 13-0203	EA			48" x 48" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	11,130.38 991.14 1,784.05 743.36	804.55
33 14 13 13-0204				Mechanical Joint Ductile Iron Wye (Laterals) <small>(33 14 13 13-0002)</small>		
33 14 13 13-0205	EA			4" x 3" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	133.69 5.11 9.19 3.83	54.53

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0206 EA 4" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	182.51	57.41
For Cement Mortar Lining (CML), Add	9.55	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	17.20	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.16	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0207 EA 6" x 3" Mechanical Joint Ductile Iron Wye (Lateral)	190.14	72.36
For Cement Mortar Lining (CML), Add	8.05	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	14.49	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.04	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0208 EA 6" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	212.68	75.34
For Cement Mortar Lining (CML), Add	9.85	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	17.74	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.39	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0209 EA 6" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	271.92	84.31
For Cement Mortar Lining (CML), Add	14.42	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	25.95	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.81	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0210 EA 8" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	331.14	87.31
For Cement Mortar Lining (CML), Add	19.89	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	35.79	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.91	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0211 EA 8" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	312.29	96.28
For Cement Mortar Lining (CML), Add	16.64	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	29.96	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.48	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0212 EA 8" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	365.23	102.26
For Cement Mortar Lining (CML), Add	21.03	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	37.85	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	15.77	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0213 EA 10" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	477.06	94.00
For Cement Mortar Lining (CML), Add	33.47	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	60.24	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	25.10	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0214 EA 10" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	507.41	102.52
For Cement Mortar Lining (CML), Add	35.21	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	63.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	26.41	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0215 EA 10" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	574.91	108.21
For Cement Mortar Lining (CML), Add	41.10	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	73.97	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	30.82	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0216 EA 10" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	640.30	113.71
For Cement Mortar Lining (CML), Add	46.80	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	84.24	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	35.10	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0217 EA 12" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	596.43	105.36
For Cement Mortar Lining (CML), Add	43.68	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	78.62	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	32.76	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0218 EA 12" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	670.02 49.75 89.54 37.31	113.89
33 14 13 13-0219 EA 12" x 8" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	792.19 61.10 109.98 45.83	119.58
33 14 13 13-0220 EA 12" x 10" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	816.74 62.72 112.90 47.04	125.07
33 14 13 13-0221 EA 12" x 12" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	755.05 55.69 100.25 41.77	130.75
33 14 13 13-0222 EA 14" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	871.56 67.05 120.69 50.29	132.71
33 14 13 13-0223 EA 14" x 8" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	985.93 77.62 139.72 58.22	138.40
33 14 13 13-0224 EA 14" x 10" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,255.60 103.76 186.76 77.82	143.89
33 14 13 13-0225 EA 14" x 12" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,341.11 111.45 200.61 83.59	149.57
33 14 13 13-0226 EA 14" x 14" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,321.72 108.08 194.55 81.06	158.98
33 14 13 13-0227 EA 16" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	915.29 67.41 121.34 50.56	159.18
33 14 13 13-0228 EA 16" x 8" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	998.41 74.86 134.75 56.15	164.87
33 14 13 13-0229 EA 16" x 10" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,156.33 89.82 161.68 67.37	170.37

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0230 EA 16" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	1,280.89	176.04
For Cement Mortar Lining (CML), Add	101.42	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	182.55	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	76.06	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0231 EA 16" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	1,572.72	185.46
For Cement Mortar Lining (CML), Add	129.17	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	232.51	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	96.88	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0232 EA 16" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	1,533.89	198.69
For Cement Mortar Lining (CML), Add	123.28	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	221.91	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	92.46	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0233 EA 18" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	1,400.32	203.72
For Cement Mortar Lining (CML), Add	109.17	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	196.50	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	81.87	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0234 EA 18" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	1,499.07	209.41
For Cement Mortar Lining (CML), Add	118.18	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	212.72	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	88.63	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0235 EA 18" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	1,594.51	214.90
For Cement Mortar Lining (CML), Add	126.89	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	228.40	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	95.17	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0236 EA 18" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	1,698.05	220.59
For Cement Mortar Lining (CML), Add	136.38	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	245.49	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	102.29	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0237 EA 18" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	1,723.11	230.00
For Cement Mortar Lining (CML), Add	137.46	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	247.43	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	103.10	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0238 EA 18" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	1,750.38	243.24
For Cement Mortar Lining (CML), Add	138.18	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	248.73	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	103.64	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0239 EA 18" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	1,638.73	265.50
For Cement Mortar Lining (CML), Add	123.65	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	222.56	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	92.73	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0240 EA 20" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	1,705.51	292.14
For Cement Mortar Lining (CML), Add	126.29	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	227.32	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	94.72	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0241 EA 20" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	1,742.38	297.83
For Cement Mortar Lining (CML), Add	129.11	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	232.40	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	96.83	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0242 EA 20" x 10" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,892.49 143.29 257.92 107.47	303.32
33 14 13 13-0243 EA 20" x 12" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,041.69 157.35 283.23 118.01	309.01
33 14 13 13-0244 EA 20" x 14" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,067.95 158.55 285.39 118.91	318.41
33 14 13 13-0245 EA 20" x 16" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,100.63 159.81 287.66 119.86	331.66
33 14 13 13-0246 EA 20" x 18" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,407.13 187.09 336.76 140.32	353.92
33 14 13 13-0247 EA 20" x 20" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,335.94 173.27 311.89 129.95	398.13
33 14 13 13-0248 EA 24" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,095.61 151.94 273.50 113.96	380.28
33 14 13 13-0249 EA 24" x 8" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,123.46 153.87 276.96 115.40	385.97
33 14 13 13-0250 EA 24" x 10" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,330.64 173.75 312.75 130.31	391.46
33 14 13 13-0251 EA 24" x 12" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,428.17 182.64 328.76 136.98	397.15
33 14 13 13-0252 EA 24" x 14" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,757.24 214.13 385.43 160.59	406.56
33 14 13 13-0253 EA 24" x 16" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,035.05 239.90 431.82 179.92	419.79

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0254 EA 24" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	3,371.60	442.06
For Cement Mortar Lining (CML), Add	270.18	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	486.32	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	202.64	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0255 EA 24" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	3,704.73	486.27
For Cement Mortar Lining (CML), Add	296.80	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	534.23	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	222.60	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0256 EA 24" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	3,374.97	530.35
For Cement Mortar Lining (CML), Add	257.14	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	462.86	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	192.86	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0257 EA 30" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	4,022.95	442.92
For Cement Mortar Lining (CML), Add	335.19	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	603.33	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	251.39	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0258 EA 30" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	4,467.75	448.62
For Cement Mortar Lining (CML), Add	378.80	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	681.85	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	284.10	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0259 EA 30" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	4,709.18	454.10
For Cement Mortar Lining (CML), Add	402.12	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	723.81	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	301.59	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0260 EA 30" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	4,950.91	459.79
For Cement Mortar Lining (CML), Add	425.43	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	765.77	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	319.07	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0261 EA 30" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	5,295.01	469.20
For Cement Mortar Lining (CML), Add	458.41	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	825.14	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	343.81	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0262 EA 30" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	5,668.33	482.43
For Cement Mortar Lining (CML), Add	493.74	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	888.73	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	370.30	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0263 EA 30" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	5,820.43	504.70
For Cement Mortar Lining (CML), Add	505.57	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	910.03	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	379.18	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0264 EA 30" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	6,052.63	548.92
For Cement Mortar Lining (CML), Add	522.10	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	939.77	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	391.57	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0265 EA 30" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	6,357.93	592.98
For Cement Mortar Lining (CML), Add	545.95	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	982.70	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	409.46	
Note: ANSI/AWWA C151/A21.51		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0266	EA			30" x 30" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,874.60 592.87 1,067.16 444.65	624.31
33 14 13 13-0267	EA			36" x 12" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,386.38 661.54 1,190.77 496.16	508.83
33 14 13 13-0268	EA			36" x 14" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,666.78 688.16 1,238.68 516.12	518.24
33 14 13 13-0269	EA			36" x 16" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,949.39 714.41 1,285.94 535.81	531.48
33 14 13 13-0270	EA			36" x 18" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,492.01 765.30 1,377.54 573.97	553.75
33 14 13 13-0271	EA			36" x 20" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,069.66 816.37 1,469.46 612.28	597.96
33 14 13 13-0272	EA			36" x 24" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,041.85 906.91 1,632.43 680.18	642.02
33 14 13 13-0273	EA			36" x 30" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,208.59 1,018.84 1,833.91 764.13	673.34
33 14 13 13-0274	EA			36" x 36" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,283.06 1,222.57 2,200.62 916.93	697.87
33 14 13 13-0275	EA			42" x 20" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,698.26 1,075.07 1,935.13 806.30	625.37
33 14 13 13-0276	EA			42" x 24" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,015.55 1,100.13 1,980.23 825.09	669.44
33 14 13 13-0277	EA			42" x 30" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,822.43 1,176.07 2,116.92 882.05	700.77

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0278 EA 42" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	14,595.89	725.29
For Cement Mortar Lining (CML), Add	1,349.70	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,429.45	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,012.27	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0279 EA 42" x 42" Mechanical Joint Ductile Iron Wye (Lateral)	17,112.39	738.99
For Cement Mortar Lining (CML), Add	1,599.27	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,878.69	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,199.45	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0280 EA 48" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	11,586.60	669.06
For Cement Mortar Lining (CML), Add	1,057.29	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,903.12	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	792.97	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0281 EA 48" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	13,083.28	713.12
For Cement Mortar Lining (CML), Add	1,200.28	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,160.50	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	900.21	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0282 EA 48" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	13,930.40	744.45
For Cement Mortar Lining (CML), Add	1,280.25	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,304.44	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	960.18	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0283 EA 48" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	15,809.00	768.97
For Cement Mortar Lining (CML), Add	1,464.39	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,635.90	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,098.29	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0284 EA 48" x 42" Mechanical Joint Ductile Iron Wye (Lateral)	20,473.96	782.67
For Cement Mortar Lining (CML), Add	1,928.81	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	3,471.85	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,446.61	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0285 EA 48" x 48" Mechanical Joint Ductile Iron Wye (Lateral)	22,429.61	804.52
For Cement Mortar Lining (CML), Add	2,121.06	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	3,817.92	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,590.80	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0286 Mechanical Joint Ductile Iron Cross (33 14 13 13-0002)		
33 14 13 13-0287 EA 3" x 3" Mechanical Joint Ductile Iron Cross	176.07	65.06
For Cement Mortar Lining (CML), Add	7.75	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	13.95	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.81	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0288 EA 4" x 3" Mechanical Joint Ductile Iron Cross	206.40	70.80
For Cement Mortar Lining (CML), Add	9.91	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	17.84	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.43	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0289 EA 4" x 4" Mechanical Joint Ductile Iron Cross	234.30	71.75
For Cement Mortar Lining (CML), Add	12.56	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	22.60	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.42	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0290 EA 6" x 3" Mechanical Joint Ductile Iron Cross	282.25	88.70
For Cement Mortar Lining (CML), Add	14.78	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	26.60	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.09	
Note: ANSI/AWWA C151/A21.51		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0291	EA			6" x 4" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	281.94 13.70 24.66 10.27	95.68
33 14 13 13-0292	EA			6" x 6" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	335.00 15.38 27.68 11.54	119.59
33 14 13 13-0293	EA			8" x 4" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	294.94 13.64 24.55 10.23	104.65
33 14 13 13-0294	EA			8" x 6" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	354.01 15.92 28.66 11.94	128.57
33 14 13 13-0295	EA			8" x 8" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	376.03 16.76 30.17 12.57	137.53
33 14 13 13-0296	EA			10" x 4" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	344.40 17.78 32.01 13.34	109.93
33 14 13 13-0297	EA			10" x 6" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	400.49 19.95 35.90 14.96	132.67
33 14 13 13-0298	EA			10" x 8" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	461.48 24.75 44.56 18.56	141.21
33 14 13 13-0299	EA			10" x 10" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	498.31 26.86 48.34 20.14	151.61
33 14 13 13-0300	EA			12 x 4" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	405.60 22.47 40.45 16.85	119.39
33 14 13 13-0301	EA			12" x 6" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	474.29 25.89 46.61 19.42	142.13
33 14 13 13-0302	EA			12" x 8" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	636.83 40.85 73.54 30.64	150.67

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0303 EA 12" x 10" Mechanical Joint Ductile Iron Cross.....	652.63	161.10
For Cement Mortar Lining (CML), Add	40.85	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	73.54	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	30.64	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0304 EA 12" x 12" Mechanical Joint Ductile Iron Cross.....	730.05	170.56
For Cement Mortar Lining (CML), Add	47.16	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	84.89	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	35.37	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0305 EA 14" x 6" Mechanical Joint Ductile Iron Cross.....	731.94	156.34
For Cement Mortar Lining (CML), Add	49.51	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	89.11	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	37.13	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0306 EA 14" x 8" Mechanical Joint Ductile Iron Cross.....	844.60	164.87
For Cement Mortar Lining (CML), Add	59.48	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	107.06	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	44.61	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0307 EA 14" x 10" Mechanical Joint Ductile Iron Cross.....	872.42	175.31
For Cement Mortar Lining (CML), Add	60.68	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	109.23	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	45.51	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0308 EA 14" x 12" Mechanical Joint Ductile Iron Cross.....	920.40	184.76
For Cement Mortar Lining (CML), Add	64.05	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	115.28	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	48.03	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0309 EA 14" x 14" Mechanical Joint Ductile Iron Cross.....	1,013.42	198.99
For Cement Mortar Lining (CML), Add	71.20	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	128.15	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	53.40	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0310 EA 16" x 6" Mechanical Joint Ductile Iron Cross.....	834.77	176.23
For Cement Mortar Lining (CML), Add	56.78	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	102.20	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	42.58	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0311 EA 16" x 8" Mechanical Joint Ductile Iron Cross.....	936.01	184.76
For Cement Mortar Lining (CML), Add	65.61	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	118.09	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	49.21	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0312 EA 16" x 10" Mechanical Joint Ductile Iron Cross.....	1,097.55	195.18
For Cement Mortar Lining (CML), Add	80.18	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	144.33	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	60.14	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0313 EA 16" x 12" Mechanical Joint Ductile Iron Cross.....	1,211.88	204.65
For Cement Mortar Lining (CML), Add	90.18	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	162.32	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	67.64	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0314 EA 16" x 14" Mechanical Joint Ductile Iron Cross.....	1,438.88	218.86
For Cement Mortar Lining (CML), Add	110.73	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	199.31	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	83.05	
Note: ANSI/AWWA C151/A21.51		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0315	EA		16" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,669.07 130.73 235.32 98.05	238.78
33 14 13	13-0316	EA		18" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,307.65 99.19 178.55 74.39	208.38
33 14 13	13-0317	EA		18" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,379.46 105.08 189.14 78.81	216.92
33 14 13	13-0318	EA		18" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,444.52 110.01 198.01 82.50	227.34
33 14 13	13-0319	EA		18" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,557.40 119.86 215.75 89.90	236.81
33 14 13	13-0320	EA		18" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,794.60 141.43 254.57 106.07	251.01
33 14 13	13-0321	EA		18" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,913.65 150.32 270.58 112.74	270.90
33 14 13	13-0322	EA		18" x 18" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,021.25 156.21 281.17 117.16	303.05
33 14 13	13-0323	EA		20" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,643.41 124.73 224.51 93.54	261.46
33 14 13	13-0324	EA		20" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,715.82 130.67 235.21 98.01	270.00
33 14 13	13-0325	EA		20" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,770.67 134.58 242.24 100.93	280.42
33 14 13	13-0326	EA		20" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,882.94 144.37 259.87 108.28	289.88

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0327 EA 20" x 14" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,924.29 146.36 263.44 109.77	304.10
33 14 13 13-0328 EA 20" x 16" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,288.46 179.76 323.57 134.82	323.97
33 14 13 13-0329 EA 20" x 18" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,396.07 185.65 334.16 139.24	356.13
33 14 13 13-0330 EA 20" x 20" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,614.07 199.41 358.93 149.55	409.17
33 14 13 13-0331 EA 24" x 6" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,214.44 171.89 309.40 128.92	327.06
33 14 13 13-0332 EA 24" x 8" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,267.29 175.85 316.54 131.89	335.60
33 14 13 13-0333 EA 24" x 10" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,351.32 182.70 328.87 137.03	346.03
33 14 13 13-0334 EA 24" x 12" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,424.54 188.59 339.46 141.44	355.50
33 14 13 13-0335 EA 24" x 14" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,475.50 191.54 344.76 143.65	369.70
33 14 13 13-0336 EA 24" x 16" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,574.72 198.44 357.20 148.83	389.59
33 14 13 13-0337 EA 24" x 18" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,320.97 268.20 482.75 201.15	421.74
33 14 13 13-0338 EA 24" x 20" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,528.76 280.93 505.68 210.70	474.82



	Utilities	33
	Water Utilities	33 10
	Water Utility Transmission and Distribution	33 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0339 EA 24" x 24" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,903.33 308.45 555.21 231.34	540.44
33 14 13 13-0340 EA 30" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,066.06 340.71 613.29 255.54	434.88
33 14 13 13-0341 EA 30" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,148.54 347.38 625.29 260.54	445.32
33 14 13 13-0342 EA 30" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,228.97 353.99 637.18 265.49	454.78
33 14 13 13-0343 EA 30" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,326.80 361.62 650.92 271.22	468.98
33 14 13 13-0344 EA 30" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,442.24 370.15 666.28 277.61	488.87
33 14 13 13-0345 EA 30" x 18" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,585.89 379.65 683.36 284.73	521.02
33 14 13 13-0346 EA 30" x 20" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,779.86 391.00 703.80 293.25	574.11
33 14 13 13-0347 EA 30" x 24" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,057.44 508.82 915.87 381.61	639.71
33 14 13 13-0348 EA 30" x 30" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,968.47 584.88 1,052.78 438.66	739.00
33 14 13 13-0349 EA 36" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,555.02 484.07 871.32 363.05	471.48
33 14 13 13-0350 EA 36" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,636.90 490.67 883.21 368.00	481.91

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0351 EA 36" x 12" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,707.71 496.32 893.38 372.24	491.38
33 14 13 13-0352 EA 36" x 14" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,795.32 502.93 905.27 377.20	505.57
33 14 13 13-0353 EA 36" x 16" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,901.16 510.50 918.90 382.88	525.47
33 14 13 13-0354 EA 36" x 18" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,034.59 518.97 934.15 389.23	557.62
33 14 13 13-0355 EA 36" x 20" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,218.95 529.37 952.86 397.02	610.70
33 14 13 13-0356 EA 36" x 24" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,516.62 549.19 988.54 411.89	676.31
33 14 13 13-0357 EA 36" x 30" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,658.09 748.30 1,346.93 561.22	775.59
33 14 13 13-0358 EA 36" x 36" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,477.77 824.72 1,484.49 618.54	812.23
33 14 13 13-0359 EA 42" x 12" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,349.92 657.34 1,183.20 493.00	512.53
33 14 13 13-0360 EA 42" x 14" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,264.08 746.60 1,343.88 559.95	526.74
33 14 13 13-0361 EA 42" x 16" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,536.75 670.85 1,207.54 503.14	546.62
33 14 13 13-0362 EA 42" x 18" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,658.17 678.12 1,220.62 508.59	578.78



	Utilities	33
	Water Utilities	33 10
	Water Utility Transmission and Distribution	33 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0363 EA 42" x 20" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,837.72 688.04 1,238.46 516.03	631.86
33 14 13 13-0364 EA 42" x 24" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,117.97 706.12 1,271.02 529.59	697.47
33 14 13 13-0365 EA 42" x 30" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,308.72 910.15 1,638.27 682.61	796.75
33 14 13 13-0366 EA 42" x 36" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,281.04 1,201.84 2,163.31 901.38	833.35
33 14 13 13-0367 EA 42" x 42" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,197.48 1,290.28 2,322.50 967.71	854.52
33 14 13 13-0368 EA 48" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,852.17 894.83 1,610.70 671.12	596.54
33 14 13 13-0369 EA 48" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,927.77 900.24 1,620.43 675.18	610.76
33 14 13 13-0370 EA 48" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,030.00 907.45 1,633.41 680.59	630.63
33 14 13 13-0371 EA 48" x 18" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,150.81 914.66 1,646.38 685.99	662.80
33 14 13 13-0372 EA 48" x 20" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,321.96 923.73 1,662.71 692.80	715.87
33 14 13 13-0373 EA 48" x 24" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,592.60 940.85 1,693.54 705.64	781.48
33 14 13 13-0374 EA 48" x 30" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,257.90 992.34 1,786.21 744.26	880.77

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0375 EA 48" x 36" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,651.67 1,226.17 2,207.11 919.63	917.36
33 14 13 13-0376 EA 48" x 42" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,340.80 1,591.88 2,865.38 1,193.91	938.53
33 14 13 13-0377 EA 48" x 48" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,488.26 1,693.90 3,049.01 1,270.42	1,022.49
33 14 13 13-0378 Mechanical Joint x Mechanical Joint Ductile Iron Reducers (33 14 13 13-0002)		
33 14 13 13-0379 EA 4" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	88.48 3.49 6.27 2.61	35.39
33 14 13 13-0380 EA 6" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	105.67 3.85 6.92 2.88	44.37
33 14 13 13-0381 EA 6" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	113.63 4.21 7.57 3.15	47.24
33 14 13 13-0382 EA 8" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	138.41 5.77 10.38 4.33	53.23
33 14 13 13-0383 EA 8" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	155.51 6.13 11.03 4.60	62.19
33 14 13 13-0384 EA 10" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	160.10 7.51 13.52 5.63	56.09
33 14 13 13-0385 EA 10" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	177.22 7.93 14.28 5.95	64.62
33 14 13 13-0386 EA 10" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	193.65 8.71 15.68 6.53	70.31
33 14 13 13-0387 EA 12" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	188.53 9.49 17.09 7.12	61.78



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0388 EA 12" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	211.06 10.45 18.82 7.84	70.31
33 14 13 13-0389 EA 12" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	222.68 10.75 19.36 8.07	76.00
33 14 13 13-0390 EA 12" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	242.42 11.90 21.41 8.92	81.49
33 14 13 13-0391 EA 14" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	352.69 23.19 41.74 17.39	79.71
33 14 13 13-0392 EA 14" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	349.29 21.99 39.58 16.49	85.41
33 14 13 13-0393 EA 14" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	325.17 18.75 33.74 14.06	90.89
33 14 13 13-0394 EA 14" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	342.80 19.65 35.36 14.73	96.58
33 14 13 13-0395 EA 16" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	413.60 27.28 49.10 20.46	92.94
33 14 13 13-0396 EA 16" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	412.00 26.26 47.26 19.69	98.64
33 14 13 13-0397 EA 16" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	410.71 25.29 45.53 18.97	104.14
33 14 13 13-0398 EA 16" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	442.76 27.64 49.75 20.73	109.82
33 14 13 13-0399 EA 16" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	490.06 30.94 55.69 23.21	119.23

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0400 EA 18" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	520.24	120.91
For Cement Mortar Lining (CML), Add	33.71	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	60.67	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	25.28	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0401 EA 18" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	575.43	126.40
For Cement Mortar Lining (CML), Add	38.39	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	69.10	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	28.79	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0402 EA 18" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	563.61	132.09
For Cement Mortar Lining (CML), Add	36.35	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	65.43	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	27.26	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0403 EA 18" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	598.90	141.49
For Cement Mortar Lining (CML), Add	38.45	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	69.21	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	28.84	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0404 EA 18" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	635.77	154.73
For Cement Mortar Lining (CML), Add	40.13	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	72.24	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	30.10	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0405 EA 20" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	729.62	165.13
For Cement Mortar Lining (CML), Add	47.94	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	86.30	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	35.96	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0406 EA 20" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	710.30	170.61
For Cement Mortar Lining (CML), Add	45.18	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	81.32	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	33.89	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0407 EA 20" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	671.45	176.30
For Cement Mortar Lining (CML), Add	40.43	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	72.78	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	30.33	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0408 EA 20" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	682.70	185.70
For Cement Mortar Lining (CML), Add	40.13	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	72.24	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	30.10	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0409 EA 20" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	711.17	198.94
For Cement Mortar Lining (CML), Add	40.98	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	73.76	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	30.73	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0410 EA 20" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	838.03	221.21
For Cement Mortar Lining (CML), Add	50.29	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	90.52	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	37.72	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0411 EA 24" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	953.31	220.36
For Cement Mortar Lining (CML), Add	61.94	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	111.50	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	46.46	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0412 EA 24" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	983.19	229.78
For Cement Mortar Lining (CML), Add	63.51	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	114.31	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	47.63	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0413 EA 24" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,011.66	243.01
For Cement Mortar Lining (CML), Add	64.35	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	115.82	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	48.26	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0414 EA 24" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,017.16	265.28
For Cement Mortar Lining (CML), Add	61.52	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	110.74	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	46.14	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0415 EA 24" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,230.74	309.49
For Cement Mortar Lining (CML), Add	76.18	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	137.13	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	57.14	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0416 EA 30" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,812.51	274.34
For Cement Mortar Lining (CML), Add	139.69	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	251.43	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	104.76	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0417 EA 30" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,901.52	296.60
For Cement Mortar Lining (CML), Add	145.21	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	261.38	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	108.91	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0418 EA 30" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,888.01	340.81
For Cement Mortar Lining (CML), Add	137.16	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	246.89	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	102.87	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0419 EA 30" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,889.30	384.89
For Cement Mortar Lining (CML), Add	130.61	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	235.11	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	97.96	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0420 EA 36" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,678.56	365.33
For Cement Mortar Lining (CML), Add	212.50	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	382.51	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	159.38	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0421 EA 36" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,307.36	409.41
For Cement Mortar Lining (CML), Add	168.71	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	303.67	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	126.53	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0422 EA 36" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,502.60	440.72
For Cement Mortar Lining (CML), Add	183.48	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	330.27	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	137.61	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0423 EA 42" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,343.00	312.56
For Cement Mortar Lining (CML), Add	286.94	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	516.50	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	215.21	
Note: ANSI/AWWA C151/A21.51		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0424 EA 42" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,350.31	334.83
For Cement Mortar Lining (CML), Add	284.30	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	511.74	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	213.22	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0425 EA 42" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,407.67	379.03
For Cement Mortar Lining (CML), Add	283.34	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	510.01	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	212.50	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0426 EA 42" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,803.09	423.12
For Cement Mortar Lining (CML), Add	316.20	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	569.16	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	237.15	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0427 EA 42" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,226.91	454.43
For Cement Mortar Lining (CML), Add	253.84	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	456.91	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	190.38	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0428 EA 42" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,380.62	478.95
For Cement Mortar Lining (CML), Add	265.49	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	477.89	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	199.12	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0429 EA 48" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,429.89	334.41
For Cement Mortar Lining (CML), Add	392.32	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	706.18	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	294.24	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0430 EA 48" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,323.05	356.67
For Cement Mortar Lining (CML), Add	378.26	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	680.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	283.70	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0431 EA 48" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,173.75	400.88
For Cement Mortar Lining (CML), Add	356.64	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	641.94	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	267.48	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0432 EA 48" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,331.24	444.96
For Cement Mortar Lining (CML), Add	365.71	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	658.27	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	274.28	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0433 EA 48" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,127.90	476.27
For Cement Mortar Lining (CML), Add	440.63	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	793.13	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	330.47	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0434 EA 48" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,563.65	500.79
For Cement Mortar Lining (CML), Add	380.49	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	684.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	285.37	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0435 EA 48" x 42" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,979.74	514.51
For Cement Mortar Lining (CML), Add	420.02	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	756.03	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	315.01	
Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0436 Mechanical Joint Ductile Iron Caps (33 14 13 13-0002)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0437 EA 3" Mechanical Joint Ductile Iron Caps <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	128.87 1.56 2.81 1.17	74.75
33 14 13 13-0438 EA 4" Mechanical Joint Ductile Iron Caps <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	149.10 1.62 2.92 1.22	87.70
33 14 13 13-0439 EA 6" Mechanical Joint Ductile Iron Caps <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	194.94 2.88 5.19 2.16	109.63
33 14 13 13-0440 EA 8" Mechanical Joint Ductile Iron Caps <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	237.89 4.81 8.65 3.60	125.30
33 14 13 13-0441 EA 10" Mechanical Joint Ductile Iron Caps <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	347.82 6.07 10.92 4.55	189.51
33 14 13 13-0442 EA 12" Mechanical Joint Ductile Iron Caps <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	403.96 9.07 16.33 6.80	206.74
33 14 13 13-0443 EA 14" Mechanical Joint Ductile Iron Caps <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	482.15 13.76 24.76 10.32	227.41
33 14 13 13-0444 EA 16" Mechanical Joint Ductile Iron Caps <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	567.30 18.45 33.20 13.83	252.65
33 14 13 13-0445 EA 18" Mechanical Joint Ductile Iron Caps <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	656.01 22.53 40.55 16.90	284.27
33 14 13 13-0446 EA 20" Mechanical Joint Ductile Iron Caps <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	783.62 29.14 52.45 21.85	324.84
33 14 13 13-0447 EA 24" Mechanical Joint Ductile Iron Caps <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	974.40 40.01 72.02 30.01	379.02
33 14 13 13-0448 EA 30" Mechanical Joint Ductile Iron Caps <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,604.15 91.50 164.70 68.63	454.82

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0449 EA 36" Mechanical Joint Ductile Iron Caps.....	2,525.63	568.53
For Cement Mortar Lining (CML), Add	166.42	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	299.56	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	124.82	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0450 EA 42" Mechanical Joint Ductile Iron Caps.....	3,557.65	682.23
For Cement Mortar Lining (CML), Add	252.40	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	454.31	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	189.30	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0451 EA 48" Mechanical Joint Ductile Iron Caps.....	4,189.79	758.04
For Cement Mortar Lining (CML), Add	304.13	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	547.43	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	228.09	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0452 Mechanical Joint Ductile Iron Plug (33 14 13 13-0002)		
33 14 13 13-0453 EA 3" Mechanical Joint Ductile Iron Plug.....	131.27	74.75
For Cement Mortar Lining (CML), Add	1.80	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	3.24	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.35	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0454 EA 4" Mechanical Joint Ductile Iron Plug.....	152.71	87.70
For Cement Mortar Lining (CML), Add	1.98	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	3.57	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.49	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0455 EA 6" Mechanical Joint Ductile Iron Plug.....	204.55	109.63
For Cement Mortar Lining (CML), Add	3.85	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	6.92	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.88	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0456 EA 8" Mechanical Joint Ductile Iron Plug.....	247.51	125.30
For Cement Mortar Lining (CML), Add	5.77	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	10.38	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.33	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0457 EA 10" Mechanical Joint Ductile Iron Plug.....	386.87	189.51
For Cement Mortar Lining (CML), Add	9.97	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	17.95	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.48	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0458 EA 12" Mechanical Joint Ductile Iron Plug.....	414.78	206.74
For Cement Mortar Lining (CML), Add	10.15	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	18.28	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.62	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0459 EA 14" Mechanical Joint Ductile Iron Plug.....	551.25	227.41
For Cement Mortar Lining (CML), Add	20.67	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	37.20	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	15.50	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0460 EA 16" Mechanical Joint Ductile Iron Plug.....	409.29	252.65
For Cement Mortar Lining (CML), Add	2.64	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	4.76	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.98	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0461 EA 18" Mechanical Joint Ductile Iron Plug.....	758.75	284.27
For Cement Mortar Lining (CML), Add	32.80	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	59.05	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.60	
Note: ANSI/AWWA C151/A21.51		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 14 13	13-0462	EA	20" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	923.60 43.14 77.65 32.35	324.84
	33 14 13	13-0463	EA	24" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,172.67 59.84 107.71 44.88	379.02
	33 14 13	13-0464	EA	30" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,876.91 118.78 213.80 89.08	454.82
	33 14 13	13-0465	EA	36" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,696.25 183.48 330.27 137.61	568.53
	33 14 13	13-0466	EA	42" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,579.28 254.56 458.21 190.92	682.23
	33 14 13	13-0467	EA	48" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,541.86 339.33 610.80 254.50	758.04
	33 14 13	13-0468		Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters <small>(33 14 13 13-0002)</small>		
	33 14 13	13-0469	EA	3" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	211.19 3.91 7.03 2.93	113.61
	33 14 13	13-0470	EA	4" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	241.38 4.21 7.57 3.15	131.55
	33 14 13	13-0471	EA	6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	307.43 5.83 10.49 4.37	164.44
	33 14 13	13-0472	EA	8" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	373.07 8.83 15.90 6.62	187.90
	33 14 13	13-0473	EA	10" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	584.51 15.38 27.68 11.54	284.27
	33 14 13	13-0474	EA	12" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	666.92 19.71 35.47 14.78	310.11

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0475 EA 14" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	829.86	341.12
For Cement Mortar Lining (CML), Add	31.30	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	56.34	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	23.48	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0476 EA 16" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	931.75	379.02
For Cement Mortar Lining (CML), Add	35.75	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	64.35	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	26.81	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0477 EA 18" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,192.79	426.40
For Cement Mortar Lining (CML), Add	54.67	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	98.41	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	41.00	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0478 EA 20" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,389.62	487.30
For Cement Mortar Lining (CML), Add	65.13	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	117.23	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	48.85	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0479 EA 24" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,663.48	568.53
For Cement Mortar Lining (CML), Add	80.21	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	144.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	60.16	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0480 EA 30" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	2,509.86	682.23
For Cement Mortar Lining (CML), Add	147.62	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	265.71	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	110.71	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0481 EA 36" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	3,407.54	852.79
For Cement Mortar Lining (CML), Add	211.54	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	380.78	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	158.66	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0482 EA 42" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	4,426.03	974.60
For Cement Mortar Lining (CML), Add	294.93	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	530.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	221.20	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0483 EA 48" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	5,416.54	1,137.06
For Cement Mortar Lining (CML), Add	369.37	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	664.87	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	277.03	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0484 Mechanical Joint Ductile Iron Long Sleeves (33 14 13 13-0002)		
33 14 13 13-0485 EA 3" Mechanical Joint Ductile Iron Long Sleeves.....	205.18	113.61
For Cement Mortar Lining (CML), Add	3.30	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	5.95	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.48	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0486 EA 4" Mechanical Joint Ductile Iron Long Sleeves.....	238.37	131.55
For Cement Mortar Lining (CML), Add	3.91	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	7.03	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.93	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0487 EA 6" Mechanical Joint Ductile Iron Long Sleeves.....	314.64	164.44
For Cement Mortar Lining (CML), Add	6.55	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	11.79	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.91	
Note: ANSI/AWWA C151/A21.51		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0488	EA	8" Mechanical Joint Ductile Iron Long Sleeves <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	392.29 10.75	187.90
			<i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	19.36	
			<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	8.07	
33 14 13	13-0489	EA	10" Mechanical Joint Ductile Iron Long Sleeves <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	558.68 12.80	284.27
			<i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	23.03	
			<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	9.60	
33 14 13	13-0490	EA	12" Mechanical Joint Ductile Iron Long Sleeves <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	642.89 17.30	310.11
			<i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	31.15	
			<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	12.98	
33 14 13	13-0491	EA	14" Mechanical Joint Ductile Iron Long Sleeves <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	778.19 26.14	341.12
			<i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	47.04	
			<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	19.60	
33 14 13	13-0492	EA	16" Mechanical Joint Ductile Iron Long Sleeves <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	905.31 33.10	379.02
			<i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	59.59	
			<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	24.83	
33 14 13	13-0493	EA	18" Mechanical Joint Ductile Iron Long Sleeves <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	1,069.62 42.36	426.40
			<i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	76.24	
			<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	31.77	
33 14 13	13-0494	EA	20" Mechanical Joint Ductile Iron Long Sleeves <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	1,249.63 51.13	487.30
			<i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	92.03	
			<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	38.35	
33 14 13	13-0495	EA	24" Mechanical Joint Ductile Iron Long Sleeves <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	1,534.91 67.35	568.53
			<i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	121.23	
			<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	50.51	
33 14 13	13-0496	EA	30" Mechanical Joint Ductile Iron Long Sleeves <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	2,444.37 141.07	682.23
			<i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	253.92	
			<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	105.80	
33 14 13	13-0497	EA	36" Mechanical Joint Ductile Iron Long Sleeves <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	3,272.96 198.08	852.79
			<i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	356.55	
			<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	148.56	
33 14 13	13-0498	EA	42" Mechanical Joint Ductile Iron Long Sleeves <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	4,124.54 264.95	973.48
			<i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	476.92	
			<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	198.71	
33 14 13	13-0499	EA	48" Mechanical Joint Ductile Iron Long Sleeves <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	5,444.78 372.20	1,137.06
			<i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	669.95	
			<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	279.15	

33	Utilities
33 10	Water Utilities
33 14	Water Utility Transmission and Distribution



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-0500	Mechanical Joint Ductile Iron Gland Packs <small>(33 14 13 13-0002)</small>		
	Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts.		
33 14 13 13-0501	Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts <small>(33 14 13 13-0500)</small>		
	Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0502	EA	3" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	12.02
33 14 13 13-0503	EA	4" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	32.96
	Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0504	EA	6" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	39.82
	Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0505	EA	8" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	46.69
	Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0506	EA	10" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	64.54
	Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0507	EA	12" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	68.66
	Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0508	EA	14" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	112.60
	Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0509	EA	16" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	119.47
	Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0510	EA	18" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	159.29
	Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0511	EA	20" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	205.98
	Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0512	EA	24" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	287.00
	Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0513	EA	30" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	685.23
	Note: Includes twenty (20) 1" diameter plain finish Boltss with nut.		
33 14 13 13-0514	EA	36" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	1,477.56
	Note: Includes twenty-four (24) 1" diameter plain finish Boltss with nut.		
33 14 13 13-0515	EA	42" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	2,157.30
	Note: Includes twenty-eight (28) 1-1/4" diameter plain finish Boltss with nut.		
33 14 13 13-0516	EA	48" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	2,647.53
	Note: Includes thirty-two (32) 1-1/4" diameter plain finish Boltss with nut.		
33 14 13 13-0517	EA	54" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	3,556.59
	Note: Includes thirty-six (36) 1-1/4" diameter plain finish Boltss with nut.		
33 14 13 13-0518	Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts <small>(33 14 13 13-0500)</small>		
	Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0519	EA	3" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	20.43
33 14 13 13-0520	EA	4" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	46.69
	Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0521	EA	6" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	59.05
	Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0522	EA	8" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	64.54
	Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0523	EA	10" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	89.26
	Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0524	EA	12" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	93.38
	Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0525	EA	14" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	141.44
	Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0526	EA	16" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	155.17
	Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0527	EA	18" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	205.98
	Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0528	EA	20" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	266.40
	Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0529	EA	24" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	372.14
	Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0530	Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts <small>(33 14 13 13-0500)</small>		
	Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0531	EA	3" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	13.22
33 14 13 13-0532	EA	4" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	35.70
	Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0533	EA	6" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	42.57
	Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0534	EA	8" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	50.81
	Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0535	EA	10" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	70.03
	Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0536	EA	12" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	74.15
	Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0537	EA	14" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	122.21
	Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0538	EA	16" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	129.08
	Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0539	EA	18" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	174.40
	Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0540	EA	20" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.	223.83	
33 14 13	13-0541	EA	24" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.	313.09	
33 14 13	13-0542	EA	30" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes twenty (20) 1" diameter plain finish Boltss with nut.	749.77	
33 14 13	13-0543	EA	36" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes twenty-four (24) 1" diameter plain finish Boltss with nut.	1,661.57	
33 14 13	13-0544	EA	42" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes twenty-eight (28) 1-1/4" diameter plain finish Boltss with nut.	2,405.85	
33 14 13	13-0545	EA	48" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes thirty-two (32) 1-1/4" diameter plain finish Boltss with nut.	2,960.62	
33 14 13	13-0546	EA	54" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes thirty-six (36) 1-1/4" diameter plain finish Boltss with nut.	3,633.49	
33 14 13 13-0547 Mechanical Joint Restraints With Accessories For Ductile Iron Pipe (MEGALUG® 1100DEC Series) <small>(33 14 13 13-0002)</small>					
Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts and bolts. Excludes pipe and fitting.					
33 14 13	13-0548	EA	3" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1103DSC).....	148.93	56.99
33 14 13	13-0549	EA	4" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1104DEC).....	170.25	67.49
33 14 13	13-0550	EA	6" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1106DEC).....	211.19	83.53
33 14 13	13-0551	EA	8" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1108DEC).....	262.53	97.48
33 14 13	13-0552	EA	10" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1110DEC).....	379.48	142.13
33 14 13	13-0553	EA	12" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1112DEC).....	466.15	162.46
33 14 13	13-0554	EA	14" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1114DEC).....	540.91	174.87
33 14 13	13-0555	EA	16" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1116DEC).....	663.11	189.51
33 14 13	13-0556	EA	18" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1118DEC).....	848.78	227.41
33 14 13	13-0557	EA	20" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1120DEC).....	999.70	252.57
33 14 13	13-0558	EA	24" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1124DEC).....	1,293.36	291.42
33 14 13	13-0559	EA	30" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1130DEC).....	2,482.01	349.47
33 14 13	13-0560	EA	36" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1136DEC).....	3,065.78	437.34
33 14 13	13-0561	EA	42" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1142DEC).....	4,505.83	504.61
33 14 13	13-0562	EA	48" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1148DEC).....	5,770.60	648.98
33 14 13 13-0563 Mechanical Joint Ductile Iron Force Balanced Flexible Expansion Joint (FLEX-TEND®) <small>(33 14 13 13-0002)</small>					
33 14 13	13-0564	EA	3" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	3,020.08	46.64
33 14 13	13-0565	EA	4" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	3,145.90	58.31
33 14 13	13-0566	EA	6" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	4,564.98	86.16
33 14 13	13-0567	EA	8" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	6,202.03	102.20
33 14 13	13-0568	EA	10" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	7,816.00	113.44
33 14 13	13-0569	EA	12" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	10,422.59	133.09
33 14 13	13-0570	EA	14" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	12,837.55	149.24
33 14 13	13-0571	EA	16" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	15,186.68	170.56
33 14 13	13-0572	EA	18" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	17,127.44	238.78
33 14 13	13-0573	EA	20" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	23,038.92	298.48
33 14 13	13-0574	EA	24" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	31,921.20	397.97
33 14 13 13-0575 Set Screw Flange Adapter For Ductile Iron Pipe (E-Z Flange 1000DSM Series) <small>(33 14 13 13-0002)</small>					
Note: Includes machined bolts and gasket.					
33 14 13	13-0576	EA	3" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1003DSM).....	147.92	56.99
33 14 13	13-0577	EA	4" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1004DSM).....	188.99	67.49
33 14 13	13-0578	EA	6" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1006DSM).....	243.68	83.53
33 14 13	13-0579	EA	8" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1008DSM).....	278.47	97.48
33 14 13	13-0580	EA	10" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1010DSM).....	485.68	149.49
33 14 13	13-0581	EA	12" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1012DSM).....	549.94	170.87
33 14 13 13-0582 Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2100 Series) <small>(33 14 13 13-0002)</small>					
Note: Includes nuts, bolts and gasket.					
33 14 13	13-0583	EA	3" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210300).....	211.59	56.99
33 14 13	13-0584	EA	4" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210400).....	262.66	67.49
33 14 13	13-0585	EA	6" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210600).....	362.12	83.53
33 14 13	13-0586	EA	8" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210800).....	519.97	97.48
33 14 13	13-0587	EA	10" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211000).....	754.57	149.49
33 14 13	13-0588	EA	12" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211200).....	935.87	170.87
33 14 13	13-0589	EA	14" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211400).....	1,429.72	183.92
33 14 13	13-0590	EA	16" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211600).....	1,994.65	199.32
33 14 13	13-0591	EA	18" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211800).....	2,258.21	239.19
33 14 13	13-0592	EA	20" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212000).....	2,494.73	265.64
33 14 13	13-0593	EA	24" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212400).....	3,015.71	306.50
33 14 13	13-0594	EA	30" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213000).....	3,875.75	367.56
33 14 13	13-0595	EA	36" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213600).....	5,775.12	459.98
33 14 13	13-0596	EA	42" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214200).....	14,960.30	530.74



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0597 EA 48" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214800)	19,162.43	682.59
33 14 13 13-0598 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Piping (33 14 13 13-0001) Note: . See CSI section 33 14 13 13-0500 for bolts and gaskets.		
33 14 13 13-0599 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow (33 14 13 13-0598)		
33 14 13 13-0600 EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	177.26	32.53
33 14 13 13-0601 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	212.09	38.95
33 14 13 13-0602 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	326.70	57.08
33 14 13 13-0603 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	437.93	67.95
33 14 13 13-0604 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	585.60	75.80
33 14 13 13-0605 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	736.37	88.72
33 14 13 13-0606 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,024.29	99.93
33 14 13 13-0607 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,236.90	113.71
33 14 13 13-0608 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,513.05	159.36
33 14 13 13-0609 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,886.39	198.99
33 14 13 13-0610 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	2,653.33	265.32
33 14 13 13-0611 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	4,129.84	284.27
33 14 13 13-0612 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	5,978.05	295.46
33 14 13 13-0613 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	9,726.50	341.12
33 14 13 13-0614 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	12,652.96	362.66
33 14 13 13-0615 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow (33 14 13 13-0598)		
33 14 13 13-0616 EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	170.65	32.53
33 14 13 13-0617 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	200.68	38.95
33 14 13 13-0618 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	306.87	57.08
33 14 13 13-0619 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	407.28	67.95
33 14 13 13-0620 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	520.71	75.80
33 14 13 13-0621 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	678.09	88.72
33 14 13 13-0622 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	899.33	99.93
33 14 13 13-0623 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,072.28	113.71
33 14 13 13-0624 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,288.96	159.36
33 14 13 13-0625 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,569.77	198.99
33 14 13 13-0626 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	2,071.15	265.32
33 14 13 13-0627 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	3,638.98	284.27
33 14 13 13-0628 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	4,948.88	295.46
33 14 13 13-0629 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	7,271.63	341.12
33 14 13 13-0630 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	9,246.42	362.66
33 14 13 13-0631 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow (33 14 13 13-0598)		
33 14 13 13-0632 EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	138.81	32.53
33 14 13 13-0633 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	198.88	38.95
33 14 13 13-0634 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	299.66	57.08
33 14 13 13-0635 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	404.88	67.95
33 14 13 13-0636 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	520.11	75.80
33 14 13 13-0637 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	643.25	88.72
33 14 13 13-0638 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	904.13	99.93
33 14 13 13-0639 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,050.65	113.71
33 14 13 13-0640 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,283.55	159.36
33 14 13 13-0641 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,619.64	198.99
33 14 13 13-0642 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,031.50	265.32
33 14 13 13-0643 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	3,264.68	284.27
33 14 13 13-0644 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	4,378.12	295.46
33 14 13 13-0645 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	6,196.80	341.12
33 14 13 13-0646 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	7,872.39	362.66
33 14 13 13-0647 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow (33 14 13 13-0598)		
33 14 13 13-0648 EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	138.81	32.53
33 14 13 13-0649 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	231.92	38.95
33 14 13 13-0650 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	302.07	57.08
33 14 13 13-0651 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	394.07	67.95
33 14 13 13-0652 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	518.91	75.80
33 14 13 13-0653 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	627.03	88.72
33 14 13 13-0654 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	967.22	99.93
33 14 13 13-0655 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,080.09	113.71
33 14 13 13-0656 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,454.18	159.36
33 14 13 13-0657 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,567.97	198.99
33 14 13 13-0658 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,032.10	265.32
33 14 13 13-0659 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	3,304.34	284.27
33 14 13 13-0660 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	4,264.57	295.46
33 14 13 13-0661 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	6,034.59	341.12



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
33 14 13 13-0662	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	7,829.13	362.66
33 14 13 13-0663		Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow (33 14 13 13-0598)		
33 14 13 13-0664	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	158.64	32.53
33 14 13 13-0665	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	225.91	38.95
33 14 13 13-0666	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	349.53	57.08
33 14 13 13-0667	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	466.76	67.95
33 14 13 13-0668	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	627.65	75.80
33 14 13 13-0669	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	782.63	88.72
33 14 13 13-0670	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,356.54	99.93
33 14 13 13-0671	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,082.22	113.71
33 14 13 13-0672	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,404.04	159.36
33 14 13 13-0673	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,783.99	198.99
33 14 13 13-0674	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	3,052.26	265.32
33 14 13 13-0675		Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow (33 14 13 13-0598)		
33 14 13 13-0676	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	158.64	32.53
33 14 13 13-0677	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	203.08	38.95
33 14 13 13-0678	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	316.49	57.08
33 14 13 13-0679	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	436.72	67.95
33 14 13 13-0680	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	566.97	75.80
33 14 13 13-0681	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	729.76	88.72
33 14 13 13-0682	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	957.00	99.93
33 14 13 13-0683	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,144.98	113.71
33 14 13 13-0684	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,097.63	159.36
33 14 13 13-0685	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,227.64	198.99
33 14 13 13-0686	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,368.55	265.32
33 14 13 13-0687		Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee (33 14 13 13-0598)		
33 14 13 13-0688	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	225.93	48.79
33 14 13 13-0689	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	247.97	55.01
33 14 13 13-0690	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	261.21	57.08
33 14 13 13-0691	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	364.37	72.36
33 14 13 13-0692	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	392.32	75.20
33 14 13 13-0693	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	417.92	84.26
33 14 13 13-0694	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	477.14	86.98
33 14 13 13-0695	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	517.77	96.03
33 14 13 13-0696	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	566.50	102.38
33 14 13 13-0697	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	621.25	93.90
33 14 13 13-0698	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	627.57	102.50
33 14 13 13-0699	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	677.64	108.54
33 14 13 13-0700	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	728.62	113.71
33 14 13 13-0701	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	741.22	105.09
33 14 13 13-0702	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	754.13	113.71
33 14 13 13-0703	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	812.62	119.73
33 14 13 13-0704	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	926.08	124.91
33 14 13 13-0705	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	932.90	130.94
33 14 13 13-0706	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,043.99	132.66
33 14 13 13-0707	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,125.32	138.69
33 14 13 13-0708	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,345.72	143.86
33 14 13 13-0709	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,418.62	149.89
33 14 13 13-0710	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,331.33	159.36
33 14 13 13-0711	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,249.25	159.36
33 14 13 13-0712	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,314.43	164.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0713 EA 16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,554.06	170.56
33 14 13 13-0714 EA 16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,471.34	175.73
33 14 13 13-0715 EA 16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,882.73	185.21
33 14 13 13-0716 EA 16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,729.15	198.99
33 14 13 13-0717 EA 18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,635.84	204.15
33 14 13 13-0718 EA 18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,720.77	209.32
33 14 13 13-0719 EA 18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,827.02	214.49
33 14 13 13-0720 EA 18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,925.75	220.52
33 14 13 13-0721 EA 18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,981.45	230.00
33 14 13 13-0722 EA 18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,115.07	242.92
33 14 13 13-0723 EA 18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,356.08	265.32
33 14 13 13-0724 EA 20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,929.01	292.02
33 14 13 13-0725 EA 20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,962.27	298.05
33 14 13 13-0726 EA 20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,136.41	303.22
33 14 13 13-0727 EA 20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,233.94	309.25
33 14 13 13-0728 EA 20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,261.41	318.72
33 14 13 13-0729 EA 20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,247.22	331.64
33 14 13 13-0730 EA 20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,814.47	354.04
33 14 13 13-0731 EA 20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,480.13	397.97
33 14 13 13-0732 EA 24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,362.97	379.88
33 14 13 13-0733 EA 24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,387.21	386.77
33 14 13 13-0734 EA 24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,429.17	391.08
33 14 13 13-0735 EA 24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,489.45	397.11
33 14 13 13-0736 EA 24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,793.89	406.59
33 14 13 13-0737 EA 24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,910.69	419.50
33 14 13 13-0738 EA 24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,520.00	441.91
33 14 13 13-0739 EA 24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,659.07	486.70
33 14 13 13-0740 EA 24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,494.53	530.63
33 14 13 13-0741 EA 30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,950.26	442.76
33 14 13 13-0742 EA 30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,783.44	448.79
33 14 13 13-0743 EA 30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,982.22	453.97
33 14 13 13-0744 EA 30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,181.89	459.99
33 14 13 13-0745 EA 30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,466.51	469.47
33 14 13 13-0746 EA 30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,776.15	624.52
33 14 13 13-0747 EA 30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,775.04	504.78
33 14 13 13-0748 EA 30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,806.57	548.72
33 14 13 13-0749 EA 30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,025.36	592.65
33 14 13 13-0750 EA 30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,929.55	624.52
33 14 13 13-0751 EA 36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,110.70	497.89
33 14 13 13-0752 EA 36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,555.20	503.06
33 14 13 13-0753 EA 36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,797.53	509.09
33 14 13 13-0754 EA 36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,973.40	518.56
33 14 13 13-0755 EA 36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,153.27	531.49
33 14 13 13-0756 EA 36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,497.02	553.88
33 14 13 13-0757 EA 36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,874.61	597.82
33 14 13 13-0758 EA 36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,492.32	641.75
33 14 13 13-0759 EA 36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,289.57	697.74
33 14 13 13-0760 EA 36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	8,334.87	697.74
33 14 13 13-0761 EA 42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	9,277.77	536.66
33 14 13 13-0762 EA 42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	9,463.25	545.28
33 14 13 13-0763 EA 42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	10,373.70	559.05
33 14 13 13-0764 EA 42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,778.46	581.45
33 14 13 13-0765 EA 42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,845.45	625.38
33 14 13 13-0766 EA 42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	9,923.56	669.32
33 14 13 13-0767 EA 42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	10,117.03	701.18
33 14 13 13-0768 EA 42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	12,416.79	725.31
33 14 13 13-0769 EA 42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	13,067.20	739.09
33 14 13 13-0770 EA 48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	10,782.28	579.73
33 14 13 13-0771 EA 48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	10,974.97	589.20
33 14 13 13-0772 EA 48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,248.56	602.99
33 14 13 13-0773 EA 48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,534.04	624.52
33 14 13 13-0774 EA 48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,854.56	669.32
33 14 13 13-0775 EA 48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,954.98	713.24
33 14 13 13-0776 EA 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	12,818.92	744.25
33 14 13 13-0777 EA 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	10,448.66	769.23
33 14 13 13-0778 EA 48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	12,954.35	783.02
33 14 13 13-0779 EA 48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	17,063.87	804.55

**33 14 13 13-0780 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint
Ductile Iron Wye (Laterals)** (33 14 13 13-0598)

33 14 13 13-0781 EA 3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	253.25	54.53
33 14 13 13-0782 EA 4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	274.28	54.53
33 14 13 13-0783 EA 4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	316.49	57.08
33 14 13 13-0784 EA 6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	356.56	72.36
33 14 13 13-0785 EA 6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	393.52	75.20
33 14 13 13-0786 EA 6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	474.99	84.26
33 14 13 13-0787 EA 8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	605.11	86.98
33 14 13 13-0788 EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	570.64	96.03
33 14 13 13-0789 EA 8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	636.79	102.38
33 14 13 13-0790 EA 10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	860.97	93.90



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0791 EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	900.33	102.50
33 14 13 13-0792 EA 10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,002.08	108.54
33 14 13 13-0793 EA 10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,090.30	113.71
33 14 13 13-0794 EA 12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,043.43	105.09
33 14 13 13-0795 EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,178.90	113.71
33 14 13 13-0796 EA 12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,383.38	119.73
33 14 13 13-0797 EA 12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,388.70	124.91
33 14 13 13-0798 EA 12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,293.37	130.94
33 14 13 13-0799 EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,519.83	132.66
33 14 13 13-0800 EA 14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,736.33	138.69
33 14 13 13-0801 EA 14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,258.34	143.86
33 14 13 13-0802 EA 14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,418.35	149.89
33 14 13 13-0803 EA 14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,366.51	159.36
33 14 13 13-0804 EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,598.40	159.36
33 14 13 13-0805 EA 16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,757.22	164.53
33 14 13 13-0806 EA 16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,066.54	170.56
33 14 13 13-0807 EA 16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,132.22	175.73
33 14 13 13-0808 EA 16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,616.31	185.21
33 14 13 13-0809 EA 16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,492.17	198.99
33 14 13 13-0810 EA 18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,248.65	204.15
33 14 13 13-0811 EA 18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,417.70	209.32
33 14 13 13-0812 EA 18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,581.02	214.49
33 14 13 13-0813 EA 18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,757.86	220.52
33 14 13 13-0814 EA 18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,791.33	230.00
33 14 13 13-0815 EA 18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,831.22	242.92
33 14 13 13-0816 EA 18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,600.01	265.32
33 14 13 13-0817 EA 20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,687.22	292.02
33 14 13 13-0818 EA 20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,745.72	298.05
33 14 13 13-0819 EA 20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,006.37	303.22
33 14 13 13-0820 EA 20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,264.91	309.25
33 14 13 13-0821 EA 20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,300.19	318.72
33 14 13 13-0822 EA 20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,343.08	331.64
33 14 13 13-0823 EA 20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,861.07	354.04
33 14 13 13-0824 EA 20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,682.93	397.97
33 14 13 13-0825 EA 24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,276.79	379.88
33 14 13 13-0826 EA 24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,319.65	385.92
33 14 13 13-0827 EA 24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,681.24	391.08
33 14 13 13-0828 EA 24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,847.86	397.11
33 14 13 13-0829 EA 24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,421.46	406.59
33 14 13 13-0830 EA 24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,899.94	419.50
33 14 13 13-0831 EA 24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,471.39	441.91
33 14 13 13-0832 EA 24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,011.80	486.70
33 14 13 13-0833 EA 24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,373.84	530.63
33 14 13 13-0834 EA 30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,628.62	442.76
33 14 13 13-0835 EA 30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,412.27	448.79
33 14 13 13-0836 EA 30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,834.55	453.97
33 14 13 13-0837 EA 30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,257.72	459.99
33 14 13 13-0838 EA 30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,858.36	469.47
33 14 13 13-0839 EA 30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,506.24	482.39
33 14 13 13-0840 EA 30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,750.26	504.78
33 14 13 13-0841 EA 30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,111.04	548.72
33 14 13 13-0842 EA 30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,601.38	592.65
33 14 13 13-0843 EA 30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	11,482.74	624.52
33 14 13 13-0844 EA 36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	12,528.63	509.09
33 14 13 13-0845 EA 36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	13,015.71	518.56
33 14 13 13-0846 EA 36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	13,502.59	531.49
33 14 13 13-0847 EA 36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	14,440.53	553.88
33 14 13 13-0848 EA 36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	15,415.31	597.82
33 14 13 13-0849 EA 36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	17,091.03	641.75
33 14 13 13-0850 EA 36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	19,127.73	673.63
33 14 13 13-0851 EA 36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	22,785.91	697.74
33 14 13 13-0852 EA 42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	20,054.78	625.38
33 14 13 13-0853 EA 42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	20,566.74	669.32
33 14 13 13-0854 EA 42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	21,963.60	701.18
33 14 13 13-0855 EA 42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	25,087.06	725.31
33 14 13 13-0856 EA 42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	29,543.54	739.09
33 14 13 13-0857 EA 48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	19,804.94	669.32
33 14 13 13-0858 EA 48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	22,413.11	713.24
33 14 13 13-0859 EA 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	23,881.45	744.25
33 14 13 13-0860 EA 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	27,191.76	769.23
33 14 13 13-0861 EA 48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	35,466.33	783.02
33 14 13 13-0862 EA 48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	38,916.17	804.55

33 14 13 13-0863 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee (33 14 13 13-0863)

33 14 13 13-0864 EA 6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	440.15	84.26
33 14 13 13-0865 EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	540.60	96.03

33 Utilities

33 10 Water Utilities

33 14 Water Utility Transmission and Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0866	EA		10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	747.73	102.50
33 14 13 13-0867	EA		12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	857.47	113.71
33 14 13 13-0868	EA		14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	1,120.29	132.66
33 14 13 13-0869	EA		16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	1,362.88	159.36
33 14 13 13-0870	EA		18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	1,620.82	204.15
33 14 13 13-0871	EA		20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	2,192.76	292.02
33 14 13 13-0872	EA		24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	2,575.12	379.88
33 14 13 13-0873	EA		30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	4,514.41	442.76

33 14 13 13-0874 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross ^(33 14 13 13-0598)

33 14 13 13-0875	EA		3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	260.19	65.06
33 14 13 13-0876	EA		4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	316.95	70.80
33 14 13 13-0877	EA		4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	383.30	71.57
33 14 13 13-0878	EA		6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	416.23	88.73
33 14 13 13-0879	EA		6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	480.81	96.03
33 14 13 13-0880	EA		6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	541.68	119.59
33 14 13 13-0881	EA		8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	513.03	105.10
33 14 13 13-0882	EA		8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	608.75	128.65
33 14 13 13-0883	EA		8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	610.35	137.72
33 14 13 13-0884	EA		10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	593.13	110.26
33 14 13 13-0885	EA		10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	672.05	132.66
33 14 13 13-0886	EA		10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	785.91	141.27
33 14 13 13-0887	EA		10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	850.38	151.61
33 14 13 13-0888	EA		12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	745.65	119.73
33 14 13 13-0889	EA		12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	866.02	142.13
33 14 13 13-0890	EA		12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	937.23	150.74
33 14 13 13-0891	EA		12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,082.21	161.08
33 14 13 13-0892	EA		12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,225.71	170.56
33 14 13 13-0893	EA		14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,252.23	155.92
33 14 13 13-0894	EA		14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,469.43	164.53
33 14 13 13-0895	EA		14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,509.87	175.73
33 14 13 13-0896	EA		14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,593.30	184.34
33 14 13 13-0897	EA		14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,761.42	198.99
33 14 13 13-0898	EA		16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,402.52	176.59
33 14 13 13-0899	EA		16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,592.09	184.34
33 14 13 13-0900	EA		16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,899.27	195.54
33 14 13 13-0901	EA		16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,113.68	205.02
33 14 13 13-0902	EA		16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,545.56	218.79
33 14 13 13-0903	EA		16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,664.60	238.61
33 14 13 13-0904	EA		18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,350.04	208.46
33 14 13 13-0905	EA		18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,483.73	217.07
33 14 13 13-0906	EA		18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,600.46	227.41
33 14 13 13-0907	EA		18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,817.27	236.89
33 14 13 13-0908	EA		18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	3,280.98	250.67
33 14 13 13-0909	EA		18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	3,493.15	270.48
33 14 13 13-0910	EA		18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	3,662.64	303.22
33 14 13 13-0911	EA		20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,954.36	261.86
33 14 13 13-0912	EA		20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	3,089.25	269.62
33 14 13 13-0913	EA		20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	3,184.96	280.82
33 14 13 13-0914	EA		20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	3,399.96	290.30
33 14 13 13-0915	EA		20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	3,462.34	304.08
33 14 13 13-0916	EA		20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	4,177.38	323.89
33 14 13 13-0917	EA		20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	4,346.87	355.76
33 14 13 13-0918	EA		20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	4,709.66	409.17
33 14 13 13-0919	EA		24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	4,021.04	327.34
33 14 13 13-0920	EA		24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	4,115.35	335.95
33 14 13 13-0921	EA		24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	4,271.48	346.29
33 14 13 13-0922	EA		24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	4,406.58	355.76
33 14 13 13-0923	EA		24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	4,488.18	369.54
33 14 13 13-0924	EA		24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	4,660.10	389.36
33 14 13 13-0925	EA		24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	6,139.32	422.09
33 14 13 13-0926	EA		24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	6,481.09	474.64
33 14 13 13-0927	EA		24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	7,145.24	540.10
33 14 13 13-0928	EA		30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	6,185.08	435.01
33 14 13 13-0929	EA		30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	6,309.01	445.35
33 14 13 13-0930	EA		30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	6,430.30	454.82
33 14 13 13-0931	EA		30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	6,575.59	468.61
33 14 13 13-0932	EA		30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	6,744.50	489.28
33 14 13 13-0933	EA		30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	6,947.03	521.15
33 14 13 13-0934	EA		30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	7,211.29	573.70
33 14 13 13-0935	EA		30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	9,221.85	640.03



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0936 EA 30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,605.72	739.09
33 14 13 13-0937 EA 36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,565.62	471.19
33 14 13 13-0938 EA 36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,688.37	481.52
33 14 13 13-0939 EA 36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,794.62	491.01
33 14 13 13-0940 EA 36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,923.08	505.65
33 14 13 13-0941 EA 36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,075.78	525.46
33 14 13 13-0942 EA 36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,262.09	557.33
33 14 13 13-0943 EA 36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,511.33	610.74
33 14 13 13-0944 EA 36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,932.17	676.20
33 14 13 13-0945 EA 36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,311.89	775.26
33 14 13 13-0946 EA 36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	14,606.79	812.31
33 14 13 13-0947 EA 42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	11,437.77	512.53
33 14 13 13-0948 EA 42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	11,678.58	526.32
33 14 13 13-0949 EA 42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	11,827.07	547.00
33 14 13 13-0950 EA 42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,036.20	578.86
33 14 13 13-0951 EA 42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,409.81	632.28
33 14 13 13-0952 EA 42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,165.89	697.74
33 14 13 13-0953 EA 42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	15,968.86	796.80
33 14 13 13-0954 EA 42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	20,755.60	832.99
33 14 13 13-0955 EA 42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	22,221.77	854.52
33 14 13 13-0956 EA 48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	15,417.38	596.96
33 14 13 13-0957 EA 48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	15,526.62	610.74
33 14 13 13-0958 EA 48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	15,673.32	630.55
33 14 13 13-0959 EA 48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	15,839.18	662.42
33 14 13 13-0960 EA 48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	16,066.81	715.83
33 14 13 13-0961 EA 48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	16,443.79	781.30
33 14 13 13-0962 EA 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	17,429.32	880.36
33 14 13 13-0963 EA 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	21,277.62	917.40
33 14 13 13-0964 EA 48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	27,240.78	938.93
33 14 13 13-0965 EA 48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	29,022.68	1,022.49
33 14 13 13-0966 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducers <small>(33 14 13 13-0598)</small>		
33 14 13 13-0967 EA 4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	176.79	35.39
33 14 13 13-0968 EA 6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	243.25	44.37
33 14 13 13-0969 EA 6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	266.23	47.11
33 14 13 13-0970 EA 8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	342.68	53.45
33 14 13 13-0971 EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	361.59	62.52
33 14 13 13-0972 EA 10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	412.44	55.99
33 14 13 13-0973 EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	436.16	64.61
33 14 13 13-0974 EA 10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	456.20	70.64
33 14 13 13-0975 EA 12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	474.51	62.02
33 14 13 13-0976 EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	526.48	70.64
33 14 13 13-0977 EA 12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	538.70	75.80
33 14 13 13-0978 EA 12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	564.45	81.83
33 14 13 13-0979 EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	800.28	80.11
33 14 13 13-0980 EA 14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	808.90	85.28
33 14 13 13-0981 EA 14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	716.89	91.31
33 14 13 13-0982 EA 14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	734.52	96.47
33 14 13 13-0983 EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	957.33	93.03
33 14 13 13-0984 EA 16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	935.30	99.06
33 14 13 13-0985 EA 16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	887.14	104.23
33 14 13 13-0986 EA 16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	881.94	109.40
33 14 13 13-0987 EA 16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	993.53	118.88
33 14 13 13-0988 EA 18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,056.15	120.60
33 14 13 13-0989 EA 18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,183.44	126.63
33 14 13 13-0990 EA 18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,139.18	131.79

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0991 EA 18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,349.30	141.27
33 14 13 13-0992 EA 18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,205.33	155.05
33 14 13 13-0993 EA 20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,409.72	165.39
33 14 13 13-0994 EA 20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,424.05	170.56
33 14 13 13-0995 EA 20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,310.10	176.59
33 14 13 13-0996 EA 20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,316.55	186.06
33 14 13 13-0997 EA 20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,298.15	198.99
33 14 13 13-0998 EA 20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,524.74	221.38
33 14 13 13-0999 EA 24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,785.42	220.52
33 14 13 13-1000 EA 24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,816.50	230.00
33 14 13 13-1001 EA 24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,855.78	242.92
33 14 13 13-1002 EA 24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,847.46	265.32
33 14 13 13-1003 EA 24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,133.75	309.25
33 14 13 13-1004 EA 30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,158.90	273.93
33 14 13 13-1005 EA 30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,301.39	296.33
33 14 13 13-1006 EA 30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,222.98	341.12
33 14 13 13-1007 EA 30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,805.52	385.05
33 14 13 13-1008 EA 36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,169.14	365.24
33 14 13 13-1009 EA 36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,928.92	409.17
33 14 13 13-1010 EA 36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,197.46	441.04
33 14 13 13-1011 EA 42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,993.13	312.69
33 14 13 13-1012 EA 42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,976.40	335.09
33 14 13 13-1013 EA 42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	6,024.76	379.02
33 14 13 13-1014 EA 42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	6,283.19	422.95
33 14 13 13-1015 EA 42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,217.96	454.82
33 14 13 13-1016 EA 42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,462.99	478.95
33 14 13 13-1017 EA 48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,507.19	334.23
33 14 13 13-1018 EA 48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,289.80	356.63
33 14 13 13-1019 EA 48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	6,971.07	400.55
33 14 13 13-1020 EA 48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,199.46	445.35
33 14 13 13-1021 EA 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	8,583.70	476.36
33 14 13 13-1022 EA 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,491.34	500.48
33 14 13 13-1023 EA 48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	8,211.45	514.27
33 14 13 13-1024 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps		
33 14 13 13-1025 EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	195.56	74.75
33 14 13 13-1026 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	233.81	87.88
33 14 13 13-1027 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	327.11	109.63
33 14 13 13-1028 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	421.14	125.03
33 14 13 13-1029 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	578.53	189.51
33 14 13 13-1030 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	703.76	206.74
33 14 13 13-1031 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	793.97	227.41
33 14 13 13-1032 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	947.00	252.39
33 14 13 13-1033 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	1,100.00	284.27
33 14 13 13-1034 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	1,312.32	324.75
33 14 13 13-1035 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	1,652.71	379.02
33 14 13 13-1036 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	2,812.96	454.82
33 14 13 13-1037 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	4,469.81	568.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1038 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	6,332.75	682.23
33 14 13 13-1039 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	7,497.19	758.04
33 14 13 13-1040 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug <small>(33 14 13 13-0598)</small>		
33 14 13 13-1041 EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	196.16	74.75
33 14 13 13-1042 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	239.82	87.88
33 14 13 13-1043 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	342.74	109.63
33 14 13 13-1044 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	436.76	125.03
33 14 13 13-1045 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	668.05	189.51
33 14 13 13-1046 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	724.19	206.74
33 14 13 13-1047 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	924.34	227.41
33 14 13 13-1048 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,097.80	252.39
33 14 13 13-1049 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,292.86	284.27
33 14 13 13-1050 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,573.07	324.75
33 14 13 13-1051 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	2,024.00	379.02
33 14 13 13-1052 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	3,326.04	454.82
33 14 13 13-1053 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	4,788.84	568.53
33 14 13 13-1054 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	6,373.00	682.23
33 14 13 13-1055 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	8,350.93	758.04
33 14 13 13-1056 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters <small>(33 14 13 13-0598)</small>		
33 14 13 13-1057 EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	276.08	113.61
33 14 13 13-1058 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	350.12	131.37
33 14 13 13-1059 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	468.44	164.89
33 14 13 13-1060 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	592.96	187.54
33 14 13 13-1061 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	880.11	284.27
33 14 13 13-1062 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,027.40	310.11
33 14 13 13-1063 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,291.87	341.12
33 14 13 13-1064 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,459.85	379.02
33 14 13 13-1065 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,858.47	426.40
33 14 13 13-1066 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	2,149.63	487.55
33 14 13 13-1067 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	2,585.11	568.53
33 14 13 13-1068 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	3,896.50	682.23
33 14 13 13-1069 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	5,239.98	852.79
33 14 13 13-1070 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	6,980.63	974.25
33 14 13 13-1071 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	8,616.40	1,137.06
33 14 13 13-1072 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves <small>(33 14 13 13-0598)</small>		
33 14 13 13-1073 EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	283.29	113.61
33 14 13 13-1074 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	341.11	131.37
33 14 13 13-1075 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	478.66	164.89
33 14 13 13-1076 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	620.60	187.54
33 14 13 13-1077 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	841.66	284.27
33 14 13 13-1078 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	991.35	310.11
33 14 13 13-1079 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	1,214.97	341.12
33 14 13 13-1080 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	1,418.99	379.02
33 14 13 13-1081 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	1,673.43	426.40
33 14 13 13-1082 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	1,941.15	487.55
33 14 13 13-1083 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	2,394.05	568.53
33 14 13 13-1084 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	3,797.37	682.23
33 14 13 13-1085 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	4,908.94	852.79
33 14 13 13-1086 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	6,280.81	973.39
33 14 13 13-1087 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	9,082.02	1,137.06
33 14 13 13-1088 Push-On Joint Ductile Iron Piping <small>(33 14 13 13-0001)</small>		
33 14 13 13-1089 Push-On Joint Ductile Iron Pipe <small>(33 14 13 13-1088)</small>		
Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-1090	LF	4", Class 50, Push-On Joint Ductile Iron Pipe.....	23.97	7.47
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	8.86	
			For Cement Mortar Lining (CML), Add	1.27	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	6.83	
			For Fusion Bonded Epoxy Lining (206N), Add	2.28	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	0.95	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-1.20	
			For Class 51, Add	1.23	
			For Class 52, Add	2.75	
			For Class 53, Add	7.20	
			For Class 54, Add	10.26	
			For Class 55, Add	11.82	
			For Class 56, Add	13.35	
33 14 13	13-1091	LF	6", Class 50, Push-On Joint Ductile Iron Pipe.....	26.30	8.24
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	9.72	
			For Cement Mortar Lining (CML), Add	1.39	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	7.50	
			For Fusion Bonded Epoxy Lining (206N), Add	2.50	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.04	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-1.32	
			For Class 51, Add	1.35	
			For Class 52, Add	3.02	
			For Class 53, Add	7.91	
			For Class 54, Add	11.27	
			For Class 55, Add	12.98	
			For Class 56, Add	14.66	
33 14 13	13-1092	LF	8", Class 50, Push-On Joint Ductile Iron Pipe.....	32.57	9.06
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	13.29	
			For Cement Mortar Lining (CML), Add	1.90	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	10.25	
			For Fusion Bonded Epoxy Lining (206N), Add	3.42	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.42	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-1.63	
			For Class 51, Add	1.81	
			For Class 52, Add	4.04	
			For Class 53, Add	10.68	
			For Class 54, Add	15.23	
			For Class 55, Add	17.52	
			For Class 56, Add	19.78	
33 14 13	13-1093	LF	10", Class 50, Push-On Joint Ductile Iron Pipe.....	46.16	12.84
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	16.07	
			For Cement Mortar Lining (CML), Add	2.68	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	13.39	
			For Fusion Bonded Epoxy Lining (206N), Add	4.82	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.01	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-2.31	
			For Class 51, Add	2.55	
			For Class 52, Add	5.71	
			For Class 53, Add	15.08	
			For Class 54, Add	21.49	
			For Class 55, Add	24.74	
			For Class 56, Add	27.93	
33 14 13	13-1094	LF	12", Class 50, Push-On Joint Ductile Iron Pipe.....	53.46	14.22
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	15.96	
			For Cement Mortar Lining (CML), Add	3.19	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	12.77	
			For Fusion Bonded Epoxy Lining (206N), Add	5.75	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.39	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-2.67	
			For Class 51, Add	3.02	
			For Class 52, Add	6.77	
			For Class 53, Add	17.91	
			For Class 54, Add	25.54	
			For Class 55, Add	29.39	
			For Class 56, Add	33.17	



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Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1095 LF 14", Class 50, Push-On Joint Ductile Iron Pipe.....	64.89	16.03
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	17.90	
For Cement Mortar Lining (CML), Add	4.07	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	13.83	
For Fusion Bonded Epoxy Lining (206N), Add	7.32	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.05	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-3.24	
For Class 51, Add	3.81	
For Class 52, Add	8.54	
For Class 53, Add	22.71	
For Class 54, Add	32.39	
For Class 55, Add	37.26	
For Class 56, Add	42.04	
33 14 13 13-1096 LF 16", Class 50, Push-On Joint Ductile Iron Pipe.....	76.79	18.26
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	20.14	
For Cement Mortar Lining (CML), Add	4.91	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	15.23	
For Fusion Bonded Epoxy Lining (206N), Add	8.84	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.68	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-3.84	
For Class 51, Add	4.59	
For Class 52, Add	10.28	
For Class 53, Add	27.37	
For Class 54, Add	39.04	
For Class 55, Add	44.89	
For Class 56, Add	50.64	
33 14 13 13-1097 LF 18", Class 50, Push-On Joint Ductile Iron Pipe.....	89.36	21.36
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	23.39	
For Cement Mortar Lining (CML), Add	5.71	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	17.69	
For Fusion Bonded Epoxy Lining (206N), Add	10.27	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.28	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-4.47	
For Class 51, Add	5.33	
For Class 52, Add	11.94	
For Class 53, Add	31.79	
For Class 54, Add	45.35	
For Class 55, Add	52.15	
For Class 56, Add	58.83	
33 14 13 13-1098 LF 20", Class 50, Push-On Joint Ductile Iron Pipe.....	103.30	25.58
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	24.53	
For Cement Mortar Lining (CML), Add	6.45	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	18.07	
For Fusion Bonded Epoxy Lining (206N), Add	11.62	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.84	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-5.17	
For Class 51, Add	6.05	
For Class 52, Add	13.56	
For Class 53, Add	36.04	
For Class 54, Add	51.40	
For Class 55, Add	59.12	
For Class 56, Add	66.70	
33 14 13 13-1099 LF 24", Class 50, Push-On Joint Ductile Iron Pipe.....	130.61	31.95
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	25.46	
For Cement Mortar Lining (CML), Add	8.21	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	17.25	
For Fusion Bonded Epoxy Lining (206N), Add	14.78	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.16	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-6.53	
For Class 51, Add	7.69	
For Class 52, Add	17.23	
For Class 53, Add	45.83	
For Class 54, Add	65.36	
For Class 55, Add	75.17	
For Class 56, Add	84.81	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1100 LF 30", Class 50, Push-On Joint Ductile Iron Pipe.....	153.89	34.11
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	31.69	
For Cement Mortar Lining (CML), Add	10.22	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	18.40	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.67	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-7.69	
For Class 51, Add	9.47	
For Class 52, Add	21.23	
For Class 53, Add	56.71	
For Class 54, Add	80.92	
For Class 55, Add	93.02	
For Class 56, Add	104.91	
33 14 13 13-1101 LF 36", Class 50, Push-On Joint Ductile Iron Pipe.....	189.52	36.26
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	41.71	
For Cement Mortar Lining (CML), Add	13.46	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	24.22	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.09	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-9.48	
For Class 51, Add	12.30	
For Class 52, Add	27.63	
For Class 53, Add	74.17	
For Class 54, Add	105.87	
For Class 55, Add	121.65	
For Class 56, Add	137.13	
33 14 13 13-1102 LF 42", Class 50, Push-On Joint Ductile Iron Pipe.....	229.72	38.42
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	53.19	
For Cement Mortar Lining (CML), Add	17.16	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	30.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.87	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-11.49	
For Class 51, Add	15.53	
For Class 52, Add	34.93	
For Class 53, Add	94.13	
For Class 54, Add	134.41	
For Class 55, Add	154.37	
For Class 56, Add	173.97	
33 14 13 13-1103 LF 48", Class 50, Push-On Joint Ductile Iron Pipe.....	275.32	40.48
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	66.31	
For Cement Mortar Lining (CML), Add	21.39	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	38.50	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.04	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-13.77	
For Class 51, Add	19.23	
For Class 52, Add	43.27	
For Class 53, Add	116.93	
For Class 54, Add	167.00	
For Class 55, Add	191.75	
For Class 56, Add	216.05	
33 14 13 13-1104 LF 54", Class 50, Push-On Joint Ductile Iron Pipe.....	347.16	42.64
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	87.59	
For Cement Mortar Lining (CML), Add	28.26	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	50.86	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	21.19	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-17.36	
For Class 51, Add	25.19	
For Class 52, Add	56.74	
For Class 53, Add	153.84	
For Class 54, Add	219.78	
For Class 55, Add	252.26	
For Class 56, Add	284.15	
33 14 13 13-1105 Push-On Joint Ductile Iron 90 Degree Elbow (33 14 13 13-1088)		
33 14 13 13-1106 EA 4" 90 Degree Elbow, Push-On Joint Ductile Iron	153.03	29.17
For Cement Mortar Lining (CML), Add	10.88	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	19.59	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.16	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1107 EA 6" 90 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	222.10 15.69 28.23 11.76	43.03
33 14 13 13-1108 EA 8" 90 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	295.06 21.76 39.17 16.32	51.10
33 14 13 13-1109 EA 10" 90 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	446.17 32.89 59.21 24.67	56.68
33 14 13 13-1110 EA 12" 90 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	572.64 43.52 78.34 32.64	66.50
33 14 13 13-1111 EA 14" 90 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,108.68 95.45 171.80 71.58	74.59
33 14 13 13-1112 EA 16" 90 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,253.72 107.75 193.95 80.81	85.28
33 14 13 13-1113 EA 18" 90 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,947.10 170.04 306.08 127.53	119.39
33 14 13 13-1114 EA 20" 90 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,195.04 189.41 340.94 142.06	150.49
33 14 13 13-1115 EA 24" 90 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,740.93 236.48 425.66 177.36	188.13
33 14 13 13-1116 Push-On Joint Ductile Iron 45 Degree Elbow (33 14 13 13-1088)		
33 14 13 13-1117 EA 4" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	128.28 8.41 15.13 6.31	29.17
33 14 13 13-1118 EA 6" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	188.83 12.36 22.25 9.27	43.03
33 14 13 13-1119 EA 8" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	259.26 18.18 32.72 13.63	51.10

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1120 EA 10" 45 Degree Elbow, Push-On Joint Ductile Iron	396.74	56.68
For Cement Mortar Lining (CML), Add	27.95	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	50.31	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	20.96	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1121 EA 12" 45 Degree Elbow, Push-On Joint Ductile Iron	509.66	66.50
For Cement Mortar Lining (CML), Add	37.22	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	67.00	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	27.92	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1122 EA 14" 45 Degree Elbow, Push-On Joint Ductile Iron	715.42	74.59
For Cement Mortar Lining (CML), Add	56.12	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	101.01	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	42.09	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1123 EA 16" 45 Degree Elbow, Push-On Joint Ductile Iron	1,047.80	85.28
For Cement Mortar Lining (CML), Add	87.16	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	156.89	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	65.37	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1124 EA 18" 45 Degree Elbow, Push-On Joint Ductile Iron	1,214.55	119.39
For Cement Mortar Lining (CML), Add	96.79	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	174.22	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	72.59	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1125 EA 20" 45 Degree Elbow, Push-On Joint Ductile Iron	1,693.50	150.49
For Cement Mortar Lining (CML), Add	139.26	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	250.66	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	104.44	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1126 EA 24" 45 Degree Elbow, Push-On Joint Ductile Iron	2,102.14	188.13
For Cement Mortar Lining (CML), Add	172.60	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	310.67	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	129.45	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1127 Push-On Joint Ductile Iron Tee (33 14 13 13-1068)		
33 14 13 13-1128 EA 4" Tee, Push-On Joint Ductile Iron	233.50	43.03
For Cement Mortar Lining (CML), Add	16.83	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	30.29	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.62	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1129 EA 6" Tee, Push-On Joint Ductile Iron	326.09	63.24
For Cement Mortar Lining (CML), Add	23.02	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	41.44	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.27	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1130 EA 8" Tee, Push-On Joint Ductile Iron	442.65	76.65
For Cement Mortar Lining (CML), Add	32.64	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	58.75	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.48	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1131 EA 10" Tee, Push-On Joint Ductile Iron	642.84	86.14
For Cement Mortar Lining (CML), Add	51.36	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	92.45	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	38.52	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1132 EA 12" Tee, Push-On Joint Ductile Iron	798.46	99.32
For Cement Mortar Lining (CML), Add	64.77	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	116.59	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	48.58	
Note: ANSI/AWWA C151/A21.51		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 14 13	13-1133	EA	14" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,273.49 109.26 196.67 81.94	119.39
	33 14 13	13-1134	EA	16" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,833.61 160.75 289.35 120.56	149.29
	33 14 13	13-1135	EA	18" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,308.19 200.64 361.16 150.48	199.16
	33 14 13	13-1136	EA	20" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,722.54 235.44 423.79 176.58	243.00
	33 14 13	13-1137	EA	24" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,561.42 310.13 558.23 232.59	303.74
	33 14 13	13-1138		Flanged End x Push-On Joint Ductile Iron Adapters (33 14 13 13-1088)		
	33 14 13	13-1139	EA	4" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	230.25 7.69 13.85 5.77	101.20
	33 14 13	13-1140	EA	6" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	283.08 9.33 16.79 6.99	125.30
	33 14 13	13-1141	EA	8" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	355.50 13.40 24.13 10.05	146.14
	33 14 13	13-1142	EA	10" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	497.87 17.48 31.47 13.11	213.19
	33 14 13	13-1143	EA	12" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	590.64 22.15 39.86 16.61	243.69
	33 14 13	13-1144	EA	14" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	665.66 26.81 48.26 20.11	262.39
	33 14 13	13-1145	EA	16" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	768.73 33.80 60.84 25.35	284.27

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1146 EA 18" Flanged End x Push-On Joint Adapter, Ductile Iron	913.14	341.12
For Cement Mortar Lining (CML), Add	39.63	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	71.33	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	29.72	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1147 EA 20" Flanged End x Push-On Joint Adapter, Ductile Iron	1,046.34	379.02
For Cement Mortar Lining (CML), Add	47.21	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	84.97	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	35.41	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1148 EA 24" Flanged End x Push-On Joint Adapter, Ductile Iron	1,280.39	437.34
For Cement Mortar Lining (CML), Add	61.78	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	111.20	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	46.33	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1149 EA 30" Flanged End x Push-On Joint Adapter, Ductile Iron	1,903.87	524.77
For Cement Mortar Lining (CML), Add	110.87	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	199.57	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	83.15	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1150 EA 36" Flanged End x Push-On Joint Adapter, Ductile Iron	2,575.89	655.97
For Cement Mortar Lining (CML), Add	158.20	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	284.75	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	118.65	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1151 EA 42" Flanged End x Push-On Joint Adapter, Ductile Iron	3,196.97	758.04
For Cement Mortar Lining (CML), Add	204.84	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	368.72	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	153.63	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1152 EA 48" Flanged End x Push-On Joint Adapter, Ductile Iron	4,086.25	974.60
For Cement Mortar Lining (CML), Add	260.96	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	469.72	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	195.72	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1153 EA 54" Flanged End x Push-On Joint Adapter, Ductile Iron	4,925.89	1,137.32
For Cement Mortar Lining (CML), Add	320.26	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	576.47	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	240.20	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1154 Push-On Joint Ductile Iron Pipe And Fitting Restraints <small>(33 14 13 13-1088)</small>		
Note: Includes ductile iron follower gland, restraint ring and all nuts and bolts. Excludes pipe and fitting.		
33 14 13 13-1155 EA 4" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	33.08	15.76
33 14 13 13-1156 EA 6" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	43.92	20.56
33 14 13 13-1157 EA 8" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	57.51	21.08
33 14 13 13-1158 EA 10" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	66.95	22.38
33 14 13 13-1159 EA 12" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	78.88	24.87
33 14 13 13-1160 EA 14" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	98.12	27.97
33 14 13 13-1161 EA 16" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	115.31	31.98
33 14 13 13-1162 EA 18" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	129.39	34.65
33 14 13 13-1163 EA 20" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	151.37	41.57
33 14 13 13-1164 EA 24" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	179.05	43.18
33 14 13 13-1165 EA 30" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	226.58	47.97
33 14 13 13-1166 EA 36" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	291.28	51.96
33 14 13 13-1167 EA 42" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	356.66	56.86
33 14 13 13-1168 EA 48" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	419.55	63.96
33 14 13 13-1169 EA 54" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	571.96	69.36
33 14 13 13-1170 Push-On Joint Ductile Iron Bell Restraint Harness (MEGALUG® 1700 Series) <small>(33 14 13 13-1088)</small>		
33 14 13 13-1171 EA 4" Bell Restraint Harness, Ductile Iron (MEGALUG® 170400)	175.04	58.14
33 14 13 13-1172 EA 6" Bell Restraint Harness, Ductile Iron (MEGALUG® 170600)	229.69	70.98
33 14 13 13-1173 EA 8" Bell Restraint Harness, Ductile Iron (MEGALUG® 170800)	294.77	86.57
33 14 13 13-1174 EA 10" Bell Restraint Harness, Ductile Iron (MEGALUG® 17100)	439.27	105.60
33 14 13 13-1175 EA 12" Bell Restraint Harness, Ductile Iron (MEGALUG® 171200)	544.42	128.78



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1176 EA 14" Bell Restraint Harness, Ductile Iron (MEGALUG® 171400).....	925.54	157.12
33 14 13 13-1177 EA 16" Bell Restraint Harness, Ductile Iron (MEGALUG® 171600).....	1,059.15	191.75
33 14 13 13-1178 EA 18" Bell Restraint Harness, Ductile Iron (MEGALUG® 171800).....	1,205.65	233.88
33 14 13 13-1179 EA 20" Bell Restraint Harness, Ductile Iron (MEGALUG® 172000).....	1,632.28	285.39
33 14 13 13-1180 EA 24" Bell Restraint Harness, Ductile Iron (MEGALUG® 172400).....	2,078.77	348.10
33 14 13 13-1181 EA 30" Bell Restraint Harness, Ductile Iron (MEGALUG® 173000).....	3,552.53	424.76
33 14 13 13-1182 EA 36" Bell Restraint Harness, Ductile Iron (MEGALUG® 173600).....	5,023.61	518.14
33 14 13 13-1183 EA 42" Bell Restraint Harness, Ductile Iron (MEGALUG® 174200).....	9,063.34	632.19
33 14 13 13-1184 EA 48" Bell Restraint Harness, Ductile Iron (MEGALUG® 174800).....	11,715.81	771.22
33 14 13 13-1185 Ductile Iron Pipe Repair (33 14 13 13-0001)		
See CSI section 33 14 13 13-0002 for mechanical joint fittings.		
33 14 13 13-1186 Ductile Iron Pipe Repair (33 14 13 13-1185)		
Note: Includes two transition sleeves, mechanical joint ductile iron sleeve and 16' of ductile iron pipe.		
33 14 13 13-1187 EA 30" Diameter Mechanical Ductile Iron Push Joint.....	2,386.94	
33 14 13 13-1188 EA 36" Diameter Mechanical Ductile Iron Push Joint.....	3,018.87	
33 14 13 13-1189 EA 42" Diameter Mechanical Ductile Iron Push Joint.....	3,796.68	
33 14 13 13-1190 EA 48" Diameter Mechanical Ductile Iron Push Joint.....	4,759.44	
33 14 13 13-1191 EA 54" Diameter Mechanical Ductile Iron Push Joint.....	6,866.38	
33 14 13 13-1192 WEKO Seals (33 14 13 13-1185)		
Note: Internal joint seal.		
33 14 13 13-1193 EA 16" WEKO Internal Joint Seal.....	1,296.33	161.02
<i>For Extra Wide Seals, Add</i>		
	<i>82.20</i>	
33 14 13 13-1194 EA 18" WEKO Internal Joint Seal.....	1,380.69	170.02
<i>For Extra Wide Seals, Add</i>		
	<i>82.89</i>	
33 14 13 13-1195 EA 20" WEKO Internal Joint Seal.....	1,464.92	179.03
<i>For Extra Wide Seals, Add</i>		
	<i>83.56</i>	
33 14 13 13-1196 EA 24" WEKO Internal Joint Seal.....	1,552.94	193.36
<i>For Extra Wide Seals, Add</i>		
	<i>84.65</i>	
33 14 13 13-1197 EA 30" WEKO Internal Joint Seal.....	1,605.10	207.68
<i>For Extra Wide Seals, Add</i>		
	<i>85.73</i>	
33 14 13 13-1198 EA 36" WEKO Internal Joint Seal.....	1,685.98	225.58
<i>For Extra Wide Seals, Add</i>		
	<i>87.09</i>	
33 14 13 13-1199 EA 42" WEKO Internal Joint Seal.....	1,799.19	247.06
<i>For Extra Wide Seals, Add</i>		
	<i>88.72</i>	
33 14 13 13-1200 EA 48" WEKO Internal Joint Seal.....	1,942.82	264.96
<i>For Extra Wide Seals, Add</i>		
	<i>90.07</i>	
33 14 13 13-1201 EA 54" WEKO Internal Joint Seal.....	2,016.49	279.29
<i>For Extra Wide Seals, Add</i>		
	<i>91.16</i>	
33 14 13 13-1202 EA 60" WEKO Internal Joint Seal.....	2,104.62	300.77
<i>For Extra Wide Seals, Add</i>		
	<i>92.79</i>	
33 14 13 23 Plastic Public Water Utility Distribution Piping (33 14 13)		
33 14 13 23-0001 AWWA C900/C905 Polyvinyl Chloride (PVC) Pipe (33 14 13 23)		
Note: Includes hub on one end of pipe. C900 is available in blue, white, purple or green.		
33 14 13 23-0002 AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0003 LF 4" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe.....	7.97	2.93
33 14 13 23-0004 LF 6" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe.....	11.40	3.56
33 14 13 23-0005 LF 8" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe.....	15.38	4.00
33 14 13 23-0006 LF 10" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe.....	20.03	4.44
33 14 13 23-0007 LF 12" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe.....	25.71	4.98
33 14 13 23-0008 AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0009 LF 4" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe.....	8.72	2.93
33 14 13 23-0010 LF 6" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe.....	12.96	3.56
33 14 13 23-0011 LF 8" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe.....	18.01	4.00
33 14 13 23-0012 LF 10" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe.....	24.12	4.44
33 14 13 23-0013 LF 12" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe.....	31.42	4.98
33 14 13 23-0014 AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0015 LF 4" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe.....	9.47	2.93
33 14 13 23-0016 LF 6" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe.....	14.51	3.56
33 14 13 23-0017 LF 8" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe.....	20.64	4.00
33 14 13 23-0018 LF 10" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe.....	28.12	4.44
33 14 13 23-0019 LF 12" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe.....	37.13	4.98
33 14 13 23-0020 AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0021 LF 18" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe.....	32.50	7.47
33 14 13 23-0022 LF 20" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe.....	39.44	8.90
33 14 13 23-0023 LF 24" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe.....	51.91	10.67
33 14 13 23-0024 LF 30" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe.....	72.68	12.46
33 14 13 23-0025 LF 36" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe.....	98.03	14.23

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0026 LF 42" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	121.92	15.13
33 14 13 23-0027 LF 48" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	152.13	16.28
33 14 13 23-0028 AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0029 LF 14" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	24.02	5.61
33 14 13 23-0030 LF 16" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	29.55	6.23
33 14 13 23-0031 LF 18" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	36.45	7.47
33 14 13 23-0032 LF 20" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	44.57	8.90
33 14 13 23-0033 LF 24" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	59.83	10.67
33 14 13 23-0034 LF 30" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	84.04	12.46
33 14 13 23-0035 LF 36" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	113.24	14.23
33 14 13 23-0036 LF 42" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	147.22	15.13
33 14 13 23-0037 LF 48" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	184.96	16.28
33 14 13 23-0038 AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0039 LF 14" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	27.06	5.61
33 14 13 23-0040 LF 16" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	33.77	6.23
33 14 13 23-0041 LF 18" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	41.70	7.47
33 14 13 23-0042 LF 20" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	51.38	8.90
33 14 13 23-0043 LF 24" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	69.61	10.67
33 14 13 23-0044 LF 30" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	98.73	12.46
33 14 13 23-0045 LF 36" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	134.67	14.23
33 14 13 23-0046 LF 42" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	172.61	15.13
33 14 13 23-0047 LF 48" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	218.09	16.28
33 14 13 23-0048 AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0049 LF 14" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	32.26	5.61
33 14 13 23-0050 LF 16" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	39.95	6.23
33 14 13 23-0051 LF 18" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	49.65	7.47
33 14 13 23-0052 LF 20" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	60.99	8.90
33 14 13 23-0053 LF 24" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	83.46	10.67
33 14 13 23-0054 LF 30" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	120.46	12.46
33 14 13 23-0055 LF 36" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	168.10	14.23
33 14 13 23-0056 LF 42" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	221.63	15.13
33 14 13 23-0057 LF 48" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	283.88	16.28
33 14 13 23-0058 AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0059 LF 14" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	36.18	5.61
33 14 13 23-0060 LF 16" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	45.04	6.23
33 14 13 23-0061 LF 18" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	56.07	7.47
33 14 13 23-0062 LF 20" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	68.98	8.90
33 14 13 23-0063 LF 24" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	94.95	10.67
33 14 13 23-0064 LF 30" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	138.14	12.46
33 14 13 23-0065 LF 36" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	193.93	14.23
33 14 13 23-0066 LF 42" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	257.04	15.13
33 14 13 23-0067 AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0068 LF 14" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	39.98	5.61
33 14 13 23-0069 LF 16" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	49.99	6.23
33 14 13 23-0070 LF 18" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	62.31	7.47
33 14 13 23-0071 LF 20" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	76.76	8.90
33 14 13 23-0072 LF 24" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	106.13	10.67
33 14 13 23-0073 LF 30" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	155.35	12.46
33 14 13 23-0074 LF 36" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	219.06	14.23
33 14 13 23-0075 AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) Fittings (33 14 13 23)		
Note: Includes rubber gaskets.		
33 14 13 23-0076 90 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) (33 14 13 23-0075)		
33 14 13 23-0077 EA 4" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	177.65	10.12
For DR 25, Deduct	-9.44	
33 14 13 23-0078 EA 6" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	366.37	11.39
For DR 25, Deduct	-20.62	
33 14 13 23-0079 EA 8" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	551.60	12.65
For DR 25, Deduct	-31.58	
33 14 13 23-0080 EA 10" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	842.39	20.22
For DR 25, Deduct	-48.12	
33 14 13 23-0081 EA 12" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	942.23	33.70
For DR 25, Deduct	-52.49	
33 14 13 23-0082 EA 14" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,645.64	42.13
For DR 25, Deduct	-93.68	
33 14 13 23-0083 EA 16" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,963.77	50.56
For DR 25, Deduct	-111.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0084 EA 18° 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,375.05	67.40
For DR 25, Deduct	-194.41	
33 14 13 23-0085 EA 20° 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,154.47	84.26
For DR 25, Deduct	-239.16	
33 14 13 23-0086 EA 24° 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	6,903.48	113.75
For DR 25, Deduct	-400.56	
33 14 13 23-0087 45 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0088 EA 4° 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	157.10	10.12
For DR 25, Deduct	-8.21	
33 14 13 23-0089 EA 6° 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	273.16	11.39
For DR 25, Deduct	-15.02	
33 14 13 23-0090 EA 8° 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	346.66	12.65
For DR 25, Deduct	-19.28	
33 14 13 23-0091 EA 10° 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	489.95	20.22
For DR 25, Deduct	-26.97	
33 14 13 23-0092 EA 12° 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	653.25	33.70
For DR 25, Deduct	-35.15	
33 14 13 23-0093 EA 14° 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,262.02	42.13
For DR 25, Deduct	-70.66	
33 14 13 23-0094 EA 16° 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,600.35	50.56
For DR 25, Deduct	-89.95	
33 14 13 23-0095 EA 18° 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,767.43	67.40
For DR 25, Deduct	-157.96	
33 14 13 23-0096 EA 20° 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,437.14	84.26
For DR 25, Deduct	-196.12	
33 14 13 23-0097 EA 24° 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,851.89	113.75
For DR 25, Deduct	-277.46	
33 14 13 23-0098 22-1/2 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0099 EA 4° 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	154.59	10.12
For DR 25, Deduct	-8.06	
33 14 13 23-0100 EA 6° 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	273.16	11.39
For DR 25, Deduct	-15.02	
33 14 13 23-0101 EA 8° 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	346.66	12.65
For DR 25, Deduct	-19.28	
33 14 13 23-0102 EA 10° 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	489.96	20.22
For DR 25, Deduct	-26.97	
33 14 13 23-0103 EA 12° 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	653.25	33.70
For DR 25, Deduct	-35.15	
33 14 13 23-0104 EA 14° 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,258.63	40.44
For DR 25, Deduct	-70.66	
33 14 13 23-0105 EA 16° 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,600.34	50.56
For DR 25, Deduct	-89.95	
33 14 13 23-0106 EA 18° 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,767.43	67.40
For DR 25, Deduct	-157.96	
33 14 13 23-0107 EA 20° 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,437.14	84.26
For DR 25, Deduct	-196.12	
33 14 13 23-0108 EA 24° 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,851.89	113.75
For DR 25, Deduct	-277.46	
33 14 13 23-0109 11-1/4 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0110 EA 4° 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	136.19	10.12
For DR 25, Deduct	-6.96	
33 14 13 23-0111 EA 6° 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	273.16	11.39
For DR 25, Deduct	-15.02	
33 14 13 23-0112 EA 8° 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	346.66	12.65
For DR 25, Deduct	-19.28	
33 14 13 23-0113 EA 10° 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	489.96	20.22
For DR 25, Deduct	-26.97	
33 14 13 23-0114 EA 12° 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	653.25	33.70
For DR 25, Deduct	-35.15	
33 14 13 23-0115 EA 14° 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,258.63	40.44
For DR 25, Deduct	-70.66	
33 14 13 23-0116 EA 16° 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,600.34	50.56
For DR 25, Deduct	-89.95	
33 14 13 23-0117 EA 18° 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,767.43	67.40
For DR 25, Deduct	-157.96	
33 14 13 23-0118 EA 20° 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,437.14	84.26
For DR 25, Deduct	-196.12	
33 14 13 23-0119 EA 24° 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,851.89	113.75
For DR 25, Deduct	-277.46	
33 14 13 23-0120 Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0121 EA 4" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	211.31	11.39
For DR 25, Deduct	-11.31	
33 14 13 23-0122 EA 6" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	410.76	12.65
For DR 25, Deduct	-23.13	
33 14 13 23-0123 EA 8" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	574.13	14.34
For DR 25, Deduct	-32.73	
33 14 13 23-0124 EA 10" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,185.35	25.28
For DR 25, Deduct	-68.09	
33 14 13 23-0125 EA 12" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,441.50	50.56
For DR 25, Deduct	-80.43	
33 14 13 23-0126 EA 14" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,610.92	63.19
For DR 25, Deduct	-149.07	
33 14 13 23-0127 EA 16" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,234.52	75.84
For DR 25, Deduct	-184.97	
33 14 13 23-0128 EA 18" Tee, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,079.76	101.11
For DR 25, Deduct	-232.65	
33 14 13 23-0129 EA 20" Tee, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,897.95	126.39
For DR 25, Deduct	-278.71	
33 14 13 23-0130 EA 24" Tee, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	6,743.25	85.94
For DR 25, Deduct	-394.28	
33 14 13 23-0131 Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0132 EA 6" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	407.91	16.44
For DR 25, Deduct	-22.50	
33 14 13 23-0133 EA 8" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	556.16	17.71
For DR 25, Deduct	-31.25	
33 14 13 23-0134 EA 8" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	570.03	18.34
For DR 25, Deduct	-32.00	
33 14 13 23-0135 EA 10" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	5,716.30	25.28
For DR 25, Deduct	-339.94	
33 14 13 23-0136 EA 10" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,003.99	25.91
For DR 25, Deduct	-57.13	
33 14 13 23-0137 EA 10" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,074.36	26.54
For DR 25, Deduct	-61.28	
33 14 13 23-0138 EA 12" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,136.17	38.75
For DR 25, Deduct	-63.52	
33 14 13 23-0139 EA 12" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,305.58	39.39
For DR 25, Deduct	-73.61	
33 14 13 23-0140 EA 12" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,385.55	40.02
For DR 25, Deduct	-78.33	
33 14 13 23-0141 EA 12" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,410.84	43.82
For DR 25, Deduct	-79.39	
33 14 13 23-0142 EA 14" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,148.26	45.50
For DR 25, Deduct	-123.44	
33 14 13 23-0143 EA 14" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,234.99	46.13
For DR 25, Deduct	-128.56	
33 14 13 23-0144 EA 14" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,321.93	46.76
For DR 25, Deduct	-133.70	
33 14 13 23-0145 EA 14" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,414.70	50.56
For DR 25, Deduct	-138.82	
33 14 13 23-0146 EA 14" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,513.70	57.30
For DR 25, Deduct	-143.95	
33 14 13 23-0147 EA 16" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,681.27	55.61
For DR 25, Deduct	-154.20	
33 14 13 23-0148 EA 16" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,766.71	55.61
For DR 25, Deduct	-159.33	
33 14 13 23-0149 EA 16" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,853.46	56.24
For DR 25, Deduct	-164.46	
33 14 13 23-0150 EA 16" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,940.19	56.88
For DR 25, Deduct	-169.59	
33 14 13 23-0151 EA 16" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,046.69	67.40
For DR 25, Deduct	-174.71	
33 14 13 23-0152 EA 16" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,138.90	70.78
For DR 25, Deduct	-179.84	
33 14 13 23-0153 EA 18" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,312.60	72.47
For DR 25, Deduct	-190.06	
33 14 13 23-0154 EA 18" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,399.94	73.09
For DR 25, Deduct	-195.23	
33 14 13 23-0155 EA 18" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,486.67	73.72
For DR 25, Deduct	-200.35	
33 14 13 23-0156 EA 18" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,579.72	77.52
For DR 25, Deduct	-205.48	
33 14 13 23-0157 EA 18" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,678.63	84.26
For DR 25, Deduct	-210.61	
33 14 13 23-0158 EA 18" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,770.24	87.63
For DR 25, Deduct	-215.70	
33 14 13 23-0159 EA 18" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,886.48	92.68
For DR 25, Deduct	-222.07	
33 14 13 23-0160 EA 20" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,202.11	89.31
For DR 25, Deduct	-241.41	
33 14 13 23-0161 EA 20" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,349.30	89.95
For DR 25, Deduct	-250.16	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 14	13 23-0162	EA	20" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,407.15 -253.56	90.58
	33 14	13 23-0163	EA	20" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,471.38 -256.96	94.37
	33 14	13 23-0164	EA	20" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,541.46 -260.35	101.11
	33 14	13 23-0165	EA	20" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,639.96 -265.86	104.48
	33 14	13 23-0166	EA	20" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,741.84 -271.37	109.54
	33 14	13 23-0167	EA	20" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,819.90 -275.04	117.96
	33 14	13 23-0168	EA	24" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,943.98 -282.38	118.80
	33 14	13 23-0169	EA	24" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	5,006.47 -286.06	119.44
	33 14	13 23-0170	EA	24" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	5,068.96 -289.73	120.07
	33 14	13 23-0171	EA	24" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	5,325.46 -304.66	123.87
	33 14	13 23-0172	EA	24" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	5,587.87 -319.60	130.60
	33 14	13 23-0173	EA	24" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	5,843.55 -334.54	133.97
	33 14	13 23-0174	EA	24" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	6,102.59 -349.47	139.03
	33 14	13 23-0175	EA	24" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	6,368.39 -364.41	147.45
	33 14	13 23-0176	EA	24" x 20" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	6,634.17 -379.34	155.88
33 14	13 23-0177	Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>				
	33 14	13 23-0178	EA	4" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	291.88 -15.08	20.23
	33 14	13 23-0179	EA	6" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	528.02 -28.95	22.76
	33 14	13 23-0180	EA	8" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	732.75 -40.93	25.29
	33 14	13 23-0181	EA	10" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,498.78 -85.07	40.44
	33 14	13 23-0182	EA	12" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,776.93 -100.55	50.56
	33 14	13 23-0183	EA	14" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,240.65 -186.35	67.40
	33 14	13 23-0184	EA	16" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,021.48 -231.19	84.26
	33 14	13 23-0185	EA	18" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	5,117.28 -290.86	134.81
	33 14	13 23-0186	EA	20" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	6,143.59 -348.39	168.52
	33 14	13 23-0187	EA	24" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	8,668.71 -492.82	227.50
33 14	13 23-0188	Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>				
	33 14	13 23-0189	EA	6" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	512.16 -28.15	21.50
	33 14	13 23-0190	EA	8" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	697.27 -39.10	22.76
	33 14	13 23-0191	EA	8" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	714.90 -40.01	24.02
	33 14	13 23-0192	EA	10" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,074.19 -60.81	30.33
	33 14	13 23-0193	EA	10" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,253.56 -71.42	31.60
	33 14	13 23-0194	EA	10" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,377.58 -78.71	32.86
	33 14	13 23-0195	EA	12" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,411.37 -79.42	43.82
	33 14	13 23-0196	EA	12" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,623.58 -92.01	45.08
	33 14	13 23-0197	EA	12" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,724.51 -97.91	46.35
	33 14	13 23-0198	EA	12" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,761.73 -99.23	53.93
	33 14	13 23-0199	EA	14" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	2,672.68 -154.29	50.56
	33 14	13 23-0200	EA	14" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	2,781.72 -160.68	51.82
	33 14	13 23-0201	EA	14" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	2,891.94 -167.15	53.08

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0202 EA 14" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,014.34	60.66
For DR 25, Deduct	-173.58	
33 14 13 23-0203 EA 14" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,147.72	74.15
For DR 25, Deduct	-179.97	
33 14 13 23-0204 EA 16" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,333.37	60.66
For DR 25, Deduct	-192.72	
33 14 13 23-0205 EA 16" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,443.87	61.93
For DR 25, Deduct	-199.20	
33 14 13 23-0206 EA 16" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,553.16	63.19
For DR 25, Deduct	-205.61	
33 14 13 23-0207 EA 16" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,675.46	70.78
For DR 25, Deduct	-212.03	
33 14 13 23-0208 EA 16" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,732.78	84.26
For DR 25, Deduct	-213.86	
33 14 13 23-0209 EA 16" x 14" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,929.01	91.00
For DR 25, Deduct	-224.82	
33 14 13 23-0210 EA 18" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,115.18	77.52
For DR 25, Deduct	-237.61	
33 14 13 23-0211 EA 18" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,225.40	78.78
For DR 25, Deduct	-244.07	
33 14 13 23-0212 EA 18" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,334.86	80.05
For DR 25, Deduct	-250.49	
33 14 13 23-0213 EA 18" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,455.56	87.63
For DR 25, Deduct	-256.82	
33 14 13 23-0214 EA 18" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,590.23	101.11
For DR 25, Deduct	-263.28	
33 14 13 23-0215 EA 18" x 14" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,710.15	107.85
For DR 25, Deduct	-269.67	
33 14 13 23-0216 EA 18" x 16" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,862.83	117.96
For DR 25, Deduct	-277.61	
33 14 13 23-0217 EA 20" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	5,218.60	94.37
For DR 25, Deduct	-301.79	
33 14 13 23-0218 EA 20" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	5,403.24	95.63
For DR 25, Deduct	-312.72	
33 14 13 23-0219 EA 20" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	5,477.01	96.90
For DR 25, Deduct	-316.99	
33 14 13 23-0220 EA 20" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	5,562.67	104.48
For DR 25, Deduct	-321.22	
33 14 13 23-0221 EA 20" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	5,660.13	117.96
For DR 25, Deduct	-325.45	
33 14 13 23-0222 EA 20" x 14" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	5,787.52	124.71
For DR 25, Deduct	-332.29	
33 14 13 23-0223 EA 20" x 16" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	5,923.92	134.81
For DR 25, Deduct	-339.26	
33 14 13 23-0224 EA 20" x 18" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	6,033.91	151.67
For DR 25, Deduct	-343.83	
33 14 13 23-0225 EA 24" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	6,096.71	123.87
For DR 25, Deduct	-350.94	
33 14 13 23-0226 EA 24" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	6,210.12	125.12
For DR 25, Deduct	-357.59	
33 14 13 23-0227 EA 24" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	6,289.47	126.39
For DR 25, Deduct	-362.20	
33 14 13 23-0228 EA 24" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	6,615.46	133.97
For DR 25, Deduct	-380.85	
33 14 13 23-0229 EA 24" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	6,953.34	147.45
For DR 25, Deduct	-399.51	
33 14 13 23-0230 EA 24" x 14" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	7,277.66	154.20
For DR 25, Deduct	-418.16	
33 14 13 23-0231 EA 24" x 16" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	7,610.09	164.30
For DR 25, Deduct	-436.89	
33 14 13 23-0232 EA 24" x 18" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	7,953.98	181.16
For DR 25, Deduct	-455.50	
33 14 13 23-0233 EA 24" x 20" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	8,299.21	198.01
For DR 25, Deduct	-474.19	
33 14 13 23-0234 Couplings, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
EA 4" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	105.00	10.12
For DR 25, Deduct	-5.09	
33 14 13 23-0236 EA 6" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	197.75	11.39
For DR 25, Deduct	-10.50	
33 14 13 23-0237 EA 8" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	238.31	12.65
For DR 25, Deduct	-12.78	
33 14 13 23-0238 EA 10" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	338.41	20.22
For DR 25, Deduct	-17.88	
33 14 13 23-0239 EA 12" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	540.16	25.28
For DR 25, Deduct	-29.37	
33 14 13 23-0240 EA 14" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	939.84	33.70
For DR 25, Deduct	-52.34	
33 14 13 23-0241 EA 16" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,112.77	42.13
For DR 25, Deduct	-61.71	
33 14 13 23-0242 EA 18" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,672.87	67.40
For DR 25, Deduct	-152.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0243 EA 20" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,994.17	84.26
For DR 25, Deduct	-169.54	
33 14 13 23-0244 EA 24" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,217.16	113.75
For DR 25, Deduct	-239.38	
33 14 13 23-0245 Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0246 EA 4" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	130.82	10.12
For DR 25, Deduct	-6.64	
33 14 13 23-0247 EA 6" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	178.37	11.39
For DR 25, Deduct	-9.34	
33 14 13 23-0248 EA 8" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	260.37	12.65
For DR 25, Deduct	-14.10	
33 14 13 23-0249 EA 10" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	355.62	20.22
For DR 25, Deduct	-18.91	
33 14 13 23-0250 EA 12" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	569.54	33.70
For DR 25, Deduct	-30.13	
33 14 13 23-0251 EA 14" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,524.85	40.44
For DR 25, Deduct	-86.64	
33 14 13 23-0252 EA 16" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,065.24	50.56
For DR 25, Deduct	-117.85	
33 14 13 23-0253 EA 18" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,543.30	67.40
For DR 25, Deduct	-144.51	
33 14 13 23-0254 EA 20" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,037.57	84.26
For DR 25, Deduct	-172.14	
33 14 13 23-0255 EA 24" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,126.62	113.75
For DR 25, Deduct	-233.95	
33 14 13 23-0256 Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Piping <small>(33 14 13 23)</small>		
33 14 13 23-0257 Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe <small>(33 14 13 23-0256)</small>		
33 14 13 23-0258 LF 3/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	1.93	0.68
For >1,000, Deduct	-0.10	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.04	
33 14 13 23-0259 LF 1" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	2.12	0.73
For >1,000, Deduct	-0.11	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.05	
33 14 13 23-0260 LF 1-1/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	2.48	0.79
For >1,000, Deduct	-0.12	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.08	
33 14 13 23-0261 LF 1-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	2.87	0.88
For >1,000, Deduct	-0.14	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.10	
33 14 13 23-0262 LF 2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	3.71	0.98
For >1,000, Deduct	-0.19	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.19	
33 14 13 23-0263 LF 2-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	4.78	1.11
For >1,000, Deduct	-0.24	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.30	
33 14 13 23-0264 LF 3" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	5.82	1.24
For >1,000, Deduct	-0.29	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.41	
33 14 13 23-0265 LF 4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	8.28	1.53
For >1,000, Deduct	-0.41	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.67	
33 14 13 23-0266 LF 6" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	14.58	1.95
For >1,000, Deduct	-0.73	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	1.46	
33 14 13 23-0267 LF 8" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	23.19	2.69
For >1,000, Deduct	-1.16	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	2.47	
33 14 13 23-0268 LF 10" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	34.60	3.61
For >1,000, Deduct	-1.73	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	3.84	
33 14 13 23-0269 LF 12" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	48.17	4.86
For >1,000, Deduct	-2.41	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	5.41	
33 14 13 23-0270 90 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0256)</small>		
33 14 13 23-0271 EA 3/4" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	20.50	8.09
33 14 13 23-0272 EA 1" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	25.92	10.12
33 14 13 23-0273 EA 1-1/4" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	32.65	12.65
33 14 13 23-0274 EA 1-1/2" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	49.15	13.99
33 14 13 23-0275 EA 2" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	53.19	15.68
33 14 13 23-0276 EA 2-1/2" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	62.96	17.79
33 14 13 23-0277 EA 3" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	70.54	19.94
33 14 13 23-0278 EA 4" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	97.94	24.48
33 14 13 23-0279 EA 6" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	141.09	31.10
33 14 13 23-0280 EA 8" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	228.59	40.83
33 14 13 23-0281 EA 10" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	281.05	54.62

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0282 EA 12" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	371.51	73.52
33 14 13 23-0283 45 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0256)		
33 14 13 23-0284 EA 3/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	20.88	8.09
33 14 13 23-0285 EA 1" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	26.19	10.12
33 14 13 23-0286 EA 1-1/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	32.81	12.65
33 14 13 23-0287 EA 1-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	44.18	13.99
33 14 13 23-0288 EA 2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	53.65	15.68
33 14 13 23-0289 EA 2-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	64.84	17.79
33 14 13 23-0290 EA 3" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	69.75	19.94
33 14 13 23-0291 EA 4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	96.23	24.48
33 14 13 23-0292 EA 6" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	137.64	31.10
33 14 13 23-0293 EA 8" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	222.02	40.83
33 14 13 23-0294 EA 10" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	253.81	54.62
33 14 13 23-0295 EA 12" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	333.81	73.52
33 14 13 23-0296 Tees Or Wyes, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0256)		
33 14 13 23-0297 EA 3/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	30.73	12.14
33 14 13 23-0298 EA 1" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	38.79	15.26
33 14 13 23-0299 EA 1-1/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	48.64	19.05
33 14 13 23-0300 EA 1-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	67.60	21.08
33 14 13 23-0301 EA 2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	76.96	23.44
33 14 13 23-0302 EA 2-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	89.60	26.72
33 14 13 23-0303 EA 3" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	107.92	29.82
33 14 13 23-0304 EA 4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	141.84	36.76
33 14 13 23-0305 EA 6" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	235.44	46.72
33 14 13 23-0306 EA 8" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	353.03	61.24
33 14 13 23-0307 EA 10" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	418.02	86.54
33 14 13 23-0308 EA 12" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	522.67	116.44
33 14 13 23-0309 Couplings, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0256)		
33 14 13 23-0310 EA 3/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	13.73	5.40
33 14 13 23-0311 EA 1" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	18.54	7.25
33 14 13 23-0312 EA 1-1/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	24.75	9.52
33 14 13 23-0313 EA 1-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	34.60	10.54
33 14 13 23-0314 EA 2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	38.14	11.72
33 14 13 23-0315 EA 2-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	43.39	13.32
33 14 13 23-0316 EA 3" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	49.82	14.91
33 14 13 23-0317 EA 4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	68.42	18.34
33 14 13 23-0318 EA 6" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	97.89	23.37
33 14 13 23-0319 EA 8" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	166.60	30.62
33 14 13 23-0320 EA 10" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	198.31	43.31
33 14 13 23-0321 EA 12" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	252.71	58.22
33 14 13 23-0322 Schedule 40 Polyvinyl Chloride (PVC) Pipe And Fittings (33 14 13 23)		
33 14 13 23-0323 Schedule 40 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0322)		
33 14 13 23-0324 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	2.12	0.68
For >1,000, Deduct	-0.11	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.06	
33 14 13 23-0325 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	2.49	0.73
For >1,000, Deduct	-0.12	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.10	
33 14 13 23-0326 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	3.21	0.88
For >1,000, Deduct	-0.16	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.15	
33 14 13 23-0327 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	3.84	0.98
For >1,000, Deduct	-0.19	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.21	
33 14 13 23-0328 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	4.98	1.11
For >1,000, Deduct	-0.25	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.33	
33 14 13 23-0329 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	5.95	1.24
For >1,000, Deduct	-0.30	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.43	
33 14 13 23-0330 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	7.94	1.53
For >1,000, Deduct	-0.40	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.62	
33 14 13 23-0331 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	12.04	1.95
For >1,000, Deduct	-0.60	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	1.08	
33 14 13 23-0332 90 Degree Elbows, Schedule 40 Polyvinyl Chloride (PVC) (33 14 13 23-0322)		
33 14 13 23-0333 EA 3/4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	20.64	8.09
33 14 13 23-0334 EA 1" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	26.00	10.12
33 14 13 23-0335 EA 1-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	36.17	13.99
33 14 13 23-0336 EA 2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	40.86	15.68



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0337 EA 2-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	49.11	17.79
33 14 13 23-0338 EA 3" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	55.38	19.94
33 14 13 23-0339 EA 4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	72.57	24.48
33 14 13 23-0340 EA 6" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	113.92	31.10
33 14 13 23-0341 45 Degree Elbows, Schedule 40 Polyvinyl Chloride (PVC) (33 14 13 23-0322)		
33 14 13 23-0342 EA 3/4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	20.61	8.09
33 14 13 23-0343 EA 1" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	25.97	10.12
33 14 13 23-0344 EA 1-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	36.18	13.99
33 14 13 23-0345 EA 2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	40.73	15.68
33 14 13 23-0346 EA 2-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	48.76	17.79
33 14 13 23-0347 EA 3" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	54.97	19.94
33 14 13 23-0348 EA 4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	71.73	24.48
33 14 13 23-0349 EA 6" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	111.25	31.10
33 14 13 23-0350 Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC) (33 14 13 23-0322)		
33 14 13 23-0351 EA 3/4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	30.87	12.14
33 14 13 23-0352 EA 1" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	38.90	15.26
33 14 13 23-0353 EA 1-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	54.08	21.08
33 14 13 23-0354 EA 2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	60.83	23.44
33 14 13 23-0355 EA 2-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	73.87	26.72
33 14 13 23-0356 EA 3" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	84.77	29.82
33 14 13 23-0357 EA 4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	105.44	36.76
33 14 13 23-0358 EA 6" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	173.44	46.72
33 14 13 23-0359 Couplings, Schedule 40 Polyvinyl Chloride (PVC) (33 14 13 23-0322)		
33 14 13 23-0360 EA 3/4" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	13.80	5.40
33 14 13 23-0361 EA 1" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	18.59	7.25
33 14 13 23-0362 EA 1-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	26.96	10.54
33 14 13 23-0363 EA 2" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	30.40	11.72
33 14 13 23-0364 EA 2-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	35.70	13.32
33 14 13 23-0365 EA 3" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	40.91	14.91
33 14 13 23-0366 EA 4" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	50.68	18.34
33 14 13 23-0367 EA 6" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	74.83	23.37
33 14 13 23-0368 Crosses, Schedule 40 Polyvinyl Chloride (PVC) (33 14 13 23-0322)		
33 14 13 23-0369 EA 3/4" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	41.29	16.19
33 14 13 23-0370 EA 1" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	51.81	20.32
33 14 13 23-0371 EA 1-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	72.09	28.08
33 14 13 23-0372 EA 2" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	81.09	31.28
33 14 13 23-0373 EA 2-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	98.44	35.58
33 14 13 23-0374 EA 3" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	112.96	39.79
33 14 13 23-0375 EA 4" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	140.51	48.96
33 14 13 23-0376 EA 6" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	230.93	62.28
33 14 13 23-0377 Schedule 80 Polyvinyl Chloride (PVC) Pipe And Fittings (33 14 13 23)		
33 14 13 23-0378 Schedule 80 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0377)		
33 14 13 23-0379 LF 1" Schedule 80 Polyvinyl Chloride (PVC) Pipe.....	2.70	0.73
For >1,000, Deduct	-0.14	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.13	
33 14 13 23-0380 LF 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe.....	3.63	0.88
For >1,000, Deduct	-0.18	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.22	
33 14 13 23-0381 LF 2" Schedule 80 Polyvinyl Chloride (PVC) Pipe.....	4.54	0.98
For >1,000, Deduct	-0.23	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.31	
33 14 13 23-0382 LF 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe.....	5.89	1.11
For >1,000, Deduct	-0.29	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.47	
33 14 13 23-0383 LF 3" Schedule 80 Polyvinyl Chloride (PVC) Pipe.....	7.23	1.24
For >1,000, Deduct	-0.36	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.62	
33 14 13 23-0384 LF 4" Schedule 80 Polyvinyl Chloride (PVC) Pipe.....	9.90	1.53
For >1,000, Deduct	-0.50	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.91	
33 14 13 23-0385 LF 6" Schedule 80 Polyvinyl Chloride (PVC) Pipe.....	16.41	1.95
For >1,000, Deduct	-0.82	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	1.73	
33 14 13 23-0386 90 Degree Elbows, Schedule 80 Polyvinyl Chloride (PVC) (33 14 13 23-0377)		
33 14 13 23-0387 EA 1" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC).....	27.09	10.12
33 14 13 23-0388 EA 1-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC).....	36.17	13.99
33 14 13 23-0389 EA 2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC).....	41.94	15.68
33 14 13 23-0390 EA 2-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC).....	51.42	17.79

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0391	EA		3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	57.53	19.94
33 14 13 23-0392	EA		4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	73.08	24.48
33 14 13 23-0393	EA		6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	111.47	31.10
33 14 13 23-0394			45 Degree Elbows, Schedule 80 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0377)</small>		
33 14 13 23-0395	EA		1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	31.55	10.12
33 14 13 23-0396	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	40.46	13.99
33 14 13 23-0397	EA		2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	46.07	15.68
33 14 13 23-0398	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	59.16	17.79
33 14 13 23-0399	EA		3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	67.61	19.94
33 14 13 23-0400	EA		4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	93.34	24.48
33 14 13 23-0401	EA		6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	110.12	31.10
33 14 13 23-0402			Tees Or Wyes, Schedule 80 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0377)</small>		
33 14 13 23-0403	EA		1" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	41.18	15.26
33 14 13 23-0404	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	61.00	21.08
33 14 13 23-0405	EA		2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	69.08	23.44
33 14 13 23-0406	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	78.24	26.72
33 14 13 23-0407	EA		3" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	88.95	29.82
33 14 13 23-0408	EA		4" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	108.46	36.76
33 14 13 23-0409	EA		6" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	173.33	46.72
33 14 13 23-0410			Couplings, Schedule 80 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0377)</small>		
33 14 13 23-0411	EA		1" Schedule 80 Polyvinyl Chloride (PVC) Coupling	20.22	7.25
33 14 13 23-0412	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	29.76	10.54
33 14 13 23-0413	EA		2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	33.03	11.72
33 14 13 23-0414	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	42.46	13.32
33 14 13 23-0415	EA		3" Schedule 80 Polyvinyl Chloride (PVC) Coupling	47.72	14.91
33 14 13 23-0416	EA		4" Schedule 80 Polyvinyl Chloride (PVC) Coupling	58.97	18.34
33 14 13 23-0417	EA		6" Schedule 80 Polyvinyl Chloride (PVC) Coupling	86.40	23.37
33 14 13 23-0418			Crosses, Schedule 80 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0377)</small>		
33 14 13 23-0419	EA		1" Schedule 80 Polyvinyl Chloride (PVC) Cross	54.83	20.32
33 14 13 23-0420	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	81.28	28.08
33 14 13 23-0421	EA		2" Schedule 80 Polyvinyl Chloride (PVC) Cross	92.05	31.28
33 14 13 23-0422	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	104.25	35.58
33 14 13 23-0423	EA		3" Schedule 80 Polyvinyl Chloride (PVC) Cross	118.51	39.79
33 14 13 23-0424	EA		4" Schedule 80 Polyvinyl Chloride (PVC) Cross	144.51	48.96
33 14 13 23-0425	EA		6" Schedule 80 Polyvinyl Chloride (PVC) Cross	230.79	62.28
33 14 13 23-0426			AWWA C906, High Density Polyethylene (HDPE) Pressure Piping <small>(33 14 13 23)</small>		
			Note: ASTM D3350 pipe, ASTM D2657 heat fusion.		
33 14 13 23-0427			High Density Polyethylene (HDPE) Pressure Pipe <small>(33 14 13 23-0426)</small>		
33 14 13 23-0428	LF		3" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	6.05	2.31
			For DR 19 (89 PSI), Add	0.12	
			For DR 17 (100 PSI), Add	0.31	
			For DR 15.5 (110 PSI), Add	0.45	
			For DR 13.5 (128 PSI), Add	0.70	
			For DR 11 (160 PSI), Add	1.13	
33 14 13 23-0429	LF		4" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	9.57	2.93
			For DR 26 (65 PSI), Deduct	-0.68	
			For DR 19 (89 PSI), Add	0.33	
			For DR 17 (100 PSI), Add	0.82	
			For DR 15.5 (110 PSI), Add	1.20	
			For DR 13.5 (128 PSI), Add	1.88	
			For DR 11 (160 PSI), Add	3.02	
33 14 13 23-0430	LF		6" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	15.11	3.56
			For DR 26 (65 PSI), Deduct	-1.46	
			For DR 19 (89 PSI), Add	0.72	
			For DR 17 (100 PSI), Add	1.78	
			For DR 15.5 (110 PSI), Add	2.60	
			For DR 13.5 (128 PSI), Add	4.06	
			For DR 11 (160 PSI), Add	6.53	
33 14 13 23-0431	LF		8" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	21.56	4.00
			For DR 26 (65 PSI), Deduct	-2.49	
			For DR 19 (89 PSI), Add	1.22	
			For DR 17 (100 PSI), Add	3.01	
			For DR 15.5 (110 PSI), Add	4.41	
			For DR 13.5 (128 PSI), Add	6.89	
			For DR 11 (160 PSI), Add	11.09	
33 14 13 23-0432	LF		10" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	29.99	4.44
			For DR 26 (65 PSI), Deduct	-3.87	
			For DR 19 (89 PSI), Add	1.90	
			For DR 17 (100 PSI), Add	4.69	
			For DR 15.5 (110 PSI), Add	6.86	
			For DR 13.5 (128 PSI), Add	10.71	
			For DR 11 (160 PSI), Add	17.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0433 LF 12" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	40.27	49.81
<i>For DR 26 (65 PSI), Deduct</i>	-5.57	
<i>For DR 19 (89 PSI), Add</i>	2.74	
<i>For DR 17 (100 PSI), Add</i>	6.75	
<i>For DR 15.5 (110 PSI), Add</i>	9.89	
<i>For DR 13.5 (128 PSI), Add</i>	15.44	
<i>For DR 11 (160 PSI), Add</i>	24.85	
33 14 13 23-0434 LF 14" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	46.86	5.61
<i>For DR 26 (65 PSI), Deduct</i>	-6.55	
<i>For DR 19 (89 PSI), Add</i>	3.22	
<i>For DR 17 (100 PSI), Add</i>	7.94	
<i>For DR 15.5 (110 PSI), Add</i>	11.63	
<i>For DR 13.5 (128 PSI), Add</i>	18.15	
<i>For DR 11 (160 PSI), Add</i>	29.22	
33 14 13 23-0435 LF 16" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	59.15	6.23
<i>For DR 26 (65 PSI), Deduct</i>	-8.56	
<i>For DR 19 (89 PSI), Add</i>	4.20	
<i>For DR 17 (100 PSI), Add</i>	10.37	
<i>For DR 15.5 (110 PSI), Add</i>	15.19	
<i>For DR 13.5 (128 PSI), Add</i>	23.71	
<i>For DR 11 (160 PSI), Add</i>	38.17	
33 14 13 23-0436 LF 18" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	73.99	7.47
<i>For DR 26 (65 PSI), Deduct</i>	-10.82	
<i>For DR 19 (89 PSI), Add</i>	5.31	
<i>For DR 17 (100 PSI), Add</i>	13.11	
<i>For DR 15.5 (110 PSI), Add</i>	19.20	
<i>For DR 13.5 (128 PSI), Add</i>	29.97	
<i>For DR 11 (160 PSI), Add</i>	48.24	
33 14 13 23-0437 LF 20" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	62.27	8.90
<i>For DR 26 (65 PSI), Deduct</i>	-8.15	
<i>For DR 19 (89 PSI), Add</i>	4.00	
<i>For DR 17 (100 PSI), Add</i>	9.88	
<i>For DR 15.5 (110 PSI), Add</i>	14.47	
<i>For DR 13.5 (128 PSI), Add</i>	22.59	
<i>For DR 11 (160 PSI), Add</i>	36.36	
33 14 13 23-0438 LF 24" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	126.34	10.67
<i>For DR 26 (65 PSI), Deduct</i>	-19.25	
<i>For DR 19 (89 PSI), Add</i>	9.45	
<i>For DR 17 (100 PSI), Add</i>	23.33	
<i>For DR 15.5 (110 PSI), Add</i>	34.17	
<i>For DR 13.5 (128 PSI), Add</i>	53.33	
<i>For DR 11 (160 PSI), Add</i>	85.84	
33 14 13 23-0439 90 Degree Elbows, High Density Polyethylene (HDPE) Pressure Piping <small>(33 14 13 23-0426)</small>		
33 14 13 23-0440 EA 3" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	55.90	12.65
<i>For DR 26 (65 PSI), Deduct</i>	-3.29	
<i>For DR 19 (89 PSI), Add</i>	1.62	
<i>For DR 17 (100 PSI), Add</i>	3.99	
<i>For DR 15.5 (110 PSI), Add</i>	5.84	
<i>For DR 13.5 (128 PSI), Add</i>	9.12	
<i>For DR 11 (160 PSI), Add</i>	14.68	
33 14 13 23-0441 EA 4" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	63.55	14.07
<i>For DR 26 (65 PSI), Deduct</i>	-3.92	
<i>For DR 19 (89 PSI), Add</i>	1.93	
<i>For DR 17 (100 PSI), Add</i>	4.76	
<i>For DR 15.5 (110 PSI), Add</i>	6.96	
<i>For DR 13.5 (128 PSI), Add</i>	10.87	
<i>For DR 11 (160 PSI), Add</i>	17.49	
33 14 13 23-0442 EA 6" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	105.07	16.06
<i>For DR 26 (65 PSI), Deduct</i>	-10.43	
<i>For DR 19 (89 PSI), Add</i>	5.12	
<i>For DR 17 (100 PSI), Add</i>	12.65	
<i>For DR 15.5 (110 PSI), Add</i>	18.52	
<i>For DR 13.5 (128 PSI), Add</i>	28.91	
<i>For DR 11 (160 PSI), Add</i>	46.53	
33 14 13 23-0443 EA 8" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	175.21	18.75
<i>For DR 26 (65 PSI), Deduct</i>	-21.81	
<i>For DR 19 (89 PSI), Add</i>	10.71	
<i>For DR 17 (100 PSI), Add</i>	26.44	
<i>For DR 15.5 (110 PSI), Add</i>	38.72	
<i>For DR 13.5 (128 PSI), Add</i>	60.43	
<i>For DR 11 (160 PSI), Add</i>	97.27	
33 14 13 23-0444 EA 10" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	273.54	25.04
<i>For DR 26 (65 PSI), Deduct</i>	-36.40	
<i>For DR 19 (89 PSI), Add</i>	17.87	
<i>For DR 17 (100 PSI), Add</i>	44.12	
<i>For DR 15.5 (110 PSI), Add</i>	64.62	
<i>For DR 13.5 (128 PSI), Add</i>	100.86	
<i>For DR 11 (160 PSI), Add</i>	162.34	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0445 EA 12" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	403.17	37.47
For DR 26 (65 PSI), Deduct	-53.30	
For DR 19 (89 PSI), Add	26.17	
For DR 17 (100 PSI), Add	64.61	
For DR 15.5 (110 PSI), Add	94.62	
For DR 13.5 (128 PSI), Add	147.69	
For DR 11 (160 PSI), Add	237.72	
33 14 13 23-0446 EA 14" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	496.61	50.01
For DR 26 (65 PSI), Deduct	-63.54	
For DR 19 (89 PSI), Add	31.20	
For DR 17 (100 PSI), Add	77.03	
For DR 15.5 (110 PSI), Add	112.80	
For DR 13.5 (128 PSI), Add	176.06	
For DR 11 (160 PSI), Add	283.39	
33 14 13 23-0447 EA 16" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	639.90	74.96
For DR 26 (65 PSI), Deduct	-76.09	
For DR 19 (89 PSI), Add	37.36	
For DR 17 (100 PSI), Add	92.24	
For DR 15.5 (110 PSI), Add	135.08	
For DR 13.5 (128 PSI), Add	210.84	
For DR 11 (160 PSI), Add	339.37	
33 14 13 23-0448 EA 18" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	817.87	84.31
For DR 26 (65 PSI), Deduct	-103.55	
For DR 19 (89 PSI), Add	50.84	
For DR 17 (100 PSI), Add	125.53	
For DR 15.5 (110 PSI), Add	183.82	
For DR 13.5 (128 PSI), Add	286.92	
For DR 11 (160 PSI), Add	461.82	
33 14 13 23-0449 EA 20" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,139.54	95.69
For DR 26 (65 PSI), Deduct	-155.72	
For DR 19 (89 PSI), Add	76.46	
For DR 17 (100 PSI), Add	188.76	
For DR 15.5 (110 PSI), Add	276.43	
For DR 13.5 (128 PSI), Add	431.47	
For DR 11 (160 PSI), Add	694.48	
33 14 13 23-0450 EA 24" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,471.37	112.47
For DR 26 (65 PSI), Deduct	-207.88	
For DR 19 (89 PSI), Add	102.07	
For DR 17 (100 PSI), Add	252.00	
For DR 15.5 (110 PSI), Add	369.04	
For DR 13.5 (128 PSI), Add	576.02	
For DR 11 (160 PSI), Add	927.14	
33 14 13 23-0451 Tees, High Density Polyethylene (HDPE) Pressure Piping <small>(33 14 13 23-0426)</small>		
33 14 13 23-0452 EA 3" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	63.12	13.24
For DR 26 (65 PSI), Deduct	-4.31	
For DR 19 (89 PSI), Add	2.11	
For DR 17 (100 PSI), Add	5.22	
For DR 15.5 (110 PSI), Add	7.64	
For DR 13.5 (128 PSI), Add	11.93	
For DR 11 (160 PSI), Add	19.20	
33 14 13 23-0453 EA 4" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	72.60	15.00
For DR 26 (65 PSI), Deduct	-5.07	
For DR 19 (89 PSI), Add	2.49	
For DR 17 (100 PSI), Add	6.14	
For DR 15.5 (110 PSI), Add	9.00	
For DR 13.5 (128 PSI), Add	14.04	
For DR 11 (160 PSI), Add	22.60	
33 14 13 23-0454 EA 6" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	124.13	17.30
For DR 26 (65 PSI), Deduct	-13.25	
For DR 19 (89 PSI), Add	6.50	
For DR 17 (100 PSI), Add	16.06	
For DR 15.5 (110 PSI), Add	23.52	
For DR 13.5 (128 PSI), Add	36.71	
For DR 11 (160 PSI), Add	59.08	
33 14 13 23-0455 EA 8" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	244.64	20.45
For DR 26 (65 PSI), Deduct	-33.61	
For DR 19 (89 PSI), Add	16.50	
For DR 17 (100 PSI), Add	40.74	
For DR 15.5 (110 PSI), Add	59.66	
For DR 13.5 (128 PSI), Add	93.12	
For DR 11 (160 PSI), Add	149.88	
33 14 13 23-0456 EA 10" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	331.50	30.01
For DR 26 (65 PSI), Deduct	-44.28	
For DR 19 (89 PSI), Add	21.74	
For DR 17 (100 PSI), Add	53.67	
For DR 15.5 (110 PSI), Add	78.60	
For DR 13.5 (128 PSI), Add	122.68	
For DR 11 (160 PSI), Add	197.47	
33 14 13 23-0457 EA 12" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	464.75	45.03
For DR 26 (65 PSI), Deduct	-60.46	
For DR 19 (89 PSI), Add	29.68	
For DR 17 (100 PSI), Add	73.29	
For DR 15.5 (110 PSI), Add	107.32	
For DR 13.5 (128 PSI), Add	167.52	
For DR 11 (160 PSI), Add	269.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0458 EA 14" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	556.65	56.24
<i>For DR 26 (65 PSI), Deduct</i>	-71.12	
<i>For DR 19 (89 PSI), Add</i>	34.92	
<i>For DR 17 (100 PSI), Add</i>	86.22	
<i>For DR 15.5 (110 PSI), Add</i>	126.26	
<i>For DR 13.5 (128 PSI), Add</i>	197.08	
<i>For DR 11 (160 PSI), Add</i>	317.21	
33 14 13 23-0459 EA 16" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	713.83	84.31
<i>For DR 26 (65 PSI), Deduct</i>	-84.46	
<i>For DR 19 (89 PSI), Add</i>	41.47	
<i>For DR 17 (100 PSI), Add</i>	102.39	
<i>For DR 15.5 (110 PSI), Add</i>	149.94	
<i>For DR 13.5 (128 PSI), Add</i>	234.03	
<i>For DR 11 (160 PSI), Add</i>	376.69	
33 14 13 23-0460 EA 18" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	934.86	98.22
<i>For DR 26 (65 PSI), Deduct</i>	-117.36	
<i>For DR 19 (89 PSI), Add</i>	57.62	
<i>For DR 17 (100 PSI), Add</i>	142.26	
<i>For DR 15.5 (110 PSI), Add</i>	208.33	
<i>For DR 13.5 (128 PSI), Add</i>	325.18	
<i>For DR 11 (160 PSI), Add</i>	523.40	
33 14 13 23-0461 EA 20" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,338.99	116.01
<i>For DR 26 (65 PSI), Deduct</i>	-180.92	
<i>For DR 19 (89 PSI), Add</i>	88.83	
<i>For DR 17 (100 PSI), Add</i>	219.32	
<i>For DR 15.5 (110 PSI), Add</i>	321.18	
<i>For DR 13.5 (128 PSI), Add</i>	501.32	
<i>For DR 11 (160 PSI), Add</i>	806.91	
33 14 13 23-0462 EA 24" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,755.40	140.63
<i>For DR 26 (65 PSI), Deduct</i>	-244.49	
<i>For DR 19 (89 PSI), Add</i>	120.05	
<i>For DR 17 (100 PSI), Add</i>	296.38	
<i>For DR 15.5 (110 PSI), Add</i>	434.03	
<i>For DR 13.5 (128 PSI), Add</i>	677.46	
<i>For DR 11 (160 PSI), Add</i>	1,090.41	
33 14 13 26 Galvanized Steel Public Water Utility Distribution Piping <small>(33 14 13)</small>		
<small>See CSI section 22 11 16 00-0013 for galvanized steel pipe.</small>		
33 14 13 36 Steel Public Water Utility Distribution Piping <small>(33 14 13)</small>		
33 14 13 36-0001 Steel Piping <small>(33 14 13 36)</small>		
33 14 13 36-0002 Welded, Plain End, Uncoated Steel Piping <small>(33 14 13 36-0001)</small>		
<small>Note: ASTM A252 steel pipe.</small>		
33 14 13 36-0003 Up To 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Piping <small>(33 14 13 36-0002)</small>		
33 14 13 36-0004 LF 8" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	45.54	22.04
<i>For >1,000, Deduct</i>	-2.28	
33 14 13 36-0005 LF 8" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	49.41	22.04
<i>For >1,000, Deduct</i>	-2.47	
33 14 13 36-0006 LF 10" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	51.64	24.04
<i>For >1,000, Deduct</i>	-2.58	
33 14 13 36-0007 LF 10" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	56.53	24.04
<i>For >1,000, Deduct</i>	-2.83	
33 14 13 36-0008 LF 12" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	57.94	25.19
<i>For >1,000, Deduct</i>	-2.90	
33 14 13 36-0009 LF 12" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	61.74	25.19
<i>For >1,000, Deduct</i>	-3.09	
33 14 13 36-0010 LF 14" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	86.11	27.84
<i>For >1,000, Deduct</i>	-4.31	
33 14 13 36-0011 LF 14" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	70.12	27.84
<i>For >1,000, Deduct</i>	-3.51	
33 14 13 36-0012 LF 16" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	70.99	29.38
<i>For >1,000, Deduct</i>	-3.55	
33 14 13 36-0013 LF 16" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	73.34	29.38
<i>For >1,000, Deduct</i>	-3.67	
33 14 13 36-0014 LF 18" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	84.06	33.05
<i>For >1,000, Deduct</i>	-4.20	
33 14 13 36-0015 LF 20" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	87.91	33.05
<i>For >1,000, Deduct</i>	-4.40	
33 14 13 36-0016 5/16" To 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Piping <small>(33 14 13 36-0002)</small>		
33 14 13 36-0017 LF 12" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	74.42	43.41
<i>For >1,000, Deduct</i>	-3.72	
33 14 13 36-0018 LF 14" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	85.47	47.74
<i>For >1,000, Deduct</i>	-4.27	
33 14 13 36-0019 LF 16" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	92.80	49.91
<i>For >1,000, Deduct</i>	-4.64	
33 14 13 36-0020 LF 18" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	104.55	56.42
<i>For >1,000, Deduct</i>	-5.23	
33 14 13 36-0021 LF 18" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	107.16	56.42
<i>For >1,000, Deduct</i>	-5.36	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0022 LF 20" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	109.57	56.42
For >1,000, Deduct	-5.48	
33 14 13 36-0023 LF 20" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	112.35	56.42
For >1,000, Deduct	-5.62	
33 14 13 36-0024 LF 24" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	129.49	65.10
For >1,000, Deduct	-6.47	
33 14 13 36-0025 LF 24" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	138.10	65.10
For >1,000, Deduct	-6.91	
33 14 13 36-0026 LF 24" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	159.22	65.10
For >1,000, Deduct	-7.96	
33 14 13 36-0027 LF 30" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	156.94	75.95
For >1,000, Deduct	-7.85	
33 14 13 36-0028 LF 30" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	160.46	75.95
For >1,000, Deduct	-8.02	
33 14 13 36-0029 LF 30" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	193.67	75.95
For >1,000, Deduct	-9.68	
33 14 13 36-0030 LF 36" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	175.20	75.95
For >1,000, Deduct	-8.76	
33 14 13 36-0031 LF 36" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	207.10	91.15
For >1,000, Deduct	-10.36	
33 14 13 36-0032 LF 36" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	232.86	91.15
For >1,000, Deduct	-11.64	
33 14 13 36-0033 LF 36" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	226.43	91.15
For >1,000, Deduct	-11.32	
33 14 13 36-0034 LF 42" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	315.82	102.00
For >1,000, Deduct	-15.79	
33 14 13 36-0035 LF 42" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	223.97	102.00
For >1,000, Deduct	-11.20	
33 14 13 36-0036 LF 48" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	360.39	115.01
For >1,000, Deduct	-18.02	
33 14 13 36-0037 LF 54" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	386.35	130.21
For >1,000, Deduct	-19.32	
33 14 13 36-0038 LF 48" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	248.02	115.01
For >1,000, Deduct	-12.40	
33 14 13 36-0039 LF 54" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	415.69	130.21
For >1,000, Deduct	-20.78	
33 14 13 36-0040 LF 60" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	469.93	151.90
For >1,000, Deduct	-23.50	
33 14 13 36-0041 LF 66" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	365.61	151.90
For >1,000, Deduct	-18.28	
33 14 13 36-0042 LF 72" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	459.91	123.89
For >1,000, Deduct	-23.00	
33 14 13 36-0043 LF 78" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	695.51	123.89
For >1,000, Deduct	-34.78	
33 14 13 36-0044 Flexible Couplings (Dresser Style 38) (33 14 13 36-0001)		
33 14 13 36-0045 EA 2" Dresser Coupling For Plain End Welded Steel Pipe.....	102.36	22.87
33 14 13 36-0046 EA 3" Dresser Coupling For Plain End Welded Steel Pipe.....	148.92	43.98
33 14 13 36-0047 EA 4" Dresser Coupling For Plain End Welded Steel Pipe.....	198.16	58.06
33 14 13 36-0048 EA 6" Dresser Coupling For Plain End Welded Steel Pipe.....	316.89	87.96
33 14 13 36-0049 EA 8" Dresser Coupling For Plain End Welded Steel Pipe.....	415.64	110.83
33 14 13 36-0050 EA 10" Dresser Coupling For Plain End Welded Steel Pipe.....	563.38	129.22
33 14 13 36-0051 EA 12" Dresser Coupling For Plain End Welded Steel Pipe.....	667.31	161.95
33 14 13 36-0052 EA 14" Dresser Coupling For Plain End Welded Steel Pipe.....	718.73	161.95
33 14 13 36-0053 EA 16" Dresser Coupling For Plain End Welded Steel Pipe.....	758.97	185.21
33 14 13 36-0054 EA 18" Dresser Coupling For Plain End Welded Steel Pipe.....	832.40	198.12
33 14 13 36-0055 EA 20" Dresser Coupling For Plain End Welded Steel Pipe.....	908.07	223.97
33 14 13 36-0056 EA 24" Dresser Coupling For Plain End Welded Steel Pipe.....	1,152.03	236.89
33 14 13 36-0057 EA 30" Dresser Coupling For Plain End Welded Steel Pipe.....	1,385.70	258.42
33 14 13 36-0058 EA 36" Dresser Coupling For Plain End Welded Steel Pipe.....	1,627.18	290.72
33 14 13 36-0059 EA 42" Dresser Coupling For Plain End Welded Steel Pipe.....	1,880.67	327.34
33 14 13 36-0060 EA 48" Dresser Coupling For Plain End Welded Steel Pipe.....	2,187.53	376.86
33 14 13 36-0061 EA 54" Dresser Coupling For Plain End Welded Steel Pipe.....	2,423.99	430.71
33 14 13 36-0062 EA 60" Dresser Coupling For Plain End Welded Steel Pipe.....	2,783.58	538.38
33 14 13 36-0063 EA 66" Dresser Coupling For Plain End Welded Steel Pipe.....	3,203.27	654.67
33 14 13 36-0064 EA 72" Dresser Coupling For Plain End Welded Steel Pipe.....	3,817.14	775.26
33 14 13 39 Copper Public Water Utility Distribution Piping (33 14 13)		
33 14 13 39-0001 Type L Copper Water Distribution Piping (33 14 13 39)		
33 14 13 39-0002 LF 1/2" Type L Copper Water Distribution Pipe.....	5.17	1.64
33 14 13 39-0003 LF 3/4" Type L Copper Water Distribution Pipe.....	6.22	1.84
33 14 13 39-0004 LF 1" Type L Copper Water Distribution Pipe.....	8.14	2.04
33 14 13 39-0005 LF 1-1/4" Type L Copper Water Distribution Pipe.....	9.99	2.45
33 14 13 39-0006 LF 1-1/2" Type L Copper Water Distribution Pipe.....	12.18	3.27
33 14 13 39-0007 LF 2" Type L Copper Water Distribution Pipe.....	17.12	4.08
33 14 13 39-0008 LF 2-1/2" Type L Copper Water Distribution Pipe.....	22.03	4.90
33 14 13 39-0009 LF 3" Type L Copper Water Distribution Pipe.....	27.13	5.39
33 14 13 39-0010 LF 3-1/2" Type L Copper Water Distribution Pipe.....	36.60	6.78
33 14 13 39-0011 LF 4" Type L Copper Water Distribution Pipe.....	48.08	8.58
33 14 13 39-0012 LF 5" Type L Copper Water Distribution Pipe.....	75.08	10.70



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 39-0013 LF 6" Type L Copper Water Distribution Pipe.....	96.36	12.91
33 14 13 39-0014 LF 8" Type L Copper Water Distribution Pipe.....	160.27	14.46
 33 14 13 39-0015 Type K Copper Water Distribution Piping (33 14 13 39)		
33 14 13 39-0016 LF 1/2" Type K Copper Water Distribution Pipe.....	5.43	1.64
33 14 13 39-0017 LF 3/4" Type K Copper Water Distribution Pipe.....	7.13	1.84
33 14 13 39-0018 LF 1" Type K Copper Water Distribution Pipe.....	9.04	2.04
33 14 13 39-0019 LF 1-1/4" Type K Copper Water Distribution Pipe.....	10.55	2.45
33 14 13 39-0020 LF 1-1/2" Type K Copper Water Distribution Pipe.....	13.01	3.27
33 14 13 39-0021 LF 2" Type K Copper Water Distribution Pipe.....	18.23	4.08
33 14 13 39-0022 LF 2-1/2" Type K Copper Water Distribution Pipe.....	25.11	4.90
33 14 13 39-0023 LF 3" Type K Copper Water Distribution Pipe.....	31.75	5.39
33 14 13 39-0024 LF 3-1/2" Type K Copper Water Distribution Pipe.....	42.03	6.78
33 14 13 39-0025 LF 4" Type K Copper Water Distribution Pipe.....	56.32	8.58
33 14 13 39-0026 LF 5" Type K Copper Water Distribution Pipe.....	92.13	10.70
33 14 13 39-0027 LF 6" Type K Copper Water Distribution Pipe.....	127.01	12.91
33 14 13 39-0028 LF 8" Type K Copper Water Distribution Pipe.....	216.85	14.46
 33 14 13 43 Public Water Utility Distribution Piping Coatings And Wraps (33 14 13)		
33 14 13 43-0001 Pipe Coatings (33 14 13 43)		
33 14 13 43-0002 Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating (33 14 13 43-0001)		
33 14 13 43-0003 LF 8" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	3.13	
33 14 13 43-0004 LF 10" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	3.73	
33 14 13 43-0005 LF 12" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	4.40	
33 14 13 43-0006 LF 14" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	5.84	
33 14 13 43-0007 LF 16" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	6.67	
33 14 13 43-0008 LF 18" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	7.01	
33 14 13 43-0009 LF 20" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	7.54	
33 14 13 43-0010 LF 24" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	8.79	
33 14 13 43-0011 LF 30" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	11.54	
33 14 13 43-0012 LF 36" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	18.24	
33 14 13 43-0013 LF 42" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	39.31	
33 14 13 43-0014 LF 48" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	44.93	
33 14 13 43-0015 LF 54" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	50.54	
33 14 13 43-0016 LF 60" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	56.16	
33 14 13 43-0017 LF 66" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	61.77	
33 14 13 43-0018 LF 72" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	67.36	
33 14 13 43-0019 LF 78" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	73.01	
 33 14 13 43-0020 Cement Coating With Fiberglass Or Wire Mesh Reinforcing (33 14 13 43-0001)		
Note: Applied at fabrication shop. Thickness ranging between 1" and 2".		
33 14 13 43-0021 LF 4" Diameter Cement Coated Pipe 1" To 2" Mesh.....	7.64	
Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0022 LF 6" Diameter Cement Coated Pipe 1" To 2" Mesh.....	9.40	
Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0023 LF 8" Diameter Cement Coated Pipe 1" To 2" Mesh.....	11.75	
Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0024 LF 10" Diameter Cement Coated Pipe 1" To 2" Mesh.....	13.09	
Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0025 LF 12" Diameter Cement Coated Pipe 1" To 2" Mesh.....	14.78	
Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0026 LF 14" Diameter Cement Coated Pipe 1" To 2" Mesh.....	17.30	
Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0027 LF 16" Diameter Cement Coated Pipe 1" To 2" Mesh.....	19.66	
Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0028 LF 18" Diameter Cement Coated Pipe 1" To 2" Mesh.....	22.18	
Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0029 LF 20" Diameter Cement Coated Pipe 1" To 2" Mesh.....	24.65	
Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0030 LF 24" Diameter Cement Coated Pipe 1" To 2" Mesh.....	29.57	
Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0031 LF 30" Diameter Cement Coated Pipe 1" To 2" Mesh.....	36.96	
Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0032 LF 36" Diameter Cement Coated Pipe 1" To 2" Mesh.....	44.35	
Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0033 LF 42" Diameter Cement Coated Pipe 1" To 2" Mesh.....	25.10	
Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0034 LF 48" Diameter Cement Coated Pipe 1" To 2" Mesh.....	28.68	
Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0035 LF 54" Diameter Cement Coated Pipe 1" To 2" Mesh.....	32.27	
Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0036 LF 60" Diameter Cement Coated Pipe 1" To 2" Mesh.....	35.85	
Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0037 LF 66" Diameter Cement Coated Pipe 1" To 2" Mesh.....	39.44	
Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0038 LF 72" Diameter Cement Coated Pipe 1" To 2" Mesh.....	43.02	
Note: Reinforcing applied at fabrication shop.		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 43-0039	LF		78" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	46.61	
33 14 13 43-0040			Pipe Lining <small>(33 14 13 43)</small>		
33 14 13 43-0041			Cement Pipe Lining <small>(33 14 13 43-0040)</small> Note: Shop applied.		
33 14 13 43-0042	LF		4" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	11.01 1.02	
33 14 13 43-0043	LF		6" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	13.67 1.25	
33 14 13 43-0044	LF		8" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	16.71 1.57	
33 14 13 43-0045	LF		10" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	21.62 1.96	
33 14 13 43-0046	LF		12" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	26.58 2.36	
33 14 13 43-0047	LF		14" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	33.76 2.76	
33 14 13 43-0048	LF		16" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	43.40 3.13	
33 14 13 43-0049	LF		18" Outside Diameter, 5/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	51.70 3.00	
33 14 13 43-0050	LF		20" Outside Diameter, 5/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	62.18 3.34	
33 14 13 43-0051	LF		24" Outside Diameter, 5/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	75.35 4.01	
33 14 13 43-0052	LF		30" Outside Diameter, 5/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	90.87 5.01	
33 14 13 43-0053	LF		36" Outside Diameter, 5/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	109.33 6.01	
33 14 13 43-0054	LF		42" Outside Diameter, 3/8" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	127.58 5.15	
33 14 13 43-0055	LF		48" Outside Diameter, 3/8" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	145.75 5.89	
33 14 13 43-0056	LF		54" Outside Diameter, 3/8" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	163.99 6.63	
33 14 13 43-0057	LF		60" Outside Diameter, 3/8" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	182.23 7.36	
33 14 13 43-0058	LF		66" Outside Diameter, 7/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	200.40 4.32	
33 14 13 43-0059	LF		72" Outside Diameter, 7/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	218.65 4.71	
33 14 13 43-0060	LF		78" Outside Diameter, 7/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	236.89 5.10	
33 14 13 43-0061			Cement Fitting Lining <small>(33 14 13 43-0040)</small> Note: Shop applied.		
33 14 13 43-0062	EA		4" Outside Diameter, 1/4" Thick Cement Fitting Lining..... <i>For 1/2" Thick, Add</i>	11.01 1.02	
33 14 13 43-0063	EA		6" Outside Diameter, 1/4" Thick Cement Fitting Lining..... <i>For 1/2" Thick, Add</i>	13.67 1.25	
33 14 13 43-0064	EA		8" Outside Diameter, 1/4" Thick Cement Fitting Lining..... <i>For 1/2" Thick, Add</i>	21.27 2.04	
33 14 13 43-0065	EA		10" Outside Diameter, 1/4" Thick Cement Fitting Lining..... <i>For 1/2" Thick, Add</i>	34.90 3.13	
33 14 13 43-0066	EA		12" Outside Diameter, 1/4" Thick Cement Fitting Lining..... <i>For 1/2" Thick, Add</i>	53.16 4.71	
33 14 13 43-0067	EA		14" Outside Diameter, 1/4" Thick Cement Fitting Lining..... <i>For 1/2" Thick, Add</i>	78.33 6.34	
33 14 13 43-0068	EA		16" Outside Diameter, 1/4" Thick Cement Fitting Lining..... <i>For 1/2" Thick, Add</i>	114.71 8.14	
33 14 13 43-0069	EA		18" Outside Diameter, 5/16" Thick Cement Fittings Lining..... <i>For 1/2" Thick, Add</i>	155.11 9.01	
33 14 13 43-0070	EA		20" Outside Diameter, 5/16" Thick Cement Fitting Lining..... <i>For 1/2" Thick, Add</i>	207.16 11.12	
33 14 13 43-0071	EA		24" Outside Diameter, 5/16" Thick Cement Fitting Lining..... <i>For 1/2" Thick, Add</i>	301.41 16.02	
33 14 13 43-0072			8 Mil Polyethylene Encasement Tubing <small>(33 14 13 43)</small> Note: ANSI/AWWA C105/A21.5-99 section 4.2.		
33 14 13 43-0073	LF		3" To 8" Diameter, 8 Mil Polyethylene Encasement Tubing.....	0.83	
33 14 13 43-0074	LF		10" To 12" Diameter, 8 Mil Polyethylene Encasement Tubing.....	1.38	
33 14 13 43-0075	LF		14" To 16" Diameter, 8 Mil Polyethylene Encasement Tubing.....	1.71	
33 14 13 43-0076	LF		18" To 20" Diameter, 8 Mil Polyethylene Encasement Tubing.....	2.17	
33 14 13 43-0077	LF		24" Diameter, 8 Mil Polyethylene Encasement Tubing.....	3.01	
33 14 13 43-0078	LF		30" Diameter, 8 Mil Polyethylene Encasement Tubing.....	3.87	
33 14 13 43-0079	LF		36" To 42" Diameter, 8 Mil Polyethylene Encasement Tubing.....	4.93	
33 14 13 43-0080	LF		48" Diameter, 8 Mil Polyethylene Encasement Tubing.....	5.87	
33 14 13 43-0081	LF		54" Diameter, 8 Mil Polyethylene Encasement Tubing.....	6.99	
33 14 13 43-0082	LF		60" Diameter, 8 Mil Polyethylene Encasement Tubing.....	7.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 53 Public Water Utility Distribution Piping Saddles And Adapters (33 14 13)

33 14 13 53-0001

Double Stud Stainless Steel Service Saddles (33 14 13 53)

Note: 1/2" listed taps are compression, 3/4" to 2" are either compression or NPT.

33 14 13 53-0002	EA	4" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	221.21
33 14 13 53-0003	EA	4" Diameter x 1-1/4" Or 1-1/2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	319.45
33 14 13 53-0004	EA	4" Diameter x 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	329.05
33 14 13 53-0005	EA	6" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	268.18
33 14 13 53-0006	EA	6" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	340.58
33 14 13 53-0007	EA	8" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	279.61
33 14 13 53-0008	EA	8" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	356.29
33 14 13 53-0009	EA	10" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	316.76
33 14 13 53-0010	EA	10" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	375.26
33 14 13 53-0011	EA	12" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	329.83
33 14 13 53-0012	EA	12" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	386.09

33 14 13 53-0013

Double Bale Epoxy Coated Ductile Iron Body Service Saddles (33 14 13 53)

Note: Electro-galvanized steel bales. 5/8" listed taps are compression. 3/4" to 2" are either compression or NPT. 2-1/2", 3" or 4" are NPT.

33 14 13 53-0014	EA	1-1/4" To 1-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	179.04
33 14 13 53-0015	EA	2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	179.19
33 14 13 53-0016	EA	2" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	190.56
33 14 13 53-0017	EA	2-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	182.63
33 14 13 53-0018	EA	3" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	195.48
33 14 13 53-0019	EA	3" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	217.48
33 14 13 53-0020	EA	3" Diameter x 2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	231.46
33 14 13 53-0021	EA	4" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	210.71
33 14 13 53-0022	EA	4" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	232.92
33 14 13 53-0023	EA	4" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	244.58
33 14 13 53-0024	EA	5" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	222.21
33 14 13 53-0025	EA	5" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	245.17
33 14 13 53-0026	EA	5" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	256.78
33 14 13 53-0027	EA	6" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	234.17
33 14 13 53-0028	EA	6" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	256.42
33 14 13 53-0029	EA	6" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	267.84
33 14 13 53-0030	EA	6" Diameter x 3" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	407.40
33 14 13 53-0031	EA	6" Diameter x 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	417.00
33 14 13 53-0032	EA	8" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	254.59
33 14 13 53-0033	EA	8" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	281.83
33 14 13 53-0034	EA	8" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	292.32
33 14 13 53-0035	EA	8" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	485.89
33 14 13 53-0036	EA	10" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	287.44
33 14 13 53-0037	EA	10" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	320.48
33 14 13 53-0038	EA	10" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	545.67
33 14 13 53-0039	EA	12" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	314.17
33 14 13 53-0040	EA	12" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	349.21
33 14 13 53-0041	EA	12" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	361.40
33 14 13 53-0042	EA	12" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	612.29
33 14 13 53-0043	EA	14" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	371.29
33 14 13 53-0044	EA	14" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	398.36
33 14 13 53-0045	EA	14" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	430.39
33 14 13 53-0046	EA	14" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	761.04
33 14 13 53-0047	EA	15" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	380.89
33 14 13 53-0048	EA	15" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	437.66
33 14 13 53-0049	EA	15" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	455.95
33 14 13 53-0050	EA	15" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	819.70
33 14 13 53-0051	EA	16" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	398.11
33 14 13 53-0052	EA	16" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	457.04
33 14 13 53-0053	EA	16" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	475.85
33 14 13 53-0054	EA	16" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	853.23
33 14 13 53-0055	EA	18" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	443.53
33 14 13 53-0056	EA	18" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	516.36
33 14 13 53-0057	EA	20" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	509.97
33 14 13 53-0058	EA	20" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	566.04
33 14 13 53-0059	EA	24" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	532.95
33 14 13 53-0060	EA	24" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	604.41

33 14 13 53-0061

Double Bale Bronze Service Saddles (33 14 13 53)

33 14 13 53-0062	EA	4" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	254.19
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33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 53-0063	EA	4" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	278.92
33 14 13 53-0064	EA	6" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	289.55
33 14 13 53-0065	EA	6" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	314.53
33 14 13 53-0066	EA	8" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	324.66
33 14 13 53-0067	EA	8" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	341.23
33 14 13 53-0068	EA	10" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	311.90
33 14 13 53-0069	EA	10" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	332.33
33 14 13 53-0070	EA	12" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	403.59
33 14 13 53-0071	EA	12" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	437.79
33 14 13 53-0072	EA	14" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	624.23
33 14 13 53-0073	EA	14" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	708.53
33 14 13 53-0074	EA	16" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	728.92
33 14 13 53-0075	EA	16" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	816.85

33 14 13 53-0076 Stainless Steel Double Straps, Bronze Body Service Saddle (33 14 13 53)

Note: Taps are compression or NPT.

33 14 13 53-0077	EA	4" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	268.57
33 14 13 53-0078	EA	4" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	297.07
33 14 13 53-0079	EA	6" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	306.53
33 14 13 53-0080	EA	6" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	333.94
33 14 13 53-0081	EA	8" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	345.66
33 14 13 53-0082	EA	8" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	363.36
33 14 13 53-0083	EA	10" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	391.95
33 14 13 53-0084	EA	10" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	420.28
33 14 13 53-0085	EA	12" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	422.84
33 14 13 53-0086	EA	12" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	459.51
33 14 13 53-0087	EA	14" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	671.92
33 14 13 53-0088	EA	14" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	775.97
33 14 13 53-0089	EA	16" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	785.50
33 14 13 53-0090	EA	16" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	857.92
33 14 13 53-0091	EA	18" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,115.39
33 14 13 53-0092	EA	18" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,115.39
33 14 13 53-0093	EA	20" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,160.19
33 14 13 53-0094	EA	20" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,160.19
33 14 13 53-0095	EA	24" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,244.81
33 14 13 53-0096	EA	24" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,244.81

33 14 13 53-0097 Ductile Iron Mechanical Joint Tapping Sleeve (33 14 13 53)

33 14 13 53-0098	EA	4" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,240.67
33 14 13 53-0099	EA	6" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,495.91
33 14 13 53-0100	EA	8" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,793.11
33 14 13 53-0101	EA	8" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,901.60
33 14 13 53-0102	EA	10" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,947.77
33 14 13 53-0103	EA	10" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,100.94
33 14 13 53-0104	EA	10" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,164.71
33 14 13 53-0105	EA	12" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,091.77
33 14 13 53-0106	EA	12" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,244.33
33 14 13 53-0107	EA	12" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,620.92
33 14 13 53-0108	EA	12" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,713.97
33 14 13 53-0109	EA	14" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,326.68
33 14 13 53-0110	EA	14" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,499.50
33 14 13 53-0111	EA	14" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,575.34
33 14 13 53-0112	EA	14" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,606.00
33 14 13 53-0113	EA	14" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,849.09
33 14 13 53-0114	EA	16" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,832.83
33 14 13 53-0115	EA	16" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,852.04
33 14 13 53-0116	EA	16" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,045.55
33 14 13 53-0117	EA	16" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,088.58
33 14 13 53-0118	EA	16" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,136.30
33 14 13 53-0119	EA	16" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,068.15
33 14 13 53-0120	EA	16" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,482.58
33 14 13 53-0121	EA	18" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,563.11
33 14 13 53-0122	EA	18" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,004.34
33 14 13 53-0123	EA	18" Diameter x 8", 10", 12" Or 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,119.43
33 14 13 53-0124	EA	18" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,478.04
33 14 13 53-0125	EA	20" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,896.05
33 14 13 53-0126	EA	20" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,554.88
33 14 13 53-0127	EA	20" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,721.07
33 14 13 53-0128	EA	20" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,783.89
33 14 13 53-0129	EA	20" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,110.40
33 14 13 53-0130	EA	20" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,426.18
33 14 13 53-0131	EA	20" Diameter x 16", 18" Or 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,660.29
33 14 13 53-0132	EA	24" Diameter x 4", 6" Or 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,773.00
33 14 13 53-0133	EA	24" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,919.58
33 14 13 53-0134	EA	24" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,960.13
33 14 13 53-0135	EA	24" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	15,311.05
33 14 13 53-0136	EA	24" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	15,505.95
33 14 13 53-0137	EA	24" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	15,544.35
33 14 13 53-0138	EA	24" Diameter x 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	15,973.96



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0139 EA 24" Diameter x 24" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	16,174.50	
33 14 13 53-0140 Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve <small>(33 14 13 53)</small>		
33 14 13 53-0141 EA 4" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,024.25	
33 14 13 53-0142 EA 6" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,078.46	
33 14 13 53-0143 EA 6" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,184.34	
33 14 13 53-0144 EA 8" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,210.99	
33 14 13 53-0145 EA 8" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,261.94	
33 14 13 53-0146 EA 8" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,462.85	
33 14 13 53-0147 EA 10" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,317.42	
33 14 13 53-0148 EA 10" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,366.93	
33 14 13 53-0149 EA 10" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,543.09	
33 14 13 53-0150 EA 10" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,178.64	
33 14 13 53-0151 EA 12" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,475.06	
33 14 13 53-0152 EA 12" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,549.39	
33 14 13 53-0153 EA 12" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,722.69	
33 14 13 53-0154 EA 12" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,291.65	
33 14 13 53-0155 EA 12" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,509.86	
33 14 13 53-0156 EA 14" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,963.83	
33 14 13 53-0157 EA 14" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,024.70	
33 14 13 53-0158 EA 14" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,400.75	
33 14 13 53-0159 EA 14" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,867.84	
33 14 13 53-0160 EA 14" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,170.30	
33 14 13 53-0161 EA 16" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,342.24	
33 14 13 53-0162 EA 16" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,405.20	
33 14 13 53-0163 EA 16" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,652.90	
33 14 13 53-0164 EA 16" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,322.54	
33 14 13 53-0165 EA 16" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,478.02	
33 14 13 53-0166 EA 18" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,465.78	
33 14 13 53-0167 EA 18" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,582.80	
33 14 13 53-0168 EA 18" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,746.78	
33 14 13 53-0169 EA 18" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,535.40	
33 14 13 53-0170 EA 18" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,690.69	
33 14 13 53-0171 EA 20" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,992.80	
33 14 13 53-0172 EA 20" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,055.61	
33 14 13 53-0173 EA 20" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,428.13	
33 14 13 53-0174 EA 20" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	4,060.58	
33 14 13 53-0175 EA 20" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	4,326.83	
33 14 13 53-0176 EA 24" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,220.48	
33 14 13 53-0177 EA 24" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,362.47	
33 14 13 53-0178 EA 24" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,555.49	
33 14 13 53-0179 EA 24" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	4,454.65	
33 14 13 53-0180 EA 24" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	4,616.73	
33 14 13 53-0181 Stainless Steel Flange, Stainless Steel Tapping Sleeve <small>(33 14 13 53)</small>		
33 14 13 53-0182 EA 4" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,197.06	
33 14 13 53-0183 EA 6" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,296.72	
33 14 13 53-0184 EA 6" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,374.53	
33 14 13 53-0185 EA 8" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,393.56	
33 14 13 53-0186 EA 8" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,483.74	
33 14 13 53-0187 EA 8" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,760.38	
33 14 13 53-0188 EA 10" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,600.07	
33 14 13 53-0189 EA 10" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,700.46	
33 14 13 53-0190 EA 10" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,948.04	
33 14 13 53-0191 EA 10" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,667.50	
33 14 13 53-0192 EA 12" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,822.05	
33 14 13 53-0193 EA 12" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,960.23	
33 14 13 53-0194 EA 12" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,288.48	
33 14 13 53-0195 EA 12" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,717.25	
33 14 13 53-0196 EA 12" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,044.19	
33 14 13 53-0197 EA 14" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,078.16	
33 14 13 53-0198 EA 14" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,248.49	
33 14 13 53-0199 EA 14" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,618.57	
33 14 13 53-0200 EA 14" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,047.75	
33 14 13 53-0201 EA 14" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,273.03	
33 14 13 53-0202 EA 16" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,549.92	
33 14 13 53-0203 EA 16" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,784.12	
33 14 13 53-0204 EA 16" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,961.71	
33 14 13 53-0205 EA 16" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,423.45	
33 14 13 53-0206 EA 16" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,735.51	
33 14 13 53-0207 EA 18" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,801.00	
33 14 13 53-0208 EA 18" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,152.83	
33 14 13 53-0209 EA 18" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,338.34	
33 14 13 53-0210 EA 18" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,743.65	
33 14 13 53-0211 EA 18" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	4,281.07	
33 14 13 53-0212 EA 20" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,012.60	
33 14 13 53-0213 EA 20" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,363.51	
33 14 13 53-0214 EA 20" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,513.54	
33 14 13 53-0215 EA 20" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	4,270.94	

33	Utilities
33 10	Water Utilities
33 14	Water Utility Transmission and Distribution



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 53-0216	EA	20" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,690.89	
33 14 13 53-0217	EA	24" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,586.06	
33 14 13 53-0218	EA	24" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,632.85	
33 14 13 53-0219	EA	24" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,813.48	
33 14 13 53-0220	EA	24" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,718.25	
33 14 13 53-0221	EA	24" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,199.45	
33 14 13 53-0222		Ductile Iron Body, Flanged Coupling Adapter (33 14 13 53)		
33 14 13 53-0223	EA	3" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	298.96	49.61
33 14 13 53-0224	EA	4" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	374.47	62.55
33 14 13 53-0225	EA	6" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	491.02	86.27
33 14 13 53-0226	EA	8" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	639.87	101.37
33 14 13 53-0227	EA	10" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,019.96	114.31
33 14 13 53-0228	EA	12" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,138.88	129.41
33 14 13 53-0229		Steel Body, Flanged Coupling Adapter (33 14 13 53)		
33 14 13 53-0230	EA	3" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	443.92	49.61
33 14 13 53-0231	EA	4" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	523.62	62.55
33 14 13 53-0232	EA	6" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	698.20	86.27
33 14 13 53-0233	EA	8" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	855.49	101.37
33 14 13 53-0234	EA	10" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,047.62	114.31
33 14 13 53-0235	EA	12" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,222.06	129.41
33 14 13 53-0236	EA	14" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,455.74	142.35
33 14 13 53-0237	EA	16" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,728.58	155.29
33 14 13 53-0238	EA	18" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,045.64	170.81
33 14 13 53-0239	EA	20" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,422.07	187.90
33 14 13 53-0240		Steel Body, Flanged-Lock Restrained Coupling Adapters (33 14 13 53)		
33 14 13 53-0241	EA	4" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	384.16	62.55
33 14 13 53-0242	EA	6" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	514.95	86.27
33 14 13 53-0243	EA	8" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	568.26	101.37
33 14 13 53-0244	EA	10" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	840.93	114.31
33 14 13 53-0245	EA	12" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,076.47	129.41
33 14 13 53-0246	EA	14" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,208.30	142.35
33 14 13 53-0247	EA	16" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,424.36	155.29
33 14 13 53-0248	EA	18" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,599.62	170.81
33 14 13 53-0249	EA	20" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,928.21	187.90
33 14 13 53-0250	EA	24" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	2,329.33	206.71
33 14 13 53-0251	EA	30" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	4,919.16	227.32
33 14 13 53-0252	EA	36" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	6,657.67	250.10
33 14 13 53-0253		Ductile Iron Body, Omni Coupling System (33 14 13 53)		
33 14 13 53-0254	EA	2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	131.15	34.51
33 14 13 53-0255	EA	2-1/2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	162.30	40.98
33 14 13 53-0256	EA	3" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	201.29	49.61
33 14 13 53-0257	EA	4" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	252.71	62.55
33 14 13 53-0258	EA	6" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	336.20	86.27
33 14 13 53-0259	EA	8" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	409.62	101.37
33 14 13 53-0260	EA	10" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	515.85	114.31
33 14 13 53-0261	EA	12" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	604.68	129.41
33 14 13 53-0262	EA	14" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	863.30	142.35
33 14 13 53-0263	EA	16" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	1,084.36	155.29
33 14 15		Water Service Connections (33 14)		
		See CSI section 22 11 19 00-0159 for backflow preventer assemblies.		
33 14 15 23		Water Service Hydrants (33 14 15)		
33 14 15 23-0001		Yard Hydrants (33 14 15 23)		
		Note: With 3/4" hose thread outlet.		
33 14 15 23-0002	EA	2' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	323.93	28.66
33 14 15 23-0003	EA	4' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	349.00	28.66
33 14 15 23-0004	EA	6' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	374.08	28.66
33 14 15 23-0005	EA	2' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	245.75	36.31
33 14 15 23-0006	EA	4' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	256.52	36.31
33 14 15 23-0007	EA	6' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	267.29	36.31
33 14 15 23-0008		Sanitary Yard Hydrants (33 14 15 23)		
		Note: With 3/4" hose thread outlet.		
33 14 15 23-0009	EA	2' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	1,504.76	59.72
33 14 15 23-0010	EA	4' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	1,583.12	59.72
33 14 15 23-0011	EA	6' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	1,661.48	59.72
33 14 15 23-0012		Flushing Hydrants (33 14 15 23)		



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	Water Utilities	33 10
	Water Utility Transmission and Distribution	33 14

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 15 23-0013 EA 2" Inlet x 2-1/2" Outlet Steel Flushing Hydrant, 3' Bury Depth	515.36	36.84
33 14 19 Valves and Hydrants for Water Utility Service (33 14)		
Note: Flanged valves excludes bolt and gasket set. See CSI section 23 21 13 23-0577 for bolt and gasket sets.		
33 14 19 00-0001 Water Utility Distribution Valves (33 14 19)		
33 14 19 00-0002 Angle Valves (33 14 19 00-0001)		
Note: For connecting meters to water service.		
33 14 19 00-0003 Threaded, Class 150, Bronze Angle Valve (33 14 19 00-0002)		
Note: Nibco T-335Y		
33 14 19 00-0004 EA 1/2" Threaded, Class 150, Bronze Angle Valve	88.86	15.29
33 14 19 00-0005 EA 3/4" Threaded, Class 150, Bronze Angle Valve	119.85	20.55
33 14 19 00-0006 EA 1" Threaded, Class 150, Bronze Angle Valve	161.76	25.33
33 14 19 00-0007 EA 1-1/4" Threaded, Class 150, Bronze Angle Valve	208.33	31.82
33 14 19 00-0008 EA 1-1/2" Threaded, Class 150, Bronze Angle Valve	260.49	36.79
33 14 19 00-0009 EA 2" Threaded, Class 150, Bronze Angle Valve	389.92	43.00
33 14 19 00-0010 EA 2-1/2" Threaded, Class 150, Bronze Angle Valve	625.75	58.67
33 14 19 00-0011 EA 3" Threaded, Class 150, Bronze Angle Valve	952.37	67.73
33 14 19 00-0012 Butterfly Valves (33 14 19 00-0001)		
33 14 19 00-0013 Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valves (33 14 19 00-0012)		
33 14 19 00-0014 EA 3" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD8)	1,223.18	162.45
33 14 19 00-0015 EA 3" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW8)	1,395.31	162.45
33 14 19 00-0016 EA 4" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD8)	1,351.20	251.30
33 14 19 00-0017 EA 4" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW8)	1,523.33	251.30
33 14 19 00-0018 EA 6" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD8)	1,594.66	298.68
33 14 19 00-0019 EA 6" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW8)	1,767.86	298.68
33 14 19 00-0020 EA 8" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD8)	1,845.74	381.66
33 14 19 00-0021 EA 8" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW8)	2,018.95	381.66
33 14 19 00-0022 EA 10" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD16)	2,419.32	464.63
33 14 19 00-0023 EA 10" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW20)	2,857.17	464.63
33 14 19 00-0024 EA 12" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD24)	2,848.05	563.18
33 14 19 00-0025 EA 12" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW20)	3,206.29	563.18
33 14 19 00-0026 EA 14" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-HD12)	3,706.28	729.08
33 14 19 00-0027 EA 14" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-CW20)	4,294.74	729.08
33 14 19 00-0028 EA 16" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-HD16)	4,407.39	802.00
33 14 19 00-0029 EA 16" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-CW20)	4,781.77	802.00
33 14 19 00-0030 EA 18" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,18,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-HD16)	5,480.67	889.49
33 14 19 00-0031 EA 18" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,18,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-CW20)	48,887.05	889.49
33 14 19 00-0032 EA 20" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-HD30)	6,465.36	1,002.48

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0033 EA 20" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,Ci,NBRN-NBR,150B,Ci-S1*MS-7-CW20).....	6,702.04	1,002.48
33 14 19 00-0034 EA 24" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S1,S304G0*MS-7-HD30).....	9,457.09	1,230.33
33 14 19 00-0035 EA 24" Chainwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S1,S304G0*MS-7-CW20).....	9,691.65	1,230.33
33 14 19 00-0036 EA 30" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,30,F1,DI,NBRN-NBR,150B,DI-S1-S304G0*MG-WR1-HD16).....	21,359.84	2,095.52
33 14 19 00-0037 EA 36" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,36,F1,DI,NBRN-NBR,150B,DI-S1-S304G0*MG-WR1-HD16).....	25,064.48	2,794.03
33 14 19 00-0038 EA 42" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,42,F1,DI,NBRN-NBR,150B,DI-S1-S304G0*MG-WR1-HD32).....	32,283.33	4,191.04
33 14 19 00-0039 EA 48" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,48,F1,DI,NBRN-NBR,150B,DI-S1-S304G0*MG-WR3-HD24).....	39,287.25	5,238.79
33 14 19 00-0040 Check Valves (33 14 19 00-0001)		
33 14 19 00-0041 Flanged, Swing Type Gravity Operated Check Valves (33 14 19 00-0040)		
Note: AWWA C508. Bronze disc facing. Mueller A-2600-6.		
33 14 19 00-0042 EA 2-1/2" Flanged, Swing Type Gravity Operated Check Valve.....	591.93	127.53
33 14 19 00-0043 EA 3" Flanged, Swing Type Gravity Operated Check Valve.....	619.15	149.53
33 14 19 00-0044 EA 4" Flanged, Swing Type Gravity Operated Check Valve.....	908.37	189.11
33 14 19 00-0045 EA 4" x 6" Flanged, Swing Type Gravity Operated Check Valve.....	1,190.06	284.55
33 14 19 00-0046 EA 4" x 8" Flanged, Swing Type Gravity Operated Check Valve.....	1,248.60	317.78
33 14 19 00-0047 EA 6" Flanged, Swing Type Gravity Operated Check Valve.....	1,198.75	316.65
33 14 19 00-0048 EA 6" x 8" Flanged, Swing Type Gravity Operated Check Valve.....	1,535.40	359.94
33 14 19 00-0049 EA 6" x 10" Flanged, Swing Type Gravity Operated Check Valve.....	1,617.29	404.61
33 14 19 00-0050 EA 8" Flanged, Swing Type Gravity Operated Check Valve.....	1,675.79	404.61
33 14 19 00-0051 EA 10" Flanged, Swing Type Gravity Operated Check Valve.....	2,720.71	492.57
33 14 19 00-0052 EA 12" Flanged, Swing Type Gravity Operated Check Valve.....	4,033.93	369.42
33 14 19 00-0053 EA 14" Flanged, Swing Type Gravity Operated Check Valve.....	5,571.91	729.08
33 14 19 00-0054 EA 16" Flanged, Swing Type Gravity Operated Check Valve.....	7,319.05	802.00
33 14 19 00-0055 EA 18" Flanged, Swing Type Gravity Operated Check Valve.....	10,467.39	889.49
33 14 19 00-0056 EA 20" Flanged, Swing Type Gravity Operated Check Valve.....	12,168.60	1,002.48
33 14 19 00-0057 Combination Air Release Valves (33 14 19 00-0001)		
33 14 19 00-0058 EA 1" Combination Air Release Valve.....	434.28	18.47
33 14 19 00-0059 EA 2" Combination Air Release Valve.....	701.51	31.66
33 14 19 00-0060 Corporation Stop And Curb Valve (33 14 19 00-0001)		
Note: AWWA C800		
33 14 19 00-0061 Ball Corporation Valves (33 14 19 00-0060)		
Note: Mueller B-25000.		
33 14 19 00-0062 EA 3/4" Ball Corporation Valve (Mueller B-25000).....	71.77	18.47
33 14 19 00-0063 EA 1" Ball Corporation Valve (Mueller B-25000).....	90.20	22.87
33 14 19 00-0064 EA 1-1/2" Ball Corporation Valve (Mueller B-25000).....	162.03	33.43
33 14 19 00-0065 EA 2" Ball Corporation Valve (Mueller B-25000).....	244.75	39.58
33 14 19 00-0066 Gate Valve, AWWA C500 And C509 (33 14 19 00-0001)		
33 14 19 00-0067 Gate Valve, Flanged (33 14 19 00-0066)		
Note: Mueller A-2380-6.		
33 14 19 00-0068 EA 2" Gate Valve, Flanged.....	390.34	117.25
33 14 19 00-0069 EA 2-1/2" Gate Valve, Flanged.....	450.96	127.53
33 14 19 00-0070 EA 3" Gate Valve, Flanged.....	532.52	149.53
33 14 19 00-0071 EA 4" Gate Valve, Flanged.....	760.65	187.35
33 14 19 00-0072 EA 6" Gate Valve, Flanged.....	913.17	316.65
33 14 19 00-0073 EA 8" Gate Valve, Flanged.....	1,308.87	404.61
33 14 19 00-0074 EA 10" Gate Valve, Flanged.....	1,896.92	492.57
33 14 19 00-0075 EA 12" Gate Valve, Flanged.....	2,285.73	369.42
33 14 19 00-0076 EA 14" Gate Valve, Flanged.....	4,605.71	729.08
33 14 19 00-0077 EA 16" Gate Valve, Flanged.....	5,939.23	802.00
33 14 19 00-0078 EA 18" Gate Valve, Flanged.....	9,192.46	889.49
33 14 19 00-0079 EA 20" Gate Valve, Flanged.....	10,958.08	1,002.48
33 14 19 00-0080 Resilient Wedge Gate Valve, Flanged (33 14 19 00-0066)		
Note: Mueller A-2360-6.		
33 14 19 00-0081 EA 2" Resilient Wedge Gate Valve, Flanged.....	376.55	117.25
33 14 19 00-0082 EA 2-1/2" Resilient Wedge Gate Valve, Flanged.....	434.48	127.53
33 14 19 00-0083 EA 3" Resilient Wedge Gate Valve, Flanged.....	512.97	149.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0084 EA 4" Resilient Wedge Gate Valve, Flanged.....	738.80	187.35
33 14 19 00-0085 EA 6" Resilient Wedge Gate Valve, Flanged.....	883.96	316.65
33 14 19 00-0086 EA 8" Resilient Wedge Gate Valve, Flanged.....	1,263.24	404.61
33 14 19 00-0087 EA 10" Resilient Wedge Gate Valve, Flanged.....	1,824.40	492.57
33 14 19 00-0088 EA 12" Resilient Wedge Gate Valve, Flanged.....	2,198.17	369.42
33 14 19 00-0089 Gate Valve, Mechanical Joint (33 14 19 00-0066)		
Note: Mueller A-2380-20.		
33 14 19 00-0090 EA 2" Gate Valve, Mechanical Joint.....	465.43	93.68
33 14 19 00-0091 EA 2-1/2" Gate Valve, Mechanical Joint.....	520.27	117.42
33 14 19 00-0092 EA 3" Gate Valve, Mechanical Joint.....	648.20	142.05
33 14 19 00-0093 EA 4" Gate Valve, Mechanical Joint.....	791.16	187.35
33 14 19 00-0094 EA 6" Gate Valve, Mechanical Joint.....	978.87	219.89
33 14 19 00-0095 EA 8" Gate Valve, Mechanical Joint.....	1,366.41	263.87
33 14 19 00-0096 EA 10" Gate Valve, Mechanical Joint.....	1,919.04	307.85
33 14 19 00-0097 EA 12" Gate Valve, Mechanical Joint.....	2,386.21	369.42
33 14 19 00-0098 EA 14" Gate Valve, Mechanical Joint.....	4,861.55	446.56
33 14 19 00-0099 EA 16" Gate Valve, Mechanical Joint.....	6,220.00	501.25
33 14 19 00-0100 EA 18" Gate Valve, Mechanical Joint.....	9,695.69	555.93
33 14 19 00-0101 EA 20" Gate Valve, Mechanical Joint.....	11,500.70	626.56
33 14 19 00-0102 Resilient Wedge Gate Valve, Mechanical Joint (33 14 19 00-0066)		
Note: Mueller A-2360-20.		
33 14 19 00-0103 EA 2" Resilient Wedge Gate Valve, Mechanical Joint.....	449.68	93.68
33 14 19 00-0104 EA 3" Resilient Wedge Gate Valve, Mechanical Joint.....	627.59	142.05
33 14 19 00-0105 EA 4" Resilient Wedge Gate Valve, Mechanical Joint.....	767.59	187.35
33 14 19 00-0106 EA 6" Resilient Wedge Gate Valve, Mechanical Joint.....	948.36	219.89
33 14 19 00-0107 EA 8" Resilient Wedge Gate Valve, Mechanical Joint.....	1,318.95	263.87
33 14 19 00-0108 EA 10" Resilient Wedge Gate Valve, Mechanical Joint.....	1,845.27	307.85
33 14 19 00-0109 EA 12" Resilient Wedge Gate Valve, Mechanical Joint.....	2,292.95	369.42
33 14 19 00-0110 Resilient Wedge Gate Valve, Mechanical Joint X Flange Joint (33 14 19 00-0066)		
Note: Mueller A-2361.		
33 14 19 00-0111 EA 14" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	4,751.64	729.08
33 14 19 00-0112 EA 16" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	5,168.95	802.00
33 14 19 00-0113 EA 18" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	7,930.51	889.49
33 14 19 00-0114 EA 20" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	9,444.35	1,002.48
33 14 19 00-0115 EA 24" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	13,345.11	1,230.33
33 14 19 00-0116 Gate Valve, Threaded, WW-V-51 Class A, Type 1 (33 14 19 00-0066)		
Note: NIBCO T-113.		
33 14 19 00-0117 EA 1/4" Gate Valve, Bronze, Threaded.....	51.23	15.39
33 14 19 00-0118 EA 3/8" Gate Valve, Bronze, Threaded.....	52.69	15.39
33 14 19 00-0119 EA 1/2" Gate Valve, Bronze, Threaded.....	52.02	15.39
33 14 19 00-0120 EA 3/4" Gate Valve, Bronze, Threaded.....	66.79	20.78
33 14 19 00-0121 EA 1" Gate Valve, Bronze, Threaded.....	82.45	25.13
33 14 19 00-0122 EA 1-1/4" Gate Valve, Bronze, Threaded.....	112.53	31.82
33 14 19 00-0123 EA 1-1/2" Gate Valve, Bronze, Threaded.....	130.61	36.79
33 14 19 00-0124 EA 2" Gate Valve, Bronze, Threaded.....	158.72	43.00
33 14 19 00-0125 EA 2-1/2" Gate Valve, Bronze, Threaded.....	310.72	58.67
33 14 19 00-0126 EA 3" Gate Valve, Bronze, Threaded.....	372.97	67.28
33 14 19 00-0127 Globe Valve, AWWA (33 14 19 00-0001)		
33 14 19 00-0128 Globe Valve, Threaded, WW-V-51 Class B, Type 1 (33 14 19 00-0127)		
Note: NIBCO T-235.		
33 14 19 00-0129 EA 1/8" Globe Valve, Threaded.....	73.32	15.39
33 14 19 00-0130 EA 1/4" Globe Valve, Threaded.....	70.38	15.39
33 14 19 00-0131 EA 3/8" Globe Valve, Threaded.....	71.84	15.39
33 14 19 00-0132 EA 1/2" Globe Valve, Threaded.....	73.32	15.39
33 14 19 00-0133 EA 3/4" Globe Valve, Threaded.....	99.60	20.78
33 14 19 00-0134 EA 1" Globe Valve, Threaded.....	140.54	25.13
33 14 19 00-0135 EA 1-1/4" Globe Valve, Threaded.....	206.43	31.82
33 14 19 00-0136 EA 1-1/2" Globe Valve, Threaded.....	246.65	36.79
33 14 19 00-0137 EA 2" Globe Valve, Threaded.....	345.76	43.00
33 14 19 00-0138 EA 2-1/2" Globe Valve, Threaded.....	638.61	58.67
33 14 19 00-0139 EA 3" Globe Valve, Threaded.....	876.80	67.64
33 14 19 00-0140 Tapping Valve, AWWA C500 And C509 (33 14 19 00-0001)		
33 14 19 00-0141 Tapping Valve, AWWA C500 And C509 (33 14 19 00-0140)		
Note: Flanged inlet X mechanical joint, Mueller H-667.		
33 14 19 00-0142 EA 2" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	521.74	117.25
33 14 19 00-0143 EA 3" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	671.37	149.53
33 14 19 00-0144 EA 4" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	894.78	187.35
33 14 19 00-0145 EA 6" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	1,118.13	316.65

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0146 EA 8" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	1,571.72	404.61
33 14 19 00-0147 EA 10" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	2,216.35	492.57
33 14 19 00-0148 EA 12" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	3,185.19	369.42
33 14 19 00-0149 EA 14" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	5,530.90	729.08
33 14 19 00-0150 EA 16" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	6,918.93	802.00
33 14 19 00-0151 EA 18" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	10,929.63	889.49
33 14 19 00-0152 Accessories For Valves (33 14 19)		
33 14 19 00-0153 EA 1" Valve Extension Stem.....	78.90	
For Each Additional LF, Add	5.43	
33 14 19 00-0154 EA Up to 80" Long Indicator Post Telescoping Barrel Assembly.....	965.21	87.96
Note: Excludes valve.		
33 14 19 00-0155 EA >80" To 114" Long Indicator Post Telescoping Barrel Assembly.....	1,093.03	96.75
Note: Excludes valve.		
33 14 19 00-0156 EA Adjust Water Valve Box To Grade.....	87.96	
33 14 19 00-0157 Roadway Or Curb Valve Boxes (33 14 19)		
See CSI section 22 05 19 00-0000 for metering.		
33 14 19 00-0158 Round Head, Cast Iron Service, Roadway Or Valve Boxes (33 14 19 00-0157)		
33 14 19 00-0159 EA 36" To 48" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	177.45	11.61
Note: Includes cover, top section and bottom section.		
33 14 19 00-0160 EA 36" To 54" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	205.84	11.61
Note: Includes cover, top section and bottom section.		
33 14 19 00-0161 EA 42" To 60" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	207.15	11.61
Note: Includes cover, top section and bottom section.		
33 14 19 00-0162 EA 9" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	53.73	5.81
33 14 19 00-0163 EA 16" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	61.24	5.81
33 14 19 00-0164 EA 24" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	72.55	5.81
33 14 19 00-0165 EA 36" To 48" High, Screw Type, 4-1/4" Shaft, Round Head, Cast Iron Roadway Box.....	267.07	14.51
Note: Includes cover, top section and bottom section.		
33 14 19 00-0166 EA 45" To 54" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	461.76	20.31
Note: Includes cover, top section, bottom section and #6 round base.		
33 14 19 00-0167 EA 45" To 66" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	514.70	20.31
Note: Includes cover, top section, bottom section and #6 round base.		
33 14 19 00-0168 EA 24" To 36" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	277.58	14.51
Note: Includes cover, top section and bottom section.		
33 14 19 00-0169 EA 36" To 48" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	290.23	14.51
Note: Includes cover, top section and bottom section.		
33 14 19 00-0170 EA 24" To 36" High, Two Piece, Slip Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	280.56	14.51
Note: Includes cover, top section and bottom section.		
33 14 19 00-0171 EA 12" Extension For Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	101.77	5.81
33 14 19 00-0172 EA 18" To 24" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	172.29	23.89
33 14 19 00-0173 EA 22" To 28" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	178.03	24.84
33 14 19 00-0174 EA 30" To 36" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	198.14	25.80
33 14 19 00-0175 EA 36" To 48" High Round Head Cast Iron Roadway Or Curb Valve Box.....	270.94	27.24
33 14 19 00-0176 EA 48" To 60" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	326.31	28.66
33 14 19 00-0177 EA 18" Cast Iron Service Box Extension Section.....	76.21	
33 14 19 00-0178 Plastic Roadway Grade Water Meter Box And Cover (33 14 19 00-0157)		
33 14 19 00-0179 EA 12" Wide x 16" Long x 16" Deep Plastic Meter Box And Cover.....	248.63	33.44
33 14 19 00-0180 EA 9-3/4" Wide x 19-1/4" Long x 16" Deep Oval Plastic Meter Box And Cover.....	186.96	23.89
33 14 19 00-0181 EA Cast Iron Lid For Plastic Meter Box.....	55.72	
33 14 19 00-0182 Traffic Valve Box And Lid (33 14 19 00-0157)		
33 14 19 00-0183 EA 10-3/8" ID x 12" Traffic Valve Box And 11" OD Cast Iron Lid (Christy G-5).....	143.68	
33 14 19 00-0184 EA 14-1/2" ID x 12" Traffic Valve Box And 13-1/4" OD Cast Iron Lid (Christy G-12).....	425.30	
33 14 19 00-0185 Utility Box (33 14 19)		
Note: Christy Concrete Products.		
33 14 19 00-0186 B3 Utility Box, 9-3/8" x 15-1/2" (33 14 19 00-0185)		
33 14 19 00-0187 EA 9-3/8" x 15-1/2" Precast Concrete Utility Box.....	69.39	43.62
33 14 19 00-0188 EA Cast Iron Lid For 9-3/8" x 15-1/2" Utility Box.....	52.40	4.85
33 14 19 00-0189 EA Reinforced Concrete Lid For 9-3/8" x 15-1/2" Utility Box.....	24.71	4.85
33 14 19 00-0190 EA Steel Checkered Plate Cover For 9-3/8" x 15-1/2" Utility Box.....	108.69	4.85
33 14 19 00-0191 EA 12-1/8" x 18-5/8" Reinforced Concrete Slab For 9-3/8" x 15-1/2" Utility Box.....	37.93	9.69
33 14 19 00-0192 EA 3" High Reinforced Concrete Base For 9-3/8" x 15-1/2" Utility Box.....	50.17	9.69
33 14 19 00-0193 B9 Utility Box, 10-1/4" x 17-1/4" (33 14 19 00-0185)		
33 14 19 00-0194 EA 10-1/4" x 17-1/4" Precast Concrete Utility Box.....	86.87	58.16
33 14 19 00-0195 EA Cast Iron Lid For 10-1/4" x 17-1/4" Utility Box.....	61.53	5.81
33 14 19 00-0196 EA Reinforced Concrete Lid For 10-1/4" x 17-1/4" Utility Box.....	27.88	5.81
33 14 19 00-0197 EA Steel Checkered Plate Cover For 10-1/4" x 17-1/4" Utility Box.....	113.79	4.85
33 14 19 00-0198 EA 13" x 19-3/4" Reinforced Concrete Slab For 10-1/4" x 17-1/4" Utility Box.....	41.30	9.69
33 14 19 00-0199 EA 5-3/4" High Reinforced Concrete Base For 10-1/4" x 17-1/4" Utility Box.....	56.91	14.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0200 EA 12" High Reinforced Concrete Extension For 10-1/4" x 17-1/4" Utility Box.....	77.12	26.65
33 14 19 00-0201 B12 Utility Box, 12" x 20" <small>(33 14 19 00-0185)</small>		
33 14 19 00-0202 EA 12" x 20" Precast Concrete Utility Box.....	95.01	63.00
33 14 19 00-0203 EA Cast Iron Lid For 12" x 20" Utility Box.....	107.51	7.27
33 14 19 00-0204 EA Reinforced Concrete Lid For 12" x 20" Utility Box.....	39.33	9.69
33 14 19 00-0205 EA Steel Checkered Plate Cover For 12" x 20" Utility Box.....	156.30	9.69
33 14 19 00-0206 EA 12" High Reinforced Concrete Extension For 12" x 20" Utility Box.....	99.70	33.93
33 14 19 00-0207 B16 Utility Box, 12" x 22-1/4" <small>(33 14 19 00-0185)</small>		
33 14 19 00-0208 EA 12" x 22-1/4" Precast Concrete Utility Box.....	109.95	73.66
33 14 19 00-0209 EA Cast Iron Lid For 12" x 22-1/4" Utility Box.....	122.99	9.69
33 14 19 00-0210 EA Reinforced Concrete Lid For 12" x 22-1/4" Utility Box.....	46.27	9.69
33 14 19 00-0211 EA Steel Checkered Plate Cover For 12" x 22-1/4" Utility Box.....	157.13	9.69
33 14 19 00-0212 EA 16" x 27" Reinforced Concrete Slab For 12" x 22-1/4" Utility Box.....	67.92	16.47
33 14 19 00-0213 EA 12" High Reinforced Concrete Extension For 12" x 22-1/4" Utility Box.....	100.85	33.93
33 14 19 00-0214 B30 Utility Box, 13-1/4" x 24" <small>(33 14 19 00-0185)</small>		
33 14 19 00-0215 EA 13-1/4" x 24" Precast Concrete Utility Box (Christy B30BOX).....	131.68	87.23
33 14 19 00-0216 EA Reinforced Concrete Lid For 13-1/4" x 24" Utility Box (Christy B30D).....	64.85	15.51
33 14 19 00-0217 EA Steel Checkered Plate Cover For 13-1/4" x 24" Utility Box (Christy B30-61G).....	194.88	12.60
33 14 19 00-0218 EA 16" x 27" Reinforced Concrete Slab For 13-1/4" x 24" Utility Box (Christy B30SL).....	67.92	16.47
33 14 19 00-0219 EA 5-1/2" High Reinforced Concrete Base For 13-1/4" x 24" Utility Box (Christy B30BA).....	106.00	27.13
33 14 19 00-0220 EA 6" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X6).....	79.94	18.41
33 14 19 00-0221 EA 12" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X12).....	130.33	43.62
33 14 19 00-0222 B36 Utility Box, 17-1/4" x 30" <small>(33 14 19 00-0185)</small>		
33 14 19 00-0223 EA 17-1/4" x 30" Precast Concrete Utility Box (Christy B36BOX).....	170.30	110.50
33 14 19 00-0224 EA Reinforced Concrete Lid For 17-1/4" x 30" Utility Box (Christy B36D).....	107.08	26.65
33 14 19 00-0225 EA Steel Checkered Plate Cover For 17-1/4" x 30" Utility Box (Christy B36-61D).....	246.99	18.41
33 14 19 00-0226 EA 20" x 34" Reinforced Concrete Slab For 17-1/4" x 30" Utility Box (Christy B36SL).....	107.63	34.90
33 14 19 00-0227 EA 6" High Reinforced Concrete Base For 17-1/4" x 30" Utility Box (Christy B36BA).....	161.36	38.77
33 14 19 00-0228 EA 12" High Reinforced Concrete Extension For 17-1/4" x 30" Utility Box (Christy B36X12).....	171.95	56.22
33 14 19 00-0229 B40 Utility Box, 24-1/2" x 36" <small>(33 14 19 00-0185)</small>		
33 14 19 00-0230 EA 24-1/2" x 36" Precast Concrete Utility Box.....	322.62	170.59
33 14 19 00-0231 EA Reinforced Concrete Lid For 24-1/2" x 36" Utility Box.....	283.82	63.97
33 14 19 00-0232 EA Steel Checkered Plate Cover For 24-1/2" x 36" Utility Box.....	352.82	28.10
33 14 19 00-0233 EA 30" x 40" Reinforced Concrete Slab For 24-1/2" x 36" Utility Box.....	240.05	60.09
33 14 19 00-0234 EA 10" High Reinforced Concrete Extension For 24-1/2" x 36" Utility Box.....	253.90	63.00
33 14 19 00-0235 B48 Utility Box, 30-1/4" x 48-1/4" <small>(33 14 19 00-0185)</small>		
33 14 19 00-0236 EA 30-1/4" x 48-1/4" Precast Concrete Utility Box.....	428.59	193.85
33 14 19 00-0237 EA 1 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box.....	409.13	105.65
33 14 19 00-0238 EA 2 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box.....	487.62	105.65
33 14 19 00-0239 EA 2 Piece Steel Checkered Plate Cover For 30-1/4" x 48-1/4" Utility Box.....	562.62	48.46
33 14 19 00-0240 EA 36" x 53" Reinforced Concrete Slab For 30-1/4" x 48-1/4" Utility Box.....	393.44	130.85
33 14 19 00-0241 EA 10" High Reinforced Concrete Extension For 30-1/4" x 48-1/4" Utility Box.....	324.41	88.20
33 14 19 00-0242 Fire Hydrants <small>(33 14 19)</small>		
Note: Breakaway type.		
33 14 19 00-0243 Three Way, Standard (Traditional) Model Fire Hydrant <small>(33 14 19 00-0242)</small>		
Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0244 EA 1-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,454.00	232.31
33 14 19 00-0245 EA 2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,519.31	232.31
33 14 19 00-0246 EA 2-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,584.79	232.31
33 14 19 00-0247 EA 3" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,666.55	248.91
33 14 19 00-0248 EA 3-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,731.93	248.91
33 14 19 00-0249 EA 4" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,818.10	269.65
33 14 19 00-0250 EA 4-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,883.37	269.65
33 14 19 00-0251 EA 5" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,969.57	290.39
33 14 19 00-0252 EA 5-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,034.94	290.39
33 14 19 00-0253 EA 6" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,120.95	311.13
33 14 19 00-0254 EA 6-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,207.05	331.88
33 14 19 00-0255 EA 7" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,313.78	373.36
33 14 19 00-0256 EA 1-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,513.60	232.31
33 14 19 00-0257 EA 2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,598.36	232.31
33 14 19 00-0258 EA 2-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,682.90	232.31
33 14 19 00-0259 EA 3" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,784.05	248.91
33 14 19 00-0260 EA 3-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,868.60	248.91
33 14 19 00-0261 EA 4" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,974.20	269.65
33 14 19 00-0262 EA 4-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,058.64	269.65

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0263 EA 5' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,164.01	290.39
33 14 19 00-0264 EA 5-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,248.53	290.39
33 14 19 00-0265 EA 6' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,353.67	311.13
33 14 19 00-0266 EA 6-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,459.18	331.88
33 14 19 00-0267 EA 7' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,585.06	373.36
33 14 19 00-0268 Two Way, Standard (Traditional) Model Fire Hydrant (33 14 19 00-0242)		
Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0269 EA 1-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,095.51	232.31
33 14 19 00-0270 EA 2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,160.59	232.31
33 14 19 00-0271 EA 2-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,226.05	232.31
33 14 19 00-0272 EA 3' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,308.09	248.91
33 14 19 00-0273 EA 3-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,373.25	248.91
33 14 19 00-0274 EA 4' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,459.28	269.65
33 14 19 00-0275 EA 4-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,524.65	269.65
33 14 19 00-0276 EA 5' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,610.91	290.39
33 14 19 00-0277 EA 5-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,676.14	290.39
33 14 19 00-0278 EA 6' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,762.50	311.13
33 14 19 00-0279 EA 6-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,848.18	331.88
33 14 19 00-0280 EA 7' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,955.06	373.36
33 14 19 00-0281 EA 1-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,187.58	232.31
33 14 19 00-0282 EA 2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,272.14	232.31
33 14 19 00-0283 EA 2-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,356.59	232.31
33 14 19 00-0284 EA 3' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,457.94	248.91
33 14 19 00-0285 EA 3-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,542.28	248.91
33 14 19 00-0286 EA 4' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,647.73	269.65
33 14 19 00-0287 EA 4-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,732.11	269.65
33 14 19 00-0288 EA 5' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,837.75	290.39
33 14 19 00-0289 EA 5-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,922.09	290.39
33 14 19 00-0290 EA 6' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,027.52	311.13
33 14 19 00-0291 EA 6-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,132.61	331.88
33 14 19 00-0292 EA 7' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,258.95	373.36
33 14 19 00-0293 Three Way, Modern Model Fire Hydrant (33 14 19 00-0242)		
Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0294 EA 1-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,606.42	232.31
33 14 19 00-0295 EA 2' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,690.86	232.31
33 14 19 00-0296 EA 2-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,775.56	232.31
33 14 19 00-0297 EA 3' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,876.74	248.91
33 14 19 00-0298 EA 3-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,961.25	248.91
33 14 19 00-0299 EA 4' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,066.53	269.65
33 14 19 00-0300 EA 4-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,151.14	269.65
33 14 19 00-0301 EA 5' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,256.45	290.39
33 14 19 00-0302 EA 5-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,340.97	290.39
33 14 19 00-0303 EA 6' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,446.26	290.39
33 14 19 00-0304 EA 6-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,551.81	331.88
33 14 19 00-0305 EA 7' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,676.81	331.88
33 14 19 00-0306 Two Way, Modern Model Fire Hydrant (33 14 19 00-0242)		
Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0307 EA 1-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,547.62	232.31
33 14 19 00-0308 EA 2' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,611.88	232.31
33 14 19 00-0309 EA 2-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,676.86	232.31
33 14 19 00-0310 EA 3' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,756.96	248.91
33 14 19 00-0311 EA 3-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,821.20	248.91
33 14 19 00-0312 EA 4' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,906.18	269.65
33 14 19 00-0313 EA 4-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,970.40	269.65
33 14 19 00-0314 EA 5' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,055.46	290.39
33 14 19 00-0315 EA 5-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,119.51	290.39
33 14 19 00-0316 EA 6' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,204.51	311.13
33 14 19 00-0317 EA 6-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,289.58	331.88
33 14 19 00-0318 EA 7' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,394.50	373.36
33 14 19 00-0319 Fire Hydrant Extension Kits (33 14 19 00-0242)		
33 14 19 00-0320 EA 6" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	522.10	20.75
33 14 19 00-0321 EA 12" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	618.99	25.93
33 14 19 00-0322 EA 18" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	672.15	31.12
33 14 19 00-0323 EA 24" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	760.84	38.37
33 14 19 00-0324 EA 30" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,167.90	39.93
33 14 19 00-0325 EA 36" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,248.61	41.48
33 14 19 00-0326 EA 42" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,266.08	43.56
33 14 19 00-0327 EA 48" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,336.56	46.67
33 14 19 00-0328 EA 54" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,468.70	56.00
33 14 19 00-0329 EA 60" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,541.14	67.41
33 14 19 00-0330 EA 6" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	581.07	23.23
33 14 19 00-0331 EA 12" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	686.38	28.21
33 14 19 00-0332 EA 18" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	786.18	34.02



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0333 EA 24" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	874.61	42.32
33 14 19 00-0334 EA 30" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,212.28	43.97
33 14 19 00-0335 EA 36" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,293.93	45.63
33 14 19 00-0336 EA 42" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,348.94	48.12
33 14 19 00-0337 EA 48" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,582.67	51.44
33 14 19 00-0338 EA 54" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,729.00	61.40
33 14 19 00-0339 EA 60" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,806.69	73.84
33 14 19 00-0340 Remove And Reinstall Standard Fire Hydrant <small>(33 14 19 00-0242)</small>		
Note: Includes all necessary fittings for resetting, storage and cleaning. Excludes excavation, backfill and thrust blocking around fire hydrant.		
33 14 19 00-0341 EA Up To 5' Burial Section, Removal And Reinstallation Of Fire Hydrant	663.74	
33 14 19 00-0342 EA >5' Burial Section, Removal And Reinstallation Of Fire Hydrant	967.97	
33 14 19 00-0343 EA Reset Fire Hydrant Upper Barrel	806.96	
Note: Includes Safety Repair Kit		
33 14 23 Enclosures for Water Utility Piping and Valves <small>(33 14)</small>		
See CSI section 22 11 19 00-0382 for Enclosures.		
33 16 Water Utility Storage Tanks <small>(33 10)</small>		
33 16 23 Ground-Level Steel Water Storage Tanks <small>(33 16)</small>		
See CSI section 23 13 23 16-0000 for aboveground steel storage tanks.		
33 19 Water Utility Metering Equipment <small>(33 10)</small>		
33 19 11 Water Utility Metering <small>(33 19)</small>		
33 19 11 00-0001 Bronze Disk Type Water Service Meters <small>(33 19 11)</small>		
33 19 11 00-0002 EA 5/8" Diameter, 0 - 20 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	283.46	49.70
33 19 11 00-0003 EA 3/4" Diameter, 0 - 30 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	356.85	59.25
33 19 11 00-0004 EA 1" Diameter, 0 - 50 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	481.16	67.85
33 19 11 00-0005 EA 1-1/2" Diameter, 0 - 100 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	941.23	101.29
33 19 11 00-0006 EA 2" Diameter, 0 - 160 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	1,276.15	131.87
33 19 11 00-0007 Magnetic Driven, Positive Displacement Type Water Service Meters <small>(33 19 11)</small>		
33 19 11 00-0008 EA 5/8" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i)	336.06	49.70
<i>For Owner Furnished Material, Deduct</i>		
	285.76	
33 19 11 00-0009 EA 3/4" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i)	383.88	59.25
<i>For Owner Furnished Material, Deduct</i>		
	324.16	
33 19 11 00-0010 EA 1" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i)	565.64	67.85
<i>For Owner Furnished Material, Deduct</i>		
	497.39	
33 19 11 00-0011 EA 1-1/2" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i)	953.28	101.29
<i>For Owner Furnished Material, Deduct</i>		
	851.63	
33 19 11 00-0012 EA 2" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i)	1,182.17	131.87
<i>For Owner Furnished Material, Deduct</i>		
	1,049.45	
33 19 11 00-0013 EA Electronic Transmitter	267.41	23.89
Note: For use with transmitting meter valve.		
<i>For Owner Furnished Material, Deduct</i>		
	243.52	
33 19 11 00-0014 Flanged Compound Type Water Service Meter <small>(33 19 11)</small>		
33 19 11 00-0015 EA 2" Diameter, 0 - 160 GPM Water Service Meter Compound Type, Flanged And Bronze	1,612.05	117.25
33 19 11 00-0016 EA 3" Diameter, 0 - 320 GPM Water Service Meter Compound Type, Flanged And Bronze	1,886.95	149.53
33 19 11 00-0017 EA 4" Diameter, 0 - 500 GPM Water Service Meter Compound Type, Flanged And Bronze	3,179.22	283.22
33 19 11 00-0018 EA 6" Diameter, 0 - 1,000 GPM Water Service Meter Compound Type, Flanged And Bronze	4,357.95	316.65
33 19 11 00-0019 EA 8" Diameter, 0 - 1,600 GPM Water Service Meter Compound Type, Flanged And Bronze	8,912.08	404.61
33 19 11 00-0020 EA 10" Diameter, 0 - 2,500 GPM Water Service Meter Compound Type, Flanged And Bronze	15,228.86	492.57
33 19 11 00-0021 Flanged Electromagnetic Flow (EMF) Water Meter <small>(33 19 11)</small>		
33 19 11 00-0022 EA 2" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	4,868.04	117.25
33 19 11 00-0023 EA 3" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	6,726.67	149.53
33 19 11 00-0024 EA 4" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	7,753.72	283.22
33 19 11 00-0025 Flanged Turbine Water Service Meter <small>(33 19 11)</small>		
33 19 11 00-0026 Vertical Turbine Meters <small>(33 19 11 00-0025)</small>		
33 19 11 00-0027 EA 1-1/2" Diameter, 0 - 100 GPM Vertical Turbine Meter, Flanged	430.05	92.36
33 19 11 00-0028 EA 2" Diameter, 0 - 160 GPM Vertical Turbine Meter, Flanged	594.64	117.25
33 19 11 00-0029 EA 3" Diameter, 0 - 350 GPM Vertical Turbine Meter, Flanged	979.84	149.53
33 19 11 00-0030 EA 4" Diameter, 0 - 650 GPM Vertical Turbine Meter, Flanged	1,526.28	283.22
33 19 11 00-0031 EA 6" Diameter, 0 - 1,300 GPM Vertical Turbine Meter, Flanged	2,740.85	316.65
33 19 11 00-0032 Horizontal Turbine Meters <small>(33 19 11 00-0025)</small>		
33 19 11 00-0033 EA 1-1/2" Diameter, 0 - 120 GPM Horizontal Turbine Meter, Flanged	639.60	92.36
33 19 11 00-0034 EA 2" Diameter, 0 - 160 GPM Horizontal Turbine Meter, Flanged	893.80	117.25

33 Utilities**33 10 Water Utilities****33 19 Water Utility Metering Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 19 11 00-0035 EA 3" Diameter, 0 - 600 GPM Horizontal Turbine Meter, Flanged.....	1,099.77	149.53
33 19 11 00-0036 EA 4" Diameter, 0 - 1,000 GPM Horizontal Turbine Meter, Flanged.....	1,684.82	283.22
33 19 11 00-0037 EA 6" Diameter, 0 - 2,000 GPM Horizontal Turbine Meter, Flanged.....	3,318.48	316.65
33 19 11 00-0038 EA 8" Diameter, 0 - 3,500 GPM Horizontal Turbine Meter, Flanged.....	4,433.01	404.61
33 19 11 00-0039 EA 10" Diameter, 0 - 5,500 GPM Horizontal Turbine Meter, Flanged.....	6,176.97	492.57
33 19 11 00-0040 EA 12" Diameter, 0 - 6,600 GPM Horizontal Turbine Meter, Flanged.....	8,135.05	993.92
33 30 Sanitary Sewerage Utilities ⁽³³⁾		
33 31 Sanitary Sewerage Piping ^(33 30)		
33 31 11 Public Sanitary Sewerage Gravity Piping ^(33 31)		
Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.		
33 31 11 00-0001 Plastic Sewer And Drain Piping ^(33 31 11)		
33 31 11 00-0002 Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe ^(33 31 11 00-0001)		
33 31 11 00-0003 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	7.02	3.21
33 31 11 00-0004 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	8.39	3.79
33 31 11 00-0005 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	10.86	4.59
33 31 11 00-0006 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	13.13	5.35
33 31 11 00-0007 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	16.67	6.23
33 31 11 00-0008 LF 8" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	21.04	7.25
33 31 11 00-0009 LF 10" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	25.95	7.50
33 31 11 00-0010 LF 12" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	31.62	7.76
33 31 11 00-0011 Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe ^(33 31 11 00-0001)		
Note: D-2729 PVC pipe.		
33 31 11 00-0012 LF 3" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	10.20	4.59
33 31 11 00-0013 LF 4" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	11.98	5.35
33 31 11 00-0014 LF 6" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	14.94	6.23
33 31 11 00-0015 Polyvinyl Chloride (PVC) Sewer And Drain Fittings ^(33 31 11 00-0001)		
33 31 11 00-0016 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain ^(33 31 11 00-0015)		
33 31 11 00-0017 EA 1-1/2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	18.11	11.21
33 31 11 00-0018 EA 2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	23.34	14.50
33 31 11 00-0019 EA 3" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	34.32	19.47
33 31 11 00-0020 EA 4" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	44.45	22.51
33 31 11 00-0021 EA 6" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	109.21	29.25
33 31 11 00-0022 EA 8" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	170.86	39.37
33 31 11 00-0023 EA 10" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	226.14	52.44
33 31 11 00-0024 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain ^(33 31 11 00-0015)		
33 31 11 00-0025 EA 1-1/2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	18.41	11.21
33 31 11 00-0026 EA 2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	23.31	14.50
33 31 11 00-0027 EA 3" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	33.87	19.47
33 31 11 00-0028 EA 4" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	42.28	22.51
33 31 11 00-0029 EA 6" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	103.69	29.25
33 31 11 00-0030 EA 8" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	158.02	39.37
33 31 11 00-0031 EA 10" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	188.36	52.44
33 31 11 00-0032 EA 12" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	270.93	69.84
33 31 11 00-0033 Long Sweep 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain ^(33 31 11 00-0015)		
33 31 11 00-0034 EA 1-1/2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	21.49	11.04
33 31 11 00-0035 EA 2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	25.41	14.50
33 31 11 00-0036 EA 3" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	40.29	19.90
33 31 11 00-0037 EA 4" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	56.87	24.28
33 31 11 00-0038 EA 6" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	88.48	28.08
33 31 11 00-0039 EA 8" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	135.11	32.04
33 31 11 00-0040 EA 10" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	203.08	37.35
33 31 11 00-0041 EA 12" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	291.85	43.54
33 31 11 00-0042 1/16 Bends, Polyvinyl Chloride (PVC) Sewer And Drain ^(33 31 11 00-0015)		
33 31 11 00-0043 EA 1-1/2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	19.03	11.21
33 31 11 00-0044 EA 2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	23.95	14.50
33 31 11 00-0045 EA 3" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	35.71	19.47
33 31 11 00-0046 EA 4" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	45.70	22.51
33 31 11 00-0047 EA 6" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	127.58	29.25
33 31 11 00-0048 EA 8" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	197.61	39.37
33 31 11 00-0049 EA 10" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	232.23	52.44
33 31 11 00-0050 EA 12" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	256.31	69.84



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0051 Reducers, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0015)</small>		
33 31 11 00-0052 EA 2" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	21.79	12.80
33 31 11 00-0053 EA 3" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	31.12	15.28
33 31 11 00-0054 EA 3" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	32.15	16.85
33 31 11 00-0055 EA 4" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	41.22	18.41
33 31 11 00-0056 EA 4" x 3" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	45.55	20.89
33 31 11 00-0057 EA 6" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	96.37	25.85
33 31 11 00-0058 EA 8" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	181.40	34.28
33 31 11 00-0059 EA 10" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	92.47	37.43
33 31 11 00-0060 EA 10" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	117.88	40.83
33 31 11 00-0061 EA 10" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	117.39	45.86
33 31 11 00-0062 EA 12" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	204.36	49.57
33 31 11 00-0063 EA 12" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	218.39	54.59
33 31 11 00-0064 EA 12" x 10" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	235.06	61.14
33 31 11 00-0065 Sanitary Tees, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0015)</small>		
33 31 11 00-0066 EA 1-1/2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	27.68	16.95
33 31 11 00-0067 EA 2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	36.10	21.92
33 31 11 00-0068 EA 3" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	52.14	28.92
33 31 11 00-0069 EA 4" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	70.48	35.92
33 31 11 00-0070 EA 6" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	155.86	39.37
33 31 11 00-0071 EA 8" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	203.88	52.44
33 31 11 00-0072 Wyes, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0015)</small>		
33 31 11 00-0073 EA 1-1/2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	29.98	16.95
33 31 11 00-0074 EA 2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	37.43	21.92
33 31 11 00-0075 EA 3" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	53.85	28.92
33 31 11 00-0076 EA 4" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	73.27	35.92
33 31 11 00-0077 EA 6" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	145.40	39.37
33 31 11 00-0078 EA 8" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	184.02	52.44
33 31 11 00-0079 EA 10" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	243.13	69.98
33 31 11 00-0080 EA 12" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	364.41	93.38
33 31 11 00-0081 Reducing Wyes, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0015)</small>		
33 31 11 00-0082 EA 2" x 1-1/2" x 1-1/2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	33.58	16.95
33 31 11 00-0083 EA 2" x 2" x 1" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	40.94	21.92
33 31 11 00-0084 EA 3" x 3" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	51.49	28.92
33 31 11 00-0085 EA 4" x 4" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	69.44	35.92
33 31 11 00-0086 EA 4" x 4" x 3" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	72.06	35.92
33 31 11 00-0087 Double Wyes, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0015)</small>		
33 31 11 00-0088 EA 1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	42.59	21.92
33 31 11 00-0089 EA 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	55.97	28.92
33 31 11 00-0090 EA 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	90.95	39.04
33 31 11 00-0091 EA 4" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	136.59	47.21
33 31 11 00-0092 EA 2" x 2" x 1-1/2" x 1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	54.89	28.92
33 31 11 00-0093 EA 3" x 3" x 2" x 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	82.66	39.04
33 31 11 00-0094 EA 4" x 4" x 3" x 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	122.90	47.21
33 31 11 00-0095 Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0015)</small>		
33 31 11 00-0096 EA 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	32.84	16.95
33 31 11 00-0097 EA 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	41.90	21.92
33 31 11 00-0098 EA 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	67.27	28.92
33 31 11 00-0099 EA 4" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	103.36	35.92
33 31 11 00-0100 EA 2" x 2" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	51.62	21.92
33 31 11 00-0101 EA 3" x 3" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	76.07	28.92
33 31 11 00-0102 EA 3" x 3" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	63.83	28.92
33 31 11 00-0103 EA 4" x 4" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	99.23	35.92
33 31 11 00-0104 EA 4" x 4" x 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	103.01	35.92
33 31 11 00-0105 Double Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0015)</small>		
33 31 11 00-0106 EA 1-1/2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	44.81	21.92
33 31 11 00-0107 EA 2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	56.22	28.92
33 31 11 00-0108 EA 3" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	80.76	39.04
33 31 11 00-0109 EA 4" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	188.04	47.21
33 31 11 00-0110 EA 6" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	503.95	52.28
33 31 11 00-0111 Cleanout Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0015)</small>		
33 31 11 00-0112 EA 4" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain.....	207.36	89.87

33 Utilities**33 30 Sanitary Sewerage Utilities****33 31 Sanitary Sewerage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0113 EA 6" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain	384.69	115.93
33 31 11 00-0114 EA 8" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain	507.59	163.38
33 31 11 00-0115 EA 10" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain	742.32	262.82
33 31 11 00-0116 Couplings, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0117 EA 1-1/2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	17.99	11.21
33 31 11 00-0118 EA 2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	22.85	14.42
33 31 11 00-0119 EA 3" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	32.22	19.30
33 31 11 00-0120 EA 4" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	39.00	22.51
33 31 11 00-0121 EA 6" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	73.08	29.25
33 31 11 00-0122 EA 8" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	143.25	39.37
33 31 11 00-0123 EA 10" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	209.22	52.44
33 31 11 00-0124 EA 12" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	327.26	69.84
33 31 11 00-0125 Adapters, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0126 EA 4" Male, Plastic Pipe x Malleable Iron Pipe Adapter, Drain And Sewer Fitting.....	98.72	61.75
33 31 11 00-0127 EA 2" x 3" x 3" Downspout Adapter, Drain And Sewer Fitting	72.45	46.97
33 31 11 00-0128 EA 2" x 3" x 4" Downspout Adapter, Drain And Sewer Fitting	73.34	46.97
33 31 11 00-0129 EA 3" x 4" x 4" Downspout Adapter, Drain And Sewer Fitting	75.71	46.97
33 31 11 00-0130 EA 4" Hub, Cast Iron Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting.....	99.37	61.75
33 31 11 00-0131 EA 4" Spigot, Clay Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	97.47	61.75
33 31 11 00-0132 EA 4" Spigot, Fiberglass Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting.....	94.35	61.75
33 31 11 00-0133 EA 4" Drain Grate, Drain And Sewer Fitting	49.88	31.76
33 31 11 00-0134 Caps, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0135 EA 3" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	23.56	12.05
33 31 11 00-0136 EA 4" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	34.83	15.01
33 31 11 00-0137 EA 6" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	58.57	19.39
33 31 11 00-0138 Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0139 EA 1-1/2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	17.90	11.21
33 31 11 00-0140 EA 2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	23.20	14.50
33 31 11 00-0141 EA 3" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	32.77	19.47
33 31 11 00-0142 EA 4" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	40.50	22.51
33 31 11 00-0143 EA 6" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	61.80	29.25
33 31 11 00-0144 EA 8" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	174.24	39.37
33 31 11 00-0145 Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe (33 31 11 00-0001)		
Note: ASTM 3034.		
33 31 11 00-0146 LF 4" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	13.86	5.35
33 31 11 00-0147 LF 6" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	18.45	6.23
33 31 11 00-0148 LF 8" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	24.66	7.25
33 31 11 00-0149 LF 10" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	30.26	7.50
33 31 11 00-0150 LF 12" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	37.01	7.76
33 31 11 00-0151 LF 15" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	48.31	8.04
33 31 11 00-0152 LF 18" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	61.24	8.34
33 31 11 00-0153 LF 21" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	79.56	9.04
33 31 11 00-0154 LF 24" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	96.50	9.76
33 31 11 00-0155 LF 27" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	120.01	11.45
33 31 11 00-0156 Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe (33 31 11 00-0001)		
Note: ASTM 3034.		
33 31 11 00-0157 LF 4" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	12.53	5.35
33 31 11 00-0158 LF 6" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	16.09	6.23
33 31 11 00-0159 LF 8" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	20.82	7.25
33 31 11 00-0160 Gasketed SDR 35 Polyvinyl Chloride (PVC) Fittings (33 31 11 00-0001)		
Note: ASTM 3034.		
33 31 11 00-0161 1/4 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)		
33 31 11 00-0162 EA 4" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	57.41	20.57
33 31 11 00-0163 EA 6" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	82.41	23.92
33 31 11 00-0164 EA 8" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	163.11	27.11
33 31 11 00-0165 EA 10" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	448.91	31.89
33 31 11 00-0166 EA 12" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	579.86	40.66
33 31 11 00-0167 1/8 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)		
33 31 11 00-0168 EA 4" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	52.66	20.57
33 31 11 00-0169 EA 6" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	77.17	23.92
33 31 11 00-0170 EA 8" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	149.86	27.11
33 31 11 00-0171 EA 10" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	324.12	31.89
33 31 11 00-0172 EA 12" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	461.21	40.66



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0173 EA 15" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	976.66	57.41
33 31 11 00-0174 EA 18" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,545.61	81.33
33 31 11 00-0175 EA 21" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,567.48	107.65
33 31 11 00-0176 EA 24" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	3,499.47	143.52
33 31 11 00-0177 Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 11 00-0160)</small>		
33 31 11 00-0178 EA 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	86.80	30.86
33 31 11 00-0179 EA 6" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	133.56	34.20
33 31 11 00-0180 EA 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	149.08	35.89
33 31 11 00-0181 EA 8" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	163.74	37.56
33 31 11 00-0182 EA 8" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	186.00	39.23
33 31 11 00-0183 EA 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	342.63	40.91
33 31 11 00-0184 EA 10" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	434.66	41.86
33 31 11 00-0185 EA 10" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	491.20	43.86
33 31 11 00-0186 EA 10" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	717.67	45.53
33 31 11 00-0187 EA 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	930.84	47.84
33 31 11 00-0188 EA 12" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	534.60	50.96
33 31 11 00-0189 EA 12" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	566.95	52.63
33 31 11 00-0190 EA 12" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	800.72	54.30
33 31 11 00-0191 EA 12" x 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,146.33	56.61
33 31 11 00-0192 EA 12" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,290.73	61.00
33 31 11 00-0193 Wyes, Gasketed SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 11 00-0160)</small>		
33 31 11 00-0194 EA 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	83.11	30.86
33 31 11 00-0195 EA 6" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	121.27	34.20
33 31 11 00-0196 EA 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	132.57	35.89
33 31 11 00-0197 EA 8" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	158.47	37.56
33 31 11 00-0198 EA 8" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	179.72	39.23
33 31 11 00-0199 EA 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	267.51	40.91
33 31 11 00-0200 EA 10" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	399.11	42.18
33 31 11 00-0201 EA 10" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	407.46	43.86
33 31 11 00-0202 EA 10" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	604.92	45.53
33 31 11 00-0203 EA 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	668.38	47.84
33 31 11 00-0204 EA 12" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	504.84	50.96
33 31 11 00-0205 EA 12" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	520.72	52.63
33 31 11 00-0206 EA 12" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	737.35	54.30
33 31 11 00-0207 EA 12" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	884.98	56.61
33 31 11 00-0208 EA 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	924.78	61.00
33 31 11 00-0209 EA 15" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,138.98	73.36
33 31 11 00-0210 EA 15" x 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,262.19	77.74
33 31 11 00-0211 EA 15" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,573.66	86.12
33 31 11 00-0212 Couplings, Gasketed SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 11 00-0160)</small>		
33 31 11 00-0213 EA 4" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	56.99	20.57
33 31 11 00-0214 EA 6" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	85.21	23.92
33 31 11 00-0215 EA 8" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	122.47	27.27
33 31 11 00-0216 EA 10" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	224.10	31.89
33 31 11 00-0217 EA 12" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	316.13	40.66
33 31 11 00-0218 EA 15" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	609.51	57.41
33 31 11 00-0219 EA 18" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,135.79	81.33
33 31 11 00-0220 EA 21" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,884.05	107.65
33 31 11 00-0221 EA 24" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,722.50	143.52
33 31 11 00-0222 Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 11 00-0160)</small>		
33 31 11 00-0223 EA 6" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	102.26	22.25
33 31 11 00-0224 EA 8" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	143.35	23.92
33 31 11 00-0225 EA 8" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	151.31	25.59
33 31 11 00-0226 EA 10" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	328.98	27.91
33 31 11 00-0227 EA 10" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	377.10	29.59
33 31 11 00-0228 EA 12" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	421.06	32.30
33 31 11 00-0229 EA 12" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	482.03	33.97
33 31 11 00-0230 EA 12" x 10" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	551.63	36.28
33 31 11 00-0231 EA 15" x 12" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	828.30	49.04
33 31 11 00-0232 Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 11 00-0160)</small>		
33 31 11 00-0233 EA 6" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	86.81	
33 31 11 00-0234 EA 8" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	113.51	
33 31 11 00-0235 EA 8" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	115.79	
33 31 11 00-0236 EA 10" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	186.05	
33 31 11 00-0237 EA 10" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	195.58	
33 31 11 00-0238 EA 10" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	359.56	
33 31 11 00-0239 EA 12" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	212.92	
33 31 11 00-0240 EA 12" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	230.79	
33 31 11 00-0241 EA 12" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	495.53	

33 Utilities**33 30 Sanitary Sewerage Utilities****33 31 Sanitary Sewerage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0242 EA 12" x 10" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	581.56	
33 31 11 00-0243 EA 15" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	248.63	
33 31 11 00-0244 EA 15" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	264.22	
33 31 11 00-0245 Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 11 00-0160)</small>		
33 31 11 00-0246 EA 6" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	92.15	
33 31 11 00-0247 EA 8" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	113.51	
33 31 11 00-0248 EA 8" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	123.05	
33 31 11 00-0249 EA 10" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	171.91	
33 31 11 00-0250 EA 10" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	194.44	
33 31 11 00-0251 EA 10" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	288.39	
33 31 11 00-0252 EA 12" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	211.79	
33 31 11 00-0253 EA 12" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	229.71	
33 31 11 00-0254 EA 12" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	336.17	
33 31 11 00-0255 EA 12" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	405.65	
33 31 11 00-0256 EA 15" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	247.93	
33 31 11 00-0257 EA 15" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	258.94	
33 31 11 00-0258 EA 15" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	416.35	
33 31 11 00-0259 EA 15" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	458.27	
33 31 11 00-0260 EA 15" x 12" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	638.47	
33 31 11 00-0261 Couplings And Plug Fittings <small>(33 31 11)</small>		
33 31 11 00-0262 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings <small>(33 31 11 00-0261)</small>		
Note: For cast iron or plastic to cast iron to plastic pipe. Includes stainless steel clamps.		
33 31 11 00-0263 EA 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150).....	17.78	5.81
33 31 11 00-0264 EA 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22).....	19.37	6.78
33 31 11 00-0265 EA 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33).....	22.69	7.75
33 31 11 00-0266 EA 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44).....	25.96	8.24
33 31 11 00-0267 EA 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55).....	32.63	8.72
33 31 11 00-0268 EA 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66).....	39.35	9.69
33 31 11 00-0269 EA 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88).....	51.49	10.66
33 31 11 00-0270 EA 10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010).....	64.86	11.14
33 31 11 00-0271 EA 12" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1212).....	111.97	11.63
33 31 11 00-0272 EA 15" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1515).....	155.10	12.60
33 31 11 00-0273 EA 18" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1818).....	307.22	13.08
33 31 11 00-0274 EA 21" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2121).....	358.02	13.81
33 31 11 00-0275 EA 24" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2424).....	397.23	14.54
33 31 11 00-0276 EA 27" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2727).....	476.94	15.51
33 31 11 00-0277 Cast Iron Service Saddles With U Bolt <small>(33 31 11)</small>		
33 31 11 00-0278 EA 2" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt.....	94.38	
33 31 11 00-0279 EA 3" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt.....	94.85	
33 31 11 00-0280 EA 3" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt.....	104.46	
33 31 11 00-0281 EA 4" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt.....	100.98	
33 31 11 00-0282 EA 4" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt.....	113.83	
33 31 11 00-0283 EA 4" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt.....	127.87	
33 31 11 00-0284 EA 4" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt.....	151.40	
33 31 11 00-0285 EA 6" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt.....	127.88	
33 31 11 00-0286 EA 6" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt.....	139.78	
33 31 11 00-0287 EA 6" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt.....	161.33	
33 31 11 00-0288 EA 4" Diameter x 1-1/2" Tapped Wye Cast Iron Service Saddle With U Bolt.....	103.66	
33 31 11 00-0289 EA 4" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt.....	113.26	
33 31 11 00-0290 EA 4" Diameter x 3" Hub Wye Cast Iron Service Saddle With U Bolt.....	134.12	
33 31 11 00-0291 EA 4" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt.....	159.08	
33 31 11 00-0292 EA 6" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt.....	170.90	
33 32 Sanitary Sewerage Equipment <small>(33 30)</small>		
33 32 16 Packaged Wastewater Grinder Pump Assemblies <small>(33 32)</small>		
33 32 16 00-0001 Submersible Grinder Pumps, Cast Iron With Bronze Impeller <small>(33 32 16)</small>		
33 32 16 00-0002 EA 2 HP Submersible Grinder Pump, 200/208, 230 Volt, 1 Phase, 3450 RPM, 1-1/2" Threaded Discharge.....	2,040.88	277.91
Note: Zoeller 840 series.		
33 32 16 00-0003 EA 2 HP Submersible Grinder Pump, 200/208, 230, 460 Volt, 3 Phase, 3450 RPM, 1-1/2" Threaded Discharge.....	2,010.18	277.91
Note: Zoeller 840 series.		
33 32 16 00-0004 EA Simplex Control Panel With Auto Reversing Switch.....	982.33	92.61
Note: For Zoeller 840 series grinder pump.		
33 32 16 00-0005 EA Duplex Control Panel With Auto Reversing Switch.....	1,552.82	92.61
Note: For Zoeller 840 series grinder pump.		
33 32 16 00-0006 EA Grinder Pump, 120 Gallon Sewage Basin, 1 HP, 120 V (Environment One 2012-74).....	7,941.55	
33 32 16 00-0007 Submersible Grinder Pumps <small>(33 32 16)</small>		
Note: Includes 50' of cord with pumps unless otherwise noted.		
33 32 16 00-0008 EA 2 HP Submersible Grinder Pump @ 3450RPM, Explosion Proof.....	3,553.32	571.51



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 32 16 00-0009 EA 3 HP Submersible Grinder Pump @ 3450RPM, Explosion Proof	5,395.63	666.75
33 32 16 00-0010 EA 5 HP Submersible Grinder Pump @ 3450RPM, Explosion Proof	6,588.97	857.26
33 34 Onsite Wastewater Disposal <small>(33 30)</small>		
Note: Excludes distribution field piping, trenching or excavation.		
33 34 13 Septic Tanks <small>(33 34)</small>		
33 34 13 13 Concrete Septic Tanks <small>(33 34 13)</small>		
33 34 13 13-0001 Precast Concrete Septic Tank <small>(33 34 13 13)</small>		
Note: Includes external coating.		
33 34 13 13-0002 EA 1,000 Gallon Precast Septic Tank	2,513.53	571.51
For Non-Traffic Rated, Deduct	-452.92	
33 34 13 13-0003 EA 1,250 Gallon Precast Septic Tank	3,002.86	630.85
For Non-Traffic Rated, Deduct	-557.09	
33 34 13 13-0004 EA 1,500 Gallon Precast Septic Tank	3,474.08	690.09
For Non-Traffic Rated, Deduct	-656.71	
33 34 13 13-0005 EA 2,000 Gallon Precast Septic Tank	4,415.41	750.10
For Non-Traffic Rated, Deduct	-874.28	
33 34 13 13-0006 EA 2,500 Gallon Precast Septic Tank	5,306.06	1,035.86
For Non-Traffic Rated, Deduct	-1,009.67	
33 34 13 13-0007 EA 4,000 Gallon Precast Septic Tank	13,690.40	1,428.76
For Non-Traffic Rated, Deduct	-2,984.45	
33 34 13 13-0008 EA 5,000 Gallon Precast Septic Tank	24,747.91	2,143.14
For Non-Traffic Rated, Deduct	-5,531.62	
33 34 13 13-0009 EA 7,500 Gallon Precast Septic Tank	27,933.08	3,000.40
For Non-Traffic Rated, Deduct	-6,070.45	
33 34 13 13-0010 EA 10,000 Gallon Precast Septic Tank	34,226.69	3,589.81
For Non-Traffic Rated, Deduct	-7,461.29	
33 34 13 13-0011 EA 12,500 Gallon Precast Septic Tank	40,523.62	4,447.07
For Non-Traffic Rated, Deduct	-8,761.67	
33 34 13 23 Fiberglass Septic Tank <small>(33 34 13)</small>		
33 34 13 23-0001 Fiberglass Septic Tank <small>(33 34 13 23)</small>		
33 34 13 23-0002 EA 1,000 Gallon Fiberglass Septic Tank	1,571.73	428.62
33 34 13 23-0003 EA 1,250 Gallon Fiberglass Septic Tank	1,908.04	571.51
33 34 13 23-0004 EA 1,500 Gallon Fiberglass Septic Tank	2,075.13	517.97
33 34 13 23-0005 EA 2,000 Gallon Fiberglass Septic Tank	3,204.46	560.74
33 34 13 23-0006 EA 2,500 Gallon Fiberglass Septic Tank	4,086.31	777.25
33 34 13 23-0007 EA 4,000 Gallon Fiberglass Septic Tank	6,342.20	1,071.57
33 34 13 23-0008 EA 5,000 Gallon Fiberglass Septic Tank	9,430.83	1,607.36
33 34 13 23-0009 EA 7,500 Gallon Fiberglass Septic Tank	12,963.06	2,250.30
33 34 13 23-0010 EA 10,000 Gallon Fiberglass Septic Tank	15,863.17	2,689.60
33 34 13 33 Polyethylene Septic Tank <small>(33 34 13)</small>		
33 34 13 33-0001 High Density Polyethylene (HDPE) Septic Tank <small>(33 34 13 33)</small>		
33 34 13 33-0002 EA 300 Gallon One Compartment One Manhole High Density Polyethylene (HDPE) Septic Tank	826.61	175.91
33 34 13 33-0003 EA 500 Gallon One Compartment One Manhole High Density Polyethylene (HDPE) Septic Tank	1,234.72	197.91
33 34 13 33-0004 EA 900 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	1,699.41	241.89
33 34 13 33-0005 EA 1,000 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	1,753.20	263.87
33 34 13 33-0006 EA 1,250 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	2,021.26	285.87
33 34 13 33-0007 EA 1,500 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	2,406.97	307.85
33 34 13 33-0008 EA 750 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	1,698.85	219.89
33 34 13 33-0009 EA 1,000 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	1,865.24	263.87
33 34 13 33-0010 EA 1,250 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	2,180.92	285.87
33 34 13 33-0011 EA 1,500 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank	2,547.02	307.85
33 34 51 Drainage Field System <small>(33 34)</small>		
33 34 51 00-0001 Leaching Pit - Precast Concrete <small>(33 34 51)</small>		
Note: Includes external coating.		
33 34 51 00-0002 EA 3' Diameter, 3' High, Precast Concrete Leaching Pit	805.56	83.82
33 34 51 00-0003 EA 4' Diameter, 3' High, Precast Concrete Leaching Pit	1,139.91	119.06
33 34 51 00-0004 EA 6' Diameter, 3' High, Precast Concrete Leaching Pit	1,518.33	142.87
33 34 51 00-0005 EA 8' Diameter, 4' High, Precast Concrete Leaching Pit	2,467.86	238.13
33 34 51 00-0006 EA 10' Diameter, 4' High, Precast Concrete Leaching Pit	3,611.70	333.38
33 34 53 Distribution Chambers <small>(33 34)</small>		
33 34 53 13 Drainage Field Concrete Distribution Chambers <small>(33 34 53)</small>		
33 34 53 13-0001 Concrete Distribution Boxes <small>(33 34 53 13)</small>		
Note: Includes internal and external coating.		
33 34 53 13-0002 EA 3 Outlet Concrete Distribution Box	228.13	57.34
33 34 53 13-0003 EA 5 Outlet Concrete Distribution Box	266.47	68.82
33 34 53 13-0004 EA 8 Outlet Concrete Distribution Box	447.67	80.28

33 Utilities**33 30 Sanitary Sewerage Utilities****33 34 Onsite Wastewater Disposal**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 34 53 13-0005 EA 12 Outlet Concrete Distribution Box.....	874.67	137.62
33 34 53 13-0006 Leaching Field Chambers - Precast Concrete <small>(33 34 53 13)</small>		
33 34 53 13-0007 EA Standard Leaching Field Chamber 13' x 3'-7" x 1'-4".....	957.73	72.76
33 34 53 13-0008 EA Heavy Duty Leaching Field Chamber 13' x 3'-9" x 1'-6".....	1,165.57	99.22
33 34 56 Drainage Field Dosing Chambers <small>(33 34)</small>		
33 34 56 00-0001 Dosing Siphon <small>(33 34 56)</small>		
33 34 56 00-0002 EA Dosing Siphon With Electrical Connection And Solenoid Valve.....	3,339.18	
33 34 56 00-0003 EA Solar Power Control For Dosing Siphon	2,284.46	
33 34 56 00-0004 EA Electrical Power Control For Dosing Siphon	2,195.98	
33 40 Stormwater Utilities <small>(33)</small>		
33 41 Subdrainage <small>(33 40)</small>		
33 41 16 Subdrainage Piping <small>(33 41)</small>		
See CSI section 33 42 11 00-0227 for polyethylene drain pipe.		
33 41 16 00-0001 Perforated Polyvinyl Chloride (PVC) Drainage Piping, D2729 <small>(33 41 16)</small>		
Note: Includes fittings, couplings, elbows, etc.		
33 41 16 00-0002 LF 3" Perforated Polyvinyl Chloride (PVC) Drainage Piping	5.51	3.44
33 41 16 00-0003 LF 4" Perforated Polyvinyl Chloride (PVC) Drainage Piping	6.00	3.70
33 41 16 00-0004 LF 6" Perforated Polyvinyl Chloride (PVC) Drainage Piping	8.39	4.44
33 41 16 00-0005 LF 8" Perforated Polyvinyl Chloride (PVC) Drainage Piping	12.94	5.56
33 41 16 00-0006 LF 10" Perforated Polyvinyl Chloride (PVC) Drainage Piping	21.11	6.35
33 41 16 00-0007 LF 12" Perforated Polyvinyl Chloride (PVC) Drainage Piping	27.17	7.41
33 41 16 00-0008 LF 15" Perforated Polyvinyl Chloride (PVC) Drainage Piping	41.14	8.90
33 41 16 00-0009 Perforated Non Reinforced Concrete Drainage Piping, C444 <small>(33 41 16)</small>		
33 41 16 00-0010 LF 6" Perforated Non Reinforced Concrete Drainage Pipe.....	25.02	9.81
<i>For Extra Strength, Add</i>		
	1.29	
<i>For >1,000, Deduct</i>		
	-1.25	
33 41 16 00-0011 LF 8" Perforated Non Reinforced Concrete Drainage Pipe.....	29.15	10.90
<i>For Extra Strength, Add</i>		
	1.59	
<i>For >1,000, Deduct</i>		
	-1.46	
33 41 16 00-0012 LF 10" Perforated Non Reinforced Concrete Drainage Pipe.....	32.93	12.00
<i>For Extra Strength, Add</i>		
	1.85	
<i>For >1,000, Deduct</i>		
	-1.65	
33 41 16 00-0013 LF 12" Perforated Non Reinforced Concrete Drainage Pipe.....	38.49	13.09
<i>For Extra Strength, Add</i>		
	2.33	
<i>For >1,000, Deduct</i>		
	-1.92	
33 41 16 00-0014 Extra Strength Porous Non Reinforced Concrete Drainage Piping, C654 <small>(33 41 16)</small>		
Note: Bell and spigot or tongue and groove. With seals and gaskets.		
33 41 16 00-0015 LF 6" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	21.02	9.81
<i>For >1,000, Deduct</i>		
	-1.05	
33 41 16 00-0016 LF 8" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	23.27	10.90
<i>For >1,000, Deduct</i>		
	-1.16	
33 41 16 00-0017 LF 10" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	25.67	12.00
<i>For >1,000, Deduct</i>		
	-1.28	
33 41 16 00-0018 LF 12" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	29.19	12.46
<i>For >1,000, Deduct</i>		
	-1.46	
33 41 16 00-0019 LF 15" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	33.81	14.02
<i>For >1,000, Deduct</i>		
	-1.69	
33 41 16 00-0020 LF 18" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	41.86	17.92
<i>For >1,000, Deduct</i>		
	-2.09	
33 41 16 00-0021 LF 21" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	52.33	22.99
<i>For >1,000, Deduct</i>		
	-2.62	
33 41 16 00-0022 LF 24" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	63.79	28.05
<i>For >1,000, Deduct</i>		
	-3.19	
33 41 16 00-0023 Standard Strength Porous Non Reinforced Concrete Drainage Piping, C654 <small>(33 41 16)</small>		
33 41 16 00-0024 LF 6" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	19.69	9.81
<i>For >1,000, Deduct</i>		
	-0.98	
33 41 16 00-0025 LF 8" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	24.73	10.90
<i>For >1,000, Deduct</i>		
	-1.24	
33 41 16 00-0026 LF 10" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	30.97	12.00
<i>For >1,000, Deduct</i>		
	-1.55	
33 41 16 00-0027 LF 12" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	37.31	13.09
<i>For >1,000, Deduct</i>		
	-1.87	
33 41 16 00-0028 LF 15" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	42.65	14.56
<i>For >1,000, Deduct</i>		
	-2.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 00-0029 LF 18" Standard Strength Porous Non Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	55.14 -2.76	18.16
33 41 16 00-0030 Perforated Vitrified Clay Drainage Piping, C700 <small>(33 41 16)</small>		
33 41 16 00-0031 LF 4" Perforated Vitrified Clay Drainage Pipe	22.01	10.90
33 41 16 00-0032 LF 6" Perforated Vitrified Clay Drainage Pipe	26.65	12.27
33 41 16 00-0033 LF 8" Perforated Vitrified Clay Drainage Pipe	31.21	12.27
33 41 16 00-0034 LF 10" Perforated Vitrified Clay Drainage Pipe	42.53	15.00
33 41 16 00-0035 LF 12" Perforated Vitrified Clay Drainage Pipe	51.23	16.36
33 41 16 00-0036 Geotextile Filter Fabric Sock <small>(33 41 16)</small>		
33 41 16 00-0037 LF 3" Geotextile Filter Fabric Sock.....	0.57	
33 41 16 00-0038 LF 4" Geotextile Filter Fabric Sock.....	0.74	
33 41 16 00-0039 LF 6" Geotextile Filter Fabric Sock.....	1.13	
33 41 16 00-0040 LF 8" Geotextile Filter Fabric Sock.....	1.51	
33 41 16 00-0041 LF 10" Geotextile Filter Fabric Sock.....	2.21	
33 41 16 00-0042 LF 12" Geotextile Filter Fabric Sock.....	2.98	
33 41 16 00-0043 LF 15" Geotextile Filter Fabric Sock.....	3.50	
33 41 16 00-0044 Strip-Perforated, Galvanized, Corrugated Steel Pipe <small>(33 41 16)</small>		
<i>Note: Perforations are located in the bottom quarter points of the pipe.</i>		
33 41 16 00-0045 LF 6" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	16.46	4.67
<i>For Full Perforated, Add</i>	<i>0.71</i>	
33 41 16 00-0046 LF 8" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	20.70	5.67
<i>For Full Perforated, Add</i>	<i>0.94</i>	
33 41 16 00-0047 LF 10" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	26.12	7.20
<i>For Full Perforated, Add</i>	<i>1.17</i>	
33 41 16 00-0048 LF 12" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	29.28	8.50
<i>For Full Perforated, Add</i>	<i>1.23</i>	
33 41 16 00-0049 LF 15" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	33.03	8.80
<i>For Full Perforated, Add</i>	<i>1.54</i>	
33 41 16 00-0050 LF 18" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	36.89	9.12
<i>For Full Perforated, Add</i>	<i>1.86</i>	
33 41 16 00-0051 LF 21" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	41.87	9.84
<i>For Full Perforated, Add</i>	<i>2.22</i>	
33 41 16 00-0052 Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe <small>(33 41 16)</small>		
<i>Note: Perforations are located in the bottom quarter points of the pipe.</i>		
33 41 16 00-0053 LF 6" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	17.60	4.67
<i>For Full Perforated, Add</i>	<i>0.83</i>	
33 41 16 00-0054 LF 8" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	22.25	5.67
<i>For Full Perforated, Add</i>	<i>1.09</i>	
33 41 16 00-0055 LF 10" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	28.01	7.20
<i>For Full Perforated, Add</i>	<i>1.36</i>	
33 41 16 00-0056 LF 12" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	31.12	8.50
<i>For Full Perforated, Add</i>	<i>1.41</i>	
33 41 16 00-0057 LF 15" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	35.31	8.80
<i>For Full Perforated, Add</i>	<i>1.77</i>	
33 41 16 00-0058 LF 18" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	39.59	9.12
<i>For Full Perforated, Add</i>	<i>2.13</i>	
33 41 16 00-0059 LF 21" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	45.01	9.84
<i>For Full Perforated, Add</i>	<i>2.53</i>	
33 41 16 00-0060 Strip-Perforated, Corrugated Aluminum Pipe <small>(33 41 16)</small>		
<i>Note: Perforations are located in the bottom quarter points of the pipe.</i>		
33 41 16 00-0061 LF 6" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	17.97	4.67
<i>For Full Perforated, Add</i>	<i>0.86</i>	
33 41 16 00-0062 LF 8" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	22.72	5.67
<i>For Full Perforated, Add</i>	<i>1.14</i>	
33 41 16 00-0063 LF 10" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	28.62	7.20
<i>For Full Perforated, Add</i>	<i>1.42</i>	
33 41 16 00-0064 LF 12" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	35.66	8.50
<i>For Full Perforated, Add</i>	<i>1.87</i>	
33 41 16 00-0065 LF 15" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	40.95	8.80
<i>For Full Perforated, Add</i>	<i>2.34</i>	
33 41 16 00-0066 LF 18" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	46.43	9.12
<i>For Full Perforated, Add</i>	<i>2.82</i>	
33 41 16 00-0067 LF 21" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	52.99	9.84
<i>For Full Perforated, Add</i>	<i>3.33</i>	
33 41 16 00-0068 Prefabricated Composite Drains <small>(33 41 16)</small>		
33 41 16 00-0069 Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) <small>(33 41 16 00-0068)</small>		
<i>Note: Excludes excavation and backfill. See CSI section 31 23 16 13-0000 for excavation and backfill.</i>		

33	Utilities
33 40	Stormwater Utilities
33 41	Subdrainage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41	16 00-0070	LF	12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	7.26	1.78
			<i>For External Typar Geotextile Wrap, Add</i>	1.16	
33 41	16 00-0071	EA	Coupler For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	31.62	
33 41	16 00-0072	EA	End Cap For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	31.62	
33 41	16 00-0073	EA	Side Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	58.54	
33 41	16 00-0074	EA	End Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	58.54	
33 41	16 00-0075	LF	18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	11.27	2.23
			<i>For External Typar Geotextile Wrap, Add</i>	1.74	
33 41	16 00-0076	EA	Coupler For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	45.44	
33 41	16 00-0077	EA	End Cap For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	45.44	
33 41	16 00-0078	EA	Side Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	65.49	
33 41	16 00-0079	EA	End Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	65.49	

33 41 19 Underslab Drainage (33 41)

33 41	19 00-0001		Capillary Water Barrier Underslab Drainage (33 41 19)		
			Note: Consists of a layer of fine granular material overlying a coarse layer.		
33 41	19 00-0002	CY	2" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage.....	25.56	
33 41	19 00-0003	CY	4" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage.....	23.48	
33 41	19 00-0004	CY	6" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage.....	22.65	
33 41	19 00-0005	CY	8" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage.....	21.40	

33 42 Stormwater Conveyance (33 40)

Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 42 11 Stormwater Gravity Piping (33 42)

33 42	11 00-0001		Reinforced Concrete Piping (33 42 11)		
33 42	11 00-0002		Class 3 Reinforced Concrete Pipe Without Gaskets (33 42 11 00-0001)		
33 42	11 00-0003	LF	12" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	37.17	13.09
			<i>For >1,000, Deduct</i>	-1.86	
			<i>For Class 4, Add</i>	1.75	
			<i>For Class 5, Add</i>	3.69	
33 42	11 00-0004	LF	15" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	44.46	14.56
			<i>For >1,000, Deduct</i>	-2.22	
			<i>For Class 4, Add</i>	2.25	
			<i>For Class 5, Add</i>	4.73	
33 42	11 00-0005	LF	18" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	50.82	18.16
			<i>For >1,000, Deduct</i>	-2.54	
			<i>For Class 4, Add</i>	2.36	
			<i>For Class 5, Add</i>	4.98	
33 42	11 00-0006	LF	21" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	65.06	22.91
			<i>For >1,000, Deduct</i>	-3.25	
			<i>For Class 4, Add</i>	3.07	
			<i>For Class 5, Add</i>	6.47	
33 42	11 00-0007	LF	24" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	76.33	27.82
			<i>For >1,000, Deduct</i>	-3.82	
			<i>For Class 4, Add</i>	3.48	
			<i>For Class 5, Add</i>	7.32	
33 42	11 00-0008	LF	27" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	96.52	35.23
			<i>For >1,000, Deduct</i>	-4.83	
			<i>For Class 4, Add</i>	4.39	
			<i>For Class 5, Add</i>	9.24	
33 42	11 00-0009	LF	30" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	102.54	36.38
			<i>For >1,000, Deduct</i>	-5.13	
			<i>For Class 4, Add</i>	4.75	
			<i>For Class 5, Add</i>	9.99	
33 42	11 00-0010	LF	36" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	126.21	41.34
			<i>For >1,000, Deduct</i>	-6.31	
			<i>For Class 4, Add</i>	6.44	
			<i>For Class 5, Add</i>	13.55	
33 42	11 00-0011	LF	42" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	162.36	45.47
			<i>For >1,000, Deduct</i>	-8.12	
			<i>For Class 4, Add</i>	9.31	
			<i>For Class 5, Add</i>	19.61	
33 42	11 00-0012	LF	48" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	193.93	50.64
			<i>For >1,000, Deduct</i>	-9.70	
			<i>For Class 4, Add</i>	11.55	
			<i>For Class 5, Add</i>	24.32	
33 42	11 00-0013	LF	54" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	240.56	57.88
			<i>For >1,000, Deduct</i>	-12.03	
			<i>For Class 4, Add</i>	15.00	
			<i>For Class 5, Add</i>	31.58	
33 42	11 00-0014	LF	60" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	290.08	67.14
			<i>For >1,000, Deduct</i>	-14.50	
			<i>For Class 4, Add</i>	18.45	
			<i>For Class 5, Add</i>	38.83	
33 42	11 00-0015	LF	66" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	442.68	74.41
			<i>For >1,000, Deduct</i>	-22.13	
			<i>For Class 4, Add</i>	32.00	
			<i>For Class 5, Add</i>	67.37	



Utilities	33	CS
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0016 LF 72" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	515.65	81.03
For >1,000, Deduct	-25.78	
For Class 4, Add	37.99	
For Class 5, Add	79.98	
33 42 11 00-0017 LF 78" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	619.15	90.95
For >1,000, Deduct	-30.96	
For Class 4, Add	46.45	
For Class 5, Add	97.78	
33 42 11 00-0018 LF 84" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	795.11	101.28
For >1,000, Deduct	-39.76	
For Class 4, Add	61.79	
For Class 5, Add	130.08	
33 42 11 00-0019 HE-I Elliptical Reinforced Concrete Piping Without Gaskets (33 42 11 00-0001)		
33 42 11 00-0020 LF 12" x 18" Elliptical Reinforced Concrete Pipe Without Gaskets (15" Diameter Equivalent Round Size).....	55.75	20.55
For >1,000, Deduct	-2.79	
For Horizontal Elliptical - II (HE- II), Add	2.64	
For Horizontal Elliptical - III (HE- III), Add	5.81	
For Horizontal Elliptical - IV (HE- IV), Add	12.67	
33 42 11 00-0021 LF 14" x 23" Elliptical Reinforced Concrete Pipe Without Gaskets (18" Diameter Equivalent Round Size).....	88.34	24.15
For >1,000, Deduct	-4.42	
For Horizontal Elliptical - II (HE- II), Add	5.38	
For Horizontal Elliptical - III (HE- III), Add	11.84	
For Horizontal Elliptical - IV (HE- IV), Add	25.84	
33 42 11 00-0022 LF 19" x 30" Elliptical Reinforced Concrete Pipe Without Gaskets (24" Diameter Equivalent Round Size).....	123.29	36.99
For >1,000, Deduct	-6.16	
For Horizontal Elliptical - II (HE- II), Add	7.04	
For Horizontal Elliptical - III (HE- III), Add	15.50	
For Horizontal Elliptical - IV (HE- IV), Add	33.81	
33 42 11 00-0023 LF 22" x 34" Elliptical Reinforced Concrete Pipe Without Gaskets (27" Diameter Equivalent Round Size).....	145.69	46.86
For >1,000, Deduct	-7.28	
For Horizontal Elliptical - II (HE- II), Add	7.88	
For Horizontal Elliptical - III (HE- III), Add	17.33	
For Horizontal Elliptical - IV (HE- IV), Add	37.80	
33 42 11 00-0024 LF 24" x 38" Elliptical Reinforced Concrete Pipe Without Gaskets (30" Diameter Equivalent Round Size).....	154.52	48.96
For >1,000, Deduct	-7.73	
For Horizontal Elliptical - II (HE- II), Add	8.46	
For Horizontal Elliptical - III (HE- III), Add	18.61	
For Horizontal Elliptical - IV (HE- IV), Add	40.60	
33 42 11 00-0025 LF 27" x 42" Elliptical Reinforced Concrete Pipe Without Gaskets (33" Diameter Equivalent Round Size).....	176.69	51.69
For >1,000, Deduct	-8.83	
For Horizontal Elliptical - II (HE- II), Add	10.29	
For Horizontal Elliptical - III (HE- III), Add	22.63	
For Horizontal Elliptical - IV (HE- IV), Add	49.37	
33 42 11 00-0026 LF 29" x 45" Elliptical Reinforced Concrete Pipe Without Gaskets (36" Diameter Equivalent Round Size).....	198.86	54.42
For >1,000, Deduct	-9.94	
For Horizontal Elliptical - II (HE- II), Add	12.11	
For Horizontal Elliptical - III (HE- III), Add	26.65	
For Horizontal Elliptical - IV (HE- IV), Add	58.14	
33 42 11 00-0027 LF 34" x 53" Elliptical Reinforced Concrete Pipe Without Gaskets (42" Diameter Equivalent Round Size).....	241.37	59.88
For >1,000, Deduct	-12.07	
For Horizontal Elliptical - II (HE- II), Add	15.58	
For Horizontal Elliptical - III (HE- III), Add	34.28	
For Horizontal Elliptical - IV (HE- IV), Add	74.79	
33 42 11 00-0028 LF 38" x 60" Elliptical Reinforced Concrete Pipe Without Gaskets (48" Diameter Equivalent Round Size).....	290.08	67.36
For >1,000, Deduct	-14.50	
For Horizontal Elliptical - II (HE- II), Add	19.39	
For Horizontal Elliptical - III (HE- III), Add	42.65	
For Horizontal Elliptical - IV (HE- IV), Add	93.05	
33 42 11 00-0029 LF 43" x 68" Elliptical Reinforced Concrete Pipe Without Gaskets (54" Diameter Equivalent Round Size).....	330.26	76.97
For >1,000, Deduct	-16.51	
For Horizontal Elliptical - II (HE- II), Add	22.03	
For Horizontal Elliptical - III (HE- III), Add	48.47	
For Horizontal Elliptical - IV (HE- IV), Add	105.74	
33 42 11 00-0030 LF 48" x 76" Elliptical Reinforced Concrete Pipe Without Gaskets (60" Diameter Equivalent Round Size).....	408.08	89.30
For >1,000, Deduct	-20.40	
For Horizontal Elliptical - II (HE- II), Add	28.05	
For Horizontal Elliptical - III (HE- III), Add	61.71	
For Horizontal Elliptical - IV (HE- IV), Add	134.65	
33 42 11 00-0031 LF 53" x 83" Elliptical Reinforced Concrete Pipe without Gaskets (66" Diameter Equivalent Round Size).....	465.22	98.40
33 42 11 00-0032 LF 58" x 91" Elliptical Reinforced Concrete Pipe without Gaskets (72" Diameter Equivalent Round Size).....	562.41	107.48
33 42 11 00-0033 LF 63" x 98" Elliptical Reinforced Concrete Pipe without Gaskets (78" Diameter Equivalent Round Size).....	670.67	121.54
33 42 11 00-0034 LF 68" x 106" Elliptical Reinforced Concrete Pipe without Gaskets (84" Diameter Equivalent Round Size).....	726.56	134.77
33 42 11 00-0035 LF 72" x 113" Elliptical Reinforced Concrete Pipe without Gaskets (90" Diameter Equivalent Round Size).....	925.74	141.39
33 42 11 00-0036 LF 77" x 121" Elliptical Reinforced Concrete Pipe without Gaskets (96" Diameter Equivalent Round Size).....	1,070.48	148.00
33 42 11 00-0037 Concrete Reducing Wye Without Gaskets (33 42 11 00-0001)		
33 42 11 00-0038 EA 12" Concrete Reducing Wye Without Gaskets	436.78	49.87
33 42 11 00-0039 EA 15" Concrete Reducing Wye Without Gaskets	523.95	60.77
33 42 11 00-0040 EA 18" Concrete Reducing Wye Without Gaskets	646.24	67.01
33 42 11 00-0041 EA 21" Concrete Reducing Wye Without Gaskets	742.58	82.59
33 42 11 00-0042 EA 24" Concrete Reducing Wye Without Gaskets	840.13	99.73

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0043			Concrete Pipe Joint Gaskets (33 42 11 00-0001)		
	EA		12" Diameter Concrete Pipe Joint Gasket.....	4.10	
	EA		15" Diameter Concrete Pipe Joint Gasket.....	4.85	
	EA		18" Diameter Concrete Pipe Joint Gasket.....	5.62	
	EA		21" Diameter Concrete Pipe Joint Gasket.....	6.79	
	EA		24" Diameter Concrete Pipe Joint Gasket.....	7.95	
	EA		27" Diameter Concrete Pipe Joint Gasket.....	8.86	
	EA		30" Diameter Concrete Pipe Joint Gasket.....	9.74	
	EA		36" Diameter Concrete Pipe Joint Gasket.....	11.89	
	EA		42" Diameter Concrete Pipe Joint Gasket.....	13.79	
	EA		48" Diameter Concrete Pipe Joint Gasket.....	15.90	
	EA		54" Diameter Concrete Pipe Joint Gasket.....	19.49	
	EA		60" Diameter Concrete Pipe Joint Gasket.....	28.86	
	EA		66" Diameter Concrete Pipe Joint Gasket.....	29.99	
	EA		72" Diameter Concrete Pipe Joint Gasket.....	31.10	
	EA		78" Diameter Concrete Pipe Joint Gasket.....	35.82	
	EA		84" Diameter Concrete Pipe Joint Gasket.....	42.94	
33 42 11 00-0060			Precast Concrete Cut Off Wall (33 42 11 00-0001)		
	EA		12" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	219.74	145.52
	EA		15" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	270.94	180.24
	EA		18" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	335.37	228.20
	EA		21" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	396.50	272.85
	EA		24" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	455.89	315.76
	EA		27" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	560.08	403.48
	EA		30" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	728.85	555.62
	EA		36" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	907.47	701.14
	EA		42" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	1,118.70	879.56
	EA		48" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	1,251.13	991.36
	EA		54" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	1,396.25	1,111.24
	EA		60" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	1,543.19	1,234.43
	EA		66" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	1,603.68	1,281.56
	EA		72" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	1,656.90	1,322.91
	EA		78" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	1,710.11	1,364.24
	EA		84" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	1,764.81	1,405.58
33 42 11 00-0077			Strap Assembly (33 42 11 00-0001)		
			Note: Includes drilling holes in concrete pipe, setting threaded rod, bolts, and mounting the 12' strap.		
	EA		Up To 24" Diameter Pipe, 12' Strap Assembly.....	169.62	
	EA		>24" Diameter Pipe, 12' Strap Assembly.....	238.22	
33 42 11 00-0080			Prestressed Concrete Cylinder Piping (33 42 11)		
33 42 11 00-0081			150 PSI Prestressed Concrete Cylinder Pipe And Fittings (33 42 11 00-0080)		
33 42 11 00-0082			150 PSI Prestressed Concrete Cylinder Pipe With Gaskets (33 42 11 00-0081)		
			Note: Lined-cylinder pipe (AWWA C301) up to 48". Embedded-cylinder pipe (AWWA C301) >48".		
	LF		12" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	98.29	13.09
			For >1,000, Deduct	-4.91	
			For 100 PSI, Deduct	-19.90	
	LF		15" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	105.00	14.56
			For >1,000, Deduct	-5.25	
			For 100 PSI, Deduct	-21.05	
	LF		18" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	114.75	18.16
			For >1,000, Deduct	-5.74	
			For 100 PSI, Deduct	-22.20	
	LF		21" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	126.14	22.91
			For >1,000, Deduct	-6.31	
			For 100 PSI, Deduct	-23.36	
	LF		24" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	137.77	27.82
			For >1,000, Deduct	-6.89	
			For 100 PSI, Deduct	-24.51	
	LF		30" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	162.34	36.38
			For >1,000, Deduct	-8.12	
			For 100 PSI, Deduct	-27.44	
	LF		36" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	179.95	41.34
			For >1,000, Deduct	-9.00	
			For 100 PSI, Deduct	-30.37	
	LF		42" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	208.44	45.47
			For >1,000, Deduct	-10.42	
			For 100 PSI, Deduct	-36.03	
	LF		48" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	239.07	50.64
			For >1,000, Deduct	-11.95	
			For 100 PSI, Deduct	-41.68	
	LF		54" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	315.47	64.82
			For >1,000, Deduct	-15.77	
			For 100 PSI, Deduct	-55.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0093 LF 60" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For >1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	379.71 -18.99 -68.08	75.19
33 42 11 00-0094 LF 66" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For >1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	426.43 -21.32 -76.98	83.33
33 42 11 00-0095 LF 72" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For >1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	475.24 -23.76 -86.40	90.75
33 42 11 00-0096 LF 78" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For >1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	539.61 -26.98 -98.45	101.85
33 42 11 00-0097 LF 84" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For >1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	604.00 -30.20 -110.49	113.42
33 42 11 00-0098 LF 90" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For >1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	744.89 -37.24 -138.77	132.41
33 42 11 00-0099 LF 96" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For >1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	875.82 -43.79 -164.95	151.21
33 42 11 00-0100 LF 102" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For >1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	1,018.16 -50.91 -196.37	162.88
33 42 11 00-0101 LF 108" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For >1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	1,147.77 -57.39 -225.17	172.96
33 42 11 00-0102 LF 114" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For >1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	1,382.10 -69.11 -280.15	183.04
33 42 11 00-0103 LF 120" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For >1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	1,604.75 -80.24 -332.52	192.28
33 42 11 00-0104 LF 126" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For >1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	1,747.81 -87.39 -364.99	201.52
33 42 11 00-0105 LF 132" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For >1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	1,892.96 -94.65 -397.98	210.74
33 42 11 00-0106 LF 138" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For >1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	2,037.07 -101.85 -430.70	219.98
33 42 11 00-0107 LF 144" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For >1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	2,181.17 -109.06 -463.43	229.21
33 42 11 00-0108 150 PSI Prestressed Concrete Cylinder 90 Degree Elbows With Gaskets ⁽³³⁾ <small>^{42 11 00-0081)}</small>		
33 42 11 00-0109 EA 12" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	352.25	122.72
33 42 11 00-0110 EA 15" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	488.86	175.31
33 42 11 00-0111 EA 18" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	630.87	233.74
33 42 11 00-0112 EA 21" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	772.87	292.19
33 42 11 00-0113 EA 24" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	940.58	363.08
33 42 11 00-0114 EA 30" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,201.74	486.97
33 42 11 00-0115 EA 36" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,492.45	578.77
33 42 11 00-0116 EA 42" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,738.51	675.51
33 42 11 00-0117 EA 48" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,960.21	771.42
33 42 11 00-0118 EA 54" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,415.05	963.24
33 42 11 00-0119 EA 60" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,152.86	1,296.31
33 42 11 00-0120 EA 66" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,517.79	1,435.20
33 42 11 00-0121 EA 72" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,882.73	1,574.09
33 42 11 00-0122 EA 78" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,645.82	1,805.57
33 42 11 00-0123 EA 84" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	5,403.81	2,037.06
33 42 11 00-0124 EA 90" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	6,384.74	2,314.84
33 42 11 00-0125 EA 96" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	7,360.54	2,592.62
33 42 11 00-0126 EA 102" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	9,753.31	3,274.48
33 42 11 00-0127 EA 108" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	12,123.71	3,929.38
33 42 11 00-0128 EA 114" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	15,788.27	5,239.17
33 42 11 00-0129 EA 120" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	19,390.85	6,548.96
33 42 11 00-0130 EA 126" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	21,805.87	7,063.52
33 42 11 00-0131 EA 132" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	24,224.36	7,578.08
33 42 11 00-0132 EA 138" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	31,187.65	8,092.65
33 42 11 00-0133 EA 144" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	29,109.37	8,607.20
33 42 11 00-0134 150 PSI Prestressed Concrete Cylinder 45 Degree Elbows With Gaskets ⁽³³⁾ <small>^{42 11 00-0081)}</small>		
33 42 11 00-0135 EA 12" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	330.89	122.72
33 42 11 00-0136 EA 15" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	461.21	175.31
33 42 11 00-0137 EA 18" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	598.19	233.74
33 42 11 00-0138 EA 21" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	735.17	292.19
33 42 11 00-0139 EA 24" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	897.85	363.08
33 42 11 00-0140 EA 30" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,143.10	454.25

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0141 EA 36" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,425.42	578.77
33 42 11 00-0142 EA 42" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,661.01	675.51
33 42 11 00-0143 EA 48" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,876.84	771.42
33 42 11 00-0144 EA 54" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,292.52	963.24
33 42 11 00-0145 EA 60" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,040.03	1,296.31
33 42 11 00-0146 EA 66" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,396.78	1,435.20
33 42 11 00-0147 EA 72" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,753.54	1,574.09
33 42 11 00-0148 EA 78" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,344.26	1,805.57
33 42 11 00-0149 EA 84" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,929.88	2,037.06
33 42 11 00-0150 EA 90" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	5,786.64	2,314.84
33 42 11 00-0151 EA 96" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	6,638.28	2,592.62
33 42 11 00-0152 EA 102" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	8,621.97	3,240.78
33 42 11 00-0153 EA 108" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	10,718.10	3,929.38
33 42 11 00-0154 EA 114" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	14,040.68	5,239.17
33 42 11 00-0155 EA 120" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	17,301.28	6,548.96
33 42 11 00-0156 EA 126" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	19,256.22	7,063.52
33 42 11 00-0157 EA 132" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	21,214.63	8,607.20
33 42 11 00-0158 EA 138" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	23,178.97	8,092.65
33 42 11 00-0159 EA 144" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	25,396.27	8,607.20
33 42 11 00-0160 400 PSI Prestressed Concrete Cylinder Pipe With Regular Joints (33 42 11 00-0080)		
33 42 11 00-0161 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints (33 42 11 00-0160)		
Note: AWWA C301		
33 42 11 00-0162 LF 30" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints.....	189.89	36.38
For >1,000, Deduct	-9.49	
33 42 11 00-0163 LF 36" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints.....	230.82	41.34
For >1,000, Deduct	-11.54	
33 42 11 00-0164 LF 42" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints.....	268.83	45.47
For >1,000, Deduct	-13.44	
33 42 11 00-0165 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints (33 42 11 00-0160)		
Note: AWWA C301		
33 42 11 00-0166 LF 48" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	360.39	50.60
For >1,000, Deduct	-18.02	
33 42 11 00-0167 LF 54" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	431.91	64.82
For >1,000, Deduct	-21.60	
33 42 11 00-0168 LF 60" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	497.98	75.19
For >1,000, Deduct	-24.90	
33 42 11 00-0169 LF 66" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	560.35	83.33
For >1,000, Deduct	-28.02	
33 42 11 00-0170 LF 72" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	677.08	90.75
For >1,000, Deduct	-33.85	
33 42 11 00-0171 Welded Joints For Prestressed Concrete Cylinder Pipe (33 42 11 00-0160)		
Note: All pipe joints to be exposed and dewatered. Internal joint welding also requires joints to be ventilated and air quality checked.		
33 42 11 00-0172 EA 30" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,308.69	
33 42 11 00-0173 EA 36" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,405.64	
33 42 11 00-0174 EA 42" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,454.11	
33 42 11 00-0175 EA 48" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,647.99	
33 42 11 00-0176 EA 54" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,696.46	
33 42 11 00-0177 EA 60" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,793.40	
33 42 11 00-0178 EA 66" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,841.87	
33 42 11 00-0179 EA 72" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,890.34	
33 42 11 00-0180 EA 30" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,423.51	
33 42 11 00-0181 EA 36" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,423.51	
33 42 11 00-0182 EA 42" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,762.80	
33 42 11 00-0183 EA 48" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,762.80	
33 42 11 00-0184 EA 54" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,956.68	
33 42 11 00-0185 EA 60" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,956.68	
33 42 11 00-0186 EA 66" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,199.03	
33 42 11 00-0187 EA 72" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,199.03	
33 42 11 00-0188 Quick Test Joints (33 42 11 00-0160)		
33 42 11 00-0189 EA 30" Quick Test Joint.....	358.80	
33 42 11 00-0190 EA 36" Quick Test Joint.....	362.94	
33 42 11 00-0191 EA 42" Quick Test Joint.....	367.07	
33 42 11 00-0192 EA 48" Quick Test Joint.....	375.23	
33 42 11 00-0193 EA 54" Quick Test Joint.....	394.65	
33 42 11 00-0194 EA 60" Quick Test Joint.....	410.62	
33 42 11 00-0195 EA 66" Quick Test Joint.....	433.30	
33 42 11 00-0196 EA 72" Quick Test Joint.....	455.98	
33 42 11 00-0197 Harnessed Joints (33 42 11 00-0160)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0198 Harness Clamp Restrained Joints <small>(33 42 11 00-0197)</small>		
33 42 11 00-0199 EA 30" Harness Clamp Restrained Joint.....	2,242.16	
33 42 11 00-0200 EA 36" Harness Clamp Restrained Joint.....	2,330.00	
33 42 11 00-0201 EA 42" Harness Clamp Restrained Joint.....	2,417.82	
33 42 11 00-0202 EA 48" Harness Clamp Restrained Joint.....	2,505.65	
33 42 11 00-0203 EA 54" Harness Clamp Restrained Joint.....	2,603.40	
33 42 11 00-0204 EA 60" Harness Clamp Restrained Joint.....	2,738.19	
33 42 11 00-0205 EA 66" Harness Clamp Restrained Joint.....	2,831.14	
33 42 11 00-0206 EA 72" Harness Clamp Restrained Joint.....	3,032.90	
33 42 11 00-0207 Snap Ring Restrained Joints <small>(33 42 11 00-0197)</small>		
33 42 11 00-0208 EA 30" Snap Ring Restrained Joint.....	400.91	
33 42 11 00-0209 EA 36" Snap Ring Restrained Joint.....	455.27	
33 42 11 00-0210 EA 42" Snap Ring Restrained Joint.....	601.68	
33 42 11 00-0211 EA 48" Snap Ring Restrained Joint.....	681.14	
33 42 11 00-0212 EA 54" Snap Ring Restrained Joint.....	770.52	
33 42 11 00-0213 EA 60" Snap Ring Restrained Joint.....	871.83	
33 42 11 00-0214 EA 66" Snap Ring Restrained Joint.....	964.78	
33 42 11 00-0215 EA 72" Snap Ring Restrained Joint.....	1,074.47	
33 42 11 00-0216 Pipe Repairs <small>(33 42 11 00-0160)</small>		
Note: For repair of damaged or defective lined or embedded cylinder concrete pipe. Includes 2 concrete adapters, MJD sleeve, 20' pipe.		
33 42 11 00-0217 Lined Cylinder Pipe Repair <small>(33 42 11 00-0216)</small>		
33 42 11 00-0218 EA 30" Lined Cylinder Pipe Repair.....	5,090.57	
33 42 11 00-0219 EA 36" Lined Cylinder Pipe Repair.....	6,309.55	
33 42 11 00-0220 EA 42" Lined Cylinder Pipe Repair.....	7,346.23	
33 42 11 00-0221 Embedded Cylinder Pipe Repair <small>(33 42 11 00-0216)</small>		
Note: Field welded concrete enclosure assembly with concrete pipe.		
33 42 11 00-0222 EA 48" Embedded Cylinder Pipe Repair.....	10,858.49	
33 42 11 00-0223 EA 54" Embedded Cylinder Pipe Repair.....	12,598.47	
33 42 11 00-0224 EA 60" Embedded Cylinder Pipe Repair.....	14,352.32	
33 42 11 00-0225 EA 66" Embedded Cylinder Pipe Repair.....	16,213.93	
33 42 11 00-0226 EA 72" Embedded Cylinder Pipe Repair.....	19,461.09	
33 42 11 00-0227 High Density Polyethylene (HDPE) Drainage Piping <small>(33 42 11)</small>		
33 42 11 00-0228 Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0227)</small>		
Note: Excludes couplings and gaskets.		
33 42 11 00-0229 Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0228)</small>		
33 42 11 00-0230 LF 4" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	11.92	5.35
For <100, Add	2.14	
For >1,000, Deduct	-0.60	
33 42 11 00-0231 LF 6" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	15.52	6.23
For <100, Add	2.49	
For >1,000, Deduct	-0.78	
33 42 11 00-0232 LF 8" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	19.06	7.25
For <100, Add	2.90	
For >1,000, Deduct	-0.95	
33 42 11 00-0233 LF 10" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	21.61	7.50
For <100, Add	3.00	
For >1,000, Deduct	-1.08	
33 42 11 00-0234 LF 12" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	22.70	7.76
For <100, Add	3.10	
For >1,000, Deduct	-1.14	
33 42 11 00-0235 LF 15" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	25.70	8.04
For <100, Add	3.21	
For >1,000, Deduct	-1.29	
33 42 11 00-0236 LF 18" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	31.01	8.34
For <100, Add	3.33	
For >1,000, Deduct	-1.55	
33 42 11 00-0237 LF 24" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	42.38	9.76
For <100, Add	3.90	
For >1,000, Deduct	-2.12	
33 42 11 00-0238 LF 30" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	60.05	13.14
For <100, Add	5.26	
For >1,000, Deduct	-3.00	
33 42 11 00-0239 LF 36" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	78.87	16.60
For <100, Add	6.64	
For >1,000, Deduct	-3.94	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0240			Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0228)</small>		
33 42 11 00-0241	LF		12" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	22.57	7.76
			<i>For <100, Add</i>	3.10	
			<i>For >1,000, Deduct</i>	-1.13	
33 42 11 00-0242	LF		15" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	26.20	8.04
			<i>For <100, Add</i>	3.21	
			<i>For >1,000, Deduct</i>	-1.31	
33 42 11 00-0243	LF		18" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	31.77	8.34
			<i>For <100, Add</i>	3.33	
			<i>For >1,000, Deduct</i>	-1.59	
33 42 11 00-0244	LF		24" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	43.58	9.76
			<i>For <100, Add</i>	3.90	
			<i>For >1,000, Deduct</i>	-2.18	
33 42 11 00-0245	LF		30" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	63.35	13.14
			<i>For <100, Add</i>	5.26	
			<i>For >1,000, Deduct</i>	-3.17	
33 42 11 00-0246	LF		36" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	81.32	16.60
			<i>For <100, Add</i>	6.64	
			<i>For >1,000, Deduct</i>	-4.07	
33 42 11 00-0247	LF		42" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	105.68	18.11
			<i>For <100, Add</i>	7.25	
			<i>For >1,000, Deduct</i>	-5.28	
33 42 11 00-0248	LF		48" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	115.30	20.43
			<i>For <100, Add</i>	8.17	
			<i>For >1,000, Deduct</i>	-5.77	
33 42 11 00-0249			Single Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0227)</small> Note: Excludes couplings and gaskets.		
33 42 11 00-0250			Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0249)</small>		
33 42 11 00-0251	LF		4" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	11.46	5.35
			<i>For <100, Add</i>	2.14	
			<i>For >1,000, Deduct</i>	-0.57	
33 42 11 00-0252	LF		6" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	14.11	6.23
			<i>For <100, Add</i>	2.49	
			<i>For >1,000, Deduct</i>	-0.71	
33 42 11 00-0253	LF		8" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	17.39	7.25
			<i>For <100, Add</i>	2.90	
			<i>For >1,000, Deduct</i>	-0.87	
33 42 11 00-0254	LF		10" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	20.38	7.50
			<i>For <100, Add</i>	3.00	
			<i>For >1,000, Deduct</i>	-1.02	
33 42 11 00-0255	LF		12" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	22.23	7.76
			<i>For <100, Add</i>	3.10	
			<i>For >1,000, Deduct</i>	-1.11	
33 42 11 00-0256	LF		15" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	25.84	8.04
			<i>For <100, Add</i>	3.21	
			<i>For >1,000, Deduct</i>	-1.29	
33 42 11 00-0257	LF		18" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	31.96	8.34
			<i>For <100, Add</i>	3.33	
			<i>For >1,000, Deduct</i>	-1.60	
33 42 11 00-0258	LF		24" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	43.41	9.76
			<i>For <100, Add</i>	3.90	
			<i>For >1,000, Deduct</i>	-2.17	
33 42 11 00-0259			Perforated, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0227)</small> Note: Excludes couplings and gaskets.		
33 42 11 00-0260			Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0259)</small>		
33 42 11 00-0261	LF		4" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	12.56	5.35
			<i>For <100, Add</i>	2.14	
			<i>For >1,000, Deduct</i>	-0.63	
33 42 11 00-0262	LF		6" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	15.54	6.23
			<i>For <100, Add</i>	2.49	
			<i>For >1,000, Deduct</i>	-0.78	
33 42 11 00-0263	LF		8" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	19.06	7.25
			<i>For <100, Add</i>	2.90	
			<i>For >1,000, Deduct</i>	-0.95	
33 42 11 00-0264	LF		10" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	21.63	7.50
			<i>For <100, Add</i>	3.00	
			<i>For >1,000, Deduct</i>	-1.08	
33 42 11 00-0265	LF		12" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	22.70	7.76
			<i>For <100, Add</i>	3.10	
			<i>For >1,000, Deduct</i>	-1.14	
33 42 11 00-0266	LF		15" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	25.72	8.04
			<i>For <100, Add</i>	3.21	
			<i>For >1,000, Deduct</i>	-1.29	



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Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0267 LF 18" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	31.03	8.34
For <100, Add	3.33	
For >1,000, Deduct	-1.55	
33 42 11 00-0268 LF 24" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	42.38	9.76
For <100, Add	3.90	
For >1,000, Deduct	-2.12	
33 42 11 00-0269 LF 30" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	60.26	13.14
For <100, Add	5.26	
For >1,000, Deduct	-3.01	
33 42 11 00-0270 LF 36" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	78.87	16.60
For <100, Add	6.64	
For >1,000, Deduct	-3.94	
33 42 11 00-0271 Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 42 11 00-0259)		
33 42 11 00-0272 LF 12" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	22.59	7.76
For <100, Add	3.10	
For >1,000, Deduct	-1.13	
33 42 11 00-0273 LF 15" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	26.22	8.04
For <100, Add	3.21	
For >1,000, Deduct	-1.31	
33 42 11 00-0274 LF 18" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	31.79	8.34
For <100, Add	3.33	
For >1,000, Deduct	-1.59	
33 42 11 00-0275 LF 24" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	43.58	9.76
For <100, Add	3.90	
For >1,000, Deduct	-2.18	
33 42 11 00-0276 LF 30" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	63.35	13.14
For <100, Add	5.26	
For >1,000, Deduct	-3.17	
33 42 11 00-0277 LF 36" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	81.32	16.60
For <100, Add	6.64	
For >1,000, Deduct	-4.07	
33 42 11 00-0278 LF 42" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	105.68	18.11
For <100, Add	7.25	
For >1,000, Deduct	-5.28	
33 42 11 00-0279 LF 48" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	115.30	20.43
For <100, Add	8.17	
For >1,000, Deduct	-5.77	
33 42 11 00-0280 Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 42 11 00-0259)		
33 42 11 00-0281 LF 4" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	11.86	5.35
For <100, Add	2.14	
For >1,000, Deduct	-0.59	
33 42 11 00-0282 LF 6" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	14.11	6.23
For <100, Add	2.49	
For >1,000, Deduct	-0.71	
33 42 11 00-0283 LF 8" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	17.31	7.25
For <100, Add	2.90	
For >1,000, Deduct	-0.87	
33 42 11 00-0284 LF 10" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	20.38	7.50
For <100, Add	3.00	
For >1,000, Deduct	-1.02	
33 42 11 00-0285 LF 12" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	22.23	7.76
For <100, Add	3.10	
For >1,000, Deduct	-1.11	
33 42 11 00-0286 LF 15" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	25.84	8.04
For <100, Add	3.21	
For >1,000, Deduct	-1.29	
33 42 11 00-0287 LF 18" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	31.96	8.34
For <100, Add	3.33	
For >1,000, Deduct	-1.60	
33 42 11 00-0288 LF 24" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	43.41	9.76
For <100, Add	3.90	
For >1,000, Deduct	-2.17	
33 42 11 00-0289 Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings (33 42 11 00-0227)		
Note: Excludes couplings and gaskets.		
33 42 11 00-0290 Tees, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) (33 42 11 00-0289)		

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0291 EA 4" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	50.37	19.14
33 42 11 00-0292 EA 6" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	63.15	22.34
33 42 11 00-0293 EA 8" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	101.30	27.13
33 42 11 00-0294 EA 10" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	153.93	33.51
33 42 11 00-0295 EA 12" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	241.93	39.89
33 42 11 00-0296 EA 15" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	341.14	52.13
33 42 11 00-0297 EA 18" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	490.24	70.20
33 42 11 00-0298 EA 24" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	627.54	80.14
33 42 11 00-0299 EA 30" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,093.02	92.55
33 42 11 00-0300 EA 36" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,402.89	106.90
33 42 11 00-0301 EA 42" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	2,331.73	127.65
33 42 11 00-0302 EA 48" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	2,926.06	151.58
33 42 11 00-0303 Wyes, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 42 11 00-0289)</small>		
33 42 11 00-0304 EA 4" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	73.15	19.14
33 42 11 00-0305 EA 6" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	88.15	22.34
33 42 11 00-0306 EA 8" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	117.08	27.13
33 42 11 00-0307 EA 10" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	171.33	33.51
33 42 11 00-0308 EA 12" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	297.90	39.89
33 42 11 00-0309 EA 15" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	323.96	52.13
33 42 11 00-0310 EA 18" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	456.84	70.20
33 42 11 00-0311 22-1/2 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 42 11 00-0289)</small>		
33 42 11 00-0312 EA 4" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	30.71	12.76
33 42 11 00-0313 EA 6" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	37.84	14.90
33 42 11 00-0314 EA 8" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	54.90	18.08
33 42 11 00-0315 EA 10" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	69.06	22.34
33 42 11 00-0316 EA 12" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	99.72	26.59
33 42 11 00-0317 EA 15" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	156.90	34.04
33 42 11 00-0318 EA 18" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	208.07	46.80
33 42 11 00-0319 EA 24" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	391.95	53.18
33 42 11 00-0320 EA 30" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	543.61	61.69
33 42 11 00-0321 EA 36" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	636.95	71.27
33 42 11 00-0322 EA 42" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	813.50	85.10
33 42 11 00-0323 EA 48" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,098.60	101.06
33 42 11 00-0324 45 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 42 11 00-0289)</small>		
33 42 11 00-0325 EA 4" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	33.20	12.76
33 42 11 00-0326 EA 6" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	43.03	14.90
33 42 11 00-0327 EA 8" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	57.56	18.08
33 42 11 00-0328 EA 10" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	90.63	22.34
33 42 11 00-0329 EA 12" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	99.72	26.59
33 42 11 00-0330 EA 15" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	156.47	34.04
33 42 11 00-0331 EA 18" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	242.85	46.80
33 42 11 00-0332 EA 24" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	418.82	53.18
33 42 11 00-0333 EA 30" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	544.88	61.69
33 42 11 00-0334 EA 36" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	694.85	71.27
33 42 11 00-0335 EA 42" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,037.00	85.10
33 42 11 00-0336 EA 48" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,298.91	101.06
33 42 11 00-0337 Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings <small>(33 42 11 00-0227)</small>		
Note: Excludes couplings and gaskets.		
33 42 11 00-0338 Tees, Single Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 42 11 00-0337)</small>		
33 42 11 00-0339 EA 4" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	35.04	19.14
33 42 11 00-0340 EA 6" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	41.62	22.34
33 42 11 00-0341 EA 8" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	66.73	27.13
33 42 11 00-0342 EA 10" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	85.55	33.51
33 42 11 00-0343 EA 12" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	126.13	39.89
33 42 11 00-0344 EA 15" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	270.79	52.13
33 42 11 00-0345 EA 18" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	324.51	70.20
33 42 11 00-0346 EA 24" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	609.20	79.78
33 42 11 00-0347 Wyes, Single Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 42 11 00-0337)</small>		
33 42 11 00-0348 EA 4" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE)	35.98	19.14
33 42 11 00-0349 EA 6" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE)	44.70	22.34
33 42 11 00-0350 EA 8" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE)	98.98	27.13
33 42 11 00-0351 45 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 42 11 00-0337)</small>		



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Stormwater Utilities	33 40	
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0352 EA 4" 45 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	23.67	12.76
33 42 11 00-0353 90 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 42 11 00-0337)</small>		
33 42 11 00-0354 EA 4" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	24.66	12.76
33 42 11 00-0355 EA 6" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	31.74	14.90
33 42 11 00-0356 EA 8" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	46.79	18.08
33 42 11 00-0357 EA 10" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	61.52	22.34
33 42 11 00-0358 Couplings And End Caps, Corrugated High Density Polyethylene (HDPE) Pipe <small>(33 42 11 00-0227)</small>		
Note: For single and double wall high density polyethylene (HDPE) piping.		
33 42 11 00-0359 Couplings, Corrugated High Density Polyethylene (HDPE) Pipe <small>(33 42 11 00-0358)</small>		
33 42 11 00-0360 EA 4" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	1.49	
33 42 11 00-0361 EA 6" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	2.67	
33 42 11 00-0362 EA 8" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	4.11	
33 42 11 00-0363 EA 10" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	5.05	
33 42 11 00-0364 EA 12" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	5.43	
33 42 11 00-0365 EA 15" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	7.73	
33 42 11 00-0366 EA 18" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	11.44	
33 42 11 00-0367 EA 24" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	18.21	
33 42 11 00-0368 EA 30" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	27.95	
33 42 11 00-0369 EA 36" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	36.58	
33 42 11 00-0370 EA 42" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	57.51	
33 42 11 00-0371 EA 48" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	77.78	
33 42 11 00-0372 Self Adhering Gaskets, Corrugated High Density Polyethylene (HDPE) Pipe <small>(33 42 11 00-0358)</small>		
33 42 11 00-0373 EA 4" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	78.75	
33 42 11 00-0374 EA 6" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	82.46	
33 42 11 00-0375 EA 8" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	86.34	
33 42 11 00-0376 EA 10" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	90.40	
33 42 11 00-0377 EA 12" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	107.22	
33 42 11 00-0378 EA 15" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	110.70	
33 42 11 00-0379 EA 18" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	115.46	
33 42 11 00-0380 EA 24" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	131.51	
33 42 11 00-0381 EA 30" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	210.82	
33 42 11 00-0382 EA 36" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	230.92	
33 42 11 00-0383 EA 42" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	251.61	
33 42 11 00-0384 EA 48" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	305.58	
33 42 11 00-0385 End Caps, Corrugated High Density Polyethylene (HDPE) Pipe <small>(33 42 11 00-0358)</small>		
33 42 11 00-0386 EA 6" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	22.46	
33 42 11 00-0387 EA 8" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	25.95	
33 42 11 00-0388 EA 10" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	39.54	
33 42 11 00-0389 EA 12" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	64.36	
33 42 11 00-0390 EA 15" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	74.40	
33 42 11 00-0391 EA 18" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	99.17	
33 42 11 00-0392 EA 24" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	103.37	
33 42 11 00-0393 Corrugated Metal Piping <small>(33 42 11)</small>		
33 42 11 00-0394 Galvanized Corrugated Steel Piping <small>(33 42 11 00-0393)</small>		
33 42 11 00-0395 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0394)</small>		
33 42 11 00-0396 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0395)</small>		
33 42 11 00-0397 LF 12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	28.20	8.18
For Bituminous Coated Pipe, Add	2.71	
For Bituminous Coated And 25% Paved, Add	5.54	
For Smooth-Flo, Add	9.90	
33 42 11 00-0398 LF 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	31.70	8.57
For Bituminous Coated Pipe, Add	3.41	
For Bituminous Coated And 25% Paved, Add	6.98	
For Smooth-Flo, Add	12.46	
33 42 11 00-0399 LF 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	35.33	9.35
For Bituminous Coated Pipe, Add	4.13	
For Bituminous Coated And 25% Paved, Add	8.45	
For Smooth-Flo, Add	15.10	
33 42 11 00-0400 LF 21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	40.11	10.13
For Bituminous Coated Pipe, Add	4.94	
For Bituminous Coated And 25% Paved, Add	10.11	
For Smooth-Flo, Add	18.06	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0401	LF	24"	16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	44.36	10.90
			<i>For Bituminous Coated Pipe, Add</i>	5.56	
			<i>For Bituminous Coated And 25% Paved, Add</i>	11.38	
			<i>For Smooth-Flo, Add</i>	20.32	
33 42 11 00-0402	LF	30"	16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	58.60	14.02
			<i>For Bituminous Coated Pipe, Add</i>	7.22	
			<i>For Bituminous Coated And 25% Paved, Add</i>	14.77	
			<i>For Smooth-Flo, Add</i>	26.37	
33 42 11 00-0403	LF	36"	16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	76.20	18.19
			<i>For Bituminous Coated Pipe, Add</i>	9.10	
			<i>For Bituminous Coated And 25% Paved, Add</i>	18.62	
			<i>For Smooth-Flo, Add</i>	33.26	
33 42 11 00-0404	LF	42"	16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	86.62	21.50
			<i>For Bituminous Coated Pipe, Add</i>	10.77	
			<i>For Bituminous Coated And 25% Paved, Add</i>	22.04	
			<i>For Smooth-Flo, Add</i>	39.36	
33 42 11 00-0405	LF	48"	16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	97.35	24.81
			<i>For Bituminous Coated Pipe, Add</i>	12.07	
			<i>For Bituminous Coated And 25% Paved, Add</i>	24.68	
			<i>For Smooth-Flo, Add</i>	44.08	
33 42 11 00-0406			14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping ⁽³³⁾		
			<small>^{42 11 00-0395)}</small>		
33 42 11 00-0407	LF	12"	14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	30.62	8.18
			<i>For Bituminous Coated Pipe, Add</i>	2.75	
			<i>For Bituminous Coated And 25% Paved, Add</i>	6.37	
			<i>For Smooth-Flo, Add</i>	12.88	
33 42 11 00-0408	LF	15"	14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	34.68	8.57
			<i>For Bituminous Coated Pipe, Add</i>	3.45	
			<i>For Bituminous Coated And 25% Paved, Add</i>	7.99	
			<i>For Smooth-Flo, Add</i>	16.16	
33 42 11 00-0409	LF	18"	14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	38.93	9.35
			<i>For Bituminous Coated Pipe, Add</i>	4.18	
			<i>For Bituminous Coated And 25% Paved, Add</i>	9.68	
			<i>For Smooth-Flo, Add</i>	19.56	
33 42 11 00-0410	LF	21"	14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	44.27	10.13
			<i>For Bituminous Coated Pipe, Add</i>	4.97	
			<i>For Bituminous Coated And 25% Paved, Add</i>	11.51	
			<i>For Smooth-Flo, Add</i>	23.26	
33 42 11 00-0411	LF	24"	14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	49.20	10.90
			<i>For Bituminous Coated Pipe, Add</i>	5.62	
			<i>For Bituminous Coated And 25% Paved, Add</i>	13.02	
			<i>For Smooth-Flo, Add</i>	26.33	
33 42 11 00-0412	LF	30"	14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	64.51	14.02
			<i>For Bituminous Coated Pipe, Add</i>	7.22	
			<i>For Bituminous Coated And 25% Paved, Add</i>	16.73	
			<i>For Smooth-Flo, Add</i>	33.81	
33 42 11 00-0413	LF	36"	14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	83.38	18.19
			<i>For Bituminous Coated Pipe, Add</i>	9.05	
			<i>For Bituminous Coated And 25% Paved, Add</i>	20.97	
			<i>For Smooth-Flo, Add</i>	42.38	
33 42 11 00-0414	LF	42"	14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	94.83	21.50
			<i>For Bituminous Coated Pipe, Add</i>	10.65	
			<i>For Bituminous Coated And 25% Paved, Add</i>	24.68	
			<i>For Smooth-Flo, Add</i>	49.88	
33 42 11 00-0415	LF	48"	14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	106.75	24.81
			<i>For Bituminous Coated Pipe, Add</i>	11.97	
			<i>For Bituminous Coated And 25% Paved, Add</i>	27.73	
			<i>For Smooth-Flo, Add</i>	56.06	
33 42 11 00-0416	LF	54"	14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	127.35	28.12
			<i>For Bituminous Coated Pipe, Add</i>	14.72	
			<i>For Bituminous Coated And 25% Paved, Add</i>	34.11	
			<i>For Smooth-Flo, Add</i>	68.94	
33 42 11 00-0417			12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping ⁽³³⁾		
			<small>^{42 11 00-0395)}</small>		
33 42 11 00-0418	LF	18"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	46.39	9.35
			<i>For Bituminous Coated Pipe, Add</i>	4.78	
			<i>For Bituminous Coated And 25% Paved, Add</i>	8.64	
			<i>For Smooth-Flo, Add</i>	16.60	
33 42 11 00-0419	LF	21"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	52.94	10.13
			<i>For Bituminous Coated Pipe, Add</i>	5.65	
			<i>For Bituminous Coated And 25% Paved, Add</i>	10.21	
			<i>For Smooth-Flo, Add</i>	19.62	
33 42 11 00-0420	LF	24"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	59.08	10.13
			<i>For Bituminous Coated Pipe, Add</i>	6.41	
			<i>For Bituminous Coated And 25% Paved, Add</i>	11.58	
			<i>For Smooth-Flo, Add</i>	22.25	
33 42 11 00-0421	LF	30"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	76.72	14.02
			<i>For Bituminous Coated Pipe, Add</i>	8.15	
			<i>For Bituminous Coated And 25% Paved, Add</i>	14.72	
			<i>For Smooth-Flo, Add</i>	28.29	



Utilities	33	CS
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST
33 42 11 00-0422 LF 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	97.87	18.19
For Bituminous Coated Pipe, Add	10.08	
For Bituminous Coated And 25% Paved, Add	18.20	
For Smooth-Flo, Add	34.98	
33 42 11 00-0423 LF 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	111.58	21.50
For Bituminous Coated Pipe, Add	11.81	
For Bituminous Coated And 25% Paved, Add	21.33	
For Smooth-Flo, Add	40.99	
33 42 11 00-0424 LF 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	125.94	24.81
For Bituminous Coated Pipe, Add	13.34	
For Bituminous Coated And 25% Paved, Add	24.08	
For Smooth-Flo, Add	46.29	
33 42 11 00-0425 LF 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	148.54	28.12
For Bituminous Coated Pipe, Add	15.99	
For Bituminous Coated And 25% Paved, Add	28.88	
For Smooth-Flo, Add	55.50	
33 42 11 00-0426 LF 60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	162.38	29.77
For Bituminous Coated Pipe, Add	17.51	
For Bituminous Coated And 25% Paved, Add	31.63	
For Smooth-Flo, Add	60.78	
33 42 11 00-0427 LF 66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	196.65	36.38
For Bituminous Coated Pipe, Add	21.32	
For Bituminous Coated And 25% Paved, Add	38.50	
For Smooth-Flo, Add	74.00	
33 42 11 00-0428 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping ^(33 42 11 00-0395)		
33 42 11 00-0429 LF 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	111.43	18.19
For Bituminous Coated Pipe, Add	12.82	
For Bituminous Coated And 25% Paved, Add	21.42	
For Smooth-Flo, Add	30.56	
33 42 11 00-0430 LF 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	127.45	21.50
For Bituminous Coated Pipe, Add	15.02	
For Bituminous Coated And 25% Paved, Add	25.09	
For Smooth-Flo, Add	35.80	
33 42 11 00-0431 LF 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	143.95	24.81
For Bituminous Coated Pipe, Add	16.98	
For Bituminous Coated And 25% Paved, Add	28.36	
For Smooth-Flo, Add	40.46	
33 42 11 00-0432 LF 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	168.72	28.12
For Bituminous Coated Pipe, Add	20.11	
For Bituminous Coated And 25% Paved, Add	33.59	
For Smooth-Flo, Add	47.93	
33 42 11 00-0433 LF 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	184.84	29.77
For Bituminous Coated Pipe, Add	22.08	
For Bituminous Coated And 25% Paved, Add	36.89	
For Smooth-Flo, Add	52.64	
33 42 11 00-0434 LF 66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	221.33	36.38
For Bituminous Coated Pipe, Add	26.42	
For Bituminous Coated And 25% Paved, Add	44.13	
For Smooth-Flo, Add	62.97	
33 42 11 00-0435 LF 72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	266.39	52.91
For Bituminous Coated Pipe, Add	28.36	
For Bituminous Coated And 25% Paved, Add	47.38	
For Smooth-Flo, Add	67.61	
33 42 11 00-0436 3" x 1" Corrugation, Galvanized Corrugated Steel Piping ^(33 42 11 00-0394)		
33 42 11 00-0437 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping ^(33 42 11 00-0436)		
33 42 11 00-0438 LF 36" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	88.64	18.19
For Bituminous Coated Pipe, Add	10.01	
For Bituminous Coated And 25% Paved, Add	22.73	
For Smooth-Flo, Add	45.25	
33 42 11 00-0439 LF 42" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	100.88	21.50
For Bituminous Coated Pipe, Add	11.76	
For Bituminous Coated And 25% Paved, Add	26.69	
For Smooth-Flo, Add	53.14	
33 42 11 00-0440 LF 48" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	113.42	24.81
For Bituminous Coated Pipe, Add	13.19	
For Bituminous Coated And 25% Paved, Add	29.93	
For Smooth-Flo, Add	59.60	
33 42 11 00-0441 LF 54" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	135.01	28.12
For Bituminous Coated Pipe, Add	16.11	
For Bituminous Coated And 25% Paved, Add	36.57	
For Smooth-Flo, Add	72.81	
33 42 11 00-0442 LF 60" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	147.10	29.77
For Bituminous Coated Pipe, Add	17.55	
For Bituminous Coated And 25% Paved, Add	39.83	
For Smooth-Flo, Add	79.32	
33 42 11 00-0443 LF 66" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	183.93	36.38
For Bituminous Coated Pipe, Add	22.54	
For Bituminous Coated And 25% Paved, Add	51.17	
For Smooth-Flo, Add	101.88	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0444 LF 72" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	225.36	52.91
For Bituminous Coated Pipe, Add	24.03	
For Bituminous Coated And 25% Paved, Add	54.54	
For Smooth-Flo, Add	108.60	
33 42 11 00-0445 LF 78" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	243.34	57.88
For Bituminous Coated Pipe, Add	25.52	
For Bituminous Coated And 25% Paved, Add	57.93	
For Smooth-Flo, Add	115.34	
33 42 11 00-0446 LF 84" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	259.06	62.01
For Bituminous Coated Pipe, Add	27.01	
For Bituminous Coated And 25% Paved, Add	61.31	
For Smooth-Flo, Add	122.08	
33 42 11 00-0447 LF 90" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	274.82	66.14
For Bituminous Coated Pipe, Add	28.51	
For Bituminous Coated And 25% Paved, Add	64.71	
For Smooth-Flo, Add	128.85	
33 42 11 00-0448 LF 96" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	291.13	70.28
For Bituminous Coated Pipe, Add	29.99	
For Bituminous Coated And 25% Paved, Add	68.08	
For Smooth-Flo, Add	135.56	
33 42 11 00-0449 LF 102" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	309.78	74.41
For Bituminous Coated Pipe, Add	31.49	
For Bituminous Coated And 25% Paved, Add	71.49	
For Smooth-Flo, Add	142.35	
33 42 11 00-0450 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00- 0436)		
33 42 11 00-0451 LF 54" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	147.70	28.12
For Bituminous Coated Pipe, Add	18.65	
For Bituminous Coated And 25% Paved, Add	36.55	
For Smooth-Flo, Add	73.84	
33 42 11 00-0452 LF 60" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	161.14	29.77
For Bituminous Coated Pipe, Add	20.36	
For Bituminous Coated And 25% Paved, Add	39.90	
For Smooth-Flo, Add	80.61	
33 42 11 00-0453 LF 66" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	199.38	36.38
For Bituminous Coated Pipe, Add	25.63	
For Bituminous Coated And 25% Paved, Add	50.23	
For Smooth-Flo, Add	101.49	
33 42 11 00-0454 LF 72" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	242.19	52.91
For Bituminous Coated Pipe, Add	27.39	
For Bituminous Coated And 25% Paved, Add	53.69	
For Smooth-Flo, Add	108.47	
33 42 11 00-0455 LF 78" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	261.52	57.88
For Bituminous Coated Pipe, Add	29.15	
For Bituminous Coated And 25% Paved, Add	57.14	
For Smooth-Flo, Add	115.45	
33 42 11 00-0456 LF 84" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	278.68	62.01
For Bituminous Coated Pipe, Add	30.93	
For Bituminous Coated And 25% Paved, Add	60.63	
For Smooth-Flo, Add	122.49	
33 42 11 00-0457 LF 90" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	295.76	66.14
For Bituminous Coated Pipe, Add	32.69	
For Bituminous Coated And 25% Paved, Add	64.08	
For Smooth-Flo, Add	129.47	
33 42 11 00-0458 LF 96" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	313.44	70.28
For Bituminous Coated Pipe, Add	34.45	
For Bituminous Coated And 25% Paved, Add	67.53	
For Smooth-Flo, Add	136.44	
33 42 11 00-0459 LF 102" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	333.45	74.41
For Bituminous Coated Pipe, Add	36.23	
For Bituminous Coated And 25% Paved, Add	71.01	
For Smooth-Flo, Add	143.46	
33 42 11 00-0460 LF 108" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	355.37	82.68
For Bituminous Coated Pipe, Add	38.00	
For Bituminous Coated And 25% Paved, Add	74.48	
For Smooth-Flo, Add	150.48	
33 42 11 00-0461 LF 114" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	376.78	90.95
For Bituminous Coated Pipe, Add	39.74	
For Bituminous Coated And 25% Paved, Add	77.89	
For Smooth-Flo, Add	157.37	
33 42 11 00-0462 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00- 0436)		
33 42 11 00-0463 LF 60" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	192.29	29.77
For Bituminous Coated Pipe, Add	26.59	
For Bituminous Coated And 25% Paved, Add	50.65	
For Smooth-Flo, Add	82.55	
33 42 11 00-0464 LF 66" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	233.88	36.38
For Bituminous Coated Pipe, Add	32.53	
For Bituminous Coated And 25% Paved, Add	61.97	
For Smooth-Flo, Add	101.01	



Utilities	33	CS
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0465	LF	72" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	279.70 34.89 66.47 108.35	52.91
33 42 11 00-0466	LF	78" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	302.06 37.26 70.98 115.70	57.88
33 42 11 00-0467	LF	84" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	322.24 39.64 75.52 123.09	62.01
33 42 11 00-0468	LF	90" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	342.36 42.01 80.04 130.45	66.14
33 42 11 00-0469	LF	96" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	363.11 44.39 84.56 137.82	70.28
33 42 11 00-0470	LF	102" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	386.15 46.77 89.09 145.21	74.41
33 42 11 00-0471	LF	108" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	411.06 49.14 93.61 152.57	82.68
33 42 11 00-0472	LF	114" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	435.53 51.49 98.09 159.88	90.95
33 42 11 00-0473	LF	120" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	459.12 53.87 102.63 167.27	99.22
33 42 11 00-0474		10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0436)</small>		
33 42 11 00-0475	LF	72" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	314.68 41.89 79.59 106.40	52.91
33 42 11 00-0476	LF	78" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	339.91 44.83 85.18 113.87	57.88
33 42 11 00-0477	LF	84" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	362.96 47.79 90.80 121.38	62.01
33 42 11 00-0478	LF	90" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	385.94 50.73 96.39 128.85	66.14
33 42 11 00-0479	LF	96" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	409.57 53.68 101.99 136.35	70.28
33 42 11 00-0480	LF	102" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	435.48 56.63 107.60 143.85	74.41
33 42 11 00-0481	LF	108" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	463.26 59.58 113.20 151.33	82.68
33 42 11 00-0482	LF	114" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	490.57 62.50 118.75 158.74	90.95
33 42 11 00-0483	LF	120" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	517.06 65.46 124.37 166.27	99.22
33 42 11 00-0484	LF	126" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	545.04 68.39 129.94 173.72	107.48
33 42 11 00-0485	LF	132" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	575.13 71.35 135.56 181.22	115.75

33	Utilities
33 40	Stormwater Utilities
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MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
33 42 11 00-0486	LF	138" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	607.76	124.02
		<i>For Bituminous Coated Pipe, Add</i>	74.31	
		<i>For Bituminous Coated And 25% Paved, Add</i>	141.18	
		<i>For Smooth-Flo, Add</i>	188.74	
33 42 11 00-0487		125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0394)		
33 42 11 00-0488		16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0487)		
33 42 11 00-0489	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	113.79	24.81
		<i>For Bituminous Coated Pipe, Add</i>	16.58	
		<i>For Bituminous Coated And 25% Paved, Add</i>	37.79	
		<i>For Smooth-Flo, Add</i>	60.00	
33 42 11 00-0490	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	135.71	28.12
		<i>For Bituminous Coated Pipe, Add</i>	20.31	
		<i>For Bituminous Coated And 25% Paved, Add</i>	46.31	
		<i>For Smooth-Flo, Add</i>	73.52	
33 42 11 00-0491	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	147.72	29.77
		<i>For Bituminous Coated Pipe, Add</i>	22.09	
		<i>For Bituminous Coated And 25% Paved, Add</i>	50.37	
		<i>For Smooth-Flo, Add</i>	79.97	
33 42 11 00-0492	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	182.47	36.38
		<i>For Bituminous Coated Pipe, Add</i>	27.81	
		<i>For Bituminous Coated And 25% Paved, Add</i>	63.41	
		<i>For Smooth-Flo, Add</i>	100.67	
33 42 11 00-0493	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	223.73	52.91
		<i>For Bituminous Coated Pipe, Add</i>	29.63	
		<i>For Bituminous Coated And 25% Paved, Add</i>	67.55	
		<i>For Smooth-Flo, Add</i>	107.24	
33 42 11 00-0494	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	241.48	57.88
		<i>For Bituminous Coated Pipe, Add</i>	31.43	
		<i>For Bituminous Coated And 25% Paved, Add</i>	71.67	
		<i>For Smooth-Flo, Add</i>	113.79	
33 42 11 00-0495	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	256.95	62.01
		<i>For Bituminous Coated Pipe, Add</i>	33.23	
		<i>For Bituminous Coated And 25% Paved, Add</i>	75.77	
		<i>For Smooth-Flo, Add</i>	120.30	
33 42 11 00-0496	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	272.40	66.14
		<i>For Bituminous Coated Pipe, Add</i>	35.03	
		<i>For Bituminous Coated And 25% Paved, Add</i>	79.86	
		<i>For Smooth-Flo, Add</i>	126.80	
33 42 11 00-0497	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	288.57	70.28
		<i>For Bituminous Coated Pipe, Add</i>	36.85	
		<i>For Bituminous Coated And 25% Paved, Add</i>	84.02	
		<i>For Smooth-Flo, Add</i>	133.40	
33 42 11 00-0498	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	307.16	74.41
		<i>For Bituminous Coated Pipe, Add</i>	38.71	
		<i>For Bituminous Coated And 25% Paved, Add</i>	88.26	
		<i>For Smooth-Flo, Add</i>	140.14	
33 42 11 00-0499		14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0487)		
33 42 11 00-0500	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	151.58	28.12
		<i>For Bituminous Coated Pipe, Add</i>	19.42	
		<i>For Bituminous Coated And 25% Paved, Add</i>	45.64	
		<i>For Smooth-Flo, Add</i>	82.64	
33 42 11 00-0501	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	165.36	29.77
		<i>For Bituminous Coated Pipe, Add</i>	21.20	
		<i>For Bituminous Coated And 25% Paved, Add</i>	49.82	
		<i>For Smooth-Flo, Add</i>	90.21	
33 42 11 00-0502	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	201.72	36.38
		<i>For Bituminous Coated Pipe, Add</i>	26.10	
		<i>For Bituminous Coated And 25% Paved, Add</i>	61.33	
		<i>For Smooth-Flo, Add</i>	111.05	
33 42 11 00-0503	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	244.52	52.91
		<i>For Bituminous Coated Pipe, Add</i>	27.86	
		<i>For Bituminous Coated And 25% Paved, Add</i>	65.47	
		<i>For Smooth-Flo, Add</i>	118.54	
33 42 11 00-0504	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	264.16	57.88
		<i>For Bituminous Coated Pipe, Add</i>	29.68	
		<i>For Bituminous Coated And 25% Paved, Add</i>	69.75	
		<i>For Smooth-Flo, Add</i>	126.30	
33 42 11 00-0505	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	281.41	62.01
		<i>For Bituminous Coated Pipe, Add</i>	31.48	
		<i>For Bituminous Coated And 25% Paved, Add</i>	73.97	
		<i>For Smooth-Flo, Add</i>	133.94	
33 42 11 00-0506	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	297.73	66.14
		<i>For Bituminous Coated Pipe, Add</i>	33.09	
		<i>For Bituminous Coated And 25% Paved, Add</i>	77.76	
		<i>For Smooth-Flo, Add</i>	140.79	



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	Stormwater Utilities	33 40
	Stormwater Conveyance	33 42

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0507 LF 96" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	316.45 35.06 82.38 149.16	70.28
33 42 11 00-0508 LF 102" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	336.54 36.85 86.59 156.78	74.41
33 42 11 00-0509 LF 108" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	358.47 38.62 90.76 164.33	82.68
33 42 11 00-0510 LF 114" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	380.27 40.44 95.03 172.06	90.95
33 42 11 00-0511 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0487)</small>		
33 42 11 00-0512 LF 60" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	198.40 27.81 52.84 95.38	29.77
33 42 11 00-0513 LF 66" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	238.10 33.37 63.41 114.47	36.38
33 42 11 00-0514 LF 72" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	284.37 35.83 68.07 122.89	52.91
33 42 11 00-0515 LF 78" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	307.07 38.26 72.70 131.25	57.88
33 42 11 00-0516 LF 84" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	327.42 40.68 77.29 139.53	62.01
33 42 11 00-0517 LF 90" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	347.93 43.13 81.94 147.93	66.14
33 42 11 00-0518 LF 96" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	368.96 45.56 86.56 156.26	70.28
33 42 11 00-0519 LF 102" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	392.23 47.98 91.17 164.59	74.41
33 42 11 00-0520 LF 108" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	417.53 50.43 95.82 172.98	82.68
33 42 11 00-0521 LF 114" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	442.40 52.86 100.44 181.32	90.95
33 42 11 00-0522 LF 120" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	466.24 55.30 105.06 189.67	99.22
33 42 11 00-0523 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0487)</small>		
33 42 11 00-0524 LF 72" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	322.53 43.46 82.57 129.73	52.91
33 42 11 00-0525 LF 78" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	348.78 46.61 88.55 139.12	57.88
33 42 11 00-0526 LF 84" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	372.44 49.68 94.40 148.31	62.01
33 42 11 00-0527 LF 90" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	395.96 52.73 100.19 157.41	66.14

33	Utilities
33 40	Stormwater Utilities
33 42	Stormwater Conveyance



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0528	LF	96"	10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	420.26	70.28
			<i>For Bituminous Coated Pipe, Add</i>	55.82	
			<i>For Bituminous Coated And 25% Paved, Add</i>	106.05	
			<i>For Smooth-Flo, Add</i>	166.62	
33 42 11 00-0529	LF	102"	10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	446.68	74.41
			<i>For Bituminous Coated Pipe, Add</i>	58.87	
			<i>For Bituminous Coated And 25% Paved, Add</i>	111.86	
			<i>For Smooth-Flo, Add</i>	175.74	
33 42 11 00-0530	LF	108"	10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	475.14	82.68
			<i>For Bituminous Coated Pipe, Add</i>	61.95	
			<i>For Bituminous Coated And 25% Paved, Add</i>	117.71	
			<i>For Smooth-Flo, Add</i>	184.93	
33 42 11 00-0531	LF	114"	10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	503.21	90.95
			<i>For Bituminous Coated Pipe, Add</i>	65.03	
			<i>For Bituminous Coated And 25% Paved, Add</i>	123.55	
			<i>For Smooth-Flo, Add</i>	194.10	
33 42 11 00-0532	LF	120"	10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	530.17	99.22
			<i>For Bituminous Coated Pipe, Add</i>	68.08	
			<i>For Bituminous Coated And 25% Paved, Add</i>	129.36	
			<i>For Smooth-Flo, Add</i>	203.22	
33 42 11 00-0533	LF	126"	10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	563.67	107.48
			<i>For Bituminous Coated Pipe, Add</i>	72.12	
			<i>For Bituminous Coated And 25% Paved, Add</i>	137.02	
			<i>For Smooth-Flo, Add</i>	215.27	
33 42 11 00-0534	LF	132"	10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	595.62	115.75
			<i>For Bituminous Coated Pipe, Add</i>	75.44	
			<i>For Bituminous Coated And 25% Paved, Add</i>	143.34	
			<i>For Smooth-Flo, Add</i>	225.20	
33 42 11 00-0535	LF	138"	10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	630.72	124.02
			<i>For Bituminous Coated Pipe, Add</i>	78.90	
			<i>For Bituminous Coated And 25% Paved, Add</i>	149.91	
			<i>For Smooth-Flo, Add</i>	235.51	
33 42 11 00-0536			Helical Ribbed, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0394)</small>		
33 42 11 00-0537			16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0536)</small>		
33 42 11 00-0538	LF	18"	16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	40.17	9.35
			<i>For Bituminous Coated Pipe, Add</i>	5.11	
33 42 11 00-0539	LF	21"	16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	45.79	10.13
			<i>For Bituminous Coated Pipe, Add</i>	6.08	
33 42 11 00-0540	LF	24"	16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	51.03	10.90
			<i>For Bituminous Coated Pipe, Add</i>	6.91	
33 42 11 00-0541	LF	30"	16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	66.98	14.02
			<i>For Bituminous Coated Pipe, Add</i>	8.90	
33 42 11 00-0542	LF	36"	16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	86.47	18.19
			<i>For Bituminous Coated Pipe, Add</i>	11.16	
33 42 11 00-0543	LF	42"	16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	98.58	21.50
			<i>For Bituminous Coated Pipe, Add</i>	13.16	
33 42 11 00-0544	LF	48"	16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	111.06	24.81
			<i>For Bituminous Coated Pipe, Add</i>	14.81	
33 42 11 00-0545	LF	54"	16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	132.33	28.12
			<i>For Bituminous Coated Pipe, Add</i>	18.14	
33 42 11 00-0546	LF	60"	16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	144.37	29.77
			<i>For Bituminous Coated Pipe, Add</i>	19.81	
33 42 11 00-0547			14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0536)</small>		
33 42 11 00-0548	LF	18"	14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	43.83	9.35
			<i>For Bituminous Coated Pipe, Add</i>	5.91	
33 42 11 00-0549	LF	21"	14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	50.07	10.13
			<i>For Bituminous Coated Pipe, Add</i>	7.02	
33 42 11 00-0550	LF	24"	14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	55.90	10.90
			<i>For Bituminous Coated Pipe, Add</i>	7.98	
33 42 11 00-0551	LF	30"	14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	73.03	14.02
			<i>For Bituminous Coated Pipe, Add</i>	10.22	
33 42 11 00-0552	LF	36"	14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	93.76	18.19
			<i>For Bituminous Coated Pipe, Add</i>	12.75	
33 42 11 00-0553	LF	42"	14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	107.10	21.50
			<i>For Bituminous Coated Pipe, Add</i>	15.02	
33 42 11 00-0554	LF	48"	14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	120.79	24.81
			<i>For Bituminous Coated Pipe, Add</i>	16.93	
33 42 11 00-0555	LF	54"	14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	143.28	28.12
			<i>For Bituminous Coated Pipe, Add</i>	20.52	
33 42 11 00-0556	LF	60"	14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	156.56	29.77
			<i>For Bituminous Coated Pipe, Add</i>	22.45	
33 42 11 00-0557	LF	66"	14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	191.98	36.38
			<i>For Bituminous Coated Pipe, Add</i>	27.89	
33 42 11 00-0558	LF	72"	14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	234.25	52.91
			<i>For Bituminous Coated Pipe, Add</i>	29.80	
33 42 11 00-0559	LF	78"	14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	253.19	57.88
			<i>For Bituminous Coated Pipe, Add</i>	31.75	



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST
33 42 11 00-0560	12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0536)</small>	
33 42 11 00-0561 LF 30" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	85.30	14.02
For Bituminous Coated Pipe, Add		
	10.08	
33 42 11 00-0562 LF 36" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	108.42	18.19
For Bituminous Coated Pipe, Add		
	13.20	
33 42 11 00-0563 LF 42" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	124.27	21.50
For Bituminous Coated Pipe, Add		
	15.53	
33 42 11 00-0564 LF 48" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	140.38	24.81
For Bituminous Coated Pipe, Add		
	17.56	
33 42 11 00-0565 LF 54" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	165.34	28.12
For Bituminous Coated Pipe, Add		
	20.95	
33 42 11 00-0566 LF 60" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	181.09	29.77
For Bituminous Coated Pipe, Add		
	23.01	
33 42 11 00-0567 LF 66" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	218.91	36.38
For Bituminous Coated Pipe, Add		
	27.91	
33 42 11 00-0568 LF 72" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	263.60	52.91
For Bituminous Coated Pipe, Add		
	29.93	
33 42 11 00-0569 LF 78" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	284.96	57.88
For Bituminous Coated Pipe, Add		
	31.98	
33 42 11 00-0570 LF 84" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	304.00	62.01
For Bituminous Coated Pipe, Add		
	34.02	
33 42 11 00-0571 LF 90" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	323.02	66.14
For Bituminous Coated Pipe, Add		
	36.05	
33 42 11 00-0572 LF 96" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	342.65	70.28
For Bituminous Coated Pipe, Add		
	38.08	
33 42 11 00-0573 LF 102" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	363.36	74.41
For Bituminous Coated Pipe, Add		
	39.89	
33 42 11 00-0574	1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0394)</small>	
33 42 11 00-0575	1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0574)</small>	
33 42 11 00-0576 LF 6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	14.68	4.67
For Bituminous Coated Pipe, Add		
	1.31	
33 42 11 00-0577 LF 6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	15.77	4.67
For Bituminous Coated Pipe, Add		
	1.57	
33 42 11 00-0578 LF 8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	18.38	5.84
For Bituminous Coated Pipe, Add		
	1.73	
33 42 11 00-0579 LF 8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	19.76	5.84
For Bituminous Coated Pipe, Add		
	2.07	
33 42 11 00-0580 LF 10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	23.24	7.02
For Bituminous Coated Pipe, Add		
	2.17	
33 42 11 00-0581 LF 10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	24.99	7.02
For Bituminous Coated Pipe, Add		
	2.60	
33 42 11 00-0582	Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0574)</small>	
33 42 11 00-0583 LF 6" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	14.83	4.67
For Bituminous Coated Pipe, Add		
	1.29	
33 42 11 00-0584 LF 6" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	15.88	4.67
For Bituminous Coated Pipe, Add		
	1.53	
33 42 11 00-0585 LF 8" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	18.53	5.84
For Bituminous Coated Pipe, Add		
	1.69	
33 42 11 00-0586 LF 8" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	20.00	5.84
For Bituminous Coated Pipe, Add		
	2.04	
33 42 11 00-0587 LF 10" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	23.50	7.02
For Bituminous Coated Pipe, Add		
	2.14	
33 42 11 00-0588 LF 10" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	25.30	7.02
For Bituminous Coated Pipe, Add		
	2.57	
33 42 11 00-0589	1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe Fittings <small>(33 42 11 00-0574)</small>	
33 42 11 00-0590 EA 6" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	8.06	
For Bituminous Coated Pipe, Add		
	1.81	
33 42 11 00-0591 EA 8" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	10.67	
For Bituminous Coated Pipe, Add		
	2.40	
33 42 11 00-0592 EA 10" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	13.09	
For Bituminous Coated Pipe, Add		
	2.95	
33 42 11 00-0593 EA 6" 18 Gauge, Band Elbows For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	29.07	
For Bituminous Coated Pipe, Add		
	4.01	
33 42 11 00-0594 EA 6" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	6.95	
For Bituminous Coated Pipe, Add		
	0.92	
33 42 11 00-0595 EA 8" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	8.72	
For Bituminous Coated Pipe, Add		
	1.37	
33 42 11 00-0596	2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping <small>(33 42 11 00-0394)</small>	
33 42 11 00-0597	16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping <small>(33 42 11 00-0596)</small>	
33 42 11 00-0598 LF 12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	44.20	8.18
33 42 11 00-0599 LF 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	51.87	8.57

33 Utilities
33 40 Stormwater Utilities
33 42 Stormwater Conveyance



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
33 42 11 00-0600	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	59.78		9.35
33 42 11 00-0601	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	69.33		10.13
33 42 11 00-0602	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	77.29		10.90
33 42 11 00-0603	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	101.25		14.02
33 42 11 00-0604	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	130.07		18.19
33 42 11 00-0605	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	150.33		21.50
33 42 11 00-0606	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	168.74		24.81
33 42 11 00-0607 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42					
		<small>11 00-0596</small>			
33 42 11 00-0608	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	50.09		8.18
33 42 11 00-0609	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	59.16		8.57
33 42 11 00-0610	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	68.52		9.35
33 42 11 00-0611	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	79.45		10.13
33 42 11 00-0612	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	89.04		10.90
33 42 11 00-0613	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	115.68		14.02
33 42 11 00-0614	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	147.48		18.19
33 42 11 00-0615	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	170.31		21.50
33 42 11 00-0616	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	191.54		24.81
33 42 11 00-0617	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	231.65		28.12
33 42 11 00-0618 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42					
		<small>11 00-0596</small>			
33 42 11 00-0619	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	86.73		9.35
33 42 11 00-0620	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	100.71		10.13
33 42 11 00-0621	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	113.21		10.90
33 42 11 00-0622	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	145.88		14.02
33 42 11 00-0623	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	176.32		18.19
33 42 11 00-0624	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	212.56		21.50
33 42 11 00-0625	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	239.75		24.81
33 42 11 00-0626	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	286.66		28.12
33 42 11 00-0627	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	313.23		29.77
33 42 11 00-0628	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	383.49		36.38
33 42 11 00-0629 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42					
		<small>11 00-0596</small>			
33 42 11 00-0630	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	216.82		18.19
33 42 11 00-0631	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	251.04		21.50
33 42 11 00-0632	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	283.47		24.81
33 42 11 00-0633	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	335.63		28.12
33 42 11 00-0634	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	367.74		29.77
33 42 11 00-0635	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	443.36		36.38
33 42 11 00-0636	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	504.20		52.91
33 42 11 00-0637 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0394)					
33 42 11 00-0638 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0637)					
33 42 11 00-0639	LF	36" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	163.50		18.19
33 42 11 00-0640	LF	42" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	188.88		21.50
33 42 11 00-0641	LF	48" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	211.96		24.81
33 42 11 00-0642	LF	54" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	256.23		28.12
33 42 11 00-0643	LF	60" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	279.00		29.77
33 42 11 00-0644	LF	66" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	354.83		36.38
33 42 11 00-0645	LF	72" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	407.29		52.91
33 42 11 00-0646	LF	78" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	436.26		57.88
33 42 11 00-0647	LF	84" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	463.05		62.01
33 42 11 00-0648	LF	90" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	489.86		66.14
33 42 11 00-0649	LF	96" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	517.19		70.28
33 42 11 00-0650	LF	102" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	546.94		74.41
33 42 11 00-0651 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0637)					
33 42 11 00-0652	LF	54" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	287.71		28.12
33 42 11 00-0653	LF	60" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	313.80		29.77
33 42 11 00-0654	LF	66" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	393.16		36.38
33 42 11 00-0655	LF	72" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	448.98		52.91
33 42 11 00-0656	LF	78" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	481.36		57.88
33 42 11 00-0657	LF	84" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	511.67		62.01
33 42 11 00-0658	LF	90" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	541.79		66.14
33 42 11 00-0659	LF	96" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	572.50		70.28
33 42 11 00-0660	LF	102" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	605.68		74.41
33 42 11 00-0661	LF	108" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	640.70		82.68
33 42 11 00-0662	LF	114" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	674.96		90.95
33 42 11 00-0663 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0637)					
33 42 11 00-0664	LF	60" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	392.97		29.77
33 42 11 00-0665	LF	66" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	481.23		36.38



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0666 LF 72" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	544.69	52.91
33 42 11 00-0667 LF 78" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	584.74	57.88
33 42 11 00-0668 LF 84" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	622.69	62.01
33 42 11 00-0669 LF 90" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	660.49	66.14
33 42 11 00-0670 LF 96" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	698.94	70.28
33 42 11 00-0671 LF 102" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	739.75	74.41
33 42 11 00-0672 LF 108" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	782.34	82.68
33 42 11 00-0673 LF 114" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	824.39	90.95
33 42 11 00-0674 LF 120" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	865.75	99.22
33 42 11 00-0675 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping <small>(33 42 11 00-0637)</small>		
33 42 11 00-0676 LF 72" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	631.90	52.91
33 42 11 00-0677 LF 78" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	679.05	57.88
33 42 11 00-0678 LF 84" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	724.17	62.01
33 42 11 00-0679 LF 90" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	769.10	66.14
33 42 11 00-0680 LF 96" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	814.73	70.28
33 42 11 00-0681 LF 102" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	862.69	74.41
33 42 11 00-0682 LF 108" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	912.45	82.68
33 42 11 00-0683 LF 114" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	961.62	90.95
33 42 11 00-0684 LF 120" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,010.13	99.22
33 42 11 00-0685 LF 126" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,060.02	107.48
33 42 11 00-0686 LF 132" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,112.17	115.75
33 42 11 00-0687 LF 138" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,166.86	124.02
33 42 11 00-0688 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping <small>(33 42 11 00-0394)</small>		
33 42 11 00-0689 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping <small>(33 42 11 00-0688)</small>		
33 42 11 00-0690 LF 48" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	205.17	24.81
33 42 11 00-0691 LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	248.76	28.12
33 42 11 00-0692 LF 60" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	270.44	29.77
33 42 11 00-0693 LF 66" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	338.93	36.38
33 42 11 00-0694 LF 72" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	390.08	52.91
33 42 11 00-0695 LF 78" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	417.70	57.88
33 42 11 00-0696 LF 84" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	442.95	62.01
33 42 11 00-0697 LF 90" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	468.14	66.14
33 42 11 00-0698 LF 96" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	494.19	70.28
33 42 11 00-0699 LF 102" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	522.99	74.41
33 42 11 00-0700 14 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping <small>(33 42 11 00-0688)</small>		
33 42 11 00-0701 LF 54" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	286.15	28.12
33 42 11 00-0702 LF 60" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	312.09	29.77
33 42 11 00-0703 LF 66" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	384.35	36.38
33 42 11 00-0704 LF 72" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	439.17	52.91
33 42 11 00-0705 LF 78" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	471.21	57.88
33 42 11 00-0706 LF 84" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	500.63	62.01
33 42 11 00-0707 LF 90" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	527.91	66.14
33 42 11 00-0708 LF 96" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	560.02	70.28
33 42 11 00-0709 LF 102" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	592.31	74.41
33 42 11 00-0710 LF 108" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	626.27	82.68
33 42 11 00-0711 LF 114" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	660.43	90.95
33 42 11 00-0712 12 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping <small>(33 42 11 00-0688)</small>		
33 42 11 00-0713 LF 60" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	395.56	29.77
33 42 11 00-0714 LF 66" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	476.70	36.38
33 42 11 00-0715 LF 72" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	540.24	52.91
33 42 11 00-0716 LF 78" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	579.96	57.88
33 42 11 00-0717 LF 84" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	617.21	62.01
33 42 11 00-0718 LF 90" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	654.90	66.14
33 42 11 00-0719 LF 96" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	692.99	70.28
33 42 11 00-0720 LF 102" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	733.21	74.41
33 42 11 00-0721 LF 108" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	775.69	82.68
33 42 11 00-0722 LF 114" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	817.60	90.95
33 42 11 00-0723 LF 120" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	858.46	99.22
33 42 11 00-0724 10 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping <small>(33 42 11 00-0688)</small>		
33 42 11 00-0725 LF 72" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	631.86	52.91
33 42 11 00-0726 LF 78" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	680.10	57.88
33 42 11 00-0727 LF 84" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	725.37	62.01
33 42 11 00-0728 LF 90" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	770.28	66.14
33 42 11 00-0729 LF 96" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	816.12	70.28

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0730 LF 102" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	864.01	74.41
33 42 11 00-0731 LF 108" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	913.98	82.68
33 42 11 00-0732 LF 114" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	963.58	90.95
33 42 11 00-0733 LF 120" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,011.99	99.22
33 42 11 00-0734 LF 126" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,073.74	107.48
33 42 11 00-0735 LF 132" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,129.02	115.75
33 42 11 00-0736 LF 138" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,188.32	124.02
33 42 11 00-0737 Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0393)		
33 42 11 00-0738 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0737)		
33 42 11 00-0739 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0738)		
33 42 11 00-0740 LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	32.51	8.57
For Bituminous Coated Pipe, Add	3.71	
For Bituminous Coated And 25% Paved, Add	8.98	
For Smooth-Flo, Add	14.81	
33 42 11 00-0741 LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	36.06	9.35
For Bituminous Coated Pipe, Add	4.43	
For Bituminous Coated And 25% Paved, Add	10.72	
For Smooth-Flo, Add	17.69	
33 42 11 00-0742 LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	41.12	10.13
For Bituminous Coated Pipe, Add	5.34	
For Bituminous Coated And 25% Paved, Add	12.91	
For Smooth-Flo, Add	21.29	
33 42 11 00-0743 LF 28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	46.08	10.90
For Bituminous Coated Pipe, Add	6.15	
For Bituminous Coated And 25% Paved, Add	14.88	
For Smooth-Flo, Add	24.54	
33 42 11 00-0744 LF 35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	60.15	14.02
For Bituminous Coated Pipe, Add	7.81	
For Bituminous Coated And 25% Paved, Add	18.89	
For Smooth-Flo, Add	31.16	
33 42 11 00-0745 LF 42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	79.05	18.19
For Bituminous Coated Pipe, Add	10.08	
For Bituminous Coated And 25% Paved, Add	24.36	
For Smooth-Flo, Add	40.19	
33 42 11 00-0746 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0738)		
33 42 11 00-0747 LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	35.53	8.57
For Bituminous Coated Pipe, Add	3.85	
For Bituminous Coated And 25% Paved, Add	9.02	
For Smooth-Flo, Add	14.79	
33 42 11 00-0748 LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	39.75	9.35
For Bituminous Coated Pipe, Add	4.62	
For Bituminous Coated And 25% Paved, Add	10.81	
For Smooth-Flo, Add	17.74	
33 42 11 00-0749 LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	45.23	10.13
For Bituminous Coated Pipe, Add	5.49	
For Bituminous Coated And 25% Paved, Add	12.85	
For Smooth-Flo, Add	21.08	
33 42 11 00-0750 LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	50.83	10.90
For Bituminous Coated Pipe, Add	6.33	
For Bituminous Coated And 25% Paved, Add	14.82	
For Smooth-Flo, Add	24.30	
33 42 11 00-0751 LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	66.08	14.02
For Bituminous Coated Pipe, Add	8.02	
For Bituminous Coated And 25% Paved, Add	18.77	
For Smooth-Flo, Add	30.78	
33 42 11 00-0752 LF 42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	86.11	18.19
For Bituminous Coated Pipe, Add	10.22	
For Bituminous Coated And 25% Paved, Add	23.91	
For Smooth-Flo, Add	39.21	
33 42 11 00-0753 LF 49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	98.72	21.50
For Bituminous Coated Pipe, Add	12.17	
For Bituminous Coated And 25% Paved, Add	28.48	
For Smooth-Flo, Add	46.71	
33 42 11 00-0754 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0738)		
33 42 11 00-0755 LF 21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	51.48	9.92
For Bituminous Coated Pipe, Add	5.00	
For Bituminous Coated And 25% Paved, Add	11.13	
For Smooth-Flo, Add	17.11	
33 42 11 00-0756 LF 24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	58.64	10.75
For Bituminous Coated Pipe, Add	5.93	
For Bituminous Coated And 25% Paved, Add	13.19	
For Smooth-Flo, Add	20.29	



	Utilities	33	
	Stormwater Utilities	33 40	33
	Stormwater Conveyance	33 42	33

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0757	LF	28" x 20"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	65.77 6.80 15.13 23.27	11.58
33 42 11 00-0758	LF	35" x 24"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	85.11 8.56 19.06 29.30	14.88
33 42 11 00-0759	LF	42" x 29"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	100.52 10.72 23.85 36.67	18.19
33 42 11 00-0760	LF	49" x 33"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	115.35 12.67 28.20 43.36	21.50
33 42 11 00-0761	LF	57" x 38"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	134.36 15.03 33.44 51.43	24.81
33 42 11 00-0762	LF	64" x 43"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	150.40 16.60 36.93 56.79	28.12
33 42 11 00-0763			10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>(33 42 11 00-0738)</i>		
33 42 11 00-0764	LF	42" x 29"	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	114.08 12.91 27.18 34.28	18.19
33 42 11 00-0765	LF	49" x 33"	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	131.16 15.23 32.06 40.43	21.50
33 42 11 00-0766	LF	57" x 38"	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	152.28 17.92 37.72 47.57	24.81
33 42 11 00-0767	LF	64" x 43"	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	170.66 19.87 41.83 52.75	28.12
33 42 11 00-0768	LF	71" x 47"	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	186.92 21.81 45.92 57.91	29.77
33 42 11 00-0769			3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>(33 42 11 00-0737)</i>		
33 42 11 00-0770			14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>(33 42 11 00-0769)</i>		
33 42 11 00-0771	LF	60" x 46"	14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	150.20 19.15 58.20 65.10	28.12
33 42 11 00-0772	LF	66" x 51"	14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	164.13 20.95 63.70 71.24	29.77
33 42 11 00-0773	LF	73" x 55"	14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	202.81 26.32 80.00 89.47	36.38
33 42 11 00-0774	LF	81" x 59"	14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	246.30 28.21 85.77 95.93	52.91
33 42 11 00-0775	LF	87" x 63"	14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	266.78 30.21 91.83 102.70	57.88
33 42 11 00-0776	LF	95" x 67"	14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	285.07 32.21 97.92 109.51	62.01
33 42 11 00-0777	LF	103" x 71"	14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	303.30 34.20 103.97 116.29	66.14
33 42 11 00-0778	LF	112" x 75"	14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	322.11 36.19 110.01 123.04	70.28

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 42 11 00-0779	12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0769)</small>		
33 42 11 00-0780	LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch 195.30	29.77	
	For Bituminous Coated Pipe, Add 27.19		
	For Bituminous Coated And 25% Paved, Add 71.23		
	For Smooth-Flo, Add 84.28		
33 42 11 00-0781	LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch 237.40	36.38	
	For Bituminous Coated Pipe, Add 33.23		
	For Bituminous Coated And 25% Paved, Add 87.07		
	For Smooth-Flo, Add 103.03		
33 42 11 00-0782	LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch 283.95	52.91	
	For Bituminous Coated Pipe, Add 35.74		
	For Bituminous Coated And 25% Paved, Add 93.65		
	For Smooth-Flo, Add 110.81		
33 42 11 00-0783	LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch 307.47	57.88	
	For Bituminous Coated Pipe, Add 38.34		
	For Bituminous Coated And 25% Paved, Add 100.46		
	For Smooth-Flo, Add 118.87		
33 42 11 00-0784	LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch 328.79	62.01	
	For Bituminous Coated Pipe, Add 40.95		
	For Bituminous Coated And 25% Paved, Add 107.30		
	For Smooth-Flo, Add 126.96		
33 42 11 00-0785	LF 103" x 71" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch 350.09	66.14	
	For Bituminous Coated Pipe, Add 43.56		
	For Bituminous Coated And 25% Paved, Add 114.13		
	For Smooth-Flo, Add 135.04		
33 42 11 00-0786	LF 112" x 75" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch 371.95	70.28	
	For Bituminous Coated Pipe, Add 46.16		
	For Bituminous Coated And 25% Paved, Add 120.93		
	For Smooth-Flo, Add 143.08		
33 42 11 00-0787	LF 117" x 79" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch 396.20	74.41	
	For Bituminous Coated Pipe, Add 48.78		
	For Bituminous Coated And 25% Paved, Add 127.80		
	For Smooth-Flo, Add 151.21		
33 42 11 00-0788	LF 128" x 83" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch 422.29	82.68	
	For Bituminous Coated Pipe, Add 51.38		
	For Bituminous Coated And 25% Paved, Add 134.63		
	For Smooth-Flo, Add 159.29		
33 42 11 00-0789	LF 137" x 87" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch 449.32	90.95	
	For Bituminous Coated Pipe, Add 54.25		
	For Bituminous Coated And 25% Paved, Add 142.13		
	For Smooth-Flo, Add 168.17		
33 42 11 00-0790	10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0769)</small>		
33 42 11 00-0791	LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch 318.93	52.91	
	For Bituminous Coated Pipe, Add 42.74		
	For Bituminous Coated And 25% Paved, Add 101.72		
	For Smooth-Flo, Add 110.48		
33 42 11 00-0792	LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch 345.34	57.88	
	For Bituminous Coated Pipe, Add 45.92		
	For Bituminous Coated And 25% Paved, Add 109.28		
	For Smooth-Flo, Add 118.70		
33 42 11 00-0793	LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch 369.54	62.01	
	For Bituminous Coated Pipe, Add 49.10		
	For Bituminous Coated And 25% Paved, Add 116.87		
	For Smooth-Flo, Add 126.93		
33 42 11 00-0794	LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch 393.65	66.14	
	For Bituminous Coated Pipe, Add 52.27		
	For Bituminous Coated And 25% Paved, Add 124.41		
	For Smooth-Flo, Add 135.12		
33 42 11 00-0795	LF 112" x 75" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch 418.41	70.28	
	For Bituminous Coated Pipe, Add 55.45		
	For Bituminous Coated And 25% Paved, Add 131.97		
	For Smooth-Flo, Add 143.33		
33 42 11 00-0796	LF 117" x 79" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch 445.50	74.41	
	For Bituminous Coated Pipe, Add 58.64		
	For Bituminous Coated And 25% Paved, Add 139.56		
	For Smooth-Flo, Add 151.58		
33 42 11 00-0797	LF 128" x 83" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch 474.46	82.68	
	For Bituminous Coated Pipe, Add 61.82		
	For Bituminous Coated And 25% Paved, Add 147.13		
	For Smooth-Flo, Add 159.80		
33 42 11 00-0798	LF 137" x 87" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch 504.14	90.95	
	For Bituminous Coated Pipe, Add 65.21		
	For Bituminous Coated And 25% Paved, Add 155.20		
	For Smooth-Flo, Add 168.57		
33 42 11 00-0799	LF 142" x 91" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch 536.19	99.22	
	For Bituminous Coated Pipe, Add 69.29		
	For Bituminous Coated And 25% Paved, Add 164.90		
	For Smooth-Flo, Add 179.10		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0800 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0737)</small>		
33 42 11 00-0801 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0800)</small>		
33 42 11 00-0802 LF 81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	287.38	52.91
For Bituminous Coated Pipe, Add	36.43	
For Bituminous Coated And 25% Paved, Add	88.89	
For Smooth-Flo, Add	113.12	
33 42 11 00-0803 LF 87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	310.56	57.88
For Bituminous Coated Pipe, Add	38.96	
For Bituminous Coated And 25% Paved, Add	95.07	
For Smooth-Flo, Add	120.98	
33 42 11 00-0804 LF 95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	331.36	62.01
For Bituminous Coated Pipe, Add	41.47	
For Bituminous Coated And 25% Paved, Add	101.18	
For Smooth-Flo, Add	128.76	
33 42 11 00-0805 LF 103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	352.15	66.14
For Bituminous Coated Pipe, Add	43.97	
For Bituminous Coated And 25% Paved, Add	107.29	
For Smooth-Flo, Add	136.53	
33 42 11 00-0806 LF 112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	373.63	70.28
For Bituminous Coated Pipe, Add	46.49	
For Bituminous Coated And 25% Paved, Add	113.44	
For Smooth-Flo, Add	144.36	
33 42 11 00-0807 LF 117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	397.61	74.41
For Bituminous Coated Pipe, Add	49.06	
For Bituminous Coated And 25% Paved, Add	119.71	
For Smooth-Flo, Add	152.33	
33 42 11 00-0808 LF 128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	423.41	82.68
For Bituminous Coated Pipe, Add	51.61	
For Bituminous Coated And 25% Paved, Add	125.92	
For Smooth-Flo, Add	160.24	
33 42 11 00-0809 LF 137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	452.11	90.95
For Bituminous Coated Pipe, Add	54.81	
For Bituminous Coated And 25% Paved, Add	133.73	
For Smooth-Flo, Add	170.17	
33 42 11 00-0810 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0800)</small>		
33 42 11 00-0811 LF 81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	326.10	52.91
For Bituminous Coated Pipe, Add	44.17	
For Bituminous Coated And 25% Paved, Add	99.83	
For Smooth-Flo, Add	108.45	
33 42 11 00-0812 LF 87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	352.38	57.88
For Bituminous Coated Pipe, Add	47.33	
For Bituminous Coated And 25% Paved, Add	106.96	
For Smooth-Flo, Add	116.19	
33 42 11 00-0813 LF 95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	376.32	62.01
For Bituminous Coated Pipe, Add	50.46	
For Bituminous Coated And 25% Paved, Add	114.04	
For Smooth-Flo, Add	123.88	
33 42 11 00-0814 LF 103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	400.35	66.14
For Bituminous Coated Pipe, Add	53.61	
For Bituminous Coated And 25% Paved, Add	121.16	
For Smooth-Flo, Add	131.62	
33 42 11 00-0815 LF 112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	424.46	70.28
For Bituminous Coated Pipe, Add	56.66	
For Bituminous Coated And 25% Paved, Add	128.05	
For Smooth-Flo, Add	139.10	
33 42 11 00-0816 LF 117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	452.00	74.41
For Bituminous Coated Pipe, Add	59.94	
For Bituminous Coated And 25% Paved, Add	135.46	
For Smooth-Flo, Add	147.15	
33 42 11 00-0817 LF 128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	481.02	82.68
For Bituminous Coated Pipe, Add	63.13	
For Bituminous Coated And 25% Paved, Add	142.67	
For Smooth-Flo, Add	154.98	
33 42 11 00-0818 LF 137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	512.89	90.95
For Bituminous Coated Pipe, Add	66.96	
For Bituminous Coated And 25% Paved, Add	151.33	
For Smooth-Flo, Add	164.39	
33 42 11 00-0819 LF 142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	542.66	99.22
For Bituminous Coated Pipe, Add	70.58	
For Bituminous Coated And 25% Paved, Add	159.51	
For Smooth-Flo, Add	173.27	
33 42 11 00-0820 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0737)</small>		
33 42 11 00-0821 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0820)</small>		
33 42 11 00-0822 LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	51.92	8.57
33 42 11 00-0823 LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	59.25	9.35

33 Utilities
33 40 Stormwater Utilities
33 42 Stormwater Conveyance



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0824 LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	69.10	10.13
33 42 11 00-0825 LF 28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	78.37	10.90
33 42 11 00-0826 LF 35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	101.28	14.02
33 42 11 00-0827 LF 42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	132.48	18.19
33 42 11 00-0828 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch		
33 42 11 00-0829 LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	58.84	8.57
33 42 11 00-0830 LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	67.71	9.35
33 42 11 00-0831 LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	78.55	10.13
33 42 11 00-0832 LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	89.35	10.90
33 42 11 00-0833 LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	114.93	14.02
33 42 11 00-0834 LF 42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	148.71	18.19
33 42 11 00-0835 LF 49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	173.45	21.50
33 42 11 00-0836 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch		
33 42 11 00-0837 LF 21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	88.45	9.35
33 42 11 00-0838 LF 24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	103.12	10.13
33 42 11 00-0839 LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	117.17	10.90
33 42 11 00-0840 LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	149.65	14.02
33 42 11 00-0841 LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	190.65	18.19
33 42 11 00-0842 LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	222.29	21.50
33 42 11 00-0843 LF 57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	262.05	24.81
33 42 11 00-0844 LF 64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	291.03	28.12
33 42 11 00-0845 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch		
33 42 11 00-0846 LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	223.55	18.19
33 42 11 00-0847 LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	260.68	21.50
33 42 11 00-0848 LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	305.56	24.81
33 42 11 00-0849 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	340.22	28.12
33 42 11 00-0850 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	372.69	29.77
33 42 11 00-0851 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch		
33 42 11 00-0852 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch		
33 42 11 00-0853 LF 60" x 46" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	293.89	28.12
33 42 11 00-0854 LF 66" x 51" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	321.07	29.77
33 42 11 00-0855 LF 73" x 55" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	401.59	36.38
33 42 11 00-0856 LF 81" x 59" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	459.11	52.91
33 42 11 00-0857 LF 87" x 63" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	494.36	57.88
33 42 11 00-0858 LF 95" x 67" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	527.46	62.01
33 42 11 00-0859 LF 103" x 71" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	560.43	66.14
33 42 11 00-0860 LF 112" x 75" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	594.06	70.28
33 42 11 00-0861 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch		
33 42 11 00-0862 LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	400.39	29.77
33 42 11 00-0863 LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	489.89	36.38
33 42 11 00-0864 LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	555.21	52.91
33 42 11 00-0865 LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	598.12	57.88
33 42 11 00-0866 LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	638.92	62.01
33 42 11 00-0867 LF 103" x 71" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	679.67	66.14
33 42 11 00-0868 LF 112" x 75" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	720.93	70.28
33 42 11 00-0869 LF 117" x 79" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	764.72	74.41
33 42 11 00-0870 LF 128" x 83" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	810.26	82.68
33 42 11 00-0871 LF 137" x 87" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	858.69	90.95
33 42 11 00-0872 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch		
33 42 11 00-0873 LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	642.39	52.91
33 42 11 00-0874 LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	692.51	57.88
33 42 11 00-0875 LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	740.52	62.01
33 42 11 00-0876 LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	788.27	66.14
33 42 11 00-0877 LF 112" x 75" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	836.71	70.28
33 42 11 00-0878 LF 117" x 79" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	887.63	74.41
33 42 11 00-0879 LF 128" x 83" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	940.35	82.68
33 42 11 00-0880 LF 137" x 87" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	995.32	90.95
33 42 11 00-0881 LF 142" x 91" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,057.77	99.22
33 42 11 00-0882 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch		
33 42 11 00-0883 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0884 LF 81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	547.37	52.91
33 42 11 00-0885 LF 87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	588.32	57.88
33 42 11 00-0886 LF 95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	626.68	62.01
33 42 11 00-0887 LF 103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	664.98	66.14
33 42 11 00-0888 LF 112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	704.13	70.28
33 42 11 00-0889 LF 117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	746.09	74.41
33 42 11 00-0890 LF 128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	789.74	82.68
33 42 11 00-0891 LF 137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	840.82	90.95
33 42 11 00-0892 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0882)</small>		
33 42 11 00-0893 LF 81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	640.36	52.91
33 42 11 00-0894 LF 87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	688.69	57.88
33 42 11 00-0895 LF 95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	734.59	62.01
33 42 11 00-0896 LF 103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	780.70	66.14
33 42 11 00-0897 LF 112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	826.19	70.28
33 42 11 00-0898 LF 117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	876.67	74.41
33 42 11 00-0899 LF 128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	928.06	82.68
33 42 11 00-0900 LF 137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	986.88	90.95
33 42 11 00-0901 LF 142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,041.87	99.22
33 42 11 00-0902 Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0903)</small>		
33 42 11 00-0903 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0902)</small>		
33 42 11 00-0904 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0903)</small>		
33 42 11 00-0905 LF 12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	30.68	8.18
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	5.53	
33 42 11 00-0906 LF 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	34.82	8.57
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	6.96	
33 42 11 00-0907 LF 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	39.13	9.35
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	8.44	
33 42 11 00-0908 LF 21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	44.64	10.13
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	10.08	
33 42 11 00-0909 LF 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	49.48	10.90
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	11.36	
33 42 11 00-0910 LF 30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	65.24	14.02
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	14.73	
33 42 11 00-0911 LF 36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	84.59	18.19
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	18.59	
33 42 11 00-0912 LF 42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	96.52	21.50
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	21.99	
33 42 11 00-0913 LF 48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	108.47	24.81
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	24.64	
33 42 11 00-0914 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0903)</small>		
33 42 11 00-0915 LF 12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	33.66	8.18
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	5.25	
33 42 11 00-0916 LF 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	38.51	8.57
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	6.59	
33 42 11 00-0917 LF 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	43.52	9.35
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	7.96	
33 42 11 00-0918 LF 21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	49.73	10.13
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	9.47	
33 42 11 00-0919 LF 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	55.39	10.90
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	10.72	
33 42 11 00-0920 LF 30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	72.47	14.02
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	13.77	
33 42 11 00-0921 LF 36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	93.34	18.19
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	17.25	
33 42 11 00-0922 LF 42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	106.60	21.50
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	20.32	
33 42 11 00-0923 LF 48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	119.95	24.81
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	22.82	
33 42 11 00-0924 LF 54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	143.56	28.12
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	28.06	
33 42 11 00-0925 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0903)</small>		
33 42 11 00-0926 LF 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	52.75	9.35
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	7.42	
33 42 11 00-0927 LF 21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	60.51	10.13
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	8.78	
33 42 11 00-0928 LF 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	67.63	10.90
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	9.95	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0929 LF 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	87.75 12.68	14.02
33 42 11 00-0930 LF 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	111.77 15.74	18.19
33 42 11 00-0931 LF 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	127.96 18.46	21.50
33 42 11 00-0932 LF 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	144.32 20.82	24.81
33 42 11 00-0933 LF 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	171.39 25.14	28.12
33 42 11 00-0934 LF 60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	187.20 27.49	29.77
33 42 11 00-0935 LF 66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	228.45 33.80	36.38
33 42 11 00-0936 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0903)</small>		
33 42 11 00-0937 LF 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	128.35 17.24	18.19
33 42 11 00-0938 LF 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	147.34 20.21	21.50
33 42 11 00-0939 LF 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	166.33 22.82	24.81
33 42 11 00-0940 LF 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	196.07 27.19	28.12
33 42 11 00-0941 LF 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	214.66 29.82	29.77
33 42 11 00-0942 LF 66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	258.61 35.98	36.38
33 42 11 00-0943 LF 72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	306.12 38.57	52.91
33 42 11 00-0944 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0902)</small>		
33 42 11 00-0945 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0944)</small>		
33 42 11 00-0946 LF 36" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	97.62 20.66	18.19
33 42 11 00-0947 LF 42" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	111.44 24.27	21.50
33 42 11 00-0948 LF 48" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	125.24 27.21	24.81
33 42 11 00-0949 LF 54" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	149.44 33.24	28.12
33 42 11 00-0950 LF 60" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	162.83 36.21	29.77
33 42 11 00-0951 LF 66" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	204.14 46.52	36.38
33 42 11 00-0952 LF 72" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	246.89 49.58	52.91
33 42 11 00-0953 LF 78" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	266.19 52.65	57.88
33 42 11 00-0954 LF 84" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	283.26 55.73	62.01
33 42 11 00-0955 LF 90" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	300.34 58.82	66.14
33 42 11 00-0956 LF 96" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	318.00 61.89	70.28
33 42 11 00-0957 LF 102" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	338.01 65.00	74.41
33 42 11 00-0958 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0944)</small>		
33 42 11 00-0959 LF 54" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	164.41 28.80	28.12
33 42 11 00-0960 LF 60" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	179.38 31.45	29.77
33 42 11 00-0961 LF 66" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	222.34 39.59	36.38
33 42 11 00-0962 LF 72" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	266.73 42.31	52.91
33 42 11 00-0963 LF 78" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	287.63 45.03	57.88
33 42 11 00-0964 LF 84" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	306.40 47.78	62.01
33 42 11 00-0965 LF 90" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	325.05 50.50	66.14
33 42 11 00-0966 LF 96" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	344.31 53.22	70.28
33 42 11 00-0967 LF 102" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	365.92 55.97	74.41



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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0968	LF		108" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	389.42 58.70	82.68
33 42 11 00-0969	LF		114" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	412.40 61.39	90.95
33 42 11 00-0970			12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0944)</small>		
33 42 11 00-0971	LF		60" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	216.16 42.18	29.77
33 42 11 00-0972	LF		66" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	263.06 51.60	36.38
33 42 11 00-0973	LF		72" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	310.99 55.35	52.91
33 42 11 00-0974	LF		78" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	335.50 59.11	57.88
33 42 11 00-0975	LF		84" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	357.81 62.89	62.01
33 42 11 00-0976	LF		90" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	380.06 66.65	66.14
33 42 11 00-0977	LF		96" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	402.90 70.41	70.28
33 42 11 00-0978	LF		102" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	428.08 74.18	74.41
33 42 11 00-0979	LF		108" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	455.13 77.95	82.68
33 42 11 00-0980	LF		114" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	481.71 81.68	90.95
33 42 11 00-0981	LF		120" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	507.43 85.45	99.22
33 42 11 00-0982			10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0944)</small>		
33 42 11 00-0983	LF		72" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	352.27 67.94	52.91
33 42 11 00-0984	LF		78" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	380.10 72.70	57.88
33 42 11 00-0985	LF		84" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	405.81 77.49	62.01
33 42 11 00-0986	LF		90" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	431.42 82.26	66.14
33 42 11 00-0987	LF		96" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	457.69 87.04	70.28
33 42 11 00-0988	LF		102" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	486.28 91.84	74.41
33 42 11 00-0989	LF		108" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	516.67 96.61	82.68
33 42 11 00-0990	LF		114" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	546.63 101.35	90.95
33 42 11 00-0991	LF		120" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	575.76 106.15	99.22
33 42 11 00-0992	LF		126" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	606.38 110.91	107.48
33 42 11 00-0993	LF		132" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	639.12 115.70	115.75
33 42 11 00-0994	LF		138" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	674.40 120.50	124.02
33 42 11 00-0995			125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0902)</small>		
33 42 11 00-0996			16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0995)</small>		
33 42 11 00-0997	LF		48" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	125.72 33.72	24.81
33 42 11 00-0998	LF		54" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	150.31 41.31	28.12
33 42 11 00-0999	LF		60" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	163.59 44.92	29.77
33 42 11 00-1000	LF		66" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	202.45 56.56	36.38
33 42 11 00-1001	LF		72" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	245.00 60.24	52.91
33 42 11 00-1002	LF		78" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	264.08 63.93	57.88
33 42 11 00-1003	LF		84" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	280.84 67.59	62.01
33 42 11 00-1004	LF		90" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	297.56 71.23	66.14
33 42 11 00-1005	LF		96" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	315.05 74.94	70.28
33 42 11 00-1006	LF		102" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	334.99 78.74	74.41

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1007			14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0995)</small>		
33 42 11 00-1008	LF		54" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	169.03	28.12
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	38.95	
33 42 11 00-1009	LF		60" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	184.44	29.77
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	42.53	
33 42 11 00-1010	LF		66" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	225.16	36.38
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	52.34	
33 42 11 00-1011	LF		72" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	269.57	52.91
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	55.88	
33 42 11 00-1012	LF		78" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	290.84	57.88
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	59.53	
33 42 11 00-1013	LF		84" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	309.69	62.01
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	63.13	
33 42 11 00-1014	LF		90" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	327.47	66.14
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	66.36	
33 42 11 00-1015	LF		96" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	347.94	70.28
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	70.30	
33 42 11 00-1016	LF		102" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	369.66	74.41
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	73.90	
33 42 11 00-1017	LF		108" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	393.19	82.68
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	77.46	
33 42 11 00-1018	LF		114" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	416.62	90.95
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	81.10	
33 42 11 00-1019			12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0995)</small>		
33 42 11 00-1020	LF		60" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	223.42	29.77
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	46.92	
33 42 11 00-1021	LF		66" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	268.13	36.38
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	56.31	
33 42 11 00-1022	LF		72" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	316.62	52.91
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	60.46	
33 42 11 00-1023	LF		78" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	341.49	57.88
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	64.56	
33 42 11 00-1024	LF		84" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	364.03	62.01
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	68.64	
33 42 11 00-1025	LF		90" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	386.76	66.14
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	72.78	
33 42 11 00-1026	LF		96" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	409.96	70.28
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	76.87	
33 42 11 00-1027	LF		102" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	435.43	74.41
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	80.97	
33 42 11 00-1028	LF		108" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	462.92	82.68
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	85.10	
33 42 11 00-1029	LF		114" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	489.98	90.95
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	89.20	
33 42 11 00-1030	LF		120" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	516.02	99.22
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	93.31	
33 42 11 00-1031			10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0995)</small>		
33 42 11 00-1032	LF		72" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	361.67	52.91
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	73.34	
33 42 11 00-1033	LF		78" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	390.73	57.88
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	78.64	
33 42 11 00-1034	LF		84" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	417.18	62.01
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	83.84	
33 42 11 00-1035	LF		90" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	443.46	66.14
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	88.99	
33 42 11 00-1036	LF		96" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	470.49	70.28
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	94.19	
33 42 11 00-1037	LF		102" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	499.70	74.41
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	99.35	
33 42 11 00-1038	LF		108" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	530.91	82.68
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	104.54	
33 42 11 00-1039	LF		114" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	561.74	90.95
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	109.73	
33 42 11 00-1040	LF		120" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	591.46	99.22
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	114.89	
33 42 11 00-1041	LF		126" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	628.61	107.48
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	121.70	
33 42 11 00-1042	LF		132" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	663.55	115.75
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	127.31	
33 42 11 00-1043	LF		138" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	701.75	124.02
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	133.14	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1044 Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0902)</small>		
33 42 11 00-1045 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1044)</small>		
33 42 11 00-1046 LF 18" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	44.17	9.35
33 42 11 00-1047 LF 21" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	50.47	10.13
33 42 11 00-1048 LF 24" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	56.38	10.90
33 42 11 00-1049 LF 30" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	73.65	14.02
33 42 11 00-1050 LF 36" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	94.47	18.19
33 42 11 00-1051 LF 42" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	107.92	21.50
33 42 11 00-1052 LF 48" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	121.72	24.81
33 42 11 00-1053 LF 54" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	144.35	28.12
33 42 11 00-1054 LF 60" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	157.71	29.77
33 42 11 00-1055 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1044)</small>		
33 42 11 00-1056 LF 18" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	48.50	9.35
33 42 11 00-1057 LF 21" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	55.53	10.13
33 42 11 00-1058 LF 24" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	62.12	10.90
33 42 11 00-1059 LF 30" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	80.83	14.02
33 42 11 00-1060 LF 36" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	103.10	18.19
33 42 11 00-1061 LF 42" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	118.02	21.50
33 42 11 00-1062 LF 48" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	133.26	24.81
33 42 11 00-1063 LF 54" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	157.32	28.12
33 42 11 00-1064 LF 60" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	172.17	29.77
33 42 11 00-1065 LF 66" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	209.31	36.38
33 42 11 00-1066 LF 72" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	253.13	52.91
33 42 11 00-1067 LF 78" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	273.62	57.88
33 42 11 00-1068 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1044)</small>		
33 42 11 00-1069 LF 30" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	95.38	14.02
33 42 11 00-1070 LF 36" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	120.52	18.19
33 42 11 00-1071 LF 42" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	138.42	21.50
33 42 11 00-1072 LF 48" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	156.53	24.81
33 42 11 00-1073 LF 54" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	183.49	28.12
33 42 11 00-1074 LF 60" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	201.30	29.77
33 42 11 00-1075 LF 66" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	241.28	36.38
33 42 11 00-1076 LF 72" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	287.97	52.91
33 42 11 00-1077 LF 78" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	311.35	57.88
33 42 11 00-1078 LF 84" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	332.40	62.01
33 42 11 00-1079 LF 90" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	353.47	66.14
33 42 11 00-1080 LF 96" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	375.07	70.28
33 42 11 00-1081 LF 102" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	397.58	74.41
33 42 11 00-1082 Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-0393)</small>		
33 42 11 00-1083 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1082)</small>		
33 42 11 00-1084 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1083)</small>		
33 42 11 00-1085 LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	35.83	8.57
For 1/2 Bituminous Coated And 40% Paved, Add	8.99	
33 42 11 00-1086 LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	40.03	9.35
For 1/2 Bituminous Coated And 40% Paved, Add	10.74	
33 42 11 00-1087 LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	45.88	10.13
For 1/2 Bituminous Coated And 40% Paved, Add	12.92	
33 42 11 00-1088 LF 28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	51.56	10.90
For 1/2 Bituminous Coated And 40% Paved, Add	14.88	
33 42 11 00-1089 LF 35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	67.12	14.02
For 1/2 Bituminous Coated And 40% Paved, Add	18.91	
33 42 11 00-1090 LF 42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	88.05	18.19
For 1/2 Bituminous Coated And 40% Paved, Add	24.39	
33 42 11 00-1091 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1083)</small>		
33 42 11 00-1092 LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	39.52	8.57
For 1/2 Bituminous Coated And 40% Paved, Add	9.32	
33 42 11 00-1093 LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	44.50	9.35
For 1/2 Bituminous Coated And 40% Paved, Add	11.16	
33 42 11 00-1094 LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	50.92	10.13
For 1/2 Bituminous Coated And 40% Paved, Add	13.28	
33 42 11 00-1095 LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	57.39	10.90
For 1/2 Bituminous Coated And 40% Paved, Add	15.31	
33 42 11 00-1096 LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	74.38	14.02
For 1/2 Bituminous Coated And 40% Paved, Add	19.38	
33 42 11 00-1097 LF 42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	96.69	18.19
For 1/2 Bituminous Coated And 40% Paved, Add	24.70	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1098 LF 49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	111.32 29.42	21.50
33 42 11 00-1099 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1083)</small>		
33 42 11 00-1100 LF 21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	53.62 10.22	9.35
33 42 11 00-1101 LF 24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	61.72 12.15	10.13
33 42 11 00-1102 LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	69.63 13.95	10.90
33 42 11 00-1103 LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	89.67 17.60	14.02
33 42 11 00-1104 LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	115.15 22.13	18.19
33 42 11 00-1105 LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	132.85 26.23	21.50
33 42 11 00-1106 LF 57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	155.55 31.23	24.81
33 42 11 00-1107 LF 64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	173.59 34.43	28.12
33 42 11 00-1108 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1083)</small>		
33 42 11 00-1109 LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	131.72 23.29	18.19
33 42 11 00-1110 LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	152.18 27.52	21.50
33 42 11 00-1111 LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	177.47 32.50	24.81
33 42 11 00-1112 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	198.38 35.98	28.12
33 42 11 00-1113 LF 71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	217.17 39.45	29.77
33 42 11 00-1114 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1082)</small>		
33 42 11 00-1115 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1114)</small>		
33 42 11 00-1116 LF 60" x 46" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	167.37 51.71	28.12
33 42 11 00-1117 LF 66" x 51" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	182.89 56.58	29.77
33 42 11 00-1118 LF 73" x 55" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	226.39 71.06	36.38
33 42 11 00-1119 LF 81" x 59" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	271.57 76.18	52.91
33 42 11 00-1120 LF 87" x 63" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	293.85 81.57	57.88
33 42 11 00-1121 LF 95" x 67" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	313.91 86.97	62.01
33 42 11 00-1122 LF 103" x 71" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	333.91 92.34	66.14
33 42 11 00-1123 LF 112" x 75" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	354.56 97.73	70.28
33 42 11 00-1124 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1114)</small>		
33 42 11 00-1125 LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	219.70 64.30	29.77
33 42 11 00-1126 LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	267.20 78.58	36.38
33 42 11 00-1127 LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	316.00 84.52	52.91
33 42 11 00-1128 LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	341.83 90.66	57.88
33 42 11 00-1129 LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	365.52 96.84	62.01
33 42 11 00-1130 LF 103" x 71" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	389.15 103.00	66.14
33 42 11 00-1131 LF 112" x 75" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	413.34 109.14	70.28
33 42 11 00-1132 LF 117" x 79" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	439.93 115.34	74.41
33 42 11 00-1133 LF 128" x 83" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	468.35 121.49	82.68
33 42 11 00-1134 LF 137" x 87" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	497.98 128.28	90.95



Utilities	33	CS
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1135 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1114)</small>		
33 42 11 00-1136 LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	357.25	52.91
For 1/2 Bituminous Coated And 40% Paved, Add	91.48	
33 42 11 00-1137 LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	386.51	57.88
For 1/2 Bituminous Coated And 40% Paved, Add	98.29	
33 42 11 00-1138 LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	413.58	62.01
For 1/2 Bituminous Coated And 40% Paved, Add	105.11	
33 42 11 00-1139 LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	440.54	66.14
For 1/2 Bituminous Coated And 40% Paved, Add	111.89	
33 42 11 00-1140 LF 112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	470.41	70.28
For 1/2 Bituminous Coated And 40% Paved, Add	119.51	
33 42 11 00-1141 LF 112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	498.09	74.41
For 1/2 Bituminous Coated And 40% Paved, Add	125.52	
33 42 11 00-1142 LF 128" x 83" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	529.92	82.68
For 1/2 Bituminous Coated And 40% Paved, Add	132.33	
33 42 11 00-1143 LF 137" x 87" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	562.61	90.95
For 1/2 Bituminous Coated And 40% Paved, Add	139.58	
33 42 11 00-1144 LF 142" x 91" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	598.32	99.22
For 1/2 Bituminous Coated And 40% Paved, Add	148.31	
33 42 11 00-1145 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1082)</small>		
33 42 11 00-1146 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1145)</small>		
33 42 11 00-1147 LF 81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	320.16	52.91
For 1/2 Bituminous Coated And 40% Paved, Add	83.18	
33 42 11 00-1148 LF 87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	345.63	57.88
For 1/2 Bituminous Coated And 40% Paved, Add	88.96	
33 42 11 00-1149 LF 95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	368.70	62.01
For 1/2 Bituminous Coated And 40% Paved, Add	94.69	
33 42 11 00-1150 LF 103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	391.74	66.14
For 1/2 Bituminous Coated And 40% Paved, Add	100.41	
33 42 11 00-1151 LF 112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	415.48	70.28
For 1/2 Bituminous Coated And 40% Paved, Add	106.16	
33 42 11 00-1152 LF 117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	441.76	74.41
For 1/2 Bituminous Coated And 40% Paved, Add	112.02	
33 42 11 00-1153 LF 128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	469.87	82.68
For 1/2 Bituminous Coated And 40% Paved, Add	117.84	
33 42 11 00-1154 LF 137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	501.44	90.95
For 1/2 Bituminous Coated And 40% Paved, Add	125.14	
33 42 11 00-1155 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1145)</small>		
33 42 11 00-1156 LF 81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	365.86	52.91
For 1/2 Bituminous Coated And 40% Paved, Add	92.26	
33 42 11 00-1157 LF 87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	394.98	57.88
For 1/2 Bituminous Coated And 40% Paved, Add	98.85	
33 42 11 00-1158 LF 95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	421.74	62.01
For 1/2 Bituminous Coated And 40% Paved, Add	105.39	
33 42 11 00-1159 LF 103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	448.61	66.14
For 1/2 Bituminous Coated And 40% Paved, Add	111.98	
33 42 11 00-1160 LF 112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	475.47	70.28
For 1/2 Bituminous Coated And 40% Paved, Add	118.34	
33 42 11 00-1161 LF 117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	505.95	74.41
For 1/2 Bituminous Coated And 40% Paved, Add	125.19	
33 42 11 00-1162 LF 128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	537.86	82.68
For 1/2 Bituminous Coated And 40% Paved, Add	131.86	
33 42 11 00-1163 LF 137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	573.17	90.95
For 1/2 Bituminous Coated And 40% Paved, Add	139.86	
33 42 11 00-1164 LF 142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	606.20	99.22
For 1/2 Bituminous Coated And 40% Paved, Add	147.42	
33 42 11 00-1165 Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-0393)</small>		
33 42 11 00-1166 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1165)</small>		
33 42 11 00-1167 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1166)</small>		
33 42 11 00-1168 LF 6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	18.25	4.67
For Bituminous Coated Pipe, Add	1.71	
33 42 11 00-1169 LF 8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	23.42	5.84
For Bituminous Coated Pipe, Add	2.32	
33 42 11 00-1170 LF 10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	30.31	7.02
For Bituminous Coated Pipe, Add	3.06	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1171		16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1166)</small>		
33 42 11 00-1172	LF	6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	20.21 1.69	4.67
33 42 11 00-1173	LF	8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	26.20 2.32	5.84
33 42 11 00-1174	LF	10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	34.01 3.06	7.02
33 42 11 00-1175		2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1165)</small>		
33 42 11 00-1176		16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1175)</small>		
33 42 11 00-1177	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	35.18 3.36	8.18
33 42 11 00-1178	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	40.42 4.22	8.57
33 42 11 00-1179	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	45.98 5.13	9.35
33 42 11 00-1180	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	52.78 6.12	10.13
33 42 11 00-1181	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	58.90 6.94	10.90
33 42 11 00-1182		14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1175)</small>		
33 42 11 00-1183	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	39.39 3.29	8.18
33 42 11 00-1184	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	45.78 4.14	8.57
33 42 11 00-1185	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	52.40 5.02	9.35
33 42 11 00-1186	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	60.23 5.96	10.13
33 42 11 00-1187	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	67.45 6.77	10.90
33 42 11 00-1188	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	87.83 8.68	14.02
33 42 11 00-1189	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	112.01 10.79	18.19
33 42 11 00-1190		12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1175)</small>		
33 42 11 00-1191	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	83.79 6.43	10.90
33 42 11 00-1192	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	108.17 8.18	14.02
33 42 11 00-1193	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	136.44 10.08	18.19
33 42 11 00-1194	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	157.19 11.85	21.50
33 42 11 00-1195	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	177.77 13.42	24.81
33 42 11 00-1196	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	209.02 15.92	28.12
33 42 11 00-1197		10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1175)</small>		
33 42 11 00-1198	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	162.47 9.91	18.19
33 42 11 00-1199	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	187.52 11.63	21.50
33 42 11 00-1200	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	212.53 13.20	24.81
33 42 11 00-1201	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	248.13 15.49	28.12
33 42 11 00-1202	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	272.76 17.07	29.77
33 42 11 00-1203		3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1165)</small>		
33 42 11 00-1204		16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1203)</small>		
33 42 11 00-1205	LF	30" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	86.50	14.02



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1206 LF 36" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	110.35	18.19
33 42 11 00-1207 LF 42" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	126.22	21.50
33 42 11 00-1208 LF 48" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	142.92	24.81
33 42 11 00-1209 LF 54" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	168.65	28.12
33 42 11 00-1210 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum		
Piping <small>(33 42 11 00-1203)</small>		
33 42 11 00-1211 LF 30" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	97.21	14.02
33 42 11 00-1212 LF 36" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	125.64	18.19
33 42 11 00-1213 LF 42" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	143.96	21.50
33 42 11 00-1214 LF 48" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	162.28	24.81
33 42 11 00-1215 LF 54" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	191.33	28.12
33 42 11 00-1216 LF 60" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	209.19	29.77
33 42 11 00-1217 LF 66" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	254.39	36.38
33 42 11 00-1218 LF 72" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	301.49	52.91
33 42 11 00-1219 LF 78" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	325.16	57.88
33 42 11 00-1220 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum		
Piping <small>(33 42 11 00-1203)</small>		
33 42 11 00-1221 LF 30" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	122.22	14.02
33 42 11 00-1222 LF 36" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	153.76	18.19
33 42 11 00-1223 LF 42" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	177.57	21.50
33 42 11 00-1224 LF 48" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	200.83	24.81
33 42 11 00-1225 LF 54" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	234.60	28.12
33 42 11 00-1226 LF 60" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	257.11	29.77
33 42 11 00-1227 LF 66" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	306.94	36.38
33 42 11 00-1228 LF 72" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	358.81	52.91
33 42 11 00-1229 LF 78" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	387.16	57.88
33 42 11 00-1230 LF 84" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	413.33	62.01
33 42 11 00-1231 LF 90" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	439.43	66.14
33 42 11 00-1232 LF 96" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	466.14	70.28
33 42 11 00-1233 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum		
Piping <small>(33 42 11 00-1203)</small>		
33 42 11 00-1234 LF 60" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	307.50	29.77
33 42 11 00-1235 LF 66" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	360.25	36.38
33 42 11 00-1236 LF 72" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	416.90	52.91
33 42 11 00-1237 LF 78" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	450.04	57.88
33 42 11 00-1238 LF 84" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	480.93	62.01
33 42 11 00-1239 LF 90" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	511.80	66.14
33 42 11 00-1240 LF 96" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	543.26	70.28
33 42 11 00-1241 LF 102" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	577.09	74.41
33 42 11 00-1242 LF 108" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	612.77	82.68
33 42 11 00-1243 Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1165)</small>		
<small>Note: Contech ULTRA FLO. HS 20 and HS 25 vehicular loading.</small>		
33 42 11 00-1244 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel		
Piping <small>(33 42 11 00-1243)</small>		
33 42 11 00-1245 LF 18" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	60.40	9.35
33 42 11 00-1246 LF 21" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	64.96	10.13
33 42 11 00-1247 LF 24" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	78.07	10.90
33 42 11 00-1248 LF 27" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	90.15	12.46
33 42 11 00-1249 LF 30" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	101.17	14.02
33 42 11 00-1250 LF 33" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	112.68	15.58
33 42 11 00-1251 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel		
Piping <small>(33 42 11 00-1243)</small>		
33 42 11 00-1252 LF 18" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	69.46	9.35
33 42 11 00-1253 LF 21" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	80.15	10.13
33 42 11 00-1254 LF 24" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	90.26	10.90
33 42 11 00-1255 LF 27" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	103.82	12.46
33 42 11 00-1256 LF 30" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	116.34	14.02
33 42 11 00-1257 LF 33" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	129.39	15.58
33 42 11 00-1258 LF 36" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	146.44	18.19
33 42 11 00-1259 LF 42" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	168.84	21.50
33 42 11 00-1260 LF 48" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	191.03	24.81
33 42 11 00-1261 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel		
Piping <small>(33 42 11 00-1243)</small>		
33 42 11 00-1262 LF 30" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	146.00	14.02
33 42 11 00-1263 LF 33" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	161.95	15.58

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1264 LF 36" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	182.01	18.19
33 42 11 00-1265 LF 42" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	210.38	21.50
33 42 11 00-1266 LF 48" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	238.50	24.81
33 42 11 00-1267 LF 54" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	328.89	28.12
33 42 11 00-1268 LF 60" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	361.92	29.77
33 42 11 00-1269 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1243)</small>		
33 42 11 00-1270 LF 48" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	335.22	24.81
33 42 11 00-1271 LF 54" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	388.52	28.12
33 42 11 00-1272 LF 60" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	428.25	29.77
33 42 11 00-1273 LF 66" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	497.75	36.38
33 42 11 00-1274 LF 72" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	565.83	52.91
33 42 11 00-1275 LF 78" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	610.93	57.88
33 42 11 00-1276 LF 84" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	653.42	62.01
33 42 11 00-1277 Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-0393)</small>		
33 42 11 00-1278 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1277)</small>		
33 42 11 00-1279 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1278)</small>		
33 42 11 00-1280 LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	42.33	8.57
<i>For Bituminous Coated Pipe, Add</i>	4.23	
33 42 11 00-1281 LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	47.79	9.35
<i>For Bituminous Coated Pipe, Add</i>	5.05	
33 42 11 00-1282 LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	54.85	10.13
<i>For Bituminous Coated Pipe, Add</i>	6.01	
33 42 11 00-1283 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1278)</small>		
33 42 11 00-1284 LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	47.70	8.57
<i>For Bituminous Coated Pipe, Add</i>	4.21	
33 42 11 00-1285 LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	52.95	9.35
<i>For Bituminous Coated Pipe, Add</i>	4.86	
33 42 11 00-1286 LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	62.29	10.13
<i>For Bituminous Coated Pipe, Add</i>	5.97	
33 42 11 00-1287 LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	70.25	10.90
<i>For Bituminous Coated Pipe, Add</i>	6.84	
33 42 11 00-1288 LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	90.62	14.02
<i>For Bituminous Coated Pipe, Add</i>	8.66	
33 42 11 00-1289 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1278)</small>		
33 42 11 00-1290 LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	86.60	10.90
<i>For Bituminous Coated Pipe, Add</i>	6.52	
33 42 11 00-1291 LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	111.00	14.02
<i>For Bituminous Coated Pipe, Add</i>	8.22	
33 42 11 00-1292 LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	141.24	18.19
<i>For Bituminous Coated Pipe, Add</i>	10.27	
33 42 11 00-1293 LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	163.51	21.50
<i>For Bituminous Coated Pipe, Add</i>	12.14	
33 42 11 00-1294 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1278)</small>		
33 42 11 00-1295 LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	167.24	18.19
<i>For Bituminous Coated Pipe, Add</i>	9.91	
33 42 11 00-1296 LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	193.89	21.50
<i>For Bituminous Coated Pipe, Add</i>	11.69	
33 42 11 00-1297 LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	225.32	24.81
<i>For Bituminous Coated Pipe, Add</i>	13.69	
33 42 11 00-1298 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	252.33	28.12
<i>For Bituminous Coated Pipe, Add</i>	15.24	
33 42 11 00-1299 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1277)</small>		
33 42 11 00-1300 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1299)</small>		
33 42 11 00-1301 LF 60" x 46" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	195.54	28.12
33 42 11 00-1302 LF 66" x 51" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	214.08	29.77
33 42 11 00-1303 LF 73" x 55" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	260.43	36.38
33 42 11 00-1304 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1299)</small>		
33 42 11 00-1305 LF 60" x 46" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	238.81	28.12
33 42 11 00-1306 LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	261.99	29.77
33 42 11 00-1307 LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	312.76	36.38
33 42 11 00-1308 LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	365.07	52.91



	Utilities	33
	Stormwater Utilities	33 40
	Stormwater Conveyance	33 42

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1309 LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	393.87	57.88
33 42 11 00-1310 LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	420.49	62.01
33 42 11 00-1311 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1299)</small>		
33 42 11 00-1312 LF 66" x 51" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	312.32	29.77
33 42 11 00-1313 LF 73" x 55" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	365.86	36.38
33 42 11 00-1314 LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	422.94	52.91
33 42 11 00-1315 LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	456.52	57.88
33 42 11 00-1316 LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	487.85	62.01
33 42 11 00-1317 LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	519.16	66.14
33 42 11 00-1318 Corrugated Steel Pipe Fittings <small>(33 42 11 00-0393)</small>		
Note: Equivalent pipe-arch sizes are approximate.		
33 42 11 00-1319 Fabricate 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fittings <small>(33 42 11 00-1318)</small>		
Note: Excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 42 11 00-1320 EA Fabricate 6" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe).....	71.31	
33 42 11 00-1321 EA Fabricate 8" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe).....	89.42	
33 42 11 00-1322 EA Fabricate 10" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe).....	107.54	
33 42 11 00-1323 EA Fabricate 12" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	126.80	
33 42 11 00-1324 EA Fabricate 15" (Or 17" x 13" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	153.94	
33 42 11 00-1325 EA Fabricate 18" (Or 21" x 15" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	181.10	
33 42 11 00-1326 EA Fabricate 21" (Or 24" x 18" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	208.28	
33 42 11 00-1327 EA Fabricate 24" (Or 28" x 20" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	235.43	
33 42 11 00-1328 EA Fabricate 30" (Or 35" x 24" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	306.76	
33 42 11 00-1329 EA Fabricate 36" (Or 42" x 29" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	365.61	
33 42 11 00-1330 EA Fabricate 42" (Or 49" x 33" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	424.47	
33 42 11 00-1331 EA Fabricate 48" (Or 57" x 38" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	548.98	
33 42 11 00-1332 EA Fabricate 54" (Or 64" x 43" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	619.17	
33 42 11 00-1333 EA Fabricate 60" (Or 71" x 47" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	691.61	
33 42 11 00-1334 EA Fabricate 66" (Or 77" x 52" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	766.31	
33 42 11 00-1335 EA Fabricate 72" (Or 83" x 57" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	933.83	
33 42 11 00-1336 EA Fabricate 78" (Or 87" x 63" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	1,018.72	
33 42 11 00-1337 EA Fabricate 84" (Or 95" x 67" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	1,105.88	
33 42 11 00-1338 EA Fabricate 90" (Or 103" x 71" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,357.17	
33 42 11 00-1339 EA Fabricate 96" (Or 112" x 75" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,456.79	
33 42 11 00-1340 EA Fabricate 102" (Or 117" x 79" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,557.53	
33 42 11 00-1341 EA Fabricate 108" (Or 128" x 83" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,658.26	
33 42 11 00-1342 EA Fabricate 114" (Or 137" x 87" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,757.87	
33 42 11 00-1343 EA Fabricate 120" (Or 142" x 91" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,858.61	
33 42 11 00-1344 EA Fabricate 126" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,964.84	
33 42 11 00-1345 EA Fabricate 132" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	2,077.12	
33 42 11 00-1346 EA Fabricate 138" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	2,195.80	
33 42 11 00-1347 Fabricate Corrugated Steel Pipe Tees Or Laterals <small>(33 42 11 00-1318)</small>		
Note: Fabrication charge excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 42 11 00-1348 EA Fabricate 6" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	92.82	
33 42 11 00-1349 EA Fabricate 8" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	118.85	
33 42 11 00-1350 EA Fabricate 10" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	144.87	
33 42 11 00-1351 EA Fabricate 12" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	170.93	
33 42 11 00-1352 EA Fabricate 15" (Or 17" x 13" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	208.28	
33 42 11 00-1353 EA Fabricate 18" (Or 21" x 15" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	246.75	
33 42 11 00-1354 EA Fabricate 21" (Or 24" x 18" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	285.26	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1355	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	323.71	
33 42 11 00-1356	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	424.47	
33 42 11 00-1357	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	505.97	
33 42 11 00-1358	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	588.60	
33 42 11 00-1359	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	764.04	
33 42 11 00-1360	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	860.25	
33 42 11 00-1361	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	959.86	
33 42 11 00-1362	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,061.73	
33 42 11 00-1363	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,294.90	
33 42 11 00-1364	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,410.37	
33 42 11 00-1365	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,528.09	
33 42 11 00-1366	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe).....	1,880.09	
33 42 11 00-1367	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe).....	2,014.81	
33 42 11 00-1368	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe).....	2,149.51	
33 42 11 00-1369	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe).....	2,285.32	
33 42 11 00-1370	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe).....	2,421.16	
33 42 11 00-1371	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe).....	2,555.85	
33 42 11 00-1372	EA	Fabricate 126" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 23' Of Appropriate Pipe).....	2,698.03	
33 42 11 00-1373	EA	Fabricate 132" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe).....	2,848.13	
33 42 11 00-1374	EA	Fabricate 138" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe).....	3,006.55	

33 42 11 00-1375 Fabricate Skew Or Bevel Ends, Corrugated Steel Pipe Fitting (33 42 11 00-1318)

Note: Applied to pipe tasks.

33 42 11 00-1376	EA	Fabricate 6" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	35.78	
33 42 11 00-1377	EA	Fabricate 8" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	45.01	
33 42 11 00-1378	EA	Fabricate 10" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	56.60	
33 42 11 00-1379	EA	Fabricate 12" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	69.31	
33 42 11 00-1380	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	87.70	
33 42 11 00-1381	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	107.40	
33 42 11 00-1382	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	125.80	
33 42 11 00-1383	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	146.16	
33 42 11 00-1384	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	179.52	
33 42 11 00-1385	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	214.04	
33 42 11 00-1386	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	255.38	
33 42 11 00-1387	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	314.15	
33 42 11 00-1388	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	355.58	
33 42 11 00-1389	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	400.44	
33 42 11 00-1390	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	485.61	
33 42 11 00-1391	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	538.53	
33 42 11 00-1392	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	657.06	
33 42 11 00-1393	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	715.77	
33 42 11 00-1394	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	777.93	
33 42 11 00-1395	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	838.88	
33 42 11 00-1396	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	901.02	
33 42 11 00-1397	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	964.31	
33 42 11 00-1398	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,026.47	
33 42 11 00-1399	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,088.59	
33 42 11 00-1400	EA	Fabricate 126" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,154.48	
33 42 11 00-1401	EA	Fabricate 132" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,224.34	
33 42 11 00-1402	EA	Fabricate 138" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,298.44	

33 42 11 00-1403 Coupling Bands, Corrugated Metal Pipe Fitting (33 42 11 00-1318)

33 42 11 00-1404	EA	6" Coupling Band, Corrugated Metal Pipe Fitting.....	9.79	
		<i>For Bituminous Coated, Add</i>	2.84	
33 42 11 00-1405	EA	8" Coupling Band, Corrugated Metal Pipe Fitting.....	13.00	
		<i>For Bituminous Coated, Add</i>	3.77	
33 42 11 00-1406	EA	10" Coupling Band, Corrugated Metal Pipe Fitting.....	16.38	
		<i>For Bituminous Coated, Add</i>	4.75	
33 42 11 00-1407	EA	12" Coupling Band, Corrugated Metal Pipe Fitting.....	27.18	
		<i>For Bituminous Coated, Add</i>	7.88	
33 42 11 00-1408	EA	15" Coupling Band, Corrugated Metal Pipe Fitting.....	34.27	
		<i>For Bituminous Coated, Add</i>	9.94	
33 42 11 00-1409	EA	18" Coupling Band, Corrugated Metal Pipe Fitting.....	50.29	
		<i>For Bituminous Coated, Add</i>	14.58	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1410 EA 21" Coupling Band, Corrugated Metal Pipe Fitting	59.68	
For Bituminous Coated, Add	17.31	
33 42 11 00-1411 EA 24" Coupling Band, Corrugated Metal Pipe Fitting	67.68	
For Bituminous Coated, Add	19.63	
33 42 11 00-1412 EA 30" Coupling Band, Corrugated Metal Pipe Fitting	117.12	
For Bituminous Coated, Add	33.96	
33 42 11 00-1413 EA 36" Coupling Band, Corrugated Metal Pipe Fitting	187.38	
For Bituminous Coated, Add	44.97	
33 42 11 00-1414 EA 42" Coupling Band, Corrugated Metal Pipe Fitting	220.17	
For Bituminous Coated, Add	52.84	
33 42 11 00-1415 EA 48" Coupling Band, Corrugated Metal Pipe Fitting	246.70	
For Bituminous Coated, Add	59.21	
33 42 11 00-1416 EA 54" Coupling Band, Corrugated Metal Pipe Fitting	349.86	
For Bituminous Coated, Add	83.97	
33 42 11 00-1417 EA 60" Coupling Band, Corrugated Metal Pipe Fitting	500.41	
For Bituminous Coated, Add	90.07	
33 42 11 00-1418 EA 66" Coupling Band, Corrugated Metal Pipe Fitting	615.00	
For Bituminous Coated, Add	110.70	
33 42 11 00-1419 EA 72" Coupling Band, Corrugated Metal Pipe Fitting	790.00	
For Bituminous Coated, Add	110.60	
33 42 11 00-1420 EA 78" Coupling Band, Corrugated Metal Pipe Fitting	844.96	
For Bituminous Coated, Add	118.29	
33 42 11 00-1421 EA 84" Coupling Band, Corrugated Metal Pipe Fitting	900.23	
For Bituminous Coated, Add	126.03	
33 42 11 00-1422 EA 90" Coupling Band, Corrugated Metal Pipe Fitting	955.21	
For Bituminous Coated, Add	133.73	
33 42 11 00-1423 EA 96" Coupling Band, Corrugated Metal Pipe Fitting	1,010.34	
For Bituminous Coated, Add	141.45	
33 42 11 00-1424 EA 102" Coupling Band, Corrugated Metal Pipe Fitting	1,065.61	
For Bituminous Coated, Add	149.19	
33 42 11 00-1425 EA 108" Coupling Band, Corrugated Metal Pipe Fitting	1,120.62	
For Bituminous Coated, Add	156.89	
33 42 11 00-1426 EA 114" Coupling Band, Corrugated Metal Pipe Fitting	1,327.25	
For Bituminous Coated, Add	159.27	
33 42 11 00-1427 EA 120" Coupling Band, Corrugated Metal Pipe Fitting	1,230.56	
For Bituminous Coated, Add	147.67	
33 42 11 00-1428 EA 126" Coupling Band, Corrugated Metal Pipe Fitting	1,285.41	
For Bituminous Coated, Add	154.25	
33 42 11 00-1429 EA 132" Coupling Band, Corrugated Metal Pipe Fitting	1,340.65	
For Bituminous Coated, Add	160.88	
33 42 11 00-1430 EA 138" Coupling Band, Corrugated Metal Pipe Fitting	1,395.94	
For Bituminous Coated, Add	167.51	
33 42 11 00-1431 Vitrified Clay Piping <small>(33 42 11)</small>		
33 42 11 00-1432 Extra Strength Vitrified Clay Piping <small>(33 42 11 00-1431)</small>		
33 42 11 00-1433 Plain Joint, Extra Strength, Vitrified Clay Piping <small>(33 42 11 00-1432)</small>		
Note: ASTM C700.		
33 42 11 00-1434 LF 4" Plain Joint, Extra Strength, Vitrified Clay Pipe	18.45	
For 3' Lengths, Add	1.95	
For 2' Lengths, Add	2.60	
For Standard Strength, Deduct	-0.65	
For >1,000, Deduct	-0.92	
33 42 11 00-1435 LF 6" Plain Joint, Extra Strength, Vitrified Clay Pipe	30.47	
For 3' Lengths, Add	3.02	
For 2' Lengths, Add	4.03	
For Standard Strength, Deduct	-1.01	
For >1,000, Deduct	-1.52	
33 42 11 00-1436 LF 8" Plain Joint, Extra Strength, Vitrified Clay Pipe	37.05	
For 3' Lengths, Add	4.32	
For 2' Lengths, Add	5.76	
For Standard Strength, Deduct	-1.44	
For >1,000, Deduct	-1.85	
33 42 11 00-1437 LF 10" Plain Joint, Extra Strength, Vitrified Clay Pipe	45.75	
For 3' Lengths, Add	6.62	
For 2' Lengths, Add	8.82	
For Standard Strength, Deduct	-2.21	
For >1,000, Deduct	-2.29	
33 42 11 00-1438 LF 12" Plain Joint, Extra Strength, Vitrified Clay Pipe	56.99	
For 3' Lengths, Add	9.34	
For 2' Lengths, Add	12.46	
For Standard Strength, Deduct	-3.11	
For >1,000, Deduct	-2.85	
33 42 11 00-1439 LF 15" Plain Joint, Extra Strength, Vitrified Clay Pipe	87.14	
For 3' Lengths, Add	17.52	
For 2' Lengths, Add	23.36	
For Standard Strength, Deduct	-5.84	
For >1,000, Deduct	-4.36	
33 42 11 00-1440 LF 18" Plain Joint, Extra Strength, Vitrified Clay Pipe	119.56	
For 3' Lengths, Add	25.11	
For 2' Lengths, Add	33.48	
For Standard Strength, Deduct	-8.37	
For >1,000, Deduct	-5.98	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1441	LF		21" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	179.32	
			<i>For 3' Lengths, Add</i>	40.23	
			<i>For 2' Lengths, Add</i>	53.64	
			<i>For Standard Strength, Deduct</i>	-13.41	
			<i>For >1,000, Deduct</i>	-8.97	
33 42 11 00-1442	LF		24" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	230.10	
			<i>For 3' Lengths, Add</i>	52.55	
			<i>For 2' Lengths, Add</i>	70.07	
			<i>For Standard Strength, Deduct</i>	-17.52	
			<i>For >1,000, Deduct</i>	-11.51	
33 42 11 00-1443	LF		30" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	285.12	
			<i>For 3' Lengths, Add</i>	65.53	
			<i>For 2' Lengths, Add</i>	87.38	
			<i>For Standard Strength, Deduct</i>	-21.84	
			<i>For >1,000, Deduct</i>	-14.26	
33 42 11 00-1444	LF		36" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	344.82	
			<i>For 3' Lengths, Add</i>	79.16	
			<i>For 2' Lengths, Add</i>	105.54	
			<i>For Standard Strength, Deduct</i>	-26.39	
			<i>For >1,000, Deduct</i>	-17.24	
33 42 11 00-1445			Compression Joint, Extra Strength, Vitrified Clay Piping (33 42 11 00-1432)		
			Note: ASTM C425.		
33 42 11 00-1446	LF		4" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	25.78	
			<i>For 3' Lengths, Add</i>	2.30	
			<i>For 2' Lengths, Add</i>	3.06	
			<i>For Standard Strength, Deduct</i>	-0.77	
			<i>For >1,000, Deduct</i>	-1.29	
33 42 11 00-1447	LF		6" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	32.89	
			<i>For 3' Lengths, Add</i>	3.75	
			<i>For 2' Lengths, Add</i>	5.00	
			<i>For Standard Strength, Deduct</i>	-1.25	
			<i>For >1,000, Deduct</i>	-1.64	
33 42 11 00-1448	LF		8" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	40.30	
			<i>For 3' Lengths, Add</i>	5.30	
			<i>For 2' Lengths, Add</i>	7.06	
			<i>For Standard Strength, Deduct</i>	-1.77	
			<i>For >1,000, Deduct</i>	-2.02	
33 42 11 00-1449	LF		10" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	52.67	
			<i>For 3' Lengths, Add</i>	8.69	
			<i>For 2' Lengths, Add</i>	11.59	
			<i>For Standard Strength, Deduct</i>	-2.90	
			<i>For >1,000, Deduct</i>	-2.63	
33 42 11 00-1450	LF		12" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	63.91	
			<i>For 3' Lengths, Add</i>	11.42	
			<i>For 2' Lengths, Add</i>	15.22	
			<i>For Standard Strength, Deduct</i>	-3.81	
			<i>For >1,000, Deduct</i>	-3.20	
33 42 11 00-1451	LF		15" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	98.17	
			<i>For 3' Lengths, Add</i>	20.83	
			<i>For 2' Lengths, Add</i>	27.77	
			<i>For Standard Strength, Deduct</i>	-6.94	
			<i>For >1,000, Deduct</i>	-4.91	
33 42 11 00-1452	LF		18" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	137.51	
			<i>For 3' Lengths, Add</i>	30.50	
			<i>For 2' Lengths, Add</i>	40.66	
			<i>For Standard Strength, Deduct</i>	-10.17	
			<i>For >1,000, Deduct</i>	-6.88	
33 42 11 00-1453	LF		21" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	199.87	
			<i>For 3' Lengths, Add</i>	46.39	
			<i>For 2' Lengths, Add</i>	61.86	
			<i>For Standard Strength, Deduct</i>	-15.46	
			<i>For >1,000, Deduct</i>	-9.99	
33 42 11 00-1454	LF		24" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	262.54	
			<i>For 3' Lengths, Add</i>	62.29	
			<i>For 2' Lengths, Add</i>	83.05	
			<i>For Standard Strength, Deduct</i>	-20.76	
			<i>For >1,000, Deduct</i>	-13.13	
33 42 11 00-1455	LF		30" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	427.86	
			<i>For 3' Lengths, Add</i>	108.35	
			<i>For 2' Lengths, Add</i>	144.47	
			<i>For Standard Strength, Deduct</i>	-36.12	
			<i>For >1,000, Deduct</i>	-21.39	
33 42 11 00-1456	LF		36" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	613.00	
			<i>For 3' Lengths, Add</i>	159.61	
			<i>For 2' Lengths, Add</i>	212.81	
			<i>For Standard Strength, Deduct</i>	-53.20	
			<i>For >1,000, Deduct</i>	-30.65	
33 42 11 00-1457			Extra Strength, Vitrified Clay Pipe Fittings (33 42 11 00-1431)		
33 42 11 00-1458			1/8 Bends, Extra Strength, Vitrified Clay (33 42 11 00-1457)		
33 42 11 00-1459			Plain End 1/8 Bend, Extra Strength, Vitrified Clay (33 42 11 00-1458)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1460 EA 4" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	82.19	
33 42 11 00-1461 EA 6" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	112.83	
33 42 11 00-1462 EA 8" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	165.21	
33 42 11 00-1463 EA 10" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	232.39	
33 42 11 00-1464 EA 12" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	310.76	
33 42 11 00-1465 EA 15" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	769.72	
33 42 11 00-1466 EA 18" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	1,089.57	
33 42 11 00-1467 EA 21" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	1,708.96	
33 42 11 00-1468 EA 24" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	1,970.11	
33 42 11 00-1469 EA 30" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	2,283.84	
33 42 11 00-1470 EA 36" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	3,448.43	
33 42 11 00-1471 Compression Joint 1/8 Bends, Extra Strength, Vitrified Clay (33 42 11 00-1458)		
33 42 11 00-1472 EA 4" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	92.03	
33 42 11 00-1473 EA 6" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	134.16	
33 42 11 00-1474 EA 8" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	185.11	
33 42 11 00-1475 EA 10" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	253.72	
33 42 11 00-1476 EA 12" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	325.33	
33 42 11 00-1477 EA 15" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	861.59	
33 42 11 00-1478 EA 18" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	1,259.43	
33 42 11 00-1479 EA 21" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	1,286.41	
33 42 11 00-1480 EA 24" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	2,526.67	
33 42 11 00-1481 EA 30" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	2,806.61	
33 42 11 00-1482 EA 36" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	4,193.53	
33 42 11 00-1483 1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-1457)		
33 42 11 00-1484 Plain End 1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-1483)		
33 42 11 00-1485 EA 4" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	94.15	
33 42 11 00-1486 EA 6" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	127.23	
33 42 11 00-1487 EA 8" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	182.05	
33 42 11 00-1488 EA 10" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	250.73	
33 42 11 00-1489 EA 12" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	331.43	
33 42 11 00-1490 EA 15" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	792.72	
33 42 11 00-1491 EA 18" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	1,118.25	
33 42 11 00-1492 EA 21" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	1,745.14	
33 42 11 00-1493 EA 24" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	2,014.05	
33 42 11 00-1494 EA 30" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	2,338.62	
33 42 11 00-1495 EA 36" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	3,509.33	
33 42 11 00-1496 Compression Joint 1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-1483)		
33 42 11 00-1497 EA 4" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	106.39	
33 42 11 00-1498 EA 6" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	151.44	
33 42 11 00-1499 EA 8" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	205.33	
33 42 11 00-1500 EA 10" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	275.74	
33 42 11 00-1501 EA 12" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	350.14	
33 42 11 00-1502 EA 15" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	889.20	
33 42 11 00-1503 EA 18" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	1,293.85	
33 42 11 00-1504 EA 21" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	2,542.17	
33 42 11 00-1505 EA 24" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	2,579.39	
33 42 11 00-1506 EA 30" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	2,872.35	
33 42 11 00-1507 EA 36" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	4,266.62	
33 42 11 00-1508 Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-1457)		
33 42 11 00-1509 Plain End Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-1508)		
33 42 11 00-1510 EA 4" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	100.96	
33 42 11 00-1511 EA 6" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	133.88	
33 42 11 00-1512 EA 8" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	186.63	
33 42 11 00-1513 EA 10" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	253.82	
33 42 11 00-1514 EA 12" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	325.17	
33 42 11 00-1515 EA 15" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	793.19	
33 42 11 00-1516 EA 18" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,115.92	
33 42 11 00-1517 EA 21" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,621.28	
33 42 11 00-1518 EA 24" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	2,267.02	
33 42 11 00-1519 EA 30" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	2,385.27	
33 42 11 00-1520 EA 36" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	3,460.85	
33 42 11 00-1521 Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-1508)		
33 42 11 00-1522 EA 4" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	123.79	
33 42 11 00-1523 EA 6" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	173.87	
33 42 11 00-1524 EA 8" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	233.34	
33 42 11 00-1525 EA 10" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	309.49	
33 42 11 00-1526 EA 12" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	390.62	
33 42 11 00-1527 EA 15" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	965.48	
33 42 11 00-1528 EA 18" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,400.53	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1529	EA		21" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	2,092.29	
33 42 11 00-1530	EA		24" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	2,780.14	
33 42 11 00-1531	EA		30" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	3,207.82	
33 42 11 00-1532	EA		36" Compression Joint, Extra Strength, Vitrified Clay Wye Or Tee.....	4,588.10	
33 42 11 00-1533			Vitrified Clay Couplings (33 42 11 00-1431)		
33 42 11 00-1534			Vitrified Clay To Cast Iron Or Plastic Pipe Couplings (33 42 11 00-1533)		
			Note: Stainless steel tightening band at each end (Fernco #1002)		
33 42 11 00-1535	EA		4" x 3" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	31.13	
33 42 11 00-1536	EA		4" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	30.81	
33 42 11 00-1537	EA		5" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	42.92	
33 42 11 00-1538	EA		5" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	40.38	
33 42 11 00-1539	EA		6" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	52.71	
33 42 11 00-1540	EA		6" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	54.91	
33 42 11 00-1541	EA		6" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	50.04	
33 42 11 00-1542	EA		8" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	73.06	
33 42 11 00-1543	EA		8" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	67.49	
33 42 11 00-1544	EA		10" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	95.95	
33 42 11 00-1545	EA		10" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	87.34	
33 42 11 00-1546	EA		12" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	119.51	
33 42 11 00-1547	EA		12" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	99.74	
33 42 11 00-1548	EA		15" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	202.98	
33 42 11 00-1549	EA		15" x 15" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	155.87	
33 42 11 00-1550			Vitrified Clay To Vitrified Clay Pipe Non-Shear Couplings (33 42 11 00-1533)		
			Note: Stainless steel tightening band at each end. (NDS Non-shear)		
33 42 11 00-1551	EA		4" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	45.71	
33 42 11 00-1552	EA		6" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	60.13	
33 42 11 00-1553	EA		6" x 6" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	63.26	
33 42 11 00-1554	EA		8" x 6" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	66.32	
33 42 11 00-1555	EA		10" x 10" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	80.91	
33 42 11 00-1556	EA		12" x 12" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	93.29	
33 42 11 00-1557			Vitrified Clay To Plastic Pipe Non-Shear Couplings (33 42 11 00-1533)		
			Note: Stainless steel tightening band at each end. (NDS Non-shear)		
33 42 11 00-1558	EA		4" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling	46.76	
33 42 11 00-1559	EA		6" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling	61.18	
33 42 11 00-1560	EA		6" x 6" Vitrified Clay To Plastic Pipe Non-Shear Coupling	56.51	
33 42 11 00-1561	EA		8" x 8" Vitrified Clay To Plastic Pipe Non-Shear Coupling	72.60	
33 42 11 00-1562	EA		10" x 10" Vitrified Clay To Plastic Pipe Non-Shear Coupling	102.87	
33 42 11 00-1563	EA		12" x 12" Vitrified Clay To Plastic Pipe Non-Shear Coupling	115.84	
33 42 13 Stormwater Culverts (33 42)					
33 42 13 13 Precast Concrete Stormwater Culverts (33 42 13)					
33 42 13 13-0001			Precast Reinforced Concrete Box Culvert (33 42 13 13)		
			Note: The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0788 for crane lifting equipment.		
33 42 13 13-0002	LF		3' x 3' Precast Reinforced Concrete Box Culvert	491.86	41.34
			For Each LF Of Cut-Off Section, Add	19.67	
33 42 13 13-0003	LF		4' x 2' Precast Reinforced Concrete Box Culvert	560.68	41.34
			For Each LF Of Cut-Off Section, Add	22.43	
33 42 13 13-0004	LF		4' x 3' Precast Reinforced Concrete Box Culvert	671.84	41.34
			For Each LF Of Cut-Off Section, Add	26.87	
33 42 13 13-0005	LF		5' x 3' Precast Reinforced Concrete Box Culvert	804.07	51.68
			For Each LF Of Cut-Off Section, Add	32.16	
33 42 13 13-0006	LF		5' x 4' Precast Reinforced Concrete Box Culvert	825.25	51.68
			For Each LF Of Cut-Off Section, Add	33.01	
33 42 13 13-0007	LF		5' x 5' Precast Reinforced Concrete Box Culvert	835.83	51.68
			For Each LF Of Cut-Off Section, Add	33.43	
33 42 13 13-0008	LF		6' x 3' Precast Reinforced Concrete Box Culvert	861.22	53.74
			For Each LF Of Cut-Off Section, Add	34.45	
33 42 13 13-0009	LF		6' x 4' Precast Reinforced Concrete Box Culvert	866.51	53.74
			For Each LF Of Cut-Off Section, Add	34.66	
33 42 13 13-0010	LF		6' x 6' Precast Reinforced Concrete Box Culvert	961.79	53.74
			For Each LF Of Cut-Off Section, Add	38.47	
33 42 13 13-0011	LF		7' x 4' Precast Reinforced Concrete Box Culvert	978.64	62.01
			For Each LF Of Cut-Off Section, Add	39.15	
33 42 13 13-0012	LF		7' x 6' Precast Reinforced Concrete Box Culvert	1,024.14	84.34
			For Each LF Of Cut-Off Section, Add	40.97	
33 42 13 13-0013	LF		8' x 2' Precast Reinforced Concrete Box Culvert	967.09	53.74
			For Each LF Of Cut-Off Section, Add	38.68	
33 42 13 13-0014	LF		8' x 3' Precast Reinforced Concrete Box Culvert	983.94	62.01
			For Each LF Of Cut-Off Section, Add	39.36	



Utilities	33	CS
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 13 13-0015 LF 8' x 4' Precast Reinforced Concrete Box Culvert	999.82	62.01
For Each LF Of Cut-Off Section, Add	39.99	
33 42 13 13-0016 LF 8' x 5' Precast Reinforced Concrete Box Culvert	1,196.53	82.68
For Each LF Of Cut-Off Section, Add	47.86	
33 42 13 13-0017 LF 8' x 6' Precast Reinforced Concrete Box Culvert	1,200.76	82.68
For Each LF Of Cut-Off Section, Add	48.03	
33 42 13 13-0018 LF 8' x 8' Precast Reinforced Concrete Box Culvert	1,313.82	103.35
For Each LF Of Cut-Off Section, Add	52.55	
33 42 13 13-0019 LF 9' x 4' Precast Reinforced Concrete Box Culvert	1,333.10	82.68
For Each LF Of Cut-Off Section, Add	53.32	
33 42 13 13-0020 LF 9' x 6' Precast Reinforced Concrete Box Culvert	1,391.10	103.35
For Each LF Of Cut-Off Section, Add	55.64	
33 42 13 13-0021 LF 10' x 3' Precast Reinforced Concrete Box Culvert	1,396.39	103.35
For Each LF Of Cut-Off Section, Add	55.86	
33 42 13 13-0022 LF 10' x 4' Precast Reinforced Concrete Box Culvert	1,724.59	103.35
For Each LF Of Cut-Off Section, Add	68.98	
33 42 13 13-0023 LF 10' x 5' Precast Reinforced Concrete Box Culvert	1,787.90	124.02
For Each LF Of Cut-Off Section, Add	71.52	
33 42 13 13-0024 LF 10' x 6' Precast Reinforced Concrete Box Culvert	1,809.07	124.02
For Each LF Of Cut-Off Section, Add	72.36	
33 42 13 13-0025 LF 10' x 7' Precast Reinforced Concrete Box Culvert	1,814.36	124.02
For Each LF Of Cut-Off Section, Add	72.57	
33 42 13 13-0026 LF 10' x 8' Precast Reinforced Concrete Box Culvert	1,821.77	124.02
For Each LF Of Cut-Off Section, Add	72.87	
33 42 13 13-0027 LF 12' x 3' Precast Reinforced Concrete Box Culvert	1,872.38	144.69
For Each LF Of Cut-Off Section, Add	74.90	
33 42 13 13-0028 LF 12' x 4' Precast Reinforced Concrete Box Culvert	1,872.38	144.69
For Each LF Of Cut-Off Section, Add	74.90	
33 42 13 13-0029 LF 12' x 6' Precast Reinforced Concrete Box Culvert	1,872.38	144.69
For Each LF Of Cut-Off Section, Add	74.90	
33 42 13 13-0030 LF 12' x 8' Precast Reinforced Concrete Box Culvert	1,872.38	144.69
For Each LF Of Cut-Off Section, Add	74.90	
33 42 13 13-0031 LF 16' x 10' Precast Reinforced Concrete Box Culvert	2,782.64	165.37
For Each LF Of Cut-Off Section, Add	111.31	
33 42 13 13-0032 LF 24' x 10' Precast Reinforced Concrete Box Culvert	3,947.21	165.37
For Each LF Of Cut-Off Section, Add	157.89	
33 42 13 13-0033 Precast Reinforced Concrete Box Culvert For Roadways <small>(33 42 13 13)</small>		
<p>Note: AASHTO HL-93 Rated. The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0788 for crane lifting equipment.</p>		
33 42 13 13-0034 LF 3' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,302.29	41.34
For Each LF Of Cut-Off Section, Add	52.09	
33 42 13 13-0035 LF 4' x 2' Precast Reinforced Concrete Box Culvert For Roadways	1,403.98	41.34
For Each LF Of Cut-Off Section, Add	56.16	
33 42 13 13-0036 LF 4' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,583.95	41.34
For Each LF Of Cut-Off Section, Add	63.36	
33 42 13 13-0037 LF 5' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,784.95	51.68
For Each LF Of Cut-Off Section, Add	71.40	
33 42 13 13-0038 LF 5' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,964.92	51.68
For Each LF Of Cut-Off Section, Add	78.60	
33 42 13 13-0039 LF 5' x 5' Precast Reinforced Concrete Box Culvert For Roadways	2,144.88	51.68
For Each LF Of Cut-Off Section, Add	85.80	
33 42 13 13-0040 LF 6' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,969.13	53.74
For Each LF Of Cut-Off Section, Add	78.77	
33 42 13 13-0041 LF 6' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,149.09	53.74
For Each LF Of Cut-Off Section, Add	85.96	
33 42 13 13-0042 LF 6' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,509.03	53.74
For Each LF Of Cut-Off Section, Add	100.36	
33 42 13 13-0043 LF 7' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,345.91	62.01
For Each LF Of Cut-Off Section, Add	93.84	
33 42 13 13-0044 LF 7' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,751.31	84.34
For Each LF Of Cut-Off Section, Add	110.05	
33 42 13 13-0045 LF 8' x 2' Precast Reinforced Concrete Box Culvert For Roadways	2,149.09	53.74
For Each LF Of Cut-Off Section, Add	85.96	
33 42 13 13-0046 LF 8' x 3' Precast Reinforced Concrete Box Culvert For Roadways	2,345.91	62.01
For Each LF Of Cut-Off Section, Add	93.84	
33 42 13 13-0047 LF 8' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,525.88	62.01
For Each LF Of Cut-Off Section, Add	101.04	
33 42 13 13-0048 LF 8' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,747.95	82.68
For Each LF Of Cut-Off Section, Add	109.92	
33 42 13 13-0049 LF 8' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,927.92	82.68
For Each LF Of Cut-Off Section, Add	117.12	
33 42 13 13-0050 LF 8' x 8' Precast Reinforced Concrete Box Culvert For Roadways	3,329.97	103.35
For Each LF Of Cut-Off Section, Add	133.20	
33 42 13 13-0051 LF 9' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,957.37	82.68
For Each LF Of Cut-Off Section, Add	118.29	
33 42 13 13-0052 LF 9' x 6' Precast Reinforced Concrete Box Culvert For Roadways	3,384.13	103.35
For Each LF Of Cut-Off Section, Add	135.37	
33 42 13 13-0053 LF 10' x 3' Precast Reinforced Concrete Box Culvert For Roadways	3,344.97	103.35
For Each LF Of Cut-Off Section, Add	133.80	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 13 13-0054 LF 10' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	3,558.67 142.35	103.35
33 42 13 13-0055 LF 10' x 5' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	3,814.49 152.58	124.02
33 42 13 13-0056 LF 10' x 6' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	4,028.19 161.13	124.02
33 42 13 13-0057 LF 10' x 7' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	4,241.92 169.68	124.02
33 42 13 13-0058 LF 10' x 8' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	4,455.62 178.22	124.02
33 42 13 13-0059 LF 12' x 3' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	4,425.04 177.00	144.69
33 42 13 13-0060 LF 12' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	4,667.94 186.72	144.69
33 42 13 13-0061 LF 12' x 6' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	5,153.84 206.15	144.69
33 42 13 13-0062 LF 12' x 8' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	5,639.75 225.59	144.69
33 42 13 13-0063 LF 16' x 10' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	6,761.63 270.47	165.37
33 42 13 13-0064 LF 24' x 10' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	8,597.23 343.89	165.37
33 42 23 Headwalls and Endwalls for Stormwater Piping (33 42)		
33 42 23 00-0001 Headwalls (33 42 23)		
Note: Excludes excavation and backfill. Select pipe with closest opening area for square or round culverts.		
33 42 23 00-0002 Cast In Place Concrete Headwalls (33 42 23 00-0001)		
Note: Includes concrete, forms, rebar (where required), finish and curing.		
33 42 23 00-0003 Skewed Wingwall, Cast In Place Concrete Headwall (33 42 23 00-0002)		
Note: Sized by pipe diameter.		
33 42 23 00-0004 EA 12" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	1,108.73	546.27
33 42 23 00-0005 EA 15" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	1,400.52	582.68
33 42 23 00-0006 EA 18" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	1,821.94	763.24
33 42 23 00-0007 EA 24" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	2,817.71	1,092.54
33 42 23 00-0008 EA 30" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	3,902.04	1,456.72
33 42 23 00-0009 EA 36" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	4,890.90	1,920.12
33 42 23 00-0010 EA 42" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	6,802.65	2,648.55
33 42 23 00-0011 EA 48" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	8,081.75	3,121.50
33 42 23 00-0012 EA 54" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	9,730.95	3,800.18
33 42 23 00-0013 EA 60" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	11,699.82	4,600.16
33 42 23 00-0014 Precast Concrete Headwalls (33 42 23 00-0001)		
33 42 23 00-0015 EA 12" Pipe, Precast Concrete Headwall	550.30	140.24
33 42 23 00-0016 EA 15" Pipe, Precast Concrete Headwall	573.68	148.04
33 42 23 00-0017 EA 18" Pipe, Precast Concrete Headwall	633.26	168.29
33 42 23 00-0018 EA 24" Pipe, Precast Concrete Headwall	696.84	179.21
33 42 23 00-0019 EA 30" Pipe, Precast Concrete Headwall	909.42	210.37
33 42 23 00-0020 EA 36" Pipe, Precast Concrete Headwall	1,028.58	218.16
33 42 23 00-0021 EA 42" Pipe, Precast Concrete Headwall	1,330.27	255.15
33 42 23 00-0022 EA 48" Pipe, Precast Concrete Headwall	1,462.35	281.12
33 42 23 00-0023 EA 54" Pipe, Precast Concrete Headwall	1,608.61	297.66
33 42 23 00-0024 EA 60" Pipe, Precast Concrete Headwall	1,815.60	297.66
33 42 23 00-0025 EA 72" Pipe, Precast Concrete Headwall	2,163.44	372.07
33 42 23 00-0026 EA 84" Pipe, Precast Concrete Headwall	3,013.66	446.48
33 42 23 00-0027 Precast Concrete Wingwalls (33 42 23 00-0001)		
33 42 23 00-0028 EA 18" ID Pipe (26" Hole) Precast Concrete Wingwall	3,520.96	1,473.38
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0029 EA 24" ID Pipe (32" Hole) Precast Concrete Wingwall	3,769.01	1,637.09
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0030 EA 30" ID Pipe (42" Hole) Precast Concrete Wingwall	4,182.41	1,909.94
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0031 EA 33" ID Pipe (46" Hole) Precast Concrete Wingwall	4,595.82	2,182.79
Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.		
33 42 23 00-0032 EA 36" ID Pipe (50" Hole) Precast Concrete Wingwall	4,595.82	2,182.79
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0033 EA 44" ID Pipe (58" Hole) Precast Concrete Wingwall	4,761.18	2,291.93
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0034 EA 48" ID Pipe (62" Hole) Precast Concrete Wingwall	7,394.19	2,346.50
Note: 12" thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0035 EA 52" ID Pipe (66" Hole) Precast Concrete Wingwall	7,642.23	2,510.21
Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.		
33 42 23 00-0036 Precast Concrete Transverse Drainage Interceptor (33 42 23 00-0001)		
33 42 23 00-0037 EA 34" x 48" x 28" Precast Concrete Transverse Drainage Interceptor With Frame And Grate	2,930.60	578.77



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 26 End Sections for Stormwater Piping (33 42)

33 42 26 16 Corrugated Metal End Sections for Stormwater Piping (33 42 26)

33 42 26 16-0001 Corrugated Metal Pipe End Sections (33 42 26 16)

33 42 26 16-0002 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0001)

33 42 26 16-0003 Type 1 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0002)

Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.

33 42 26 16-0004	EA	12" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	208.30	54.54
33 42 26 16-0005	EA	15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	240.98	58.43
33 42 26 16-0006	EA	18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	280.40	62.33
33 42 26 16-0007	EA	21" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	338.40	68.17
33 42 26 16-0008	EA	24" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	374.62	74.02

33 42 26 16-0009 Type 2 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0002)

Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.

33 42 26 16-0010	EA	30" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	598.34	83.76
33 42 26 16-0011	EA	36" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	775.04	99.22
33 42 26 16-0012	EA	42" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,183.06	115.75
33 42 26 16-0013	EA	48" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,443.84	132.29
33 42 26 16-0014	EA	54" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,721.17	165.37
33 42 26 16-0015	EA	60" 10 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	2,010.88	198.43

33 42 26 16-0016 Type 3 Or 5 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0002)

Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.

33 42 26 16-0017	EA	12" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	217.17	54.54
33 42 26 16-0018	EA	15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	250.09	58.43
33 42 26 16-0019	EA	18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	294.41	62.33
33 42 26 16-0020	EA	21" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	355.22	68.17
33 42 26 16-0021	EA	24" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	393.70	74.02
33 42 26 16-0022	EA	30" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	656.93	83.76
33 42 26 16-0023	EA	36" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	846.86	99.22
33 42 26 16-0024	EA	42" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,341.91	115.75
33 42 26 16-0025	EA	48" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,648.84	132.29
33 42 26 16-0026	EA	54" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,928.48	165.37
33 42 26 16-0027	EA	60" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	2,667.47	198.43
33 42 26 16-0028	EA	66" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,038.94	297.66
33 42 26 16-0029	EA	72" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,563.94	396.87
33 42 26 16-0030	EA	78" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,881.07	425.81
33 42 26 16-0031	EA	84" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	4,205.76	454.74

33 42 26 16-0032 Toe Plate Extensions For Galvanized Corrugated Steel Pipe End Section (33 42 26 16-0002)

33 42 26 16-0033	EA	Toe Plate Extension For 12" Diameter Galvanized Corrugated Steel Pipe End Section	26.82	
33 42 26 16-0034	EA	Toe Plate Extension For 15" Diameter Galvanized Corrugated Steel Pipe End Section	29.84	
33 42 26 16-0035	EA	Toe Plate Extension For 18" Diameter Galvanized Corrugated Steel Pipe End Section	33.52	
33 42 26 16-0036	EA	Toe Plate Extension For 21" Diameter Galvanized Corrugated Steel Pipe End Section	36.44	
33 42 26 16-0037	EA	Toe Plate Extension For 24" Diameter Galvanized Corrugated Steel Pipe End Section	40.77	
33 42 26 16-0038	EA	Toe Plate Extension For 30" Diameter Galvanized Corrugated Steel Pipe End Section	70.82	
33 42 26 16-0039	EA	Toe Plate Extension For 36" Diameter Galvanized Corrugated Steel Pipe End Section	76.21	
33 42 26 16-0040	EA	Toe Plate Extension For 42" Diameter Galvanized Corrugated Steel Pipe End Section	104.01	
33 42 26 16-0041	EA	Toe Plate Extension For 48" Diameter Galvanized Corrugated Steel Pipe End Section	111.43	
33 42 26 16-0042	EA	Toe Plate Extension For 54" Diameter Galvanized Corrugated Steel Pipe End Section	135.94	
33 42 26 16-0043	EA	Toe Plate Extension For 60" Diameter Galvanized Corrugated Steel Pipe End Section	139.39	
33 42 26 16-0044	EA	Toe Plate Extension For 66" Diameter Galvanized Corrugated Steel Pipe End Section	149.09	
33 42 26 16-0045	EA	Toe Plate Extension For 72" Diameter Galvanized Corrugated Steel Pipe End Section	170.52	
33 42 26 16-0046	EA	Toe Plate Extension For 78" Diameter Galvanized Corrugated Steel Pipe End Section	190.65	
33 42 26 16-0047	EA	84" Diameter Galvanized Corrugated Steel Pipe End Section Toe Plate Extension.....	195.53	

33 42 26 16-0048 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0001)

33 42 26 16-0049 Type 1 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0048)

Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.

33 42 26 16-0050	EA	17" x 13" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	240.98	58.43
33 42 26 16-0051	EA	21" x 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	280.40	62.33
33 42 26 16-0052	EA	24" x 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	338.40	68.17
33 42 26 16-0053	EA	28" x 20" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	374.62	74.02

33 42 26 16-0054 Type 2 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0048)

Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.

33 42 26 16-0055	EA	17" x 13" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	233.32	58.43
33 42 26 16-0056	EA	21" x 15" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	266.24	62.33
33 42 26 16-0057	EA	24" x 18" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	297.87	68.17
33 42 26 16-0058	EA	28" x 20" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	335.93	74.02
33 42 26 16-0059	EA	35" x 24" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	488.03	83.76
33 42 26 16-0060	EA	42" x 29" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	707.82	99.22

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0061 EA 49" x 33" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,095.86	115.75
33 42 26 16-0062 EA 57" x 38" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,385.73	132.29
33 42 26 16-0063 Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0048)		
Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0064 EA 17" x 13" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	237.21	58.43
33 42 26 16-0065 EA 21" x 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	274.68	62.33
33 42 26 16-0066 EA 24" x 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	311.07	68.17
33 42 26 16-0067 EA 28" x 20" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	351.58	74.02
33 42 26 16-0068 EA 35" x 24" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	514.63	83.76
33 42 26 16-0069 EA 42" x 29" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	744.09	99.22
33 42 26 16-0070 EA 49" x 33" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,153.88	115.75
33 42 26 16-0071 EA 57" x 38" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,452.51	132.29
33 42 26 16-0072 EA 64" x 43" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,748.61	165.37
33 42 26 16-0073 EA 71" x 47" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,295.76	198.43
33 42 26 16-0074 EA 77" x 52" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	3,207.42	297.66
33 42 26 16-0075 EA 83" x 57" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	3,561.70	396.87
33 42 26 16-0076 Toe Plate Extensions For Galvanized Corrugated Steel Pipe-Arch End Section (33 42 26 16-0048)		
33 42 26 16-0077 EA Toe Plate Extension For 17" x 13" Galvanized Corrugated Steel Pipe-Arch End Section	29.84	
33 42 26 16-0078 EA Toe Plate Extension For 21" x 15" Galvanized Corrugated Steel Pipe-Arch End Section	33.52	
33 42 26 16-0079 EA Toe Plate Extension For 24" x 18" Galvanized Corrugated Steel Pipe-Arch End Section	36.44	
33 42 26 16-0080 EA Toe Plate Extension For 28" x 20" Galvanized Corrugated Steel Pipe-Arch End Section	40.77	
33 42 26 16-0081 EA Toe Plate Extension For 35" x 24" Galvanized Corrugated Steel Pipe-Arch End Section	70.82	
33 42 26 16-0082 EA Toe Plate Extension For 42" x 29" Galvanized Corrugated Steel Pipe-Arch End Section	76.21	
33 42 26 16-0083 EA Toe Plate Extension For 49" x 33" Galvanized Corrugated Steel Pipe-Arch End Section	104.01	
33 42 26 16-0084 EA Toe Plate Extension For 57" x 38" Galvanized Corrugated Steel Pipe-Arch End Section	115.82	
33 42 26 16-0085 EA Toe Plate Extension For 64" x 43" Galvanized Corrugated Steel Pipe-Arch End Section	135.94	
33 42 26 16-0086 EA Toe Plate Extension For 71" x 47" Galvanized Corrugated Steel Pipe-Arch End Section	141.13	
33 42 26 16-0087 EA Toe Plate Extension For 77" x 52" Galvanized Corrugated Steel Pipe-Arch End Section	163.33	
33 42 26 16-0088 EA Toe Plate Extension For 83" x 57" Galvanized Corrugated Steel Pipe-Arch End Section	186.19	
33 42 26 16-0089 Corrugated Aluminum Pipe End Sections (33 42 26 16-0001)		
33 42 26 16-0090 Corrugated Aluminum Pipe End Sections (33 42 26 16-0089)		
33 42 26 16-0091 EA 12" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	311.33	54.54
33 42 26 16-0092 EA 15" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	358.29	58.43
33 42 26 16-0093 EA 18" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	423.96	62.33
33 42 26 16-0094 EA 21" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	524.51	68.17
33 42 26 16-0095 EA 24" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	683.30	74.02
33 42 26 16-0096 EA 30" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	1,021.48	83.76
33 42 26 16-0097 EA 36" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	1,386.41	99.22
33 42 26 16-0098 EA 36" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	1,723.50	99.22
33 42 26 16-0099 EA 42" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	2,197.21	115.75
33 42 26 16-0100 EA 48" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	3,132.90	132.29
33 42 26 16-0101 EA 54" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	3,472.06	165.37
33 42 26 16-0102 EA 60" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	4,677.44	198.43
33 42 26 16-0103 EA 66" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	5,304.92	297.66
33 42 26 16-0104 EA 72" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	6,209.45	396.87
33 42 26 16-0105 EA 78" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	6,781.04	425.81
33 42 26 16-0106 EA 84" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	7,155.77	454.74
33 42 26 16-0107 EA 90" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	9,777.67	496.09
33 42 26 16-0108 EA 96" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	10,823.14	537.43
33 42 26 16-0109 Toe Plate Extensions For Corrugated Aluminum Pipe End Section (33 42 26 16-0089)		
33 42 26 16-0110 EA Toe Plate Extension For 12" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	48.73	
33 42 26 16-0111 EA Toe Plate Extension For 15" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	51.65	
33 42 26 16-0112 EA Toe Plate Extension For 18" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	56.01	
33 42 26 16-0113 EA Toe Plate Extension For 21" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	63.02	
33 42 26 16-0114 EA Toe Plate Extension For 24" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	66.87	
33 42 26 16-0115 EA Toe Plate Extension For 30" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	86.65	
33 42 26 16-0116 EA Toe Plate Extension For 36" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	103.58	
33 42 26 16-0117 EA Toe Plate Extension For 36" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	109.21	
33 42 26 16-0118 EA Toe Plate Extension For 42" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	119.79	
33 42 26 16-0119 EA Toe Plate Extension For 48" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	135.40	
33 42 26 16-0120 EA Toe Plate Extension For 54" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	160.02	
33 42 26 16-0121 EA Toe Plate Extension For 60" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	223.11	
33 42 26 16-0122 EA Toe Plate Extension For 66" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	240.70	
33 42 26 16-0123 EA Toe Plate Extension For 72" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	305.81	
33 42 26 16-0124 EA Toe Plate Extension For 78" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	331.04	
33 42 26 16-0125 EA Toe Plate Extension For 84" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	352.77	
33 42 26 16-0126 EA Toe Plate Extension For 90" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	375.59	
33 42 26 16-0127 EA Toe Plate Extension For 96" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	398.71	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0128				Corrugated Aluminum Pipe-Arch End Sections (33 42 26 16-0001)		
33 42 26 16-0129				Corrugated Aluminum Pipe-Arch End Sections (33 42 26 16-0129)		
33 42 26 16-0130	EA			17" x 13" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	369.19	58.43
33 42 26 16-0131	EA			21" x 15" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	450.52	62.33
33 42 26 16-0132	EA			24" x 18" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	489.29	68.17
33 42 26 16-0133	EA			28" x 20" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	528.03	74.02
33 42 26 16-0134	EA			35" x 24" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	788.58	83.76
33 42 26 16-0135	EA			42" x 29" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,401.91	99.22
33 42 26 16-0136	EA			42" x 29" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,487.37	99.22
33 42 26 16-0137	EA			49" x 33" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,986.42	115.75
33 42 26 16-0138	EA			57" x 38" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	3,050.81	132.29
33 42 26 16-0139	EA			64" x 43" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	3,494.34	165.37
33 42 26 16-0140	EA			71" x 47" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	4,224.83	198.43
33 42 26 16-0141	EA			77" x 52" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	7,074.10	297.66
33 42 26 16-0142	EA			83" x 57" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	7,433.00	396.87
33 42 26 16-0143	EA			87" x 63" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	8,092.63	425.81
33 42 26 16-0144	EA			95" x 67" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	8,447.67	454.74
33 42 26 16-0145	EA			103" x 71" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	9,208.05	496.09
33 42 26 16-0146	EA			112" x 75" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	9,755.97	537.43
33 42 26 16-0147				Toe Plate Extensions For Corrugated Aluminum Pipe-Arch End Section (33 42 26 16-0128)		
33 42 26 16-0148	EA			Toe Plate Extension For 17" x 13", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	51.65	
33 42 26 16-0149	EA			Toe Plate Extension For 21" x 15", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	56.01	
33 42 26 16-0150	EA			Toe Plate Extension For 24" x 18", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	59.08	
33 42 26 16-0151	EA			Toe Plate Extension For 28" x 20", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	64.71	
33 42 26 16-0152	EA			Toe Plate Extension For 35" x 24", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	74.27	
33 42 26 16-0153	EA			Toe Plate Extension For 42" x 29", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	96.46	
33 42 26 16-0154	EA			Toe Plate Extension For 42" x 29", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	105.44	
33 42 26 16-0155	EA			Toe Plate Extension For 49" x 33", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	119.79	
33 42 26 16-0156	EA			Toe Plate Extension For 57" x 38", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	135.40	
33 42 26 16-0157	EA			Toe Plate Extension For 64" x 43", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	160.02	
33 42 26 16-0158	EA			Toe Plate Extension For 71" x 47", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	203.14	
33 42 26 16-0159	EA			Toe Plate Extension For 77" x 52", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	257.42	
33 42 26 16-0160	EA			Toe Plate Extension For 83" x 57", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	347.60	
33 42 26 16-0161	EA			Toe Plate Extension For 87" x 63", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	394.65	
33 42 26 16-0162	EA			Toe Plate Extension For 95" x 67", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	413.44	
33 42 26 16-0163	EA			Toe Plate Extension For 103" x 71", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	428.83	
33 42 26 16-0164	EA			Toe Plate Extension For 112" x 75", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	447.61	
33 42 26 16-0165				Low Slope Corrugated Steel Pipe End Sections And Accessories (33 42 26 16-0001)		
33 42 26 16-0166				4:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)		
33 42 26 16-0167	EA			15" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	473.82	58.43
33 42 26 16-0168	EA			18" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	609.16	62.33
33 42 26 16-0169	EA			21" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	745.21	68.17
33 42 26 16-0170	EA			24" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	890.90	74.02
33 42 26 16-0171	EA			30" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	943.00	83.76
33 42 26 16-0172	EA			36" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,231.36	99.22
33 42 26 16-0173	EA			42" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,944.31	115.75
33 42 26 16-0174				3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)		
				Note: Includes nut and bolt set.		
33 42 26 16-0175	EA			3" Diameter Parallel Safety Bar For 15" 4:1 Corrugated Steel Pipe End Section	336.71	
33 42 26 16-0176	EA			3" Diameter Parallel Safety Bar For 18" 4:1 Corrugated Steel Pipe End Section	673.07	
33 42 26 16-0177	EA			3" Diameter Parallel Safety Bar For 21" 4:1 Corrugated Steel Pipe End Section	738.60	
33 42 26 16-0178	EA			3" Diameter Parallel Safety Bar For 24" 4:1 Corrugated Steel Pipe End Section	768.00	
33 42 26 16-0179				6:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)		
33 42 26 16-0180	EA			15" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	495.96	58.43
33 42 26 16-0181	EA			18" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	648.97	62.33
33 42 26 16-0182	EA			21" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	862.37	68.17
33 42 26 16-0183	EA			24" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,012.67	74.02
33 42 26 16-0184	EA			30" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,201.50	83.76
33 42 26 16-0185	EA			36" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,459.52	99.22
33 42 26 16-0186	EA			42" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	2,229.77	115.75
33 42 26 16-0187				3" Diameter Parallel Safety Bar For 6:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)		
				Note: Includes nut and bolt set.		
33 42 26 16-0188	EA			3" Diameter Parallel Safety Bar For 15" 6:1 Corrugated Steel Pipe End Section	654.14	
33 42 26 16-0189	EA			3" Diameter Parallel Safety Bar For 18" 6:1 Corrugated Steel Pipe End Section	694.50	
33 42 26 16-0190	EA			3" Diameter Parallel Safety Bar For 21" 6:1 Corrugated Steel Pipe End Section	763.93	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 42 26 16-0191	EA	3" Diameter Parallel Safety Bar For 24" 6:1 Corrugated Steel Pipe End Section.....	803.06	
33 42 26 16-0192		Toe Plate Extensions For Low Slope Corrugated Steel Pipe End Section <small>(33 42 26 16-0192)</small>		
33 42 26 16-0193	EA	Toe Plate Extension For 15" Low Slope Corrugated Steel Pipe End Section	57.51	
33 42 26 16-0194	EA	Toe Plate Extension For 18" Low Slope Corrugated Steel Pipe End Section	64.52	
33 42 26 16-0195	EA	Toe Plate Extension For 21" Low Slope Corrugated Steel Pipe End Section	70.21	
33 42 26 16-0196	EA	Toe Plate Extension For 24" Low Slope Corrugated Steel Pipe End Section	78.38	
33 42 26 16-0197	EA	Toe Plate Extension For 30" Low Slope Corrugated Steel Pipe End Section	117.85	
33 42 26 16-0198	EA	Toe Plate Extension For 36" Low Slope Corrugated Steel Pipe End Section	126.47	
33 42 26 16-0199	EA	Toe Plate Extension For 42" Low Slope Corrugated Steel Pipe End Section	169.62	
33 42 26 16-0200		Low Slope Corrugated Steel Pipe-Arch End Sections And Accessories <small>(33 42 26 16-0200)</small>		
33 42 26 16-0201		4:1 Corrugated Steel Pipe-Arch End Section <small>(33 42 26 16-0201)</small>		
33 42 26 16-0202	EA	21" x 15" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	562.53	62.33
33 42 26 16-0203	EA	24" x 18" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	705.05	68.17
33 42 26 16-0204	EA	28" x 20" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	834.02	74.02
33 42 26 16-0205	EA	35" x 24" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	1,567.52	83.76
33 42 26 16-0206		3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe-Arch End Sections <small>(33 42 26 16-0206)</small>		
		Note: Includes nut and bolt set.		
33 42 26 16-0207	EA	3" Diameter Parallel Safety Bar For 21" x 15" 4:1 Corrugated Steel Pipe-Arch End Section.....	400.91	
33 42 26 16-0208	EA	3" Diameter Parallel Safety Bar For 24" x 18" 4:1 Corrugated Steel Pipe-Arch End Section.....	728.85	
33 42 26 16-0209	EA	3" Diameter Parallel Safety Bar For 28" x 20" 4:1 Corrugated Steel Pipe-Arch End Section.....	768.00	
33 42 26 16-0210	EA	3" Diameter Parallel Safety Bar For 35" x 24" 4:1 Corrugated Steel Pipe-Arch End Section.....	1,129.52	
33 42 26 16-0211		Toe Plate Extensions For Low Slope Corrugated Steel Pipe-Arch End Section <small>(33 42 26 16-0211)</small>		
33 42 26 16-0212	EA	Toe Plate Extension For 21" x 15" Low Slope Corrugated Steel Pipe-Arch End Section.....	58.16	
33 42 26 16-0213	EA	Toe Plate Extension For 24" x 18" Low Slope Corrugated Steel Pipe-Arch End Section.....	65.95	
33 42 26 16-0214	EA	Toe Plate Extension For 28" x 20" Low Slope Corrugated Steel Pipe-Arch End Section.....	71.90	
33 42 26 16-0215	EA	Toe Plate Extension For 35" x 24" Low Slope Corrugated Steel Pipe-Arch End Section.....	85.78	
33 42 26 19		Corrugated High-Density Polyethylene (HDPE) End Sections for Stormwater Piping <small>(33 42 26 19)</small>		
33 42 26 19-0001		Corrugated High Density Polyethylene (HDPE) Pipe End Sections <small>(33 42 26 19)</small>		
33 42 26 19-0002	EA	4" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	47.67	15.95
33 42 26 19-0003	EA	6" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	88.87	23.92
33 42 26 19-0004	EA	8" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	120.70	29.90
33 42 26 19-0005	EA	10" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	190.09	47.84
33 42 26 19-0006	EA	12" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	225.78	53.82
33 42 26 19-0007	EA	15" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	239.65	57.81
33 42 26 19-0008	EA	18" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	285.56	63.79
33 42 26 19-0009	EA	24" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	369.03	75.75
33 42 26 19-0010	EA	30" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	761.84	85.71
33 42 26 19-0011	EA	36" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	929.38	95.68
33 42 26 23		Concrete End Sections for Stormwater Piping <small>(33 42 26 23)</small>		
33 42 26 23-0001		Precast Concrete End Sections <small>(33 42 26 23)</small>		
33 42 26 23-0002		Precast Concrete End Sections <small>(33 42 26 23-0002)</small>		
33 42 26 23-0003	EA	12" Diameter Pipe, Precast Concrete End Section	475.45	91.39
33 42 26 23-0004	EA	15" Diameter Pipe, Precast Concrete End Section	635.81	113.14
33 42 26 23-0005	EA	18" Diameter Pipe, Precast Concrete End Section	788.05	143.21
33 42 26 23-0006	EA	21" Diameter Pipe, Precast Concrete End Section	906.11	171.26
33 42 26 23-0007	EA	24" Diameter Pipe, Precast Concrete End Section	967.18	198.22
33 42 26 23-0008	EA	27" Diameter Pipe, Precast Concrete End Section	1,219.55	246.39
33 42 26 23-0009	EA	30" Diameter Pipe, Precast Concrete End Section	1,521.13	370.09
33 42 26 23-0010	EA	36" Diameter Pipe, Precast Concrete End Section	1,880.65	466.98
33 42 26 23-0011	EA	42" Diameter Pipe, Precast Concrete End Section	2,280.55	585.80
33 42 26 23-0012	EA	48" Diameter Pipe, Precast Concrete End Section	2,504.13	660.62
33 42 26 23-0013	EA	54" Diameter Pipe, Precast Concrete End Section	2,736.21	740.00
33 42 26 23-0014	EA	60" Diameter Pipe, Precast Concrete End Section	2,974.35	822.68
33 42 26 23-0015	EA	66" Diameter Pipe Precast Concrete End Section	2,929.59	664.23
33 42 26 23-0016	EA	72" Diameter Pipe Precast Concrete End Section	3,373.21	830.27
33 42 26 23-0017	EA	78" Diameter Pipe Precast Concrete End Section	4,023.59	1,037.83
33 42 26 23-0018	EA	84" Diameter Pipe Precast Concrete End Section	4,765.45	1,245.40
33 42 26 23-0019		Flared Precast Concrete End Sections <small>(33 42 26 23-0019)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 23-0020 EA 12" Diameter Pipe, Flared Precast Concrete End Section.....	592.63	96.32
33 42 26 23-0021 EA 15" Diameter Pipe, Flared Precast Concrete End Section.....	714.49	120.05
33 42 26 23-0022 EA 18" Diameter Pipe, Flared Precast Concrete End Section.....	869.00	151.97
33 42 26 23-0023 EA 21" Diameter Pipe, Flared Precast Concrete End Section.....	995.01	181.73
33 42 26 23-0024 EA 24" Diameter Pipe, Flared Precast Concrete End Section.....	1,211.27	210.34
33 42 26 23-0025 EA 27" Diameter Pipe, Flared Precast Concrete End Section.....	1,481.48	335.94
33 42 26 23-0026 EA 30" Diameter Pipe, Flared Precast Concrete End Section.....	1,569.87	462.52
33 42 26 23-0027 EA 36" Diameter Pipe, Flared Precast Concrete End Section.....	2,110.65	583.73
33 42 26 23-0028 EA 42" Diameter Pipe, Flared Precast Concrete End Section.....	2,540.80	732.39
33 42 26 23-0029 EA 48" Diameter Pipe, Flared Precast Concrete End Section.....	2,757.72	825.99
33 42 26 23-0030 EA 54" Diameter Pipe, Flared Precast Concrete End Section.....	3,084.86	925.12
33 42 26 23-0031 EA 60" Diameter Pipe, Flared Precast Concrete End Section.....	3,418.62	1,027.57
33 42 26 23-0032 EA 66" Diameter Pipe, Flared Precast Concrete End Section.....	3,983.63	1,183.91
33 42 26 23-0033 EA 72" Diameter Pipe, Flared Precast Concrete End Section.....	4,631.42	1,321.42
33 42 26 23-0034 EA 78" Diameter Pipe, Flared Precast Concrete End Section.....	5,248.86	1,486.53
33 42 26 23-0035 EA 84" Diameter Pipe, Flared Precast Concrete End Section.....	6,038.88	1,651.48
33 42 26 23-0036 Elliptical Precast Concrete End Sections (33 42 26 23-0001)		
33 42 26 23-0037 EA 14" x 23" Elliptical Precast Concrete End Section	1,029.20	151.97
33 42 26 23-0038 EA 19" x 30" Elliptical Precast Concrete End Section	1,435.13	210.34
33 42 26 23-0039 EA 22" x 34" Elliptical Precast Concrete End Section	1,725.76	335.94
33 42 26 23-0040 EA 24" x 38" Elliptical Precast Concrete End Section	1,788.70	462.52
33 42 26 23-0041 EA 27" x 42" Elliptical Precast Concrete End Section	2,103.97	523.37
33 42 26 23-0042 EA 29" x 45" Elliptical Precast Concrete End Section	2,419.22	583.73
33 42 26 23-0043 EA 34" x 53" Elliptical Precast Concrete End Section	2,901.12	732.39
33 42 26 23-0044 EA 38" x 60" Elliptical Precast Concrete End Section	3,137.12	825.99
33 42 26 23-0045 EA 43" x 68" Elliptical Precast Concrete End Section	3,508.84	925.12
33 42 26 23-0046 EA 48" x 76" Elliptical Precast Concrete End Section	3,887.44	1,027.57
33 42 26 23-0047 Mitered Precast Concrete End Sections (33 42 26 23-0001)		
33 42 26 23-0048 EA 12" Round Mitered Precast Concrete End Sections	325.10	96.32
33 42 26 23-0049 EA 15" Round Mitered Precast Concrete End Sections	359.82	120.05
33 42 26 23-0050 EA 18" Round Mitered Precast Concrete End Sections	436.66	151.97
33 42 26 23-0051 EA 24" Round Mitered Precast Concrete End Sections	628.53	210.34
33 42 26 23-0052 EA 18" x 12" Elliptical Mitered Precast Concrete End Sections.....	382.42	120.05
33 42 26 23-0053 EA 23" x 14" Elliptical Mitered Precast Concrete End Sections.....	476.85	151.97
33 42 26 23-0054 EA 30" x 19" Elliptical Mitered Precast Concrete End Sections.....	677.51	210.34
33 42 31 Stormwater Area Drains and Inlets (33 42)		
33 42 31 00-0001 Storm Drains (33 42 31)		
See CSI section 33 05 61 00-0001 for manhole structures.		
33 42 31 00-0002 Catch Basins And Inlet Basins (33 42 31 00-0001)		
Note: Includes base slab, opening and grout. Excludes frame, grate, excavation and backfill.		
33 42 31 00-0003 Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0002)		
Note: Inside dimensions.		
33 42 31 00-0004 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0003)		
33 42 31 00-0005 EA 2' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,462.84	268.69
33 42 31 00-0006 EA 3' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,748.06	314.81
33 42 31 00-0007 EA 4' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,033.28	360.86
33 42 31 00-0008 EA 5' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,318.50	406.99
33 42 31 00-0009 EA 6' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,603.71	453.04
33 42 31 00-0010 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0003)		
33 42 31 00-0011 EA 2' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,891.04	267.06
33 42 31 00-0012 EA 3' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,337.60	356.08
33 42 31 00-0013 EA 4' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,980.28	485.57
33 42 31 00-0014 EA 5' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,633.35	566.50
33 42 31 00-0015 EA 6' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	4,144.30	647.44
33 42 31 00-0016 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0003)		
33 42 31 00-0017 EA 2' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,033.21	291.34
33 42 31 00-0018 EA 3' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,817.06	404.64
33 42 31 00-0019 EA 4' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,436.92	526.03
33 42 31 00-0020 EA 5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,968.77	606.96
33 42 31 00-0021 EA 6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	5,032.82	776.92
33 42 31 00-0022 Cast In Place, Catch Basin (33 42 31 00-0002)		
Note: Inside span, overall depth. Includes concrete, forms, rebar (where required), finish and curing.		
33 42 31 00-0023 3' x 3', Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0024 EA 3' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	1,789.89	324.84
33 42 31 00-0025 EA 3'-6" Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin.....	1,897.71	345.41

33	Utilities
33 40	Stormwater Utilities
33 42	Stormwater Conveyance



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0026	EA		4' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,074.27	370.98
33 42 31 00-0027	EA		4'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,335.73	410.63
33 42 31 00-0028	EA		5' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,520.29	437.09
33 42 31 00-0029	EA		5'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,638.63	458.38
33 42 31 00-0030	EA		6' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,823.34	484.85
33 42 31 00-0031	EA		6'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,938.93	506.21
33 42 31 00-0032	EA		7' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,124.83	532.59
33 42 31 00-0033	EA		7'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,241.99	553.96
33 42 31 00-0034	EA		8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,426.62	580.42
33 42 31 00-0035	VLV		>8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	428.35	72.51
33 42 31 00-0036			3'-6" x 3'-6", Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0037	EA		3' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,058.52	375.51
33 42 31 00-0038	EA		3'-6" Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,195.11	401.90
33 42 31 00-0039	EA		4' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,379.00	428.36
33 42 31 00-0040	EA		4'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	2,684.54	474.40
33 42 31 00-0041	EA		5' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	2,887.28	504.35
33 42 31 00-0042	EA		5'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,023.65	529.20
33 42 31 00-0043	EA		6' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,228.99	559.14
33 42 31 00-0044	EA		6'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,365.36	583.98
33 42 31 00-0045	EA		7' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,569.20	613.92
33 42 31 00-0046	EA		7'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,705.87	638.77
33 42 31 00-0047	EA		8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,909.80	668.72
33 42 31 00-0048	VLV		>8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	488.75	83.60
33 42 31 00-0049			4' x 4', Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0050	EA		3' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	2,346.04	429.57
33 42 31 00-0051	EA		3'-6" Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	2,489.97	456.84
33 42 31 00-0052	EA		4' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	2,701.46	489.13
33 42 31 00-0053	EA		4'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	3,051.55	541.66
33 42 31 00-0054	EA		5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	3,274.99	575.08
33 42 31 00-0055	EA		5'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	3,430.79	603.49
33 42 31 00-0056	EA		6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	3,654.23	636.91
33 42 31 00-0057	EA		6'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	3,809.74	665.31
33 42 31 00-0058	EA		7' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,033.18	698.74
33 42 31 00-0059	EA		7'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,188.99	727.14
33 42 31 00-0060	EA		8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,412.42	760.65
33 42 31 00-0061	VLV		>8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	551.52	95.09
33 42 31 00-0062			4'-6" x 4'-6", Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0063	EA		3' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,708.97	498.12
33 42 31 00-0064	EA		3'-6" Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,876.85	526.28
33 42 31 00-0065	EA		4' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,110.89	562.70
33 42 31 00-0066	EA		4'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,510.27	622.43
33 42 31 00-0067	EA		5' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,758.22	660.14
33 42 31 00-0068	EA		5'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,938.63	692.75
33 42 31 00-0069	EA		6' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,186.88	730.47
33 42 31 00-0070	EA		6'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,367.27	763.16
33 42 31 00-0071	EA		7' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,615.23	800.87
33 42 31 00-0072	EA		7'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,794.44	833.49
33 42 31 00-0073	EA		8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,043.89	871.20
33 42 31 00-0074	VLV		>8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	630.53	108.93
33 42 31 00-0075			5' x 5', Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0076	EA		4' Deep, 5' x 5' x 6" Thick Wall, Cast In Place, Catch Basin	3,482.01	631.81
33 42 31 00-0077	EA		4'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	3,926.84	698.18
33 42 31 00-0078	EA		5' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,195.81	739.53
33 42 31 00-0079	EA		5'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,396.05	775.79
33 42 31 00-0080	EA		6' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,662.36	817.05
33 42 31 00-0081	EA		6'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,863.79	853.31
33 42 31 00-0082	EA		7' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,131.58	894.67
33 42 31 00-0083	EA		7'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,330.33	930.92
33 42 31 00-0084	EA		8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,599.31	972.20
33 42 31 00-0085	VLV		>8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	989.79	121.55
33 42 31 00-0086			5'-6" x 5'-6", Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0087	EA		4' Deep, 5'-6" x 5'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,870.95	704.57
33 42 31 00-0088	EA		4'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,506.28	797.56
33 42 31 00-0089	EA		5' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,803.80	843.53
33 42 31 00-0090	EA		5'-6" Deep, 5'-6" x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,032.58	884.71
33 42 31 00-0091	EA		6' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,331.59	931.00
33 42 31 00-0092	EA		6'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,561.56	972.20
33 42 31 00-0093	EA		7' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,859.09	1,018.49
33 42 31 00-0094	EA		7'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,087.87	1,059.68
33 42 31 00-0095	EA		8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,385.41	1,105.97



	Utilities	33
	Stormwater Utilities	33 40
	Stormwater Conveyance	33 42

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0096 VLF >8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	798.18	138.23
33 42 31 00-0097 6' x 6', Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0098 EA 4' Deep, 6' x 6' x 6" Thick Wall, Cast In Place, Catch Basin	4,280.61	780.72
33 42 31 00-0099 EA 4'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	4,980.69	882.77
33 42 31 00-0100 EA 5' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	5,299.74	932.79
33 42 31 00-0101 EA 5'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	5,549.73	977.70
33 42 31 00-0102 EA 6' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	5,867.58	1,027.72
33 42 31 00-0103 EA 6'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	6,119.07	1,072.63
33 42 31 00-0104 EA 7' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	6,436.63	1,122.65
33 42 31 00-0105 EA 7'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	6,686.91	1,167.56
33 42 31 00-0106 EA 8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	7,005.95	1,217.58
33 42 31 00-0107 VLF >8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	875.78	152.23
33 42 31 00-0108 6'-6" x 6'-6", Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0109 EA 4' Deep, 6'-6" x 6'-6" x 6" Thick Wall, Cast In Place, Catch Basin	4,708.27	860.51
33 42 31 00-0110 EA 4'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,657.40	996.96
33 42 31 00-0111 EA 5' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,007.72	1,052.32
33 42 31 00-0112 EA 5'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,290.39	1,102.58
33 42 31 00-0113 EA 6' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,640.70	1,157.84
33 42 31 00-0114 EA 6'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,923.39	1,208.18
33 42 31 00-0115 EA 7' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,273.70	1,263.46
33 42 31 00-0116 EA 7'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,556.38	1,313.72
33 42 31 00-0117 EA 8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,908.18	1,369.07
33 42 31 00-0118 VLF >8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	988.48	171.16
33 42 31 00-0119 7' x 7', Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0120 EA 4' Deep, 7' x 7' x 6" Thick Wall, Cast In Place, Catch Basin	5,155.32	943.79
33 42 31 00-0121 EA 4'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	6,193.99	1,092.70
33 42 31 00-0122 EA 5' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	6,566.31	1,151.94
33 42 31 00-0123 EA 5'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	6,869.59	1,206.00
33 42 31 00-0124 EA 6' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	7,243.01	1,265.16
33 42 31 00-0125 EA 6'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	7,546.29	1,319.30
33 42 31 00-0126 EA 7' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	7,918.59	1,378.46
33 42 31 00-0127 EA 7'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	8,223.07	1,432.60
33 42 31 00-0128 EA 8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	8,595.29	1,491.76
33 42 31 00-0129 VLF >8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	1,074.45	186.46
33 42 31 00-0130 7'-6" x 7'-6", Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0131 EA 4' Deep, 7'-6" x 7'-6" x 6" Thick Wall, Cast In Place, Catch Basin	5,829.57	1,059.28
33 42 31 00-0132 EA 4'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,752.66	1,192.33
33 42 31 00-0133 EA 5' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,145.50	1,255.37
33 42 31 00-0134 EA 5'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,471.96	1,313.31
33 42 31 00-0135 EA 6' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,865.91	1,376.36
33 42 31 00-0136 EA 6'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,192.37	1,434.30
33 42 31 00-0137 EA 7' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,585.20	1,497.34
33 42 31 00-0138 EA 7'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,911.66	1,555.29
33 42 31 00-0139 EA 8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,305.68	1,618.33
33 42 31 00-0140 VLF >8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	1,163.17	202.32
33 42 31 00-0141 8' x 8', Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0142 EA 4' Deep, 8' x 8' x 6" Thick Wall, Cast In Place, Catch Basin	6,334.98	1,152.51
33 42 31 00-0143 EA 4'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	7,331.77	1,295.83
33 42 31 00-0144 EA 5' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	7,746.39	1,362.68
33 42 31 00-0145 EA 5'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	8,094.84	1,424.51
33 42 31 00-0146 EA 6' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	8,509.39	1,491.35
33 42 31 00-0147 EA 6'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	8,855.46	1,553.19
33 42 31 00-0148 EA 7' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	9,272.38	1,620.04
33 42 31 00-0149 EA 7'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	9,620.84	1,681.86
33 42 31 00-0150 EA 8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	10,028.18	1,748.71
33 42 31 00-0151 VLF >8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	1,254.42	218.59
33 42 31 00-0152 Precast Concrete Catch Basins (33 42 31 00-0002)		
Note: Inside dimensions.		
33 42 31 00-0153 1'-6" Diameter Precast Catch Basins (33 42 31 00-0152)		
33 42 31 00-0154 EA 4' Deep, 1'-6" Diameter Precast Catch Basins.....	564.35	168.88
33 42 31 00-0155 EA 6' Deep, 1'-6" Diameter Precast Catch Basins.....	782.09	253.32
33 42 31 00-0156 EA 8' Deep, 1'-6" Diameter Precast Catch Basins.....	988.62	329.32
33 42 31 00-0157 EA 10' Deep, 1'-6" Diameter Precast Catch Basins.....	1,185.35	389.27
33 42 31 00-0158 EA 12' Deep, 1'-6" Diameter Precast Catch Basins.....	1,457.23	493.97
33 42 31 00-0159 EA 14' Deep, 1'-6" Diameter Precast Catch Basins.....	1,666.20	569.97
33 42 31 00-0160 VLF Vertical Linear Foot Over 14' Deep, 1'-6" Diameter Precast Catch Basins.....	115.81	38.00

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0161			2' Diameter Precast Catch Basins (33 42 31 00-0152)		
33 42 31 00-0162	EA		4' Deep, 2' Diameter Precast Catch Basin	643.80	187.88
33 42 31 00-0163	EA		6' Deep, 2' Diameter Precast Catch Basin	887.25	278.65
33 42 31 00-0164	EA		8' Deep, 2' Diameter Precast Catch Basin	1,117.25	367.32
33 42 31 00-0165	EA		10' Deep, 2' Diameter Precast Catch Basin	1,335.48	428.54
33 42 31 00-0166	EA		12' Deep, 2' Diameter Precast Catch Basin	1,651.32	548.86
33 42 31 00-0167	EA		14' Deep, 2' Diameter Precast Catch Basin	1,885.77	633.30
33 42 31 00-0168	VLF		Vertical Linear Foot Over 14' Deep, 2' Diameter Precast Catch Basin	131.09	45.60
33 42 31 00-0169			3' Diameter Precast Catch Basins (33 42 31 00-0152)		
33 42 31 00-0170	EA		4' Deep, 3' Diameter Precast Catch Basin	854.65	221.66
33 42 31 00-0171	EA		6' Deep, 3' Diameter Precast Catch Basin	1,161.84	327.63
33 42 31 00-0172	EA		8' Deep, 3' Diameter Precast Catch Basin	1,455.68	432.75
33 42 31 00-0173	EA		10' Deep, 3' Diameter Precast Catch Basin	1,812.98	540.42
33 42 31 00-0174	EA		12' Deep, 3' Diameter Precast Catch Basin	2,140.10	644.28
33 42 31 00-0175	EA		14' Deep, 3' Diameter Precast Catch Basin	2,455.18	749.82
33 42 31 00-0176	VLF		Vertical Linear Foot Over 14' Deep, 3' Diameter Precast Catch Basin	168.54	53.55
33 42 31 00-0177			4' Diameter Precast Catch Basins (33 42 31 00-0152)		
33 42 31 00-0178	EA		4' Deep, 4' Diameter Precast Catch Basin	1,037.86	246.57
33 42 31 00-0179	EA		6' Deep, 4' Diameter Precast Catch Basin	1,346.67	337.76
33 42 31 00-0180	EA		8' Deep, 4' Diameter Precast Catch Basin	1,793.34	506.64
33 42 31 00-0181	EA		10' Deep, 4' Diameter Precast Catch Basin	2,237.76	633.30
33 42 31 00-0182	EA		12' Deep, 4' Diameter Precast Catch Basin	2,643.23	759.96
33 42 31 00-0183	EA		14' Deep, 4' Diameter Precast Catch Basin	3,035.00	886.62
33 42 31 00-0184	VLF		Vertical Linear Foot Over 14' Deep, 4' Diameter Precast Catch Basin	207.81	63.33
33 42 31 00-0185			5' Diameter Precast Catch Basins (33 42 31 00-0152)		
33 42 31 00-0186	EA		4' Deep, 5' Diameter Precast Catch Basin	1,396.15	337.76
33 42 31 00-0187	EA		6' Deep, 5' Diameter Precast Catch Basin	1,903.30	506.64
33 42 31 00-0188	EA		8' Deep, 5' Diameter Precast Catch Basin	2,412.94	675.52
33 42 31 00-0189	EA		10' Deep, 5' Diameter Precast Catch Basin	2,948.11	844.40
33 42 31 00-0190	EA		12' Deep, 5' Diameter Precast Catch Basin	3,474.78	1,013.28
33 42 31 00-0191	EA		14' Deep, 5' Diameter Precast Catch Basin	4,042.59	1,182.16
33 42 31 00-0192	VLF		Vertical Linear Foot Over 14' Deep, 5' Diameter Precast Catch Basin	276.47	84.44
33 42 31 00-0193			6' Diameter Precast Catch Basins (33 42 31 00-0152)		
33 42 31 00-0194	EA		4' Deep, 6' Diameter Precast Catch Basin	2,040.74	506.64
33 42 31 00-0195	EA		6' Deep, 6' Diameter Precast Catch Basin	2,753.19	759.96
33 42 31 00-0196	EA		8' Deep, 6' Diameter Precast Catch Basin	3,517.22	1,013.28
33 42 31 00-0197	EA		10' Deep, 6' Diameter Precast Catch Basin	4,382.76	1,266.60
33 42 31 00-0198	EA		12' Deep, 6' Diameter Precast Catch Basin	5,220.84	1,519.92
33 42 31 00-0199	EA		14' Deep, 6' Diameter Precast Catch Basin	6,038.02	1,773.23
33 42 31 00-0200	VLF		Vertical Linear Foot Over 14' Deep, 6' Diameter Precast Catch Basin	411.97	126.66
33 42 31 00-0201			Precast Catch Basins Accessories (33 42 31 00-0152)		
33 42 31 00-0202	EA		Single Or Double Wing Slab Top With Throat.....	1,186.07	548.86
33 42 31 00-0203	EA		4' x 4' Weir Box, Precast Catch Basin.....	579.01	67.55
33 42 31 00-0204	EA		4' Diameter Inlet Round To Square Adapter, Precast Catch Basin.....	319.15	71.78
33 42 31 00-0205	EA		3' Diameter, Up To 6" High, Precast Extension Ring.....	395.29	105.55
			<i>For Each Additional Inch In Height, Add</i>	48.28	
33 42 31 00-0206	EA		4' Diameter, Up To 6" High, Precast Extension Ring.....	465.88	126.66
			<i>For Each Additional Inch In Height, Add</i>	56.52	
33 42 31 00-0207	EA		5' Diameter, Up To 6" High, Precast Extension Ring.....	543.44	147.77
			<i>For Each Additional Inch In Height, Add</i>	65.97	
33 42 31 00-0208	EA		6' Diameter, Up To 6" High, Precast Extension Ring.....	675.49	211.10
			<i>For Each Additional Inch In Height, Add</i>	77.43	
33 42 31 00-0209	EA		Adjust Existing Catch Basin Inlet Grate To Match Grade.....	506.61	
33 42 31 00-0210			Catch Basin Risers (33 42 31 00-0152)		
33 42 31 00-0211	EA		Up To 860 Square Inch, Up To 2" Rise, Catch Basin Riser	262.80	
33 42 31 00-0212	EA		>860 To 1140 Square Inch, Up To 2" Rise, Catch Basin Riser.....	290.20	
33 42 31 00-0213	EA		>1140 Square Inch, Up To 2" Rise, Catch Basin Riser.....	322.65	
33 42 31 00-0214	EA		Up To 860 Square Inch, >2" To 3" Rise, Catch Basin Riser	282.50	
33 42 31 00-0215	EA		>860 To 1140 Square Inch, >2" To 3" Rise, Catch Basin Riser.....	311.73	
33 42 31 00-0216	EA		>1140 Square Inch, >2" To 3" Rise, Catch Basin Riser.....	347.67	
33 42 31 00-0217	EA		Up To 860 Square Inch, >3" To 4" Rise, Catch Basin Riser	311.00	
33 42 31 00-0218	EA		>860 To 1140 Square Inch, >3" To 4" Rise, Catch Basin Riser.....	337.09	
33 42 31 00-0219	EA		>1140 Square Inch, >3" To 4" Rise, Catch Basin Riser.....	373.21	
33 42 31 00-0220			Cast In Place, Storm Drain Cleanout (33 42 31 00-0002)		
			Note: Inside span.		



	Utilities	33	
	Stormwater Utilities	33 40	33
	Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0221 EA 6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	3,766.11	640.79
33 42 31 00-0222 EA 6' Deep, 4' x 5' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	4,291.34	731.27
33 42 31 00-0223 EA 6' Deep, 4' x 6' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	4,877.56	829.92
33 42 31 00-0224 EA 7' Deep, 4' x 7' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	5,854.12	995.59
33 42 31 00-0225 EA 8' Deep, 4' x 8' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	7,102.11	1,201.95
33 42 31 00-0226 Precast Concrete Inlet Boxes (33 42 31 00-0002)		
Note: Inside dimensions.		
33 42 31 00-0227 Precast Concrete Inlet Boxes (33 42 31 00-0226)		
33 42 31 00-0228 24" x 24" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)		
Note: Yard inlet.		
33 42 31 00-0229 24" x 24" ID, Precast Concrete Inlet Boxes (33 42 31 00-0228)		
33 42 31 00-0230 EA 24" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	535.75	59.11
33 42 31 00-0231 EA 30" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	630.68	71.78
33 42 31 00-0232 EA 36" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	725.60	84.44
33 42 31 00-0233 EA 42" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	821.57	97.63
33 42 31 00-0234 24" x 24" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0228)		
33 42 31 00-0235 EA 6" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	141.37	
33 42 31 00-0236 EA 12" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	223.62	
33 42 31 00-0237 EA 18" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	314.32	
33 42 31 00-0238 EA 24" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	405.02	
33 42 31 00-0239 EA 30" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	495.72	
33 42 31 00-0240 EA 36" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	586.42	
33 42 31 00-0241 22" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)		
33 42 31 00-0242 22" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0241)		
33 42 31 00-0243 EA 36" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,113.18	165.37
33 42 31 00-0244 EA 42" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,254.04	191.20
33 42 31 00-0245 EA 48" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,394.89	217.04
33 42 31 00-0246 EA 54" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,535.86	242.94
33 42 31 00-0247 EA 60" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,676.84	268.84
33 42 31 00-0248 EA 66" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,817.82	294.74
33 42 31 00-0249 EA 72" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,958.79	320.64
33 42 31 00-0250 22" x 48" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0241)		
33 42 31 00-0251 EA 6" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	277.31	
33 42 31 00-0252 EA 12" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	436.39	
33 42 31 00-0253 EA 18" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	478.62	
33 42 31 00-0254 EA 24" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	610.02	
33 42 31 00-0255 EA 30" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	741.42	
33 42 31 00-0256 EA 36" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	865.77	
33 42 31 00-0257 EA 42" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,006.62	
33 42 31 00-0258 EA 48" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,147.48	
33 42 31 00-0259 EA 54" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,288.46	
33 42 31 00-0260 EA 60" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,429.43	
33 42 31 00-0261 EA 66" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,570.40	
33 42 31 00-0262 EA 72" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,711.38	
33 42 31 00-0263 30" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)		
33 42 31 00-0264 30" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0263)		
33 42 31 00-0265 EA 36" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,081.11	181.90
33 42 31 00-0266 EA 42" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,223.07	210.32
33 42 31 00-0267 EA 48" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,365.04	238.75
33 42 31 00-0268 EA 54" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,507.13	267.24
33 42 31 00-0269 EA 60" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,649.23	295.73
33 42 31 00-0270 EA 66" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,791.34	324.21
33 42 31 00-0271 EA 72" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,933.44	352.70
33 42 31 00-0272 30" x 48" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0263)		
33 42 31 00-0273 EA 6" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	275.68	
33 42 31 00-0274 EA 12" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	428.99	
33 42 31 00-0275 EA 18" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	471.99	
33 42 31 00-0276 EA 24" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	600.92	
33 42 31 00-0277 EA 30" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	729.87	
33 42 31 00-0278 EA 36" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	857.98	
33 42 31 00-0279 EA 42" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	997.67	
33 42 31 00-0280 EA 48" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,136.53	
33 42 31 00-0281 EA 54" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,276.23	
33 42 31 00-0282 EA 60" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,415.09	
33 42 31 00-0283 EA 66" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,554.78	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0284 EA 72" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	1,694.47	
33 42 31 00-0285 42" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)		
33 42 31 00-0286 42" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0285)		
33 42 31 00-0287 EA 36" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	1,279.76	198.43
33 42 31 00-0288 EA 42" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	1,446.25	230.68
33 42 31 00-0289 EA 48" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	1,612.73	263.75
33 42 31 00-0290 EA 54" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	1,778.40	296.00
33 42 31 00-0291 EA 60" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	1,944.88	329.07
33 42 31 00-0292 EA 66" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	2,111.37	361.32
33 42 31 00-0293 EA 72" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	2,277.04	393.56
33 42 31 00-0294 42" x 48" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0285)		
33 42 31 00-0295 EA 6" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	302.24	
33 42 31 00-0296 EA 12" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	480.44	
33 42 31 00-0297 EA 18" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	524.68	
33 42 31 00-0298 EA 24" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	670.09	
33 42 31 00-0299 EA 30" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	815.49	
33 42 31 00-0300 EA 36" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	960.90	
33 42 31 00-0301 EA 42" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	1,117.46	
33 42 31 00-0302 EA 48" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	1,274.03	
33 42 31 00-0303 EA 54" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	1,430.59	
33 42 31 00-0304 EA 60" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	1,587.17	
33 42 31 00-0305 EA 66" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	1,743.73	
33 42 31 00-0306 EA 72" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	1,900.30	
33 42 31 00-0307 42" x 48" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0285)		
33 42 31 00-0308 EA 42" x 48" ID, Precast Concrete Inlet Box Top Slab.....	729.88	124.02
33 42 31 00-0309 48" x 54" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)		
33 42 31 00-0310 48" x 54" ID, Precast Concrete Inlet Boxes (33 42 31 00-0309)		
33 42 31 00-0311 EA 36" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	1,795.09	220.49
33 42 31 00-0312 EA 42" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	2,015.10	256.73
33 42 31 00-0313 EA 48" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	2,235.11	292.96
33 42 31 00-0314 EA 54" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	2,454.86	329.07
33 42 31 00-0315 EA 60" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	2,674.61	365.18
33 42 31 00-0316 EA 66" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	2,894.35	401.29
33 42 31 00-0317 EA 72" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	3,114.10	437.40
33 42 31 00-0318 48" x 54" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0309)		
33 42 31 00-0319 EA 6" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	304.63	
33 42 31 00-0320 EA 12" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	474.20	
33 42 31 00-0321 EA 18" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	690.63	
33 42 31 00-0322 EA 24" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	907.06	
33 42 31 00-0323 EA 30" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	1,109.72	
33 42 31 00-0324 EA 36" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	1,326.15	
33 42 31 00-0325 EA 42" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	1,546.16	
33 42 31 00-0326 EA 48" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	1,766.17	
33 42 31 00-0327 EA 54" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	1,985.92	
33 42 31 00-0328 EA 60" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	2,205.67	
33 42 31 00-0329 EA 66" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	2,425.41	
33 42 31 00-0330 EA 72" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	2,645.16	
33 42 31 00-0331 48" x 54" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0309)		
33 42 31 00-0332 EA 48" x 54" ID, Precast Concrete Inlet Box Top Slab.....	792.83	134.36
33 42 31 00-0333 48" x 66" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)		
33 42 31 00-0334 48" x 66" ID, Precast Concrete Inlet Boxes (33 42 31 00-0333)		
33 42 31 00-0335 EA 36" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	2,047.73	277.81
33 42 31 00-0336 EA 42" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	2,291.85	324.23
33 42 31 00-0337 EA 48" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	2,535.98	370.64
33 42 31 00-0338 EA 54" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	2,779.60	416.80
33 42 31 00-0339 EA 60" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	3,023.21	462.96
33 42 31 00-0340 EA 66" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	3,266.82	509.11
33 42 31 00-0341 EA 72" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	3,510.44	555.28
33 42 31 00-0342 48" x 66" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0333)		
33 42 31 00-0343 EA 6" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	336.50	
33 42 31 00-0344 EA 12" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	510.95	



	Utilities	33	
	Stormwater Utilities	33 40	33
	Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0345 EA 18" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	754.84	
33 42 31 00-0346 EA 24" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	998.74	
33 42 31 00-0347 EA 30" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,219.49	
33 42 31 00-0348 EA 36" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,463.39	
33 42 31 00-0349 EA 42" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,707.51	
33 42 31 00-0350 EA 48" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,951.64	
33 42 31 00-0351 EA 54" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,195.26	
33 42 31 00-0352 EA 60" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,438.87	
33 42 31 00-0353 EA 66" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,682.48	
33 42 31 00-0354 EA 72" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,926.10	
33 42 31 00-0355 48" x 66" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0333)		
33 42 31 00-0356 EA 48" x 66" ID, Precast Concrete Inlet Box Top Slab	882.14	150.48
33 42 31 00-0357 42" x 102" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)		
33 42 31 00-0358 42" x 102" ID, Precast Concrete Inlet Boxes (33 42 31 00-0357)		
33 42 31 00-0359 EA 36" Height, 42" x 102" ID, Precast Concrete Inlet Box	2,610.89	374.55
33 42 31 00-0360 EA 42" Height, 42" x 102" ID, Precast Concrete Inlet Box	2,920.75	436.56
33 42 31 00-0361 EA 48" Height, 42" x 102" ID, Precast Concrete Inlet Box	3,230.63	497.75
33 42 31 00-0362 EA 54" Height, 42" x 102" ID, Precast Concrete Inlet Box	3,539.68	559.76
33 42 31 00-0363 EA 60" Height, 42" x 102" ID, Precast Concrete Inlet Box	3,849.55	620.94
33 42 31 00-0364 EA 66" Height, 42" x 102" ID, Precast Concrete Inlet Box	4,158.58	682.12
33 42 31 00-0365 EA 72" Height, 42" x 102" ID, Precast Concrete Inlet Box	4,469.28	744.13
33 42 31 00-0366 42" x 102" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0357)		
33 42 31 00-0367 EA 6" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	453.74	
33 42 31 00-0368 EA 12" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	677.62	
33 42 31 00-0369 EA 18" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	981.70	
33 42 31 00-0370 EA 24" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	1,285.78	
33 42 31 00-0371 EA 30" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	1,565.90	
33 42 31 00-0372 EA 36" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	1,869.97	
33 42 31 00-0373 EA 42" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	2,179.83	
33 42 31 00-0374 EA 48" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	2,489.71	
33 42 31 00-0375 EA 54" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	2,798.76	
33 42 31 00-0376 EA 60" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	3,108.63	
33 42 31 00-0377 EA 66" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	3,417.66	
33 42 31 00-0378 EA 72" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	3,727.54	
33 42 31 00-0379 42" x 102" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0357)		
33 42 31 00-0380 EA 42" x 102" ID, Precast Concrete Inlet Box Top Slab	1,189.60	165.37
33 42 31 00-0381 Frames And Grates For Inlets (33 42 31 00-0226)		
33 42 31 00-0382 Inlet Frames And Grates (33 42 31 00-0381)		
33 42 31 00-0383 EA 24" x 24", Heavy Duty Inlet Grate	249.24	38.96
Note: For type A, B, D, or E inlets.		
33 42 31 00-0384 EA 47-3/4" x 21-3/4", Bicycle Safe Inlet Grate (US Foundry 6352 GRT)	317.66	38.96
Note: For type A, B, D, or E inlets.		
33 42 31 00-0385 EA 47-3/4" x 21-3/4", Phase II Stormwater Compliant Inlet Grate (US Foundry 6352 GRT)	317.66	38.96
Note: Includes legend: Dump No Waste "Drains To Waterways".		
33 42 31 00-0386 EA Phase II Storm Water Compliant Grate, Echo Grate, Type "B" And "D" Inlet Covers (US Foundry 6352 GRT)	317.66	38.96
Note: Legend: Dump No Waste "Drains to Waterways"		
33 42 31 00-0387 EA Parallel Bar Grates For Type A, B, D And E Inlets (Campbell Foundry 2617-0362)	346.21	38.96
33 42 31 00-0388 EA Type B Inlet Dirt Plate (US Foundry 5217 BK)	281.42	77.91
33 42 31 00-0389 EA Back Plate For Type B Inlets (Campbell Foundry 2548-1942)	321.38	77.91
33 42 31 00-0390 EA Phase II Echo-Safe Bar For Series 2500/2600 Curb Inlets (Campbell Foundry 25419EC4)	400.29	97.40
Note: Includes cam action clamping system, stainless steel badge labeled to center of plate, steel plate welded to bar with legend: Dump No Waste "Drains to Waterways".		
33 42 31 00-0391 EA 1-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	348.92	97.40
33 42 31 00-0392 EA 2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	354.63	97.40
33 42 31 00-0393 EA 2-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	366.04	97.40
33 42 31 00-0394 EA 3" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	377.46	97.40
33 42 31 00-0395 EA 2" Extension Frame For Type A Inlet (General Foundries 6352 EXT)	366.04	97.40
33 42 31 00-0396 EA 2-1/2" Extension Frame For Type A Inlet (General Foundries 6352 EXT)	377.46	97.40
33 42 31 00-0397 EA 3" Extension Frame For Type A Inlet (General Foundries 6352 EXT)	388.88	97.40
33 42 31 00-0398 EA 2" Extension Frame For Type E Inlet (General Foundries 6352 EXT)	537.30	97.40
33 42 31 00-0399 EA 2-1/2" Extension Frame For Type E Inlet (General Foundries 6352 EXT)	560.13	97.40
33 42 31 00-0400 EA 3" Extension Frame For Type E Inlet (General Foundries 6352 EXT)	582.96	97.40
33 42 31 00-0401 EA 2", 3 Sided Extension Frame For Type A, B, D, And E Inlet (Campbell Foundry 2701)	411.71	97.40
33 42 31 00-0402 EA 6" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N6)	377.46	97.40
33 42 31 00-0403 EA 8" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N8)	377.46	97.40
33 42 31 00-0404 EA 6" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-6)	719.88	97.40
33 42 31 00-0405 EA 8" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-8)	719.88	97.40
33 42 31 00-0406 EA Safety Bars For Type B And D Inlets (General Foundries 5218 SB)	328.43	107.14

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0407 EA 6", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 648) Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.	436.89	107.14
33 42 31 00-0408 EA 8", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 848) Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.	436.89	107.14
33 42 31 00-0409 EA 10", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 1048) Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.	476.85	107.14
33 42 31 00-0410 EA Type B Inlet Frame (US Foundry 5216 FRM)	539.64	107.14
33 42 31 00-0411 EA Type D Inlet Frame (US Foundry 2999 FRM)	471.14	107.14
33 42 31 00-0412 EA Type B Inlet Frame (Campbell Foundry 2618-0202).....	648.10	107.14
33 42 31 00-0413 EA Type D Inlet Frame (Campbell Foundry 2617-0002).....	579.60	107.14
33 42 31 00-0414 EA Type A Inlet, Single Frame And Grate (US Foundry 52340).....	756.92	155.83
33 42 31 00-0415 EA Type E Inlet, Single Frame And Grate (US Foundry 52342).....	1,167.93	155.83
33 42 31 00-0416 EA Type A Inlet, Single Frame And Grate (General Foundries 52340).....	739.79	155.83
33 42 31 00-0417 EA Type E Inlet, Double Frame And Grate (General Foundries 52342).....	1,114.27	155.83
33 42 31 00-0418 EA Oversized Type A Inlet, Single Frame And Reticuline Grate (US Foundry 82340).....	1,226.71	233.74
33 42 31 00-0419 EA Heavy Duty Rectangular Frame And Grate (Campbell Foundry 3084).....	1,294.96	311.66
33 42 31 00-0420 EA 6" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52186).....	1,405.39	311.66
33 42 31 00-0421 EA 8" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52198).....	1,405.39	311.66
33 42 31 00-0422 EA 6" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72266).....	1,262.68	311.66
33 42 31 00-0423 EA 8" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72268).....	1,262.68	311.66
33 42 31 00-0424 EA Type B And C Inlet Frame And Grate With Type N Curb And Back Plate (Campbell Foundry GFI 52198).....	1,451.06	311.66
33 42 31 00-0425 Catch Basin Frames And Covers (33 42 31 00-0001)		
33 42 31 00-0426 Cast Iron Frames And Covers (33 42 31 00-0425)		
33 42 31 00-0427 EA 18" Diameter Cast Iron Catch Basin Frame And Cover	323.76	84.44
33 42 31 00-0428 EA 22" Diameter Cast Iron Catch Basin Frame And Cover	396.22	95.41
33 42 31 00-0429 EA 24" Diameter Cast Iron Catch Basin Frame And Cover	437.10	98.79
33 42 31 00-0430 EA 26" Diameter Cast Iron Catch Basin Frame And Cover	488.07	114.84
33 42 31 00-0431 EA 28" Diameter Cast Iron Catch Basin Frame And Cover	557.28	130.88
33 42 31 00-0432 EA 32" Diameter Cast Iron Catch Basin Frame And Cover	834.34	136.79
33 42 31 00-0433 EA 16" x 16" Cast Iron Catch Basin Frame And Cover	472.90	103.86
33 42 31 00-0434 EA 18" x 24" Cast Iron Catch Basin Frame And Cover	599.57	119.90
33 42 31 00-0435 EA 20" x 27" Cast Iron Catch Basin Frame And Cover	666.89	124.98
33 42 31 00-0436 EA 23" x 23" Cast Iron Catch Basin Frame And Cover.....	637.44	124.98
33 42 31 00-0437 EA 24" x 24" Cast Iron Catch Basin Frame And Cover.....	659.91	130.04
33 42 31 00-0438 EA 26" x 26" Cast Iron Catch Basin Frame And Cover.....	703.98	135.10
33 42 31 00-0439 EA 24" x 36" Cast Iron Catch Basin Frame And Cover.....	828.30	145.24
33 42 31 00-0440 Area Yard Drain (33 42 31 00-0001) See CSI section 22 14 26 16-0001 for drains.		
33 42 31 00-0441 Ductile Iron Grates (33 42 31 00-0440) Note: Not for traffic loading.		
33 42 31 00-0442 EA 8" Diameter Ductile Iron Grate Adapter Necks Down To 4" and 6" Diameter Pipe	123.73	29.90
33 42 31 00-0443 EA 10" Diameter Ductile Iron Grate Adapters To 4", 6", or 8" Diameter Pipe	151.23	31.89
33 42 31 00-0444 EA 12" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	348.74	39.87
33 42 31 00-0445 EA 15" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	416.73	47.84
33 42 31 00-0446 Concrete Drainage Inlet Structures (CALTRANS) (33 42 31 00-0001)		
33 42 31 00-0447 Type OS Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0448 EA 3' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	2,256.45	
33 42 31 00-0449 EA 4' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	2,622.90	
33 42 31 00-0450 EA 5' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	2,963.69	
33 42 31 00-0451 EA 6' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	3,278.83	
33 42 31 00-0452 EA 7' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	3,568.30	
33 42 31 00-0453 EA 8' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	3,832.10	
33 42 31 00-0454 EA 8' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	5,214.41	
33 42 31 00-0455 EA 10' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	6,080.77	
33 42 31 00-0456 EA 12' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	6,881.28	
33 42 31 00-0457 EA 14' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	7,617.62	
33 42 31 00-0458 EA 16' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	8,328.77	
33 42 31 00-0459 EA 18' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	8,984.04	
33 42 31 00-0460 EA 20' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	9,583.42	
33 42 31 00-0461 Type OL-7 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0462 EA 3' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,072.60	
33 42 31 00-0463 EA 4' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,415.60	
33 42 31 00-0464 EA 5' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,732.93	
33 42 31 00-0465 EA 6' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,024.60	
33 42 31 00-0466 EA 7' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,289.76	
33 42 31 00-0467 EA 8' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,530.10	
33 42 31 00-0468 EA 8' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,871.34	
33 42 31 00-0469 EA 10' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,717.66	
33 42 31 00-0470 EA 12' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,498.11	
33 42 31 00-0471 EA 14' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,213.56	
33 42 31 00-0472 EA 16' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,907.50	



	Utilities	33	
	Stormwater Utilities	33 40	33
	Stormwater Conveyance	33 42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 31 00-0473	EA	18' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,545.54	
	33 42 31 00-0474	EA	20' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,127.69	
33 42 31 00-0475			Type OL-10 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
	33 42 31 00-0476	EA	3' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,824.75	
	33 42 31 00-0477	EA	4' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,146.31	
	33 42 31 00-0478	EA	5' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,441.35	
	33 42 31 00-0479	EA	6' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,711.57	
	33 42 31 00-0480	EA	7' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,955.29	
	33 42 31 00-0481	EA	8' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,173.34	
	33 42 31 00-0482	EA	8' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,528.27	
	33 42 31 00-0483	EA	10' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,353.70	
	33 42 31 00-0484	EA	12' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,114.95	
	33 42 31 00-0485	EA	14' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,810.35	
	33 42 31 00-0486	EA	16' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,486.23	
	33 42 31 00-0487	EA	18' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,107.05	
	33 42 31 00-0488	EA	20' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,671.13	
33 42 31 00-0489			Type OL-14 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
	33 42 31 00-0490	EA	3' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,896.96	
	33 42 31 00-0491	EA	4' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,186.96	
	33 42 31 00-0492	EA	5' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,451.30	
	33 42 31 00-0493	EA	6' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,689.97	
	33 42 31 00-0494	EA	7' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,902.97	
	33 42 31 00-0495	EA	8' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,090.31	
	33 42 31 00-0496	EA	8' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,458.92	
	33 42 31 00-0497	EA	10' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,255.89	
	33 42 31 00-0498	EA	12' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,987.82	
	33 42 31 00-0499	EA	14' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,654.74	
	33 42 31 00-0500	EA	16' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,307.00	
	33 42 31 00-0501	EA	18' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,902.50	
	33 42 31 00-0502	EA	20' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,442.13	
33 42 31 00-0503			Type OL-21 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
	33 42 31 00-0504	EA	3' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,073.39	
	33 42 31 00-0505	EA	4' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,300.53	
	33 42 31 00-0506	EA	5' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,502.01	
	33 42 31 00-0507	EA	6' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,677.83	
	33 42 31 00-0508	EA	7' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,827.14	
	33 42 31 00-0509	EA	8' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,951.63	
	33 42 31 00-0510	EA	8' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,279.17	
	33 42 31 00-0511	EA	10' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,020.07	
	33 42 31 00-0512	EA	12' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,695.94	
	33 42 31 00-0513	EA	14' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,306.82	
	33 42 31 00-0514	EA	16' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,910.84	
	33 42 31 00-0515	EA	18' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,458.12	
	33 42 31 00-0516	EA	20' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,949.52	
33 42 31 00-0517			Type GOL-7 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
	33 42 31 00-0518	EA	3' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,728.73	
	33 42 31 00-0519	EA	4' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,107.45	
	33 42 31 00-0520	EA	5' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,456.77	
	33 42 31 00-0521	EA	6' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,776.66	
	33 42 31 00-0522	EA	7' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,067.98	
	33 42 31 00-0523	EA	8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,330.74	
	33 42 31 00-0524	EA	8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,788.30	
	33 42 31 00-0525	EA	10' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,730.97	
	33 42 31 00-0526	EA	12' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,600.56	
	33 42 31 00-0527	EA	14' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,396.22	
	33 42 31 00-0528	EA	16' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,169.30	
	33 42 31 00-0529	EA	18' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,879.53	
	33 42 31 00-0530	EA	20' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,526.06	
33 42 31 00-0531			Type GOL-10 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
	33 42 31 00-0532	EA	3' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,544.89	
	33 42 31 00-0533	EA	4' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,899.31	
	33 42 31 00-0534	EA	5' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,225.16	
	33 42 31 00-0535	EA	6' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,522.43	
	33 42 31 00-0536	EA	7' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,790.28	
	33 42 31 00-0537	EA	8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,028.72	
	33 42 31 00-0538	EA	8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,486.30	
	33 42 31 00-0539	EA	10' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,407.20	
	33 42 31 00-0540	EA	12' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,255.00	
	33 42 31 00-0541	EA	14' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,029.73	
	33 42 31 00-0542	EA	16' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,784.03	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 31 00-0543	EA	18' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,475.50	
	33 42 31 00-0544	EA	20' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,104.09	
33 42 31 00-0545	Type G-1 Concrete Drainage Inlet Structure (33 42 31 00-0446)				
	33 42 31 00-0546	EA	3' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,520.30	
	33 42 31 00-0547	EA	4' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,818.49	
	33 42 31 00-0548	EA	5' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,095.27	
	33 42 31 00-0549	EA	6' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,352.34	
	33 42 31 00-0550	EA	7' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,589.69	
	33 42 31 00-0551	EA	8' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,805.65	
33 42 31 00-0552	Type G-2 Concrete Drainage Inlet Structure (33 42 31 00-0446)				
	33 42 31 00-0553	EA	3' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,096.41	
	33 42 31 00-0554	EA	4' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,431.80	
	33 42 31 00-0555	EA	5' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,743.72	
	33 42 31 00-0556	EA	6' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,032.17	
	33 42 31 00-0557	EA	7' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,297.18	
	33 42 31 00-0558	EA	8' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,537.86	
	33 42 31 00-0559	EA	8' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,790.14	
	33 42 31 00-0560	EA	10' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,589.51	
	33 42 31 00-0561	EA	12' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,329.08	
	33 42 31 00-0562	EA	14' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,008.87	
	33 42 31 00-0563	EA	16' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,665.46	
	33 42 31 00-0564	EA	18' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,270.67	
	33 42 31 00-0565	EA	20' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,823.67	
33 42 31 00-0566	Type G-3 Concrete Drainage Inlet Structure (33 42 31 00-0446)				
	33 42 31 00-0567	EA	3' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,648.33	
	33 42 31 00-0568	EA	4' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,942.47	
	33 42 31 00-0569	EA	5' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,216.06	
	33 42 31 00-0570	EA	6' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,469.92	
	33 42 31 00-0571	EA	7' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,702.39	
	33 42 31 00-0572	EA	8' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,915.14	
33 42 31 00-0573	Type G-4_24 Concrete Drainage Inlet Structure (33 42 31 00-0446)				
	33 42 31 00-0574	EA	3' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,032.40	
	33 42 31 00-0575	EA	4' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,369.81	
	33 42 31 00-0576	EA	5' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,683.75	
	33 42 31 00-0577	EA	6' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,973.38	
	33 42 31 00-0578	EA	7' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,240.40	
	33 42 31 00-0579	EA	8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,483.11	
	33 42 31 00-0580	EA	8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,762.76	
	33 42 31 00-0581	EA	10' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,563.56	
	33 42 31 00-0582	EA	12' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,303.73	
	33 42 31 00-0583	EA	14' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,984.11	
	33 42 31 00-0584	EA	16' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,641.17	
	33 42 31 00-0585	EA	18' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,246.86	
	33 42 31 00-0586	EA	20' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,801.16	
33 42 31 00-0587	Type G-4_18 Concrete Drainage Inlet Structure (33 42 31 00-0446)				
	33 42 31 00-0588	EA	3' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,096.41	
	33 42 31 00-0589	EA	4' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,431.80	
	33 42 31 00-0590	EA	5' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,743.72	
	33 42 31 00-0591	EA	6' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,032.17	
	33 42 31 00-0592	EA	7' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,297.18	
	33 42 31 00-0593	EA	8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,537.86	
	33 42 31 00-0594	EA	8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,790.14	
	33 42 31 00-0595	EA	10' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,589.51	
	33 42 31 00-0596	EA	12' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,329.08	
	33 42 31 00-0597	EA	14' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,008.87	
	33 42 31 00-0598	EA	16' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,665.46	
	33 42 31 00-0599	EA	18' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,270.67	
	33 42 31 00-0600	EA	20' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,823.67	
33 42 31 00-0601	Type G-5 Concrete Drainage Inlet Structure (33 42 31 00-0446)				
	33 42 31 00-0602	EA	3' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,632.32	
	33 42 31 00-0603	EA	4' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,926.76	
	33 42 31 00-0604	EA	5' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,201.47	
	33 42 31 00-0605	EA	6' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,454.80	
	33 42 31 00-0606	EA	7' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,688.41	
	33 42 31 00-0607	EA	8' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,901.45	
33 42 31 00-0608	Type G-6 Concrete Drainage Inlet Structure (33 42 31 00-0446)				



	Utilities	33	
	Stormwater Utilities	33 40	CS
	Stormwater Conveyance	33 42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 31	00-0609	EA 3' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,664.33	
	33 42 31	00-0610	EA 4' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,958.17	
	33 42 31	00-0611	EA 5' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,231.46	
	33 42 31	00-0612	EA 6' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,484.19	
	33 42 31	00-0613	EA 7' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,716.36	
	33 42 31	00-0614	EA 8' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,928.83	
	33 42 31	00-0615	Type GT1 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
	33 42 31	00-0616	EA 3' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,784.54	
	33 42 31	00-0617	EA 4' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,244.50	
	33 42 31	00-0618	EA 5' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,704.77	
	33 42 31	00-0619	EA 6' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,068.27	
	33 42 31	00-0620	EA 7' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,431.26	
	33 42 31	00-0621	EA 8' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,762.76	
	33 42 31	00-0622	Type GT2 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
	33 42 31	00-0623	EA 3' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,376.66	
	33 42 31	00-0624	EA 4' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,877.50	
	33 42 31	00-0625	EA 5' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,342.15	
	33 42 31	00-0626	EA 6' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,771.45	
	33 42 31	00-0627	EA 7' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,164.58	
	33 42 31	00-0628	EA 8' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,522.35	
	33 42 31	00-0629	EA 8' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,390.49	
	33 42 31	00-0630	EA 10' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,569.05	
	33 42 31	00-0631	EA 12' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,658.14	
	33 42 31	00-0632	EA 14' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,658.62	
	33 42 31	00-0633	EA 16' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,626.42	
	33 42 31	00-0634	EA 18' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,517.25	
	33 42 31	00-0635	EA 20' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,331.10	
	33 42 31	00-0636	Type GT3 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
	33 42 31	00-0637	EA 3' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,768.55	
	33 42 31	00-0638	EA 4' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,228.78	
	33 42 31	00-0639	EA 5' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,657.55	
	33 42 31	00-0640	EA 6' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,053.99	
	33 42 31	00-0641	EA 7' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,417.28	
	33 42 31	00-0642	EA 8' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,749.08	
	33 42 31	00-0643	Type GT4 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
	33 42 31	00-0644	EA 3' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,488.69	
	33 42 31	00-0645	EA 4' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,985.77	
	33 42 31	00-0646	EA 5' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,447.52	
	33 42 31	00-0647	EA 6' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,873.08	
	33 42 31	00-0648	EA 7' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,263.28	
	33 42 31	00-0649	EA 8' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,618.14	
	33 42 31	00-0650	EA 8' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,404.18	
	33 42 31	00-0651	EA 10' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,582.44	
	33 42 31	00-0652	EA 12' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,671.23	
	33 42 31	00-0653	EA 14' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,670.57	
	33 42 31	00-0654	EA 16' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,638.14	
	33 42 31	00-0655	EA 18' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,528.73	
	33 42 31	00-0656	EA 20' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,342.35	
	33 42 31	00-0657	Type GO Concrete Drainage Inlet Structure (33 42 31 00-0446)		
	33 42 31	00-0658	EA 3' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	1,984.39	
	33 42 31	00-0659	EA 4' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,307.82	
	33 42 31	00-0660	EA 5' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,608.37	
	33 42 31	00-0661	EA 6' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,886.05	
	33 42 31	00-0662	EA 7' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,140.85	
	33 42 31	00-0663	EA 8' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,373.62	
	33 42 31	00-0664	EA 8' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	4,639.58	
	33 42 31	00-0665	EA 10' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	5,415.09	
	33 42 31	00-0666	EA 12' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,131.27	
	33 42 31	00-0667	EA 14' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,789.79	
	33 42 31	00-0668	EA 16' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	7,426.94	
	33 42 31	00-0669	EA 18' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	8,012.89	
	33 42 31	00-0670	EA 20' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	8,549.36	
	33 42 31	00-0671	Type GDO Concrete Drainage Inlet Structure (33 42 31 00-0446)		
	33 42 31	00-0672	EA 3' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,592.51	
	33 42 31	00-0673	EA 4' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,017.68	
	33 42 31	00-0674	EA 5' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,412.91	
	33 42 31	00-0675	EA 6' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,779.03	
	33 42 31	00-0676	EA 7' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	4,114.37	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 31 00-0677	EA	8' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	4,420.61	
	33 42 31 00-0678	EA	8' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	5,967.14	
	33 42 31 00-0679	EA	10' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,966.71	
	33 42 31 00-0680	EA	12' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	7,890.95	
	33 42 31 00-0681	EA	14' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	8,740.68	
	33 42 31 00-0682	EA	16' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	9,561.77	
	33 42 31 00-0683	EA	18' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	10,318.03	
	33 42 31 00-0684	EA	20' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	11,009.45	
33 42 33 Stormwater Curbside Drains and Inlets (33 42)					
	33 42 33 00-0001		Curb Inlet Frames And Covers (33 42 33)		
	33 42 33 00-0002		Cast Iron Curb Inlet Frames And Covers (33 42 33 00-0001)		
	33 42 33 00-0003	EA	20" x 22" Cast Iron Curb Inlet Frame And Cover	572.11	98.79
	33 42 33 00-0004	EA	22" x 24" Cast Iron Curb Inlet Frame And Cover	614.33	114.84
	33 42 33 00-0005	EA	24" x 24" Cast Iron Curb Inlet Frame And Cover	633.63	114.84
	33 42 33 00-0006	EA	27" x 27" Cast Iron Curb Inlet Frame And Cover	694.50	135.10
	33 42 33 00-0007	EA	36" x 24" Cast Iron Curb Inlet Frame And Cover	694.11	144.39
33 42 36 Stormwater Trench Drains (33 42)					
	33 42 36 00-0001		Modular Trench Drains (33 42 36) See CSI section 03 31 13 00-0011 for concrete.		
	33 42 36 00-0002		Modular Trench Drains (33 42 36 00-0001) Note: Excludes grates. See CSI section 33 42 36 00-0118 for grates.		
	33 42 36 00-0003		4" Wide, Modular Trench Drains (33 42 36 00-0002)		
	33 42 36 00-0004		4 Wide, High Density Polyethylene, Shallow Modular Trench Drains (33 42 36 00-0003)		
	33 42 36 00-0005		4 Wide, High Density Polyethylene, Shallow Modular Trench Drains (33 42 36 00-0004)		
	33 42 36 00-0006	LF	4" Wide, High Density Polyethylene, Shallow Modular Trench Drain (Zurn Z844-C)	45.61	13.51
			For Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	29.64	
			For Galvanized Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	59.29	
			For Stainless Steel Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	94.86	
			For Type 304 Stainless Steel Top Veneer Frame, Add	23.72	
			For Aluminum Veneer Bronze Anodized Frame, Add	11.86	
	33 42 36 00-0007		Outlet Adapters For 4 Wide, High Density Polyethylene, Shallow Modular Trench Drains (33 42 36 00-0004)		
	33 42 36 00-0008	EA	Closed End Cap For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain	33.50	
	33 42 36 00-0009	EA	No-Hub End Outlet For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain	41.95	
	33 42 36 00-0010	EA	No-Hub Bottom Outlet For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain	41.95	
	33 42 36 00-0011		6" Wide, Modular Trench Drains (33 42 36 00-0002)		
	33 42 36 00-0012		6" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0011)		
	33 42 36 00-0013		6" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0012)		
	33 42 36 00-0014	LF	6" Wide, High Density Polyethylene, Modular Trench Drain	78.26	13.51
			For Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	29.64	
			For Galvanized Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	59.29	
			For Stainless Steel Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	94.86	
			For Type 304 Stainless Steel Top Veneer Frame, Add	23.72	
			For Aluminum Veneer Bronze Anodized Frame, Add	11.86	
	33 42 36 00-0015		Outlet Adapters For 6" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0012)		
	33 42 36 00-0016	EA	Closed End Cap For 6" Wide, High Density Polyethylene, Modular Trench Drains	38.23	
	33 42 36 00-0017	EA	No-Hub End Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains	46.68	
	33 42 36 00-0018	EA	No-Hub Bottom Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains	46.68	
	33 42 36 00-0019		Other Fittings For 6" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0012)		
	33 42 36 00-0020	EA	Bottom Dome Strainer For 6" Wide, High Density Polyethylene, Modular Trench Drains	61.28	
	33 42 36 00-0021	EA	Joint Connector For 6" Wide, High Density Polyethylene, Modular Trench Drains	61.28	
	33 42 36 00-0022	EA	90 Degree, 45 Degree, Tee Or Side Outlet Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains	279.38	
	33 42 36 00-0023	EA	Cross For 6" Wide, High Density Polyethylene, Modular Trench Drains	516.54	
	33 42 36 00-0024	EA	Cutting Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains	59.29	
	33 42 36 00-0025		6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0011)		



	Utilities	33	
	Stormwater Utilities	33 40	33
	Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0026 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 42 36 00-0025)</small>		
33 42 36 00-0027 LF 6" Wide, Fiber Reinforced Polyester, Modular Trench Drain	106.12	13.51
<i>For Black Acid Resistant Coated Frame, Add</i>	22.53	
<i>For Galvanized Top Frame Assembly, Add</i>	22.53	
<i>For Type 304 Stainless Steel Top Frame Assembly, Add</i>	83.01	
33 42 36 00-0028 Outlet Adapters For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 42 36 00-0025)</small>		
33 42 36 00-0029 EA Closed End Cap For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	40.61	
33 42 36 00-0030 EA No-Hub End Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	49.06	
33 42 36 00-0031 EA No-Hub Bottom Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	49.06	
33 42 36 00-0032 Other Fittings For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 42 36 00-0025)</small>		
33 42 36 00-0033 EA Bottom Dome Strainer For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	61.28	
33 42 36 00-0034 EA Joint Connector For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	61.28	
33 42 36 00-0035 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	279.38	
33 42 36 00-0036 EA Cross For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	516.54	
33 42 36 00-0037 EA Cutting Charge For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	59.29	
33 42 36 00-0038 6" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 42 36 00-0011)</small>		
33 42 36 00-0039 6" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 42 36 00-0038)</small>		
33 42 36 00-0040 LF 6" Wide, Vinylester Fiberglass, Modular Trench Drain	132.21	13.51
<i>For Black Acid Resistant Coated Frame, Add</i>	22.53	
<i>For Galvanized Top Frame Assembly, Add</i>	22.53	
<i>For Type 304 Stainless Steel Top Frame Assembly, Add</i>	83.01	
33 42 36 00-0041 Outlet Adapters For 6" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 42 36 00-0038)</small>		
33 42 36 00-0042 EA Closed End Cap For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	59.58	
33 42 36 00-0043 EA No-Hub End Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	68.03	
33 42 36 00-0044 EA No-Hub Bottom Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	68.03	
33 42 36 00-0045 Other Fittings For 6" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 42 36 00-0038)</small>		
33 42 36 00-0046 EA Bottom Dome Strainer For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	61.28	
33 42 36 00-0047 EA Joint Connector For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	61.28	
33 42 36 00-0048 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	279.38	
33 42 36 00-0049 EA Cross For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	516.54	
33 42 36 00-0050 EA Cutting Charge For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	59.29	
33 42 36 00-0051 6" Wide, Polymer Concrete, Modular Trench Drains <small>(33 42 36 00-0011)</small>		
33 42 36 00-0052 6" Wide, Polymer Concrete, Modular Trench Drains <small>(33 42 36 00-0051)</small>		
33 42 36 00-0053 LF 6" Wide, Polymer Concrete, Modular Trench Drain	271.72	
33 42 36 00-0054 Outlet Adapters For 6" Wide, Polymer Concrete, Modular Trench Drains <small>(33 42 36 00-0051)</small>		
33 42 36 00-0055 EA Closed End Cap For 6" Wide, Polymer Concrete, Modular Trench Drain	109.29	
33 42 36 00-0056 EA No-Hub End Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain	134.42	
33 42 36 00-0057 EA No-Hub Bottom Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain	47.16	
33 42 36 00-0058 12" Wide, Modular Trench Drains <small>(33 42 36 00-0002)</small>		
33 42 36 00-0059 12" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0058)</small>		
33 42 36 00-0060 12" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0059)</small>		
33 42 36 00-0061 LF 12" Wide, High Density Polyethylene, Modular Trench Drain	137.94	18.58
<i>For Acid Resistant Coated Top Frame, Add</i>	30.83	
<i>For Galvanized Welded Frame Assembly, Add</i>	32.31	
<i>For Type 304 Stainless Steel Top Frame, Add</i>	184.98	
33 42 36 00-0062 Outlet Adapters For 12" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0059)</small>		
33 42 36 00-0063 EA End Cap For 12" Wide, High Density Polyethylene, Modular Trench Drains	71.13	
33 42 36 00-0064 EA No-Hub End Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains	82.40	
33 42 36 00-0065 EA No-Hub Bottom Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains	82.40	
33 42 36 00-0066 Other Fittings For 12" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0059)</small>		

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0067 EA Bottom Dome Strainer For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	106.26	
33 42 36 00-0068 EA Joint Connector For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	135.90	
33 42 36 00-0069 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	539.27	
33 42 36 00-0070 EA Cross For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	1,013.59	
33 42 36 00-0071 EA Cutting Charges For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	118.58	
33 42 36 00-0072 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0058)		
33 42 36 00-0073 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0072)		
33 42 36 00-0074 LF 12" Wide, Fiber Reinforced Polyester, Modular Trench Drain.....	167.59	18.58
For Acid Resistant Coated Top Frame, Add	30.83	
For Galvanized Welded Frame Assembly, Add	32.31	
For Type 304 Stainless Steel Top Frame, Add	184.98	
33 42 36 00-0075 Outlet Adapters For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0072)		
33 42 36 00-0076 EA End Cap For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	73.50	
33 42 36 00-0077 EA No-Hub End Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	84.77	
33 42 36 00-0078 EA No-Hub Bottom Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	84.77	
33 42 36 00-0079 Other Fittings For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0072)		
33 42 36 00-0080 EA Bottom Dome Strainer For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	106.26	
33 42 36 00-0081 EA Joint Connector For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	135.90	
33 42 36 00-0082 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	539.27	
33 42 36 00-0083 EA Cross For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	1,013.59	
33 42 36 00-0084 EA Cutting Charges For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	118.58	
33 42 36 00-0085 12" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0058)		
33 42 36 00-0086 12" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0085)		
33 42 36 00-0087 LF 12" Wide, Vinylester Fiberglass, Modular Trench Drain.....	226.88	18.58
For Acid Resistant Coated Top Frame, Add	30.83	
For Galvanized Welded Frame Assembly, Add	32.31	
For Type 304 Stainless Steel Top Frame, Add	184.98	
33 42 36 00-0088 Outlet Adapters For 12" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0085)		
33 42 36 00-0089 EA End Cap For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	162.43	
33 42 36 00-0090 EA No-Hub End Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	173.70	
33 42 36 00-0091 EA No-Hub Bottom Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	173.70	
33 42 36 00-0092 Other Fittings For 12" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0085)		
33 42 36 00-0093 EA Bottom Dome Strainer For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	106.26	
33 42 36 00-0094 EA Joint Connector For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	135.90	
33 42 36 00-0095 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	539.27	
33 42 36 00-0096 EA Cross For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	1,013.59	
33 42 36 00-0097 EA Cutting Charges For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	118.58	
33 42 36 00-0098 12" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0058)		
33 42 36 00-0099 12" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0098)		
33 42 36 00-0100 LF 12" Wide, Polymer Concrete, Modular Trench Drain.....	364.39	
33 42 36 00-0101 Outlet Adapters For 12" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0098)		
33 42 36 00-0102 EA Closed End Cap For 12" Wide, Polymer Concrete, Modular Trench Drain.....	184.25	
33 42 36 00-0103 EA No-Hub End Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain.....	316.13	
33 42 36 00-0104 EA No-Hub Bottom Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain.....	79.92	
33 42 36 00-0105 23" Wide, Modular Trench Drains (33 42 36 00-0002)		
33 42 36 00-0106 23" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0105)		
33 42 36 00-0107 23" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0106)		
33 42 36 00-0108 LF 23" Wide, High Density Polyethylene, Modular Trench Drain.....	191.84	25.34
For Acid Resistant Coated Frame, Add	46.25	
For Galvanized Frame Assembly, Add	46.25	
For Type 304 Stainless Steel Top Frame, Add	284.59	



Utilities	33	CS
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 36 00-0109	Outlet Adapters For 23" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0106)</small>		
33 42 36 00-0110	EA End Cap For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	200.78	
33 42 36 00-0111	EA No-Hub End Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	312.21	
33 42 36 00-0112	EA No-Hub Bottom Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	312.21	

33 42 36 00-0113	Other Fittings For 23" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0106)</small>		
33 42 36 00-0114	EA Bottom Dome Strainer For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	232.85	
33 42 36 00-0115	EA 90 Degree, 45 Degree, Tee Or Side Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	1,054.18	
33 42 36 00-0116	EA Cross For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	2,002.82	
33 42 36 00-0117	EA Cutting Charges For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	237.16	

33 42 36 00-0118	Modular Trench Drain Grates <small>(33 42 36 00-0001)</small>		
33 42 36 00-0119	4" Wide, Modular Trench Drain Grates <small>(33 42 36 00-0118)</small>		
33 42 36 00-0120	LF 4" Wide, Polypropylene, Silver Heel Proof, Modular Trench Drain Grate (Zurn Z884-P4-HPP).....	25.39	2.54
33 42 36 00-0121	LF 4" Wide, Class C Cast Iron, Modular Trench Drain Grate (Zurn Z884-P4-CG).....	26.64	2.54
33 42 36 00-0122	LF 4" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FG).....	21.66	2.54
33 42 36 00-0123	LF 4" Wide, Stainless Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FS).....	55.91	2.54
33 42 36 00-0124	LF 4" Wide, Galvanized Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FG).....	21.66	2.54
33 42 36 00-0125	LF 4" Wide, Stainless Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FS).....	55.91	2.54

33 42 36 00-0126	6" Wide, Modular Trench Drain Grates <small>(33 42 36 00-0118)</small>		
33 42 36 00-0127	LF 6" Wide, Galvanized Ductile Iron Cast Bar, Modular Trench Drain Grate.....	61.14	2.54
33 42 36 00-0128	LF 6" Wide, Ductile Iron Cast Bar, Modular Trench Drain Grate.....	52.19	2.54
33 42 36 00-0129	LF 6" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate.....	54.68	2.54
33 42 36 00-0130	LF 6" Wide, Ductile Iron Slotted, Modular Trench Drain Grate.....	48.09	2.54
33 42 36 00-0131	LF 6" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate.....	51.65	2.54
33 42 36 00-0132	LF 6" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate.....	52.24	2.54
33 42 36 00-0133	LF 6" Wide, Ductile Iron Longitudinal Slotted, Modular Trench Drain Grate.....	52.24	2.54
33 42 36 00-0134	LF 6" Wide, Galvanized Cast Iron Slotted, Modular Trench Drain Grate.....	51.65	2.54
33 42 36 00-0135	LF 6" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate.....	45.72	2.54
33 42 36 00-0136	LF 6" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate.....	45.72	2.54
33 42 36 00-0137	LF 6" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate.....	48.45	2.54
33 42 36 00-0138	LF 6" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate.....	48.45	2.54
33 42 36 00-0139	LF 6" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate.....	62.32	2.54
33 42 36 00-0140	LF 6" Wide, Perforated Stainless Steel, Modular Trench Drain Grate.....	62.32	2.54
33 42 36 00-0141	LF 6" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate.....	112.13	2.54
33 42 36 00-0142	LF 6" Wide, Reinforced Perforated Stainless Steel, Modular Trench Drain Grate.....	112.13	2.54
33 42 36 00-0143	LF 6" Wide, Stainless Steel Bar, Modular Trench Drain Grate.....	307.78	2.54
33 42 36 00-0144	LF 6" Wide, Heel Proof Polyethylene, Modular Trench Drain Grate.....	43.35	2.54
33 42 36 00-0145	LF 6" Wide, Fiberglass, Modular Trench Drain Grate.....	90.78	2.54

33 42 36 00-0146	12" Wide, Modular Trench Drain Grates <small>(33 42 36 00-0118)</small>		
33 42 36 00-0147	LF 12" Wide, Black Acid Resistant Coated Ductile Iron, Modular Trench Drain Grate.....	164.72	2.75
33 42 36 00-0148	LF 12" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate.....	157.61	2.75
33 42 36 00-0149	LF 12" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate.....	137.45	2.75
33 42 36 00-0150	LF 12" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate.....	144.27	2.75
33 42 36 00-0151	LF 12" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate.....	125.00	2.75
33 42 36 00-0152	LF 12" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate.....	242.10	2.75
33 42 36 00-0153	LF 12" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate.....	242.10	2.75
33 42 36 00-0154	LF 12" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate.....	308.20	2.75
33 42 36 00-0155	LF 12" Wide, Perforated Stainless Steel, Modular Trench Drain Grate.....	308.20	2.75
33 42 36 00-0156	LF 12" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate.....	392.69	2.75
33 42 36 00-0157	LF 12" Wide, Reinforced Perforated Stainless Steel Slotted, Modular Trench Drain Grate.....	392.69	2.75
33 42 36 00-0158	LF 12" Wide, Stainless Steel Cast Bar, Modular Trench Drain Grate.....	372.83	2.75
33 42 36 00-0159	LF 12" Wide, Fiberglass, Modular Trench Drain Grate.....	177.47	2.75

33 42 36 00-0160	23" Wide, Modular Trench Drain Grates <small>(33 42 36 00-0118)</small>		
33 42 36 00-0161	LF 23" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate.....	258.82	2.96
33 42 36 00-0162	LF 23" Wide, Ductile Iron Slotted, Modular Trench Drain Grate.....	218.50	2.96
33 42 36 00-0163	LF 23" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate.....	337.08	2.96
33 42 36 00-0164	LF 23" Wide, Heel Proof Longitudinal Ductile Iron, Modular Trench Drain Grate.....	250.52	2.96

33 44 Storm Utility Water Drains (33 40)

33 44 36 Oil and Stormwater Separators (33 44)

33 44 36 00-0001 Oil/Water Separator (33 44 36)

Note: Complete with internal sensors and detectors.

33 Utilities**33 40 Stormwater Utilities****33 44 Storm Utility Water Drains**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 36 00-0002 Coalescing Oil Water Separator <small>(33 44 36 00-0001)</small>		
Note: Underground tank with interior polyurethane coating. Includes manways, coalescer, inlet and outlet spools, pump mount, 2" level sensor pipe and 4" pump out pipe. HighGuard as manufactured by Highland Tank, Stoystown, PA.		
33 44 36 00-0003 Single Wall Steel Coalescing Oil Water Separator <small>(33 44 36 00-0002)</small>		
33 44 36 00-0004 EA 550 Gallon, 55 GPM Single Wall Steel Coalescing Oil Water Separator With Manways	12,468.00	
Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.		
<i>For Interior Polyurethane Coating, Add</i> 711.00		
33 44 36 00-0005 EA 1,000 Gallon, 100 GPM Single Wall Steel Coalescing Oil Water Separator With Manways	14,762.87	
Note: HTC-G 1000. 4' diameter x 14' long tank.		
<i>For Interior Polyurethane Coating, Add</i> 893.70		
33 44 36 00-0006 EA 2,000 Gallon, 200 GPM Single Wall Steel Coalescing Oil Water Separator With Manways	17,233.39	
Note: HTC-G 2000. 5'-4" diameter x 15' long tank.		
<i>For Interior Polyurethane Coating, Add</i> 1,340.10		
33 44 36 00-0007 Double Wall Steel Coalescing Oil Water Separator <small>(33 44 36 00-0002)</small>		
33 44 36 00-0008 EA 550 Gallon, 55 GPM Double Wall Steel Coalescing Oil Water Separator With Manways	18,146.65	
Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.		
<i>For Interior Polyurethane Coating, Add</i> 711.00		
33 44 36 00-0009 EA 1,000 Gallon, 100 GPM Double Wall Steel Coalescing Oil Water Separator With Manways	20,535.81	
Note: HTC-G 1000. 4' diameter x 14' long tank.		
<i>For Interior Polyurethane Coating, Add</i> 893.70		
33 44 36 00-0010 EA 2,000 Gallon, 200 GPM Double Wall Steel Coalescing Oil Water Separator With Manways	24,603.69	
Note: HTC-G 2000. 5'-4" diameter x 15' long tank.		
<i>For Interior Polyurethane Coating, Add</i> 1,340.10		
33 44 36 00-0011 EA 3,000 Gallon, 300 GPM Double Wall Steel Coalescing Oil Water Separator With Manways	28,286.55	
Note: HTC-G 3000. 5'-4" diameter x 21'-4" long tank.		
<i>For Interior Polyurethane Coating, Add</i> 1,550.70		
33 44 36 00-0012 EA 5,000 Gallon, 500 GPM Double Wall Steel Coalescing Oil Water Separator With Manways	36,662.93	
Note: HTC-G 5000. 6' diameter x 28'-8" long tank.		
<i>For Interior Polyurethane Coating, Add</i> 2,057.80		
33 44 36 00-0013 Accessories For Coalescing Oil Water Separators <small>(33 44 36 00-0002)</small>		
33 44 36 00-0014 EA Single Channel Alarm Panel For Coalescing Oil Water Separator	708.65	
Note: HTAP1.		
33 44 36 00-0015 EA Two Channel Alarm Panel For Coalescing Oil Water Separator	957.43	
Note: HTAP2.		
33 44 36 00-0016 EA Float Interface Sensor For Coalescing Oil Water Separator	554.86	
Note: Required for UL 2215 label.		
33 44 36 00-0017 EA 1-1/2" Liquid Only Sensor For Coalescing Oil Water Separator	417.36	
Note: Required for UL 2215 label.		
33 44 36 00-0018 EA Polyvinyl Chloride (PVC) Cap For 2" Sensor For Coalescing Oil Water Separator	159.53	
Note: Required for UL 2215 label.		
33 44 36 00-0019 EA 550, 1,000 Or 2,000 Gallon Tank Concrete Deadmen Set (2 Each) For Coalescing Oil Water Separator	2,329.54	
33 44 36 00-0020 EA 3,000 Gallon Tank Concrete Deadmen Set (4 Each) For Coalescing Oil Water Separator	4,659.07	
33 44 36 00-0021 EA 5,000 Gallon Tank Concrete Deadmen Set (6 Each) For Coalescing Oil Water Separator	6,988.67	
33 44 36 00-0022 EA 550 Or 1,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	447.94	
33 44 36 00-0023 EA 2,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	521.28	
33 44 36 00-0024 EA 3,000 Gallon Tank Polyester Hold Down Straps (4 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	1,042.56	
33 44 36 00-0025 EA 5,000 Gallon Tank Polyester Hold Down Straps (6 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	2,251.37	
33 44 36 00-0026 EA 30" Diameter Grade Level Manway For Coalescing Oil Water Separator	619.82	
Note: Required when installed in paved areas.		
33 44 36 00-0027 EA 36" Diameter Grade Level Manway For Coalescing Oil Water Separator	800.14	
Note: Required when installed in paved areas.		
33 44 36 00-0028 EA 48" Diameter Grade Level Manway For Coalescing Oil Water Separator	1,095.05	
Note: Required when installed in paved areas.		
33 44 36 00-0029 EA 54" x 54" Grade Level Manway For Coalescing Oil Water Separator	1,952.17	
Note: Required when installed in paved areas.		
33 44 36 00-0030 EA 66" x 54" Grade Level Manway For Coalescing Oil Water Separator	2,495.31	
Note: Required when installed in paved areas.		
33 44 36 00-0031 EA 66" x 66" Grade Level Manway For Coalescing Oil Water Separator	3,118.67	
Note: Required when installed in paved areas.		
33 44 36 00-0032 EA 78" x 66" Grade Level Manway For Coalescing Oil Water Separator	3,918.50	
Note: Required when installed in paved areas.		
33 44 36 00-0033 EA 550 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	764.30	
33 44 36 00-0034 EA 1,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	931.60	
33 44 36 00-0035 EA 2,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	1,463.29	
33 44 36 00-0036 EA 550 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	728.78	
33 44 36 00-0037 EA 1,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	884.62	
33 44 36 00-0038 EA 2,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,049.63	
33 44 36 00-0039 EA 18" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	61.88	
33 44 36 00-0040 EA 24" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	69.90	
33 44 36 00-0041 Oil Skimmers <small>(33 44 36)</small>		



	Utilities	33
	Stormwater Utilities	33 40
	Storm Utility Water Drains	33 44

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 44 36 00-0042			Oil Skimmers, 12" And 24" Models <small>(33 44 36 00-0041)</small>		
33 44 36 00-0043	EA		Oil Skimmers, TENV, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase.....	4,904.78	527.83
33 44 36 00-0044	EA		Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase.....	5,140.58	527.83
33 44 36 00-0045	EA		Oil Skimmers, TENV, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase.....	4,926.62	527.83
33 44 36 00-0046	EA		Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase.....	5,229.00	527.83
33 44 36 00-0047	EA		Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase.....	5,174.42	527.83
33 44 36 00-0048	EA		Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase.....	5,374.19	527.83
33 44 36 00-0049	EA		Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase.....	5,225.72	527.83
33 44 36 00-0050	EA		Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase.....	5,527.02	527.83
33 44 36 00-0051	EA		Oil Skimmers, TENV, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase.....	5,510.15	703.92
33 44 36 00-0052	EA		Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase.....	5,762.32	703.92
33 44 36 00-0053	EA		Oil Skimmers, TENV, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase.....	5,576.74	703.92
33 44 36 00-0054	EA		Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase.....	5,939.17	703.92
33 44 36 00-0055	EA		Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase.....	6,147.67	703.92
33 44 36 00-0056	EA		Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase.....	6,399.84	703.92
33 44 36 00-0057	EA		Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase.....	6,201.16	703.92
33 44 36 00-0058	EA		Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase.....	6,564.68	703.92

33 44 36 00-0059			Oil Skimmers, Add-Ons <small>(33 44 36 00-0041)</small>		
33 44 36 00-0060	LF		Add For Belt Projection, 12" Width.....	16.37	
33 44 36 00-0061	LF		Add For Belt Projection, 24" Width.....	30.57	
33 44 36 00-0062	LF		Add For Spacer Stands, 12" Models.....	249.52	
33 44 36 00-0063	LF		Add For Spacer Stands, 24" Models.....	297.55	

33 46 Stormwater Management (33 40)

33 46 23 Modular Buried Stormwater Storage Units (33 46)

33 46 23 00-0001			Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™) <small>(33 46 23)</small>		
<p>Note: Includes chambers and end caps delivery to site. Excludes excavation and earthwork, foundation stone, embedment and perimeter stone, geotextile fabrics and cutting holes in chambers. See CSI section 31 05 16 00-0000 for aggregate (foundation, embedment and perimeter stone), 31 23 16 36-0000 for excavation and earth backfill, 31 32 19 16-0000 for woven and non-woven geotextile fabric.</p>					

33 46 23 00-0002			85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740) <small>(33 46 23 00-0001)</small>		
33 46 23 00-0003	EA		Up To 10, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740).....	351.99	
33 46 23 00-0004	EA		>10 To 20, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740).....	322.53	
33 46 23 00-0005	EA		>20 To 30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740).....	302.18	
33 46 23 00-0006	EA		>30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740).....	282.42	
33 46 23 00-0007	EA		Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740).....	162.18	
33 46 23 00-0008	EA		>10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740).....	142.21	
33 46 23 00-0009	EA		>20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740).....	130.87	
33 46 23 00-0010	EA		>30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740).....	119.68	

33 46 23 00-0011			85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310) <small>(33 46 23 00-0001)</small>		
33 46 23 00-0012	EA		Up To 10, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310).....	207.32	
33 46 23 00-0013	EA		>10 To 20, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310).....	188.51	
33 46 23 00-0014	EA		>20 To 30, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310).....	175.90	
33 46 23 00-0015	EA		>30, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310).....	164.45	
33 46 23 00-0016	EA		Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310).....	128.10	
33 46 23 00-0017	EA		>10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310).....	113.25	
33 46 23 00-0018	EA		>20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310).....	104.39	
33 46 23 00-0019	EA		>30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310).....	96.51	

33 46 23 00-0020			90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500) <small>(33 46 23 00-0001)</small>		
33 46 23 00-0021	EA		Up To 10, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500).....	583.82	
33 46 23 00-0022	EA		>10 To 20, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500).....	541.30	
33 46 23 00-0023	EA		>20 To 30, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500).....	508.42	
33 46 23 00-0024	EA		>30, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500).....	478.76	

33 Utilities**33 40 Stormwater Utilities****33 46 Stormwater Management**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 46 23 00-0025 EA Up To 10, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500).....	496.50	
33 46 23 00-0026 EA >10 To 20, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500).....	458.34	
33 46 23 00-0027 EA >20 To 30, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500).....	429.60	
33 46 23 00-0028 EA >30, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500).....	403.89	
33 46 23 00-0029 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780) (33 46 23 00-0001)		
33 46 23 00-0030 EA Up To 10, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780).....	364.51	
33 46 23 00-0031 EA >10 To 20, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780).....	334.44	
33 46 23 00-0032 EA >20 To 30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780).....	313.48	
33 46 23 00-0033 EA >30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780).....	293.15	
33 46 23 00-0034 EA Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780).....	162.18	
33 46 23 00-0035 EA >10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780).....	139.84	
33 46 23 00-0036 EA >20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780).....	130.87	
33 46 23 00-0037 EA >30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780).....	119.68	
33 46 23 00-0038 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500) (33 46 23 00-0001)		
33 46 23 00-0039 EA Up To 10, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500).....	609.01	
33 46 23 00-0040 EA >10 To 20, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500).....	563.78	
33 46 23 00-0041 EA >20 To 30, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500).....	528.18	
33 46 23 00-0042 EA >30, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500).....	497.95	
33 46 23 00-0043 EA Up To 10, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500).....	750.39	
33 46 23 00-0044 EA >10 To 20, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500).....	698.08	
33 46 23 00-0045 EA >20 To 30, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500).....	655.77	
33 46 23 00-0046 EA >30, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500).....	619.17	
33 46 23 00-0047 Cut Opening In Polypropylene Corrugated Wall Stormwater Collection Chambers (33 46 23 00-0001)		
33 46 23 00-0048 EA Cut Up To 6" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap.....	44.81	
33 46 23 00-0049 EA Cut >6" To 12" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap.....	57.61	
33 46 23 00-0050 EA Cut >12" To 24" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap.....	74.41	
33 46 23 00-0051 EA Cut >24" To 36" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap.....	94.06	
33 46 23 00-0052 EA 12" x 6" Inspection Port Kit.....	416.26	
Note: (2712AG6IPKIT)		
33 46 53 Stormwater Leaching Pits (33 46)		
33 46 53 00-0001 Drainage Wells (33 46 53)		
Note: Includes augering hole.		
33 46 53 00-0002 LF 12" Diameter Drainage Well With Corrugated Metal Liner.....	23.79	
33 46 53 00-0003 LF 18" Diameter Drainage Well With Corrugated Metal Liner.....	28.91	
33 46 53 00-0004 LF 24" Diameter Drainage Well With Corrugated Metal Liner.....	38.42	
33 50 Hydrocarbon Utilities (33)		
33 52 Hydrocarbon Transmission and Distribution (33 50)		
33 52 16 Gas Hydrocarbon Piping (33 52)		
33 52 16 13 Steel Natural Gas Piping (33 52 16)		
Note: See CSI section 23 05 23 00-0000 for gas valves.		
33 52 16 13-0001 Gas Distribution Lines (33 52 16 13)		
Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.		
33 52 16 13-0002 Steel, Schedule 40, Plain End, Coal Tar Enamel And Wrapped (33 52 16 13-0001)		
33 52 16 13-0003 LF 1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	12.79	2.32
33 52 16 13-0004 LF 3/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	14.61	2.56
33 52 16 13-0005 LF 1" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	16.42	2.63



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 13-0006 LF 1-1/4" (3.2 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	16.84	2.69
33 52 16 13-0007 LF 1-1/2" (3.6 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	17.41	2.73
33 52 16 13-0008 LF 2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	18.48	2.92
33 52 16 13-0009 LF 2-1/2" (6.0 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	24.87	3.38
33 52 16 13-0010 LF 3" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	31.05	4.27
33 52 16 13-0011 LF 4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	41.25	5.15
33 52 16 13-0012 LF 5" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	54.73	5.96
33 52 16 13-0013 LF 6" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	68.61	7.29
33 52 16 13-0014 LF 8" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	98.62	9.37
33 52 16 13-0015 Gas Line Taps <small>(33 52 16 13-0001)</small>		
Note: Includes material to tap into main and gas valve.		
33 52 16 13-0016 Polyethylene, 60 PSI <small>(33 52 16 13-0015)</small>		
33 52 16 13-0017 EA 2" Polyethylene Hot Tap, With Valve	1,399.17	
33 52 16 13-0018 EA 2-1/2" Polyethylene Hot Tap, With Valve	1,185.84	
33 52 16 13-0019 EA 3" Polyethylene Hot Tap, With Valve	1,259.44	
33 52 16 13-0020 EA 4" Polyethylene Hot Tap, With Valve	2,469.20	
33 52 16 13-0021 EA 6" Polyethylene Hot Tap, With Valve	3,795.46	
33 52 16 13-0022 Steel, Schedule 40 <small>(33 52 16 13-0015)</small>		
Note: For punch steel service tee.		
33 52 16 13-0023 EA 1/2" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,717.53	
33 52 16 13-0024 EA 3/4" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,746.57	
33 52 16 13-0025 EA 3/4" Iron Pipe Size Weld Base, 3/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,789.36	
33 52 16 13-0026 EA 3/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,830.54	
33 52 16 13-0027 EA 1" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,859.47	
33 52 16 13-0028 EA 1-1/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	2,020.68	
33 52 16 13-0029 EA 1-1/4" Iron Pipe Size Weld Base, 1-1/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	2,074.40	
33 52 16 13-0030 Protective Pipe And Fitting Wrap <small>(33 52 16 13-0001)</small>		
Note: Includes cleaning and priming pipe.		
33 52 16 13-0031 Corrosion Protection Pipe Wrap For Pipe <small>(33 52 16 13-0030)</small>		
Note: Field applied.		
33 52 16 13-0032 LF 1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	3.47	
33 52 16 13-0033 LF 3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	3.62	
33 52 16 13-0034 LF 1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	3.80	
33 52 16 13-0035 LF 1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.29	
33 52 16 13-0036 LF 1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.56	
33 52 16 13-0037 LF 2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	5.27	
33 52 16 13-0038 LF 2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	6.51	
33 52 16 13-0039 LF 3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	8.19	
33 52 16 13-0040 LF 4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	10.43	
33 52 16 13-0041 LF 6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	14.01	
33 52 16 13-0042 Corrosion Resistance Wrap And Coat - Fittings <small>(33 52 16 13-0030)</small>		
Note: Field applied.		
33 52 16 13-0043 EA 1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	16.84	
33 52 16 13-0044 EA 3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	16.84	
33 52 16 13-0045 EA 1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	20.66	
33 52 16 13-0046 EA 1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	23.55	
33 52 16 13-0047 EA 1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	23.55	
33 52 16 13-0048 EA 2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	27.88	
33 52 16 13-0049 EA 2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	37.09	
33 52 16 13-0050 EA 3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	52.66	
33 52 16 13-0051 EA 4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	53.53	
33 52 16 13-0052 EA 6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	61.92	
33 52 16 13-0053 Service Fittings <small>(33 52 16 13-0001)</small>		
33 52 16 13-0054 Brass Fittings <small>(33 52 16 13-0053)</small>		
33 52 16 13-0055 EA 1/2" X 2" Long Nipples, Threaded Both Ends, Brass	29.55	
33 52 16 13-0056 EA 3/4" X 2" Long Nipples, Threaded Both Ends, Brass	34.28	
33 52 16 13-0057 EA 1" X 2" Long Nipples, Threaded Both Ends, Brass	43.39	
33 52 16 13-0058 EA 1-1/4" X 2" Long Nipples, Threaded Both Ends, Brass	53.70	
33 52 16 13-0059 EA 1-1/2" X 2" Long Nipples, Threaded Both Ends, Brass	60.20	
33 52 16 13-0060 EA 2" X 2" Long Nipples, Threaded Both Ends, Brass	78.05	
33 52 16 13-0061 EA 1/2" 90 Degree Elbow, Brass.....	25.56	
33 52 16 13-0062 EA 3/4" 90 Degree Elbow, Brass.....	29.31	
33 52 16 13-0063 EA 1" 90 Degree Elbow, Brass.....	37.84	

33 Utilities**33 50 Hydrocarbon Utilities****33 52 Hydrocarbon Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 13-0064	EA		1-1/4" 90 Degree Elbow, Brass.....	48.62	
33 52 16 13-0065	EA		1-1/2" 90 Degree Elbow, Brass.....	55.46	
33 52 16 13-0066	EA		2" 90 Degree Elbow, Brass.....	73.60	
33 52 16 13-0067	EA		1/2" Diameter Chrome Plated Nipple.....	20.85	
33 52 16 13-0068	EA		3/4" Diameter Chrome Plated Nipple.....	26.77	
33 52 16 13-0069	EA		1" Diameter Chrome Plated Nipple.....	34.86	
33 52 16 13-0070	EA		1-1/4" Diameter Chrome Plated Nipple.....	49.50	
33 52 16 13-0071	EA		1-1/2" Diameter Chrome Plated Nipple.....	59.76	
33 52 16 13-0072	EA		2" Diameter Chrome Plated Nipple.....	79.90	
33 52 16 13-0073			Anodless Gas Riser <small>(33 52 16 13-0053)</small>		
33 52 16 13-0074	EA		3/4" Anodless Gas Riser.....	69.14	
33 52 16 13-0075	EA		1" Anodless Gas Riser.....	84.90	
33 52 16 13-0076	EA		1-1/4" Anodless Gas Riser.....	98.29	
33 52 16 13-0077	EA		1-1/2" Anodless Gas Riser.....	120.33	
33 52 16 13-0078	EA		2" Anodless Gas Riser.....	136.89	
33 52 16 13-0079			Brass Service Adapter <small>(33 52 16 13-0053)</small>		
33 52 16 13-0080	EA		1/2" Brass Service Adapter.....	57.10	
33 52 16 13-0081	EA		3/4" Brass Service Adapter.....	62.83	
33 52 16 13-0082	EA		1" Brass Service Adapter.....	75.38	
33 52 16 13-0083	EA		1-1/4" Brass Service Adapter.....	91.44	
33 52 16 13-0084	EA		1-1/2" Brass Service Adapter.....	109.77	
33 52 16 13-0085	EA		2" Brass Service Adapter.....	131.95	
33 52 16 13-0086	EA		2-1/2" Brass Service Adapter.....	224.54	
33 52 16 13-0087	EA		3" Brass Service Adapter.....	274.28	
33 52 16 13-0088	EA		4" Brass Service Adapter.....	395.09	
33 52 16 23			Medium Density Polyethylene Piping for Natural Gas <small>(33 52 16)</small>		
33 52 16 23-0001			Medium Density Polyethylene (MDPE) Gas Distribution Piping <small>(33 52 16 23)</small>		
			Note: 60 PSI, PE2406/PE2708. Includes couplings, #12 tracer wire, helically wrapped around piping.		
33 52 16 23-0002	LF		1/2" DR 9 (200 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	3.15	1.46
			For Colors, Add	0.03	
33 52 16 23-0003	LF		3/4" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	3.49	1.56
			For DR 13.5 (128 PSI), Deduct	-0.07	
			For Colors, Add	0.04	
33 52 16 23-0004	LF		1" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	3.83	1.66
			For DR 13.5 (128 PSI), Deduct	-0.08	
			For Colors, Add	0.05	
33 52 16 23-0005	LF		1-1/4" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	4.17	1.77
			For DR 13.5 (128 PSI), Deduct	-0.10	
			For Colors, Add	0.06	
33 52 16 23-0006	LF		1-1/2" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	4.72	2.13
			For DR 13.5 (128 PSI), Deduct	-0.14	
			For Colors, Add	0.09	
33 52 16 23-0007	LF		2" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	5.29	2.32
			For DR 13.5 (128 PSI), Deduct	-0.18	
			For DR 15.5 (110 PSI), Deduct	-0.34	
			For Colors, Add	0.12	
33 52 16 23-0008	LF		2-1/2" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	6.48	2.71
			For DR 13.5 (128 PSI), Deduct	-0.31	
			For DR 15.5 (110 PSI), Deduct	-0.57	
			For Colors, Add	0.20	
33 52 16 23-0009	LF		3" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	7.81	3.22
			For DR 13.5 (128 PSI), Deduct	-0.42	
			For DR 15.5 (110 PSI), Deduct	-0.77	
			For Colors, Add	0.27	
33 52 16 23-0010	LF		4" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	12.24	3.63
			For DR 13.5 (128 PSI), Deduct	-0.78	
			For DR 15.5 (110 PSI), Deduct	-1.43	
			For Colors, Add	0.50	
33 52 16 23-0011	LF		5" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	20.87	3.63
			For DR 13.5 (128 PSI), Deduct	-1.08	
			For DR 15.5 (110 PSI), Deduct	-1.98	
			For Colors, Add	0.69	
33 52 16 23-0012	LF		6" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	18.36	3.63
			For DR 13.5 (128 PSI), Deduct	-1.38	
			For DR 15.5 (110 PSI), Deduct	-2.53	
			For Colors, Add	0.89	
33 52 16 23-0013	LF		8" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	26.64	4.53
			For DR 13.5 (128 PSI), Deduct	-2.29	
			For DR 15.5 (110 PSI), Deduct	-4.22	
			For Colors, Add	1.48	

33 53 Hydrocarbon Utility Pressure Regulation (33 50)**33 53 16 Gas Hydrocarbon Pressure Regulation** (33 53)**33 53 16 00-0001 Gas Pressure Regulators With Screwed And Flanged Ends** (33 53 16)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 53 16 00-0002 EA 3/4" Gas Pressure Regulator, Screwed End.....	159.50	15.29
33 53 16 00-0003 EA 1" Gas Pressure Regulator, Screwed End.....	162.97	15.29
33 53 16 00-0004 EA 1-1/4" Gas Pressure Regulator, Screwed End.....	171.30	18.15
33 53 16 00-0005 EA 1-1/2" Gas Pressure Regulator, Screwed End.....	540.71	21.02
33 53 16 00-0006 EA 2" Gas Pressure Regulator, Screwed End.....	584.55	32.54
33 53 16 00-0007 EA 3" Gas Pressure Regulator, Screwed End.....	1,626.23	73.01
33 53 16 00-0008 EA 4" Gas Pressure Regulator, Screwed End.....	2,254.00	96.75

33 56 Hydrocarbon Storage (33 50)

33 56 13 Aboveground Hydrocarbon Storage Tanks (33 56)

See CSI section 23 13 23 00-0000 for aboveground storage tanks.

33 56 33 Underground Hydrocarbon Storage (33 56)

See CSI section 23 13 13 00-0000 for underground storage tanks.

33 59 Hydrocarbon Utility Metering (33 50)

33 59 11 Diaphragm/Bellows Hydrocarbons Meters (33 59)

33 59 11 00-0001 Diaphragm Meters (33 59 11)

Note: With standard direct-digital reading maximum working pressures 5 lbs to 100 lbs, threaded connections. Excludes pressure and temperature compensation.

33 59 11 00-0002 EA 250 CF/Hour Gas Diaphragm Meter At 5 LB, Direct Digital, Threaded.....	411.45	59.81
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0003 EA 425 CF/Hour Gas Diaphragm Meter At 10 LB, Direct Digital, Threaded.....	786.49	91.47
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0004 EA 425 CF/Hour Gas Diaphragm Meter At 25 LB, Direct Digital, Threaded.....	910.58	91.47
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0005 EA 800 CF/Hour Gas Diaphragm Meter At 20 LB, Direct Digital, Threaded.....	1,910.82	114.34
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0006 EA 1,000 CF/Hour Gas Diaphragm Meter At 25 LB, Direct Digital, Threaded.....	2,172.84	140.73
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0007 EA 800 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	2,797.50	114.34
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0008 EA 1,000 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	3,127.00	140.73
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0009 EA 1,400 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	4,097.62	149.53
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0010 EA 2,300 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	5,770.65	175.91
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0011 EA 5,000 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	8,835.32	290.26
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	

33 59 16 Hydrocarbons Turbine Meters (33 59)

33 59 16 00-0001 Gas Turbine Meters With Direct-Digital Reading (33 59 16)

Note: Maximum working pressure 175 PSI, flanged end connections.

33 59 16 00-0002 EA 4", 18,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	7,080.66	284.42
33 59 16 00-0003 EA 6", 30,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	7,438.92	330.30
33 59 16 00-0004 EA 8", 60,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	11,509.93	381.66
33 59 16 00-0005 EA 10", 90,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	22,300.86	464.63
33 59 16 00-0006 EA 12", 150,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	37,101.73	580.78

33 60 Hydronic And Steam Energy Utilities (33)

33 61 Hydronic Energy Distribution (33 60)

33 61 13 Buried Hydronic Energy Distribution (33 61)

33 61 13 00-0001 Glass Lined Steel Piping (33 61 13)

33 61 13 00-0002 Glass Lined Steel Pipe (33 61 13 00-0001)

Note: 150 PSIG

33 61 13 00-0003 EA 4" X 1' Glass Lined Steel Pipe.....	877.59
33 61 13 00-0004 EA 4" X 2' Glass Lined Steel Pipe.....	968.46
33 61 13 00-0005 EA 4" X 3' Glass Lined Steel Pipe.....	968.46
33 61 13 00-0006 EA 4" X 4' Glass Lined Steel Pipe.....	1,150.20
33 61 13 00-0007 EA 4" X 5' Glass Lined Steel Pipe.....	1,632.94
33 61 13 00-0008 EA 4" X 10' Glass Lined Steel Pipe.....	1,890.40
33 61 13 00-0009 EA 6" X 1' Glass Lined Steel Pipe.....	735.61
33 61 13 00-0010 EA 6" X 2' Glass Lined Steel Pipe.....	1,587.50

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0011	EA	6" X 3' Glass Lined Steel Pipe	1,587.50	
33 61	13 00-0012	EA	6" X 4' Glass Lined Steel Pipe	1,797.64	
33 61	13 00-0013	EA	6" X 5' Glass Lined Steel Pipe	2,897.53	
33 61	13 00-0014	EA	6" X 10' Glass Lined Steel Pipe	3,353.61	
33 61	13 00-0015	EA	8" X 1' Glass Lined Steel Pipe	1,810.82	
33 61	13 00-0016	EA	8" X 2' Glass Lined Steel Pipe	2,179.97	
33 61	13 00-0017	EA	8" X 3' Glass Lined Steel Pipe	2,179.97	
33 61	13 00-0018	EA	8" X 4' Glass Lined Steel Pipe	2,506.49	
33 61	13 00-0019	EA	8" X 5' Glass Lined Steel Pipe	3,393.37	
33 61	13 00-0020	EA	8" X 10' Glass Lined Steel Pipe	3,856.19	
33 61	13 00-0021	EA	12" X 1' Glass Lined Steel Pipe	4,906.95	
33 61	13 00-0022	EA	12" X 2' Glass Lined Steel Pipe	4,906.95	
33 61	13 00-0023	EA	12" X 3' Glass Lined Steel Pipe	5,084.90	
33 61	13 00-0024	EA	12" X 4' Glass Lined Steel Pipe	5,422.74	
33 61	13 00-0025	EA	12" X 5' Glass Lined Steel Pipe	6,084.29	
33 61	13 00-0026	EA	12" X 10' Glass Lined Steel Pipe	7,514.45	
33 61	13 00-0027	EA	16" X 10' Glass Lined Steel Pipe	10,235.72	
33 61	13 00-0028		90 Degree Elbow, Glass Lined Steel Fittings <small>(33 61 13 00-0001)</small>		
			Note: 150 PSIG		
33 61	13 00-0029	EA	4" 90 Degree Elbow, Glass Lined Steel Fittings.....	1,124.05	
33 61	13 00-0030	EA	6" 90 Degree Elbow, Glass Lined Steel Fittings.....	1,821.09	
33 61	13 00-0031	EA	8" 90 Degree Elbow, Glass Lined Steel Fittings.....	3,294.04	
33 61	13 00-0032	EA	10" 90 Degree Elbow, Glass Lined Steel Fittings.....	5,782.05	
33 61	13 00-0033	EA	12" 90 Degree Elbow, Glass Lined Steel Fittings.....	8,603.32	
33 61	13 00-0034	EA	14" 90 Degree Elbow, Glass Lined Steel Fittings.....	10,088.05	
33 61	13 00-0035	EA	16" 90 Degree Elbow, Glass Lined Steel Fittings.....	11,572.48	
33 61	13 00-0036		45 Degree Elbow, Glass Lined Steel Fittings <small>(33 61 13 00-0001)</small>		
			Note: 150 PSIG		
33 61	13 00-0037	EA	4" 45 Degree Elbow, Glass Lined Steel Fittings.....	1,103.22	
33 61	13 00-0038	EA	6" 45 Degree Elbow, Glass Lined Steel Fittings.....	1,821.09	
33 61	13 00-0039	EA	8" 45 Degree Elbow, Glass Lined Steel Fittings.....	3,437.92	
33 61	13 00-0040	EA	10" 45 Degree Elbow, Glass Lined Steel Fittings.....	9,484.96	
33 61	13 00-0041	EA	12" 45 Degree Elbow, Glass Lined Steel Fittings.....	8,603.32	
33 61	13 00-0042	EA	14" 45 Degree Elbow, Glass Lined Steel Fittings.....	10,088.05	
33 61	13 00-0043	EA	16" 45 Degree Elbow, Glass Lined Steel Fittings.....	11,572.48	
33 61	13 00-0044		Tee, Glass Lined Steel Fittings <small>(33 61 13 00-0001)</small>		
			Note: 150 PSIG		
33 61	13 00-0045	EA	4" Tee, Glass Lined Steel Fittings.....	1,749.78	
33 61	13 00-0046	EA	6" Tee, Glass Lined Steel Fittings.....	2,966.51	
33 61	13 00-0047	EA	8" Tee, Glass Lined Steel Fittings.....	4,348.02	
33 61	13 00-0048	EA	10" Tee, Glass Lined Steel Fittings.....	7,444.58	
33 61	13 00-0049	EA	12" Tee, Glass Lined Steel Fittings.....	10,568.25	
33 61	13 00-0050	EA	14" Tee, Glass Lined Steel Fittings.....	12,452.94	
33 61	13 00-0051	EA	16" Tee, Glass Lined Steel Fittings.....	14,294.65	
33 61	13 00-0052		Preinsulated Pipe <small>(33 61 13)</small>		
			Note: Includes coupling per full length of pipe. Excludes excavation and backfill. See CSI section 23 01 20 91-0025 for purging of existing system, 31 23 16 00-0000 for excavation, 31 23 16 33-0001 for excavation, 31 23 16 36-0016 for backfill.		
33 61	13 00-0053		Preinsulated Schedule 40 Black Steel Pipe <small>(33 61 13 00-0052)</small>		
			Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.		
33 61	13 00-0054		Standard Black Steel Carrier Pipe <small>(33 61 13 00-0053)</small>		
			Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0055	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	47.94	
			For High Density Polyethylene (HDPE) Jacket, Add	0.55	
			For Schedule 80 Pipe, Add	5.51	
33 61	13 00-0056	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	52.31	
			For High Density Polyethylene (HDPE) Jacket, Add	0.61	
			For Schedule 80 Pipe, Add	6.06	
33 61	13 00-0057	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	57.51	
			For High Density Polyethylene (HDPE) Jacket, Add	0.68	
			For Schedule 80 Pipe, Add	6.83	
33 61	13 00-0058	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	61.31	
			For High Density Polyethylene (HDPE) Jacket, Add	0.73	
			For Schedule 80 Pipe, Add	7.33	
33 61	13 00-0059	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	64.49	
			For High Density Polyethylene (HDPE) Jacket, Add	0.77	
			For Schedule 80 Pipe, Add	7.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0060 LF 2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	74.02	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.83	
<i>For Schedule 80 Pipe, Add</i>	8.33	
33 61 13 00-0061 LF 3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	84.49	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.90	
<i>For Schedule 80 Pipe, Add</i>	8.99	
33 61 13 00-0062 LF 4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	106.94	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.13	
<i>For Schedule 80 Pipe, Add</i>	11.32	
33 61 13 00-0063 LF 5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	134.07	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.45	
<i>For Schedule 80 Pipe, Add</i>	14.49	
33 61 13 00-0064 LF 6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	156.31	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.68	
<i>For Schedule 80 Pipe, Add</i>	16.82	
33 61 13 00-0065 LF 8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	209.65	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.45	
<i>For Schedule 80 Pipe, Add</i>	24.48	
33 61 13 00-0066 LF 10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	265.37	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.23	
<i>For Schedule 80 Pipe, Add</i>	32.30	
33 61 13 00-0067 LF 12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	329.29	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.03	
<i>For Schedule 80 Pipe, Add</i>	40.30	
33 61 13 00-0068 Standard Black Steel Carrier Pipe <small>(33 61 13 00-0053)</small>		
<i>Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.</i>		
33 61 13 00-0069 LF 3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	50.69	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.61	
<i>For Schedule 80 Pipe, Add</i>	6.06	
33 61 13 00-0070 LF 1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	55.34	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.67	
<i>For Schedule 80 Pipe, Add</i>	6.67	
33 61 13 00-0071 LF 1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	60.92	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.75	
<i>For Schedule 80 Pipe, Add</i>	7.51	
33 61 13 00-0072 LF 1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	64.98	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.81	
<i>For Schedule 80 Pipe, Add</i>	8.06	
33 61 13 00-0073 LF 2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	68.32	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.84	
<i>For Schedule 80 Pipe, Add</i>	8.43	
33 61 13 00-0074 LF 2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	78.18	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.92	
<i>For Schedule 80 Pipe, Add</i>	9.16	
33 61 13 00-0075 LF 3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	88.98	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.99	
<i>For Schedule 80 Pipe, Add</i>	9.89	
33 61 13 00-0076 LF 4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	112.61	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.25	
<i>For Schedule 80 Pipe, Add</i>	12.46	
33 61 13 00-0077 LF 5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	141.32	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.59	
<i>For Schedule 80 Pipe, Add</i>	15.94	
33 61 13 00-0078 LF 6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	164.72	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.85	
<i>For Schedule 80 Pipe, Add</i>	18.50	
33 61 13 00-0079 LF 8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	221.88	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.69	
<i>For Schedule 80 Pipe, Add</i>	26.92	
33 61 13 00-0080 LF 10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	281.52	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.55	
<i>For Schedule 80 Pipe, Add</i>	35.53	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0081	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	349.44	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.43	
		<i>For Schedule 80 Pipe, Add</i>	44.33	
33 61 13 00-0082		Standard Black Steel Carrier Pipe <small>(33 61 13 00-0053)</small>		
		Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0083	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	52.07	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.63	
		<i>For Schedule 80 Pipe, Add</i>	6.34	
33 61 13 00-0084	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	56.85	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.70	
		<i>For Schedule 80 Pipe, Add</i>	6.97	
33 61 13 00-0085	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	62.63	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.79	
		<i>For Schedule 80 Pipe, Add</i>	7.85	
33 61 13 00-0086	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	66.81	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.84	
		<i>For Schedule 80 Pipe, Add</i>	8.43	
33 61 13 00-0087	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	70.23	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.88	
		<i>For Schedule 80 Pipe, Add</i>	8.81	
33 61 13 00-0088	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	80.26	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.96	
		<i>For Schedule 80 Pipe, Add</i>	9.57	
33 61 13 00-0089	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	91.23	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.03	
		<i>For Schedule 80 Pipe, Add</i>	10.34	
33 61 13 00-0090	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	115.44	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.30	
		<i>For Schedule 80 Pipe, Add</i>	13.02	
33 61 13 00-0091	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	144.94	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.67	
		<i>For Schedule 80 Pipe, Add</i>	16.66	
33 61 13 00-0092	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	168.92	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.93	
		<i>For Schedule 80 Pipe, Add</i>	19.34	
33 61 13 00-0093	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	228.00	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.81	
		<i>For Schedule 80 Pipe, Add</i>	28.15	
33 61 13 00-0094	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	289.59	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.71	
		<i>For Schedule 80 Pipe, Add</i>	37.15	
33 61 13 00-0095	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	359.51	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.63	
		<i>For Schedule 80 Pipe, Add</i>	46.34	
33 61 13 00-0096		Standard Black Steel Carrier Pipe <small>(33 61 13 00-0053)</small>		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0097	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	54.14	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.68	
		<i>For Schedule 80 Pipe, Add</i>	6.75	
33 61 13 00-0098	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	59.12	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.74	
		<i>For Schedule 80 Pipe, Add</i>	7.42	
33 61 13 00-0099	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	65.19	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.84	
		<i>For Schedule 80 Pipe, Add</i>	8.36	
33 61 13 00-0100	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	69.55	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.90	
		<i>For Schedule 80 Pipe, Add</i>	8.97	
33 61 13 00-0101	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	73.10	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.94	
		<i>For Schedule 80 Pipe, Add</i>	9.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0102 LF 2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	83.38 1.02 10.20	
33 61 13 00-0103 LF 3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	94.60 1.10 11.01	
33 61 13 00-0104 LF 4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	119.68 1.39 13.87	
33 61 13 00-0105 LF 5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	150.37 1.77 17.75	
33 61 13 00-0106 LF 6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	175.23 2.06 20.60	
33 61 13 00-0107 LF 8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	237.18 3.00 29.98	
33 61 13 00-0108 LF 10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	301.71 3.96 39.57	
33 61 13 00-0109 LF 12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	374.62 4.94 49.36	
33 61 13 00-0110 Preinsulated Black Steel Fittings (33 61 13 00-0052) Note: No excavation or backfill.		
33 61 13 00-0111 Elbows (33 61 13 00-0110)		
33 61 13 00-0112 Elbows (33 61 13 00-0111) Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0113 EA 3/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	377.28 5.66	
33 61 13 00-0114 EA 1" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	391.21 5.79	
33 61 13 00-0115 EA 1-1/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	449.62 6.59	
33 61 13 00-0116 EA 1-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	506.26 7.19	
33 61 13 00-0117 EA 2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	594.53 7.49	
33 61 13 00-0118 EA 2-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	711.15 7.79	
33 61 13 00-0119 EA 3" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	826.25 8.99	
33 61 13 00-0120 EA 4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	964.27 10.49	
33 61 13 00-0121 EA 5" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,145.05 13.49	
33 61 13 00-0122 EA 6" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,260.08 15.32	
33 61 13 00-0123 EA 8" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,766.94 22.15	
33 61 13 00-0124 EA 10" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,385.88 28.31	
33 61 13 00-0125 EA 12" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3,038.45 37.47	
33 61 13 00-0126 Elbows (33 61 13 00-0111) Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0127	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	398.51	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.09	
33 61	13 00-0128	EA	1" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	412.94	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.23	
33 61	13 00-0129	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	474.35	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.09	
33 61	13 00-0130	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	533.23	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.73	
33 61	13 00-0131	EA	2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	622.63	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.06	
33 61	13 00-0132	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	740.37	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.38	
33 61	13 00-0133	EA	3" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	859.97	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.67	
33 61	13 00-0134	EA	4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,003.61	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.28	
33 61	13 00-0135	EA	5" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,195.63	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.50	
33 61	13 00-0136	EA	6" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,317.53	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.47	
33 61	13 00-0137	EA	8" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,849.99	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.81	
33 61	13 00-0138	EA	10" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,492.03	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.43	
33 61	13 00-0139	EA	12" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,178.94	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	40.28	
33 61	13 00-0140		Elbows (33 61 13 00-0111) Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0141	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	419.74	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.51	
33 61	13 00-0142	EA	1" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	434.67	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.66	
33 61	13 00-0143	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	499.08	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.58	
33 61	13 00-0144	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	560.21	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.27	
33 61	13 00-0145	EA	2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	650.73	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.62	
33 61	13 00-0146	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	769.59	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.96	
33 61	13 00-0147	EA	3" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	893.69	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.34	
33 61	13 00-0148	EA	4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,042.95	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.06	
33 61	13 00-0149	EA	5" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,246.21	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.51	
33 61	13 00-0150	EA	6" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,374.98	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.62	
33 61	13 00-0151	EA	8" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,933.04	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.47	
33 61	13 00-0152	EA	10" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,598.18	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	32.55	
33 61	13 00-0153	EA	12" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,319.44	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	43.09	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 61 13 00-0154

Elbows (33 61 13 00-0111)

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0155	EA	3/4"	Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	440.97	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.94	
33 61 13 00-0156	EA	1"	Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	456.40	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.10	
33 61 13 00-0157	EA	1-1/4"	Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	523.80	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.08	
33 61 13 00-0158	EA	1-1/2"	Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	587.18	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.81	
33 61 13 00-0159	EA	2"	Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	678.83	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.18	
33 61 13 00-0160	EA	2-1/2"	Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	798.82	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.55	
33 61 13 00-0161	EA	3"	Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	927.41	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.01	
33 61 13 00-0162	EA	4"	Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,082.29	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.85	
33 61 13 00-0163	EA	5"	Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,296.79	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.52	
33 61 13 00-0164	EA	6"	Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,432.42	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.77	
33 61 13 00-0165	EA	8"	Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,016.09	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.13	
33 61 13 00-0166	EA	10"	Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,704.33	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	34.68	
33 61 13 00-0167	EA	12"	Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,459.93	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	45.89	

33 61 13 00-0168

Tees (33 61 13 00-0110)

33 61 13 00-0169

Tees (33 61 13 00-0168)

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0170	EA	3/4"	Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	561.61	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.41	
33 61 13 00-0171	EA	1"	Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	582.33	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.61	
33 61 13 00-0172	EA	1-1/4"	Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	669.34	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.79	
33 61 13 00-0173	EA	1-1/2"	Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	753.80	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.68	
33 61 13 00-0174	EA	2"	Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	885.78	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.13	
33 61 13 00-0175	EA	2-1/2"	Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,060.30	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.57	
33 61 13 00-0176	EA	3"	Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,232.64	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.35	
33 61 13 00-0177	EA	4"	Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,438.54	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.58	
33 61 13 00-0178	EA	5"	Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,709.94	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.03	
33 61 13 00-0179	EA	6"	Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,879.31	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.75	
33 61 13 00-0180	EA	8"	Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,632.60	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	32.89	
33 61 13 00-0181	EA	10"	Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,559.31	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	42.04	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0182	EA	12" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,529.57	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	55.64	
33 61	13 00-0183		Tees <small>(33 61 13 00-0168)</small>		
			Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0184	EA	3/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	593.14	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.04	
33 61	13 00-0185	EA	1" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	614.60	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.25	
33 61	13 00-0186	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	706.05	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.53	
33 61	13 00-0187	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	793.86	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.48	
33 61	13 00-0188	EA	2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	927.50	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.96	
33 61	13 00-0189	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,103.70	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.44	
33 61	13 00-0190	EA	3" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,282.71	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.35	
33 61	13 00-0191	EA	4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,496.96	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.75	
33 61	13 00-0192	EA	5" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,785.05	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.53	
33 61	13 00-0193	EA	6" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,964.62	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.46	
33 61	13 00-0194	EA	8" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,755.92	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	35.35	
33 61	13 00-0195	EA	10" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,716.94	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	45.19	
33 61	13 00-0196	EA	12" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,738.20	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	59.81	
33 61	13 00-0197		Tees <small>(33 61 13 00-0168)</small>		
			Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0198	EA	3/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	624.66	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.67	
33 61	13 00-0199	EA	1" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	646.87	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.90	
33 61	13 00-0200	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	742.77	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.26	
33 61	13 00-0201	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	833.92	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.28	
33 61	13 00-0202	EA	2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	969.23	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.80	
33 61	13 00-0203	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,147.09	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.31	
33 61	13 00-0204	EA	3" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,332.78	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.36	
33 61	13 00-0205	EA	4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,555.38	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.91	
33 61	13 00-0206	EA	5" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,860.16	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.03	
33 61	13 00-0207	EA	6" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,049.93	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.16	
33 61	13 00-0208	EA	8" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,879.25	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.82	



Utilities	33	CS
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MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
33 61	13 00-0209	EA 10" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,874.57	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	48.34	
33 61	13 00-0210	EA 12" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,946.84	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	63.98	
33 61 13 00-0211 Tees <small>(33 61 13 00-0168)</small>				
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.				
33 61	13 00-0212	EA 3/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	656.19	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.30	
33 61	13 00-0213	EA 1" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	679.14	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.54	
33 61	13 00-0214	EA 1-1/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	779.49	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.00	
33 61	13 00-0215	EA 1-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	873.98	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.09	
33 61	13 00-0216	EA 2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,010.96	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.63	
33 61	13 00-0217	EA 2-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,190.49	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.18	
33 61	13 00-0218	EA 3" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,382.86	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.36	
33 61	13 00-0219	EA 4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,613.79	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.08	
33 61	13 00-0220	EA 5" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,935.27	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.54	
33 61	13 00-0221	EA 6" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,135.24	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.87	
33 61	13 00-0222	EA 8" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,002.58	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	40.29	
33 61	13 00-0223	EA 10" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,032.21	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	51.49	
33 61	13 00-0224	EA 12" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,155.47	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	68.15	
33 61 13 00-0225 Reducers <small>(33 61 13 00-0110)</small>				
33 61 13 00-0226 Reducers <small>(33 61 13 00-0225)</small>				
Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.				
33 61	13 00-0227	EA 3/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	319.76	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.70	
33 61	13 00-0228	EA 1" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	331.79	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.81	
33 61	13 00-0229	EA 1-1/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	381.60	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.47	
33 61	13 00-0230	EA 1-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	430.38	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.97	
33 61	13 00-0231	EA 2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	508.75	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.22	
33 61	13 00-0232	EA 2-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	619.98	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.47	
33 61	13 00-0233	EA 3" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	715.19	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.46	
33 61	13 00-0234	EA 4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	830.94	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.71	
33 61	13 00-0235	EA 5" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	983.49	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.19	
33 61	13 00-0236	EA 6" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,080.61	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.71	

33 Utilities

33 60 Hydronic And Steam Energy Utilities

33 61 Hydronic Energy Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 61 13 00-0237	EA		8" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,512.89	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.38	
33 61 13 00-0238	EA		10" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,048.63	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.49	
33 61 13 00-0239	EA		12" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,601.69	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	31.10	

33 61 13 00-0240 Reducers (33 61 13 00-0225)

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0241	EA		3/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	337.38	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.05	
33 61 13 00-0242	EA		1" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	349.82	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.17	
33 61 13 00-0243	EA		1-1/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	402.12	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.88	
33 61 13 00-0244	EA		1-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	452.77	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.42	
33 61 13 00-0245	EA		2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	532.07	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.69	
33 61 13 00-0246	EA		2-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	644.23	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.95	
33 61 13 00-0247	EA		3" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	743.18	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.02	
33 61 13 00-0248	EA		4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	863.59	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.36	
33 61 13 00-0249	EA		5" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,025.47	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.03	
33 61 13 00-0250	EA		6" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,128.29	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.67	
33 61 13 00-0251	EA		8" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,581.82	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.76	
33 61 13 00-0252	EA		10" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,136.74	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.26	
33 61 13 00-0253	EA		12" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,718.31	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.43	

33 61 13 00-0254 Reducers (33 61 13 00-0225)

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0255	EA		3/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	355.00	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.40	
33 61 13 00-0256	EA		1" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	367.86	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.53	
33 61 13 00-0257	EA		1-1/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	422.64	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.29	
33 61 13 00-0258	EA		1-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	475.16	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.87	
33 61 13 00-0259	EA		2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	555.40	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.15	
33 61 13 00-0260	EA		2-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	668.49	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.44	
33 61 13 00-0261	EA		3" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	771.17	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.58	
33 61 13 00-0262	EA		4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	896.24	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.01	
33 61 13 00-0263	EA		5" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,067.45	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0264 EA 6" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....1,175.97 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 14.62	1,175.97 14.62	
33 61 13 00-0265 EA 8" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....1,650.75 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 21.14	1,650.75 21.14	
33 61 13 00-0266 EA 10" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....2,224.84 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 27.02	2,224.84 27.02	
33 61 13 00-0267 EA 12" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....2,834.92 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 35.76	2,834.92 35.76	
33 61 13 00-0268 Reducers <small>(33 61 13 00-0225)</small>		
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0269 EA 3/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....372.62 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 5.76	372.62 5.76	
33 61 13 00-0270 EA 1" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....385.89 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 5.89	385.89 5.89	
33 61 13 00-0271 EA 1-1/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....443.17 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 6.70	443.17 6.70	
33 61 13 00-0272 EA 1-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....497.55 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 7.31	497.55 7.31	
33 61 13 00-0273 EA 2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....578.72 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 7.62	578.72 7.62	
33 61 13 00-0274 EA 2-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....692.74 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 7.92	692.74 7.92	
33 61 13 00-0275 EA 3" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....799.15 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 9.14	799.15 9.14	
33 61 13 00-0276 EA 4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....928.89 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 10.67	928.89 10.67	
33 61 13 00-0277 EA 5" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....1,109.43 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 13.71	1,109.43 13.71	
33 61 13 00-0278 EA 6" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....1,223.65 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 15.58	1,223.65 15.58	
33 61 13 00-0279 EA 8" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....1,719.68 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 22.52	1,719.68 22.52	
33 61 13 00-0280 EA 10" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....2,312.95 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 28.78	2,312.95 28.78	
33 61 13 00-0281 EA 12" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....2,951.53 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 38.09	2,951.53 38.09	
33 61 13 00-0282 Preinsulated Type K Copper Pipe <small>(33 61 13 00-0052)</small>		
Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.		
33 61 13 00-0283 Type K Copper Carrier Pipe <small>(33 61 13 00-0282)</small>		
Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0284 LF 3/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....38.20 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 0.36	38.20 0.36	
33 61 13 00-0285 LF 1" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....41.59 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 0.39	41.59 0.39	
33 61 13 00-0286 LF 1-1/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....45.43 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 0.44	45.43 0.44	
33 61 13 00-0287 LF 1-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....48.36 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 0.47	48.36 0.47	
33 61 13 00-0288 LF 2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....50.95 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 0.49	50.95 0.49	
33 61 13 00-0289 LF 2-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....59.31 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 0.54	59.31 0.54	
33 61 13 00-0290 LF 3" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....68.61 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 0.58	68.61 0.58	
33 61 13 00-0291 LF 4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....86.96 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> 0.73	86.96 0.73	

33	33 Utilities
	33 60 Hydronic And Steam Energy Utilities
	33 61 Hydronic Energy Distribution



MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0292	LF	5" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	108.51	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.93	
33 61 13 00-0293	LF	6" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	126.63	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.08	
33 61 13 00-0294	LF	8" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	166.39	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.58	
33 61 13 00-0295	LF	10" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	208.25	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.08	
33 61 13 00-0296	LF	12" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	258.03	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.60	
33 61 13 00-0297		Type K Copper Carrier Pipe (33 61 13 00-0292)		
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0298	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	39.98	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.39	
33 61 13 00-0299	LF	1" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	43.55	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.43	
33 61 13 00-0300	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	47.63	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.48	
33 61 13 00-0301	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	50.72	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.52	
33 61 13 00-0302	LF	2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	53.42	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.54	
33 61 13 00-0303	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	61.99	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.59	
33 61 13 00-0304	LF	3" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	71.51	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.64	
33 61 13 00-0305	LF	4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	90.61	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.80	
33 61 13 00-0306	LF	5" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	113.18	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.03	
33 61 13 00-0307	LF	6" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	132.05	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.19	
33 61 13 00-0308	LF	8" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	174.28	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.74	
33 61 13 00-0309	LF	10" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	218.66	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.29	
33 61 13 00-0310	LF	12" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	271.02	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.86	
33 61 13 00-0311		Type K Copper Carrier Pipe (33 61 13 00-0292)		
		Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0312	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	40.87	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.41	
33 61 13 00-0313	LF	1" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	44.52	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.45	
33 61 13 00-0314	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	48.73	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.51	
33 61 13 00-0315	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	51.90	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.54	
33 61 13 00-0316	LF	2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	54.66	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.57	
33 61 13 00-0317	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	63.34	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.62	
33 61 13 00-0318	LF	3" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	72.95	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0319 LF 4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	92.43	
For High Density Polyethylene (HDPE) Jacket, Add	0.84	
33 61 13 00-0320 LF 5" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	115.51	
For High Density Polyethylene (HDPE) Jacket, Add	1.07	
33 61 13 00-0321 LF 6" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	134.76	
For High Density Polyethylene (HDPE) Jacket, Add	1.25	
33 61 13 00-0322 LF 8" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	178.23	
For High Density Polyethylene (HDPE) Jacket, Add	1.81	
33 61 13 00-0323 LF 10" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	223.86	
For High Density Polyethylene (HDPE) Jacket, Add	2.39	
33 61 13 00-0324 LF 12" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	277.51	
For High Density Polyethylene (HDPE) Jacket, Add	2.99	
 33 61 13 00-0325 Type K Copper Carrier Pipe <small>(33 61 13 00-0282)</small>		
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0326 LF 3/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	42.20	
For High Density Polyethylene (HDPE) Jacket, Add	0.44	
33 61 13 00-0327 LF 1" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	45.99	
For High Density Polyethylene (HDPE) Jacket, Add	0.48	
33 61 13 00-0328 LF 1-1/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	50.38	
For High Density Polyethylene (HDPE) Jacket, Add	0.54	
33 61 13 00-0329 LF 1-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	53.67	
For High Density Polyethylene (HDPE) Jacket, Add	0.58	
33 61 13 00-0330 LF 2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	56.51	
For High Density Polyethylene (HDPE) Jacket, Add	0.60	
33 61 13 00-0331 LF 2-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	65.35	
For High Density Polyethylene (HDPE) Jacket, Add	0.66	
33 61 13 00-0332 LF 3" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	75.13	
For High Density Polyethylene (HDPE) Jacket, Add	0.71	
33 61 13 00-0333 LF 4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	95.17	
For High Density Polyethylene (HDPE) Jacket, Add	0.89	
33 61 13 00-0334 LF 5" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	119.01	
For High Density Polyethylene (HDPE) Jacket, Add	1.14	
33 61 13 00-0335 LF 6" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	138.82	
For High Density Polyethylene (HDPE) Jacket, Add	1.33	
33 61 13 00-0336 LF 8" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	184.14	
For High Density Polyethylene (HDPE) Jacket, Add	1.93	
33 61 13 00-0337 LF 10" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	231.67	
For High Density Polyethylene (HDPE) Jacket, Add	2.55	
33 61 13 00-0338 LF 12" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	287.25	
For High Density Polyethylene (HDPE) Jacket, Add	3.18	
 33 61 13 00-0339 Preinsulated Copper Fittings <small>(33 61 13 00-0052)</small>		
33 61 13 00-0340 Elbows <small>(33 61 13 00-0339)</small>		
33 61 13 00-0341 Elbows <small>(33 61 13 00-0340)</small>		
Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0342 EA 3/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	284.36	
For High Density Polyethylene (HDPE) Jacket, Add	4.05	
33 61 13 00-0343 EA 1" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	295.47	
For High Density Polyethylene (HDPE) Jacket, Add	4.14	
33 61 13 00-0344 EA 1-1/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	340.09	
For High Density Polyethylene (HDPE) Jacket, Add	4.72	
33 61 13 00-0345 EA 1-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	384.71	
For High Density Polyethylene (HDPE) Jacket, Add	5.14	
33 61 13 00-0346 EA 2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	459.15	
For High Density Polyethylene (HDPE) Jacket, Add	5.36	

33 Utilities**33 60 Hydronic And Steam Energy Utilities**

33 61 Hydronic Energy Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0347	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	558.23	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.57	
33 61	13 00-0348	EA	3" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	649.07	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.43	
33 61	13 00-0349	EA	4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	757.51	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.50	
33 61	13 00-0350	EA	5" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	891.58	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.65	
33 61	13 00-0351	EA	6" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	977.50	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.96	
33 61	13 00-0352	EA	8" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,365.56	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.84	
33 61	13 00-0353	EA	10" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,856.12	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.25	
33 61	13 00-0354	EA	12" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,352.97	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.80	
33 61	13 00-0355		Elbows (33 61 13 00-0340)		
			Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0356	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	299.55	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.35	
33 61	13 00-0357	EA	1" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	311.01	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.46	
33 61	13 00-0358	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	357.78	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.07	
33 61	13 00-0359	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	404.00	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.53	
33 61	13 00-0360	EA	2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	479.25	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.76	
33 61	13 00-0361	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	579.13	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.99	
33 61	13 00-0362	EA	3" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	673.18	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.91	
33 61	13 00-0363	EA	4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	785.64	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.07	
33 61	13 00-0364	EA	5" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	927.75	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.37	
33 61	13 00-0365	EA	6" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,018.59	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.78	
33 61	13 00-0366	EA	8" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,424.95	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.03	
33 61	13 00-0367	EA	10" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,932.05	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.76	
33 61	13 00-0368	EA	12" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,453.46	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.81	
33 61	13 00-0369		Elbows (33 61 13 00-0340)		
			Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0370	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	314.73	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.66	
33 61	13 00-0371	EA	1" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	326.55	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.77	
33 61	13 00-0372	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	375.46	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.42	
33 61	13 00-0373	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	423.29	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.92	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0374	EA 2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		499.35	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		6.16	
33 61 13 00-0375	EA 2-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		600.03	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		6.41	
33 61 13 00-0376	EA 3" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		697.30	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		7.40	
33 61 13 00-0377	EA 4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		813.78	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		8.63	
33 61 13 00-0378	EA 5" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		963.93	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		11.09	
33 61 13 00-0379	EA 6" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		1,059.87	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		12.60	
33 61 13 00-0380	EA 8" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		1,484.23	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		18.22	
33 61 13 00-0381	EA 10" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		2,007.62	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		23.28	
33 61 13 00-0382	EA 12" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		2,554.20	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		30.81	
33 61 13 00-0383	Elbows <small>(33 61 13 00-0340)</small> Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.			
33 61 13 00-0384	EA 3/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		329.92	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		4.96	
33 61 13 00-0385	EA 1" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		342.09	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		5.08	
33 61 13 00-0386	EA 1-1/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		393.15	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		5.78	
33 61 13 00-0387	EA 1-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		442.58	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		6.30	
33 61 13 00-0388	EA 2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		519.44	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		6.56	
33 61 13 00-0389	EA 2-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		620.93	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		6.83	
33 61 13 00-0390	EA 3" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		721.41	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		7.88	
33 61 13 00-0391	EA 4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		841.91	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		9.19	
33 61 13 00-0392	EA 5" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		1,000.10	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		11.82	
33 61 13 00-0393	EA 6" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		1,100.96	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		13.42	
33 61 13 00-0394	EA 8" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		1,543.63	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		19.40	
33 61 13 00-0395	EA 10" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		2,083.55	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		24.80	
33 61 13 00-0396	EA 12" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		2,654.68	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		32.82	
33 61 13 00-0397	Tees <small>(33 61 13 00-0339)</small>			
33 61 13 00-0398	Tees <small>(33 61 13 00-0397)</small> Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.			
33 61 13 00-0399	EA 3/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		423.47	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		6.01	
33 61 13 00-0400	EA 1" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		439.97	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		6.15	
33 61 13 00-0401	EA 1-1/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket		506.46	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		7.00	

33 Utilities

33 60 Hydronic And Steam Energy Utilities

33 61 Hydronic Energy Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0402	EA		1-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	573.04	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.64	
33 61 13 00-0403	EA		2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	684.34	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.96	
33 61 13 00-0404	EA		2-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	832.69	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.28	
33 61 13 00-0405	EA		3" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	968.82	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.55	
33 61 13 00-0406	EA		4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,130.68	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.14	
33 61 13 00-0407	EA		5" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,332.33	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.32	
33 61 13 00-0408	EA		6" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,458.54	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.27	
33 61 13 00-0409	EA		8" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,035.26	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.52	
33 61 13 00-0410	EA		10" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,770.43	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.06	
33 61 13 00-0411	EA		12" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,509.38	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	39.79	
33 61 13 00-0412			Tees <small>(33 61 13 00-0397)</small> Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0413	EA		3/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	446.01	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.46	
33 61 13 00-0414	EA		1" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	463.05	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.62	
33 61 13 00-0415	EA		1-1/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	532.73	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.53	
33 61 13 00-0416	EA		1-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	601.69	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.21	
33 61 13 00-0417	EA		2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	714.19	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.56	
33 61 13 00-0418	EA		2-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	863.73	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.90	
33 61 13 00-0419	EA		3" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,004.63	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.27	
33 61 13 00-0420	EA		4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,172.46	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.98	
33 61 13 00-0421	EA		5" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,386.05	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.40	
33 61 13 00-0422	EA		6" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,519.55	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.49	
33 61 13 00-0423	EA		8" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,123.47	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.29	
33 61 13 00-0424	EA		10" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,883.17	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	32.32	
33 61 13 00-0425	EA		12" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,658.59	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	42.78	
33 61 13 00-0426			Tees <small>(33 61 13 00-0397)</small> Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0427	EA		3/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	468.56	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.91	
33 61 13 00-0428	EA		1" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	486.13	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0429 EA 1-1/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	558.99 8.05	
33 61 13 00-0430 EA 1-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	630.34 8.79	
33 61 13 00-0431 EA 2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	744.03 9.15	
33 61 13 00-0432 EA 2-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	894.76 9.52	
33 61 13 00-0433 EA 3" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,040.44 10.98	
33 61 13 00-0434 EA 4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,214.24 12.81	
33 61 13 00-0435 EA 5" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,439.77 16.47	
33 61 13 00-0436 EA 6" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,580.88 18.71	
33 61 13 00-0437 EA 8" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,210.84 27.05	
33 61 13 00-0438 EA 10" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,993.97 34.57	
33 61 13 00-0439 EA 12" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3,810.05 45.76	
33 61 13 00-0440 Tees <small>(33 61 13 00-0397)</small> Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0441 EA 3/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	491.11 7.37	
33 61 13 00-0442 EA 1" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	509.21 7.54	
33 61 13 00-0443 EA 1-1/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	585.25 8.58	
33 61 13 00-0444 EA 1-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	658.99 9.36	
33 61 13 00-0445 EA 2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	773.87 9.75	
33 61 13 00-0446 EA 2-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	925.80 10.14	
33 61 13 00-0447 EA 3" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,076.25 11.70	
33 61 13 00-0448 EA 4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,256.02 13.65	
33 61 13 00-0449 EA 5" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,493.49 17.55	
33 61 13 00-0450 EA 6" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,641.89 19.93	
33 61 13 00-0451 EA 8" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,299.05 28.81	
33 61 13 00-0452 EA 10" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3,106.71 36.83	
33 61 13 00-0453 EA 12" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3,959.27 48.74	
33 61 13 00-0454 Reducers <small>(33 61 13 00-0339)</small>		
33 61 13 00-0455 Reducers <small>(33 61 13 00-0454)</small> Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0456 EA 3/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	241.79 3.36	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0457	EA	1" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	251.39	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.44	
33 61 13 00-0458	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	289.57	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.91	
33 61 13 00-0459	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	328.18	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.27	
33 61 13 00-0460	EA	2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	394.40	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.45	
33 61 13 00-0461	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	489.19	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.63	
33 61 13 00-0462	EA	3" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	564.29	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.34	
33 61 13 00-0463	EA	4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	655.33	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.23	
33 61 13 00-0464	EA	5" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	768.80	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.01	
33 61 13 00-0465	EA	6" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	841.54	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.09	
33 61 13 00-0466	EA	8" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,173.64	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.15	
33 61 13 00-0467	EA	10" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,600.09	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.80	
33 61 13 00-0468	EA	12" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,022.35	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.24	
33 61 13 00-0469		Reducers <small>(33 61 13 00-0454)</small>		
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0470	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	254.39	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.61	
33 61 13 00-0471	EA	1" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	264.29	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.70	
33 61 13 00-0472	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	304.25	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.21	
33 61 13 00-0473	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	344.19	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.59	
33 61 13 00-0474	EA	2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	411.08	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.78	
33 61 13 00-0475	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	506.54	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.97	
33 61 13 00-0476	EA	3" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	584.31	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.74	
33 61 13 00-0477	EA	4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	678.69	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.69	
33 61 13 00-0478	EA	5" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	798.83	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.61	
33 61 13 00-0479	EA	6" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	875.64	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.78	
33 61 13 00-0480	EA	8" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,222.94	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.13	
33 61 13 00-0481	EA	10" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,663.10	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.06	
33 61 13 00-0482	EA	12" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,105.75	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.91	
33 61 13 00-0483		Reducers <small>(33 61 13 00-0454)</small>		
		Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0484 EA 3/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	266.99	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.86	
33 61 13 00-0485 EA 1" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	277.19	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.96	
33 61 13 00-0486 EA 1-1/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	318.93	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.50	
33 61 13 00-0487 EA 1-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	360.20	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.91	
33 61 13 00-0488 EA 2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	427.76	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.12	
33 61 13 00-0489 EA 2-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	523.88	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.32	
33 61 13 00-0490 EA 3" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	604.33	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.14	
33 61 13 00-0491 EA 4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	702.04	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.16	
33 61 13 00-0492 EA 5" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	828.85	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.21	
33 61 13 00-0493 EA 6" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	909.91	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.46	
33 61 13 00-0494 EA 8" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,271.95	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.12	
33 61 13 00-0495 EA 10" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,725.85	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.32	
33 61 13 00-0496 EA 12" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,189.36	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.58	
33 61 13 00-0497 Reducers <small>(33 61 13 00-0454)</small>		
<i>Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.</i>		
33 61 13 00-0498 EA 3/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	279.60	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.12	
33 61 13 00-0499 EA 1" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	290.09	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.21	
33 61 13 00-0500 EA 1-1/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	333.61	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.80	
33 61 13 00-0501 EA 1-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	376.22	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.23	
33 61 13 00-0502 EA 2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	444.44	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.45	
33 61 13 00-0503 EA 2-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	541.23	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.67	
33 61 13 00-0504 EA 3" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	624.34	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.54	
33 61 13 00-0505 EA 4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	725.39	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.63	
33 61 13 00-0506 EA 5" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	858.88	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.81	
33 61 13 00-0507 EA 6" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	944.01	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.14	
33 61 13 00-0508 EA 8" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,321.25	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.10	
33 61 13 00-0509 EA 10" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,788.86	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.58	
33 61 13 00-0510 EA 12" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,272.76	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.24	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 61 13 00-0511		Preinsulated Ductile Iron Carrier Pipe <small>(33 61 13 00-0052)</small> Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.	
33 61 13 00-0512		Ductile Iron Carrier Pipe <small>(33 61 13 00-0511)</small> Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.	
33 61 13 00-0513	LF	4" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	118.18
33 61 13 00-0514	LF	6" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	172.60
33 61 13 00-0515	LF	8" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	230.63
33 61 13 00-0516	LF	10" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	291.32
33 61 13 00-0517	LF	12" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	361.39
33 61 13 00-0518		Ductile Iron Carrier Pipe <small>(33 61 13 00-0511)</small> Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.	
33 61 13 00-0519	LF	4" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	125.01
33 61 13 00-0520	LF	6" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	182.75
33 61 13 00-0521	LF	8" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	245.40
33 61 13 00-0522	LF	10" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	310.82
33 61 13 00-0523	LF	12" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	385.71
33 61 13 00-0524	LF	14" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	421.23
33 61 13 00-0525	LF	16" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	472.84
33 61 13 00-0526	LF	18" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	530.17
33 61 13 00-0527	LF	20" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	582.10
33 61 13 00-0528	LF	24" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	685.53
33 61 13 00-0529		Preinsulated Ductile Iron Fittings <small>(33 61 13 00-0052)</small>	
33 61 13 00-0530		Elbows <small>(33 61 13 00-0529)</small>	
33 61 13 00-0531		Elbows <small>(33 61 13 00-0530)</small> Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.	
33 61 13 00-0532	EA	4" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,044.70
33 61 13 00-0533	EA	6" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,377.53
33 61 13 00-0534	EA	8" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,936.73
33 61 13 00-0535	EA	10" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,602.90
33 61 13 00-0536	EA	12" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	3,325.68
33 61 13 00-0537		Elbows <small>(33 61 13 00-0530)</small> Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.	
33 61 13 00-0538	EA	4" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,129.11
33 61 13 00-0539	EA	6" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,500.79
33 61 13 00-0540	EA	8" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,114.93
33 61 13 00-0541	EA	10" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,830.67
33 61 13 00-0542	EA	12" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	3,627.14
33 61 13 00-0543	EA	14" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	4,406.75
33 61 13 00-0544	EA	16" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	5,198.56
33 61 13 00-0545	EA	18" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	6,485.26
33 61 13 00-0546	EA	20" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	8,235.15
33 61 13 00-0547	EA	24" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	10,710.02
33 61 13 00-0548		Tees <small>(33 61 13 00-0529)</small>	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0549		
Tees <small>(33 61 13 00-0548)</small>		
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0550 EA 4" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,557.97	
33 61 13 00-0551 EA 6" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,053.72	
33 61 13 00-0552 EA 8" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,884.73	
33 61 13 00-0553 EA 10" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	3,881.58	
33 61 13 00-0554 EA 12" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	4,956.10	
33 61 13 00-0555		
Tees <small>(33 61 13 00-0548)</small>		
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0556 EA 4" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,683.32	
33 61 13 00-0557 EA 6" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,236.77	
33 61 13 00-0558 EA 8" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	3,149.35	
33 61 13 00-0559 EA 10" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	4,219.82	
33 61 13 00-0560 EA 12" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	5,403.78	
33 61 13 00-0561 EA 14" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	6,429.40	
33 61 13 00-0562 EA 16" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	7,587.02	
33 61 13 00-0563 EA 18" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	9,466.32	
33 61 13 00-0564 EA 20" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	12,027.41	
33 61 13 00-0565 EA 24" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	15,639.45	
33 61 13 00-0566		
Reducers <small>(33 61 13 00-0529)</small>		
33 61 13 00-0567		
Reducers <small>(33 61 13 00-0566)</small>		
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0568 EA 4" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	897.69	
33 61 13 00-0569 EA 6" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,178.09	
33 61 13 00-0570 EA 8" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,653.81	
33 61 13 00-0571 EA 10" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,228.76	
33 61 13 00-0572 EA 12" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,840.09	
33 61 13 00-0573		
Reducers <small>(33 61 13 00-0566)</small>		
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0574 EA 4" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	967.75	
33 61 13 00-0575 EA 6" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,280.40	
33 61 13 00-0576 EA 8" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,801.72	
33 61 13 00-0577 EA 10" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,417.81	
33 61 13 00-0578 EA 12" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	3,090.31	
33 61 13 00-0579 EA 14" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	3,672.71	
33 61 13 00-0580 EA 16" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	4,328.02	
33 61 13 00-0581 EA 18" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	5,363.24	
33 61 13 00-0582 EA 20" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	6,861.09	
33 61 13 00-0583 EA 24" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	8,945.93	
33 61 13 00-0584		
Tempered Water Piping Pre-Insulated <small>(33 61 13 00-0052)</small>		
33 61 13 00-0585		
Fiberglass Reinforced Polyester (FRP) Carrier And Casing, 1" Polyurethane Insulation <small>(33 61 13 00-0584)</small>		
33 61 13 00-0586 LF 4" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation.....	60.70	18.54

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0587	LF	6" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	73.99	20.38
33 61	13 00-0588	LF	8" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	99.25	22.22
33 61	13 00-0589	LF	10" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	133.22	27.77
33 61	13 00-0590	LF	12" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	169.79	34.24
33 61	13 00-0591		Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing, 1" Polyurethane Insulation ^(33 61 13 00-0584)		
33 61	13 00-0592	LF	4" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	40.07	20.38
33 61	13 00-0593	LF	6" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	43.19	20.38
33 61	13 00-0594	LF	8" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	46.09	20.38
33 61	13 00-0595	LF	10" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	55.40	24.08
33 61	13 00-0596	LF	12" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	67.58	30.56
33 61	13 00-0597		Polyvinyl Chloride (PVC) Carrier And Casing, 1" Polyurethane Insulation ^(33 61 13 00-0584)		
33 61	13 00-0598	LF	4" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	40.07	20.38
33 61	13 00-0599	LF	6" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	43.19	20.38
33 61	13 00-0600	LF	8" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	46.09	20.38
33 61	13 00-0601	LF	10" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	55.40	24.08
33 61	13 00-0602	LF	12" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	67.58	30.56
33 70	Electrical Utilities ⁽³³⁾				
33 71	Electrical Utility Transmission And Distribution ^(33 70)				
33 71 19	Electrical Underground Ducts, Ductbanks and Manholes ^(33 71)				
	Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.				
33 71 19 00-0001	Electrical Handholes And Pull Boxes ^(33 71 19)				
33 71 19 00-0002	Electrical Pull Boxes ^(33 71 19 00-0001)				
	See CSI section 33 05 63 00-0427 for handholes.				
33 71 19 00-0003	EA		24" x 36" x 24", Electric Pull Boxes, Precast Concrete	1,561.42	
33 71 19 00-0004	EA		24" x 36" x 36", Electric Pull Boxes, Precast Concrete	1,863.87	
33 71 19 00-0005	EA		30" x 48" x 36", Electric Pull Boxes, Precast Concrete	2,152.32	
33 71 19 00-0006	EA		36" x 72" x 24", Electric Pull Boxes, Precast Concrete	3,316.81	
33 71 19 00-0007	EA		36" x 60" x 36", Electric Pull Boxes, Precast Concrete	3,531.22	
33 71 19 00-0008	EA		48" x 48" x 36", Electric Pull Boxes, Precast Concrete	3,794.44	
33 71 19 00-0009	EA		48" x 60" x 48", Electric Pull Boxes, Precast Concrete	4,363.21	
33 71 19 00-0010	Electrical Pull Boxes (CALTRANS) ^(33 71 19 00-0001)				
33 71 19 00-0011	EA		Body, CALTRANS 3-1/2 Precast Concrete Pull Box.....	97.13	
33 71 19 00-0012	EA		Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box.....	34.86	
33 71 19 00-0013	EA		Bolt Down Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box.....	55.38	
33 71 19 00-0014	EA		Bolt Down Cast Iron Cover, CALTRANS 3-1/2 Precast Concrete Pull Box.....	108.44	
33 71 19 00-0015	EA		Bolt Down Steel Cover, CALTRANS 3-1/2 Precast Concrete Pull Box.....	163.46	
			<i>For Galvanized Steel Cover, Add</i>	26.63	
33 71 19 00-0016	EA		12" Extension, CALTRANS 3-1/2 Precast Concrete Pull Box.....	46.92	
33 71 19 00-0017	EA		Flat Plate Base, CALTRANS 3-1/2 Precast Concrete Pull Box.....	46.92	
33 71 19 00-0018	EA		Body, CALTRANS 5 Precast Concrete Pull Box.....	140.33	
33 71 19 00-0019	EA		Concrete Cover, CALTRANS 5 Precast Concrete Pull Box.....	45.28	
33 71 19 00-0020	EA		Bolt Down Concrete Cover, CALTRANS 5 Precast Concrete Pull Box.....	65.80	
33 71 19 00-0021	EA		Bolt Down Steel Cover, CALTRANS 5 Precast Concrete Pull Box.....	214.24	
			<i>For Galvanized Steel Cover, Add</i>	48.83	
33 71 19 00-0022	EA		12" Extension, CALTRANS 5 Precast Concrete Pull Box.....	63.20	
33 71 19 00-0023	EA		Flat Plate Base, CALTRANS 5 Precast Concrete Pull Box.....	59.62	
33 71 19 00-0024	EA		Body, CALTRANS 6 Precast Concrete Pull Box.....	150.74	
33 71 19 00-0025	EA		Concrete Cover, CALTRANS 6 Precast Concrete Pull Box.....	59.28	
33 71 19 00-0026	EA		Bolt Down Concrete Cover, CALTRANS 6 Precast Concrete Pull Box.....	79.80	
33 71 19 00-0027	EA		Bolt Down Steel Cover, CALTRANS 6 Precast Concrete Pull Box.....	291.06	
			<i>For Galvanized Steel Cover, Add</i>	68.36	
33 71 19 00-0028	EA		12" Extension, CALTRANS 6 Precast Concrete Pull Box.....	73.61	
33 71 19 00-0029	EA		Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box.....	69.71	
33 71 19 00-0030	EA		6" Return Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box.....	93.14	
33 71 19 00-0031	EA		Body, CALTRANS 3-1/2-T Precast Concrete Pull Box.....	192.50	
33 71 19 00-0032	EA		Bolt Down Concrete Cover, CALTRANS 3-1/2-T Precast Concrete Pull Box.....	255.90	
33 71 19 00-0033	EA		12" Extension, CALTRANS 3-1/2-T Precast Concrete Pull Box.....	86.63	
33 71 19 00-0034	EA		Flat Plate Base, CALTRANS 3-1/2-T Precast Concrete Pull Box.....	80.12	
33 71 19 00-0035	EA		Body, CALTRANS 5-T Precast Concrete Pull Box.....	254.91	
33 71 19 00-0036	EA		Bolt Down Concrete Cover, CALTRANS 5-T Precast Concrete Pull Box.....	366.58	
33 71 19 00-0037	EA		12" Extension, CALTRANS 5-T Precast Concrete Pull Box.....	102.26	
33 71 19 00-0038	EA		Flat Plate Base, CALTRANS 5-T Precast Concrete Pull Box.....	99.65	
33 71 19 00-0039	EA		Body, CALTRANS 6-T Precast Concrete Pull Box.....	349.96	



Utilities	33	33
Electrical Utilities	33 70	
Electrical Utility Transmission And Distribution	33 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 71 19 00-0040 EA Bolt Down Concrete Cover, CALTRANS 6-T Precast Concrete Pull Box	509.81	
33 71 19 00-0041 EA 12" Extension, CALTRANS 6-T Precast Concrete Pull Box	167.36	
33 71 19 00-0042 EA Flat Plate Base, CALTRANS 6-T Precast Concrete Pull Box	132.21	
33 71 19 00-0043 Electrical Property Line Boxes (33 71 19)		
33 71 19 00-0044 EA 3'-6" x 2'-9" x 2' Deep Property Line Box	3,014.68	329.79
33 71 19 00-0045 EA 4'-6" x 3'-6" x 4' Deep Property Line Box	3,520.09	342.01
33 71 19 00-0046 EA 6' x 4' x 5' Deep Property Line Box	3,882.28	415.29
33 71 19 00-0047 EA 11'-6" x 4'-6" x 6' Deep Property Line Box	5,931.68	610.72
33 71 19 00-0048 Underground Electrical Concrete Markers (33 71 19)		
33 71 19 00-0049 EA 36" x 6" x 6", Underground Electric Concrete Marker	290.80	
33 71 19 00-0050 Manhole Accessories (33 71 19)		
33 71 19 00-0051 EA 6" Precast Grade Ring Riser Casting.....	413.50	
33 71 19 00-0052 EA 12" Precast Grade Ring Riser Casting.....	447.79	
33 71 19 00-0053 EA 36" Opening Cast Iron Frame And Cover NEENAH #R-1640-D.....	1,625.88	
33 71 19 00-0054 EA 42" Opening Cast Iron Frame And Cover NEENAH #R-1740-E1	2,119.43	
33 71 19 00-0055 EA Cast Iron Adjusting Ring NEENAH #R-1979.....	696.50	
33 71 19 00-0056 EA Cast Iron Frame And Cover NEENAH #R-1640-B.....	881.60	

END OF SECTION 33

33 Utilities

33 70 Electrical Utilities

33 71 Electrical Utility Transmission And Distribution



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 Transportation		
34 40 Transportation Signaling and Control Equipment ⁽³⁴⁾		
34 41 Roadway Signaling and Control Equipment ^(34 40)		
34 41 13 Traffic Signals ^(34 41)		
34 41 13 00-0001 Traffic Signals ^(34 41 13)		
34 41 13 00-0002 EA Single Traffic Signal Head, 4 Way Pattern.....	4,927.31	639.66
34 41 13 00-0003 Traffic Detector Induction Loop ^(34 41 13)		
34 41 13 00-0004 EA 6' x 6', Type A, 3 Turns Per Loop, Traffic Detector Induction Loop.....	340.83	
Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0005 EA 6' x 6', Type D, 3 Turns Per Loop, Traffic Detector Induction Loop.....	425.46	
Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0006 EA 6' x 6', Type D, 5 Turns Per Loop, Traffic Detector Induction Loop.....	475.59	
Note: Includes saw cutting, 5 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0007 EA 6' x 6', Type Q, 3 Turns Per Loop, Traffic Detector Induction Loop.....	417.75	
Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0008 EA 6' x 20', Type C, 3 Turns Per Loop, Traffic Detector Induction Loop.....	724.91	
Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0009 EA 6' x 28', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop.....	896.70	
Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0010 EA 6' x 28', Type C, 3 Turns Per Loop, Traffic Detector Induction Loop.....	948.04	
Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0011 EA 6' x 40', Type C, 1 Turn Per Loop, Traffic Detector Induction Loop.....	1,192.24	
Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0012 EA 6' x 40', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop.....	1,268.37	
Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0013 EA 6' x 50', Type C, 1 Turn Per Loop, Traffic Detector Induction Loop.....	1,377.05	
Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0014 EA 6' x 50', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop.....	1,470.07	
Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0015 LF In Pavement, Lead Wire For Traffic Signal Detector.....	5.97	
Note: Includes saw cutting, sealing and splicing into traffic signal loop wire in street. Excludes junction box or conduit.		
34 41 13 00-0016 LF In Earthwork, Lead Wire For Traffic Signal Detector.....	2.77	
Note: Includes trenching in earthwork and splicing into traffic signal loop wire. Excludes junction box or conduit.		
34 41 13 00-0017 EA 2 Channel, Rack Mounted, Traffic Loop Vehicle Detector (Reno A&E Model 222).....	168.18	
34 41 13 00-0018 EA 4 Channel, Rack Mounted, Traffic Loop Vehicle Detector (Reno A&E Model E-1100).....	452.59	
34 41 13 00-0019 EA 2 Channel, Rack Mounted, Traffic Loop Bicycle Detector (Reno A&E Model C-1100).....	285.71	
34 41 13 00-0020 Overhead Traffic Signals ^(34 41 13)		
34 41 13 00-0021 EA Traffic Signal Controller Unit, TS 2 Type 1 (ASC/3-1000).....	3,916.52	852.89
34 41 13 00-0022 EA Traffic Signal Controller Unit, TS 2 Type 2 (ASC/3-2100).....	4,023.26	852.89
34 41 13 00-0023 EA Traffic Signal Controller Unit, Replacement For Type 170E (ASC/3RM).....	4,167.68	852.89
34 41 13 00-0024 EA Optical Detector For Mast Arm Mounting, 1 Channel, 1 Way.....	747.88	193.00
34 41 13 00-0025 EA Optical Detector For Mast Arm Mounting, 1 Channel, 2 Way.....	810.67	193.00
34 41 13 00-0026 EA Optical Detector For Mast Arm Mounting, 2 Channel.....	1,016.62	193.00
34 41 13 00-0027 EA Optical Detector For Pole-Side Mounting, 1 Channel, 1 Way.....	747.88	193.00
34 41 13 00-0028 EA Optical Detector For Pole-Side Mounting, 1 Channel, 2 Way.....	810.67	193.00
34 41 13 00-0029 EA Optical Detector For Pole-Side Mounting, 2 Channel.....	1,016.62	193.00
34 41 13 00-0030 EA Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 1 Way.....	747.88	193.00
34 41 13 00-0031 EA Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 2 Way.....	810.67	193.00
34 41 13 00-0032 EA Optical Detector For Pedestal Or Pipe Mounting, 2 Channel.....	1,016.62	193.00
34 41 13 00-0033 EA Optical Detector For Span Wire Mounting, 1 Channel, 1 Way.....	747.88	193.00
34 41 13 00-0034 EA Optical Detector For Span Wire Mounting, 1 Channel, 2 Way.....	810.67	193.00
34 41 13 00-0035 EA Optical Detector For Span Wire Mounting, 2 Channel.....	1,016.62	193.00
34 41 13 00-0036 EA Optical Detector For Signal Top Mounting, 1 Channel, 1 Way.....	747.88	193.00
34 41 13 00-0037 EA Optical Detector For Signal Top Mounting, 1 Channel, 2 Way.....	810.67	193.00
34 41 13 00-0038 EA Optical Detector For Signal Top Mounting, 2 Channel.....	1,016.62	193.00
34 41 13 00-0039 EA Phase Selector, 2 Channel.....	2,151.71	24.13
34 41 13 00-0040 EA Phase Selector, 4 Channel.....	3,338.45	24.13
34 41 13 00-0041 EA Malfunction Management Unit For Use With NEMA Controller.....	1,101.15	48.25
34 41 13 00-0042 EA Malfunction Management Unit For Use With Type 170E Or 2070 Controller.....	1,101.15	48.25
34 41 13 00-0043 EA Time Switch, 1-Circuit.....	279.34	28.95

34 Transportation
34 40 Transportation Signaling and Control Equipment
34 41 Roadway Signaling and Control Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0044 EA Digital Loop-Type Vehicle Detector Card, 2-Channel, Normal.....	222.55	12.06
34 41 13 00-0045 EA Digital Loop-Type Vehicle Detector Card, 2-Channel, Stretch/Delay.....	289.10	12.06
34 41 13 00-0046 EA Digital Loop-Type Vehicle Detector Card, 4-Channel, Normal.....	408.40	12.06
34 41 13 00-0047 EA Digital Loop-Type Vehicle Detector Card, 4-Channel, Stretch/Delay.....	511.38	12.06
34 41 13 00-0048 EA Digital Loop-Type Vehicle Detector Card Rack With Power Supply For Controller Cabinet.....	1,377.88	12.06
34 41 13 00-0049 EA Digital Loop-Type Vehicle Detector Card Rack With Power Supply For Remote Detector Cabinet.....	1,377.88	12.06
34 41 13 00-0050 EA Power Line Surge Protector.....	130.50	7.23
34 41 13 00-0051 EA Loop Detector Surge Protector.....	68.29	7.23
34 41 13 00-0052 EA Controller Cabinet With 1 Detector Rack And 1 Load Switch Bay.....	8,683.51	1,199.37
34 41 13 00-0053 EA Controller Cabinet With 1 Detector Rack And 2 Load Switch Bays.....	9,399.32	1,199.37
34 41 13 00-0054 EA Controller Cabinet With 2 Detector Racks And 1 Load Switch Bay.....	10,259.54	1,199.37
34 41 13 00-0055 EA Controller Cabinet With 2 Detector Racks And 2 Load Switch Bays.....	10,523.26	1,199.37
34 41 13 00-0056 EA Speed Limit Beacon Control Option.....	3,779.16	319.84
34 41 13 00-0057 EA Speed Limit Beacon Control Cabinet.....	4,418.84	639.66
34 41 13 00-0058 EA Remote Detector Cabinet.....	2,472.35	639.66
34 41 13 00-0059 EA Traffic Signal Hand Control.....	652.75	106.61
34 41 13 00-0060 EA Load Switch.....	63.46	7.23
34 41 13 00-0061 EA Extra Pedestrian Detector Isolation Assembly.....	527.17	106.61
34 41 13 00-0062 EA Fiber Optic Transceivers-Repeater Module.....	813.38	193.00
34 41 13 00-0063 EA Field Transceiver-Repeater.....	375.42	48.25
34 41 13 00-0064 EA 30" Pedestal With Base Plate And Cover.....	559.98	97.04
34 41 13 00-0065 EA 42" Pedestal With Base Plate And Cover (Push Button Pedestal).....	651.69	101.45
34 41 13 00-0066 EA 8" Pedestal With Base Plate And Cover.....	810.73	113.81
34 41 13 00-0067 EA 11" Pedestal With Base Plate And Cover.....	901.08	123.51
34 41 13 00-0068 EA 15" Pedestal With Base Plate And Cover.....	1,005.44	147.34
34 41 13 00-0069 LF 6-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	1.15	
34 41 13 00-0070 LF 12-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	1.24	
34 41 13 00-0071 LF 24-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	1.42	
34 41 13 00-0072 LF 36-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	1.61	
34 41 13 00-0073 LF 48-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	1.80	
34 41 13 00-0074 LF 72-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	2.10	
34 41 13 00-0075 LF 96-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	2.40	
34 41 13 00-0076 LF 144-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	2.92	
34 41 13 00-0077 LF 3/16" Diameter Messenger Cable.....	0.53	0.09
34 41 13 00-0078 LF 1/4" Diameter Messenger Cable.....	0.63	0.09
34 41 13 00-0079 LF 3/8" Diameter Messenger Cable.....	1.17	0.09
34 41 13 00-0080 LF 1/2" Diameter Messenger Cable.....	2.41	0.18
34 41 13 00-0081 EA 4' Diameter x 10' Concrete Base For Poles.....	2,348.19	
Note: Includes drilling in earth, rebar, bolts, forms for exposed base, bolts and concrete.		
34 41 13 00-0082 EA 4' Diameter x 16' Concrete Base For Poles.....	3,740.93	
Note: Includes drilling in earth, rebar, bolts, forms for exposed base, bolts and concrete.		
34 41 13 00-0083 EA Internally Illuminated Street Name Sign, 1 Line, 4'.....	1,732.48	213.22
34 41 13 00-0084 EA Internally Illuminated Street Name Sign, 1 Line, 6'.....	2,140.47	266.53
34 41 13 00-0085 EA Internally Illuminated Street Name Sign, 1 Line, 8'.....	2,347.55	319.84
34 41 13 00-0086 EA Internally Illuminated Street Name Sign, 1 Line, 10'.....	2,655.10	373.14
34 41 13 00-0087 EA Internally Illuminated Street Name Sign, 1 Line, 12'.....	2,862.17	426.45
34 41 13 00-0088 EA Internally Illuminated Street Name Sign, 2 Line, 4'.....	2,681.87	213.22
34 41 13 00-0089 EA Internally Illuminated Street Name Sign, 2 Line, 6'.....	3,305.86	266.53
34 41 13 00-0090 EA Internally Illuminated Street Name Sign, 2 Line, 8'.....	3,583.26	319.84
34 41 13 00-0091 EA Internally Illuminated Street Name Sign, 2 Line, 10'.....	4,011.36	373.14
34 41 13 00-0092 EA Internally Illuminated Street Name Sign, 2 Line, 12'.....	4,318.90	426.45
34 41 13 00-0093 EA Photoelectric Controller, Multi-Volt.....	69.02	25.09
34 41 13 00-0094 EA Photoelectric Controller, 120 Volt.....	82.36	25.09
34 41 13 00-0095 EA Photoelectric Controller, 480 Volt.....	82.36	25.09
34 41 13 00-0096 EA Wi-Fi Communication Unit.....	902.65	106.61
34 41 13 00-0097 EA Wi-Fi Communication Unit Mounting Bracket.....	222.71	79.95
34 41 13 00-0098 EA Wi-Fi Communication Unit Power Supply / POE Injector.....	193.26	53.31
34 41 13 00-0099 EA Wi-Fi Communication Unit Packet.....	1,638.47	159.92
34 41 13 00-0100 LF Preemptor Detector Cable.....	1.90	
34 41 13 00-0101 EA Sno-Shoe Cable Storage Assembly.....	174.26	
34 41 13 00-0102 EA 16" Pedestal With Base Plate And Cover.....	1,057.76	147.34
34 41 13 00-0103 EA Vehicle Signal Face, LED, 1 - 12" Section.....	398.70	135.93
34 41 13 00-0104 EA Vehicle Signal Face, LED, 2 - 12" Sections.....	633.70	191.90
34 41 13 00-0105 EA Vehicle Signal Face, LED, 3 - 12" Sections.....	870.95	234.54
34 41 13 00-0106 EA Vehicle Signal Face, LED, 3 - 12" Sections, Middle Section Blank.....	833.27	234.54
34 41 13 00-0107 EA Vehicle Signal Face, LED, 4 - 12" Sections.....	1,087.50	261.20
34 41 13 00-0108 EA Vehicle Signal Face, LED, 5 - 12" Sections.....	1,282.74	277.19
34 41 13 00-0109 EA Vehicle Signal Face, LED, 5 - 12" Sections, Cluster.....	1,355.58	277.19
34 41 13 00-0110 EA Vehicle Signal Face, LED, 1 - 8" Section.....	379.86	135.93
34 41 13 00-0111 EA Vehicle Signal Face, LED, 2 - 8" Sections.....	596.03	191.90
34 41 13 00-0112 EA Vehicle Signal Face, LED, 3 - 8" Sections.....	779.27	234.54
34 41 13 00-0113 EA Vehicle Signal Face, LED, 2 - 8" Sections, 1 - 12" Section.....	825.74	234.54
34 41 13 00-0114 EA Vehicle Signal Face, LED, 2 - 8" Sections, 2 - 12" Sections.....	1,007.13	261.20
34 41 13 00-0115 EA Vehicle Signal Face, LED, 3 - 8" Sections, 1 - 12" Section.....	980.76	261.20
34 41 13 00-0116 EA Vehicle Signal Face, LED, 3 - 8" Sections, 2 - 12" Sections.....	1,144.61	277.19
34 41 13 00-0117 EA Vehicle Signal Face, LED, 3 - 8" Sections, 2 - 12" Sections In Cluster.....	1,203.63	277.19
34 41 13 00-0118 EA Vehicle Signal Face, LED, 3 - 12" Sections, Optically Programmed.....	1,649.54	234.54
34 41 13 00-0119 EA Vehicle Signal Face, LED, 4 - 12" Sections, Optically Programmed.....	2,133.58	261.20
34 41 13 00-0120 EA Vehicle Signal Face, LED, 5 - 12" Sections, Optically Programmed.....	2,752.03	277.19
34 41 13 00-0121 EA Vehicle Signal Face, LED, 5 - 12" Sections In Cluster, Optically Programmed.....	2,971.80	277.19
34 41 13 00-0122 EA Bracket Signal Mounting Assembly.....	371.45	106.61



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0123 EA Mast Arm Signal Mounting Assembly	670.08	213.22
34 41 13 00-0124 EA Top Pole Signal Mounting Assembly	237.78	79.95
34 41 13 00-0125 EA Pedestrian Signal Head	658.91	159.92
34 41 13 00-0126 EA Pedestrian Signal Insert	397.27	79.95
34 41 13 00-0127 EA Audible Pedestrian Signal	949.52	
34 41 13 00-0128 EA Junction Box, Pole Or Post Mounted	376.63	
34 41 13 00-0129 EA Pedestrian Push Button	351.02	
34 41 13 00-0130 EA Illuminated Sign, Bracket Mounted, Symbolic	2,654.59	
34 41 13 00-0131 EA Illuminated Sign, Mast Arm Mounted, Symbolic	2,778.85	
34 41 13 00-0132 EA Sign, Message, "BLANK OUT", Bracket Mounted	2,910.35	
34 41 13 00-0133 EA Sign, Message, "BLANK OUT", Mast Arm Mounted	3,100.18	
34 41 13 00-0134 EA Sign, Fiber Optic, Bracket Mounted	3,297.94	
34 41 13 00-0135 EA Sign, Fiber Optic, Mast Arm Mounted	3,491.80	
34 41 13 00-0136 EA 30' Type 15TS Signal And Lighting Standard	4,987.99	
Note: 8" diameter base and 3-7/8" diameter top. 0.1793" wall thickness.		
34 41 13 00-0137 EA 35' Type 21TS Signal And Lighting Standard	5,768.22	
Note: 9-3/8" diameter base and 3-9/16" diameter top. 0.1793" wall thickness.		
34 41 13 00-0138 EA 17' Type 18-2-100 Signal And Lighting Standard	2,836.39	
Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.1793" wall thickness.		
34 41 13 00-0139 EA 17' Type 18-3-100 Signal And Lighting Standard	3,137.63	
Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.2391" wall thickness.		
34 41 13 00-0140 EA 17' Type 18-4-100 Or 23-4-100 Signal And Lighting Standard	3,253.11	
Note: 12" diameter base and 9" diameter top. 0.2391" wall thickness.		
34 41 13 00-0141 EA 17' Type 23-3-100 Signal And Lighting Standard	3,253.11	
Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0142 EA 17' Type 23-4-100 Signal And Lighting Standard	3,313.74	
Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0143 EA 17' Type 27-3-100 Signal And Lighting Standard	3,616.88	
Note: 12-1/8" diameter base and 9-3/4" diameter top. 0.3125" wall thickness.		
34 41 13 00-0144 EA 17' Type 27-4-100 Signal And Lighting Standard	3,686.58	
Note: 13-1/2" diameter base and 9-3/4" diameter top. 0.3125" wall thickness.		
34 41 13 00-0145 EA 17' Type 28-5-100 Signal And Lighting Standard	3,829.51	
Note: 14" diameter base and 11-11/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0146 EA 17' Type 60-5-100 Signal And Lighting Standard	4,054.62	
Note: 16" diameter base and 13-11/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0147 EA 18'-6" Type 16-2-100 Or 16-3-100 Signal And Lighting Standard	3,013.60	
Note: 10-3/4" diameter base and 8-1/4" diameter top. 0.1793" wall thickness.		
34 41 13 00-0148 EA 30' Type 17-2-100 Or 17-3-100 Signal And Lighting Standard	5,304.30	
Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.1793" wall thickness.		
34 41 13 00-0149 EA 30' Type 19-2-100 Signal And Lighting Standard	5,936.91	
Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0150 EA 30' Type 19-3-100 Or 24-3-100 Signal And Lighting Standard	6,179.42	
Note: 12" diameter base and 7-7/8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0151 EA 30' Type 19-4-100 Or 24-4-100 Signal And Lighting Standard	6,179.42	
Note: 12" diameter base and 8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0152 EA 30' Type 26-3-100 Signal And Lighting Standard	6,943.29	
Note: 12-1/8" diameter base and 8" diameter top. 0.3125" wall thickness.		
34 41 13 00-0153 EA 30' Type 26-4-100 Signal And Lighting Standard	7,236.12	
Note: 13-1/2" diameter base and 8" diameter top. 0.3125" wall thickness.		
34 41 13 00-0154 EA 30' Type 29-5-100 Signal And Lighting Standard	7,543.57	
Note: 14" diameter base and 9-7/8" diameter top. 0.3125" wall thickness.		
34 41 13 00-0155 EA 30' Type 61-5-100 Signal And Lighting Standard	8,027.84	
Note: 16" diameter base and 11-7/8" diameter top. 0.3125" wall thickness.		
34 41 13 00-0156 EA 35' Type 17A-2-100 Signal And Lighting Standard	6,162.47	
Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.1793" wall thickness.		
34 41 13 00-0157 EA 35' Type 19A-2-100 Signal And Lighting Standard	6,900.52	
Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.2391" wall thickness.		
34 41 13 00-0158 EA 35' Type 19A-3-100 Or 24A-3-100 Signal And Lighting Standard	7,183.44	
Note: 12" diameter base and 7-3/16" diameter top. 0.2391" wall thickness.		
34 41 13 00-0159 EA 35' Type 19A-4-100 Or 24A-4-100 Signal And Lighting Standard	7,183.44	
Note: 12" diameter base and 7-5/16" diameter top. 0.2391" wall thickness.		
34 41 13 00-0160 EA 35' Type 26A-3-100 Signal And Lighting Standard	8,074.63	
Note: 12-1/8" diameter base and 7-5/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0161 EA 35' Type 26A-4-100 Signal And Lighting Standard	8,416.26	
Note: 13-1/2" diameter base and 7-5/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0162 EA 35' Type 29A-5-100 Signal And Lighting Standard	8,774.96	
Note: 14" diameter base and 9-3/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0163 EA 35' Type 61A-5-100 Signal And Lighting Standard	9,339.92	
Note: 16" diameter base and 11" diameter top. 0.3125" wall thickness.		
34 41 13 00-0164 EA 15' Steel Straight Mast Arm, MONOTUBE	2,119.00	
34 41 13 00-0165 EA 20' Steel Straight Mast Arm, MONOTUBE	2,227.21	
34 41 13 00-0166 EA 25' Steel Straight Mast Arm, MONOTUBE	2,378.24	
34 41 13 00-0167 EA 30' Steel Straight Mast Arm, MONOTUBE	3,166.90	
34 41 13 00-0168 EA 35' Steel Straight Mast Arm, MONOTUBE	3,793.81	
34 41 13 00-0169 EA 40' Steel Straight Mast Arm, MONOTUBE	4,067.12	
34 41 13 00-0170 EA 45' Steel Straight Mast Arm, MONOTUBE	4,479.99	
34 41 13 00-0171 EA 50' Steel Straight Mast Arm, MONOTUBE	5,083.73	
34 41 13 00-0172 EA 55' Steel Straight Mast Arm, MONOTUBE	5,804.91	
34 41 13 00-0173 EA 60' Steel Straight Mast Arm, MONOTUBE	6,295.61	
34 41 13 00-0174 EA 65' Steel Straight Mast Arm, MONOTUBE	7,298.27	
34 41 13 00-0175 EA 4' Steel Curved Luminaire Mast Arm	732.69	
For High Rise Arm, Add		56.33
For High Rise Straight Arm, Add		45.07

34 Transportation
34 40 Transportation Signaling and Control Equipment
34 41 Roadway Signaling and Control Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0176 EA 6' Steel Curved Luminaire Mast Arm	949.85	
For High Rise Arm, Add	75.31	
For High Rise Straight Arm, Add	60.25	
34 41 13 00-0177 EA 8' Steel Curved Luminaire Mast Arm	1,188.31	
For High Rise Arm, Add	94.29	
For High Rise Straight Arm, Add	75.43	
34 41 13 00-0178 EA 10' Steel Curved Luminaire Mast Arm.....	1,653.07	
For High Rise Arm, Add	110.86	
For High Rise Straight Arm, Add	88.69	
34 41 13 00-0179 EA 12' Steel Curved Luminaire Mast Arm.....	1,815.11	
For High Rise Arm, Add	130.74	
For High Rise Straight Arm, Add	104.59	
34 41 13 00-0180 EA 15' Steel Curved Luminaire Mast Arm.....	1,886.04	
For High Rise Arm, Add	145.80	
For High Rise Straight Arm, Add	116.64	
34 41 13 00-0181 EA 20' Steel Curved Luminaire Mast Arm.....	2,132.82	
For High Rise Arm, Add	174.12	
34 41 13 00-0182 EA 15' Tubular Aluminum Post	780.18	
34 41 13 00-0183 EA 17' Tubular Aluminum Post	833.82	
34 41 13 00-0184 EA 20' Tubular Aluminum Post	929.98	
34 41 13 00-0185 EA CUT-OFF POLE AND CAPPED	145.39	
34 41 13 00-0186 EA PAINT EXISTING SL/T'S CONTROLLER COMPLETE	43.10	
34 41 13 00-0187 EA PAINT EXISTING TS POST COMPLETE	206.10	
34 41 13 00-0188 EA 1 Channel Loop Detector Amp.....	1,103.65	
34 41 13 00-0189 EA 4 Channel Loop Detector Amp.....	2,062.67	
34 41 13 00-0190 EA FLASHING BEACON WITH DOWNLIGHT	1,643.45	
34 41 13 00-0191 EA Flashing Beacon, Bracket Mounted	595.52	
34 41 13 00-0192 EA Flashing Beacon, Mast Arm Mounted	595.52	
34 41 13 00-0193 EA Flashing Beacon, Solar Powered, Bracket Mounted.....	14,117.12	
34 41 13 00-0194 EA Wireless Access Point (Proxim Tsunami MP11 954-BSUR-US).....	2,315.68	
34 41 13 00-0195 EA Ruggedized Subscriber Unit (Proxim Tsunami MP11 954-SUA-US)	1,255.68	
34 41 13 00-0196 EA Smart Sensor HD (Wavetronix HD125)	6,570.35	
34 41 13 00-0197 EA Access Point (Sensys AP240-ES)	3,052.20	
Note: RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality.		
34 41 13 00-0198 EA Sensys Access Point AP240-ESC-VER - RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality with Integrated 1xRTT cellular data modem for data relay via CDMA.....	5,263.75	
34 41 13 00-0199 EA Mounting Kit for Access Points and Repeaters (KIT-MTG).....	199.83	
34 41 13 00-0200 EA Repeater (Sensys RP240-B-LL)	1,399.45	
Note: Nominal battery capacity of 171 Ah with seven (7) year battery-life.		
34 41 13 00-0201 EA Wireless Flush Mounted Sensor (Sensys VSN240-F)	646.31	
Note: Excludes coring.		
34 41 13 00-0202 EA Sensor Mounting Bracket, Cable, Lightning Surge Protector, Power Supply, Breaker, AC Surge Protector, Din Rail and Power Plug	1,628.13	
34 41 13 00-0203 EA Pole Base Foundation for 17-2-80, 17-2-100, 19-2-80 Poles.....	4,541.55	1.41
34 41 13 00-0204 EA Pole Base Foundation for 17-3-80, 19-3-80, 26-3-80 & 26-4-80 Poles.....	5,912.60	1.41
34 41 13 00-0205 EA Pole Base Foundation for Type 15 and 21 Poles.....	3,563.75	1.41
34 41 13 00-0206 EA Pole Base Foundation for 18-4-100, 19-4-100, 23-4-100, And 24-4-100 Poles.....	4,541.55	1.41
34 41 13 00-0207 EA Pole Base Foundation for 26-4-100 And 27-4-100 Poles.....	5,912.60	1.41
34 41 13 00-0208 EA Service Equipment Enclosure, Type III-AF	856.23	
34 41 13 00-0209 EA 12", 3 Section Signal, Mast Arm Mounted.....	1,191.42	
34 41 13 00-0210 EA 8", 3 Section Signal, Mast Arm Mounted.....	1,064.67	
34 41 13 00-0211 EA 12" FCV Visor	63.69	
34 41 13 00-0212 EA 8" FCV Visor	46.94	
34 41 13 00-0213 EA Eggcrate Visor	61.61	
34 41 13 00-0214 EA Pedestrian H/M.....	740.69	
34 41 13 00-0215 EA Pedestrian Audio.....	802.38	
34 41 13 00-0216 EA Adjustable Pushbutton	217.03	
34 41 13 00-0217 EA ADA Cap And Switch	263.12	
34 41 13 00-0218 EA 3 Section 12" Backplate	105.46	
34 41 13 00-0219 EA 3 Section 12" MAS Mount Backplate	155.70	
34 41 13 00-0220 EA 3 Section 8" Backplate.....	86.12	
34 41 13 00-0221 EA 12" Red LED Lenses.....	176.76	
34 41 13 00-0222 EA 12" Amber LED Lenses.....	188.28	
34 41 13 00-0223 EA 12" Green LED Lenses	314.70	
34 41 13 00-0224 EA 12" Red Arrow.....	175.83	
34 41 13 00-0225 EA 12" Amber Arrow.....	167.39	
34 41 13 00-0226 EA 12" Green Arrow	241.34	
34 41 13 00-0227 EA 8" Red	174.12	
34 41 13 00-0228 EA 8" Amber	167.89	
34 41 13 00-0229 EA 8" Green.....	198.64	
34 41 13 00-0230 EA Hand/Man	296.71	
34 41 13 00-0231 EA Frameworks, 8" TV-1-T.....	362.46	
34 41 13 00-0232 EA Frameworks, 8" TV-2-T.....	407.23	
34 41 13 00-0233 EA Frameworks, MAT MT	111.26	
34 41 13 00-0234 EA Frameworks, MAS MT	120.21	
34 41 13 00-0235 EA Frameworks, 3W PT TC	270.32	
34 41 13 00-0236 EA Frameworks, 2W PT TC	241.09	
34 41 13 00-0237 EA Frameworks, 2W SM TC.....	229.15	
34 41 13 00-0238 EA Frameworks, SV-1	154.21	
34 41 13 00-0239 EA Frameworks, TV-1	149.73	
34 41 13 00-0240 EA Type III Service Pedestal	2,729.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0241 EA Single Fuse Holder	29.80	
34 41 13 00-0242 EA Double Fuse Holder	67.39	
34 41 13 00-0243 EA Pullbox, 1-1/2" x 20" x 14"	69.39	
34 41 13 00-0244 EA Pullbox, 5" x 28" x 18"	92.15	
34 41 13 00-0245 EA Pullbox, 6" x 36" x 23"	119.23	
34 41 13 00-0246 EA Pullbox Lids, FL9D	66.98	
34 41 13 00-0247 EA Pullbox Lids, FL30D	121.95	
34 41 13 00-0248 EA Pullbox Lids, FL36D	35.84	
34 41 13 00-0249 EA LED Enhanced Pedestrian Crossing Symbol Sign	1,170.75	88.22
Note: 2 required per system.		
34 41 13 00-0250 EA 42" Height, 8-1/2" Diameter Automatic Bollard Activation System	3,456.21	529.34
Note: 4 required per system.		
34 41 13 00-0251 EA Power Control Unit With Enclosure (Solar)	11,333.57	352.89
Note: LightGuard Systems solar power equipment Includes: one solar array consisting of 1 Siemens SP70 solar power module (21" x 47" to be pole mounted, pole not included), #14 AWG solar tray cable, mounting hardware, one enclosure (16-1/2" width x 27-1/2" height x 15" depth), two 12V 80AH deep cycle gel cell batteries and a solar power control unit (PCU).		
34 41 13 00-0252 EA Power Control Unit With Enclosure (A/C)	7,337.79	352.89
34 41 13 00-0253 EA Push Button Assembly With Sign	725.94	176.45
34 41 13 00-0254 EA Advanced Warning Signs	1,339.40	176.45
34 41 13 00-0255 EA 14' High Galvanized Steel Traffic Signal Pole	2,535.15	
Note: For mast arm.		
34 41 13 00-0256 EA 21' High Galvanized Steel Traffic Signal Pole	3,780.29	
Note: For mast arm.		
34 41 13 00-0257 EA 22' High Galvanized Steel Traffic Signal Pole	3,920.87	
Note: For mast arm and luminare arm.		
34 41 13 00-0258 EA 30' High Galvanized Steel Traffic Signal Pole, Tapered, For >55' Mast Arm	5,300.63	
Note: For mast arm and luminare arm.		
34 41 13 00-0259 EA 32' High Galvanized Steel Traffic Signal Pole, Tapered, For Up To 55' Mast Arm	5,547.59	
Note: For mast arm and luminare arm.		
34 41 13 00-0260 EA 30' High Galvanized Steel Traffic Signal Pole, Tapered, For Up To 55' Mast Arm	4,405.39	
34 41 13 00-0261 EA 30' High Galvanized Steel Traffic Signal Pole, Octafute	3,947.64	
34 41 13 00-0262 EA 30' (High Spun Aluminum Traffic Signal Pole, Tapered	3,255.28	
34 41 13 00-0263 EA Type 26-6-70 Signal Pole With 55' SMA And 20' LMA	14,856.75	
34 41 13 00-0264 EA Type 29-6-70 Signal Pole With 65' SMA And 20' LMA	17,254.34	
34 41 13 00-0265 Traffic Signal Cable <small>(34 41 13)</small>		
34 41 13 00-0266 LF 16 AWG, 2-Conductor, Solid, Traffic Signal Cable	1.65	0.75
34 41 13 00-0267 LF 16 AWG, 3-Conductor, Solid, Traffic Signal Cable	1.82	0.80
34 41 13 00-0268 LF 16 AWG, 4-Conductor, Solid, Traffic Signal Cable	1.99	0.85
34 41 13 00-0269 LF 16 AWG, 5-Conductor, Solid, Traffic Signal Cable	2.16	0.91
34 41 13 00-0270 LF 16 AWG, 6-Conductor, Solid, Traffic Signal Cable	2.35	0.95
34 41 13 00-0271 LF 16 AWG, 8-Conductor, Solid, Traffic Signal Cable	2.70	1.06
34 41 13 00-0272 LF 16 AWG, 10-Conductor, Solid, Traffic Signal Cable	3.15	1.22
34 41 13 00-0273 LF 16 AWG, 12-Conductor, Solid, Traffic Signal Cable	3.61	1.38
34 41 13 00-0274 LF 16 AWG, 16-Conductor, Solid, Traffic Signal Cable	4.21	1.54
34 41 13 00-0275 LF 16 AWG, 20-Conductor, Solid, Traffic Signal Cable	4.91	1.70
34 41 13 00-0276 LF 14 AWG, 2-Conductor, Solid, Traffic Signal Cable	1.69	0.75
34 41 13 00-0277 LF 14 AWG, 3-Conductor, Solid, Traffic Signal Cable	1.88	0.80
34 41 13 00-0278 LF 14 AWG, 4-Conductor, Solid, Traffic Signal Cable	2.07	0.85
34 41 13 00-0279 LF 14 AWG, 5-Conductor, Solid, Traffic Signal Cable	2.25	0.91
34 41 13 00-0280 LF 14 AWG, 6-Conductor, Solid, Traffic Signal Cable	2.46	0.95
34 41 13 00-0281 LF 14 AWG, 8-Conductor, Solid, Traffic Signal Cable	2.84	1.06
34 41 13 00-0282 LF 14 AWG, 10-Conductor, Solid, Traffic Signal Cable	3.33	1.22
34 41 13 00-0283 LF 14 AWG, 12-Conductor, Solid, Traffic Signal Cable	3.82	1.38
34 41 13 00-0284 LF 14 AWG, 16-Conductor, Solid, Traffic Signal Cable	4.49	1.54
34 41 13 00-0285 LF 14 AWG, 20-Conductor, Solid, Traffic Signal Cable	5.29	1.70
34 41 13 00-0286 LF 12 AWG, 2-Conductor, Solid, Traffic Signal Cable	1.78	0.75
34 41 13 00-0287 LF 12 AWG, 3-Conductor, Solid, Traffic Signal Cable	2.02	0.80
34 41 13 00-0288 LF 12 AWG, 4-Conductor, Solid, Traffic Signal Cable	2.25	0.85
34 41 13 00-0289 LF 12 AWG, 5-Conductor, Solid, Traffic Signal Cable	2.46	0.91
34 41 13 00-0290 LF 12 AWG, 6-Conductor, Solid, Traffic Signal Cable	2.72	0.95
34 41 13 00-0291 LF 12 AWG, 8-Conductor, Solid, Traffic Signal Cable	3.18	1.06
34 41 13 00-0292 LF 12 AWG, 10-Conductor, Solid, Traffic Signal Cable	3.76	1.22
34 41 13 00-0293 LF 12 AWG, 12-Conductor, Solid, Traffic Signal Cable	4.33	1.38
34 41 13 00-0294 LF 12 AWG, 16-Conductor, Solid, Traffic Signal Cable	5.17	1.54
34 41 13 00-0295 LF 12 AWG, 20-Conductor, Solid, Traffic Signal Cable	6.19	1.70
34 41 13 00-0296 School Zone Flasher Beacons <small>(34 41 13)</small>		
34 41 13 00-0297 EA One 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly	3,423.99	160.35
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41 13 00-0298 EA One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly	3,447.85	160.35
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41 13 00-0299 EA Two 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly	3,852.85	160.35
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.		

34 Transportation
34 40 Transportation Signaling and Control Equipment
34 41 Roadway Signaling and Control Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0300 EA Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	3,929.19	160.35
34 41 13 00-0301 EA 10" Digit Radar Display, One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 80 Watt tilted solar panel, solar regulator, and solid state flasher.	7,153.21	160.35
34 41 13 00-0302 EA 10" Digit Radar Display, Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	7,452.37	160.35
34 41 13 00-0303 Traffic Light Control Synchronization ^(34 41 13)		
34 41 13 00-0304 EA ENCOM COMPAK IP Radio/Wireless Ethernet Transceiver, 900 MHz FHSS 1 Watt output power and 128-bit data encryption with 1.1Mbps Throughput.....	3,006.16	
34 41 13 00-0305 EA ENCOM 5200R 900 MHz Serial Radio Modem, contains one Serial (RS-232 or RS-485) interface and 170/TS1/TS2 detector rack (EPR-5200R)	2,268.63	
34 41 13 00-0306 EA ENCOM Dual 2.4/2.4 GHz Broadband Radio with Integrated Antenna (COMMPAKBB24/24).....	5,373.12	
34 41 13 00-0307 EA 5.8 GHz Broadband Radio with Integrated Antenna (COMMPAKBB58INT)	3,596.23	
34 41 13 00-0308 EA 2.4 GHz Broadband Radio with Integrated Antenna (COMMPAKBB24INT)	3,596.23	
34 41 13 00-0309 EA Solar Cabinet Assembly.....	9,967.06	
34 41 13 00-0310 EA Data Controller Interface Cable Assembly	412.86	
34 41 13 00-0311 EA 900 MHZ Splitter.....	454.24	
34 41 13 00-0312 EA 900 MHZ Surge Suppressor.....	160.92	
34 41 13 00-0313 EA Surge-Radio Lead in Cable.....	101.08	
34 41 13 00-0314 EA 12DB GAIN YAGI Antenna.....	488.14	
34 41 13 00-0315 EA PELCO Antenna Mounting Bracket.....	342.59	
34 41 13 00-0316 MLF Coaxial Cable, LMR-400.....	2,458.03	
34 41 13 00-0317 EA Perle 16 Port Serial Server.....	2,864.94	
34 41 13 00-0318 EA Serial to Ethernet Card	1,409.15	
34 41 13 00-0319 EA 404 Stand Alone Modem (GDI 404).....	1,240.97	
34 41 13 00-0320 Traffic Signal Controls ^(34 41 13)		
34 41 13 00-0321 EA Master Card for Type 2070 or NEMA TS2 traffic controllers (CC-TS2).....	1,133.46	
34 41 13 00-0322 EA Extension Card for Type 2070 or NEMA traffic controllers (EX-TS2).....	433.53	
34 41 13 00-0323 EA AccessBox for contract closure master card (CC-ACC).....	155.36	
34 41 13 00-0324 EA Flush Mount Wireless Sensor (ATT VSN240-F)	602.78	
34 41 13 00-0325 EA Flush Mount Wireless Sensor (Speed & Count VSN240-F).....	602.78	
34 41 13 00-0326 EA Epoxy Tube for Installation of Wireless Sensor (VSN240-EPX)	93.81	
34 41 13 00-0327 EA SNAPS License for each enabled AP (SNAPS-PER-AP)	251.24	
34 41 13 00-0328 Traffic Signal Devices ^(34 41 13)		
34 41 13 00-0329 EA 12" Polycarbonate Signal Head Housing (McCain)	589.12	79.41
34 41 13 00-0330 EA 16" Polycarbonate Pedestrian Signal Housing (McCain)	311.77	61.76
34 41 13 00-0331 EA Pedestrian Push Button Cap & Switch (McCain M31334)	272.41	114.69
34 41 13 00-0332 EA Pedestrian Push Button Frame Assembly 4" Diameter Pole (McCain M19712)	378.28	167.62
34 41 13 00-0333 EA Pedestrian Push Button Frame Assembly 2" Diameter Pole (McCain M30793)	292.63	132.33
34 41 13 00-0334 EA 16 Channel Conflict Monitor (McCain 2010 ECLIP).....	851.61	57.35
34 41 13 00-0335 EA LED Countdown Head (McCain GTX PS7-CFF1-VLA).....	180.74	22.06
34 41 13 00-0336 EA Traffic signal Video Detection Camera (Iteris RZ4-awdr).....	1,909.99	97.04
34 41 13 00-0337 EA Camera processor card (Iteris Edge Connect).....	4,316.56	141.15
34 41 13 00-0338 EA Wireless Broadband Radio (Encom BB58).....	4,075.68	132.33
34 41 13 00-0339 EA 24-port Gigabit and 4-port 1G/10G SFP+ Ethernet Switch (Etherwan EX77900)	2,702.22	105.86
34 41 13 00-0340 EA Power Adapter (Mean Well DR-120-48)	110.93	33.08
34 41 13 00-0341 LF 14/1 Cal Trans Type 2 Inductive Traffic Detection Loops (Advanced Digital Cable 8452).....	0.72	
34 41 13 00-0342 EA Radar Detection System (Wavetronix Matrix).....	7,978.65	335.25
34 41 13 00-0343 EA Pedestrian Audio Push Button (Polara APS)	274.96	83.81
34 41 13 00-0344 EA Opticom Infrared System - Detector (GTT 711)	637.20	78.69
34 41 13 00-0345 EA Opticom Infrared System - Detector (GTT 721)	712.91	88.04
34 41 13 00-0346 EA Opticom Infrared System - Detector (GTT 722)	992.94	122.63
34 41 13 00-0347 EA Opticom Multimode Phase Selector (GTT 764)	3,104.48	72.48
34 41 13 00-0348 LF Opticom GPS Installation Cable (GTT 1070)	0.84	
34 41 13 00-0349 EA Precast Concrete Traffic Pull Box, 5-T, with steel frame & diamond steel plate lid ("Traffic Signal") (Jensen Precast HT1324).....	534.57	
34 41 13 00-0350 EA Precast Concrete Traffic Pull Box, 6-T, with steel frame & diamond steel plate lid ("Traffic Signal") (Jensen Precast HT1730).....	566.81	
34 41 13 00-0351 EA UPS Module (Alpha Technologies FXM 350)	858.11	48.25
34 41 13 00-0352 EA Web Connected Relay Switch (Control by Web X-301 WebRelay-Dual)	283.76	39.70
34 41 13 00-0353 LF Fiber optic cable, 72 strand, single mode, riser non-plenum jacket (Optical Cable Corp DX072DSLX9KR)	6.05	0.40
34 41 13 00-0354 LF Fiber optic cable, 12 strand, multi mode, riser non-plenum jacket (Superior Essex W30126G01 MM Fiber)	1.58	0.35
34 41 13 00-0355 EA 12" LED Signal Module, Tinted Lens, Red (GE DR6-RTFB-VLA).....	96.29	39.70
34 41 13 00-0356 EA 12" LED Signal Module, Tinted Lens, Yellow (GE DR6-YTFB-VLA).....	96.29	39.70
34 41 13 00-0357 EA 12" LED Signal Module, Tinted Lens, Green (GE DR6-GTFB-VLA).....	96.29	39.70
34 41 13 00-0358 EA 12" LED Signal Module, Clear Lens, Red (GE DR6-RCFB-VLA).....	96.29	39.70
34 41 13 00-0359 EA 12" LED Signal Module, Clear Lens, Yellow (GE DR6-YCFB-VLA).....	96.29	39.70
34 41 13 00-0360 EA 12" LED Signal Module, Clear Lens, Green (GE DR6-GCFB-VLA).....	96.29	39.70
34 41 13 00-0361 EA LED Countdown Pedestrian Signal, 16" x 18" (GE PS7-CFF1-VLA)	276.96	101.45
34 41 13 00-0362 EA EOC Switch (Actellis ML688).....	3,216.83	313.63



Transportation	34
Transportation Signaling and Control Equipment	34 40
Roadway Signaling and Control Equipment	34 41

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MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
34 41 13 00-0363	EA	Ethernet Extender Kit (ENABLE-IT 860 Pro)	859.86	72.38
34 41 13 00-0364	EA	#5 pull box lid (Concrete, Bolt down) (Christy N30T)	75.11	18.41
34 41 13 00-0365	EA	#5 pull box lid (Steel, Bolt down) (Christy N30-61J)	249.13	26.65
34 41 13 00-0366	EA	#6 pull box lid (Concrete, Bolt down) (Christy N36T)	91.16	18.41
34 41 13 00-0367	EA	#6 pull box lid (Steel, Bolt down) (Christy N36-61J)	298.83	26.65
34 41 13 00-0368	EA	Battery Back-up (Alpha FXM110 UPS)	2,024.59	96.51
34 41 13 00-0369	EA	Battery (Alpha AlphaCell 220GXL)	292.46	24.13
34 41 13 00-0370	EA	BBS Cabinet (Alpha SE48-1616)	2,387.94	217.13
34 41 13 00-0371	LF	Fiber 72 Strands (Corning 072ZU4-T3F22D20)	4.51	1.88
34 41 13 00-0372	LF	Fiber 12 Strands (Corning 012ZU4-T3F22D20)	2.00	0.87
34 41 13 00-0373	EA	FDU & Splice Cassette with LC connector type (Corning CCH-01U, CCH-CS12-B3-P00RE)	744.63	72.38
34 41 13 00-0374	EA	12" THREE SECTION HOUSING (McCain M22435)	511.67	48.25
34 41 13 00-0375	EA	12" FOUR SECTION HOUSING (McCain M30883)	663.70	72.38
34 41 13 00-0376	EA	12" FIVE SECTION HOUSING (McCain M31769)	767.49	72.38
34 41 13 00-0377	EA	12" CLUSTER, WITHOUT MAS (McCain M30987)	819.39	72.38
34 41 13 00-0378	EA	CMU DATAKEY PROGRAMMER, EDI MONITORKEY-USB (McCain M84650)	511.67	48.25
34 41 13 00-0379	EA	NAVIGATOR IN2 APS 2 WIRE PPB #IN250N0-B (Polara IN250N0-B)	511.67	48.25
34 41 13 00-0380	EA	NAVIGATOR IN2 CONTROLLER RACK MOUNT iCCU-C (Polara iCCU-C)	2,932.51	168.87
34 41 13 00-0381	EA	NAVIGATOR IN2 INTERCONNECT BOARD IN2-ICB-C (Polara IN2-ICB-C)	152.04	24.13
34 41 13 00-0382	EA	NAVIGATOR IN2 POWER SUPPLY IN2-150-WPS-C (Polara IN2-150-WPS-C)	152.04	24.13
34 41 13 00-0383	EA	NAVIGATOR IN2 CONNECTOR IN2-C4CABLE-C (Polara IN2-c4cable-C)	331.86	36.19
34 41 13 00-0384	EA	12" Visor (McCain M19302)	29.68	9.65
34 41 13 00-0385	EA	LS,2202-HV (iPack), HDSP/FLASHER UNIT,ATC (McCain M36256)	279.96	36.19
34 41 13 00-0386	EA	SIU,2218 SERIAL INTERFACE UNIT,ATC (McCain M36258)	459.77	48.25
34 41 13 00-0387	EA	CMU,2212-HV (ip),32 CH W/ ETHERNET PORT, ATC (McCain M36259)	845.33	72.38
34 41 13 00-0388	EA	ATCC-HV, INPUT ASSEMBLY, 24 CH W/ CONN IDC26 (McCain M54487)	459.77	48.25
34 41 13 00-0389	EA	HARN, SB1/SB2,COMM EXTENSION (McCain M48062)	100.15	24.13
34 41 13 00-0390	EA	ATCC-HV/LV, FITA ASSEMBLY, 24CH (McCain M54489)	279.96	36.19
34 41 13 00-0391	EA	CMU DATAKEY PROGRAMMER, EDI MONITORKEY-USB (McCain M84650)	511.67	48.25
34 41 13 00-0392	EA	242L ISOLATOR, EDI (McCain M56812)	100.15	24.13
34 41 13 00-0393	EA	EDI 222 DETECTOR (McCain M11407)	126.09	24.13
34 41 13 00-0394	EA	ALPHA BBS, INVERTER & BYPASS SWITCH (McCain M59763)	2,005.68	120.63
34 41 13 00-0395	EA	GENERATOR SWITCH AND PLUG ASS'Y FOR ALPHA BBS (McCain M68752-2)	345.61	48.25
34 41 13 00-0396	EA	BBS BATTERY, ALPHACELL 165GXL (McCain M59884)	459.77	48.25
34 41 13 00-0397	EA	Battery Backup Cabinet Anonidize 44x26x12 (McCain M64438A)	949.12	72.38

34 41 16 Traffic Control Equipment (34 41)

34 41 16 00-0001 Transportation Control Equipment (34 41 16)

34 41 16 00-0002	EA	CONTROLLER/SL/POLE MTD/1-PHASE/100A	6,945.64	736.89
34 41 16 00-0003	EA	CONTROLLER/SL/ON EMB POLE 1-PH/100A	7,030.54	779.32
34 41 16 00-0004	EA	CONTROLLER, SL, 3-PHASE, 100A, BASE MTD	8,529.82	788.50
34 41 16 00-0005	EA	CONTROLLER, SL, 3-PHASE, 200A, BASE MTD	10,144.73	957.37
34 41 16 00-0006	EA	CONTROLLER/SL/BASE MTD/1-PHASE/100A	8,264.82	472.29
34 41 16 00-0007	EA	CONTROLLER/SL/BASE MTD/1-PHASE/200A	9,161.72	517.06
34 41 16 00-0008	EA	CONTROLLER, TS, 12-BAY, "M" CABINET	15,081.43	812.91
34 41 16 00-0009	EA	CONTROLLER, TS, 12-BAY, "P" CABINET	16,060.66	900.87
34 41 16 00-0010	EA	CONTROLLER, TS, 12-BAY "P" CABINET With FO MASTER	22,911.94	1,012.81
34 41 16 00-0011	EA	CONTROLLER, TS, 16-BAY, "P" CABINET	18,186.23	959.50
34 41 16 00-0012	EA	CONTROLLER, PEDESTRIAN CROSSING, ADD-IN	556.65	112.69
34 41 16 00-0013	EA	CONCRETE BLOCK PEDESTAL	647.73	169.19
34 41 16 00-0014	WK	MAINTAIN EXIST TS INSTALLATION	268.21	134.10
34 41 16 00-0015	EA	INST SIGN BOARDS, ST. NAME	469.54	223.14
34 41 16 00-0016	EA	F.O. ADD-IN FOR LOCAL CONTROLLER	7,632.48	301.99
34 41 16 00-0017	EA	F.O. ADD-IN FOR MASTER CONTROLLER	18,378.36	453.11

34 41 16 00-0018 Transportation Cabinets (34 41 16)

34 41 16 00-0019 Transportation Cabinets (Dudlik Enclosures) (34 41 16 00-0018)

34 41 16 00-0020	EA	50" x 30" x 17", Aluminum CCTV Cabinet (Dudlik Enclosures)	1,633.72	144.75
34 41 16 00-0021	EA	66" x 48" x 30", Quad Door, 19" Racks, Aluminum CCTV Cabinet (Dudlik Enclosures)	6,728.17	144.75
34 41 16 00-0022	EA	46" x 30" x 20", 19" Rack, Aluminum TTS Cabinet (Dudlik Enclosures)	1,532.06	144.75
34 41 16 00-0023	EA	50" x 30" x 17", Aluminum ITS Controller Cabinet (Dudlik Enclosures)	1,633.72	144.75
34 41 16 00-0024	EA	60" x 50" x 36", Quad Door, 19" Racks, Aluminum Fiber Cross Connect Cabinet (Dudlik Enclosures)	6,954.09	144.75
34 41 16 00-0025	EA	55" x 16" x 17", Aluminum ITS Meter Cabinet (Dudlik Enclosures)	1,080.22	144.75

34 41 16 00-0026 Transportation Cabinets (APX Enclosures) (34 41 16 00-0018)

34 41 16 00-0027	EA	28" Wide, 16" Depth, 46" High, ITS Controller Cabinet (APX Enclosure LS503017)	3,885.21	168.87
Note: 3R, single door, pad mounted aluminum enclosure. Includes natural finish, aluminum back panel, light kit with door switch, thermostatically controlled fan kit, heater kit with thermostat, one aluminum moveable shelf, and one aluminum moveable shelf with slide out drawer. Excludes pad.				

34 41 16 00-0028 Transportation Cabinets (Transportation Control Systems) (34 41 16 00-0018)

34 41 16 00-0029	EA	30" Wide, 16" Depth, 48" High, Type 4, Aluminum Transportation Cabinet With Door Vents (Transportation Control Systems B483016B2D2S)	1,543.60	144.75
34 41 16 00-0030	EA	30" Wide, 16" Depth, 60" High, Type 4 Stretch, Aluminum Transportation Cabinet With Door Vents (Transportation Control Systems B603016B2D2S)	1,911.25	154.41

34 Transportation

34 40 Transportation Signaling and Control Equipment

34 41 Roadway Signaling and Control Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 16 00-0031 Transportation Cabinets (McCain) <small>(34 41 16 00-0018)</small>		
34 41 16 00-0032 EA 24" Wide, 30" Depth, 67" High, ATC Cabinet (McCain 352) Note: 3R, single door, pad mounted anodized aluminum enclosure. Excludes pad.	7,021.71	168.87
34 41 16 00-0033 EA 24" Wide, 30" Depth, 67" High, ATC Cabinet (McCain 332) Note: 3R, single door, pad mounted anodized aluminum enclosure. Excludes pad.	7,021.71	168.87
34 41 16 00-0034 EA ATC ColdFire Controller (McCain 170)	3,652.68	
34 41 16 00-0035 Traffic Control Equipment <small>(34 41 16)</small>		
34 41 16 00-0036 EA ProStar PWM Charge Controller 12/24V, 15A Without Display (Morningstar PS-15)	201.95	48.25
34 41 16 00-0037 EA ProStar PWM Charge Controller 12/24V, 15A With Display (Morningstar PS-15M)	259.08	48.25
34 41 16 00-0038 EA ProStar PWM Charge Controller 12/24V, 30A With Display (Morningstar PS-30M)	295.36	48.25
34 41 16 00-0039 EA ProStar PWM Charge Controller 12/24V, 30A Without Display (Morningstar PS-30)	233.67	48.25
34 41 16 00-0040 MLF 10 AWG, 2 Conductor, 600V, Type TC, Non-Shielded Control Tray Cable (EnerSys A51002R)	1,869.25	529.34
34 41 16 00-0041 EA Vehicle Detector, Circuit Breaker, 0.2 Amp, Wavetronix SmartSensor (Wavetronix WX-CLK-210-02)	83.09	24.13
34 41 16 00-0042 EA Vehicle Detector, 2.4 GHz 12 dBi Omni Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0141)	350.75	53.44
34 41 16 00-0043 EA Detection System, Vehicle, Two Sensor Preassembled Backplate, with AC Power (Wavetronix WX-SSB01-0003)	1,783.80	160.35
34 41 16 00-0044 EA Vehicle Detector, Power Supply, 24V DC 4 A (Wavetronix WX-CLK-204)	321.13	24.13
34 41 16 00-0045 EA Vehicle Detector, 4-Channel Contact Matrix Closure, Rack Card (Wavetronix WX-CLK-114)	454.67	24.13
34 41 16 00-0046 EA 4 Channel Din-Rail Contact Closure Module (Wavetronix WX-CLK-104)	531.96	48.25
34 41 16 00-0047 EA Detection System, Vehicle, Four Sensor Preassembled Backplate, With AC Power, Wavetronix Smartsensor (Wavetronix WX-SS-B01-0005)	2,256.33	48.25
34 41 16 00-0048 EA 50' Wavetronix Wiring Whip (Wavetronix WX-SS-708-060)	320.69	160.35
34 41 16 00-0049 EA 60', 6-Conductor Power And Communication Cable With Connector (Wavetronix WX-SS-704-060)	341.44	40.08
34 41 16 00-0050 EA 900 MHz 5 dBi Omni Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0119)	304.30	53.44
34 41 16 00-0051 EA 900 MHz 9 dBi Yagi Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0120)	199.80	53.44
34 41 16 00-0052 EA Wavetronix Click 201 AC To DC Power Converter (Wavetronix WX-CLK-201)	205.01	24.13
34 41 16 00-0053 EA 24V DC 2 A, Wavetronix Smartsensor (Wavetronix WX-CLK-202)	245.65	24.13
34 41 16 00-0054 EA Coax Surge N-Type, Wavetronix SmartSensor (Wavetronix WX-CLK-250)	117.92	24.13
34 41 16 00-0055 EA Power, RS232/RS485 Surge, Wavetronix Smartsensor (Wavetronix WX-CLK-200)	326.94	24.13
34 41 16 00-0056 EA Two Sensor Surge, Wavetronix SmartSensor (Wavetronix WX-CLK-222)	367.58	24.13
34 41 16 00-0057 EA RS232 to RS485 Converter, Wavetronix SmartSensor (Wavetronix WX-CLK-304)	454.67	24.13
34 41 16 00-0058 EA Wavetronix Click 301 Serial To Ethernet Converter (Wavetronix CLK-301)	48.25	24.13
34 41 16 00-0059 EA Sensor Mount, Heavy Duty, 6 inch, 2 Axis Aluminum Bracket (Wavetronix WX-SS-611)	310.11	53.44
34 41 16 00-0060 MLF LF, UV Resistant Polyethylene Jacketed Cable (Times Microwave Systems LMR-400)	2,159.54	529.34
34 41 16 00-0061 EA N-Male (Plug) Clamp Connector (Times Microwave Systems TC-400-NMC)	41.72	14.48
34 41 16 00-0062 EA Spectra IV SE Back Box, Heavy-Duty, Pendant Mount (Pelco BB4HD-PG-E)	606.18	57.90
34 41 16 00-0063 EA Spectra III Clear Pendant Lower Dome, Heavy Duty (Pelco Id53hdpb-1)	596.40	72.38
34 41 16 00-0064 EA 24" Height, Ceiling/Pedestal Mount For Pan/Tilts Or Enclosures (Pelco pm2000)	184.77	24.13
34 41 16 00-0065 EA 10" Height, Ceiling/Pedestal Mount For Pan/Tilts Or Enclosures (Pelco pm2010)	132.93	24.13
34 41 16 00-0066 EA 24 VAC, Remote Data Port (Pelco IPS-RDPE-2)	272.30	24.13
34 41 16 00-0067 EA Spectra IV Remote Monitor Interface Cable (Pelco IPS-CABLE)	136.44	24.13
34 41 16 00-0068 EA 120 Volt AC, 12.5 Watt, 12 Volt DC, 600 mA, External Plug In Power Supply (Triad Magnetics WDU12-600)	61.46	24.13
34 41 16 00-0069 EA Control Area Network Direct Current Input/Output (Daktronics 0P-1247-0009)	444.87	48.25
Note: Input/Output for sign peripherals.		
34 41 16 00-0070 EA Control Area Network Direct Current Input/Output (Daktronics 0P-1247-4009)	444.87	48.25
Note: Input/Output for sign peripherals.		
34 41 16 00-0071 EA Control Area Network Distribution Board (Daktronics 0P-1248-0005)	822.26	48.25
Note: Signal distribution point between sign modules and peripherals, and VFC-3000 Field Controller.		
34 41 16 00-0072 EA Control Area Network Distribution Board (Daktronics 0P-1248-0011)	822.26	48.25
Note: Signal distribution point between sign modules and peripherals, and VFC-3000 Field Controller.		
34 41 16 00-0073 EA Control Area Network Temperature And Light Sensor (Daktronics 0P-1247-0019)	293.91	48.25
Note: Measures temperature and detects light and reports to CAN Dist Board.		
34 41 16 00-0074 EA Control Area Network Temperature, Light Sensor, And Humidity (Daktronics 0P-1247-0015)	410.03	48.25
Note: Measures temperature and detects light and humidity and reports to CAN Dist board.		
34 41 16 00-0075 EA Control Area Network Temperature, Light Sensor, And Humidity (Daktronics 0P-1247-0021)	410.03	48.25
Note: Measures temperature and detects light and humidity and reports to CAN Dist board.		
34 41 16 00-0076 EA Control Area Network Temperature And Light Sensor (Daktronics 0P-1247-0003)	340.36	48.25
Note: Measures temperature and detects light and reports to CAN Dist board.		
34 41 16 00-0077 EA Controller, VFC-3000 Field Controller NTCIPv1 (Daktronics 0A-1248-0016)	5,611.38	193.00
Note: The "brains" of the sign. Receives information from NTCIP central software and reports status and diagnostic information.		
34 41 16 00-0078 EA DC/DC, Direct Current to Direct Current Converter (Daktronics 0P-1247-0025)	245.65	24.13
Note: Takes 24VDC input from two power supplies and outputs 9VDC for CAN Dist Board, providing power redundancy.		
34 41 16 00-0079 EA Driver (Daktronics 0P-1100-0026)	460.39	38.60
Note: Driver takes data packets from Control Area Network to determine what pixels (LED clusters) are ON and which are OFF.		
34 41 16 00-0080 EA External Temp Sensor (Daktronics 0P-1100-0014)	408.14	38.60
Note: Sensor that measures ambient temperature.		
34 41 16 00-0081 EA Internal Temp Sensor (Daktronics 0P-1100-0038)	454.59	38.60
Note: Sensor that measures sign internal temperature.		
34 41 16 00-0082 EA Light Level Detector (Daktronics 0P-1151-0002)	280.41	38.60
Note: The values from the light sensors are used by the sign controller to determine the appropriate sign brightness.		
34 41 16 00-0083 EA Module (Daktronics 0A-1253-0608)	822.26	48.25
Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.		
34 41 16 00-0084 EA Module (Daktronics 0A-1253-3018)	1,025.47	48.25
Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.		
34 41 16 00-0085 EA Module (Daktronics 0A-1266-5002)	909.35	48.25
Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 16 00-0086 EA Module (Daktronics 0A-1332-6252)..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,257.71	48.25
34 41 16 00-0087 EA Module (Daktronics 0A-1332-6455)..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,025.47	48.25
34 41 16 00-0088 EA Module (Daktronics 0A-1332-6654)..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,025.47	48.25
34 41 16 00-0089 EA Module (Daktronics 0P-1332-3015)..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	560.99	48.25
34 41 16 00-0090 EA Module (Daktronics 0P-1332-4116)..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	560.99	48.25
34 41 16 00-0091 EA Module (Daktronics 0P-1332-5031)..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	560.99	48.25
34 41 16 00-0092 EA Module (Daktronics 0P-1332-5017)..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	560.99	48.25
34 41 16 00-0093 EA Module Without Pan (Daktronics 0A-1253-0603)..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign.	822.26	48.25
34 41 16 00-0094 EA Module Without Pan (Daktronics 0A-1253-1605)..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign.	822.26	48.25
34 41 16 00-0095 EA Module Without Pan (Daktronics 0A-1254-1601)..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign.	822.26	48.25
34 41 16 00-0096 EA Pixel Strip (Daktronics 0P-1100-0016)..... Note: Pixel Strip is a smaller section of a module. Typically has three pixels (LED clusters) per strip.	299.72	48.25
34 41 16 00-0097 EA Pixel Strip (Daktronics 0P-1100-0029)..... Note: Pixel Strip is a smaller section of a module. Typically has three pixels (LED clusters) per strip.	346.17	48.25
34 41 16 00-0098 EA Power Supply (Daktronics A-1593)..... Note: Receives 120VAC input and outputs appropriate VDC for modules.	967.41	48.25
34 41 16 00-0099 EA Power Supply (Daktronics A-1648)..... Note: Receives 120VAC input and outputs appropriate VDC for modules.	967.41	48.25
34 41 16 00-0100 EA Power Supply (Daktronics A-2307)..... Note: Receives 120VAC input and outputs appropriate VDC for modules.	386.81	48.25
34 41 16 00-0101 EA Surge Suppressor (Daktronics A-1129)..... Note: Receives 120VAC input and outputs appropriate VDC for modules.	162.41	28.95
34 41 16 00-0102 EA Surge Suppressor (Daktronics A-1412)..... Note: Receives 120VAC input and outputs appropriate VDC for modules.	319.17	28.95
34 41 16 00-0103 EA Surge Suppressor (Daktronics A-1772)..... Note: Receives 120VAC input and outputs appropriate VDC for modules.	319.17	28.95
34 41 16 00-0104 EA Surge Suppressor (Daktronics A-2139)..... Note: Receives 120VAC input and outputs appropriate VDC for modules.	464.32	28.95
34 41 16 00-0105 EA VCB, Vanguard Control Board (Daktronics 0P-1248-0022)..... Note: Receives high speed serial communication over fiber or CAT5 from VFC-3000 and reports sign status and peripheral diagnostics.	787.42	48.25
34 41 16 00-0106 EA VMS I/O, Variable Message Sign Input/Output (Daktronics 0P-1194-0001)..... Note: Input/Output board for sign peripherals.	1,054.50	48.25
34 41 16 00-0107 EA Power Supply Assembly (Daktronics A-1856R).....	706.14	48.25
34 41 16 00-0108 EA Power Supply Isolation Board (Daktronics 0P-1447-2000).....	473.90	48.25
34 41 16 00-0109 EA Ventilation/Circulation Fan (Daktronics B-1075).....	195.21	48.25
34 41 16 00-0110 EA VMS Controller (V2) (Daktronics 0A-1248-0028).....	5,611.38	193.00
34 41 16 00-0111 EA Photo/Temp Sensor (Daktronics 0P-1247-0015).....	410.03	48.25
34 41 16 00-0112 EA Defog Fan (Daktronics B-1053).....	77.28	24.13
34 41 16 00-0113 EA Defog Heater (Daktronics A-1792).....	94.70	24.13
34 41 16 00-0114 EA Display Card 1500, 15' Clear (Ver-Mac PB-AFF-06023A-03 PF).....	531.96	48.25
34 41 16 00-0115 EA Display Card 1500, 30' Amber (Ver-Mac PB-AFF-06023-01 PF).....	531.96	48.25
34 41 16 00-0116 EA 1-Port Decoder With H.264 And High-Definition Technology (Verint S1801E-R).....	684.83	48.32
34 41 16 00-0117 EA 1-Port Video Encoder Featuring H.264 Technology With One Bi-directional Audio Channel And 12V DC Universal Power Supply (Verint S1801E).....	684.83	48.32
34 41 16 00-0118 EA 16-Port Video Encoder Featuring H.264 Technology (Verint S1816E).....	3,581.28	48.32
34 41 16 00-0119 EA Encoder H.264 Compact, Hiperfmc (Verint S1802E).....	876.60	48.32
34 41 16 00-0120 EA 110 VAC To 12 VDC At 45W Transformer (Verint PS1261).....	129.61	24.13
34 41 16 00-0121 EA 1-Channel Encoder, H.264 Dual-Streaming, SD Card Slot (Bosch VIP-X1XF-E).....	432.79	48.32
34 41 16 00-0122 EA Single/Quad-Stream Decoder (Bosch VIP-XD).....	1,084.19	48.32
34 41 16 00-0123 EA 1-Output, Outdoor-Rated CCTV Power Supply Unit, 24/26/28 VAC (Pelco WCS1-4).....	246.79	48.25
34 41 16 00-0124 EA 4-Outputs, Outdoor-Rated CCTV Power Supply With Circuit Breaker, 24/28 VAC (Pelco WCS4-20B).....	553.46	48.25
34 41 16 00-0125 EA 12.5KVA, 12 Volt, 75Ah, UPS Battery (UPG UB12750).....	167.96	12.08
34 41 16 00-0126 EA Managed Ethernet Switch with 4 10/100TX Ports + 4 100FX Fiber Ports (EtherWAN EX71440-B0B).....	2,094.40	96.51
34 41 16 00-0127 EA Power Supply, Hardened, External 100-240 VAC Input; TS2 rated; 12VDC Output Power (EtherWAN 41-136046-1).....	140.41	24.13
34 41 16 00-0128 EA 4kVA / 3.6kW Split-Phase Power Module (Eaton 9PXMSPPM).....	1,878.79	48.25
34 41 16 00-0129 EA 30 Amp, 600 Volt, 3-Pole, Fusible, NEMA 3R Rainproof, Safety Switch (Square D H361RB).....	637.03	125.45
34 41 16 00-0130 EA 30 Amp, 600 Volt, LKS Fuse (Eaton Bussmann LKS-30).....	18.69	7.72
34 41 16 00-0131 EA 60 Amp, 600 Volt, 3-Pole, Fusible, Heavy Duty, Safety Switch (Square D H362DS).....	1,570.75	96.51
34 41 16 00-0132 EA 60 Amp, 600 Volt, Dual Element, Time-Delay Fuse (Eaton Bussmann FRS-R-60).....	36.33	7.72
34 41 16 00-0133 EA 50 Mbps, MIMO 2x2, 15 dBi Integrated Antenna (Proxim Wireless TSUNAMI QB-820).....	1,372.99	53.44
34 41 16 00-0134 EA Singlemode Loaded Fiber Adapter Panel, 6 Simplex SC/UPC Adapters (Multi-Link 10-4810).....	94.14	36.67
34 41 16 00-0135 EA 12" x 6" x 5-1/2", 2 Panel, 2 Splice Dual Security Door, Compact Wall Mount Fiber Distribution Unit (MultiLink 10-4469).....	238.84	48.25
34 41 16 00-0136 EA Single AC Inlet, 8 Nema 5-15 Outlets, Built-in AC Current Drawing Sensing Module (Synaccess NP-0801DT).....	384.50	12.56
34 41 16 00-0137 EA Aggregated TRMS AC Current Sensing, One Readout For All Outlets (Synaccess NP-0801DT(H)).....	413.87	12.56
34 41 16 00-0138 EA 550W, 120VAC, Fan Heater With Adjustable Thermostat, 32-140 Degree Fahrenheit (Stego CR-027).....	226.90	19.30
34 41 16 00-0139 EA 10/100M Switch, 4 x 1G Combo, LAN Base (Cisco IE-4000-4TC4G-E).....	2,715.43	115.80
34 41 16 00-0140 EA 12 Port, 2 Panel, Wall Mount, Compact Fiber Distribution Unit (MultiLink FWM012XLC).....	108.53	22.19

34 Transportation**34 40 Transportation Signaling and Control Equipment****34 41 Roadway Signaling and Control Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 16 00-0141 EA 6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel (Multilink MSC-06-SM-C-BLK)	27.25	4.83
34 41 16 00-0142 EA 170 Watt AC To DC, Industrial Ethernet Family Power Supply (Cisco PWR-IE170W-PC-AC).....	1,677.74	48.25
34 41 16 00-0143 EA 12 Port, Industrial Ethernet Layer 3 Switch Installed In Transportation Control Equipment (Cisco IE-4000-4GC4GP4G-E)	4,999.99	96.51
34 41 16 00-0144 EA 2 KVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line Uninterruptible Power Supply (UPS) (Xtreme Power P90-3000)	2,048.11	159.23
34 41 16 00-0145 EA 100 Amp, 16 Circuit, Main Lug Load Center Panelboard, 8-1 AWG, 120/240 Volt, Single Phase (Square D QO816L100DS)	601.68	275.99
34 41 16 00-0146 EA 70 Amp, 4 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase (Square D QO24L70S)	419.88	193.00
34 41 16 00-0147 EA 60 Amp, 120/240 Volt, 2 Pole Common Trip Miniature Circuit Breaker, Plug On Mounting (Square D QO260).....	80.48	26.06
34 41 16 00-0148 EA 15 Amp, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QOT1515).....	59.49	17.37
34 41 16 00-0149 EA 15 Amp, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QO120).....	48.98	17.37
34 41 16 00-0150 EA 20 Amp, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QO120).....	48.98	17.37
34 41 16 00-0151 EA One Output Outdoor-rated CCTV Power Supply Unit, 24/26/28 Volt AC @ 4 Amp Total Supply Current, Fuse Protected Output, UL Listed (Pelco WCS1-4)	246.79	48.25
34 41 16 00-0152 EA DIN Rail Mount, Switching Power Supply (TKH Security PSR12DC)	192.23	24.16
34 41 16 00-0153 EA H.264 Multi-codec Video Encoder With Audio, Data And CC's (TKH Security C-60-E-MC)	1,693.43	24.16
34 41 16 00-0154 EA Expansion Power Module For IE-3000-4TC And IE-3000-8TC (Cisco PWR-IE50W-AC-IEC).....	331.89	12.56
34 41 16 00-0155 EA Traffic Monitoring System (BlueToad Spectra Cellular/Solar Version).....	6,781.94	160.35
34 41 16 00-0156 EA Ubiquiti Rocket M9 Wireless Access Point (ROCKETM9)	284.19	53.44

34 70 Transportation Construction And Equipment ⁽³⁴⁾**34 71 Roadway Construction** ^(34 70)**34 71 13 Vehicle Barriers** ^(34 71)**34 71 13 13 Vehicle Median Barriers** ^(34 71 13)**34 71 13 13-0001 Concrete Median Barrier** ^(34 71 13 13)

34 71 13 13-0002 LF Median Barrier, Precast, 42" High Single Face	58.95	3.31
34 71 13 13-0003 LF Median Barrier, Precast, 32" High, 2' Wide Base, Double Face.....	82.52	3.31
34 71 13 13-0004 LF Median Barrier, Precast, 42" High, 2' Wide Base, Double Face.....	107.52	3.31
34 71 13 13-0005 LF Median Barrier, Cast In Place With Steel Forms.....	41.18	5.27
34 71 13 13-0006 LF Median Barrier, Slipformed Concrete	33.28	2.65

34 71 13 16 Vehicle Crash Barriers ^(34 71 13)**34 71 13 16-0001 Impact Barrier, Non-Redirective** ^(34 71 13 16)**34 71 13 16-0002 Sand Barrel Impact Attenuator** ^(34 71 13 16-0001)

Note: Includes containers, inserts, and lid. Excludes sand.

34 71 13 16-0003 EA 200, 400 Or 700 LB Sand Barrel.....	623.90	40.38
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Note: Includes containers, inserts, and lid.

34 71 13 26 Vehicle Guide Rails ^(34 71 13)**34 71 13 26-0001 Mobilize Guide Rail Crew** ^(34 71 13 26)

34 71 13 26-0002 EA Mobilize Guide Rail Crew.....	1,020.96	
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Note: Excludes equipment mobilization.

34 71 13 26-0003 Corrugated Beam Guide Rail ^(34 71 13 26)**34 71 13 26-0004 Corrugated Beam Guide Railing** ^(34 71 13 26-0003)**34 71 13 26-0005 Corrugated Beam Guide Railing, Straight Sections** ^(34 71 13 26-0004)

Note: Add additional length for back-up sections.

34 71 13 26-0006 LF Corrugated Beam Guide Railing	9.73	1.83
34 71 13 26-0007 LF Corrugated Beam Guide Railing (Rustic).....	10.40	1.83

34 71 13 26-0008 Corrugated Beam Guide Railing, Shop Curved ^(34 71 13 26-0004)

Note: Add additional length for back-up sections.

34 71 13 26-0009 LF Shop Curved Corrugated Beam Guide Railing	12.37	1.83
34 71 13 26-0010 LF Shop Curved Corrugated Beam Guide Railing (Rustic)	13.30	1.83
34 71 13 26-0011 LF Shop Curved Corrugated Beam Guide Railing End.....	30.04	1.83

Note: Treatment for mall barriers driveways, walkways, special end, etc.

34 71 13 26-0012 LF Shop Curved Corrugated Beam Guide Railing (Rustic) End.....	32.68	1.83
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Note: Treatment for mall barriers shop curved corrugated beam guide railing end etc.

34 71 13 26-0013 Corrugated Beam Guide Railing, Manufactured End Sections ^(34 71 13 26-0003)

34 71 13 26-0014 EA Corrugated Beam Guide Railing End Section At Anchor Unit.....	79.66	24.06
34 71 13 26-0015 EA Corrugated Beam Guide Railing End Section (Rustic) At Anchor Unit.....	83.27	24.06
34 71 13 26-0016 EA Corrugated Beam Guide Railing Flared Or 180 Degree End Section	101.27	24.06
34 71 13 26-0017 EA Corrugated Beam Guide Railing Flared Or 180 Degree End Section (Rustic).....	104.87	24.06
34 71 13 26-0018 EA Corrugated Beam Guide Railing 225 Degree End Section	101.27	24.06
34 71 13 26-0019 EA Corrugated Beam Guide Railing 225 Degree End Section (Rustic).....	104.87	24.06



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0020 Corrugated Beam Guide Rail Posts <small>(34 71 13 26-0003)</small>		
<i>Note: Includes mounting hardware.</i>		
34 71 13 26-0021 EA Standard Post For Corrugated Beam Guide Rail.....	73.86	12.19
<i>For Installation Without Soil Plate, Deduct</i>		
	-5.00	
<i>For Installation In Rock, Add</i>		
	3.25	
34 71 13 26-0022 EA Standard Post For (Rustic) Corrugated Beam Guide Rail.....	77.46	12.19
<i>For Installation Without Soil Plate, Deduct</i>		
	-5.00	
<i>For Installation In Rock, Add</i>		
	3.25	
34 71 13 26-0023 EA Extra Long Post for Corrugated Beam Guide Rail	81.06	12.19
<i>For Installation Without Soil Plate, Deduct</i>		
	-5.00	
<i>For Installation In Rock, Add</i>		
	3.25	
34 71 13 26-0024 EA Extra Long Post (Rustic) for Corrugated Beam Guide Rail.....	84.66	12.19
<i>For Installation Without Soil Plate, Deduct</i>		
	-5.00	
<i>For Installation In Rock, Add</i>		
	3.25	
34 71 13 26-0025 EA 6B8-1/2" or Mall Barrier Post for Corrugated Beam Guide Rail	73.86	12.19
<i>For Installation Without Soil Plate, Deduct</i>		
	-5.00	
<i>For Installation In Rock, Add</i>		
	3.25	
34 71 13 26-0026 EA Post Struts for Corrugated Beam Guide Rail Mall Barrier Post.....	102.66	12.19
<i>For Installation In Rock, Add</i>		
	3.25	
34 71 13 26-0027 Heavy Post Blocked Out Corrugated Beam Guide Rail Posts <small>(34 71 13 26-0003)</small>		
<i>Note: Includes mounting hardware. Excludes triangular mounting brackets.</i>		
34 71 13 26-0028 EA Standard Post For Heavy Post Blocked Out Corrugated Beam Guide	73.86	12.19
34 71 13 26-0029 EA Standard Rustic Post For Heavy Post Blocked Out Corrugated Beam Guide	77.46	12.19
34 71 13 26-0030 EA Extra Long Post for Heavy Post Blocked Out Corrugated Beam Guide.....	81.06	12.19
34 71 13 26-0031 EA Extra Long Post (Rustic) For heavy post blocked out corrugated beam guide rail.....	84.66	12.19
<i>Note: For heavy post blocked out corrugated beam guide (rustic)</i>		
34 71 13 26-0032 EA Type A Post 1630mm Post	72.06	12.19
<i>Note: For heavy post blocked out corrugated beam guide rail</i>		
34 71 13 26-0033 EA Type A Post 1630mm Post (Rustic).....	75.66	12.19
<i>Note: For heavy post blocked out corrugated beam guide rail</i>		
34 71 13 26-0034 EA Type B Post 1460mm	68.46	12.19
<i>Note: For heavy post blocked out corrugated beam guide rail</i>		
34 71 13 26-0035 EA Type B Post 1460mm (Rustic).....	72.06	12.19
<i>Note: For heavy post blocked out corrugated beam guide rail</i>		
34 71 13 26-0036 EA Type C Post 1290mm	64.86	12.19
<i>Note: For heavy post blocked out corrugated beam guide rail</i>		
34 71 13 26-0037 EA Type C Post 1290mm (Rustic).....	68.46	12.19
<i>Note: For heavy post blocked out corrugated beam guide rail</i>		
34 71 13 26-0038 EA Breakaway Wood Or Steel Post In Steel Foundation Tube	254.45	12.19
34 71 13 26-0039 EA Wood, Metal, Plastic Or Composite Offset Block Or Beam	34.25	12.19
<i>Note: For heavy post blocked out corrugated beam guide rail.</i>		
34 71 13 26-0040 Corrugated Beam Guide Rail Accessories <small>(34 71 13 26-0003)</small>		
34 71 13 26-0041 EA Triangular Mounting Brackets (Galvanized Or Rustic) For All Post Types A, B And C.....	72.46	27.35
34 71 13 26-0042 Corrugated Beam Guide Rail Repair for Existing Guide Rail <small>(34 71 13 26-0003)</small>		
<i>Note: Includes associated hardware.</i>		
34 71 13 26-0043 LF Removal And Storage Of Corrugated Beam Guide Railing And Post.....	10.69	
34 71 13 26-0044 EA Install Stored Post For Corrugated Beam Guide Rail	36.46	
34 71 13 26-0045 LF Install Stored Corrugated Beam Guide Railing And Post.....	6.20	
34 71 13 26-0046 Corrugated Thrie Beam Guide Railing <small>(34 71 13 26-0003)</small>		
34 71 13 26-0047 Corrugated Thrie Beam Guide Railing. Straight Sections <small>(34 71 13 26-0046)</small>		
<i>Note: Add additional length for back-up sections.</i>		
34 71 13 26-0048 LF Corrugated Thrie Beam Guide Railing.....	21.44	2.30
34 71 13 26-0049 LF Corrugated Thrie Beam Guide Railing (Rustic).....	22.54	2.30
34 71 13 26-0050 Corrugated Thrie Beam Guide Railing. Shop Curved <small>(34 71 13 26-0046)</small>		
<i>Note: Add additional length for back-up sections.</i>		
34 71 13 26-0051 LF Shop Curved Corrugated Thrie Beam Guide Railing.....	25.83	2.30
34 71 13 26-0052 LF Shop Curved Corrugated Thrie Beam Guide Railing (Rustic).....	26.93	2.30
34 71 13 26-0053 Corrugated Thrie Beam Guide Rail Posts <small>(34 71 13 26-0046)</small>		
<i>Note: Includes hardware for mounting.</i>		
34 71 13 26-0054 EA Standard Post For Corrugated Thrie Beam Guide Rail.....	82.27	2.30
<i>For Installation Without Soil Plate, Deduct</i>		
	-5.00	
<i>For 32" Soil Plate, Add</i>		
	7.00	
34 71 13 26-0055 EA Standard Post (Rustic) For Corrugated Thrie Beam Guide Rail	85.87	2.30
<i>For Installation Without Soil Plate, Deduct</i>		
	-5.00	
<i>For 32" Soil Plate, Add</i>		
	7.00	

34 Transportation**34 70 Transportation Construction And Equipment****34 71 Roadway Construction**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
34 71 13 26-0056		Timber Guide Rails <small>(34 71 13 26)</small>			
		Note: Includes drilling and fasteners. Excludes excavation, auguring and concrete.			
34 71 13 26-0057		Timber Guide Rail Posts <small>(34 71 13 26-0056)</small>			
34 71 13 26-0058	EA	6" x 8" Timber Guide Rail Post.....	68.43		9.11
34 71 13 26-0059	EA	6" x 9" Timber Guide Rail Post.....	77.51		9.11
34 71 13 26-0060	EA	10" x 10" Timber Guide Rail Post.....	148.69		9.11
34 71 13 26-0061	EA	10" x 12" Timber Guide Rail Post.....	157.17		9.11
34 71 13 26-0062	EA	12" x 12" Timber Guide Rail Post.....	181.37		9.11
34 71 13 26-0063		Timber Guide Rails <small>(34 71 13 26-0056)</small>			
		Note: Excludes posts, spacer blocks and steel backup plates.			
34 71 13 26-0064	LF	4" x 9" Timber Guide Rail.....	8.48		1.10
34 71 13 26-0065	LF	6" x 8" Timber Guide Rail.....	11.75		1.10
34 71 13 26-0066	LF	6" x 12" Timber Guide Rail.....	13.66		1.10
34 71 13 26-0067		Spacer Blocks For Timber Guide Rails <small>(34 71 13 26-0056)</small>			
34 71 13 26-0068	EA	4" x 9" Spacer Block For Timber Guide Rails.....	11.04		1.46
34 71 13 26-0069	EA	6" x 8" Spacer Block For Timber Guide Rails.....	12.61		1.46
34 71 13 26-0070	EA	8" x 8" Spacer Block For Timber Guide Rails.....	14.61		1.46
34 71 13 26-0071		Weathering Steel Backup Plates For Timber Guide Rails <small>(34 71 13 26-0056)</small>			
34 71 13 26-0072	LF	6" High, Weathering Steel Backup Plate For Timber Guide Rails.....	14.92		0.91
34 71 13 26-0073		Weathering Steel Splice And Bearing Plates For Timber Guide Rails <small>(34 71 13 26-0056)</small>			
34 71 13 26-0074	EA	Weathering Steel Splice Plate For Timber Guide Rails.....	106.43		12.77
34 71 13 26-0075	EA	Weathering Steel Bearing Termination Plate For Timber Guide Rails.....	67.22		9.11
34 71 13 26-0076		Cable Guide Rail <small>(34 71 13 26)</small>			
34 71 13 26-0077		Cable Guide Rail <small>(34 71 13 26-0076)</small>			
34 71 13 26-0078	LF	Cable (Each Cable).....	5.70		1.97
		Note: Includes tensioning. Excludes splices.			
34 71 13 26-0079	EA	Cable Splice With Wedges.....	126.25		13.67
34 71 13 26-0080		Cable Guide Rail Posts <small>(34 71 13 26-0076)</small>			
		Note: Includes hardware for cable mounting.			
34 71 13 26-0081	EA	Standard Post for Cable Guide Rail.....	108.19		40.64
		For Installation Without Soil Plate, Deduct	-5.00		
		For Installation In Rock, Add	10.84		
34 71 13 26-0082	EA	Standard Post (Rustic) for Cable Guide Rail.....	111.79		40.64
		For Installation Without Soil Plate, Deduct	-5.00		
		For Installation In Rock, Add	10.84		
34 71 13 26-0083	EA	Extra Long Post for Cable Guide Rail.....	111.79		40.64
		For Installation Without Soil Plate, Deduct	-5.00		
		For Installation In Rock, Add	10.84		
34 71 13 26-0084	EA	Extra Long Post (Rustic) for Cable Guide Rail.....	115.39		40.64
		For Installation Without Soil Plate, Deduct	-5.00		
		For Installation In Rock, Add	10.84		
34 71 13 26-0085	EA	Slip Impact Post Top for Anchor Unit.....	64.87		16.25
34 71 13 26-0086	EA	Slip Impact Post Base and Keeper Plate.....	154.88		16.25
		Note: For anchor unit.			
34 71 13 26-0087		Cable Guide Rail Accessories For Breakaway Anchor Angle Systems <small>(34 71 13 26-0076)</small>			
34 71 13 26-0088	EA	Turnbuckle Cable End Assembly For Use With Breakaway Anchors.....	365.98		182.68
34 71 13 26-0089	EA	Turnbuckle Cable End Assembly.....	84.19		9.13
34 71 13 26-0090	EA	Spring Cable End Assembly (Compensating Device) For Use With Breakaway Anchors.....	258.08		4.54
34 71 13 26-0091	EA	Spring Cable End Assembly (Compensating Device) Without Turnbuckle.....	265.28		4.54
34 71 13 26-0092	EA	Breakaway Anchor Angle.....	105.79		9.13
34 71 13 26-0093	EA	Standard End Post Cap Assembly.....	49.25		4.54
34 71 13 26-0094	EA	Driveway End Post Cap Assembly.....	42.05		4.54
34 71 13 26-0095	EA	End Post Ground Support Plates.....	24.05		4.54
34 71 13 26-0096	EA	11" Stud Bolt, Cable Guide Rail.....	21.35		4.54
34 71 13 26-0097	EA	18" Stud Bolt, Cable Guide Rail.....	24.95		4.54
34 71 13 26-0098	EA	25" Stud Bolt, Cable Guide Rail.....	28.55		4.54
34 71 13 26-0099	EA	1-1/4" Diameter Turnbuckle, Cable Guide Rail.....	228.20		9.13
34 71 13 26-0100	EA	1-1/2" Diameter Turnbuckle, Cable Guide Rail.....	242.61		9.13
34 71 13 26-0101	EA	5/8" Diameter Turnbuckle With 12" Take-up And Shackle Ends, Cable Guide Rail.....	163.40		9.13
34 71 13 26-0102	EA	5/8" Eye Bolt 18" Long, Cable Guide Rail.....	99.66		4.54
34 71 13 26-0103	EA	3/4" Eye Bolt 8'-6" Long, Cable Guide Rail.....	105.79		9.13
34 71 13 26-0104	EA	1-5/8" Anchor Rod 10' Long With Plate, Cable Guide Rail.....	115.45		13.67



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0105 Cable Guide Rail Accessories For Slip Impact Post Systems <small>(34 71 13 26-0076)</small>		
34 71 13 26-0106 EA Turnbuckle Cable End Assembly..... Note: For use with slip impact post.	187.32	13.57
34 71 13 26-0107 EA Spring Cable End Assembly (Compensating Device)..... Note: For use with slip impact post.	360.14	13.57
34 71 13 26-0108 EA Anchor Angle For Slip Impact Post System	111.71	13.57
34 71 13 26-0109 EA Cable End Assembly Rod..... Note: Includes cable end, threaded rod and keeper to anchor angle.	93.71	13.57
34 71 13 26-0110 Cable Guide Rail Repair For Existing Guide Rail <small>(34 71 13 26-0076)</small>		
Note: All tasks include associated hardware.		
34 71 13 26-0111 LF Retention Existing Cable (Each Cable).....	1.22	
34 71 13 26-0112 LF Removal And Storage Of Cable Guide Railing	7.34	
34 71 13 26-0113 EA Install Stored Post For Cable Guide Railing.....	54.18	
34 71 13 26-0114 LF Install Stored Cable, (Each Cable)..... Note: Includes retensioning. Excludes splices.	3.25	
34 71 13 26-0115 6" x 6" Box Beam Guide Rail <small>(34 71 13 26)</small>		
34 71 13 26-0116 Box Beam Guide Rail, 6" x 6" <small>(34 71 13 26-0115)</small>		
34 71 13 26-0117 Straight Sections, Box Beam Guide Rail <small>(34 71 13 26-0116)</small>		
34 71 13 26-0118 LF Box Beam Guide Railing 6" x 6" x 3/16" Galvanized..... Note: Excludes splices.	25.56	2.30
<i>For Flush Mounting Directly To Structure, Add</i>		
	1.83	
34 71 13 26-0119 LF Box Beam Guide Railing 6" x 6" x 3/16" (Rustic)..... Note: Excludes splices.	28.85	2.30
<i>For Flush Mounting Directly To Structure, Add</i>		
	1.83	
34 71 13 26-0120 Shop Curved, Box Beam Guide Rail <small>(34 71 13 26-0116)</small>		
34 71 13 26-0121 LF Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" Galvanized..... Note: Excludes splices.	38.18	2.30
<i>For Shop Curved At <20' Radius, Add</i>		
	2.44	
<i>For Flush Mounting Directly To Structure, Add</i>		
	1.83	
34 71 13 26-0122 LF Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" (Rustic)..... Note: Excludes splices.	41.47	2.30
<i>For Shop Curved At <20' Radius, Add</i>		
	2.44	
<i>For Flush Mounting Directly To Structure, Add</i>		
	1.83	
34 71 13 26-0123 Box Beam Guide Rail End Treatment Sections <small>(34 71 13 26-0115)</small>		
Note: Includes rail, end cover plate and hardware only. Excludes posts and splice.		
34 71 13 26-0124 EA Box Beam End Piece Guide Railing Section..... Note: Galvanized excludes splices.	396.50	27.35
34 71 13 26-0125 EA Box Beam End Piece Guide Railing Section (Rustic)..... Note: Excludes splices.	436.10	27.35
34 71 13 26-0126 EA Box Beam Guide Railing End Treatment Section At Driveway, Galvanized	374.90	27.35
34 71 13 26-0127 EA Box Beam Guide Railing End Treatment Section At Driveway, (Rustic)..... Note: Excludes splices.	389.30	27.35
34 71 13 26-0128 Splices For Box Beam Guide Rail <small>(34 71 13 26-0115)</small>		
34 71 13 26-0129 EA Splice For Box Beam Guide Rail	135.20	40.60
34 71 13 26-0130 EA Splice For Box Beam Guide Rail (Rustic).....	160.40	40.60
34 71 13 26-0131 Box Beam Guide Rail Posts <small>(34 71 13 26-0115)</small>		
Note: Includes hardware for box beam mounting.		
34 71 13 26-0132 EA Standard Post For Box Beam Guide Rail	111.79	40.64
<i>For Installation Without Soil Plate, Deduct</i>		
	-5.00	
<i>For Installation In Rock, Add</i>		
	10.84	
34 71 13 26-0133 EA Standard Post (Rustic) for Box Beam Guide Railing..... <i>For Installation Without Soil Plate, Deduct</i>	115.39	40.64
	-5.00	
<i>For Installation In Rock, Add</i>		
	10.84	
34 71 13 26-0134 EA Extra Long Post For Box Beam Guide Rail..... <i>For Installation Without Soil Plate, Deduct</i>	118.99	40.64
	-5.00	
<i>For Installation In Rock, Add</i>		
	10.84	
34 71 13 26-0135 EA Extra Long Post (Rustic) For Box Beam Guide Rail	122.59	40.64
<i>For Installation Without Soil Plate, Deduct</i>		
	-5.00	
<i>For Installation In Rock, Add</i>		
	10.84	
34 71 13 26-0136 EA Type I End Assembly Post..... <i>For Installation Without Soil Plate, Deduct</i>	108.19	40.64
	-5.00	
<i>For Installation In Rock, Add</i>		
	10.84	
34 71 13 26-0137 EA Type I End Assembly Post (Rustic)	111.79	40.64
<i>For Installation Without Soil Plate, Deduct</i>		
	-5.00	
<i>For Installation In Rock, Add</i>		
	10.84	
34 71 13 26-0138 EA Type II End Assembly Post..... <i>For Installation Without Soil Plate, Deduct</i>	104.59	40.64
	-5.00	
<i>For Installation In Rock, Add</i>		
	10.84	

34	Transportation
34 70	Transportation Construction And Equipment
34 71	Roadway Construction



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0139 EA Type II End Assembly Post (Rustic)..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	108.19 -5.00 10.84	40.64
34 71 13 26-0140 Box Beam Guide Rail Accessories (34 71 13 26-0115)		
34 71 13 26-0141 EA Box Beam Guide Rail End Cover Plate.....	54.14	8.20
34 71 13 26-0142 EA Box Beam Guide Rail End Cover Plate (Rustic)	57.75	8.20
34 71 13 26-0143 Box Beam Guide Railing Repair, And Resetting (34 71 13 26-0115) Note: For existing guide rail.		
34 71 13 26-0144 LF Removal And Storage Of Box Beam Guide Rail And Post	3.60	
34 71 13 26-0145 LF Reset Box Beam Guide Rail	10.51	
34 71 13 26-0146 6" x 8" Box Beam Median Barrier (34 71 13 26)		
34 71 13 26-0147 Box Beam Median Barrier, 6" x 8" (34 71 13 26-0146)		
34 71 13 26-0148 Straight Sections, Box Beam Median Barrier (34 71 13 26-0147)		
34 71 13 26-0149 LF Box Beam Median Barrier Galvanized Excludes Splices..... <i>For Flush Mounting Directly To Structure, Add</i>	45.51 1.83	8.20
34 71 13 26-0150 LF Box Beam Median Barrier (Rustic) Excludes Splices..... <i>For Flush Mounting Directly To Structure, Add</i>	48.80 1.83	8.20
34 71 13 26-0151 Shop Curved, Box Beam Median Barrier (34 71 13 26-0147)		
34 71 13 26-0152 LF Shop Curved Box Beam Median Barrier Galvanized..... Note: Excludes splices. <i>For Shop Curved At <20' Radius, Add</i> <i>For Flush Mounting Directly To Structure, Add</i>	54.16 2.44 1.83	8.20
34 71 13 26-0153 LF Shop Curved Box Beam Median Barrier Rustic..... Note: Excludes splices. <i>For Shop Curved At <20' Radius, Add</i> <i>For Flush Mounting Directly To Structure, Add</i>	64.96 2.44 1.83	8.20
34 71 13 26-0154 Box Beam Median Barrier End Treatment Sections (34 71 13 26-0146) Note: Includes rail, end cover plate and hardware. Excludes posts.		
34 71 13 26-0155 EA Box Beam Median Barrier Type A End Treatment Section, Galvanized..... Note: Excludes splices and post.	1,257.00	27.35
34 71 13 26-0156 EA Box Beam Median Barrier Type A End Treatment Section (Rustic)..... Note: Excludes splices and post.	1,285.80	27.35
34 71 13 26-0157 EA Box Beam Median Barrier Type B End Treatment Section, Galvanized..... Note: Excludes splices and post.	1,257.00	27.35
34 71 13 26-0158 EA Box Beam Median Barrier Type B End Treatment Section (Rustic)..... Note: Excludes splices and post.	1,285.80	27.35
34 71 13 26-0159 Splices For Box Beam Median Barrier (34 71 13 26-0146)		
34 71 13 26-0160 EA Splice for Box Beam Median Barrier	108.38	21.88
34 71 13 26-0161 EA Splice for Box Beam Median Barrier (Rustic).....	162.38	21.88
34 71 13 26-0162 Box Beam Median Barrier Posts Driven With Soil Plate (34 71 13 26-0146) Note: Includes all associated hardware.		
34 71 13 26-0163 EA Standard Post for Box Beam Median Barrier..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	111.79 -5.00 10.84	40.64
34 71 13 26-0164 EA Standard Post (Rustic) for Box Beam Median Barrier..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	115.39 -5.00 10.84	40.64
34 71 13 26-0165 EA Extra Long Post for Box Beam Median Barrier	118.99	40.64
<i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	-5.00 10.84	
34 71 13 26-0166 EA Extra Long Post (Rustic) for Box Beam Median Barrier..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	122.59 -5.00 10.84	40.64
34 71 13 26-0167 EA Type B End Treatment or Rub Back Anchor Post for Box Beam..... Note: For median barrier. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	104.59 -5.00 10.84	40.64
34 71 13 26-0168 EA Type B End Treatment or Rub Back Anchor Post (Rustic)	104.59	40.64
Note: For box beam median barrier. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	-5.00 10.84	
34 71 13 26-0169 EA Type I End Assembly Post for Box Beam Median Barrier to Concrete	118.99	40.64
Note: For median barrier transition. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	-5.00 10.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0170 EA Type I End Assembly Post (Rustic) for Box Beam Median Barrier Note: For Concrete median barrier transition. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	122.59 -5.00 10.84	40.64
34 71 13 26-0171 Box Beam Median Barrier Accessories (34 71 13 26-0146)		
34 71 13 26-0172 EA Box Beam Median Barrier End Cover Plate.....	74.17	19.25
34 71 13 26-0173 EA Box Beam Median Barrier End Cover Plate (Rustic)	77.78	19.25
34 71 13 26-0174 Box Beam Median Barrier Repair, And Resetting (34 71 13 26-0146)		
Note: For existing guide rail.		
34 71 13 26-0175 LF Remove and Store Box Beam Median Barrier and Posts	3.73	
34 71 13 26-0176 LF Reset Box Beam Median Barrier	11.01	
34 71 13 26-0177 Universal Guide Rail Items (34 71 13 26)		
34 71 13 26-0178 Guide Rail Concrete Anchor Units For All Types Of Guide Rail (34 71 13 26-0177)		
Note: For cast in place or precast. Includes excavation, formwork, concrete, reinforcement, anchor rods and/or imbedded plate. Excludes anchor angle. For anchor angles and other terminal connections, use accessories section for respective guide rail type.		
34 71 13 26-0179 CY Guide Rail Concrete Anchor Unit..... <i>For Each Additional Set Of Anchor Rods, Add</i>	585.39 38.00	
34 71 13 26-0180 EA Reset Existing Anchorage Unit for All Types of Guide Rail..... Note: Includes excavation and backfill.	418.19	
34 71 13 26-0181 EA Removal Of Guide Rail Concrete Anchor Unit.....	445.75	
34 71 13 26-0182 Guide Rail Repair For All Types Of Existing Guide Rail (34 71 13 26-0177)		
Note: All tasks include associated hardware.		
34 71 13 26-0183 EA Straighten And Reset Driven Post For Guide Rail	54.18	
34 71 13 26-0184 EA Straighten And Reset Post Mounted On Concrete For Guide Rail	59.36	
Note: With base plate for guide rail. Includes new anchor bolts.		
34 71 13 26-0185 Additional Wood and Steel Posts (34 71 13 26-0177)		
34 71 13 26-0186 LF 4" x 6" Wood Post..... <i>For Installation In Rock, Add</i>	35.20 3.62	13.57
34 71 13 26-0187 LF 6" x 8" Wood Post..... <i>For Installation In Rock, Add</i>	40.60 3.62	13.57
34 71 13 26-0188 LF 6" x 7/8" Steel Post Galvanized	28.30	13.57
<i>For Installation In Rock, Add</i>	3.62	
34 71 13 26-0189 EA Base Plate With Anchor Bolts For Mounting Post On Concrete.....	226.91	13.57
34 71 13 26-0190 Accessories For All Types of Guide Rail (34 71 13 26-0177)		
34 71 13 26-0191 EA Reflector, Guard Rail	24.66	
34 71 13 26-0192 Individual Concrete Posts (34 71 13 26)		
34 71 13 26-0193 EA 6'-5" Concrete Posts, Round.....	76.94	5.61
34 71 13 26-0194 EA 6'-5" Concrete Posts, Square.....	86.00	6.32
34 71 13 26-0195 EA 6'-5" Concrete Posts, Triangular.....	83.64	6.32
34 71 13 26-0196 Guide Rail Transitions (34 71 13 26)		
34 71 13 26-0197 Transition Box Beam Guide Rail To Corrugated Beam (34 71 13 26-0196)		
34 71 13 26-0198 EA Box Beam To Corrugated Beam Rail Bolted Section.....	459.59	
34 71 13 26-0199 EA Box Beam To Corrugated Beam Rail Bolted Plate	315.58	
Note: For making cable connections.		
34 71 13 26-0200 Transition Box Beam Median Barrier To Corrugated Beam Median (34 71 13 26-0196)		
34 71 13 26-0201 EA Box Beam Median Barrier To Corrugated Beam Bolted Section	466.79	
34 71 13 26-0202 EA Box Beam Median Barrier To Corrugated Beam Harness Plate	315.58	
Note: For making cable connections.		
34 71 13 26-0203 Transition Box Beam Guide Rail To Cable Guide Rail (34 71 13 26-0196)		
34 71 13 26-0204 EA Box Beam to Cable Guide Rail U-bolt And Plate	60.35	14.58
34 71 13 26-0205 Transition Box Beam Median Barrier To Concrete Median Barrier (34 71 13 26-0196)		
34 71 13 26-0206 EA Box Beam Median Barrier To Concrete Barrier End Connection.....	603.61	
34 71 13 26-0207 Transition Thrie Beam To Concrete Median Barrier (34 71 13 26-0196)		
34 71 13 26-0208 EA Thrie Beam Terminal Connector At Concrete Median Barrier.....	423.59	

34	Transportation
34 70	Transportation Construction And Equipment
34 71	Roadway Construction



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0209 EA Thrie Beam Transition Section To Corrugated Beam Guide Rail.....	513.60	
34 71 16 Impact Attenuating Devices (34 71)		
34 71 16 00-0001 Guard Rail Energy Absorbing Terminals (34 71 16) Note: Crushable foam cartridges surrounded by steel guardrail for narrow hazards. QuadGuard System as manufactured by Energy Absorption Systems, Inc.		
34 71 16 00-0002 24" Wide Guard Rail Energy Absorbing Terminals (34 71 16 00-0001)		
34 71 16 00-0003 EA 24" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	24,336.91	2,731.46
34 71 16 00-0004 EA 24" Wide, 5 Cartridge, Bays Energy Absorbing Crash Attenuator	33,698.13	3,641.95
34 71 16 00-0005 EA 24" Wide, 7 Cartridge, Bays Energy Absorbing Crash Attenuator	45,862.87	4,780.06
34 71 16 00-0006 EA 24" Wide, 9 Cartridge, Bays Energy Absorbing Crash Attenuator	51,381.48	5,918.17
34 71 16 00-0007 30" Wide Guard Rail Energy Absorbing Terminals (34 71 16 00-0001)		
34 71 16 00-0008 EA 30" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	26,294.04	3,072.89
34 71 16 00-0009 EA 30" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	36,505.37	4,097.19
34 71 16 00-0010 EA 30" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	49,994.54	5,462.92
34 71 16 00-0011 EA 30" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	57,486.19	6,601.03
34 71 16 00-0012 36" Wide Guard Rail Energy Absorbing Terminals (34 71 16 00-0001)		
34 71 16 00-0013 EA 36" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	28,271.13	3,414.33
34 71 16 00-0014 EA 36" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	39,332.00	4,552.44
34 71 16 00-0015 EA 36" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	53,652.28	6,031.98
34 71 16 00-0016 EA 36" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	63,570.19	7,283.90
34 71 16 00-0017 69" Wide Guard Rail Energy Absorbing Terminals (34 71 16 00-0001)		
34 71 16 00-0018 EA 69" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	30,652.98	3,755.76
34 71 16 00-0019 EA 69" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	42,316.37	5,007.68
34 71 16 00-0020 EA 69" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	57,939.80	6,601.03
34 71 16 00-0021 EA 69" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	68,351.55	7,966.76
34 71 16 00-0022 90" Wide Guard Rail Energy Absorbing Terminals (34 71 16 00-0001)		
34 71 16 00-0023 EA 90" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	33,093.46	4,097.19
34 71 16 00-0024 EA 90" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	45,369.73	5,462.92
34 71 16 00-0025 EA 90" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	62,820.76	7,283.90
34 71 16 00-0026 EA 90" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	73,254.66	8,649.62
34 71 19 Vehicle Delineators (34 71)		
34 71 19 16 Flexible Vehicle Delineators (34 71 19)		
34 71 19 16-0001 EA 2' High, 3" Diameter Flexible Fixed Stanchion Delineator.....	60.63	7.02
34 71 19 16-0002 EA 3' High, 3" Diameter Flexible Fixed Stanchion Delineator.....	61.38	7.02
34 71 19 16-0003 EA 3-1/2' High, 3" Diameter Flexible Fixed Stanchion Delineator.....	62.13	7.02
34 71 19 16-0004 EA 4' High, 3" Diameter Flexible Fixed Stanchion Delineator.....	62.87	7.02

END OF SECTION 34



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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35 Waterway and Marine Construction

35 01 Operation And Maintenance Of Waterway and Marine Construction⁽³⁵⁾

35 01 70 Operation And Maintenance Of Dams^(35 01)

35 01 70 00-0001 Drilling And Pressure Grouting^(35 01 70)

35 01 70 00-0002 From Top Of The Dam^(35 01 70 00-0001)

35 01 70 00-0003	LF	Pressure Grout, Top Of Dam, In Concrete, Drill 3" Nominal Grout Hole.....	76.17
35 01 70 00-0004	LF	Pressure Grout, Top Of Dam, In Rock, Drill 3" Nominal Grout Hole.....	89.93
35 01 70 00-0005	LF	Pressure Grout, Install Guide Sleeves 3-1/2" Inside Diameter, Top Of Dam.....	105.52
35 01 70 00-0006	EA	Pressure Grout, Hydraulic Pressure Test Top Of Dam.....	559.39
35 01 70 00-0007	EA	Pressure Grout, Grout Hook-Up Top Of Dam.....	305.13
35 01 70 00-0008	CWT	Pressure Grout, Portland Cement Top Of Dam.....	45.43
35 01 70 00-0009	CWT	Pressure Grout, Fluidifier In Grout Top Of Dam.....	133.66
35 01 70 00-0010	CF	Pressure Grout, Place Grout Except Hook-Ups, Top Of Dam.....	113.36

35 01 70 00-0011 Large Diameter Holes - Rotary Drilled^(35 01 70 00-0001)

35 01 70 00-0012 From Top Of The Dam^(35 01 70 00-0011)

35 01 70 00-0013	LF	Pressure Grout, Rotary Drilled Top Of Dam, 6" Nominal Diameter, Vertical.....	118.34
35 01 70 00-0014	LF	Pressure Grout, Rotary Drilled Top Of Dam, 6" Nominal Diameter, Inclined.....	129.13
35 01 70 00-0015	LF	Pressure Grout, Rotary Drilled Top Of Dam, 9" Nominal Diameter, Vertical.....	183.47
35 01 70 00-0016	LF	Pressure Grout, Rotary Drilled Top Of Dam, 9" Nominal Diameter, Inclined.....	203.90

35 05 Common Work Results for Waterway and Marine Construction⁽³⁵⁾

35 05 70 Common Work Results for Dams^(35 05)

35 05 70 00-0001 Rubber Dam Repair^(35 05 70)

35 05 70 00-0002	EA	Class A Rubber Dam Repair (Bullet And Similar Holes).....	26.65
35 05 70 00-0003	SF	Class B Rubber Dam Repair (Minor Surface Rubber Damage).....	52.28
35 05 70 00-0004	SF	Class C Rubber Dam Repair (Major Surface Rubber Damage).....	77.28
35 05 70 00-0005	SF	Class D Rubber Dam Repair (Serious Surface Rubber Damage), Per Layer Of Material.....	85.75

35 20 Waterway and Marine Construction and Equipment⁽³⁵⁾

35 22 Hydraulic Gates^(35 20)

35 22 26 Sluice Gates^(35 22)

35 22 26 00-0001 Heavy Duty Cast Iron Sluice Gates Self Contained^(35 22 26)

Note: Includes crank operated geared gate lift, anchor bolts, and grouting.

35 22 26 00-0002	EA	18" x 18" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	7,890.51	985.87
		<i>For Electric Motor Operated Valve, Add</i>	<i>1,047.18</i>	
35 22 26 00-0003	EA	24" x 24" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	11,312.52	1,478.87
		<i>For Electric Motor Operated Valve, Add</i>	<i>1,145.77</i>	
35 22 26 00-0004	EA	30" x 30" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	13,684.42	1,690.13
		<i>For Electric Motor Operated Valve, Add</i>	<i>1,188.03</i>	
35 22 26 00-0005	EA	36" x 36" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	15,592.93	1,848.58
		<i>For Electric Motor Operated Valve, Add</i>	<i>1,219.72</i>	
35 22 26 00-0006	EA	42" x 42" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	17,505.86	2,112.66
		<i>For Electric Motor Operated Valve, Add</i>	<i>1,272.53</i>	
35 22 26 00-0007	EA	48" x 48" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	24,589.58	3,380.26
		<i>For Electric Motor Operated Valve, Add</i>	<i>1,526.05</i>	
35 22 26 00-0008	EA	54" x 54" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	32,719.20	4,225.32
		<i>For Electric Motor Operated Valve, Add</i>	<i>1,695.06</i>	
35 22 26 00-0009	EA	60" x 60" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	38,274.12	5,598.55
		<i>For Electric Motor Operated Valve, Add</i>	<i>1,969.71</i>	
35 22 26 00-0010	EA	66" x 66" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	47,716.18	7,394.32
		<i>For Electric Motor Operated Valve, Add</i>	<i>2,328.86</i>	
35 22 26 00-0011	EA	72" x 72" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	50,210.93	8,450.64
		<i>For Electric Motor Operated Valve, Add</i>	<i>2,540.13</i>	
35 22 26 00-0012	EA	78" x 78" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	56,156.38	8,450.64
		<i>For Electric Motor Operated Valve, Add</i>	<i>2,940.13</i>	
35 22 26 00-0013	EA	84" x 84" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	65,085.76	9,506.98
		<i>For Electric Motor Operated Valve, Add</i>	<i>3,151.40</i>	
35 22 26 00-0014	EA	90" x 90" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	77,855.17	10,762.72
		<i>For Electric Motor Operated Valve, Add</i>	<i>3,402.54</i>	
35 22 26 00-0015	EA	96" x 96" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	87,660.87	11,275.23
		<i>For Electric Motor Operated Valve, Add</i>	<i>3,505.05</i>	

35	Waterway and Marine Construction
35 20	Waterway and Marine Construction and Equipment
35 22	Hydraulic Gates



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 22 26 00-0016	EA		108" x 108" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate <i>For Electric Motor Operated Valve, Add</i>	108,558.15 3,915.05	13,325.28
35 22 26 00-0017	EA		120" x 120" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate <i>For Electric Motor Operated Valve, Add</i>	134,109.50 4,530.07	16,400.33
35 22 26 00-0018	EA		132" x 132" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate <i>For Electric Motor Operated Valve, Add</i>	163,451.60 4,940.08	18,450.38
35 22 73 Other Hydraulic Gates (35 22)					
35 22 73 00-0001 Steel Slide Gates Self Contained (35 22 73)					
Note: Includes anchors and bolts.					
35 22 73 00-0002	EA		12" x 12" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	3,146.59 923.94	369.71
35 22 73 00-0003	EA		18" x 18" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	4,213.35 934.51	422.53
35 22 73 00-0004	EA		24" x 24" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	4,804.45 948.59	492.99
35 22 73 00-0005	EA		30" x 30" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	5,806.92 968.31	591.55
35 22 73 00-0006	EA		36" x 36" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	7,436.16 997.89	739.43
35 22 73 00-0007	EA		42" x 42" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	8,682.43 1,047.18	985.87
35 22 73 00-0008	EA		48" x 48" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	11,867.68 1,145.77	1,478.87
35 22 73 00-0009	EA		54" x 54" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	18,127.12 1,219.72	1,848.58
35 22 73 00-0010	EA		60" x 60" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	23,492.92 1,441.55	2,957.72
35 22 73 00-0011	EA		72" x 72" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	29,614.25 1,835.91	4,929.57
35 22 73 00-0012	SF		Over 36 SF Steel Slide Gates Self Contained Including Anchor <i>For Electric Motor Operated Valve, Add</i>	821.47 1,577.25	136.27
35 22 73 00-0013 Stainless Steel, Slide Gates, Frame Assembly Only (35 22 73)					
35 22 73 00-0014	EA		24" x 24" Stainless Steel Slide Gate, Frame Assembly Only	10,805.09	482.74
35 22 73 00-0015	EA		30" x 30" Stainless Steel Slide Gate, Frame Assembly Only	13,363.68	603.17
35 22 73 00-0016	EA		36" x 36" Stainless Steel Slide Gate, Frame Assembly Only	17,022.61	735.21
35 22 73 00-0017	EA		48" x 48" Stainless Steel Slide Gate, Frame Assembly Only	26,148.90	1,408.09
35 22 73 00-0018	EA		60" x 60" Stainless Steel Slide Gate, Frame Assembly Only	39,104.45	3,072.86
35 22 73 00-0019	EA		72" x 72" Stainless Steel Slide Gate, Frame Assembly Only	51,756.70	4,694.33
35 22 73 00-0020	EA		84" x 84" Stainless Steel Slide Gate, Frame Assembly Only	77,480.38	5,868.97
35 22 73 00-0021	Day		Start Up And Training, Stainless Steel Slide Gate, Frame Assembly	1,972.01	
35 22 73 00-0022 Cast Iron Canal Gates (35 22 73)					
35 22 73 00-0023	EA		12" Diameter Cast Iron Canal Gates With Fabricated Frame <i>For Electric Motor Operated Valve, Add</i>	1,583.19 923.94	369.71
35 22 73 00-0024	EA		18" Diameter Cast Iron Canal Gates With Fabricated Frame <i>For Electric Motor Operated Valve, Add</i>	2,233.68 934.51	422.53
35 22 73 00-0025	EA		20" Diameter Cast Iron Canal Gates With Fabricated Frame <i>For Electric Motor Operated Valve, Add</i>	2,540.81 942.43	462.15
35 22 73 00-0026	EA		24" Diameter Cast Iron Canal Gates With Fabricated Frame <i>For Electric Motor Operated Valve, Add</i>	2,994.10 948.59	492.99
35 22 73 00-0027	EA		30" Diameter Cast Iron Canal Gates With Fabricated Frame <i>For Electric Motor Operated Valve, Add</i>	4,424.24 968.31	591.55
35 22 73 00-0028	EA		36" Diameter Cast Iron Canal Gates With Fabricated Frame <i>For Electric Motor Operated Valve, Add</i>	5,457.91 997.89	739.43
35 22 73 00-0029	EA		42" Diameter Cast Iron Canal Gates With Fabricated Frame <i>For Electric Motor Operated Valve, Add</i>	9,033.22 1,047.18	985.87
35 22 73 00-0030	EA		48" Diameter Cast Iron Canal Gates With Fabricated Frame <i>For Electric Motor Operated Valve, Add</i>	11,912.13 1,145.77	1,478.87
35 22 73 00-0031	EA		54" Diameter Cast Iron Canal Gates With Fabricated Frame <i>For Electric Motor Operated Valve, Add</i>	16,808.07 1,219.72	1,848.58
35 22 73 00-0032	EA		60" Diameter Cast Iron Canal Gates With Fabricated Frame <i>For Electric Motor Operated Valve, Add</i>	21,893.90 1,441.55	2,957.72
35 22 73 00-0033	EA		66" Diameter Cast Iron Canal Gates With Fabricated Frame <i>For Electric Motor Operated Valve, Add</i>	30,122.82 1,589.43	3,697.15
35 22 73 00-0034	EA		72" Diameter Cast Iron Canal Gates With Fabricated Frame <i>For Electric Motor Operated Valve, Add</i>	35,488.22 1,695.06	4,225.32
35 22 73 00-0035 Aluminum Flap Gates (35 22 73)					
35 22 73 00-0036	EA		18" Diameter Aluminum Flap Gates..... <i>For Electric Motor Operated Valve, Add</i>	3,141.30 923.94	369.71
35 22 73 00-0037	EA		20" Diameter Aluminum Flap Gates..... <i>For Electric Motor Operated Valve, Add</i>	3,501.26 929.22	396.13
35 22 73 00-0038	EA		24" Diameter Aluminum Flap Gates..... <i>For Electric Motor Operated Valve, Add</i>	3,857.95 934.51	422.53
35 22 73 00-0039	EA		30" Diameter Aluminum Flap Gates..... <i>For Electric Motor Operated Valve, Add</i>	5,256.41 948.59	492.99



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 22 73 00-0040 EA 36" Diameter Aluminum Flap Gates..... <i>For Electric Motor Operated Valve, Add</i>	6,522.79 968.31	591.55
35 22 73 00-0041 EA 42" Diameter Aluminum Flap Gates..... <i>For Electric Motor Operated Valve, Add</i>	9,264.69 997.89	739.43
35 22 73 00-0042 EA 48" Diameter Aluminum Flap Gates..... <i>For Electric Motor Operated Valve, Add</i>	11,706.05 1,047.18	985.87
35 22 73 00-0043 EA 54" Diameter Aluminum Flap Gates..... <i>For Electric Motor Operated Valve, Add</i>	15,078.42 1,145.77	1,478.87
35 22 73 00-0044 EA 60" Diameter Aluminum Flap Gates..... <i>For Electric Motor Operated Valve, Add</i>	19,880.90 1,272.53	2,112.66
35 22 73 00-0045 EA 66" Diameter Aluminum Flap Gates..... <i>For Electric Motor Operated Valve, Add</i>	25,635.83 1,441.55	2,957.72
35 22 73 00-0046 EA 72" Diameter Aluminum Flap Gates..... <i>For Electric Motor Operated Valve, Add</i>	31,795.02 1,695.06	4,225.32
35 22 73 00-0047 Stainless Steel Flap Gates (35 22 73)		
35 22 73 00-0048 EA 12" x 12" Stainless Steel Flap Gate..... <i>For Electric Motor Operated Valve, Add</i>	4,435.63 913.38	316.90
35 22 73 00-0049 EA 18" x 18" Stainless Steel Flap Gate..... <i>For Electric Motor Operated Valve, Add</i>	5,662.19 923.94	369.71
35 22 73 00-0050 EA 24" x 24" Stainless Steel Flap Gate..... <i>For Electric Motor Operated Valve, Add</i>	7,267.59 934.51	422.53
35 22 73 00-0051 EA 30" x 30" Stainless Steel Flap Gate..... <i>For Electric Motor Operated Valve, Add</i>	9,429.22 948.59	493.30
35 22 73 00-0052 EA 36" x 36" Stainless Steel Flap Gate..... <i>For Electric Motor Operated Valve, Add</i>	13,916.05 968.31	591.55
35 22 73 00-0053 EA 48" x 48" Stainless Steel Flap Gate..... <i>For Electric Motor Operated Valve, Add</i>	20,451.63 1,047.18	985.55
35 22 73 00-0054 EA 60" x 60" Stainless Steel Flap Gate..... <i>For Electric Motor Operated Valve, Add</i>	31,672.59 1,272.53	2,112.66
35 22 73 00-0055 EA 72" x 72" Stainless Steel Flap Gate..... <i>For Electric Motor Operated Valve, Add</i>	46,572.71 1,695.06	4,225.32
35 22 73 00-0056 EA 84" x 84" Stainless Steel Flap Gate..... <i>For Electric Motor Operated Valve, Add</i>	68,296.01 2,540.13	8,450.64
35 22 73 00-0057 DAY Start Up And Training, Stainless Steel Flap Gate..... <i>For Electric Motor Operated Valve, Add</i>	0.00 850.00	
35 22 73 00-0058 Cast Iron Flap Gates (35 22 73)		
35 22 73 00-0059 EA 12" x 12" Cast Iron Flap Gate..... <i>For Electric Motor Operated Valve, Add</i>	7,774.72 929.23	396.13
35 22 73 00-0060 EA 18" x 18" Cast Iron Flap Gate..... <i>For Electric Motor Operated Valve, Add</i>	10,872.56 942.43	462.67
35 22 73 00-0061 EA 24" x 24" Cast Iron Flap Gate..... <i>For Electric Motor Operated Valve, Add</i>	13,848.46 955.63	528.17
35 22 73 00-0062 EA 30" x 30" Cast Iron Flap Gate..... <i>For Electric Motor Operated Valve, Add</i>	19,354.11 973.24	615.84
35 22 73 00-0063 EA 36" x 36" Cast Iron Flap Gate..... <i>For Electric Motor Operated Valve, Add</i>	21,878.79 997.89	739.43
35 22 73 00-0064 EA 48" x 48" Cast Iron Flap Gate..... <i>For Electric Motor Operated Valve, Add</i>	27,361.41 1,096.48	1,232.74
35 22 73 00-0065 EA 60" x 60" Cast Iron Flap Gate..... <i>For Electric Motor Operated Valve, Add</i>	46,960.44 1,314.79	2,323.93
35 22 73 00-0066 EA 72" x 72" Cast Iron Flap Gate..... <i>For Electric Motor Operated Valve, Add</i>	75,250.56 1,758.44	4,542.22
35 22 73 00-0067 EA 84" x 84" Cast Iron Flap Gate..... <i>For Electric Motor Operated Valve, Add</i>	89,361.45 2,624.64	8,873.17
35 22 73 00-0068 Steel Knife Gates Including Handwheel Operator (35 22 73)		
Note: ANSI 150 PSI. for hub, flange, or spigot ends.		
35 22 73 00-0069 EA 6" Diameter Knife Gates Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	1,367.01 875.69	128.45
35 22 73 00-0070 EA 8" Diameter Knife Gates Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	1,833.42 879.97	149.83
35 22 73 00-0071 EA 10" Diameter Knife Gates Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	2,579.23 894.96	224.79
35 22 73 00-0072 EA 12" Diameter Knife Gates Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	3,225.71 909.94	299.75
35 22 73 00-0073 EA 14" Diameter Knife Gates Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	3,943.35 914.22	321.13
35 22 73 00-0074 EA 16" Diameter Knife Gates Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	5,091.18 919.17	345.80
35 22 73 00-0075 EA 18" Diameter Knife Gates Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	6,748.96 921.93	359.66
35 22 73 00-0076 EA 20" Diameter Knife Gates Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	8,430.41 931.74	408.75
35 22 73 00-0077 EA 24" Diameter Knife Gates Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	10,793.72 939.92	449.58
35 22 73 00-0078 EA 30" Diameter Knife Gates Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	19,603.28 969.89	599.40
35 22 73 00-0079 EA 36" Diameter Knife Gates Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	26,100.90 1,029.83	899.15

35	Waterway and Marine Construction
35 20	Waterway and Marine Construction and Equipment
35 22	Hydraulic Gates



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 22 73 00-0080			Steel Hollow Jet Flow Gate Valve <small>(35 22 73)</small>		
35 22 73 00-0081	EA		6" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub.....	1,291.25	147.88
			<i>For Electric Motor Operated Valve, Add</i>	879.58	
35 22 73 00-0082	EA		8" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub.....	1,983.73	172.71
			<i>For Electric Motor Operated Valve, Add</i>	884.54	
35 22 73 00-0083	EA		10" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub.....	2,396.31	258.80
			<i>For Electric Motor Operated Valve, Add</i>	901.76	
35 22 73 00-0084	EA		12" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub.....	3,059.20	344.89
			<i>For Electric Motor Operated Valve, Add</i>	918.99	
35 22 73 00-0085	EA		14" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub.....	4,563.36	369.71
			<i>For Electric Motor Operated Valve, Add</i>	923.94	
35 22 73 00-0086	EA		16" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub.....	5,490.96	398.24
			<i>For Electric Motor Operated Valve, Add</i>	929.65	
35 22 73 00-0087	EA		18" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub.....	9,159.33	414.08
			<i>For Electric Motor Operated Valve, Add</i>	932.82	
35 22 73 00-0088	EA		20" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub.....	11,505.72	470.60
			<i>For Electric Motor Operated Valve, Add</i>	944.12	
35 22 73 00-0089	EA		24" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub.....	16,503.71	517.61
			<i>For Electric Motor Operated Valve, Add</i>	953.53	
35 22 73 00-0090	EA		30" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub.....	20,232.07	690.31
			<i>For Electric Motor Operated Valve, Add</i>	988.06	
35 22 73 00-0091	EA		36" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub.....	28,885.36	1,035.20
			<i>For Electric Motor Operated Valve, Add</i>	1,057.01	
35 22 73 00-0092	EA		42" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub.....	34,434.95	1,267.60
			<i>For Electric Motor Operated Valve, Add</i>	1,503.58	
35 22 73 00-0093	EA		48" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub.....	40,826.58	1,478.87
			<i>For Electric Motor Operated Valve, Add</i>	1,545.77	
35 22 73 00-0094	EA		54" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub.....	53,739.42	1,848.58
			<i>For Electric Motor Operated Valve, Add</i>	1,619.72	
35 22 73 00-0095	EA		60" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub.....	59,894.76	2,218.30
			<i>For Electric Motor Operated Valve, Add</i>	1,693.84	
35 22 73 00-0096	EA		66" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub.....	76,497.87	3,063.36
			<i>For Electric Motor Operated Valve, Add</i>	1,863.13	
35 22 73 00-0097			Steel Dish Head Valve <small>(35 22 73)</small>		
35 22 73 00-0098	EA		12" Diameter Dish Head Valve	1,688.19	369.71
35 22 73 00-0099	EA		18" Diameter Dish Head Valve	2,406.49	422.53
35 22 73 00-0100	EA		20" Diameter Dish Head Valve	2,764.94	462.15
35 22 73 00-0101	EA		24" Diameter Dish Head Valve	3,244.03	492.99
35 22 73 00-0102	EA		30" Diameter Dish Head Valve	4,827.60	591.55
35 22 73 00-0103	EA		36" Diameter Dish Head Valve	5,953.11	739.43
35 22 73 00-0104	EA		42" Diameter Dish Head Valve	9,912.02	985.87
35 22 73 00-0105	EA		48" Diameter Dish Head Valve	13,026.51	1,478.87
35 22 73 00-0106	EA		54" Diameter Dish Head Valve	18,439.74	1,848.58
35 22 73 00-0107	EA		60" Diameter Dish Head Valve	23,882.44	2,957.72
35 22 73 00-0108	EA		66" Diameter Dish Head Valve	32,951.41	3,697.15
35 22 73 00-0109	EA		72" Diameter Dish Head Valve	40,261.52	4,929.57
35 24			Dredging <small>(35 24)</small>		
35 24 23			Clamshell Dredging <small>(35 24)</small>		
35 24 23 00-0001			Dredging, Barge Mounted <small>(35 24 23)</small>		
			See CSI section 01 74 19 00-0036 for hauling material from shore or barge, 31 23 16 33-0019 for loading.		
35 24 23 00-0002	EA		Dredge Excavation Mobilization And Demobilization.....	17,692.25	
			<i>For Inlet Rivers And Canals, Deduct</i>	-4,423.06	
35 24 23 00-0003	CY		Barge Mounted Clamshell Excavation Into Scows, Dumping Up To 10 Miles	19.66	
			Note: Includes tugboat to move scows or barge.		
35 24 23 00-0004	CY		Barge Mounted Dragline Or Clamshell, Hopper Dumped, Pumped 1,000' To Shore.....	17.69	
			Note: Includes tugboat to move barge.		
35 24 23 00-0005	CY		Hydraulic Dredge Excavation Into Scows, Dumping Up To 10 Miles.....	19.58	
			Note: Includes tugboat to move scows or barge.		
35 24 23 00-0006	CY		Hydraulic Dredge Excavation, Pumped 1,000' To Shore	16.43	
			Note: Includes tugboat to move barge.		
35 24 26			Backhoe/Dipper Dredging <small>(35 24)</small>		
35 24 26 00-0001			Dredging, Shoreline Excavators <small>(35 24 26)</small>		
35 24 26 00-0002	CY		Back Hoe, 1 CY Bucket, Dredging From Shore	11.74	
35 24 26 00-0003	CY		Hydraulic Excavator, 2 CY Bucket, Dredging From Shore	7.78	

END OF SECTION 35



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 Process Interconnections

40 05 Common Work Results For Process Interconnections ⁽⁴⁰⁾

40 05 19 Ductile Iron Process Pipe ^(40 05)

40 05 19 00-0001 Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Piping ^(40 05 19)

Note: 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be cement lined in accordance with ANSI/AWWA C104/A21.04. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04. See CSI section 40 05 19 00-2059 for bolts, 40 05 19 00-2074 for gaskets.

40 05 19 00-0002 Flanged End (FxF), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe ^(40 05 19 00-0001)

40 05 19 00-0003 4" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe ^(40 05 19 00-0002)

40 05 19 00-0004	EA 4" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	456.80	173.19
	For Class 52 Rating, Deduct	-21.38	
	For Class 54 Rating, Add	14.58	
	For Class 55 Rating, Add	32.41	
40 05 19 00-0005	EA 4" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	482.19	176.21
	For Class 52 Rating, Deduct	-23.67	
	For Class 54 Rating, Add	16.14	
	For Class 55 Rating, Add	35.87	
40 05 19 00-0006	EA 4" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	507.58	179.24
	For Class 52 Rating, Deduct	-25.96	
	For Class 54 Rating, Add	17.70	
	For Class 55 Rating, Add	39.34	
40 05 19 00-0007	EA 4" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	532.97	182.27
	For Class 52 Rating, Deduct	-28.25	
	For Class 54 Rating, Add	19.26	
	For Class 55 Rating, Add	42.81	
40 05 19 00-0008	EA 4" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	558.35	185.30
	For Class 52 Rating, Deduct	-30.54	
	For Class 54 Rating, Add	20.82	
	For Class 55 Rating, Add	46.28	
40 05 19 00-0009	EA 4" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	583.74	188.33
	For Class 52 Rating, Deduct	-32.82	
	For Class 54 Rating, Add	22.38	
	For Class 55 Rating, Add	49.74	
40 05 19 00-0010	EA 4" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	609.13	191.36
	For Class 52 Rating, Deduct	-35.11	
	For Class 54 Rating, Add	23.94	
	For Class 55 Rating, Add	53.21	
40 05 19 00-0011	EA 4" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	634.51	194.39
	For Class 52 Rating, Deduct	-37.40	
	For Class 54 Rating, Add	25.50	
	For Class 55 Rating, Add	56.68	
40 05 19 00-0012	EA 4" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	659.90	197.40
	For Class 52 Rating, Deduct	-39.69	
	For Class 54 Rating, Add	27.06	
	For Class 55 Rating, Add	60.15	
40 05 19 00-0013	EA 4" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	685.29	200.43
	For Class 52 Rating, Deduct	-41.98	
	For Class 54 Rating, Add	28.62	
	For Class 55 Rating, Add	63.61	
40 05 19 00-0014	EA 4" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	710.68	203.46
	For Class 52 Rating, Deduct	-44.26	
	For Class 54 Rating, Add	30.18	
	For Class 55 Rating, Add	67.08	
40 05 19 00-0015	EA 4" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	736.06	206.49
	For Class 52 Rating, Deduct	-46.55	
	For Class 54 Rating, Add	31.74	
	For Class 55 Rating, Add	70.55	
40 05 19 00-0016	EA 4" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	761.46	209.52
	For Class 52 Rating, Deduct	-48.84	
	For Class 54 Rating, Add	33.30	
	For Class 55 Rating, Add	74.01	
40 05 19 00-0017	EA 4" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	786.85	212.55
	For Class 52 Rating, Deduct	-51.13	
	For Class 54 Rating, Add	34.86	
	For Class 55 Rating, Add	77.48	
40 05 19 00-0018	EA 4" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	812.23	215.58
	For Class 52 Rating, Deduct	-53.42	
	For Class 54 Rating, Add	36.42	
	For Class 55 Rating, Add	80.95	
40 05 19 00-0019	EA 4" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	837.62	218.61
	For Class 52 Rating, Deduct	-55.70	
	For Class 54 Rating, Add	37.98	
	For Class 55 Rating, Add	84.42	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0020	EA		4" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	863.01	221.63
			<i>For Class 52 Rating, Deduct</i>	-57.99	
			<i>For Class 54 Rating, Add</i>	39.54	
			<i>For Class 55 Rating, Add</i>	87.88	
40 05 19 00-0021	EA		4" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	888.40	224.66
			<i>For Class 52 Rating, Deduct</i>	-60.28	
			<i>For Class 54 Rating, Add</i>	41.10	
			<i>For Class 55 Rating, Add</i>	91.35	
40 05 19 00-0022	EA		4" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	913.78	227.69
			<i>For Class 52 Rating, Deduct</i>	-62.57	
			<i>For Class 54 Rating, Add</i>	42.66	
			<i>For Class 55 Rating, Add</i>	94.82	
40 05 19 00-0023	EA		4" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	939.17	230.71
			<i>For Class 52 Rating, Deduct</i>	-64.86	
			<i>For Class 54 Rating, Add</i>	44.22	
			<i>For Class 55 Rating, Add</i>	98.29	
40 05 19 00-0024	EA		4" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	964.56	233.74
			<i>For Class 52 Rating, Deduct</i>	-67.14	
			<i>For Class 54 Rating, Add</i>	45.78	
			<i>For Class 55 Rating, Add</i>	101.75	
40 05 19 00-0025	EA		4" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	989.94	236.77
			<i>For Class 52 Rating, Deduct</i>	-69.43	
			<i>For Class 54 Rating, Add</i>	47.34	
			<i>For Class 55 Rating, Add</i>	105.22	
40 05 19 00-0026	EA		4" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,015.33	239.80
			<i>For Class 52 Rating, Deduct</i>	-71.72	
			<i>For Class 54 Rating, Add</i>	48.90	
			<i>For Class 55 Rating, Add</i>	108.69	
40 05 19 00-0027	EA		4" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,040.72	242.82
			<i>For Class 52 Rating, Deduct</i>	-74.01	
			<i>For Class 54 Rating, Add</i>	50.46	
			<i>For Class 55 Rating, Add</i>	112.16	
40 05 19 00-0028	EA		4" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,066.10	245.85
			<i>For Class 52 Rating, Deduct</i>	-76.30	
			<i>For Class 54 Rating, Add</i>	52.02	
			<i>For Class 55 Rating, Add</i>	115.62	
40 05 19 00-0029	EA		4" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,091.49	248.88
			<i>For Class 52 Rating, Deduct</i>	-78.58	
			<i>For Class 54 Rating, Add</i>	53.58	
			<i>For Class 55 Rating, Add</i>	119.09	
40 05 19 00-0030	EA		4" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,116.88	251.91
			<i>For Class 52 Rating, Deduct</i>	-80.87	
			<i>For Class 54 Rating, Add</i>	55.14	
			<i>For Class 55 Rating, Add</i>	122.56	
40 05 19 00-0031	EA		4" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,142.27	254.94
			<i>For Class 52 Rating, Deduct</i>	-83.16	
			<i>For Class 54 Rating, Add</i>	56.70	
			<i>For Class 55 Rating, Add</i>	126.03	
40 05 19 00-0032	EA		4" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,167.65	257.97
			<i>For Class 52 Rating, Deduct</i>	-85.45	
			<i>For Class 54 Rating, Add</i>	58.26	
			<i>For Class 55 Rating, Add</i>	129.49	
40 05 19 00-0033	EA		4" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,193.04	261.00
			<i>For Class 52 Rating, Deduct</i>	-87.74	
			<i>For Class 54 Rating, Add</i>	59.82	
			<i>For Class 55 Rating, Add</i>	132.96	
40 05 19 00-0034	EA		4" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,218.43	264.01
			<i>For Class 52 Rating, Deduct</i>	-90.02	
			<i>For Class 54 Rating, Add</i>	61.38	
			<i>For Class 55 Rating, Add</i>	136.43	
40 05 19 00-0035	EA		4" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,243.81	267.04
			<i>For Class 52 Rating, Deduct</i>	-92.31	
			<i>For Class 54 Rating, Add</i>	62.94	
			<i>For Class 55 Rating, Add</i>	139.89	
40 05 19 00-0036	EA		4" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,269.20	270.07
			<i>For Class 52 Rating, Deduct</i>	-94.60	
			<i>For Class 54 Rating, Add</i>	64.50	
			<i>For Class 55 Rating, Add</i>	143.36	
40 05 19 00-0037	EA		4" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,294.59	273.10
			<i>For Class 52 Rating, Deduct</i>	-96.89	
			<i>For Class 54 Rating, Add</i>	66.06	
			<i>For Class 55 Rating, Add</i>	146.83	
40 05 19 00-0038	EA		4" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,319.98	276.13
			<i>For Class 52 Rating, Deduct</i>	-99.18	
			<i>For Class 54 Rating, Add</i>	67.62	
			<i>For Class 55 Rating, Add</i>	150.30	
40 05 19 00-0039	EA		4" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,345.36	279.16
			<i>For Class 52 Rating, Deduct</i>	-101.46	
			<i>For Class 54 Rating, Add</i>	69.18	
			<i>For Class 55 Rating, Add</i>	153.76	
40 05 19 00-0040	EA		4" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,370.75	282.19
			<i>For Class 52 Rating, Deduct</i>	-103.75	
			<i>For Class 54 Rating, Add</i>	70.74	
			<i>For Class 55 Rating, Add</i>	157.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0041 EA 4" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,396.14	285.22
<i>For Class 52 Rating, Deduct</i>	-106.04	
<i>For Class 54 Rating, Add</i>	72.30	
<i>For Class 55 Rating, Add</i>	160.70	
40 05 19 00-0042 EA 4" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,421.53	288.24
<i>For Class 52 Rating, Deduct</i>	-108.33	
<i>For Class 54 Rating, Add</i>	73.86	
<i>For Class 55 Rating, Add</i>	164.17	
40 05 19 00-0043 6" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0044 EA 6" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	577.50	217.99
<i>For Class 52 Rating, Deduct</i>	-27.19	
<i>For Class 54 Rating, Add</i>	18.54	
<i>For Class 55 Rating, Add</i>	41.21	
40 05 19 00-0045 EA 6" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	607.69	221.02
<i>For Class 52 Rating, Deduct</i>	-30.01	
<i>For Class 54 Rating, Add</i>	20.46	
<i>For Class 55 Rating, Add</i>	45.48	
40 05 19 00-0046 EA 6" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	637.88	224.05
<i>For Class 52 Rating, Deduct</i>	-32.82	
<i>For Class 54 Rating, Add</i>	22.38	
<i>For Class 55 Rating, Add</i>	49.74	
40 05 19 00-0047 EA 6" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	668.06	227.08
<i>For Class 52 Rating, Deduct</i>	-35.64	
<i>For Class 54 Rating, Add</i>	24.30	
<i>For Class 55 Rating, Add</i>	54.01	
40 05 19 00-0048 EA 6" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	698.25	230.11
<i>For Class 52 Rating, Deduct</i>	-38.46	
<i>For Class 54 Rating, Add</i>	26.22	
<i>For Class 55 Rating, Add</i>	58.28	
40 05 19 00-0049 EA 6" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	728.44	233.14
<i>For Class 52 Rating, Deduct</i>	-41.27	
<i>For Class 54 Rating, Add</i>	28.14	
<i>For Class 55 Rating, Add</i>	62.55	
40 05 19 00-0050 EA 6" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	758.62	236.17
<i>For Class 52 Rating, Deduct</i>	-44.09	
<i>For Class 54 Rating, Add</i>	30.06	
<i>For Class 55 Rating, Add</i>	66.81	
40 05 19 00-0051 EA 6" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	788.81	239.19
<i>For Class 52 Rating, Deduct</i>	-46.90	
<i>For Class 54 Rating, Add</i>	31.98	
<i>For Class 55 Rating, Add</i>	71.08	
40 05 19 00-0052 EA 6" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	819.00	242.22
<i>For Class 52 Rating, Deduct</i>	-49.72	
<i>For Class 54 Rating, Add</i>	33.90	
<i>For Class 55 Rating, Add</i>	75.35	
40 05 19 00-0053 EA 6" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	849.19	245.25
<i>For Class 52 Rating, Deduct</i>	-52.54	
<i>For Class 54 Rating, Add</i>	35.82	
<i>For Class 55 Rating, Add</i>	79.62	
40 05 19 00-0054 EA 6" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	879.37	248.28
<i>For Class 52 Rating, Deduct</i>	-55.35	
<i>For Class 54 Rating, Add</i>	37.74	
<i>For Class 55 Rating, Add</i>	83.88	
40 05 19 00-0055 EA 6" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	909.56	251.30
<i>For Class 52 Rating, Deduct</i>	-58.17	
<i>For Class 54 Rating, Add</i>	39.66	
<i>For Class 55 Rating, Add</i>	88.15	
40 05 19 00-0056 EA 6" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	939.75	254.33
<i>For Class 52 Rating, Deduct</i>	-60.98	
<i>For Class 54 Rating, Add</i>	41.58	
<i>For Class 55 Rating, Add</i>	92.42	
40 05 19 00-0057 EA 6" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	969.93	257.36
<i>For Class 52 Rating, Deduct</i>	-63.80	
<i>For Class 54 Rating, Add</i>	43.50	
<i>For Class 55 Rating, Add</i>	96.69	
40 05 19 00-0058 EA 6" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,000.12	260.38
<i>For Class 52 Rating, Deduct</i>	-66.62	
<i>For Class 54 Rating, Add</i>	45.42	
<i>For Class 55 Rating, Add</i>	100.95	
40 05 19 00-0059 EA 6" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,030.31	263.41
<i>For Class 52 Rating, Deduct</i>	-69.43	
<i>For Class 54 Rating, Add</i>	47.34	
<i>For Class 55 Rating, Add</i>	105.22	
40 05 19 00-0060 EA 6" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,060.50	266.44
<i>For Class 52 Rating, Deduct</i>	-72.25	
<i>For Class 54 Rating, Add</i>	49.26	
<i>For Class 55 Rating, Add</i>	109.49	
40 05 19 00-0061 EA 6" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,090.68	269.47
<i>For Class 52 Rating, Deduct</i>	-75.06	
<i>For Class 54 Rating, Add</i>	51.18	
<i>For Class 55 Rating, Add</i>	113.76	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0062	EA		6" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,120.88	272.50
			<i>For Class 52 Rating, Deduct</i>	-77.88	
			<i>For Class 54 Rating, Add</i>	53.10	
			<i>For Class 55 Rating, Add</i>	118.02	
40 05 19 00-0063	EA		6" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,151.07	275.53
			<i>For Class 52 Rating, Deduct</i>	-80.70	
			<i>For Class 54 Rating, Add</i>	55.02	
			<i>For Class 55 Rating, Add</i>	122.29	
40 05 19 00-0064	EA		6" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,181.25	278.56
			<i>For Class 52 Rating, Deduct</i>	-83.51	
			<i>For Class 54 Rating, Add</i>	56.94	
			<i>For Class 55 Rating, Add</i>	126.56	
40 05 19 00-0065	EA		6" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,211.44	281.59
			<i>For Class 52 Rating, Deduct</i>	-86.33	
			<i>For Class 54 Rating, Add</i>	58.86	
			<i>For Class 55 Rating, Add</i>	130.83	
40 05 19 00-0066	EA		6" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,241.63	284.60
			<i>For Class 52 Rating, Deduct</i>	-89.14	
			<i>For Class 54 Rating, Add</i>	60.78	
			<i>For Class 55 Rating, Add</i>	135.09	
40 05 19 00-0067	EA		6" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,271.82	287.63
			<i>For Class 52 Rating, Deduct</i>	-91.96	
			<i>For Class 54 Rating, Add</i>	62.70	
			<i>For Class 55 Rating, Add</i>	139.36	
40 05 19 00-0068	EA		6" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,302.00	290.66
			<i>For Class 52 Rating, Deduct</i>	-94.78	
			<i>For Class 54 Rating, Add</i>	64.62	
			<i>For Class 55 Rating, Add</i>	143.63	
40 05 19 00-0069	EA		6" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,332.19	293.69
			<i>For Class 52 Rating, Deduct</i>	-97.59	
			<i>For Class 54 Rating, Add</i>	66.54	
			<i>For Class 55 Rating, Add</i>	147.90	
40 05 19 00-0070	EA		6" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,362.38	296.72
			<i>For Class 52 Rating, Deduct</i>	-100.41	
			<i>For Class 54 Rating, Add</i>	68.46	
			<i>For Class 55 Rating, Add</i>	152.16	
40 05 19 00-0071	EA		6" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,392.56	299.75
			<i>For Class 52 Rating, Deduct</i>	-103.22	
			<i>For Class 54 Rating, Add</i>	70.38	
			<i>For Class 55 Rating, Add</i>	156.43	
40 05 19 00-0072	EA		6" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,422.75	302.78
			<i>For Class 52 Rating, Deduct</i>	-106.04	
			<i>For Class 54 Rating, Add</i>	72.30	
			<i>For Class 55 Rating, Add</i>	160.70	
40 05 19 00-0073	EA		6" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,452.94	305.80
			<i>For Class 52 Rating, Deduct</i>	-108.86	
			<i>For Class 54 Rating, Add</i>	74.22	
			<i>For Class 55 Rating, Add</i>	164.97	
40 05 19 00-0074	EA		6" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,483.12	308.83
			<i>For Class 52 Rating, Deduct</i>	-111.67	
			<i>For Class 54 Rating, Add</i>	76.14	
			<i>For Class 55 Rating, Add</i>	169.23	
40 05 19 00-0075	EA		6" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,513.31	311.86
			<i>For Class 52 Rating, Deduct</i>	-114.49	
			<i>For Class 54 Rating, Add</i>	78.06	
			<i>For Class 55 Rating, Add</i>	173.50	
40 05 19 00-0076	EA		6" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,543.50	314.89
			<i>For Class 52 Rating, Deduct</i>	-117.30	
			<i>For Class 54 Rating, Add</i>	79.98	
			<i>For Class 55 Rating, Add</i>	177.77	
40 05 19 00-0077	EA		6" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,573.69	317.91
			<i>For Class 52 Rating, Deduct</i>	-120.12	
			<i>For Class 54 Rating, Add</i>	81.90	
			<i>For Class 55 Rating, Add</i>	182.04	
40 05 19 00-0078	EA		6" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,603.87	320.94
			<i>For Class 52 Rating, Deduct</i>	-122.94	
			<i>For Class 54 Rating, Add</i>	83.82	
			<i>For Class 55 Rating, Add</i>	186.30	
40 05 19 00-0079	EA		6" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,634.06	323.97
			<i>For Class 52 Rating, Deduct</i>	-125.75	
			<i>For Class 54 Rating, Add</i>	85.74	
			<i>For Class 55 Rating, Add</i>	190.57	
40 05 19 00-0080	EA		6" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,664.25	327.00
			<i>For Class 52 Rating, Deduct</i>	-128.57	
			<i>For Class 54 Rating, Add</i>	87.66	
			<i>For Class 55 Rating, Add</i>	194.84	
40 05 19 00-0081	EA		6" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,694.43	330.02
			<i>For Class 52 Rating, Deduct</i>	-131.38	
			<i>For Class 54 Rating, Add</i>	89.58	
			<i>For Class 55 Rating, Add</i>	199.11	
40 05 19 00-0082	EA		6" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,724.62	333.05
			<i>For Class 52 Rating, Deduct</i>	-134.20	
			<i>For Class 54 Rating, Add</i>	91.50	
			<i>For Class 55 Rating, Add</i>	203.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0083 8" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0084 EA 8" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	786.05	278.56
<i>For Class 52 Rating, Deduct</i>	-40.04	
<i>For Class 54 Rating, Add</i>	27.30	
<i>For Class 55 Rating, Add</i>	60.68	
40 05 19 00-0085 EA 8" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	825.84	281.59
<i>For Class 52 Rating, Deduct</i>	-43.91	
<i>For Class 54 Rating, Add</i>	29.94	
<i>For Class 55 Rating, Add</i>	66.55	
40 05 19 00-0086 EA 8" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	865.63	284.60
<i>For Class 52 Rating, Deduct</i>	-47.78	
<i>For Class 54 Rating, Add</i>	32.58	
<i>For Class 55 Rating, Add</i>	72.41	
40 05 19 00-0087 EA 8" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	905.42	287.63
<i>For Class 52 Rating, Deduct</i>	-51.66	
<i>For Class 54 Rating, Add</i>	35.22	
<i>For Class 55 Rating, Add</i>	78.28	
40 05 19 00-0088 EA 8" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	945.20	290.66
<i>For Class 52 Rating, Deduct</i>	-55.53	
<i>For Class 54 Rating, Add</i>	37.86	
<i>For Class 55 Rating, Add</i>	84.15	
40 05 19 00-0089 EA 8" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	984.99	293.69
<i>For Class 52 Rating, Deduct</i>	-59.40	
<i>For Class 54 Rating, Add</i>	40.50	
<i>For Class 55 Rating, Add</i>	90.02	
40 05 19 00-0090 EA 8" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,024.78	296.72
<i>For Class 52 Rating, Deduct</i>	-63.27	
<i>For Class 54 Rating, Add</i>	43.14	
<i>For Class 55 Rating, Add</i>	95.89	
40 05 19 00-0091 EA 8" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,064.56	299.75
<i>For Class 52 Rating, Deduct</i>	-67.14	
<i>For Class 54 Rating, Add</i>	45.78	
<i>For Class 55 Rating, Add</i>	101.75	
40 05 19 00-0092 EA 8" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,104.35	302.78
<i>For Class 52 Rating, Deduct</i>	-71.02	
<i>For Class 54 Rating, Add</i>	48.42	
<i>For Class 55 Rating, Add</i>	107.62	
40 05 19 00-0093 EA 8" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,144.14	305.80
<i>For Class 52 Rating, Deduct</i>	-74.89	
<i>For Class 54 Rating, Add</i>	51.06	
<i>For Class 55 Rating, Add</i>	113.49	
40 05 19 00-0094 EA 8" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,183.92	308.83
<i>For Class 52 Rating, Deduct</i>	-78.76	
<i>For Class 54 Rating, Add</i>	53.70	
<i>For Class 55 Rating, Add</i>	119.36	
40 05 19 00-0095 EA 8" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,223.71	311.86
<i>For Class 52 Rating, Deduct</i>	-82.63	
<i>For Class 54 Rating, Add</i>	56.34	
<i>For Class 55 Rating, Add</i>	125.23	
40 05 19 00-0096 EA 8" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,263.50	314.89
<i>For Class 52 Rating, Deduct</i>	-86.50	
<i>For Class 54 Rating, Add</i>	58.98	
<i>For Class 55 Rating, Add</i>	131.09	
40 05 19 00-0097 EA 8" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,303.29	317.91
<i>For Class 52 Rating, Deduct</i>	-90.38	
<i>For Class 54 Rating, Add</i>	61.62	
<i>For Class 55 Rating, Add</i>	136.96	
40 05 19 00-0098 EA 8" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,343.07	320.94
<i>For Class 52 Rating, Deduct</i>	-94.25	
<i>For Class 54 Rating, Add</i>	64.26	
<i>For Class 55 Rating, Add</i>	142.83	
40 05 19 00-0099 EA 8" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,382.86	323.97
<i>For Class 52 Rating, Deduct</i>	-98.12	
<i>For Class 54 Rating, Add</i>	66.90	
<i>For Class 55 Rating, Add</i>	148.70	
40 05 19 00-0100 EA 8" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,422.65	327.00
<i>For Class 52 Rating, Deduct</i>	-101.99	
<i>For Class 54 Rating, Add</i>	69.54	
<i>For Class 55 Rating, Add</i>	154.56	
40 05 19 00-0101 EA 8" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,462.43	330.02
<i>For Class 52 Rating, Deduct</i>	-105.86	
<i>For Class 54 Rating, Add</i>	72.18	
<i>For Class 55 Rating, Add</i>	160.43	
40 05 19 00-0102 EA 8" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,502.22	333.05
<i>For Class 52 Rating, Deduct</i>	-109.74	
<i>For Class 54 Rating, Add</i>	74.82	
<i>For Class 55 Rating, Add</i>	166.30	
40 05 19 00-0103 EA 8" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,542.01	336.08
<i>For Class 52 Rating, Deduct</i>	-113.61	
<i>For Class 54 Rating, Add</i>	77.46	
<i>For Class 55 Rating, Add</i>	172.17	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0104	EA		8" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,581.80	339.11
			<i>For Class 52 Rating, Deduct</i>	-117.48	
			<i>For Class 54 Rating, Add</i>	80.10	
			<i>For Class 55 Rating, Add</i>	178.04	
40 05 19 00-0105	EA		8" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,621.58	342.14
			<i>For Class 52 Rating, Deduct</i>	-121.35	
			<i>For Class 54 Rating, Add</i>	82.74	
			<i>For Class 55 Rating, Add</i>	183.90	
40 05 19 00-0106	EA		8" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,661.37	345.17
			<i>For Class 52 Rating, Deduct</i>	-125.22	
			<i>For Class 54 Rating, Add</i>	85.38	
			<i>For Class 55 Rating, Add</i>	189.77	
40 05 19 00-0107	EA		8" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,701.16	348.20
			<i>For Class 52 Rating, Deduct</i>	-129.10	
			<i>For Class 54 Rating, Add</i>	88.02	
			<i>For Class 55 Rating, Add</i>	195.64	
40 05 19 00-0108	EA		8" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,740.95	351.21
			<i>For Class 52 Rating, Deduct</i>	-132.97	
			<i>For Class 54 Rating, Add</i>	90.66	
			<i>For Class 55 Rating, Add</i>	201.51	
40 05 19 00-0109	EA		8" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,780.74	354.24
			<i>For Class 52 Rating, Deduct</i>	-136.84	
			<i>For Class 54 Rating, Add</i>	93.30	
			<i>For Class 55 Rating, Add</i>	207.37	
40 05 19 00-0110	EA		8" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,820.53	357.27
			<i>For Class 52 Rating, Deduct</i>	-140.71	
			<i>For Class 54 Rating, Add</i>	95.94	
			<i>For Class 55 Rating, Add</i>	213.24	
40 05 19 00-0111	EA		8" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,860.32	360.30
			<i>For Class 52 Rating, Deduct</i>	-144.58	
			<i>For Class 54 Rating, Add</i>	98.58	
			<i>For Class 55 Rating, Add</i>	219.11	
40 05 19 00-0112	EA		8" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,900.10	363.33
			<i>For Class 52 Rating, Deduct</i>	-148.46	
			<i>For Class 54 Rating, Add</i>	101.22	
			<i>For Class 55 Rating, Add</i>	224.98	
40 05 19 00-0113	EA		8" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,939.89	366.36
			<i>For Class 52 Rating, Deduct</i>	-152.33	
			<i>For Class 54 Rating, Add</i>	103.86	
			<i>For Class 55 Rating, Add</i>	230.85	
40 05 19 00-0114	EA		8" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,979.68	369.39
			<i>For Class 52 Rating, Deduct</i>	-156.20	
			<i>For Class 54 Rating, Add</i>	106.50	
			<i>For Class 55 Rating, Add</i>	236.71	
40 05 19 00-0115	EA		8" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,019.46	372.41
			<i>For Class 52 Rating, Deduct</i>	-160.07	
			<i>For Class 54 Rating, Add</i>	109.14	
			<i>For Class 55 Rating, Add</i>	242.58	
40 05 19 00-0116	EA		8" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,059.25	375.44
			<i>For Class 52 Rating, Deduct</i>	-163.94	
			<i>For Class 54 Rating, Add</i>	111.78	
			<i>For Class 55 Rating, Add</i>	248.45	
40 05 19 00-0117	EA		8" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,099.04	378.47
			<i>For Class 52 Rating, Deduct</i>	-167.82	
			<i>For Class 54 Rating, Add</i>	114.42	
			<i>For Class 55 Rating, Add</i>	254.32	
40 05 19 00-0118	EA		8" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,138.83	381.50
			<i>For Class 52 Rating, Deduct</i>	-171.69	
			<i>For Class 54 Rating, Add</i>	117.06	
			<i>For Class 55 Rating, Add</i>	260.19	
40 05 19 00-0119	EA		8" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,178.61	384.52
			<i>For Class 52 Rating, Deduct</i>	-175.56	
			<i>For Class 54 Rating, Add</i>	119.70	
			<i>For Class 55 Rating, Add</i>	266.05	
40 05 19 00-0120	EA		8" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,218.40	387.55
			<i>For Class 52 Rating, Deduct</i>	-179.43	
			<i>For Class 54 Rating, Add</i>	122.34	
			<i>For Class 55 Rating, Add</i>	271.92	
40 05 19 00-0121	EA		8" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,258.19	390.58
			<i>For Class 52 Rating, Deduct</i>	-183.30	
			<i>For Class 54 Rating, Add</i>	124.98	
			<i>For Class 55 Rating, Add</i>	277.79	
40 05 19 00-0122	EA		8" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,297.97	393.61
			<i>For Class 52 Rating, Deduct</i>	-187.18	
			<i>For Class 54 Rating, Add</i>	127.62	
			<i>For Class 55 Rating, Add</i>	283.66	
40 05 19 00-0123			10" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0124	EA		10" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	981.00	339.11
			<i>For Class 52 Rating, Deduct</i>	-51.39	
			<i>For Class 54 Rating, Add</i>	35.04	
			<i>For Class 55 Rating, Add</i>	77.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0125 EA 10" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,031.98	342.14
<i>For Class 52 Rating, Deduct</i>	-56.50	
<i>For Class 54 Rating, Add</i>	38.52	
<i>For Class 55 Rating, Add</i>	85.62	
40 05 19 00-0126 EA 10" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,082.97	345.17
<i>For Class 52 Rating, Deduct</i>	-61.60	
<i>For Class 54 Rating, Add</i>	42.00	
<i>For Class 55 Rating, Add</i>	93.35	
40 05 19 00-0127 EA 10" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,133.96	348.20
<i>For Class 52 Rating, Deduct</i>	-66.70	
<i>For Class 54 Rating, Add</i>	45.48	
<i>For Class 55 Rating, Add</i>	101.09	
40 05 19 00-0128 EA 10" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,184.95	351.21
<i>For Class 52 Rating, Deduct</i>	-71.81	
<i>For Class 54 Rating, Add</i>	48.96	
<i>For Class 55 Rating, Add</i>	108.82	
40 05 19 00-0129 EA 10" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,235.94	354.24
<i>For Class 52 Rating, Deduct</i>	-76.91	
<i>For Class 54 Rating, Add</i>	52.44	
<i>For Class 55 Rating, Add</i>	116.56	
40 05 19 00-0130 EA 10" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,286.93	357.27
<i>For Class 52 Rating, Deduct</i>	-82.02	
<i>For Class 54 Rating, Add</i>	55.92	
<i>For Class 55 Rating, Add</i>	124.29	
40 05 19 00-0131 EA 10" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,337.92	360.30
<i>For Class 52 Rating, Deduct</i>	-87.12	
<i>For Class 54 Rating, Add</i>	59.40	
<i>For Class 55 Rating, Add</i>	132.03	
40 05 19 00-0132 EA 10" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,388.90	363.33
<i>For Class 52 Rating, Deduct</i>	-92.22	
<i>For Class 54 Rating, Add</i>	62.88	
<i>For Class 55 Rating, Add</i>	139.76	
40 05 19 00-0133 EA 10" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,439.89	366.36
<i>For Class 52 Rating, Deduct</i>	-97.33	
<i>For Class 54 Rating, Add</i>	66.36	
<i>For Class 55 Rating, Add</i>	147.50	
40 05 19 00-0134 EA 10" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,490.88	369.39
<i>For Class 52 Rating, Deduct</i>	-102.43	
<i>For Class 54 Rating, Add</i>	69.84	
<i>For Class 55 Rating, Add</i>	155.23	
40 05 19 00-0135 EA 10" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,541.86	372.41
<i>For Class 52 Rating, Deduct</i>	-107.54	
<i>For Class 54 Rating, Add</i>	73.32	
<i>For Class 55 Rating, Add</i>	162.97	
40 05 19 00-0136 EA 10" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,592.85	375.44
<i>For Class 52 Rating, Deduct</i>	-112.64	
<i>For Class 54 Rating, Add</i>	76.80	
<i>For Class 55 Rating, Add</i>	170.70	
40 05 19 00-0137 EA 10" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,643.84	378.47
<i>For Class 52 Rating, Deduct</i>	-117.74	
<i>For Class 54 Rating, Add</i>	80.28	
<i>For Class 55 Rating, Add</i>	178.44	
40 05 19 00-0138 EA 10" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,694.83	381.50
<i>For Class 52 Rating, Deduct</i>	-122.85	
<i>For Class 54 Rating, Add</i>	83.76	
<i>For Class 55 Rating, Add</i>	186.17	
40 05 19 00-0139 EA 10" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,745.81	384.52
<i>For Class 52 Rating, Deduct</i>	-127.95	
<i>For Class 54 Rating, Add</i>	87.24	
<i>For Class 55 Rating, Add</i>	193.91	
40 05 19 00-0140 EA 10" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,796.80	387.55
<i>For Class 52 Rating, Deduct</i>	-133.06	
<i>For Class 54 Rating, Add</i>	90.72	
<i>For Class 55 Rating, Add</i>	201.64	
40 05 19 00-0141 EA 10" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,847.79	390.58
<i>For Class 52 Rating, Deduct</i>	-138.16	
<i>For Class 54 Rating, Add</i>	94.20	
<i>For Class 55 Rating, Add</i>	209.38	
40 05 19 00-0142 EA 10" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,898.77	393.61
<i>For Class 52 Rating, Deduct</i>	-143.26	
<i>For Class 54 Rating, Add</i>	97.68	
<i>For Class 55 Rating, Add</i>	217.11	
40 05 19 00-0143 EA 10" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,949.76	396.63
<i>For Class 52 Rating, Deduct</i>	-148.37	
<i>For Class 54 Rating, Add</i>	101.16	
<i>For Class 55 Rating, Add</i>	224.84	
40 05 19 00-0144 EA 10" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,000.75	399.66
<i>For Class 52 Rating, Deduct</i>	-153.47	
<i>For Class 54 Rating, Add</i>	104.64	
<i>For Class 55 Rating, Add</i>	232.58	
40 05 19 00-0145 EA 10" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,051.74	402.69
<i>For Class 52 Rating, Deduct</i>	-158.58	
<i>For Class 54 Rating, Add</i>	108.12	
<i>For Class 55 Rating, Add</i>	240.31	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0146 EA 10" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,102.72	405.72
For Class 52 Rating, Deduct	-163.68	
For Class 54 Rating, Add	111.60	
For Class 55 Rating, Add	248.05	
40 05 19 00-0147 EA 10" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,153.71	408.75
For Class 52 Rating, Deduct	-168.78	
For Class 54 Rating, Add	115.08	
For Class 55 Rating, Add	255.78	
40 05 19 00-0148 EA 10" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,204.70	411.78
For Class 52 Rating, Deduct	-173.89	
For Class 54 Rating, Add	118.56	
For Class 55 Rating, Add	263.52	
40 05 19 00-0149 EA 10" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,255.68	414.81
For Class 52 Rating, Deduct	-178.99	
For Class 54 Rating, Add	122.04	
For Class 55 Rating, Add	271.25	
40 05 19 00-0150 EA 10" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,306.67	417.82
For Class 52 Rating, Deduct	-184.10	
For Class 54 Rating, Add	125.52	
For Class 55 Rating, Add	278.99	
40 05 19 00-0151 EA 10" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,357.66	420.85
For Class 52 Rating, Deduct	-189.20	
For Class 54 Rating, Add	129.00	
For Class 55 Rating, Add	286.72	
40 05 19 00-0152 EA 10" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,408.64	423.88
For Class 52 Rating, Deduct	-194.30	
For Class 54 Rating, Add	132.48	
For Class 55 Rating, Add	294.46	
40 05 19 00-0153 EA 10" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,459.64	426.91
For Class 52 Rating, Deduct	-199.41	
For Class 54 Rating, Add	135.96	
For Class 55 Rating, Add	302.19	
40 05 19 00-0154 EA 10" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,510.63	429.94
For Class 52 Rating, Deduct	-204.51	
For Class 54 Rating, Add	139.44	
For Class 55 Rating, Add	309.93	
40 05 19 00-0155 EA 10" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,560.82	432.97
For Class 52 Rating, Deduct	-209.53	
For Class 54 Rating, Add	142.86	
For Class 55 Rating, Add	317.53	
40 05 19 00-0156 EA 10" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,612.60	436.00
For Class 52 Rating, Deduct	-214.72	
For Class 54 Rating, Add	146.40	
For Class 55 Rating, Add	325.40	
40 05 19 00-0157 EA 10" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,663.59	439.03
For Class 52 Rating, Deduct	-219.82	
For Class 54 Rating, Add	149.88	
For Class 55 Rating, Add	333.13	
40 05 19 00-0158 EA 10" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,714.58	442.05
For Class 52 Rating, Deduct	-224.93	
For Class 54 Rating, Add	153.36	
For Class 55 Rating, Add	340.87	
40 05 19 00-0159 EA 10" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,765.56	445.08
For Class 52 Rating, Deduct	-230.03	
For Class 54 Rating, Add	156.84	
For Class 55 Rating, Add	348.60	
40 05 19 00-0160 EA 10" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,816.55	448.11
For Class 52 Rating, Deduct	-235.14	
For Class 54 Rating, Add	160.32	
For Class 55 Rating, Add	356.34	
40 05 19 00-0161 EA 10" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,867.54	451.13
For Class 52 Rating, Deduct	-240.24	
For Class 54 Rating, Add	163.80	
For Class 55 Rating, Add	364.07	
40 05 19 00-0162 EA 10" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,918.53	454.16
For Class 52 Rating, Deduct	-245.34	
For Class 54 Rating, Add	167.28	
For Class 55 Rating, Add	371.81	
40 05 19 00-0163 12" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)		
40 05 19 00-0164 EA 12" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,267.84	423.88
For Class 52 Rating, Deduct	-68.82	
For Class 54 Rating, Add	46.92	
For Class 55 Rating, Add	104.29	
40 05 19 00-0165 EA 12" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,330.84	426.91
For Class 52 Rating, Deduct	-75.24	
For Class 54 Rating, Add	51.30	
For Class 55 Rating, Add	114.02	
40 05 19 00-0166 EA 12" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,393.83	429.94
For Class 52 Rating, Deduct	-81.66	
For Class 54 Rating, Add	55.68	
For Class 55 Rating, Add	123.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0167 EA 12" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,456.82	432.97
<i>For Class 52 Rating, Deduct</i>	-88.09	
<i>For Class 54 Rating, Add</i>	60.06	
<i>For Class 55 Rating, Add</i>	133.49	
40 05 19 00-0168 EA 12" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,519.80	436.00
<i>For Class 52 Rating, Deduct</i>	-94.51	
<i>For Class 54 Rating, Add</i>	64.44	
<i>For Class 55 Rating, Add</i>	143.23	
40 05 19 00-0169 EA 12" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,582.79	439.03
<i>For Class 52 Rating, Deduct</i>	-100.94	
<i>For Class 54 Rating, Add</i>	68.82	
<i>For Class 55 Rating, Add</i>	152.96	
40 05 19 00-0170 EA 12" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,645.78	442.05
<i>For Class 52 Rating, Deduct</i>	-107.36	
<i>For Class 54 Rating, Add</i>	73.20	
<i>For Class 55 Rating, Add</i>	162.70	
40 05 19 00-0171 EA 12" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,708.76	445.08
<i>For Class 52 Rating, Deduct</i>	-113.78	
<i>For Class 54 Rating, Add</i>	77.58	
<i>For Class 55 Rating, Add</i>	172.43	
40 05 19 00-0172 EA 12" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,771.75	448.11
<i>For Class 52 Rating, Deduct</i>	-120.21	
<i>For Class 54 Rating, Add</i>	81.96	
<i>For Class 55 Rating, Add</i>	182.17	
40 05 19 00-0173 EA 12" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,834.74	451.13
<i>For Class 52 Rating, Deduct</i>	-126.63	
<i>For Class 54 Rating, Add</i>	86.34	
<i>For Class 55 Rating, Add</i>	191.91	
40 05 19 00-0174 EA 12" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,897.73	454.16
<i>For Class 52 Rating, Deduct</i>	-133.06	
<i>For Class 54 Rating, Add</i>	90.72	
<i>For Class 55 Rating, Add</i>	201.64	
40 05 19 00-0175 EA 12" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,960.71	457.19
<i>For Class 52 Rating, Deduct</i>	-139.48	
<i>For Class 54 Rating, Add</i>	95.10	
<i>For Class 55 Rating, Add</i>	211.38	
40 05 19 00-0176 EA 12" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,023.70	460.22
<i>For Class 52 Rating, Deduct</i>	-145.90	
<i>For Class 54 Rating, Add</i>	99.48	
<i>For Class 55 Rating, Add</i>	221.11	
40 05 19 00-0177 EA 12" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,086.69	463.24
<i>For Class 52 Rating, Deduct</i>	-152.33	
<i>For Class 54 Rating, Add</i>	103.86	
<i>For Class 55 Rating, Add</i>	230.85	
40 05 19 00-0178 EA 12" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,149.67	466.27
<i>For Class 52 Rating, Deduct</i>	-158.75	
<i>For Class 54 Rating, Add</i>	108.24	
<i>For Class 55 Rating, Add</i>	240.58	
40 05 19 00-0179 EA 12" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,212.66	469.30
<i>For Class 52 Rating, Deduct</i>	-165.18	
<i>For Class 54 Rating, Add</i>	112.62	
<i>For Class 55 Rating, Add</i>	250.32	
40 05 19 00-0180 EA 12" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,275.65	472.33
<i>For Class 52 Rating, Deduct</i>	-171.60	
<i>For Class 54 Rating, Add</i>	117.00	
<i>For Class 55 Rating, Add</i>	260.05	
40 05 19 00-0181 EA 12" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,338.64	475.36
<i>For Class 52 Rating, Deduct</i>	-178.02	
<i>For Class 54 Rating, Add</i>	121.38	
<i>For Class 55 Rating, Add</i>	269.79	
40 05 19 00-0182 EA 12" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,401.62	478.39
<i>For Class 52 Rating, Deduct</i>	-184.45	
<i>For Class 54 Rating, Add</i>	125.76	
<i>For Class 55 Rating, Add</i>	279.52	
40 05 19 00-0183 EA 12" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,464.61	481.42
<i>For Class 52 Rating, Deduct</i>	-190.87	
<i>For Class 54 Rating, Add</i>	130.14	
<i>For Class 55 Rating, Add</i>	289.26	
40 05 19 00-0184 EA 12" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,527.60	484.44
<i>For Class 52 Rating, Deduct</i>	-197.30	
<i>For Class 54 Rating, Add</i>	134.52	
<i>For Class 55 Rating, Add</i>	298.99	
40 05 19 00-0185 EA 12" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,590.58	487.46
<i>For Class 52 Rating, Deduct</i>	-203.72	
<i>For Class 54 Rating, Add</i>	138.90	
<i>For Class 55 Rating, Add</i>	308.73	
40 05 19 00-0186 EA 12" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,653.57	490.49
<i>For Class 52 Rating, Deduct</i>	-210.14	
<i>For Class 54 Rating, Add</i>	143.28	
<i>For Class 55 Rating, Add</i>	318.46	
40 05 19 00-0187 EA 12" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,716.56	493.52
<i>For Class 52 Rating, Deduct</i>	-216.57	
<i>For Class 54 Rating, Add</i>	147.66	
<i>For Class 55 Rating, Add</i>	328.20	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0188 EA 12" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,779.55	496.55
For Class 52 Rating, Deduct	-222.99	
For Class 54 Rating, Add	152.04	
For Class 55 Rating, Add	337.93	
40 05 19 00-0189 EA 12" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,842.53	499.58
For Class 52 Rating, Deduct	-229.42	
For Class 54 Rating, Add	156.42	
For Class 55 Rating, Add	347.67	
40 05 19 00-0190 EA 12" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,905.52	502.61
For Class 52 Rating, Deduct	-235.84	
For Class 54 Rating, Add	160.80	
For Class 55 Rating, Add	357.40	
40 05 19 00-0191 EA 12" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,968.52	505.64
For Class 52 Rating, Deduct	-242.26	
For Class 54 Rating, Add	165.18	
For Class 55 Rating, Add	367.14	
40 05 19 00-0192 EA 12" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,031.50	508.66
For Class 52 Rating, Deduct	-248.69	
For Class 54 Rating, Add	169.56	
For Class 55 Rating, Add	376.88	
40 05 19 00-0193 EA 12" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,094.49	511.69
For Class 52 Rating, Deduct	-255.11	
For Class 54 Rating, Add	173.94	
For Class 55 Rating, Add	386.61	
40 05 19 00-0194 EA 12" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,157.48	514.72
For Class 52 Rating, Deduct	-261.54	
For Class 54 Rating, Add	178.32	
For Class 55 Rating, Add	396.35	
40 05 19 00-0195 EA 12" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,220.47	517.74
For Class 52 Rating, Deduct	-267.96	
For Class 54 Rating, Add	182.70	
For Class 55 Rating, Add	406.08	
40 05 19 00-0196 EA 12" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,283.45	520.77
For Class 52 Rating, Deduct	-274.38	
For Class 54 Rating, Add	187.08	
For Class 55 Rating, Add	415.82	
40 05 19 00-0197 EA 12" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,346.44	523.80
For Class 52 Rating, Deduct	-280.81	
For Class 54 Rating, Add	191.46	
For Class 55 Rating, Add	425.55	
40 05 19 00-0198 EA 12" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,409.43	526.83
For Class 52 Rating, Deduct	-287.23	
For Class 54 Rating, Add	195.84	
For Class 55 Rating, Add	435.29	
40 05 19 00-0199 EA 12" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,472.41	529.85
For Class 52 Rating, Deduct	-293.66	
For Class 54 Rating, Add	200.22	
For Class 55 Rating, Add	445.02	
40 05 19 00-0200 EA 12" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,535.40	532.88
For Class 52 Rating, Deduct	-300.08	
For Class 54 Rating, Add	204.60	
For Class 55 Rating, Add	454.76	
40 05 19 00-0201 EA 12" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,598.39	535.91
For Class 52 Rating, Deduct	-306.50	
For Class 54 Rating, Add	208.98	
For Class 55 Rating, Add	464.49	
40 05 19 00-0202 EA 12" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,661.37	538.94
For Class 52 Rating, Deduct	-312.93	
For Class 54 Rating, Add	213.36	
For Class 55 Rating, Add	474.23	
40 05 19 00-0203 14" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0204 EA 14" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,646.70	508.66
For Class 52 Rating, Deduct	-96.36	
For Class 54 Rating, Add	65.70	
For Class 55 Rating, Add	146.03	
40 05 19 00-0205 EA 14" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,722.49	511.69
For Class 52 Rating, Deduct	-104.19	
For Class 54 Rating, Add	71.04	
For Class 55 Rating, Add	157.90	
40 05 19 00-0206 EA 14" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,798.28	514.72
For Class 52 Rating, Deduct	-112.02	
For Class 54 Rating, Add	76.38	
For Class 55 Rating, Add	169.77	
40 05 19 00-0207 EA 14" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,874.07	517.74
For Class 52 Rating, Deduct	-119.86	
For Class 54 Rating, Add	81.72	
For Class 55 Rating, Add	181.64	
40 05 19 00-0208 EA 14" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,949.85	520.77
For Class 52 Rating, Deduct	-127.69	
For Class 54 Rating, Add	87.06	
For Class 55 Rating, Add	193.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0209 EA 14" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,025.64	523.80
<i>For Class 52 Rating, Deduct</i>	-135.52	
<i>For Class 54 Rating, Add</i>	92.40	
<i>For Class 55 Rating, Add</i>	205.37	
40 05 19 00-0210 EA 14" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,101.43	526.83
<i>For Class 52 Rating, Deduct</i>	-143.35	
<i>For Class 54 Rating, Add</i>	97.74	
<i>For Class 55 Rating, Add</i>	217.24	
40 05 19 00-0211 EA 14" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,177.21	529.85
<i>For Class 52 Rating, Deduct</i>	-151.18	
<i>For Class 54 Rating, Add</i>	103.08	
<i>For Class 55 Rating, Add</i>	229.11	
40 05 19 00-0212 EA 14" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,253.00	532.88
<i>For Class 52 Rating, Deduct</i>	-159.02	
<i>For Class 54 Rating, Add</i>	108.42	
<i>For Class 55 Rating, Add</i>	240.98	
40 05 19 00-0213 EA 14" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,328.79	535.91
<i>For Class 52 Rating, Deduct</i>	-166.85	
<i>For Class 54 Rating, Add</i>	113.76	
<i>For Class 55 Rating, Add</i>	252.85	
40 05 19 00-0214 EA 14" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,404.57	538.94
<i>For Class 52 Rating, Deduct</i>	-174.68	
<i>For Class 54 Rating, Add</i>	119.10	
<i>For Class 55 Rating, Add</i>	264.72	
40 05 19 00-0215 EA 14" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,480.36	541.97
<i>For Class 52 Rating, Deduct</i>	-182.51	
<i>For Class 54 Rating, Add</i>	124.44	
<i>For Class 55 Rating, Add</i>	276.59	
40 05 19 00-0216 EA 14" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,556.15	545.00
<i>For Class 52 Rating, Deduct</i>	-190.34	
<i>For Class 54 Rating, Add</i>	129.78	
<i>For Class 55 Rating, Add</i>	288.46	
40 05 19 00-0217 EA 14" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,631.94	548.03
<i>For Class 52 Rating, Deduct</i>	-198.18	
<i>For Class 54 Rating, Add</i>	135.12	
<i>For Class 55 Rating, Add</i>	300.33	
40 05 19 00-0218 EA 14" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,707.72	551.05
<i>For Class 52 Rating, Deduct</i>	-206.01	
<i>For Class 54 Rating, Add</i>	140.46	
<i>For Class 55 Rating, Add</i>	312.20	
40 05 19 00-0219 EA 14" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,783.51	554.07
<i>For Class 52 Rating, Deduct</i>	-213.84	
<i>For Class 54 Rating, Add</i>	145.80	
<i>For Class 55 Rating, Add</i>	324.06	
40 05 19 00-0220 EA 14" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,859.30	557.10
<i>For Class 52 Rating, Deduct</i>	-221.67	
<i>For Class 54 Rating, Add</i>	151.14	
<i>For Class 55 Rating, Add</i>	335.93	
40 05 19 00-0221 EA 14" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,935.08	560.13
<i>For Class 52 Rating, Deduct</i>	-229.50	
<i>For Class 54 Rating, Add</i>	156.48	
<i>For Class 55 Rating, Add</i>	347.80	
40 05 19 00-0222 EA 14" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,010.87	563.16
<i>For Class 52 Rating, Deduct</i>	-237.34	
<i>For Class 54 Rating, Add</i>	161.82	
<i>For Class 55 Rating, Add</i>	359.67	
40 05 19 00-0223 EA 14" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,086.66	566.19
<i>For Class 52 Rating, Deduct</i>	-245.17	
<i>For Class 54 Rating, Add</i>	167.16	
<i>For Class 55 Rating, Add</i>	371.54	
40 05 19 00-0224 EA 14" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,162.45	569.22
<i>For Class 52 Rating, Deduct</i>	-253.00	
<i>For Class 54 Rating, Add</i>	172.50	
<i>For Class 55 Rating, Add</i>	383.41	
40 05 19 00-0225 EA 14" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,238.23	572.25
<i>For Class 52 Rating, Deduct</i>	-260.83	
<i>For Class 54 Rating, Add</i>	177.84	
<i>For Class 55 Rating, Add</i>	395.28	
40 05 19 00-0226 EA 14" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,314.02	575.27
<i>For Class 52 Rating, Deduct</i>	-268.66	
<i>For Class 54 Rating, Add</i>	183.18	
<i>For Class 55 Rating, Add</i>	407.15	
40 05 19 00-0227 EA 14" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,389.81	578.30
<i>For Class 52 Rating, Deduct</i>	-276.50	
<i>For Class 54 Rating, Add</i>	188.52	
<i>For Class 55 Rating, Add</i>	419.02	
40 05 19 00-0228 EA 14" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,465.59	581.33
<i>For Class 52 Rating, Deduct</i>	-284.33	
<i>For Class 54 Rating, Add</i>	193.86	
<i>For Class 55 Rating, Add</i>	430.89	
40 05 19 00-0229 EA 14" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,541.39	584.35
<i>For Class 52 Rating, Deduct</i>	-292.16	
<i>For Class 54 Rating, Add</i>	199.20	
<i>For Class 55 Rating, Add</i>	442.76	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0230	EA		14" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,617.18	587.38
			<i>For Class 52 Rating, Deduct</i>	-299.99	
			<i>For Class 54 Rating, Add</i>	204.54	
			<i>For Class 55 Rating, Add</i>	454.62	
40 05 19 00-0231	EA		14" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,692.97	590.41
			<i>For Class 52 Rating, Deduct</i>	-307.82	
			<i>For Class 54 Rating, Add</i>	209.88	
			<i>For Class 55 Rating, Add</i>	466.49	
40 05 19 00-0232	EA		14" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,768.75	593.44
			<i>For Class 52 Rating, Deduct</i>	-315.66	
			<i>For Class 54 Rating, Add</i>	215.22	
			<i>For Class 55 Rating, Add</i>	478.36	
40 05 19 00-0233	EA		14" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,844.54	596.47
			<i>For Class 52 Rating, Deduct</i>	-323.49	
			<i>For Class 54 Rating, Add</i>	220.56	
			<i>For Class 55 Rating, Add</i>	490.23	
40 05 19 00-0234	EA		14" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,920.33	599.49
			<i>For Class 52 Rating, Deduct</i>	-331.32	
			<i>For Class 54 Rating, Add</i>	225.90	
			<i>For Class 55 Rating, Add</i>	502.10	
40 05 19 00-0235	EA		14" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,996.11	602.52
			<i>For Class 52 Rating, Deduct</i>	-339.15	
			<i>For Class 54 Rating, Add</i>	231.24	
			<i>For Class 55 Rating, Add</i>	513.97	
40 05 19 00-0236	EA		14" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,071.90	605.55
			<i>For Class 52 Rating, Deduct</i>	-346.98	
			<i>For Class 54 Rating, Add</i>	236.58	
			<i>For Class 55 Rating, Add</i>	525.84	
40 05 19 00-0237	EA		14" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,147.69	608.58
			<i>For Class 52 Rating, Deduct</i>	-354.82	
			<i>For Class 54 Rating, Add</i>	241.92	
			<i>For Class 55 Rating, Add</i>	537.71	
40 05 19 00-0238	EA		14" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,223.48	611.61
			<i>For Class 52 Rating, Deduct</i>	-362.65	
			<i>For Class 54 Rating, Add</i>	247.26	
			<i>For Class 55 Rating, Add</i>	549.58	
40 05 19 00-0239	EA		14" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,299.26	614.64
			<i>For Class 52 Rating, Deduct</i>	-370.48	
			<i>For Class 54 Rating, Add</i>	252.60	
			<i>For Class 55 Rating, Add</i>	561.45	
40 05 19 00-0240	EA		14" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,375.05	617.66
			<i>For Class 52 Rating, Deduct</i>	-378.31	
			<i>For Class 54 Rating, Add</i>	257.94	
			<i>For Class 55 Rating, Add</i>	573.31	
40 05 19 00-0241	EA		14" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,450.84	620.68
			<i>For Class 52 Rating, Deduct</i>	-386.14	
			<i>For Class 54 Rating, Add</i>	263.28	
			<i>For Class 55 Rating, Add</i>	585.18	
40 05 19 00-0242			16" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0243	EA		16" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,919.19	581.33
			<i>For Class 52 Rating, Deduct</i>	-114.22	
			<i>For Class 54 Rating, Add</i>	77.88	
			<i>For Class 55 Rating, Add</i>	173.10	
40 05 19 00-0244	EA		16" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,006.99	584.35
			<i>For Class 52 Rating, Deduct</i>	-123.38	
			<i>For Class 54 Rating, Add</i>	84.12	
			<i>For Class 55 Rating, Add</i>	186.97	
40 05 19 00-0245	EA		16" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,094.78	587.38
			<i>For Class 52 Rating, Deduct</i>	-132.53	
			<i>For Class 54 Rating, Add</i>	90.36	
			<i>For Class 55 Rating, Add</i>	200.84	
40 05 19 00-0246	EA		16" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,182.57	590.41
			<i>For Class 52 Rating, Deduct</i>	-141.68	
			<i>For Class 54 Rating, Add</i>	96.60	
			<i>For Class 55 Rating, Add</i>	214.71	
40 05 19 00-0247	EA		16" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,270.35	593.44
			<i>For Class 52 Rating, Deduct</i>	-150.83	
			<i>For Class 54 Rating, Add</i>	102.84	
			<i>For Class 55 Rating, Add</i>	228.58	
40 05 19 00-0248	EA		16" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,358.14	596.47
			<i>For Class 52 Rating, Deduct</i>	-159.98	
			<i>For Class 54 Rating, Add</i>	109.08	
			<i>For Class 55 Rating, Add</i>	242.45	
40 05 19 00-0249	EA		16" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,445.93	599.49
			<i>For Class 52 Rating, Deduct</i>	-169.14	
			<i>For Class 54 Rating, Add</i>	115.32	
			<i>For Class 55 Rating, Add</i>	256.32	
40 05 19 00-0250	EA		16" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,533.71	602.52
			<i>For Class 52 Rating, Deduct</i>	-178.29	
			<i>For Class 54 Rating, Add</i>	121.56	
			<i>For Class 55 Rating, Add</i>	270.19	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-0251	EA	16" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,621.50		605.55
		For Class 52 Rating, Deduct	-187.44		
		For Class 54 Rating, Add	127.80		
		For Class 55 Rating, Add	284.06		
40 05 19 00-0252	EA	16" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,709.29		608.58
		For Class 52 Rating, Deduct	-196.59		
		For Class 54 Rating, Add	134.04		
		For Class 55 Rating, Add	297.93		
40 05 19 00-0253	EA	16" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,797.08		611.61
		For Class 52 Rating, Deduct	-205.74		
		For Class 54 Rating, Add	140.28		
		For Class 55 Rating, Add	311.80		
40 05 19 00-0254	EA	16" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,884.86		614.64
		For Class 52 Rating, Deduct	-214.90		
		For Class 54 Rating, Add	146.52		
		For Class 55 Rating, Add	325.67		
40 05 19 00-0255	EA	16" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,972.65		617.66
		For Class 52 Rating, Deduct	-224.05		
		For Class 54 Rating, Add	152.76		
		For Class 55 Rating, Add	339.53		
40 05 19 00-0256	EA	16" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,060.44		620.68
		For Class 52 Rating, Deduct	-233.20		
		For Class 54 Rating, Add	159.00		
		For Class 55 Rating, Add	353.40		
40 05 19 00-0257	EA	16" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,148.22		623.71
		For Class 52 Rating, Deduct	-242.35		
		For Class 54 Rating, Add	165.24		
		For Class 55 Rating, Add	367.27		
40 05 19 00-0258	EA	16" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,236.01		626.74
		For Class 52 Rating, Deduct	-251.50		
		For Class 54 Rating, Add	171.48		
		For Class 55 Rating, Add	381.14		
40 05 19 00-0259	EA	16" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,323.80		629.77
		For Class 52 Rating, Deduct	-260.66		
		For Class 54 Rating, Add	177.72		
		For Class 55 Rating, Add	395.01		
40 05 19 00-0260	EA	16" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,411.59		632.80
		For Class 52 Rating, Deduct	-269.81		
		For Class 54 Rating, Add	183.96		
		For Class 55 Rating, Add	408.88		
40 05 19 00-0261	EA	16" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,499.37		635.83
		For Class 52 Rating, Deduct	-278.96		
		For Class 54 Rating, Add	190.20		
		For Class 55 Rating, Add	422.75		
40 05 19 00-0262	EA	16" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,587.16		638.86
		For Class 52 Rating, Deduct	-288.11		
		For Class 54 Rating, Add	196.44		
		For Class 55 Rating, Add	436.62		
40 05 19 00-0263	EA	16" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,674.95		641.89
		For Class 52 Rating, Deduct	-297.26		
		For Class 54 Rating, Add	202.68		
		For Class 55 Rating, Add	450.49		
40 05 19 00-0264	EA	16" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,762.73		644.91
		For Class 52 Rating, Deduct	-306.42		
		For Class 54 Rating, Add	208.92		
		For Class 55 Rating, Add	464.36		
40 05 19 00-0265	EA	16" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,850.52		647.94
		For Class 52 Rating, Deduct	-315.57		
		For Class 54 Rating, Add	215.16		
		For Class 55 Rating, Add	478.23		
40 05 19 00-0266	EA	16" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,938.31		650.96
		For Class 52 Rating, Deduct	-324.72		
		For Class 54 Rating, Add	221.40		
		For Class 55 Rating, Add	492.10		
40 05 19 00-0267	EA	16" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,026.09		653.99
		For Class 52 Rating, Deduct	-333.87		
		For Class 54 Rating, Add	227.64		
		For Class 55 Rating, Add	505.97		
40 05 19 00-0268	EA	16" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,113.88		657.02
		For Class 52 Rating, Deduct	-343.02		
		For Class 54 Rating, Add	233.88		
		For Class 55 Rating, Add	519.84		
40 05 19 00-0269	EA	16" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,201.67		660.05
		For Class 52 Rating, Deduct	-352.18		
		For Class 54 Rating, Add	240.12		
		For Class 55 Rating, Add	533.71		
40 05 19 00-0270	EA	16" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,289.47		663.08
		For Class 52 Rating, Deduct	-361.33		
		For Class 54 Rating, Add	246.36		
		For Class 55 Rating, Add	547.58		
40 05 19 00-0271	EA	16" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,377.25		666.10
		For Class 52 Rating, Deduct	-370.48		
		For Class 54 Rating, Add	252.60		
		For Class 55 Rating, Add	561.45		

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0272	EA		16" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,465.04	669.13
			<i>For Class 52 Rating, Deduct</i>	-379.63	
			<i>For Class 54 Rating, Add</i>	258.84	
			<i>For Class 55 Rating, Add</i>	575.32	
40 05 19 00-0273	EA		16" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,552.83	672.16
			<i>For Class 52 Rating, Deduct</i>	-388.78	
			<i>For Class 54 Rating, Add</i>	265.08	
			<i>For Class 55 Rating, Add</i>	589.18	
40 05 19 00-0274	EA		16" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,640.61	675.19
			<i>For Class 52 Rating, Deduct</i>	-397.94	
			<i>For Class 54 Rating, Add</i>	271.32	
			<i>For Class 55 Rating, Add</i>	603.05	
40 05 19 00-0275	EA		16" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,728.40	678.22
			<i>For Class 52 Rating, Deduct</i>	-407.09	
			<i>For Class 54 Rating, Add</i>	277.56	
			<i>For Class 55 Rating, Add</i>	616.92	
40 05 19 00-0276	EA		16" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,816.19	681.25
			<i>For Class 52 Rating, Deduct</i>	-416.24	
			<i>For Class 54 Rating, Add</i>	283.80	
			<i>For Class 55 Rating, Add</i>	630.79	
40 05 19 00-0277	EA		16" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,903.98	684.27
			<i>For Class 52 Rating, Deduct</i>	-425.39	
			<i>For Class 54 Rating, Add</i>	290.04	
			<i>For Class 55 Rating, Add</i>	644.66	
40 05 19 00-0278	EA		16" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,991.76	687.30
			<i>For Class 52 Rating, Deduct</i>	-434.54	
			<i>For Class 54 Rating, Add</i>	296.28	
			<i>For Class 55 Rating, Add</i>	658.53	
40 05 19 00-0279	EA		16" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,079.55	690.32
			<i>For Class 52 Rating, Deduct</i>	-443.70	
			<i>For Class 54 Rating, Add</i>	302.52	
			<i>For Class 55 Rating, Add</i>	672.40	
40 05 19 00-0280	EA		16" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,167.34	693.35
			<i>For Class 52 Rating, Deduct</i>	-452.85	
			<i>For Class 54 Rating, Add</i>	308.76	
			<i>For Class 55 Rating, Add</i>	686.27	
40 05 19 00-0281			18" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0282	EA		18" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,216.73	655.20
			<i>For Class 52 Rating, Deduct</i>	-134.64	
			<i>For Class 54 Rating, Add</i>	91.80	
			<i>For Class 55 Rating, Add</i>	204.04	
40 05 19 00-0283	EA		18" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,317.32	658.23
			<i>For Class 52 Rating, Deduct</i>	-145.20	
			<i>For Class 54 Rating, Add</i>	99.00	
			<i>For Class 55 Rating, Add</i>	220.04	
40 05 19 00-0284	EA		18" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,417.91	661.26
			<i>For Class 52 Rating, Deduct</i>	-155.76	
			<i>For Class 54 Rating, Add</i>	106.20	
			<i>For Class 55 Rating, Add</i>	236.05	
40 05 19 00-0285	EA		18" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,518.50	664.29
			<i>For Class 52 Rating, Deduct</i>	-166.32	
			<i>For Class 54 Rating, Add</i>	113.40	
			<i>For Class 55 Rating, Add</i>	252.05	
40 05 19 00-0286	EA		18" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,619.08	667.32
			<i>For Class 52 Rating, Deduct</i>	-176.88	
			<i>For Class 54 Rating, Add</i>	120.60	
			<i>For Class 55 Rating, Add</i>	268.05	
40 05 19 00-0287	EA		18" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,719.67	670.35
			<i>For Class 52 Rating, Deduct</i>	-187.44	
			<i>For Class 54 Rating, Add</i>	127.80	
			<i>For Class 55 Rating, Add</i>	284.06	
40 05 19 00-0288	EA		18" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,820.26	673.38
			<i>For Class 52 Rating, Deduct</i>	-198.00	
			<i>For Class 54 Rating, Add</i>	135.00	
			<i>For Class 55 Rating, Add</i>	300.06	
40 05 19 00-0289	EA		18" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,920.84	676.39
			<i>For Class 52 Rating, Deduct</i>	-208.56	
			<i>For Class 54 Rating, Add</i>	142.20	
			<i>For Class 55 Rating, Add</i>	316.06	
40 05 19 00-0290	EA		18" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,021.43	679.42
			<i>For Class 52 Rating, Deduct</i>	-219.12	
			<i>For Class 54 Rating, Add</i>	149.40	
			<i>For Class 55 Rating, Add</i>	332.07	
40 05 19 00-0291	EA		18" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,122.02	682.45
			<i>For Class 52 Rating, Deduct</i>	-229.68	
			<i>For Class 54 Rating, Add</i>	156.60	
			<i>For Class 55 Rating, Add</i>	348.07	
40 05 19 00-0292	EA		18" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,222.60	685.48
			<i>For Class 52 Rating, Deduct</i>	-240.24	
			<i>For Class 54 Rating, Add</i>	163.80	
			<i>For Class 55 Rating, Add</i>	364.07	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0293	EA		18" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe 3,323.19 For Class 52 Rating, Deduct -250.80 For Class 54 Rating, Add 171.00 For Class 55 Rating, Add 380.08		688.51
40 05 19 00-0294	EA		18" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe 3,423.78 For Class 52 Rating, Deduct -261.36 For Class 54 Rating, Add 178.20 For Class 55 Rating, Add 396.08		691.54
40 05 19 00-0295	EA		18" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe 3,524.38 For Class 52 Rating, Deduct -271.92 For Class 54 Rating, Add 185.40 For Class 55 Rating, Add 412.08		694.57
40 05 19 00-0296	EA		18" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe 3,624.96 For Class 52 Rating, Deduct -282.48 For Class 54 Rating, Add 192.60 For Class 55 Rating, Add 428.09		697.59
40 05 19 00-0297	EA		18" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe 3,725.55 For Class 52 Rating, Deduct -293.04 For Class 54 Rating, Add 199.80 For Class 55 Rating, Add 444.09		700.62
40 05 19 00-0298	EA		18" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe 3,826.14 For Class 52 Rating, Deduct -303.60 For Class 54 Rating, Add 207.00 For Class 55 Rating, Add 460.09		703.65
40 05 19 00-0299	EA		18" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe 3,926.72 For Class 52 Rating, Deduct -314.16 For Class 54 Rating, Add 214.20 For Class 55 Rating, Add 476.10		706.68
40 05 19 00-0300	EA		18" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe 4,027.31 For Class 52 Rating, Deduct -324.72 For Class 54 Rating, Add 221.40 For Class 55 Rating, Add 492.10		709.70
40 05 19 00-0301	EA		18" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe 4,127.90 For Class 52 Rating, Deduct -335.28 For Class 54 Rating, Add 228.60 For Class 55 Rating, Add 508.10		712.73
40 05 19 00-0302	EA		18" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe 4,228.49 For Class 52 Rating, Deduct -345.84 For Class 54 Rating, Add 235.80 For Class 55 Rating, Add 524.10		715.76
40 05 19 00-0303	EA		18" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe 4,329.07 For Class 52 Rating, Deduct -356.40 For Class 54 Rating, Add 243.00 For Class 55 Rating, Add 540.11		718.79
40 05 19 00-0304	EA		18" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe 4,429.66 For Class 52 Rating, Deduct -366.96 For Class 54 Rating, Add 250.20 For Class 55 Rating, Add 556.11		721.81
40 05 19 00-0305	EA		18" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe 4,530.25 For Class 52 Rating, Deduct -377.52 For Class 54 Rating, Add 257.40 For Class 55 Rating, Add 572.11		724.84
40 05 19 00-0306	EA		18" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe 4,630.83 For Class 52 Rating, Deduct -388.08 For Class 54 Rating, Add 264.60 For Class 55 Rating, Add 588.12		727.87
40 05 19 00-0307	EA		18" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe 4,731.42 For Class 52 Rating, Deduct -398.64 For Class 54 Rating, Add 271.80 For Class 55 Rating, Add 604.12		730.90
40 05 19 00-0308	EA		18" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe 4,832.01 For Class 52 Rating, Deduct -409.20 For Class 54 Rating, Add 279.00 For Class 55 Rating, Add 620.12		733.93
40 05 19 00-0309	EA		18" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe 4,932.60 For Class 52 Rating, Deduct -419.76 For Class 54 Rating, Add 286.20 For Class 55 Rating, Add 636.13		736.96
40 05 19 00-0310	EA		18" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe 5,033.18 For Class 52 Rating, Deduct -430.32 For Class 54 Rating, Add 293.40 For Class 55 Rating, Add 652.13		739.99
40 05 19 00-0311	EA		18" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe 5,133.77 For Class 52 Rating, Deduct -440.88 For Class 54 Rating, Add 300.60 For Class 55 Rating, Add 668.13		743.00
40 05 19 00-0312	EA		18" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe 5,234.36 For Class 52 Rating, Deduct -451.44 For Class 54 Rating, Add 307.80 For Class 55 Rating, Add 684.14		746.03
40 05 19 00-0313	EA		18" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe 5,334.94 For Class 52 Rating, Deduct -462.00 For Class 54 Rating, Add 315.00 For Class 55 Rating, Add 700.14		749.06

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-0314	EA	18" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,435.53	752.09
		<i>For Class 52 Rating, Deduct</i>	-472.56	
		<i>For Class 54 Rating, Add</i>	322.20	
		<i>For Class 55 Rating, Add</i>	716.14	
40 05 19 00-0315	EA	18" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,536.12	755.12
		<i>For Class 52 Rating, Deduct</i>	-483.12	
		<i>For Class 54 Rating, Add</i>	329.40	
		<i>For Class 55 Rating, Add</i>	732.15	
40 05 19 00-0316	EA	18" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,636.71	758.15
		<i>For Class 52 Rating, Deduct</i>	-493.68	
		<i>For Class 54 Rating, Add</i>	336.60	
		<i>For Class 55 Rating, Add</i>	748.15	
40 05 19 00-0317	EA	18" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,737.29	761.18
		<i>For Class 52 Rating, Deduct</i>	-504.24	
		<i>For Class 54 Rating, Add</i>	343.80	
		<i>For Class 55 Rating, Add</i>	764.15	
40 05 19 00-0318	EA	18" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,837.88	764.21
		<i>For Class 52 Rating, Deduct</i>	-514.80	
		<i>For Class 54 Rating, Add</i>	351.00	
		<i>For Class 55 Rating, Add</i>	780.16	
40 05 19 00-0319	EA	18" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,938.47	767.23
		<i>For Class 52 Rating, Deduct</i>	-525.36	
		<i>For Class 54 Rating, Add</i>	358.20	
		<i>For Class 55 Rating, Add</i>	796.16	
40 05 19 00-0320		20" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0321	EA	20" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,580.32	747.86
		<i>For Class 52 Rating, Deduct</i>	-159.19	
		<i>For Class 54 Rating, Add</i>	108.54	
		<i>For Class 55 Rating, Add</i>	241.25	
40 05 19 00-0322	EA	20" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,695.30	750.88
		<i>For Class 52 Rating, Deduct</i>	-171.34	
		<i>For Class 54 Rating, Add</i>	116.82	
		<i>For Class 55 Rating, Add</i>	259.65	
40 05 19 00-0323	EA	20" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,810.29	753.91
		<i>For Class 52 Rating, Deduct</i>	-183.48	
		<i>For Class 54 Rating, Add</i>	125.10	
		<i>For Class 55 Rating, Add</i>	278.06	
40 05 19 00-0324	EA	20" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,925.28	756.93
		<i>For Class 52 Rating, Deduct</i>	-195.62	
		<i>For Class 54 Rating, Add</i>	133.38	
		<i>For Class 55 Rating, Add</i>	296.46	
40 05 19 00-0325	EA	20" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,040.26	759.96
		<i>For Class 52 Rating, Deduct</i>	-207.77	
		<i>For Class 54 Rating, Add</i>	141.66	
		<i>For Class 55 Rating, Add</i>	314.86	
40 05 19 00-0326	EA	20" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,155.25	762.99
		<i>For Class 52 Rating, Deduct</i>	-219.91	
		<i>For Class 54 Rating, Add</i>	149.94	
		<i>For Class 55 Rating, Add</i>	333.27	
40 05 19 00-0327	EA	20" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,270.24	766.02
		<i>For Class 52 Rating, Deduct</i>	-232.06	
		<i>For Class 54 Rating, Add</i>	158.22	
		<i>For Class 55 Rating, Add</i>	351.67	
40 05 19 00-0328	EA	20" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,385.22	769.05
		<i>For Class 52 Rating, Deduct</i>	-244.20	
		<i>For Class 54 Rating, Add</i>	166.50	
		<i>For Class 55 Rating, Add</i>	370.07	
40 05 19 00-0329	EA	20" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,500.21	772.08
		<i>For Class 52 Rating, Deduct</i>	-256.34	
		<i>For Class 54 Rating, Add</i>	174.78	
		<i>For Class 55 Rating, Add</i>	388.48	
40 05 19 00-0330	EA	20" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,615.20	775.11
		<i>For Class 52 Rating, Deduct</i>	-268.49	
		<i>For Class 54 Rating, Add</i>	183.06	
		<i>For Class 55 Rating, Add</i>	406.88	
40 05 19 00-0331	EA	20" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,730.19	778.13
		<i>For Class 52 Rating, Deduct</i>	-280.63	
		<i>For Class 54 Rating, Add</i>	191.34	
		<i>For Class 55 Rating, Add</i>	425.29	
40 05 19 00-0332	EA	20" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,845.17	781.16
		<i>For Class 52 Rating, Deduct</i>	-292.78	
		<i>For Class 54 Rating, Add</i>	199.62	
		<i>For Class 55 Rating, Add</i>	443.69	
40 05 19 00-0333	EA	20" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,960.16	784.18
		<i>For Class 52 Rating, Deduct</i>	-304.92	
		<i>For Class 54 Rating, Add</i>	207.90	
		<i>For Class 55 Rating, Add</i>	462.09	
40 05 19 00-0334	EA	20" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,075.15	787.21
		<i>For Class 52 Rating, Deduct</i>	-317.06	
		<i>For Class 54 Rating, Add</i>	216.18	
		<i>For Class 55 Rating, Add</i>	480.50	



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	40
Ductile Iron Process Pipe 40 05 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0335 EA 20" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,190.13	790.24
For Class 52 Rating, Deduct	-329.21	
For Class 54 Rating, Add	224.46	
For Class 55 Rating, Add	498.90	
40 05 19 00-0336 EA 20" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,305.12	793.27
For Class 52 Rating, Deduct	-341.35	
For Class 54 Rating, Add	232.74	
For Class 55 Rating, Add	517.30	
40 05 19 00-0337 EA 20" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,420.11	796.30
For Class 52 Rating, Deduct	-353.50	
For Class 54 Rating, Add	241.02	
For Class 55 Rating, Add	535.71	
40 05 19 00-0338 EA 20" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,535.10	799.33
For Class 52 Rating, Deduct	-365.64	
For Class 54 Rating, Add	249.30	
For Class 55 Rating, Add	554.11	
40 05 19 00-0339 EA 20" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,650.08	802.35
For Class 52 Rating, Deduct	-377.78	
For Class 54 Rating, Add	257.58	
For Class 55 Rating, Add	572.51	
40 05 19 00-0340 EA 20" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,765.07	805.38
For Class 52 Rating, Deduct	-389.93	
For Class 54 Rating, Add	265.86	
For Class 55 Rating, Add	590.92	
40 05 19 00-0341 EA 20" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,880.06	808.41
For Class 52 Rating, Deduct	-402.07	
For Class 54 Rating, Add	274.14	
For Class 55 Rating, Add	609.32	
40 05 19 00-0342 EA 20" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,995.04	811.44
For Class 52 Rating, Deduct	-414.22	
For Class 54 Rating, Add	282.42	
For Class 55 Rating, Add	627.73	
40 05 19 00-0343 EA 20" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,110.03	814.47
For Class 52 Rating, Deduct	-426.36	
For Class 54 Rating, Add	290.70	
For Class 55 Rating, Add	646.13	
40 05 19 00-0344 EA 20" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,225.03	817.49
For Class 52 Rating, Deduct	-438.50	
For Class 54 Rating, Add	298.98	
For Class 55 Rating, Add	664.53	
40 05 19 00-0345 EA 20" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,340.02	820.52
For Class 52 Rating, Deduct	-450.65	
For Class 54 Rating, Add	307.26	
For Class 55 Rating, Add	682.94	
40 05 19 00-0346 EA 20" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,455.00	823.54
For Class 52 Rating, Deduct	-462.79	
For Class 54 Rating, Add	315.54	
For Class 55 Rating, Add	701.34	
40 05 19 00-0347 EA 20" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,569.99	826.57
For Class 52 Rating, Deduct	-474.94	
For Class 54 Rating, Add	323.82	
For Class 55 Rating, Add	719.74	
40 05 19 00-0348 EA 20" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,684.98	829.60
For Class 52 Rating, Deduct	-487.08	
For Class 54 Rating, Add	332.10	
For Class 55 Rating, Add	738.15	
40 05 19 00-0349 EA 20" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,799.96	832.63
For Class 52 Rating, Deduct	-499.22	
For Class 54 Rating, Add	340.38	
For Class 55 Rating, Add	756.55	
40 05 19 00-0350 EA 20" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,914.95	835.66
For Class 52 Rating, Deduct	-511.37	
For Class 54 Rating, Add	348.66	
For Class 55 Rating, Add	774.95	
40 05 19 00-0351 EA 20" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,029.94	838.69
For Class 52 Rating, Deduct	-523.51	
For Class 54 Rating, Add	356.94	
For Class 55 Rating, Add	793.36	
40 05 19 00-0352 EA 20" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,144.93	841.72
For Class 52 Rating, Deduct	-535.66	
For Class 54 Rating, Add	365.22	
For Class 55 Rating, Add	811.76	
40 05 19 00-0353 EA 20" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,259.91	844.75
For Class 52 Rating, Deduct	-547.80	
For Class 54 Rating, Add	373.50	
For Class 55 Rating, Add	830.17	
40 05 19 00-0354 EA 20" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,374.90	847.77
For Class 52 Rating, Deduct	-559.94	
For Class 54 Rating, Add	381.78	
For Class 55 Rating, Add	848.57	
40 05 19 00-0355 EA 20" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,489.89	850.79
For Class 52 Rating, Deduct	-572.09	
For Class 54 Rating, Add	390.06	
For Class 55 Rating, Add	866.97	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0356 EA 20" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,604.87	853.82
For Class 52 Rating, Deduct	-584.23	
For Class 54 Rating, Add	398.34	
For Class 55 Rating, Add	885.38	
40 05 19 00-0357 EA 20" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,719.86	856.85
For Class 52 Rating, Deduct	-596.38	
For Class 54 Rating, Add	406.62	
For Class 55 Rating, Add	903.78	
40 05 19 00-0358 EA 20" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,834.85	859.88
For Class 52 Rating, Deduct	-608.52	
For Class 54 Rating, Add	414.90	
For Class 55 Rating, Add	922.18	
40 05 19 00-0359 24" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0360 EA 24" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,145.95	884.10
For Class 52 Rating, Deduct	-198.70	
For Class 54 Rating, Add	135.48	
For Class 55 Rating, Add	301.13	
40 05 19 00-0361 EA 24" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,287.33	887.13
For Class 52 Rating, Deduct	-213.75	
For Class 54 Rating, Add	145.74	
For Class 55 Rating, Add	323.93	
40 05 19 00-0362 EA 24" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,428.72	890.16
For Class 52 Rating, Deduct	-228.80	
For Class 54 Rating, Add	156.00	
For Class 55 Rating, Add	346.74	
40 05 19 00-0363 EA 24" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,570.12	893.18
For Class 52 Rating, Deduct	-243.85	
For Class 54 Rating, Add	166.26	
For Class 55 Rating, Add	369.54	
40 05 19 00-0364 EA 24" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,711.50	896.21
For Class 52 Rating, Deduct	-258.90	
For Class 54 Rating, Add	176.52	
For Class 55 Rating, Add	392.35	
40 05 19 00-0365 EA 24" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,852.89	899.24
For Class 52 Rating, Deduct	-273.94	
For Class 54 Rating, Add	186.78	
For Class 55 Rating, Add	415.15	
40 05 19 00-0366 EA 24" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,994.28	902.27
For Class 52 Rating, Deduct	-288.99	
For Class 54 Rating, Add	197.04	
For Class 55 Rating, Add	437.95	
40 05 19 00-0367 EA 24" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,135.66	905.30
For Class 52 Rating, Deduct	-304.04	
For Class 54 Rating, Add	207.30	
For Class 55 Rating, Add	460.76	
40 05 19 00-0368 EA 24" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,277.05	908.33
For Class 52 Rating, Deduct	-319.09	
For Class 54 Rating, Add	217.56	
For Class 55 Rating, Add	483.56	
40 05 19 00-0369 EA 24" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,418.44	911.36
For Class 52 Rating, Deduct	-334.14	
For Class 54 Rating, Add	227.82	
For Class 55 Rating, Add	506.37	
40 05 19 00-0370 EA 24" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,559.83	914.38
For Class 52 Rating, Deduct	-349.18	
For Class 54 Rating, Add	238.08	
For Class 55 Rating, Add	529.17	
40 05 19 00-0371 EA 24" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,701.21	917.40
For Class 52 Rating, Deduct	-364.23	
For Class 54 Rating, Add	248.34	
For Class 55 Rating, Add	551.98	
40 05 19 00-0372 EA 24" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,842.60	920.43
For Class 52 Rating, Deduct	-379.28	
For Class 54 Rating, Add	258.60	
For Class 55 Rating, Add	574.78	
40 05 19 00-0373 EA 24" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,983.99	923.46
For Class 52 Rating, Deduct	-394.33	
For Class 54 Rating, Add	268.86	
For Class 55 Rating, Add	597.59	
40 05 19 00-0374 EA 24" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,125.37	926.49
For Class 52 Rating, Deduct	-409.38	
For Class 54 Rating, Add	279.12	
For Class 55 Rating, Add	620.39	
40 05 19 00-0375 EA 24" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,266.76	929.52
For Class 52 Rating, Deduct	-424.42	
For Class 54 Rating, Add	289.38	
For Class 55 Rating, Add	643.20	
40 05 19 00-0376 EA 24" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,408.15	932.55
For Class 52 Rating, Deduct	-439.47	
For Class 54 Rating, Add	299.64	
For Class 55 Rating, Add	666.00	



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-0377	EA	24" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,549.54	935.58
		<i>For Class 52 Rating, Deduct</i>	-454.52	
		<i>For Class 54 Rating, Add</i>	309.90	
		<i>For Class 55 Rating, Add</i>	688.80	
40 05 19 00-0378	EA	24" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,690.92	938.60
		<i>For Class 52 Rating, Deduct</i>	-469.57	
		<i>For Class 54 Rating, Add</i>	320.16	
		<i>For Class 55 Rating, Add</i>	711.61	
40 05 19 00-0379	EA	24" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,832.31	941.63
		<i>For Class 52 Rating, Deduct</i>	-484.62	
		<i>For Class 54 Rating, Add</i>	330.42	
		<i>For Class 55 Rating, Add</i>	734.41	
40 05 19 00-0380	EA	24" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,973.70	944.66
		<i>For Class 52 Rating, Deduct</i>	-499.66	
		<i>For Class 54 Rating, Add</i>	340.68	
		<i>For Class 55 Rating, Add</i>	757.22	
40 05 19 00-0381	EA	24" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,115.08	947.69
		<i>For Class 52 Rating, Deduct</i>	-514.71	
		<i>For Class 54 Rating, Add</i>	350.94	
		<i>For Class 55 Rating, Add</i>	780.02	
40 05 19 00-0382	EA	24" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,256.47	950.71
		<i>For Class 52 Rating, Deduct</i>	-529.76	
		<i>For Class 54 Rating, Add</i>	361.20	
		<i>For Class 55 Rating, Add</i>	802.83	
40 05 19 00-0383	EA	24" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,397.86	953.74
		<i>For Class 52 Rating, Deduct</i>	-544.81	
		<i>For Class 54 Rating, Add</i>	371.46	
		<i>For Class 55 Rating, Add</i>	825.63	
40 05 19 00-0384	EA	24" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,539.25	956.77
		<i>For Class 52 Rating, Deduct</i>	-559.86	
		<i>For Class 54 Rating, Add</i>	381.72	
		<i>For Class 55 Rating, Add</i>	848.44	
40 05 19 00-0385	EA	24" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,680.63	959.79
		<i>For Class 52 Rating, Deduct</i>	-574.90	
		<i>For Class 54 Rating, Add</i>	391.98	
		<i>For Class 55 Rating, Add</i>	871.24	
40 05 19 00-0386	EA	24" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,822.02	962.82
		<i>For Class 52 Rating, Deduct</i>	-589.95	
		<i>For Class 54 Rating, Add</i>	402.24	
		<i>For Class 55 Rating, Add</i>	894.05	
40 05 19 00-0387	EA	24" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,963.41	965.85
		<i>For Class 52 Rating, Deduct</i>	-605.00	
		<i>For Class 54 Rating, Add</i>	412.50	
		<i>For Class 55 Rating, Add</i>	916.85	
40 05 19 00-0388	EA	24" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,104.79	968.88
		<i>For Class 52 Rating, Deduct</i>	-620.05	
		<i>For Class 54 Rating, Add</i>	422.76	
		<i>For Class 55 Rating, Add</i>	939.65	
40 05 19 00-0389	EA	24" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,324.17	1,023.38
		<i>For Class 52 Rating, Deduct</i>	-635.10	
		<i>For Class 54 Rating, Add</i>	433.02	
		<i>For Class 55 Rating, Add</i>	962.46	
40 05 19 00-0390	EA	24" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,465.56	1,026.40
		<i>For Class 52 Rating, Deduct</i>	-650.14	
		<i>For Class 54 Rating, Add</i>	443.28	
		<i>For Class 55 Rating, Add</i>	985.26	
40 05 19 00-0391	EA	24" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,606.95	1,029.43
		<i>For Class 52 Rating, Deduct</i>	-665.19	
		<i>For Class 54 Rating, Add</i>	453.54	
		<i>For Class 55 Rating, Add</i>	1,008.07	
40 05 19 00-0392	EA	24" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,748.33	1,032.46
		<i>For Class 52 Rating, Deduct</i>	-680.24	
		<i>For Class 54 Rating, Add</i>	463.80	
		<i>For Class 55 Rating, Add</i>	1,030.87	
40 05 19 00-0393	EA	24" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,889.72	1,035.49
		<i>For Class 52 Rating, Deduct</i>	-695.29	
		<i>For Class 54 Rating, Add</i>	474.06	
		<i>For Class 55 Rating, Add</i>	1,053.68	
40 05 19 00-0394	EA	24" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,031.11	1,038.52
		<i>For Class 52 Rating, Deduct</i>	-710.34	
		<i>For Class 54 Rating, Add</i>	484.32	
		<i>For Class 55 Rating, Add</i>	1,076.48	
40 05 19 00-0395	EA	24" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,172.49	1,041.55
		<i>For Class 52 Rating, Deduct</i>	-725.38	
		<i>For Class 54 Rating, Add</i>	494.58	
		<i>For Class 55 Rating, Add</i>	1,099.29	
40 05 19 00-0396	EA	24" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,313.88	1,044.58
		<i>For Class 52 Rating, Deduct</i>	-740.43	
		<i>For Class 54 Rating, Add</i>	504.84	
		<i>For Class 55 Rating, Add</i>	1,122.09	
40 05 19 00-0397	EA	24" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,455.27	1,047.61
		<i>For Class 52 Rating, Deduct</i>	-755.48	
		<i>For Class 54 Rating, Add</i>	515.10	
		<i>For Class 55 Rating, Add</i>	1,144.90	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0398 30" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0399 EA 30" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,762.05	1,247.44
For Class 52 Rating, Deduct	-315.92	
For Class 54 Rating, Add	215.40	
For Class 55 Rating, Add	478.76	
40 05 19 00-0400 EA 30" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,964.23	1,250.46
For Class 52 Rating, Deduct	-337.66	
For Class 54 Rating, Add	230.22	
For Class 55 Rating, Add	511.70	
40 05 19 00-0401 EA 30" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,166.42	1,253.48
For Class 52 Rating, Deduct	-359.39	
For Class 54 Rating, Add	245.04	
For Class 55 Rating, Add	544.64	
40 05 19 00-0402 EA 30" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,368.61	1,256.51
For Class 52 Rating, Deduct	-381.13	
For Class 54 Rating, Add	259.86	
For Class 55 Rating, Add	577.58	
40 05 19 00-0403 EA 30" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,570.80	1,259.54
For Class 52 Rating, Deduct	-402.86	
For Class 54 Rating, Add	274.68	
For Class 55 Rating, Add	610.52	
40 05 19 00-0404 EA 30" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,772.98	1,262.57
For Class 52 Rating, Deduct	-424.60	
For Class 54 Rating, Add	289.50	
For Class 55 Rating, Add	643.46	
40 05 19 00-0405 EA 30" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,975.17	1,265.60
For Class 52 Rating, Deduct	-446.34	
For Class 54 Rating, Add	304.32	
For Class 55 Rating, Add	676.40	
40 05 19 00-0406 EA 30" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,177.36	1,268.63
For Class 52 Rating, Deduct	-468.07	
For Class 54 Rating, Add	319.14	
For Class 55 Rating, Add	709.34	
40 05 19 00-0407 EA 30" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,379.54	1,271.66
For Class 52 Rating, Deduct	-489.81	
For Class 54 Rating, Add	333.96	
For Class 55 Rating, Add	742.28	
40 05 19 00-0408 EA 30" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,581.73	1,274.68
For Class 52 Rating, Deduct	-511.54	
For Class 54 Rating, Add	348.78	
For Class 55 Rating, Add	775.22	
40 05 19 00-0409 EA 30" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,783.92	1,277.71
For Class 52 Rating, Deduct	-533.28	
For Class 54 Rating, Add	363.60	
For Class 55 Rating, Add	808.16	
40 05 19 00-0410 EA 30" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,986.11	1,280.74
For Class 52 Rating, Deduct	-555.02	
For Class 54 Rating, Add	378.42	
For Class 55 Rating, Add	841.10	
40 05 19 00-0411 EA 30" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,188.30	1,283.76
For Class 52 Rating, Deduct	-576.75	
For Class 54 Rating, Add	393.24	
For Class 55 Rating, Add	874.04	
40 05 19 00-0412 EA 30" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,390.49	1,286.79
For Class 52 Rating, Deduct	-598.49	
For Class 54 Rating, Add	408.06	
For Class 55 Rating, Add	906.98	
40 05 19 00-0413 EA 30" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,592.68	1,289.82
For Class 52 Rating, Deduct	-620.22	
For Class 54 Rating, Add	422.88	
For Class 55 Rating, Add	939.92	
40 05 19 00-0414 EA 30" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,794.86	1,292.85
For Class 52 Rating, Deduct	-641.96	
For Class 54 Rating, Add	437.70	
For Class 55 Rating, Add	972.86	
40 05 19 00-0415 EA 30" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,997.05	1,295.88
For Class 52 Rating, Deduct	-663.70	
For Class 54 Rating, Add	452.52	
For Class 55 Rating, Add	1,005.80	
40 05 19 00-0416 EA 30" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,199.24	1,298.90
For Class 52 Rating, Deduct	-685.43	
For Class 54 Rating, Add	467.34	
For Class 55 Rating, Add	1,038.74	
40 05 19 00-0417 EA 30" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,401.43	1,301.93
For Class 52 Rating, Deduct	-707.17	
For Class 54 Rating, Add	482.16	
For Class 55 Rating, Add	1,071.68	
40 05 19 00-0418 EA 30" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,603.61	1,304.96
For Class 52 Rating, Deduct	-728.90	
For Class 54 Rating, Add	496.98	
For Class 55 Rating, Add	1,104.62	



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-0419 EA 30" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,805.80	1,307.99
For Class 52 Rating, Deduct	-750.64	
For Class 54 Rating, Add	511.80	
For Class 55 Rating, Add	1,137.56	
40 05 19 00-0420 EA 30" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,007.99	1,311.02
For Class 52 Rating, Deduct	-772.38	
For Class 54 Rating, Add	526.62	
For Class 55 Rating, Add	1,170.50	
40 05 19 00-0421 EA 30" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,210.17	1,314.05
For Class 52 Rating, Deduct	-794.11	
For Class 54 Rating, Add	541.44	
For Class 55 Rating, Add	1,203.44	
40 05 19 00-0422 EA 30" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,412.36	1,317.07
For Class 52 Rating, Deduct	-815.85	
For Class 54 Rating, Add	556.26	
For Class 55 Rating, Add	1,236.38	
40 05 19 00-0423 EA 30" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,613.75	1,320.09
For Class 52 Rating, Deduct	-837.50	
For Class 54 Rating, Add	571.02	
For Class 55 Rating, Add	1,269.19	
40 05 19 00-0424 EA 30" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,816.74	1,323.12
For Class 52 Rating, Deduct	-859.32	
For Class 54 Rating, Add	585.90	
For Class 55 Rating, Add	1,302.26	
40 05 19 00-0425 EA 30" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,018.92	1,326.15
For Class 52 Rating, Deduct	-881.06	
For Class 54 Rating, Add	600.72	
For Class 55 Rating, Add	1,335.20	
40 05 19 00-0426 EA 30" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,221.11	1,329.18
For Class 52 Rating, Deduct	-902.79	
For Class 54 Rating, Add	615.54	
For Class 55 Rating, Add	1,368.14	
40 05 19 00-0427 EA 30" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,423.30	1,332.21
For Class 52 Rating, Deduct	-924.53	
For Class 54 Rating, Add	630.36	
For Class 55 Rating, Add	1,401.08	
40 05 19 00-0428 EA 30" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,625.48	1,335.24
For Class 52 Rating, Deduct	-946.26	
For Class 54 Rating, Add	645.18	
For Class 55 Rating, Add	1,434.02	
40 05 19 00-0429 EA 30" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,827.67	1,338.27
For Class 52 Rating, Deduct	-968.00	
For Class 54 Rating, Add	660.00	
For Class 55 Rating, Add	1,466.96	
40 05 19 00-0430 EA 30" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,029.86	1,341.30
For Class 52 Rating, Deduct	-989.74	
For Class 54 Rating, Add	674.82	
For Class 55 Rating, Add	1,499.90	
40 05 19 00-0431 EA 30" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,232.05	1,344.32
For Class 52 Rating, Deduct	-1,011.47	
For Class 54 Rating, Add	689.64	
For Class 55 Rating, Add	1,532.84	
40 05 19 00-0432 EA 30" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,434.23	1,347.35
For Class 52 Rating, Deduct	-1,033.21	
For Class 54 Rating, Add	704.46	
For Class 55 Rating, Add	1,565.78	
40 05 19 00-0433 EA 30" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,636.42	1,350.37
For Class 52 Rating, Deduct	-1,054.94	
For Class 54 Rating, Add	719.28	
For Class 55 Rating, Add	1,598.72	
40 05 19 00-0434 EA 30" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,838.61	1,353.40
For Class 52 Rating, Deduct	-1,076.68	
For Class 54 Rating, Add	734.10	
For Class 55 Rating, Add	1,631.66	
40 05 19 00-0435 EA 30" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,040.79	1,356.43
For Class 52 Rating, Deduct	-1,098.42	
For Class 54 Rating, Add	748.92	
For Class 55 Rating, Add	1,664.60	
40 05 19 00-0436 EA 30" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,242.99	1,359.46
For Class 52 Rating, Deduct	-1,120.15	
For Class 54 Rating, Add	763.74	
For Class 55 Rating, Add	1,697.54	
40 05 19 00-0437 36" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
<small>(40 05 19 00-0002)</small>		
40 05 19 00-0438 EA 36" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,504.27	1,580.48
For Class 52 Rating, Deduct	-452.06	
For Class 54 Rating, Add	308.22	
For Class 55 Rating, Add	685.07	
40 05 19 00-0439 EA 36" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,777.66	1,583.51
For Class 52 Rating, Deduct	-481.62	
For Class 54 Rating, Add	328.38	
For Class 55 Rating, Add	729.88	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0440	EA		36" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,051.04	1,586.54
			<i>For Class 52 Rating, Deduct</i>	-511.19	
			<i>For Class 54 Rating, Add</i>	348.54	
			<i>For Class 55 Rating, Add</i>	774.69	
40 05 19 00-0441	EA		36" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,324.43	1,589.57
			<i>For Class 52 Rating, Deduct</i>	-540.76	
			<i>For Class 54 Rating, Add</i>	368.70	
			<i>For Class 55 Rating, Add</i>	819.50	
40 05 19 00-0442	EA		36" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,597.82	1,592.59
			<i>For Class 52 Rating, Deduct</i>	-570.33	
			<i>For Class 54 Rating, Add</i>	388.86	
			<i>For Class 55 Rating, Add</i>	864.31	
40 05 19 00-0443	EA		36" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,871.21	1,595.62
			<i>For Class 52 Rating, Deduct</i>	-599.90	
			<i>For Class 54 Rating, Add</i>	409.02	
			<i>For Class 55 Rating, Add</i>	909.12	
40 05 19 00-0444	EA		36" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,144.60	1,598.65
			<i>For Class 52 Rating, Deduct</i>	-629.46	
			<i>For Class 54 Rating, Add</i>	429.18	
			<i>For Class 55 Rating, Add</i>	953.92	
40 05 19 00-0445	EA		36" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,417.99	1,601.68
			<i>For Class 52 Rating, Deduct</i>	-659.03	
			<i>For Class 54 Rating, Add</i>	449.34	
			<i>For Class 55 Rating, Add</i>	998.73	
40 05 19 00-0446	EA		36" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,691.38	1,604.71
			<i>For Class 52 Rating, Deduct</i>	-688.60	
			<i>For Class 54 Rating, Add</i>	469.50	
			<i>For Class 55 Rating, Add</i>	1,043.54	
40 05 19 00-0447	EA		36" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,964.76	1,607.74
			<i>For Class 52 Rating, Deduct</i>	-718.17	
			<i>For Class 54 Rating, Add</i>	489.66	
			<i>For Class 55 Rating, Add</i>	1,088.35	
40 05 19 00-0448	EA		36" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,238.15	1,610.77
			<i>For Class 52 Rating, Deduct</i>	-747.74	
			<i>For Class 54 Rating, Add</i>	509.82	
			<i>For Class 55 Rating, Add</i>	1,133.16	
40 05 19 00-0449	EA		36" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,511.54	1,613.78
			<i>For Class 52 Rating, Deduct</i>	-777.30	
			<i>For Class 54 Rating, Add</i>	529.98	
			<i>For Class 55 Rating, Add</i>	1,177.97	
40 05 19 00-0450	EA		36" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,784.92	1,616.81
			<i>For Class 52 Rating, Deduct</i>	-806.87	
			<i>For Class 54 Rating, Add</i>	550.14	
			<i>For Class 55 Rating, Add</i>	1,222.78	
40 05 19 00-0451	EA		36" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,058.31	1,619.84
			<i>For Class 52 Rating, Deduct</i>	-836.44	
			<i>For Class 54 Rating, Add</i>	570.30	
			<i>For Class 55 Rating, Add</i>	1,267.59	
40 05 19 00-0452	EA		36" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,331.70	1,622.87
			<i>For Class 52 Rating, Deduct</i>	-866.01	
			<i>For Class 54 Rating, Add</i>	590.46	
			<i>For Class 55 Rating, Add</i>	1,312.40	
40 05 19 00-0453	EA		36" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,605.09	1,625.90
			<i>For Class 52 Rating, Deduct</i>	-895.58	
			<i>For Class 54 Rating, Add</i>	610.62	
			<i>For Class 55 Rating, Add</i>	1,357.20	
40 05 19 00-0454	EA		36" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,878.47	1,628.93
			<i>For Class 52 Rating, Deduct</i>	-925.14	
			<i>For Class 54 Rating, Add</i>	630.78	
			<i>For Class 55 Rating, Add</i>	1,402.01	
40 05 19 00-0455	EA		36" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,151.86	1,631.96
			<i>For Class 52 Rating, Deduct</i>	-954.71	
			<i>For Class 54 Rating, Add</i>	650.94	
			<i>For Class 55 Rating, Add</i>	1,446.82	
40 05 19 00-0456	EA		36" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,425.25	1,634.98
			<i>For Class 52 Rating, Deduct</i>	-984.28	
			<i>For Class 54 Rating, Add</i>	671.10	
			<i>For Class 55 Rating, Add</i>	1,491.63	
40 05 19 00-0457	EA		36" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,698.63	1,638.01
			<i>For Class 52 Rating, Deduct</i>	-1,013.85	
			<i>For Class 54 Rating, Add</i>	691.26	
			<i>For Class 55 Rating, Add</i>	1,536.44	
40 05 19 00-0458	EA		36" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,972.02	1,641.04
			<i>For Class 52 Rating, Deduct</i>	-1,043.42	
			<i>For Class 54 Rating, Add</i>	711.42	
			<i>For Class 55 Rating, Add</i>	1,581.25	
40 05 19 00-0459	EA		36" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,245.41	1,644.07
			<i>For Class 52 Rating, Deduct</i>	-1,072.98	
			<i>For Class 54 Rating, Add</i>	731.58	
			<i>For Class 55 Rating, Add</i>	1,626.06	
40 05 19 00-0460	EA		36" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,518.80	1,647.09
			<i>For Class 52 Rating, Deduct</i>	-1,102.55	
			<i>For Class 54 Rating, Add</i>	751.74	
			<i>For Class 55 Rating, Add</i>	1,670.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0461 EA 36" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	12,792.18 -1,132.12 771.90 1,715.68	1,650.12
40 05 19 00-0462 EA 36" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	13,065.57 -1,161.69 792.06 1,760.49	1,653.15
40 05 19 00-0463 EA 36" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	13,338.96 -1,191.26 812.22 1,805.29	1,656.18
40 05 19 00-0464 EA 36" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	13,612.34 -1,220.82 832.38 1,850.10	1,659.20
40 05 19 00-0465 EA 36" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	13,885.73 -1,250.39 852.54 1,894.91	1,662.23
40 05 19 00-0466 EA 36" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	14,159.12 -1,279.96 872.70 1,939.72	1,665.26
40 05 19 00-0467 EA 36" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	14,432.51 -1,309.53 892.86 1,984.53	1,668.29
40 05 19 00-0468 EA 36" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	14,705.90 -1,339.10 913.02 2,029.34	1,671.32
40 05 19 00-0469 EA 36" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	14,979.29 -1,368.66 933.18 2,074.15	1,674.35
40 05 19 00-0470 EA 36" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	15,252.68 -1,398.23 953.34 2,118.96	1,677.38
40 05 19 00-0471 EA 36" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	15,526.06 -1,427.80 973.50 2,163.77	1,680.39
40 05 19 00-0472 EA 36" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	15,799.45 -1,457.37 993.66 2,208.57	1,683.42
40 05 19 00-0473 EA 36" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	16,072.84 -1,486.94 1,013.82 2,253.38	1,686.45
40 05 19 00-0474 EA 36" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	16,346.23 -1,516.50 1,033.98 2,298.19	1,689.48
40 05 19 00-0475 EA 36" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	16,619.61 -1,546.07 1,054.14 2,343.00	1,692.51
40 05 19 00-0476 42" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0477 EA 42" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	8,500.98 -603.06 411.18 913.92	1,992.26
40 05 19 00-0478 EA 42" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	8,907.16 -647.24 441.30 980.86	1,995.29
40 05 19 00-0479 EA 42" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	9,308.55 -690.89 471.06 1,047.01	1,998.31
40 05 19 00-0480 EA 42" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	9,713.94 -734.98 501.12 1,113.82	2,001.34
40 05 19 00-0481 EA 42" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	10,115.32 -778.62 530.88 1,179.97	2,004.37

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0482	EA		42" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,521.51	2,007.40
			For Class 52 Rating, Deduct	-822.80	
			For Class 54 Rating, Add	561.00	
			For Class 55 Rating, Add	1,246.92	
40 05 19 00-0483	EA		42" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,922.10	2,010.43
			For Class 52 Rating, Deduct	-866.36	
			For Class 54 Rating, Add	590.70	
			For Class 55 Rating, Add	1,312.93	
40 05 19 00-0484	EA		42" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,328.29	2,013.45
			For Class 52 Rating, Deduct	-910.54	
			For Class 54 Rating, Add	620.82	
			For Class 55 Rating, Add	1,379.88	
40 05 19 00-0485	EA		42" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,729.67	2,016.48
			For Class 52 Rating, Deduct	-954.18	
			For Class 54 Rating, Add	650.58	
			For Class 55 Rating, Add	1,446.02	
40 05 19 00-0486	EA		42" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,135.06	2,019.50
			For Class 52 Rating, Deduct	-998.27	
			For Class 54 Rating, Add	680.64	
			For Class 55 Rating, Add	1,512.84	
40 05 19 00-0487	EA		42" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,536.45	2,022.53
			For Class 52 Rating, Deduct	-1,041.92	
			For Class 54 Rating, Add	710.40	
			For Class 55 Rating, Add	1,578.98	
40 05 19 00-0488	EA		42" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,941.83	2,025.56
			For Class 52 Rating, Deduct	-1,086.01	
			For Class 54 Rating, Add	740.46	
			For Class 55 Rating, Add	1,645.80	
40 05 19 00-0489	EA		42" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,343.22	2,028.59
			For Class 52 Rating, Deduct	-1,129.66	
			For Class 54 Rating, Add	770.22	
			For Class 55 Rating, Add	1,711.94	
40 05 19 00-0490	EA		42" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,745.41	2,031.62
			For Class 52 Rating, Deduct	-1,173.39	
			For Class 54 Rating, Add	800.04	
			For Class 55 Rating, Add	1,778.22	
40 05 19 00-0491	EA		42" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,150.00	2,034.65
			For Class 52 Rating, Deduct	-1,217.39	
			For Class 54 Rating, Add	830.04	
			For Class 55 Rating, Add	1,844.90	
40 05 19 00-0492	EA		42" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,551.38	2,037.68
			For Class 52 Rating, Deduct	-1,261.04	
			For Class 54 Rating, Add	859.80	
			For Class 55 Rating, Add	1,911.05	
40 05 19 00-0493	EA		42" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,957.57	2,040.71
			For Class 52 Rating, Deduct	-1,305.22	
			For Class 54 Rating, Add	889.92	
			For Class 55 Rating, Add	1,978.00	
40 05 19 00-0494	EA		42" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,358.96	2,043.73
			For Class 52 Rating, Deduct	-1,348.86	
			For Class 54 Rating, Add	919.68	
			For Class 55 Rating, Add	2,044.14	
40 05 19 00-0495	EA		42" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,764.34	2,046.75
			For Class 52 Rating, Deduct	-1,392.95	
			For Class 54 Rating, Add	949.74	
			For Class 55 Rating, Add	2,110.96	
40 05 19 00-0496	EA		42" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,165.73	2,049.78
			For Class 52 Rating, Deduct	-1,436.60	
			For Class 54 Rating, Add	979.50	
			For Class 55 Rating, Add	2,177.10	
40 05 19 00-0497	EA		42" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,571.92	2,052.81
			For Class 52 Rating, Deduct	-1,480.78	
			For Class 54 Rating, Add	1,009.62	
			For Class 55 Rating, Add	2,244.05	
40 05 19 00-0498	EA		42" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,973.31	2,055.84
			For Class 52 Rating, Deduct	-1,524.42	
			For Class 54 Rating, Add	1,039.38	
			For Class 55 Rating, Add	2,310.20	
40 05 19 00-0499	EA		42" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,378.70	2,058.87
			For Class 52 Rating, Deduct	-1,568.51	
			For Class 54 Rating, Add	1,069.44	
			For Class 55 Rating, Add	2,377.01	
40 05 19 00-0500	EA		42" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,780.09	2,061.90
			For Class 52 Rating, Deduct	-1,612.16	
			For Class 54 Rating, Add	1,099.20	
			For Class 55 Rating, Add	2,443.16	
40 05 19 00-0501	EA		42" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,186.28	2,064.92
			For Class 52 Rating, Deduct	-1,656.34	
			For Class 54 Rating, Add	1,129.32	
			For Class 55 Rating, Add	2,510.10	
40 05 19 00-0502	EA		42" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,587.66	2,067.95
			For Class 52 Rating, Deduct	-1,699.98	
			For Class 54 Rating, Add	1,159.08	
			For Class 55 Rating, Add	2,576.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0503 EA 42" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,992.25	2,070.98
For Class 52 Rating, Deduct	-1,743.98	
For Class 54 Rating, Add	1,189.08	
For Class 55 Rating, Add	2,642.93	
40 05 19 00-0504 EA 42" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,394.44	2,074.01
For Class 52 Rating, Deduct	-1,787.72	
For Class 54 Rating, Add	1,218.90	
For Class 55 Rating, Add	2,709.21	
40 05 19 00-0505 EA 42" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,715.82	2,077.04
For Class 52 Rating, Deduct	-1,822.57	
For Class 54 Rating, Add	1,242.66	
For Class 55 Rating, Add	2,762.02	
40 05 19 00-0506 EA 42" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,201.21	2,080.06
For Class 52 Rating, Deduct	-1,875.46	
For Class 54 Rating, Add	1,278.72	
For Class 55 Rating, Add	2,842.17	
40 05 19 00-0507 EA 42" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,602.60	2,083.09
For Class 52 Rating, Deduct	-1,919.10	
For Class 54 Rating, Add	1,308.48	
For Class 55 Rating, Add	2,908.31	
40 05 19 00-0508 EA 42" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,007.99	2,086.11
For Class 52 Rating, Deduct	-1,963.19	
For Class 54 Rating, Add	1,338.54	
For Class 55 Rating, Add	2,975.13	
40 05 19 00-0509 EA 42" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,409.37	2,089.14
For Class 52 Rating, Deduct	-2,006.84	
For Class 54 Rating, Add	1,368.30	
For Class 55 Rating, Add	3,041.27	
40 05 19 00-0510 EA 42" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,815.56	2,092.17
For Class 52 Rating, Deduct	-2,051.02	
For Class 54 Rating, Add	1,398.42	
For Class 55 Rating, Add	3,108.22	
40 05 19 00-0511 EA 42" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,216.15	2,095.20
For Class 52 Rating, Deduct	-2,094.58	
For Class 54 Rating, Add	1,428.12	
For Class 55 Rating, Add	3,174.23	
40 05 19 00-0512 EA 42" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,622.33	2,098.23
For Class 52 Rating, Deduct	-2,138.75	
For Class 54 Rating, Add	1,458.24	
For Class 55 Rating, Add	3,241.18	
40 05 19 00-0513 EA 42" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,023.72	2,101.26
For Class 52 Rating, Deduct	-2,182.40	
For Class 54 Rating, Add	1,488.00	
For Class 55 Rating, Add	3,307.33	
40 05 19 00-0514 EA 42" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,429.11	2,104.29
For Class 52 Rating, Deduct	-2,226.49	
For Class 54 Rating, Add	1,518.06	
For Class 55 Rating, Add	3,374.14	
40 05 19 00-0515 48" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0516 EA 48" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,667.46	2,503.95
For Class 52 Rating, Deduct	-756.10	
For Class 54 Rating, Add	515.52	
For Class 55 Rating, Add	1,145.83	
40 05 19 00-0517 EA 48" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,256.84	2,506.98
For Class 52 Rating, Deduct	-820.42	
For Class 54 Rating, Add	559.38	
For Class 55 Rating, Add	1,243.32	
40 05 19 00-0518 EA 48" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,845.43	2,510.01
For Class 52 Rating, Deduct	-884.66	
For Class 54 Rating, Add	603.18	
For Class 55 Rating, Add	1,340.67	
40 05 19 00-0519 EA 48" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,438.82	2,513.03
For Class 52 Rating, Deduct	-949.43	
For Class 54 Rating, Add	647.34	
For Class 55 Rating, Add	1,438.82	
40 05 19 00-0520 EA 48" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,028.21	2,516.05
For Class 52 Rating, Deduct	-1,013.76	
For Class 54 Rating, Add	691.20	
For Class 55 Rating, Add	1,536.31	
40 05 19 00-0521 EA 48" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,617.59	2,519.08
For Class 52 Rating, Deduct	-1,078.09	
For Class 54 Rating, Add	735.06	
For Class 55 Rating, Add	1,633.79	
40 05 19 00-0522 EA 48" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,210.18	2,522.11
For Class 52 Rating, Deduct	-1,142.77	
For Class 54 Rating, Add	779.16	
For Class 55 Rating, Add	1,731.81	
40 05 19 00-0523 EA 48" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,800.38	2,525.14
For Class 52 Rating, Deduct	-1,207.18	
For Class 54 Rating, Add	823.08	
For Class 55 Rating, Add	1,829.43	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0524	EA		48" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,388.96	2,528.17
			<i>For Class 52 Rating, Deduct</i>	-1,271.42	
			<i>For Class 54 Rating, Add</i>	866.88	
			<i>For Class 55 Rating, Add</i>	1,926.79	
40 05 19 00-0525	EA		48" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,982.35	2,531.20
			<i>For Class 52 Rating, Deduct</i>	-1,336.19	
			<i>For Class 54 Rating, Add</i>	911.04	
			<i>For Class 55 Rating, Add</i>	2,024.94	
40 05 19 00-0526	EA		48" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,571.74	2,534.23
			<i>For Class 52 Rating, Deduct</i>	-1,400.52	
			<i>For Class 54 Rating, Add</i>	954.90	
			<i>For Class 55 Rating, Add</i>	2,122.42	
40 05 19 00-0527	EA		48" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,165.12	2,537.25
			<i>For Class 52 Rating, Deduct</i>	-1,465.29	
			<i>For Class 54 Rating, Add</i>	999.06	
			<i>For Class 55 Rating, Add</i>	2,220.58	
40 05 19 00-0528	EA		48" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,753.71	2,540.28
			<i>For Class 52 Rating, Deduct</i>	-1,529.53	
			<i>For Class 54 Rating, Add</i>	1,042.86	
			<i>For Class 55 Rating, Add</i>	2,317.93	
40 05 19 00-0529	EA		48" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,343.10	2,543.31
			<i>For Class 52 Rating, Deduct</i>	-1,593.86	
			<i>For Class 54 Rating, Add</i>	1,086.72	
			<i>For Class 55 Rating, Add</i>	2,415.42	
40 05 19 00-0530	EA		48" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,936.49	2,546.33
			<i>For Class 52 Rating, Deduct</i>	-1,658.62	
			<i>For Class 54 Rating, Add</i>	1,130.88	
			<i>For Class 55 Rating, Add</i>	2,513.57	
40 05 19 00-0531	EA		48" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,525.87	2,549.36
			<i>For Class 52 Rating, Deduct</i>	-1,722.95	
			<i>For Class 54 Rating, Add</i>	1,174.74	
			<i>For Class 55 Rating, Add</i>	2,611.06	
40 05 19 00-0532	EA		48" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,114.46	2,552.39
			<i>For Class 52 Rating, Deduct</i>	-1,787.19	
			<i>For Class 54 Rating, Add</i>	1,218.54	
			<i>For Class 55 Rating, Add</i>	2,708.41	
40 05 19 00-0533	EA		48" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,707.85	2,555.42
			<i>For Class 52 Rating, Deduct</i>	-1,851.96	
			<i>For Class 54 Rating, Add</i>	1,262.70	
			<i>For Class 55 Rating, Add</i>	2,806.56	
40 05 19 00-0534	EA		48" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,297.23	2,558.45
			<i>For Class 52 Rating, Deduct</i>	-1,916.29	
			<i>For Class 54 Rating, Add</i>	1,306.56	
			<i>For Class 55 Rating, Add</i>	2,904.05	
40 05 19 00-0535	EA		48" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,885.82	2,561.47
			<i>For Class 52 Rating, Deduct</i>	-1,980.53	
			<i>For Class 54 Rating, Add</i>	1,350.36	
			<i>For Class 55 Rating, Add</i>	3,001.40	
40 05 19 00-0536	EA		48" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,479.21	2,564.50
			<i>For Class 52 Rating, Deduct</i>	-2,045.30	
			<i>For Class 54 Rating, Add</i>	1,394.52	
			<i>For Class 55 Rating, Add</i>	3,099.55	
40 05 19 00-0537	EA		48" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,069.40	2,567.53
			<i>For Class 52 Rating, Deduct</i>	-2,109.71	
			<i>For Class 54 Rating, Add</i>	1,438.44	
			<i>For Class 55 Rating, Add</i>	3,197.17	
40 05 19 00-0538	EA		48" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,657.98	2,570.56
			<i>For Class 52 Rating, Deduct</i>	-2,173.95	
			<i>For Class 54 Rating, Add</i>	1,482.24	
			<i>For Class 55 Rating, Add</i>	3,294.53	
40 05 19 00-0539	EA		48" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,251.37	2,573.59
			<i>For Class 52 Rating, Deduct</i>	-2,238.72	
			<i>For Class 54 Rating, Add</i>	1,526.40	
			<i>For Class 55 Rating, Add</i>	3,392.68	
40 05 19 00-0540	EA		48" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,840.76	2,576.62
			<i>For Class 52 Rating, Deduct</i>	-2,303.05	
			<i>For Class 54 Rating, Add</i>	1,570.26	
			<i>For Class 55 Rating, Add</i>	3,490.16	
40 05 19 00-0541	EA		48" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,429.34	2,579.64
			<i>For Class 52 Rating, Deduct</i>	-2,367.29	
			<i>For Class 54 Rating, Add</i>	1,614.06	
			<i>For Class 55 Rating, Add</i>	3,587.52	
40 05 19 00-0542	EA		48" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,022.73	2,582.66
			<i>For Class 52 Rating, Deduct</i>	-2,432.06	
			<i>For Class 54 Rating, Add</i>	1,658.22	
			<i>For Class 55 Rating, Add</i>	3,685.67	
40 05 19 00-0543	EA		48" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,612.12	2,585.69
			<i>For Class 52 Rating, Deduct</i>	-2,496.38	
			<i>For Class 54 Rating, Add</i>	1,702.08	
			<i>For Class 55 Rating, Add</i>	3,783.16	
40 05 19 00-0544	EA		48" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,129.51	2,588.72
			<i>For Class 52 Rating, Deduct</i>	-2,552.79	
			<i>For Class 54 Rating, Add</i>	1,740.54	
			<i>For Class 55 Rating, Add</i>	3,868.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0545 EA 48" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,794.89	2,591.75
<i>For Class 52 Rating, Deduct</i>	-2,625.48	
<i>For Class 54 Rating, Add</i>	1,790.10	
<i>For Class 55 Rating, Add</i>	3,978.80	
40 05 19 00-0546 EA 48" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,383.48	2,594.78
<i>For Class 52 Rating, Deduct</i>	-2,689.72	
<i>For Class 54 Rating, Add</i>	1,833.90	
<i>For Class 55 Rating, Add</i>	4,076.15	
40 05 19 00-0547 EA 48" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,977.67	2,597.81
<i>For Class 52 Rating, Deduct</i>	-2,754.58	
<i>For Class 54 Rating, Add</i>	1,878.12	
<i>For Class 55 Rating, Add</i>	4,174.43	
40 05 19 00-0548 EA 48" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,566.25	2,600.84
<i>For Class 52 Rating, Deduct</i>	-2,818.82	
<i>For Class 54 Rating, Add</i>	1,921.92	
<i>For Class 55 Rating, Add</i>	4,271.79	
40 05 19 00-0549 EA 48" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,154.85	2,603.87
<i>For Class 52 Rating, Deduct</i>	-2,883.06	
<i>For Class 54 Rating, Add</i>	1,965.72	
<i>For Class 55 Rating, Add</i>	4,369.14	
40 05 19 00-0550 EA 48" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,749.04	2,606.89
<i>For Class 52 Rating, Deduct</i>	-2,947.91	
<i>For Class 54 Rating, Add</i>	2,009.94	
<i>For Class 55 Rating, Add</i>	4,467.43	
40 05 19 00-0551 EA 48" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,337.63	2,609.92
<i>For Class 52 Rating, Deduct</i>	-3,012.15	
<i>For Class 54 Rating, Add</i>	2,053.74	
<i>For Class 55 Rating, Add</i>	4,564.78	
40 05 19 00-0552 EA 48" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,927.01	2,612.94
<i>For Class 52 Rating, Deduct</i>	-3,076.48	
<i>For Class 54 Rating, Add</i>	2,097.60	
<i>For Class 55 Rating, Add</i>	4,662.27	
40 05 19 00-0553 EA 48" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,520.40	2,615.97
<i>For Class 52 Rating, Deduct</i>	-3,141.25	
<i>For Class 54 Rating, Add</i>	2,141.76	
<i>For Class 55 Rating, Add</i>	4,760.42	
40 05 19 00-0554 Flanged End x Grooved End (FxF), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0001)</small>		
40 05 19 00-0555 4" Flanged End x Grooved End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0556 EA 4" Flanged x Grooved (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	345.92	138.55
<i>For Class 52 Rating, Deduct</i>	-14.96	
<i>For Class 54 Rating, Add</i>	10.20	
<i>For Class 55 Rating, Add</i>	22.67	
40 05 19 00-0557 EA 4" Flanged x Grooved (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	370.39	140.98
<i>For Class 52 Rating, Deduct</i>	-17.25	
<i>For Class 54 Rating, Add</i>	11.76	
<i>For Class 55 Rating, Add</i>	26.14	
40 05 19 00-0558 EA 4" Flanged x Grooved (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	394.86	143.39
<i>For Class 52 Rating, Deduct</i>	-19.54	
<i>For Class 54 Rating, Add</i>	13.32	
<i>For Class 55 Rating, Add</i>	29.61	
40 05 19 00-0559 EA 4" Flanged x Grooved (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	419.34	145.82
<i>For Class 52 Rating, Deduct</i>	-21.82	
<i>For Class 54 Rating, Add</i>	14.88	
<i>For Class 55 Rating, Add</i>	33.07	
40 05 19 00-0560 EA 4" Flanged x Grooved (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	443.80	148.24
<i>For Class 52 Rating, Deduct</i>	-24.11	
<i>For Class 54 Rating, Add</i>	16.44	
<i>For Class 55 Rating, Add</i>	36.54	
40 05 19 00-0561 EA 4" Flanged x Grooved (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	468.27	150.66
<i>For Class 52 Rating, Deduct</i>	-26.40	
<i>For Class 54 Rating, Add</i>	18.00	
<i>For Class 55 Rating, Add</i>	40.01	
40 05 19 00-0562 EA 4" Flanged x Grooved (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	492.74	153.08
<i>For Class 52 Rating, Deduct</i>	-28.69	
<i>For Class 54 Rating, Add</i>	19.56	
<i>For Class 55 Rating, Add</i>	43.48	
40 05 19 00-0563 EA 4" Flanged x Grooved (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	517.22	155.51
<i>For Class 52 Rating, Deduct</i>	-30.98	
<i>For Class 54 Rating, Add</i>	21.12	
<i>For Class 55 Rating, Add</i>	46.94	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0564	EA		4" Flanged x Grooved (FxB), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	541.69 -33.26 22.68 50.41	157.93
40 05 19 00-0565	EA		4" Flanged x Grooved (FxB), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	566.15 -35.55 24.24 53.88	160.35
40 05 19 00-0566	EA		4" Flanged x Grooved (FxB), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	590.62 -37.84 25.80 57.34	162.77
40 05 19 00-0567	EA		4" Flanged x Grooved (FxB), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	615.10 -40.13 27.36 60.81	165.20
40 05 19 00-0568	EA		4" Flanged x Grooved (FxB), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	639.57 -42.42 28.92 64.28	167.61
40 05 19 00-0569	EA		4" Flanged x Grooved (FxB), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	664.03 -44.70 30.48 67.75	170.04
40 05 19 00-0570	EA		4" Flanged x Grooved (FxB), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	688.50 -46.99 32.04 71.21	172.47
40 05 19 00-0571	EA		4" Flanged x Grooved (FxB), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	712.97 -49.28 33.60 74.68	174.88
40 05 19 00-0572	EA		4" Flanged x Grooved (FxB), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	737.45 -51.57 35.16 78.15	177.31
40 05 19 00-0573	EA		4" Flanged x Grooved (FxB), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	761.91 -53.86 36.72 81.62	179.73
40 05 19 00-0574	EA		4" Flanged x Grooved (FxB), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	786.38 -56.14 38.28 85.08	182.15
40 05 19 00-0575	EA		4" Flanged x Grooved (FxB), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	810.85 -58.43 39.84 88.55	184.57
40 05 19 00-0576	EA		4" Flanged x Grooved (FxB), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	835.33 -60.72 41.40 92.02	187.00
40 05 19 00-0577	EA		4" Flanged x Grooved (FxB), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	859.80 -63.01 42.96 95.49	189.42
40 05 19 00-0578	EA		4" Flanged x Grooved (FxB), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	884.26 -65.30 44.52 98.95	191.84
40 05 19 00-0579	EA		4" Flanged x Grooved (FxB), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	908.73 -67.58 46.08 102.42	194.26
40 05 19 00-0580	EA		4" Flanged x Grooved (FxB), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	933.21 -69.87 47.64 105.89	196.69



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0581 EA 4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	957.68	199.10
For Class 52 Rating, Deduct	-72.16	
For Class 54 Rating, Add	49.20	
For Class 55 Rating, Add	109.36	
40 05 19 00-0582 EA 4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	982.14	201.53
For Class 52 Rating, Deduct	-74.45	
For Class 54 Rating, Add	50.76	
For Class 55 Rating, Add	112.82	
40 05 19 00-0583 EA 4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,006.61	203.95
For Class 52 Rating, Deduct	-76.74	
For Class 54 Rating, Add	52.32	
For Class 55 Rating, Add	116.29	
40 05 19 00-0584 EA 4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,031.08	206.37
For Class 52 Rating, Deduct	-79.02	
For Class 54 Rating, Add	53.88	
For Class 55 Rating, Add	119.76	
40 05 19 00-0585 EA 4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,055.56	208.79
For Class 52 Rating, Deduct	-81.31	
For Class 54 Rating, Add	55.44	
For Class 55 Rating, Add	123.22	
40 05 19 00-0586 EA 4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,080.02	211.22
For Class 52 Rating, Deduct	-83.60	
For Class 54 Rating, Add	57.00	
For Class 55 Rating, Add	126.69	
40 05 19 00-0587 EA 4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,104.49	213.64
For Class 52 Rating, Deduct	-85.89	
For Class 54 Rating, Add	58.56	
For Class 55 Rating, Add	130.16	
40 05 19 00-0588 EA 4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,128.96	216.06
For Class 52 Rating, Deduct	-88.18	
For Class 54 Rating, Add	60.12	
For Class 55 Rating, Add	133.63	
40 05 19 00-0589 EA 4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,153.44	218.49
For Class 52 Rating, Deduct	-90.46	
For Class 54 Rating, Add	61.68	
For Class 55 Rating, Add	137.09	
40 05 19 00-0590 EA 4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,177.90	220.91
For Class 52 Rating, Deduct	-92.75	
For Class 54 Rating, Add	63.24	
For Class 55 Rating, Add	140.56	
40 05 19 00-0591 EA 4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,202.37	223.33
For Class 52 Rating, Deduct	-95.04	
For Class 54 Rating, Add	64.80	
For Class 55 Rating, Add	144.03	
40 05 19 00-0592 EA 4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,226.84	225.75
For Class 52 Rating, Deduct	-97.33	
For Class 54 Rating, Add	66.36	
For Class 55 Rating, Add	147.50	
40 05 19 00-0593 EA 4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,251.32	228.18
For Class 52 Rating, Deduct	-99.62	
For Class 54 Rating, Add	67.92	
For Class 55 Rating, Add	150.96	
40 05 19 00-0594 EA 4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,275.79	230.59
For Class 52 Rating, Deduct	-101.90	
For Class 54 Rating, Add	69.48	
For Class 55 Rating, Add	154.43	
40 05 19 00-0595 6" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
<small>(40 05 19 00-0554)</small>		
40 05 19 00-0596 EA 6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	433.04	174.40
For Class 52 Rating, Deduct	-18.57	
For Class 54 Rating, Add	12.66	
For Class 55 Rating, Add	28.14	
40 05 19 00-0597 EA 6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	462.31	176.82
For Class 52 Rating, Deduct	-21.38	
For Class 54 Rating, Add	14.58	
For Class 55 Rating, Add	32.41	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0598	EA		6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	491.58	179.24
			<i>For Class 52 Rating, Deduct</i>	-24.20	
			<i>For Class 54 Rating, Add</i>	16.50	
			<i>For Class 55 Rating, Add</i>	36.67	
40 05 19 00-0599	EA		6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	520.85	181.67
			<i>For Class 52 Rating, Deduct</i>	-27.02	
			<i>For Class 54 Rating, Add</i>	18.42	
			<i>For Class 55 Rating, Add</i>	40.94	
40 05 19 00-0600	EA		6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	550.12	184.09
			<i>For Class 52 Rating, Deduct</i>	-29.83	
			<i>For Class 54 Rating, Add</i>	20.34	
			<i>For Class 55 Rating, Add</i>	45.21	
40 05 19 00-0601	EA		6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	579.39	186.51
			<i>For Class 52 Rating, Deduct</i>	-32.65	
			<i>For Class 54 Rating, Add</i>	22.26	
			<i>For Class 55 Rating, Add</i>	49.48	
40 05 19 00-0602	EA		6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	608.66	188.93
			<i>For Class 52 Rating, Deduct</i>	-35.46	
			<i>For Class 54 Rating, Add</i>	24.18	
			<i>For Class 55 Rating, Add</i>	53.74	
40 05 19 00-0603	EA		6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	637.93	191.36
			<i>For Class 52 Rating, Deduct</i>	-38.28	
			<i>For Class 54 Rating, Add</i>	26.10	
			<i>For Class 55 Rating, Add</i>	58.01	
40 05 19 00-0604	EA		6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	667.19	193.77
			<i>For Class 52 Rating, Deduct</i>	-41.10	
			<i>For Class 54 Rating, Add</i>	28.02	
			<i>For Class 55 Rating, Add</i>	62.28	
40 05 19 00-0605	EA		6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	696.47	196.20
			<i>For Class 52 Rating, Deduct</i>	-43.91	
			<i>For Class 54 Rating, Add</i>	29.94	
			<i>For Class 55 Rating, Add</i>	66.55	
40 05 19 00-0606	EA		6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	725.74	198.62
			<i>For Class 52 Rating, Deduct</i>	-46.73	
			<i>For Class 54 Rating, Add</i>	31.86	
			<i>For Class 55 Rating, Add</i>	70.81	
40 05 19 00-0607	EA		6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	755.01	201.04
			<i>For Class 52 Rating, Deduct</i>	-49.54	
			<i>For Class 54 Rating, Add</i>	33.78	
			<i>For Class 55 Rating, Add</i>	75.08	
40 05 19 00-0608	EA		6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	784.28	203.46
			<i>For Class 52 Rating, Deduct</i>	-52.36	
			<i>For Class 54 Rating, Add</i>	35.70	
			<i>For Class 55 Rating, Add</i>	79.35	
40 05 19 00-0609	EA		6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	813.55	205.89
			<i>For Class 52 Rating, Deduct</i>	-55.18	
			<i>For Class 54 Rating, Add</i>	37.62	
			<i>For Class 55 Rating, Add</i>	83.62	
40 05 19 00-0610	EA		6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	842.82	208.31
			<i>For Class 52 Rating, Deduct</i>	-57.99	
			<i>For Class 54 Rating, Add</i>	39.54	
			<i>For Class 55 Rating, Add</i>	87.88	
40 05 19 00-0611	EA		6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	872.09	210.73
			<i>For Class 52 Rating, Deduct</i>	-60.81	
			<i>For Class 54 Rating, Add</i>	41.46	
			<i>For Class 55 Rating, Add</i>	92.15	
40 05 19 00-0612	EA		6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	901.36	213.15
			<i>For Class 52 Rating, Deduct</i>	-63.62	
			<i>For Class 54 Rating, Add</i>	43.38	
			<i>For Class 55 Rating, Add</i>	96.42	
40 05 19 00-0613	EA		6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	930.63	215.58
			<i>For Class 52 Rating, Deduct</i>	-66.44	
			<i>For Class 54 Rating, Add</i>	45.30	
			<i>For Class 55 Rating, Add</i>	100.69	
40 05 19 00-0614	EA		6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	959.90	217.99
			<i>For Class 52 Rating, Deduct</i>	-69.26	
			<i>For Class 54 Rating, Add</i>	47.22	
			<i>For Class 55 Rating, Add</i>	104.95	



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	40
Ductile Iron Process Pipe 40 05 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0615 EA 6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	989.17	220.42
<i>For Class 52 Rating, Deduct</i>	-72.07	
<i>For Class 54 Rating, Add</i>	49.14	
<i>For Class 55 Rating, Add</i>	109.22	
40 05 19 00-0616 EA 6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,018.44	222.84
<i>For Class 52 Rating, Deduct</i>	-74.89	
<i>For Class 54 Rating, Add</i>	51.06	
<i>For Class 55 Rating, Add</i>	113.49	
40 05 19 00-0617 EA 6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,047.70	225.26
<i>For Class 52 Rating, Deduct</i>	-77.70	
<i>For Class 54 Rating, Add</i>	52.98	
<i>For Class 55 Rating, Add</i>	117.76	
40 05 19 00-0618 EA 6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,076.98	227.69
<i>For Class 52 Rating, Deduct</i>	-80.52	
<i>For Class 54 Rating, Add</i>	54.90	
<i>For Class 55 Rating, Add</i>	122.02	
40 05 19 00-0619 EA 6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,106.25	230.11
<i>For Class 52 Rating, Deduct</i>	-83.34	
<i>For Class 54 Rating, Add</i>	56.82	
<i>For Class 55 Rating, Add</i>	126.29	
40 05 19 00-0620 EA 6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,135.52	232.53
<i>For Class 52 Rating, Deduct</i>	-86.15	
<i>For Class 54 Rating, Add</i>	58.74	
<i>For Class 55 Rating, Add</i>	130.56	
40 05 19 00-0621 EA 6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,164.79	234.95
<i>For Class 52 Rating, Deduct</i>	-88.97	
<i>For Class 54 Rating, Add</i>	60.66	
<i>For Class 55 Rating, Add</i>	134.83	
40 05 19 00-0622 EA 6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,194.06	237.38
<i>For Class 52 Rating, Deduct</i>	-91.78	
<i>For Class 54 Rating, Add</i>	62.58	
<i>For Class 55 Rating, Add</i>	139.09	
40 05 19 00-0623 EA 6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,223.33	239.80
<i>For Class 52 Rating, Deduct</i>	-94.60	
<i>For Class 54 Rating, Add</i>	64.50	
<i>For Class 55 Rating, Add</i>	143.36	
40 05 19 00-0624 EA 6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,252.60	242.22
<i>For Class 52 Rating, Deduct</i>	-97.42	
<i>For Class 54 Rating, Add</i>	66.42	
<i>For Class 55 Rating, Add</i>	147.63	
40 05 19 00-0625 EA 6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,281.87	244.64
<i>For Class 52 Rating, Deduct</i>	-100.23	
<i>For Class 54 Rating, Add</i>	68.34	
<i>For Class 55 Rating, Add</i>	151.90	
40 05 19 00-0626 EA 6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,311.14	247.07
<i>For Class 52 Rating, Deduct</i>	-103.05	
<i>For Class 54 Rating, Add</i>	70.26	
<i>For Class 55 Rating, Add</i>	156.16	
40 05 19 00-0627 EA 6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,340.41	249.48
<i>For Class 52 Rating, Deduct</i>	-105.86	
<i>For Class 54 Rating, Add</i>	72.18	
<i>For Class 55 Rating, Add</i>	160.43	
40 05 19 00-0628 EA 6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,369.68	251.91
<i>For Class 52 Rating, Deduct</i>	-108.68	
<i>For Class 54 Rating, Add</i>	74.10	
<i>For Class 55 Rating, Add</i>	164.70	
40 05 19 00-0629 EA 6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,398.95	254.33
<i>For Class 52 Rating, Deduct</i>	-111.50	
<i>For Class 54 Rating, Add</i>	76.02	
<i>For Class 55 Rating, Add</i>	168.97	
40 05 19 00-0630 EA 6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,428.22	256.75
<i>For Class 52 Rating, Deduct</i>	-114.31	
<i>For Class 54 Rating, Add</i>	77.94	
<i>For Class 55 Rating, Add</i>	173.23	
40 05 19 00-0631 EA 6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,457.49	259.17
<i>For Class 52 Rating, Deduct</i>	-117.13	
<i>For Class 54 Rating, Add</i>	79.86	
<i>For Class 55 Rating, Add</i>	177.50	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0632	EA		6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,486.76	261.60
			<i>For Class 52 Rating, Deduct</i>	-119.94	
			<i>For Class 54 Rating, Add</i>	81.78	
			<i>For Class 55 Rating, Add</i>	181.77	
40 05 19 00-0633	EA		6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,516.03	264.01
			<i>For Class 52 Rating, Deduct</i>	-122.76	
			<i>For Class 54 Rating, Add</i>	83.70	
			<i>For Class 55 Rating, Add</i>	186.04	
40 05 19 00-0634	EA		6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,545.30	266.44
			<i>For Class 52 Rating, Deduct</i>	-125.58	
			<i>For Class 54 Rating, Add</i>	85.62	
			<i>For Class 55 Rating, Add</i>	190.30	
40 05 19 00-0635			8" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
			<small>(40 05 19 00-0554)</small>		
40 05 19 00-0636	EA		8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	584.04	222.84
			<i>For Class 52 Rating, Deduct</i>	-27.10	
			<i>For Class 54 Rating, Add</i>	18.48	
			<i>For Class 55 Rating, Add</i>	41.07	
40 05 19 00-0637	EA		8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	622.90	225.26
			<i>For Class 52 Rating, Deduct</i>	-30.98	
			<i>For Class 54 Rating, Add</i>	21.12	
			<i>For Class 55 Rating, Add</i>	46.94	
40 05 19 00-0638	EA		8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	661.78	227.69
			<i>For Class 52 Rating, Deduct</i>	-34.85	
			<i>For Class 54 Rating, Add</i>	23.76	
			<i>For Class 55 Rating, Add</i>	52.81	
40 05 19 00-0639	EA		8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	700.65	230.11
			<i>For Class 52 Rating, Deduct</i>	-38.72	
			<i>For Class 54 Rating, Add</i>	26.40	
			<i>For Class 55 Rating, Add</i>	58.68	
40 05 19 00-0640	EA		8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	739.52	232.53
			<i>For Class 52 Rating, Deduct</i>	-42.59	
			<i>For Class 54 Rating, Add</i>	29.04	
			<i>For Class 55 Rating, Add</i>	64.55	
40 05 19 00-0641	EA		8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	778.39	234.95
			<i>For Class 52 Rating, Deduct</i>	-46.46	
			<i>For Class 54 Rating, Add</i>	31.68	
			<i>For Class 55 Rating, Add</i>	70.41	
40 05 19 00-0642	EA		8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	817.26	237.38
			<i>For Class 52 Rating, Deduct</i>	-50.34	
			<i>For Class 54 Rating, Add</i>	34.32	
			<i>For Class 55 Rating, Add</i>	76.28	
40 05 19 00-0643	EA		8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	856.13	239.80
			<i>For Class 52 Rating, Deduct</i>	-54.21	
			<i>For Class 54 Rating, Add</i>	36.96	
			<i>For Class 55 Rating, Add</i>	82.15	
40 05 19 00-0644	EA		8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	895.00	242.22
			<i>For Class 52 Rating, Deduct</i>	-58.08	
			<i>For Class 54 Rating, Add</i>	39.60	
			<i>For Class 55 Rating, Add</i>	88.02	
40 05 19 00-0645	EA		8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	933.87	244.64
			<i>For Class 52 Rating, Deduct</i>	-61.95	
			<i>For Class 54 Rating, Add</i>	42.24	
			<i>For Class 55 Rating, Add</i>	93.89	
40 05 19 00-0646	EA		8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	972.74	247.07
			<i>For Class 52 Rating, Deduct</i>	-65.82	
			<i>For Class 54 Rating, Add</i>	44.88	
			<i>For Class 55 Rating, Add</i>	99.75	
40 05 19 00-0647	EA		8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,011.61	249.48
			<i>For Class 52 Rating, Deduct</i>	-69.70	
			<i>For Class 54 Rating, Add</i>	47.52	
			<i>For Class 55 Rating, Add</i>	105.62	
40 05 19 00-0648	EA		8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,050.48	251.91
			<i>For Class 52 Rating, Deduct</i>	-73.57	
			<i>For Class 54 Rating, Add</i>	50.16	
			<i>For Class 55 Rating, Add</i>	111.49	



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0649 EA 8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,089.35	254.33
<i>For Class 52 Rating, Deduct</i>	-77.44	
<i>For Class 54 Rating, Add</i>	52.80	
<i>For Class 55 Rating, Add</i>	117.36	
40 05 19 00-0650 EA 8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,128.22	256.75
<i>For Class 52 Rating, Deduct</i>	-81.31	
<i>For Class 54 Rating, Add</i>	55.44	
<i>For Class 55 Rating, Add</i>	123.22	
40 05 19 00-0651 EA 8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,167.09	259.17
<i>For Class 52 Rating, Deduct</i>	-85.18	
<i>For Class 54 Rating, Add</i>	58.08	
<i>For Class 55 Rating, Add</i>	129.09	
40 05 19 00-0652 EA 8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,205.96	261.60
<i>For Class 52 Rating, Deduct</i>	-89.06	
<i>For Class 54 Rating, Add</i>	60.72	
<i>For Class 55 Rating, Add</i>	134.96	
40 05 19 00-0653 EA 8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,244.83	264.01
<i>For Class 52 Rating, Deduct</i>	-92.93	
<i>For Class 54 Rating, Add</i>	63.36	
<i>For Class 55 Rating, Add</i>	140.83	
40 05 19 00-0654 EA 8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,283.70	266.44
<i>For Class 52 Rating, Deduct</i>	-96.80	
<i>For Class 54 Rating, Add</i>	66.00	
<i>For Class 55 Rating, Add</i>	146.70	
40 05 19 00-0655 EA 8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,322.57	268.87
<i>For Class 52 Rating, Deduct</i>	-100.67	
<i>For Class 54 Rating, Add</i>	68.64	
<i>For Class 55 Rating, Add</i>	152.56	
40 05 19 00-0656 EA 8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,361.44	271.29
<i>For Class 52 Rating, Deduct</i>	-104.54	
<i>For Class 54 Rating, Add</i>	71.28	
<i>For Class 55 Rating, Add</i>	158.43	
40 05 19 00-0657 EA 8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,400.31	273.71
<i>For Class 52 Rating, Deduct</i>	-108.42	
<i>For Class 54 Rating, Add</i>	73.92	
<i>For Class 55 Rating, Add</i>	164.30	
40 05 19 00-0658 EA 8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,439.18	276.13
<i>For Class 52 Rating, Deduct</i>	-112.29	
<i>For Class 54 Rating, Add</i>	76.56	
<i>For Class 55 Rating, Add</i>	170.17	
40 05 19 00-0659 EA 8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,478.05	278.56
<i>For Class 52 Rating, Deduct</i>	-116.16	
<i>For Class 54 Rating, Add</i>	79.20	
<i>For Class 55 Rating, Add</i>	176.04	
40 05 19 00-0660 EA 8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,516.92	280.97
<i>For Class 52 Rating, Deduct</i>	-120.03	
<i>For Class 54 Rating, Add</i>	81.84	
<i>For Class 55 Rating, Add</i>	181.90	
40 05 19 00-0661 EA 8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,555.79	283.40
<i>For Class 52 Rating, Deduct</i>	-123.90	
<i>For Class 54 Rating, Add</i>	84.48	
<i>For Class 55 Rating, Add</i>	187.77	
40 05 19 00-0662 EA 8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,594.66	285.82
<i>For Class 52 Rating, Deduct</i>	-127.78	
<i>For Class 54 Rating, Add</i>	87.12	
<i>For Class 55 Rating, Add</i>	193.64	
40 05 19 00-0663 EA 8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,633.53	288.24
<i>For Class 52 Rating, Deduct</i>	-131.65	
<i>For Class 54 Rating, Add</i>	89.76	
<i>For Class 55 Rating, Add</i>	199.51	
40 05 19 00-0664 EA 8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,672.40	290.66
<i>For Class 52 Rating, Deduct</i>	-135.52	
<i>For Class 54 Rating, Add</i>	92.40	
<i>For Class 55 Rating, Add</i>	205.37	
40 05 19 00-0665 EA 8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,711.27	293.09
<i>For Class 52 Rating, Deduct</i>	-139.39	
<i>For Class 54 Rating, Add</i>	95.04	
<i>For Class 55 Rating, Add</i>	211.24	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0666	EA		8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,750.14	295.50
			<i>For Class 52 Rating, Deduct</i>	-143.26	
			<i>For Class 54 Rating, Add</i>	97.68	
			<i>For Class 55 Rating, Add</i>	217.11	
40 05 19 00-0667	EA		8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,789.01	297.93
			<i>For Class 52 Rating, Deduct</i>	-147.14	
			<i>For Class 54 Rating, Add</i>	100.32	
			<i>For Class 55 Rating, Add</i>	222.98	
40 05 19 00-0668	EA		8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,827.88	300.35
			<i>For Class 52 Rating, Deduct</i>	-151.01	
			<i>For Class 54 Rating, Add</i>	102.96	
			<i>For Class 55 Rating, Add</i>	228.85	
40 05 19 00-0669	EA		8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,866.75	302.78
			<i>For Class 52 Rating, Deduct</i>	-154.88	
			<i>For Class 54 Rating, Add</i>	105.60	
			<i>For Class 55 Rating, Add</i>	234.71	
40 05 19 00-0670	EA		8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,905.62	305.19
			<i>For Class 52 Rating, Deduct</i>	-158.75	
			<i>For Class 54 Rating, Add</i>	108.24	
			<i>For Class 55 Rating, Add</i>	240.58	
40 05 19 00-0671	EA		8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,944.49	307.62
			<i>For Class 52 Rating, Deduct</i>	-162.62	
			<i>For Class 54 Rating, Add</i>	110.88	
			<i>For Class 55 Rating, Add</i>	246.45	
40 05 19 00-0672	EA		8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,983.36	310.04
			<i>For Class 52 Rating, Deduct</i>	-166.50	
			<i>For Class 54 Rating, Add</i>	113.52	
			<i>For Class 55 Rating, Add</i>	252.32	
40 05 19 00-0673	EA		8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,022.23	312.46
			<i>For Class 52 Rating, Deduct</i>	-170.37	
			<i>For Class 54 Rating, Add</i>	116.16	
			<i>For Class 55 Rating, Add</i>	258.18	
40 05 19 00-0674	EA		8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,061.10	314.89
			<i>For Class 52 Rating, Deduct</i>	-174.24	
			<i>For Class 54 Rating, Add</i>	118.80	
			<i>For Class 55 Rating, Add</i>	264.05	
40 05 19 00-0675			10" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0676	EA		10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	726.24	271.29
			<i>For Class 52 Rating, Deduct</i>	-34.67	
			<i>For Class 54 Rating, Add</i>	23.64	
			<i>For Class 55 Rating, Add</i>	52.54	
40 05 19 00-0677	EA		10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	776.31	273.71
			<i>For Class 52 Rating, Deduct</i>	-39.78	
			<i>For Class 54 Rating, Add</i>	27.12	
			<i>For Class 55 Rating, Add</i>	60.28	
40 05 19 00-0678	EA		10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	826.38	276.13
			<i>For Class 52 Rating, Deduct</i>	-44.88	
			<i>For Class 54 Rating, Add</i>	30.60	
			<i>For Class 55 Rating, Add</i>	68.01	
40 05 19 00-0679	EA		10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	876.45	278.56
			<i>For Class 52 Rating, Deduct</i>	-49.98	
			<i>For Class 54 Rating, Add</i>	34.08	
			<i>For Class 55 Rating, Add</i>	75.75	
40 05 19 00-0680	EA		10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	926.52	280.97
			<i>For Class 52 Rating, Deduct</i>	-55.09	
			<i>For Class 54 Rating, Add</i>	37.56	
			<i>For Class 55 Rating, Add</i>	83.48	
40 05 19 00-0681	EA		10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	976.59	283.40
			<i>For Class 52 Rating, Deduct</i>	-60.19	
			<i>For Class 54 Rating, Add</i>	41.04	
			<i>For Class 55 Rating, Add</i>	91.22	
40 05 19 00-0682	EA		10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,026.66	285.82
			<i>For Class 52 Rating, Deduct</i>	-65.30	
			<i>For Class 54 Rating, Add</i>	44.52	
			<i>For Class 55 Rating, Add</i>	98.95	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0683 EA 10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,076.73	288.24
<i>For Class 52 Rating, Deduct</i>	-70.40	
<i>For Class 54 Rating, Add</i>	48.00	
<i>For Class 55 Rating, Add</i>	106.69	
40 05 19 00-0684 EA 10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,126.80	290.66
<i>For Class 52 Rating, Deduct</i>	-75.50	
<i>For Class 54 Rating, Add</i>	51.48	
<i>For Class 55 Rating, Add</i>	114.42	
40 05 19 00-0685 EA 10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,176.87	293.09
<i>For Class 52 Rating, Deduct</i>	-80.61	
<i>For Class 54 Rating, Add</i>	54.96	
<i>For Class 55 Rating, Add</i>	122.16	
40 05 19 00-0686 EA 10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,226.94	295.50
<i>For Class 52 Rating, Deduct</i>	-85.71	
<i>For Class 54 Rating, Add</i>	58.44	
<i>For Class 55 Rating, Add</i>	129.89	
40 05 19 00-0687 EA 10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,277.01	297.93
<i>For Class 52 Rating, Deduct</i>	-90.82	
<i>For Class 54 Rating, Add</i>	61.92	
<i>For Class 55 Rating, Add</i>	137.63	
40 05 19 00-0688 EA 10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,327.08	300.35
<i>For Class 52 Rating, Deduct</i>	-95.92	
<i>For Class 54 Rating, Add</i>	65.40	
<i>For Class 55 Rating, Add</i>	145.36	
40 05 19 00-0689 EA 10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,377.15	302.78
<i>For Class 52 Rating, Deduct</i>	-101.02	
<i>For Class 54 Rating, Add</i>	68.88	
<i>For Class 55 Rating, Add</i>	153.10	
40 05 19 00-0690 EA 10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,427.22	305.19
<i>For Class 52 Rating, Deduct</i>	-106.13	
<i>For Class 54 Rating, Add</i>	72.36	
<i>For Class 55 Rating, Add</i>	160.83	
40 05 19 00-0691 EA 10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,477.29	307.62
<i>For Class 52 Rating, Deduct</i>	-111.23	
<i>For Class 54 Rating, Add</i>	75.84	
<i>For Class 55 Rating, Add</i>	168.57	
40 05 19 00-0692 EA 10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,527.36	310.04
<i>For Class 52 Rating, Deduct</i>	-116.34	
<i>For Class 54 Rating, Add</i>	79.32	
<i>For Class 55 Rating, Add</i>	176.30	
40 05 19 00-0693 EA 10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,577.43	312.46
<i>For Class 52 Rating, Deduct</i>	-121.44	
<i>For Class 54 Rating, Add</i>	82.80	
<i>For Class 55 Rating, Add</i>	184.04	
40 05 19 00-0694 EA 10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,627.50	314.89
<i>For Class 52 Rating, Deduct</i>	-126.54	
<i>For Class 54 Rating, Add</i>	86.28	
<i>For Class 55 Rating, Add</i>	191.77	
40 05 19 00-0695 EA 10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,677.57	317.31
<i>For Class 52 Rating, Deduct</i>	-131.65	
<i>For Class 54 Rating, Add</i>	89.76	
<i>For Class 55 Rating, Add</i>	199.51	
40 05 19 00-0696 EA 10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,727.64	319.73
<i>For Class 52 Rating, Deduct</i>	-136.75	
<i>For Class 54 Rating, Add</i>	93.24	
<i>For Class 55 Rating, Add</i>	207.24	
40 05 19 00-0697 EA 10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,777.71	322.15
<i>For Class 52 Rating, Deduct</i>	-141.86	
<i>For Class 54 Rating, Add</i>	96.72	
<i>For Class 55 Rating, Add</i>	214.98	
40 05 19 00-0698 EA 10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,827.78	324.58
<i>For Class 52 Rating, Deduct</i>	-146.96	
<i>For Class 54 Rating, Add</i>	100.20	
<i>For Class 55 Rating, Add</i>	222.71	
40 05 19 00-0699 EA 10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,877.85	327.00
<i>For Class 52 Rating, Deduct</i>	-152.06	
<i>For Class 54 Rating, Add</i>	103.68	
<i>For Class 55 Rating, Add</i>	230.45	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0700	EA		10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,927.92	329.42
			<i>For Class 52 Rating, Deduct</i>	-157.17	
			<i>For Class 54 Rating, Add</i>	107.16	
			<i>For Class 55 Rating, Add</i>	238.18	
40 05 19 00-0701	EA		10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,977.99	331.84
			<i>For Class 52 Rating, Deduct</i>	-162.27	
			<i>For Class 54 Rating, Add</i>	110.64	
			<i>For Class 55 Rating, Add</i>	245.92	
40 05 19 00-0702	EA		10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,028.06	334.27
			<i>For Class 52 Rating, Deduct</i>	-167.38	
			<i>For Class 54 Rating, Add</i>	114.12	
			<i>For Class 55 Rating, Add</i>	253.65	
40 05 19 00-0703	EA		10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,078.13	336.68
			<i>For Class 52 Rating, Deduct</i>	-172.48	
			<i>For Class 54 Rating, Add</i>	117.60	
			<i>For Class 55 Rating, Add</i>	261.39	
40 05 19 00-0704	EA		10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,128.20	339.11
			<i>For Class 52 Rating, Deduct</i>	-177.58	
			<i>For Class 54 Rating, Add</i>	121.08	
			<i>For Class 55 Rating, Add</i>	269.12	
40 05 19 00-0705	EA		10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,178.27	341.53
			<i>For Class 52 Rating, Deduct</i>	-182.69	
			<i>For Class 54 Rating, Add</i>	124.56	
			<i>For Class 55 Rating, Add</i>	276.86	
40 05 19 00-0706	EA		10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,228.34	343.95
			<i>For Class 52 Rating, Deduct</i>	-187.79	
			<i>For Class 54 Rating, Add</i>	128.04	
			<i>For Class 55 Rating, Add</i>	284.59	
40 05 19 00-0707	EA		10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,278.41	346.37
			<i>For Class 52 Rating, Deduct</i>	-192.90	
			<i>For Class 54 Rating, Add</i>	131.52	
			<i>For Class 55 Rating, Add</i>	292.33	
40 05 19 00-0708	EA		10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,328.48	348.80
			<i>For Class 52 Rating, Deduct</i>	-198.00	
			<i>For Class 54 Rating, Add</i>	135.00	
			<i>For Class 55 Rating, Add</i>	300.06	
40 05 19 00-0709	EA		10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,378.55	351.21
			<i>For Class 52 Rating, Deduct</i>	-203.10	
			<i>For Class 54 Rating, Add</i>	138.48	
			<i>For Class 55 Rating, Add</i>	307.79	
40 05 19 00-0710	EA		10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,428.62	353.64
			<i>For Class 52 Rating, Deduct</i>	-208.21	
			<i>For Class 54 Rating, Add</i>	141.96	
			<i>For Class 55 Rating, Add</i>	315.53	
40 05 19 00-0711	EA		10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,478.69	356.06
			<i>For Class 52 Rating, Deduct</i>	-213.31	
			<i>For Class 54 Rating, Add</i>	145.44	
			<i>For Class 55 Rating, Add</i>	323.26	
40 05 19 00-0712	EA		10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,528.76	358.48
			<i>For Class 52 Rating, Deduct</i>	-218.42	
			<i>For Class 54 Rating, Add</i>	148.92	
			<i>For Class 55 Rating, Add</i>	331.00	
40 05 19 00-0713	EA		10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,578.83	360.91
			<i>For Class 52 Rating, Deduct</i>	-223.52	
			<i>For Class 54 Rating, Add</i>	152.40	
			<i>For Class 55 Rating, Add</i>	338.73	
40 05 19 00-0714	EA		10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,628.90	363.33
			<i>For Class 52 Rating, Deduct</i>	-228.62	
			<i>For Class 54 Rating, Add</i>	155.88	
			<i>For Class 55 Rating, Add</i>	346.47	
40 05 19 00-0715			12" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
			<small>(40 05 19 00-0554)</small>		
40 05 19 00-0716	EA		12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	931.40	339.11
			<i>For Class 52 Rating, Deduct</i>	-45.94	
			<i>For Class 54 Rating, Add</i>	31.32	
			<i>For Class 55 Rating, Add</i>	69.61	



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	40
Ductile Iron Process Pipe 40 05 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0717 EA 12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	993.47	341.53
<i>For Class 52 Rating, Deduct</i>	-52.36	
<i>For Class 54 Rating, Add</i>	35.70	
<i>For Class 55 Rating, Add</i>	79.35	
40 05 19 00-0718 EA 12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,055.54	343.95
<i>For Class 52 Rating, Deduct</i>	-58.78	
<i>For Class 54 Rating, Add</i>	40.08	
<i>For Class 55 Rating, Add</i>	89.08	
40 05 19 00-0719 EA 12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,117.61	346.37
<i>For Class 52 Rating, Deduct</i>	-65.21	
<i>For Class 54 Rating, Add</i>	44.46	
<i>For Class 55 Rating, Add</i>	98.82	
40 05 19 00-0720 EA 12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,179.68	348.80
<i>For Class 52 Rating, Deduct</i>	-71.63	
<i>For Class 54 Rating, Add</i>	48.84	
<i>For Class 55 Rating, Add</i>	108.56	
40 05 19 00-0721 EA 12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,241.75	351.21
<i>For Class 52 Rating, Deduct</i>	-78.06	
<i>For Class 54 Rating, Add</i>	53.22	
<i>For Class 55 Rating, Add</i>	118.29	
40 05 19 00-0722 EA 12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,303.82	353.64
<i>For Class 52 Rating, Deduct</i>	-84.48	
<i>For Class 54 Rating, Add</i>	57.60	
<i>For Class 55 Rating, Add</i>	128.03	
40 05 19 00-0723 EA 12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,365.89	356.06
<i>For Class 52 Rating, Deduct</i>	-90.90	
<i>For Class 54 Rating, Add</i>	61.98	
<i>For Class 55 Rating, Add</i>	137.76	
40 05 19 00-0724 EA 12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,427.96	358.48
<i>For Class 52 Rating, Deduct</i>	-97.33	
<i>For Class 54 Rating, Add</i>	66.36	
<i>For Class 55 Rating, Add</i>	147.50	
40 05 19 00-0725 EA 12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,490.03	360.91
<i>For Class 52 Rating, Deduct</i>	-103.75	
<i>For Class 54 Rating, Add</i>	70.74	
<i>For Class 55 Rating, Add</i>	157.23	
40 05 19 00-0726 EA 12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,552.10	363.33
<i>For Class 52 Rating, Deduct</i>	-110.18	
<i>For Class 54 Rating, Add</i>	75.12	
<i>For Class 55 Rating, Add</i>	166.97	
40 05 19 00-0727 EA 12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,614.17	365.76
<i>For Class 52 Rating, Deduct</i>	-116.60	
<i>For Class 54 Rating, Add</i>	79.50	
<i>For Class 55 Rating, Add</i>	176.70	
40 05 19 00-0728 EA 12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,676.24	368.17
<i>For Class 52 Rating, Deduct</i>	-123.02	
<i>For Class 54 Rating, Add</i>	83.88	
<i>For Class 55 Rating, Add</i>	186.44	
40 05 19 00-0729 EA 12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,738.31	370.60
<i>For Class 52 Rating, Deduct</i>	-129.45	
<i>For Class 54 Rating, Add</i>	88.26	
<i>For Class 55 Rating, Add</i>	196.17	
40 05 19 00-0730 EA 12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,800.38	373.02
<i>For Class 52 Rating, Deduct</i>	-135.87	
<i>For Class 54 Rating, Add</i>	92.64	
<i>For Class 55 Rating, Add</i>	205.91	
40 05 19 00-0731 EA 12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,862.45	375.44
<i>For Class 52 Rating, Deduct</i>	-142.30	
<i>For Class 54 Rating, Add</i>	97.02	
<i>For Class 55 Rating, Add</i>	215.64	
40 05 19 00-0732 EA 12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,924.52	377.86
<i>For Class 52 Rating, Deduct</i>	-148.72	
<i>For Class 54 Rating, Add</i>	101.40	
<i>For Class 55 Rating, Add</i>	225.38	
40 05 19 00-0733 EA 12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,986.59	380.29
<i>For Class 52 Rating, Deduct</i>	-155.14	
<i>For Class 54 Rating, Add</i>	105.78	
<i>For Class 55 Rating, Add</i>	235.11	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0734	EA		12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,048.66	382.70
			For Class 52 Rating, Deduct	-161.57	
			For Class 54 Rating, Add	110.16	
			For Class 55 Rating, Add	244.85	
40 05 19 00-0735	EA		12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,110.73	385.13
			For Class 52 Rating, Deduct	-167.99	
			For Class 54 Rating, Add	114.54	
			For Class 55 Rating, Add	254.58	
40 05 19 00-0736	EA		12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,172.80	387.55
			For Class 52 Rating, Deduct	-174.42	
			For Class 54 Rating, Add	118.92	
			For Class 55 Rating, Add	264.32	
40 05 19 00-0737	EA		12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,234.87	389.98
			For Class 52 Rating, Deduct	-180.84	
			For Class 54 Rating, Add	123.30	
			For Class 55 Rating, Add	274.05	
40 05 19 00-0738	EA		12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,296.93	392.39
			For Class 52 Rating, Deduct	-187.26	
			For Class 54 Rating, Add	127.68	
			For Class 55 Rating, Add	283.79	
40 05 19 00-0739	EA		12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,359.01	394.82
			For Class 52 Rating, Deduct	-193.69	
			For Class 54 Rating, Add	132.06	
			For Class 55 Rating, Add	293.53	
40 05 19 00-0740	EA		12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,421.08	397.24
			For Class 52 Rating, Deduct	-200.11	
			For Class 54 Rating, Add	136.44	
			For Class 55 Rating, Add	303.26	
40 05 19 00-0741	EA		12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,483.15	399.66
			For Class 52 Rating, Deduct	-206.54	
			For Class 54 Rating, Add	140.82	
			For Class 55 Rating, Add	313.00	
40 05 19 00-0742	EA		12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,545.22	402.09
			For Class 52 Rating, Deduct	-212.96	
			For Class 54 Rating, Add	145.20	
			For Class 55 Rating, Add	322.73	
40 05 19 00-0743	EA		12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,607.29	404.51
			For Class 52 Rating, Deduct	-219.38	
			For Class 54 Rating, Add	149.58	
			For Class 55 Rating, Add	332.47	
40 05 19 00-0744	EA		12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,669.36	406.93
			For Class 52 Rating, Deduct	-225.81	
			For Class 54 Rating, Add	153.96	
			For Class 55 Rating, Add	342.20	
40 05 19 00-0745	EA		12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,731.43	409.35
			For Class 52 Rating, Deduct	-232.23	
			For Class 54 Rating, Add	158.34	
			For Class 55 Rating, Add	351.94	
40 05 19 00-0746	EA		12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,793.50	411.78
			For Class 52 Rating, Deduct	-238.66	
			For Class 54 Rating, Add	162.72	
			For Class 55 Rating, Add	361.67	
40 05 19 00-0747	EA		12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,855.57	414.19
			For Class 52 Rating, Deduct	-245.08	
			For Class 54 Rating, Add	167.10	
			For Class 55 Rating, Add	371.41	
40 05 19 00-0748	EA		12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,917.64	416.62
			For Class 52 Rating, Deduct	-251.50	
			For Class 54 Rating, Add	171.48	
			For Class 55 Rating, Add	381.14	
40 05 19 00-0749	EA		12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,979.71	419.04
			For Class 52 Rating, Deduct	-257.93	
			For Class 54 Rating, Add	175.86	
			For Class 55 Rating, Add	390.88	
40 05 19 00-0750	EA		12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,041.78	421.47
			For Class 52 Rating, Deduct	-264.35	
			For Class 54 Rating, Add	180.24	
			For Class 55 Rating, Add	400.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0751 EA 12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,103.84	423.88
For Class 52 Rating, Deduct	-270.78	
For Class 54 Rating, Add	184.62	
For Class 55 Rating, Add	410.35	
40 05 19 00-0752 EA 12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,165.92	426.31
For Class 52 Rating, Deduct	-277.20	
For Class 54 Rating, Add	189.00	
For Class 55 Rating, Add	420.08	
40 05 19 00-0753 EA 12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,227.99	428.73
For Class 52 Rating, Deduct	-283.62	
For Class 54 Rating, Add	193.38	
For Class 55 Rating, Add	429.82	
40 05 19 00-0754 EA 12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,290.06	431.15
For Class 52 Rating, Deduct	-290.05	
For Class 54 Rating, Add	197.76	
For Class 55 Rating, Add	439.55	
40 05 19 00-0755 14" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-054)</small>		
40 05 19 00-0756 EA 14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,240.56	406.93
For Class 52 Rating, Deduct	-68.64	
For Class 54 Rating, Add	46.80	
For Class 55 Rating, Add	104.02	
40 05 19 00-0757 EA 14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,315.43	409.35
For Class 52 Rating, Deduct	-76.47	
For Class 54 Rating, Add	52.14	
For Class 55 Rating, Add	115.89	
40 05 19 00-0758 EA 14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,390.30	411.78
For Class 52 Rating, Deduct	-84.30	
For Class 54 Rating, Add	57.48	
For Class 55 Rating, Add	127.76	
40 05 19 00-0759 EA 14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,465.17	414.19
For Class 52 Rating, Deduct	-92.14	
For Class 54 Rating, Add	62.82	
For Class 55 Rating, Add	139.63	
40 05 19 00-0760 EA 14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,540.04	416.62
For Class 52 Rating, Deduct	-99.97	
For Class 54 Rating, Add	68.16	
For Class 55 Rating, Add	151.50	
40 05 19 00-0761 EA 14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,614.91	419.04
For Class 52 Rating, Deduct	-107.80	
For Class 54 Rating, Add	73.50	
For Class 55 Rating, Add	163.37	
40 05 19 00-0762 EA 14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,689.78	421.47
For Class 52 Rating, Deduct	-115.63	
For Class 54 Rating, Add	78.84	
For Class 55 Rating, Add	175.24	
40 05 19 00-0763 EA 14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,764.64	423.88
For Class 52 Rating, Deduct	-123.46	
For Class 54 Rating, Add	84.18	
For Class 55 Rating, Add	187.10	
40 05 19 00-0764 EA 14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,839.52	426.31
For Class 52 Rating, Deduct	-131.30	
For Class 54 Rating, Add	89.52	
For Class 55 Rating, Add	198.97	
40 05 19 00-0765 EA 14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,914.39	428.73
For Class 52 Rating, Deduct	-139.13	
For Class 54 Rating, Add	94.86	
For Class 55 Rating, Add	210.84	
40 05 19 00-0766 EA 14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,989.26	431.15
For Class 52 Rating, Deduct	-146.96	
For Class 54 Rating, Add	100.20	
For Class 55 Rating, Add	222.71	
40 05 19 00-0767 EA 14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,064.13	433.57
For Class 52 Rating, Deduct	-154.79	
For Class 54 Rating, Add	105.54	
For Class 55 Rating, Add	234.58	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0768	EA		14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,139.00	436.00
			For Class 52 Rating, Deduct	-162.62	
			For Class 54 Rating, Add	110.88	
			For Class 55 Rating, Add	246.45	
40 05 19 00-0769	EA		14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,213.87	438.41
			For Class 52 Rating, Deduct	-170.46	
			For Class 54 Rating, Add	116.22	
			For Class 55 Rating, Add	258.32	
40 05 19 00-0770	EA		14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,288.74	440.84
			For Class 52 Rating, Deduct	-178.29	
			For Class 54 Rating, Add	121.56	
			For Class 55 Rating, Add	270.19	
40 05 19 00-0771	EA		14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,363.61	443.26
			For Class 52 Rating, Deduct	-186.12	
			For Class 54 Rating, Add	126.90	
			For Class 55 Rating, Add	282.06	
40 05 19 00-0772	EA		14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,438.48	445.68
			For Class 52 Rating, Deduct	-193.95	
			For Class 54 Rating, Add	132.24	
			For Class 55 Rating, Add	293.93	
40 05 19 00-0773	EA		14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,513.35	448.11
			For Class 52 Rating, Deduct	-201.78	
			For Class 54 Rating, Add	137.58	
			For Class 55 Rating, Add	305.79	
40 05 19 00-0774	EA		14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,588.22	450.53
			For Class 52 Rating, Deduct	-209.62	
			For Class 54 Rating, Add	142.92	
			For Class 55 Rating, Add	317.66	
40 05 19 00-0775	EA		14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,663.09	452.96
			For Class 52 Rating, Deduct	-217.45	
			For Class 54 Rating, Add	148.26	
			For Class 55 Rating, Add	329.53	
40 05 19 00-0776	EA		14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,737.95	455.37
			For Class 52 Rating, Deduct	-225.28	
			For Class 54 Rating, Add	153.60	
			For Class 55 Rating, Add	341.40	
40 05 19 00-0777	EA		14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,812.83	457.80
			For Class 52 Rating, Deduct	-233.11	
			For Class 54 Rating, Add	158.94	
			For Class 55 Rating, Add	353.27	
40 05 19 00-0778	EA		14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,887.70	460.22
			For Class 52 Rating, Deduct	-240.94	
			For Class 54 Rating, Add	164.28	
			For Class 55 Rating, Add	365.14	
40 05 19 00-0779	EA		14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,962.57	462.64
			For Class 52 Rating, Deduct	-248.78	
			For Class 54 Rating, Add	169.62	
			For Class 55 Rating, Add	377.01	
40 05 19 00-0780	EA		14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,037.44	465.06
			For Class 52 Rating, Deduct	-256.61	
			For Class 54 Rating, Add	174.96	
			For Class 55 Rating, Add	388.88	
40 05 19 00-0781	EA		14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,112.31	467.49
			For Class 52 Rating, Deduct	-264.44	
			For Class 54 Rating, Add	180.30	
			For Class 55 Rating, Add	400.75	
40 05 19 00-0782	EA		14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,187.18	469.90
			For Class 52 Rating, Deduct	-272.27	
			For Class 54 Rating, Add	185.64	
			For Class 55 Rating, Add	412.62	
40 05 19 00-0783	EA		14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,262.05	472.33
			For Class 52 Rating, Deduct	-280.10	
			For Class 54 Rating, Add	190.98	
			For Class 55 Rating, Add	424.48	
40 05 19 00-0784	EA		14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,336.92	474.75
			For Class 52 Rating, Deduct	-287.94	
			For Class 54 Rating, Add	196.32	
			For Class 55 Rating, Add	436.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0785 EA 14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,411.79	477.17
For Class 52 Rating, Deduct	-295.77	
For Class 54 Rating, Add	201.66	
For Class 55 Rating, Add	448.22	
40 05 19 00-0786 EA 14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,486.66	479.59
For Class 52 Rating, Deduct	-303.60	
For Class 54 Rating, Add	207.00	
For Class 55 Rating, Add	460.09	
40 05 19 00-0787 EA 14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,561.53	482.02
For Class 52 Rating, Deduct	-311.43	
For Class 54 Rating, Add	212.34	
For Class 55 Rating, Add	471.96	
40 05 19 00-0788 EA 14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,636.40	484.44
For Class 52 Rating, Deduct	-319.26	
For Class 54 Rating, Add	217.68	
For Class 55 Rating, Add	483.83	
40 05 19 00-0789 EA 14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,711.26	486.86
For Class 52 Rating, Deduct	-327.10	
For Class 54 Rating, Add	223.02	
For Class 55 Rating, Add	495.70	
40 05 19 00-0790 EA 14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,786.14	489.28
For Class 52 Rating, Deduct	-334.93	
For Class 54 Rating, Add	228.36	
For Class 55 Rating, Add	507.57	
40 05 19 00-0791 EA 14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,861.01	491.71
For Class 52 Rating, Deduct	-342.76	
For Class 54 Rating, Add	233.70	
For Class 55 Rating, Add	519.44	
40 05 19 00-0792 EA 14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,935.88	494.13
For Class 52 Rating, Deduct	-350.59	
For Class 54 Rating, Add	239.04	
For Class 55 Rating, Add	531.31	
40 05 19 00-0793 EA 14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,010.75	496.55
For Class 52 Rating, Deduct	-358.42	
For Class 54 Rating, Add	244.38	
For Class 55 Rating, Add	543.18	
40 05 19 00-0794 16" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0795 EA 16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,443.04	465.06
For Class 52 Rating, Deduct	-81.22	
For Class 54 Rating, Add	55.38	
For Class 55 Rating, Add	123.09	
40 05 19 00-0796 EA 16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,529.91	467.49
For Class 52 Rating, Deduct	-90.38	
For Class 54 Rating, Add	61.62	
For Class 55 Rating, Add	136.96	
40 05 19 00-0797 EA 16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,616.78	469.90
For Class 52 Rating, Deduct	-99.53	
For Class 54 Rating, Add	67.86	
For Class 55 Rating, Add	150.83	
40 05 19 00-0798 EA 16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,703.65	472.33
For Class 52 Rating, Deduct	-108.68	
For Class 54 Rating, Add	74.10	
For Class 55 Rating, Add	164.70	
40 05 19 00-0799 EA 16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,790.52	474.75
For Class 52 Rating, Deduct	-117.83	
For Class 54 Rating, Add	80.34	
For Class 55 Rating, Add	178.57	
40 05 19 00-0800 EA 16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,877.39	477.17
For Class 52 Rating, Deduct	-126.98	
For Class 54 Rating, Add	86.58	
For Class 55 Rating, Add	192.44	
40 05 19 00-0801 EA 16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,964.26	479.59
For Class 52 Rating, Deduct	-136.14	
For Class 54 Rating, Add	92.82	
For Class 55 Rating, Add	206.31	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0802	EA		16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,051.13	482.02
			<i>For Class 52 Rating, Deduct</i>	-145.29	
			<i>For Class 54 Rating, Add</i>	99.06	
			<i>For Class 55 Rating, Add</i>	220.18	
40 05 19 00-0803	EA		16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,138.00	484.44
			<i>For Class 52 Rating, Deduct</i>	-154.44	
			<i>For Class 54 Rating, Add</i>	105.30	
			<i>For Class 55 Rating, Add</i>	234.05	
40 05 19 00-0804	EA		16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,216.86	486.86
			<i>For Class 52 Rating, Deduct</i>	-162.71	
			<i>For Class 54 Rating, Add</i>	110.94	
			<i>For Class 55 Rating, Add</i>	246.58	
40 05 19 00-0805	EA		16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,311.74	489.28
			<i>For Class 52 Rating, Deduct</i>	-172.74	
			<i>For Class 54 Rating, Add</i>	117.78	
			<i>For Class 55 Rating, Add</i>	261.79	
40 05 19 00-0806	EA		16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,398.61	491.71
			<i>For Class 52 Rating, Deduct</i>	-181.90	
			<i>For Class 54 Rating, Add</i>	124.02	
			<i>For Class 55 Rating, Add</i>	275.66	
40 05 19 00-0807	EA		16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,485.48	494.13
			<i>For Class 52 Rating, Deduct</i>	-191.05	
			<i>For Class 54 Rating, Add</i>	130.26	
			<i>For Class 55 Rating, Add</i>	289.52	
40 05 19 00-0808	EA		16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,572.35	496.55
			<i>For Class 52 Rating, Deduct</i>	-200.20	
			<i>For Class 54 Rating, Add</i>	136.50	
			<i>For Class 55 Rating, Add</i>	303.39	
40 05 19 00-0809	EA		16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,659.22	498.98
			<i>For Class 52 Rating, Deduct</i>	-209.35	
			<i>For Class 54 Rating, Add</i>	142.74	
			<i>For Class 55 Rating, Add</i>	317.26	
40 05 19 00-0810	EA		16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,746.09	501.39
			<i>For Class 52 Rating, Deduct</i>	-218.50	
			<i>For Class 54 Rating, Add</i>	148.98	
			<i>For Class 55 Rating, Add</i>	331.13	
40 05 19 00-0811	EA		16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,832.96	503.82
			<i>For Class 52 Rating, Deduct</i>	-227.66	
			<i>For Class 54 Rating, Add</i>	155.22	
			<i>For Class 55 Rating, Add</i>	345.00	
40 05 19 00-0812	EA		16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,919.83	506.24
			<i>For Class 52 Rating, Deduct</i>	-236.81	
			<i>For Class 54 Rating, Add</i>	161.46	
			<i>For Class 55 Rating, Add</i>	358.87	
40 05 19 00-0813	EA		16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,006.70	508.66
			<i>For Class 52 Rating, Deduct</i>	-245.96	
			<i>For Class 54 Rating, Add</i>	167.70	
			<i>For Class 55 Rating, Add</i>	372.74	
40 05 19 00-0814	EA		16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,093.57	511.08
			<i>For Class 52 Rating, Deduct</i>	-255.11	
			<i>For Class 54 Rating, Add</i>	173.94	
			<i>For Class 55 Rating, Add</i>	386.61	
40 05 19 00-0815	EA		16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,180.44	513.51
			<i>For Class 52 Rating, Deduct</i>	-264.26	
			<i>For Class 54 Rating, Add</i>	180.18	
			<i>For Class 55 Rating, Add</i>	400.48	
40 05 19 00-0816	EA		16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,267.31	515.93
			<i>For Class 52 Rating, Deduct</i>	-273.42	
			<i>For Class 54 Rating, Add</i>	186.42	
			<i>For Class 55 Rating, Add</i>	414.35	
40 05 19 00-0817	EA		16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,354.17	518.35
			<i>For Class 52 Rating, Deduct</i>	-282.57	
			<i>For Class 54 Rating, Add</i>	192.66	
			<i>For Class 55 Rating, Add</i>	428.22	
40 05 19 00-0818	EA		16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,441.05	520.77
			<i>For Class 52 Rating, Deduct</i>	-291.72	
			<i>For Class 54 Rating, Add</i>	198.90	
			<i>For Class 55 Rating, Add</i>	442.09	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0819 EA 16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,527.92	523.20
For Class 52 Rating, Deduct	-300.87	
For Class 54 Rating, Add	205.14	
For Class 55 Rating, Add	455.96	
40 05 19 00-0820 EA 16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,614.79	525.61
For Class 52 Rating, Deduct	-310.02	
For Class 54 Rating, Add	211.38	
For Class 55 Rating, Add	469.83	
40 05 19 00-0821 EA 16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,701.66	528.04
For Class 52 Rating, Deduct	-319.18	
For Class 54 Rating, Add	217.62	
For Class 55 Rating, Add	483.70	
40 05 19 00-0822 EA 16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,788.53	530.46
For Class 52 Rating, Deduct	-328.33	
For Class 54 Rating, Add	223.86	
For Class 55 Rating, Add	497.57	
40 05 19 00-0823 EA 16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,875.40	532.88
For Class 52 Rating, Deduct	-337.48	
For Class 54 Rating, Add	230.10	
For Class 55 Rating, Add	511.44	
40 05 19 00-0824 EA 16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,962.27	535.31
For Class 52 Rating, Deduct	-346.63	
For Class 54 Rating, Add	236.34	
For Class 55 Rating, Add	525.31	
40 05 19 00-0825 EA 16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,049.14	537.73
For Class 52 Rating, Deduct	-355.78	
For Class 54 Rating, Add	242.58	
For Class 55 Rating, Add	539.17	
40 05 19 00-0826 EA 16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,136.01	540.15
For Class 52 Rating, Deduct	-364.94	
For Class 54 Rating, Add	248.82	
For Class 55 Rating, Add	553.04	
40 05 19 00-0827 EA 16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,222.88	542.57
For Class 52 Rating, Deduct	-374.09	
For Class 54 Rating, Add	255.06	
For Class 55 Rating, Add	566.91	
40 05 19 00-0828 EA 16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,309.75	545.00
For Class 52 Rating, Deduct	-383.24	
For Class 54 Rating, Add	261.30	
For Class 55 Rating, Add	580.78	
40 05 19 00-0829 EA 16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,396.62	547.42
For Class 52 Rating, Deduct	-392.39	
For Class 54 Rating, Add	267.54	
For Class 55 Rating, Add	594.65	
40 05 19 00-0830 EA 16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,483.48	549.84
For Class 52 Rating, Deduct	-401.54	
For Class 54 Rating, Add	273.78	
For Class 55 Rating, Add	608.52	
40 05 19 00-0831 EA 16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,570.36	552.26
For Class 52 Rating, Deduct	-410.70	
For Class 54 Rating, Add	280.02	
For Class 55 Rating, Add	622.39	
40 05 19 00-0832 EA 16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,657.23	554.69
For Class 52 Rating, Deduct	-419.85	
For Class 54 Rating, Add	286.26	
For Class 55 Rating, Add	636.26	
40 05 19 00-0833 18" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)		
40 05 19 00-0834 EA 18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,670.19	524.17
For Class 52 Rating, Deduct	-96.36	
For Class 54 Rating, Add	65.70	
For Class 55 Rating, Add	146.03	
40 05 19 00-0835 EA 18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,769.86	526.59
For Class 52 Rating, Deduct	-106.92	
For Class 54 Rating, Add	72.90	
For Class 55 Rating, Add	162.03	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0836	EA		18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,869.53	529.01
			For Class 52 Rating, Deduct	-117.48	
			For Class 54 Rating, Add	80.10	
			For Class 55 Rating, Add	178.04	
40 05 19 00-0837	EA		18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,969.19	531.44
			For Class 52 Rating, Deduct	-128.04	
			For Class 54 Rating, Add	87.30	
			For Class 55 Rating, Add	194.04	
40 05 19 00-0838	EA		18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,068.87	533.85
			For Class 52 Rating, Deduct	-138.60	
			For Class 54 Rating, Add	94.50	
			For Class 55 Rating, Add	210.04	
40 05 19 00-0839	EA		18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,168.54	536.28
			For Class 52 Rating, Deduct	-149.16	
			For Class 54 Rating, Add	101.70	
			For Class 55 Rating, Add	226.05	
40 05 19 00-0840	EA		18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,268.21	538.70
			For Class 52 Rating, Deduct	-159.72	
			For Class 54 Rating, Add	108.90	
			For Class 55 Rating, Add	242.05	
40 05 19 00-0841	EA		18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,367.87	541.13
			For Class 52 Rating, Deduct	-170.28	
			For Class 54 Rating, Add	116.10	
			For Class 55 Rating, Add	258.05	
40 05 19 00-0842	EA		18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,467.54	543.54
			For Class 52 Rating, Deduct	-180.84	
			For Class 54 Rating, Add	123.30	
			For Class 55 Rating, Add	274.05	
40 05 19 00-0843	EA		18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,567.22	545.97
			For Class 52 Rating, Deduct	-191.40	
			For Class 54 Rating, Add	130.50	
			For Class 55 Rating, Add	290.06	
40 05 19 00-0844	EA		18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,666.89	548.39
			For Class 52 Rating, Deduct	-201.96	
			For Class 54 Rating, Add	137.70	
			For Class 55 Rating, Add	306.06	
40 05 19 00-0845	EA		18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,766.56	550.81
			For Class 52 Rating, Deduct	-212.52	
			For Class 54 Rating, Add	144.90	
			For Class 55 Rating, Add	322.06	
40 05 19 00-0846	EA		18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,866.22	553.23
			For Class 52 Rating, Deduct	-223.08	
			For Class 54 Rating, Add	152.10	
			For Class 55 Rating, Add	338.07	
40 05 19 00-0847	EA		18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,965.90	555.66
			For Class 52 Rating, Deduct	-233.64	
			For Class 54 Rating, Add	159.30	
			For Class 55 Rating, Add	354.07	
40 05 19 00-0848	EA		18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,065.57	558.07
			For Class 52 Rating, Deduct	-244.20	
			For Class 54 Rating, Add	166.50	
			For Class 55 Rating, Add	370.07	
40 05 19 00-0849	EA		18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,165.24	560.50
			For Class 52 Rating, Deduct	-254.76	
			For Class 54 Rating, Add	173.70	
			For Class 55 Rating, Add	386.08	
40 05 19 00-0850	EA		18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,264.90	562.92
			For Class 52 Rating, Deduct	-265.32	
			For Class 54 Rating, Add	180.90	
			For Class 55 Rating, Add	402.08	
40 05 19 00-0851	EA		18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,364.58	565.34
			For Class 52 Rating, Deduct	-275.88	
			For Class 54 Rating, Add	188.10	
			For Class 55 Rating, Add	418.08	
40 05 19 00-0852	EA		18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,464.25	567.77
			For Class 52 Rating, Deduct	-286.44	
			For Class 54 Rating, Add	195.30	
			For Class 55 Rating, Add	434.09	



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0853 EA 18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,563.92	570.19
For Class 52 Rating, Deduct	-297.00	
For Class 54 Rating, Add	202.50	
For Class 55 Rating, Add	450.09	
40 05 19 00-0854 EA 18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,663.58	572.62
For Class 52 Rating, Deduct	-307.56	
For Class 54 Rating, Add	209.70	
For Class 55 Rating, Add	466.09	
40 05 19 00-0855 EA 18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,763.25	575.03
For Class 52 Rating, Deduct	-318.12	
For Class 54 Rating, Add	216.90	
For Class 55 Rating, Add	482.10	
40 05 19 00-0856 EA 18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,862.93	577.46
For Class 52 Rating, Deduct	-328.68	
For Class 54 Rating, Add	224.10	
For Class 55 Rating, Add	498.10	
40 05 19 00-0857 EA 18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,962.60	579.88
For Class 52 Rating, Deduct	-339.24	
For Class 54 Rating, Add	231.30	
For Class 55 Rating, Add	514.10	
40 05 19 00-0858 EA 18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,062.27	582.30
For Class 52 Rating, Deduct	-349.80	
For Class 54 Rating, Add	238.50	
For Class 55 Rating, Add	530.11	
40 05 19 00-0859 EA 18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,161.93	584.72
For Class 52 Rating, Deduct	-360.36	
For Class 54 Rating, Add	245.70	
For Class 55 Rating, Add	546.11	
40 05 19 00-0860 EA 18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,261.61	587.15
For Class 52 Rating, Deduct	-370.92	
For Class 54 Rating, Add	252.90	
For Class 55 Rating, Add	562.11	
40 05 19 00-0861 EA 18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,361.28	589.56
For Class 52 Rating, Deduct	-381.48	
For Class 54 Rating, Add	260.10	
For Class 55 Rating, Add	578.12	
40 05 19 00-0862 EA 18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,460.95	591.99
For Class 52 Rating, Deduct	-392.04	
For Class 54 Rating, Add	267.30	
For Class 55 Rating, Add	594.12	
40 05 19 00-0863 EA 18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,560.61	594.41
For Class 52 Rating, Deduct	-402.60	
For Class 54 Rating, Add	274.50	
For Class 55 Rating, Add	610.12	
40 05 19 00-0864 EA 18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,660.29	596.83
For Class 52 Rating, Deduct	-413.16	
For Class 54 Rating, Add	281.70	
For Class 55 Rating, Add	626.13	
40 05 19 00-0865 EA 18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,759.96	599.25
For Class 52 Rating, Deduct	-423.72	
For Class 54 Rating, Add	288.90	
For Class 55 Rating, Add	642.13	
40 05 19 00-0866 EA 18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,859.63	601.68
For Class 52 Rating, Deduct	-434.28	
For Class 54 Rating, Add	296.10	
For Class 55 Rating, Add	658.13	
40 05 19 00-0867 EA 18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,959.29	604.10
For Class 52 Rating, Deduct	-444.84	
For Class 54 Rating, Add	303.30	
For Class 55 Rating, Add	674.13	
40 05 19 00-0868 EA 18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,058.96	606.52
For Class 52 Rating, Deduct	-455.40	
For Class 54 Rating, Add	310.50	
For Class 55 Rating, Add	690.14	
40 05 19 00-0869 EA 18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,158.64	608.94
For Class 52 Rating, Deduct	-465.96	
For Class 54 Rating, Add	317.70	
For Class 55 Rating, Add	706.14	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0870	EA		18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,258.31	611.37
			<i>For Class 52 Rating, Deduct</i>	-476.52	
			<i>For Class 54 Rating, Add</i>	324.90	
			<i>For Class 55 Rating, Add</i>	722.14	
40 05 19 00-0871	EA		18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,357.98	613.79
			<i>For Class 52 Rating, Deduct</i>	-487.08	
			<i>For Class 54 Rating, Add</i>	332.10	
			<i>For Class 55 Rating, Add</i>	738.15	
40 05 19 00-0872			20" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0873	EA		20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,929.69	598.28
			<i>For Class 52 Rating, Deduct</i>	-112.55	
			<i>For Class 54 Rating, Add</i>	76.74	
			<i>For Class 55 Rating, Add</i>	170.57	
40 05 19 00-0874	EA		20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,043.76	600.71
			<i>For Class 52 Rating, Deduct</i>	-124.70	
			<i>For Class 54 Rating, Add</i>	85.02	
			<i>For Class 55 Rating, Add</i>	188.97	
40 05 19 00-0875	EA		20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,157.83	603.12
			<i>For Class 52 Rating, Deduct</i>	-136.84	
			<i>For Class 54 Rating, Add</i>	93.30	
			<i>For Class 55 Rating, Add</i>	207.37	
40 05 19 00-0876	EA		20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,271.90	605.55
			<i>For Class 52 Rating, Deduct</i>	-148.98	
			<i>For Class 54 Rating, Add</i>	101.58	
			<i>For Class 55 Rating, Add</i>	225.78	
40 05 19 00-0877	EA		20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,385.97	607.97
			<i>For Class 52 Rating, Deduct</i>	-161.13	
			<i>For Class 54 Rating, Add</i>	109.86	
			<i>For Class 55 Rating, Add</i>	244.18	
40 05 19 00-0878	EA		20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,500.04	610.40
			<i>For Class 52 Rating, Deduct</i>	-173.27	
			<i>For Class 54 Rating, Add</i>	118.14	
			<i>For Class 55 Rating, Add</i>	262.59	
40 05 19 00-0879	EA		20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,614.10	612.81
			<i>For Class 52 Rating, Deduct</i>	-185.42	
			<i>For Class 54 Rating, Add</i>	126.42	
			<i>For Class 55 Rating, Add</i>	280.99	
40 05 19 00-0880	EA		20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,728.18	615.24
			<i>For Class 52 Rating, Deduct</i>	-197.56	
			<i>For Class 54 Rating, Add</i>	134.70	
			<i>For Class 55 Rating, Add</i>	299.39	
40 05 19 00-0881	EA		20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,842.25	617.66
			<i>For Class 52 Rating, Deduct</i>	-209.70	
			<i>For Class 54 Rating, Add</i>	142.98	
			<i>For Class 55 Rating, Add</i>	317.80	
40 05 19 00-0882	EA		20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,956.32	620.08
			<i>For Class 52 Rating, Deduct</i>	-221.85	
			<i>For Class 54 Rating, Add</i>	151.26	
			<i>For Class 55 Rating, Add</i>	336.20	
40 05 19 00-0883	EA		20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,070.38	622.50
			<i>For Class 52 Rating, Deduct</i>	-233.99	
			<i>For Class 54 Rating, Add</i>	159.54	
			<i>For Class 55 Rating, Add</i>	354.60	
40 05 19 00-0884	EA		20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,184.46	624.93
			<i>For Class 52 Rating, Deduct</i>	-246.14	
			<i>For Class 54 Rating, Add</i>	167.82	
			<i>For Class 55 Rating, Add</i>	373.01	
40 05 19 00-0885	EA		20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,298.53	627.35
			<i>For Class 52 Rating, Deduct</i>	-258.28	
			<i>For Class 54 Rating, Add</i>	176.10	
			<i>For Class 55 Rating, Add</i>	391.41	
40 05 19 00-0886	EA		20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,412.60	629.77
			<i>For Class 52 Rating, Deduct</i>	-270.42	
			<i>For Class 54 Rating, Add</i>	184.38	
			<i>For Class 55 Rating, Add</i>	409.82	



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	40
Ductile Iron Process Pipe 40 05 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0887 EA 20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,526.67	632.20
<i>For Class 52 Rating, Deduct</i>	-282.57	
<i>For Class 54 Rating, Add</i>	192.66	
<i>For Class 55 Rating, Add</i>	428.22	
40 05 19 00-0888 EA 20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,640.74	634.61
<i>For Class 52 Rating, Deduct</i>	-294.71	
<i>For Class 54 Rating, Add</i>	200.94	
<i>For Class 55 Rating, Add</i>	446.62	
40 05 19 00-0889 EA 20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,754.81	637.04
<i>For Class 52 Rating, Deduct</i>	-306.86	
<i>For Class 54 Rating, Add</i>	209.22	
<i>For Class 55 Rating, Add</i>	465.03	
40 05 19 00-0890 EA 20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,868.88	639.46
<i>For Class 52 Rating, Deduct</i>	-319.00	
<i>For Class 54 Rating, Add</i>	217.50	
<i>For Class 55 Rating, Add</i>	483.43	
40 05 19 00-0891 EA 20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,982.95	641.89
<i>For Class 52 Rating, Deduct</i>	-331.14	
<i>For Class 54 Rating, Add</i>	225.78	
<i>For Class 55 Rating, Add</i>	501.83	
40 05 19 00-0892 EA 20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,097.01	644.30
<i>For Class 52 Rating, Deduct</i>	-343.29	
<i>For Class 54 Rating, Add</i>	234.06	
<i>For Class 55 Rating, Add</i>	520.24	
40 05 19 00-0893 EA 20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,211.09	646.73
<i>For Class 52 Rating, Deduct</i>	-355.43	
<i>For Class 54 Rating, Add</i>	242.34	
<i>For Class 55 Rating, Add</i>	538.64	
40 05 19 00-0894 EA 20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,325.16	649.15
<i>For Class 52 Rating, Deduct</i>	-367.58	
<i>For Class 54 Rating, Add</i>	250.62	
<i>For Class 55 Rating, Add</i>	557.04	
40 05 19 00-0895 EA 20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,439.23	651.57
<i>For Class 52 Rating, Deduct</i>	-379.72	
<i>For Class 54 Rating, Add</i>	258.90	
<i>For Class 55 Rating, Add</i>	575.45	
40 05 19 00-0896 EA 20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,553.29	653.99
<i>For Class 52 Rating, Deduct</i>	-391.86	
<i>For Class 54 Rating, Add</i>	267.18	
<i>For Class 55 Rating, Add</i>	593.85	
40 05 19 00-0897 EA 20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,667.37	656.42
<i>For Class 52 Rating, Deduct</i>	-404.01	
<i>For Class 54 Rating, Add</i>	275.46	
<i>For Class 55 Rating, Add</i>	612.26	
40 05 19 00-0898 EA 20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,781.44	658.83
<i>For Class 52 Rating, Deduct</i>	-416.15	
<i>For Class 54 Rating, Add</i>	283.74	
<i>For Class 55 Rating, Add</i>	630.66	
40 05 19 00-0899 EA 20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,895.51	661.26
<i>For Class 52 Rating, Deduct</i>	-428.30	
<i>For Class 54 Rating, Add</i>	292.02	
<i>For Class 55 Rating, Add</i>	649.06	
40 05 19 00-0900 EA 20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,009.58	663.68
<i>For Class 52 Rating, Deduct</i>	-440.44	
<i>For Class 54 Rating, Add</i>	300.30	
<i>For Class 55 Rating, Add</i>	667.47	
40 05 19 00-0901 EA 20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,123.65	666.10
<i>For Class 52 Rating, Deduct</i>	-452.58	
<i>For Class 54 Rating, Add</i>	308.58	
<i>For Class 55 Rating, Add</i>	685.87	
40 05 19 00-0902 EA 20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,237.72	668.53
<i>For Class 52 Rating, Deduct</i>	-464.73	
<i>For Class 54 Rating, Add</i>	316.86	
<i>For Class 55 Rating, Add</i>	704.27	
40 05 19 00-0903 EA 20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,351.79	670.95
<i>For Class 52 Rating, Deduct</i>	-476.87	
<i>For Class 54 Rating, Add</i>	325.14	
<i>For Class 55 Rating, Add</i>	722.68	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0904	EA		20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,465.86	673.38
			<i>For Class 52 Rating, Deduct</i>	-489.02	
			<i>For Class 54 Rating, Add</i>	333.42	
			<i>For Class 55 Rating, Add</i>	741.08	
40 05 19 00-0905	EA		20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,579.93	675.79
			<i>For Class 52 Rating, Deduct</i>	-501.16	
			<i>For Class 54 Rating, Add</i>	341.70	
			<i>For Class 55 Rating, Add</i>	759.49	
40 05 19 00-0906	EA		20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,694.00	678.22
			<i>For Class 52 Rating, Deduct</i>	-513.30	
			<i>For Class 54 Rating, Add</i>	349.98	
			<i>For Class 55 Rating, Add</i>	777.89	
40 05 19 00-0907	EA		20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,808.07	680.64
			<i>For Class 52 Rating, Deduct</i>	-525.45	
			<i>For Class 54 Rating, Add</i>	358.26	
			<i>For Class 55 Rating, Add</i>	796.29	
40 05 19 00-0908	EA		20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,922.14	683.06
			<i>For Class 52 Rating, Deduct</i>	-537.59	
			<i>For Class 54 Rating, Add</i>	366.54	
			<i>For Class 55 Rating, Add</i>	814.70	
40 05 19 00-0909	EA		20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,036.20	685.48
			<i>For Class 52 Rating, Deduct</i>	-549.74	
			<i>For Class 54 Rating, Add</i>	374.82	
			<i>For Class 55 Rating, Add</i>	833.10	
40 05 19 00-0910	EA		20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,150.28	687.91
			<i>For Class 52 Rating, Deduct</i>	-561.88	
			<i>For Class 54 Rating, Add</i>	383.10	
			<i>For Class 55 Rating, Add</i>	851.50	
40 05 19 00-0911			24" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0912	EA		24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,364.44	707.28
			<i>For Class 52 Rating, Deduct</i>	-142.21	
			<i>For Class 54 Rating, Add</i>	96.96	
			<i>For Class 55 Rating, Add</i>	215.51	
40 05 19 00-0913	EA		24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,504.91	709.70
			<i>For Class 52 Rating, Deduct</i>	-157.26	
			<i>For Class 54 Rating, Add</i>	107.22	
			<i>For Class 55 Rating, Add</i>	238.31	
40 05 19 00-0914	EA		24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,645.38	712.13
			<i>For Class 52 Rating, Deduct</i>	-172.30	
			<i>For Class 54 Rating, Add</i>	117.48	
			<i>For Class 55 Rating, Add</i>	261.12	
40 05 19 00-0915	EA		24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,785.85	714.55
			<i>For Class 52 Rating, Deduct</i>	-187.35	
			<i>For Class 54 Rating, Add</i>	127.74	
			<i>For Class 55 Rating, Add</i>	283.92	
40 05 19 00-0916	EA		24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,926.31	716.97
			<i>For Class 52 Rating, Deduct</i>	-202.40	
			<i>For Class 54 Rating, Add</i>	138.00	
			<i>For Class 55 Rating, Add</i>	306.73	
40 05 19 00-0917	EA		24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,066.79	719.40
			<i>For Class 52 Rating, Deduct</i>	-217.45	
			<i>For Class 54 Rating, Add</i>	148.26	
			<i>For Class 55 Rating, Add</i>	329.53	
40 05 19 00-0918	EA		24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,207.26	721.81
			<i>For Class 52 Rating, Deduct</i>	-232.50	
			<i>For Class 54 Rating, Add</i>	158.52	
			<i>For Class 55 Rating, Add</i>	352.34	
40 05 19 00-0919	EA		24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,347.73	724.24
			<i>For Class 52 Rating, Deduct</i>	-247.54	
			<i>For Class 54 Rating, Add</i>	168.78	
			<i>For Class 55 Rating, Add</i>	375.14	
40 05 19 00-0920	EA		24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,488.20	726.66
			<i>For Class 52 Rating, Deduct</i>	-262.59	
			<i>For Class 54 Rating, Add</i>	179.04	
			<i>For Class 55 Rating, Add</i>	397.95	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0921 EA 24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,628.67	729.08
<i>For Class 52 Rating, Deduct</i>	-277.64	
<i>For Class 54 Rating, Add</i>	189.30	
<i>For Class 55 Rating, Add</i>	420.75	
40 05 19 00-0922 EA 24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,769.14	731.50
<i>For Class 52 Rating, Deduct</i>	-292.69	
<i>For Class 54 Rating, Add</i>	199.56	
<i>For Class 55 Rating, Add</i>	443.56	
40 05 19 00-0923 EA 24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,909.61	733.93
<i>For Class 52 Rating, Deduct</i>	-307.74	
<i>For Class 54 Rating, Add</i>	209.82	
<i>For Class 55 Rating, Add</i>	466.36	
40 05 19 00-0924 EA 24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,050.08	736.35
<i>For Class 52 Rating, Deduct</i>	-322.78	
<i>For Class 54 Rating, Add</i>	220.08	
<i>For Class 55 Rating, Add</i>	489.16	
40 05 19 00-0925 EA 24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,190.55	738.77
<i>For Class 52 Rating, Deduct</i>	-337.83	
<i>For Class 54 Rating, Add</i>	230.34	
<i>For Class 55 Rating, Add</i>	511.97	
40 05 19 00-0926 EA 24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,331.02	741.19
<i>For Class 52 Rating, Deduct</i>	-352.88	
<i>For Class 54 Rating, Add</i>	240.60	
<i>For Class 55 Rating, Add</i>	534.77	
40 05 19 00-0927 EA 24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,471.49	743.62
<i>For Class 52 Rating, Deduct</i>	-367.93	
<i>For Class 54 Rating, Add</i>	250.86	
<i>For Class 55 Rating, Add</i>	557.58	
40 05 19 00-0928 EA 24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,611.96	746.03
<i>For Class 52 Rating, Deduct</i>	-382.98	
<i>For Class 54 Rating, Add</i>	261.12	
<i>For Class 55 Rating, Add</i>	580.38	
40 05 19 00-0929 EA 24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,752.42	748.46
<i>For Class 52 Rating, Deduct</i>	-398.02	
<i>For Class 54 Rating, Add</i>	271.38	
<i>For Class 55 Rating, Add</i>	603.19	
40 05 19 00-0930 EA 24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,892.90	750.88
<i>For Class 52 Rating, Deduct</i>	-413.07	
<i>For Class 54 Rating, Add</i>	281.64	
<i>For Class 55 Rating, Add</i>	625.99	
40 05 19 00-0931 EA 24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,033.37	753.30
<i>For Class 52 Rating, Deduct</i>	-428.12	
<i>For Class 54 Rating, Add</i>	291.90	
<i>For Class 55 Rating, Add</i>	648.80	
40 05 19 00-0932 EA 24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,173.84	755.72
<i>For Class 52 Rating, Deduct</i>	-443.17	
<i>For Class 54 Rating, Add</i>	302.16	
<i>For Class 55 Rating, Add</i>	671.60	
40 05 19 00-0933 EA 24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,314.31	758.15
<i>For Class 52 Rating, Deduct</i>	-458.22	
<i>For Class 54 Rating, Add</i>	312.42	
<i>For Class 55 Rating, Add</i>	694.41	
40 05 19 00-0934 EA 24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,454.78	760.57
<i>For Class 52 Rating, Deduct</i>	-473.26	
<i>For Class 54 Rating, Add</i>	322.68	
<i>For Class 55 Rating, Add</i>	717.21	
40 05 19 00-0935 EA 24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,595.25	762.99
<i>For Class 52 Rating, Deduct</i>	-488.31	
<i>For Class 54 Rating, Add</i>	332.94	
<i>For Class 55 Rating, Add</i>	740.01	
40 05 19 00-0936 EA 24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,735.72	765.42
<i>For Class 52 Rating, Deduct</i>	-503.36	
<i>For Class 54 Rating, Add</i>	343.20	
<i>For Class 55 Rating, Add</i>	762.82	
40 05 19 00-0937 EA 24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,876.19	767.84
<i>For Class 52 Rating, Deduct</i>	-518.41	
<i>For Class 54 Rating, Add</i>	353.46	
<i>For Class 55 Rating, Add</i>	785.62	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0938	EA		24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,016.66	770.26
			For Class 52 Rating, Deduct	-533.46	
			For Class 54 Rating, Add	363.72	
			For Class 55 Rating, Add	808.43	
40 05 19 00-0939	EA		24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,157.13	772.68
			For Class 52 Rating, Deduct	-548.50	
			For Class 54 Rating, Add	373.98	
			For Class 55 Rating, Add	831.23	
40 05 19 00-0940	EA		24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,297.60	775.11
			For Class 52 Rating, Deduct	-563.55	
			For Class 54 Rating, Add	384.24	
			For Class 55 Rating, Add	854.04	
40 05 19 00-0941	EA		24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,500.46	818.70
			For Class 52 Rating, Deduct	-578.60	
			For Class 54 Rating, Add	394.50	
			For Class 55 Rating, Add	876.84	
40 05 19 00-0942	EA		24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,640.93	821.13
			For Class 52 Rating, Deduct	-593.65	
			For Class 54 Rating, Add	404.76	
			For Class 55 Rating, Add	899.65	
40 05 19 00-0943	EA		24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,781.40	823.54
			For Class 52 Rating, Deduct	-608.70	
			For Class 54 Rating, Add	415.02	
			For Class 55 Rating, Add	922.45	
40 05 19 00-0944	EA		24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,921.87	825.97
			For Class 52 Rating, Deduct	-623.74	
			For Class 54 Rating, Add	425.28	
			For Class 55 Rating, Add	945.26	
40 05 19 00-0945	EA		24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,062.34	828.39
			For Class 52 Rating, Deduct	-638.79	
			For Class 54 Rating, Add	435.54	
			For Class 55 Rating, Add	968.06	
40 05 19 00-0946	EA		24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,202.81	830.82
			For Class 52 Rating, Deduct	-653.84	
			For Class 54 Rating, Add	445.80	
			For Class 55 Rating, Add	990.86	
40 05 19 00-0947	EA		24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,343.28	833.23
			For Class 52 Rating, Deduct	-668.89	
			For Class 54 Rating, Add	456.06	
			For Class 55 Rating, Add	1,013.67	
40 05 19 00-0948	EA		24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,483.75	835.66
			For Class 52 Rating, Deduct	-683.94	
			For Class 54 Rating, Add	466.32	
			For Class 55 Rating, Add	1,036.47	
40 05 19 00-0949	EA		24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,624.22	838.08
			For Class 52 Rating, Deduct	-698.98	
			For Class 54 Rating, Add	476.58	
			For Class 55 Rating, Add	1,059.28	
40 05 19 00-0950			30" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0954)</small>		
40 05 19 00-0951	EA		30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,576.04	997.94
			For Class 52 Rating, Deduct	-227.04	
			For Class 54 Rating, Add	154.80	
			For Class 55 Rating, Add	344.07	
40 05 19 00-0952	EA		30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,777.30	1,000.37
			For Class 52 Rating, Deduct	-248.78	
			For Class 54 Rating, Add	169.62	
			For Class 55 Rating, Add	377.01	
40 05 19 00-0953	EA		30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,978.58	1,002.79
			For Class 52 Rating, Deduct	-270.51	
			For Class 54 Rating, Add	184.44	
			For Class 55 Rating, Add	409.95	
40 05 19 00-0954	EA		30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,179.85	1,005.21
			For Class 52 Rating, Deduct	-292.25	
			For Class 54 Rating, Add	199.26	
			For Class 55 Rating, Add	442.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0955 EA 30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,381.12	1,007.63
<i>For Class 52 Rating, Deduct</i>	-313.98	
<i>For Class 54 Rating, Add</i>	214.08	
<i>For Class 55 Rating, Add</i>	475.83	
40 05 19 00-0956 EA 30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,582.38	1,010.06
<i>For Class 52 Rating, Deduct</i>	-335.72	
<i>For Class 54 Rating, Add</i>	228.90	
<i>For Class 55 Rating, Add</i>	508.77	
40 05 19 00-0957 EA 30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,783.66	1,012.48
<i>For Class 52 Rating, Deduct</i>	-357.46	
<i>For Class 54 Rating, Add</i>	243.72	
<i>For Class 55 Rating, Add</i>	541.71	
40 05 19 00-0958 EA 30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,984.93	1,014.90
<i>For Class 52 Rating, Deduct</i>	-379.19	
<i>For Class 54 Rating, Add</i>	258.54	
<i>For Class 55 Rating, Add</i>	574.65	
40 05 19 00-0959 EA 30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,186.20	1,017.32
<i>For Class 52 Rating, Deduct</i>	-400.93	
<i>For Class 54 Rating, Add</i>	273.36	
<i>For Class 55 Rating, Add</i>	607.59	
40 05 19 00-0960 EA 30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,387.47	1,019.75
<i>For Class 52 Rating, Deduct</i>	-422.66	
<i>For Class 54 Rating, Add</i>	288.18	
<i>For Class 55 Rating, Add</i>	640.53	
40 05 19 00-0961 EA 30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,588.74	1,022.16
<i>For Class 52 Rating, Deduct</i>	-444.40	
<i>For Class 54 Rating, Add</i>	303.00	
<i>For Class 55 Rating, Add</i>	673.47	
40 05 19 00-0962 EA 30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,790.01	1,024.59
<i>For Class 52 Rating, Deduct</i>	-466.14	
<i>For Class 54 Rating, Add</i>	317.82	
<i>For Class 55 Rating, Add</i>	706.41	
40 05 19 00-0963 EA 30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,991.28	1,027.02
<i>For Class 52 Rating, Deduct</i>	-487.87	
<i>For Class 54 Rating, Add</i>	332.64	
<i>For Class 55 Rating, Add</i>	739.35	
40 05 19 00-0964 EA 30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,192.55	1,029.43
<i>For Class 52 Rating, Deduct</i>	-509.61	
<i>For Class 54 Rating, Add</i>	347.46	
<i>For Class 55 Rating, Add</i>	772.29	
40 05 19 00-0965 EA 30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,393.81	1,031.86
<i>For Class 52 Rating, Deduct</i>	-531.34	
<i>For Class 54 Rating, Add</i>	362.28	
<i>For Class 55 Rating, Add</i>	805.23	
40 05 19 00-0966 EA 30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,595.09	1,034.28
<i>For Class 52 Rating, Deduct</i>	-553.08	
<i>For Class 54 Rating, Add</i>	377.10	
<i>For Class 55 Rating, Add</i>	838.17	
40 05 19 00-0967 EA 30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,796.36	1,036.70
<i>For Class 52 Rating, Deduct</i>	-574.82	
<i>For Class 54 Rating, Add</i>	391.92	
<i>For Class 55 Rating, Add</i>	871.11	
40 05 19 00-0968 EA 30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,997.63	1,039.12
<i>For Class 52 Rating, Deduct</i>	-596.55	
<i>For Class 54 Rating, Add</i>	406.74	
<i>For Class 55 Rating, Add</i>	904.05	
40 05 19 00-0969 EA 30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,198.89	1,041.55
<i>For Class 52 Rating, Deduct</i>	-618.29	
<i>For Class 54 Rating, Add</i>	421.56	
<i>For Class 55 Rating, Add</i>	936.99	
40 05 19 00-0970 EA 30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,400.17	1,043.96
<i>For Class 52 Rating, Deduct</i>	-640.02	
<i>For Class 54 Rating, Add</i>	436.38	
<i>For Class 55 Rating, Add</i>	969.93	
40 05 19 00-0971 EA 30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,601.44	1,046.39
<i>For Class 52 Rating, Deduct</i>	-661.76	
<i>For Class 54 Rating, Add</i>	451.20	
<i>For Class 55 Rating, Add</i>	1,002.87	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0972	EA		30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,802.71	1,048.81
			For Class 52 Rating, Deduct	-683.50	
			For Class 54 Rating, Add	466.02	
			For Class 55 Rating, Add	1,035.81	
40 05 19 00-0973	EA		30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,003.98	1,051.24
			For Class 52 Rating, Deduct	-705.23	
			For Class 54 Rating, Add	480.84	
			For Class 55 Rating, Add	1,068.75	
40 05 19 00-0974	EA		30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,205.25	1,053.65
			For Class 52 Rating, Deduct	-726.97	
			For Class 54 Rating, Add	495.66	
			For Class 55 Rating, Add	1,101.69	
40 05 19 00-0975	EA		30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,406.52	1,056.08
			For Class 52 Rating, Deduct	-748.70	
			For Class 54 Rating, Add	510.48	
			For Class 55 Rating, Add	1,134.63	
40 05 19 00-0976	EA		30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,607.79	1,058.50
			For Class 52 Rating, Deduct	-770.44	
			For Class 54 Rating, Add	525.30	
			For Class 55 Rating, Add	1,167.57	
40 05 19 00-0977	EA		30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,809.06	1,060.92
			For Class 52 Rating, Deduct	-792.18	
			For Class 54 Rating, Add	540.12	
			For Class 55 Rating, Add	1,200.51	
40 05 19 00-0978	EA		30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,010.32	1,063.34
			For Class 52 Rating, Deduct	-813.91	
			For Class 54 Rating, Add	554.94	
			For Class 55 Rating, Add	1,233.45	
40 05 19 00-0979	EA		30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,211.60	1,065.77
			For Class 52 Rating, Deduct	-835.65	
			For Class 54 Rating, Add	569.76	
			For Class 55 Rating, Add	1,266.39	
40 05 19 00-0980	EA		30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,412.87	1,068.19
			For Class 52 Rating, Deduct	-857.38	
			For Class 54 Rating, Add	584.58	
			For Class 55 Rating, Add	1,299.33	
40 05 19 00-0981	EA		30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,614.14	1,070.61
			For Class 52 Rating, Deduct	-879.12	
			For Class 54 Rating, Add	599.40	
			For Class 55 Rating, Add	1,332.27	
40 05 19 00-0982	EA		30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,815.40	1,073.04
			For Class 52 Rating, Deduct	-900.86	
			For Class 54 Rating, Add	614.22	
			For Class 55 Rating, Add	1,365.21	
40 05 19 00-0983	EA		30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,016.68	1,075.46
			For Class 52 Rating, Deduct	-922.59	
			For Class 54 Rating, Add	629.04	
			For Class 55 Rating, Add	1,398.15	
40 05 19 00-0984	EA		30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,217.95	1,077.88
			For Class 52 Rating, Deduct	-944.33	
			For Class 54 Rating, Add	643.86	
			For Class 55 Rating, Add	1,431.09	
40 05 19 00-0985	EA		30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,419.22	1,080.30
			For Class 52 Rating, Deduct	-966.06	
			For Class 54 Rating, Add	658.68	
			For Class 55 Rating, Add	1,464.03	
40 05 19 00-0986	EA		30" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,620.49	1,082.73
			For Class 52 Rating, Deduct	-987.80	
			For Class 54 Rating, Add	673.50	
			For Class 55 Rating, Add	1,496.97	
40 05 19 00-0987	EA		30" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,821.76	1,085.14
			For Class 52 Rating, Deduct	-1,009.54	
			For Class 54 Rating, Add	688.32	
			For Class 55 Rating, Add	1,529.91	
40 05 19 00-0988	EA		30" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,023.03	1,087.57
			For Class 52 Rating, Deduct	-1,031.27	
			For Class 54 Rating, Add	703.14	
			For Class 55 Rating, Add	1,562.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0989 36" Flanged End x Grooved End (F&G), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0990 EA 36" Flanged x Grooved (F&G), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,825.34	1,264.39
For Class 52 Rating, Deduct	-320.06	
For Class 54 Rating, Add	218.22	
For Class 55 Rating, Add	485.03	
40 05 19 00-0991 EA 36" Flanged x Grooved (F&G), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,097.81	1,266.81
For Class 52 Rating, Deduct	-349.62	
For Class 54 Rating, Add	238.38	
For Class 55 Rating, Add	529.84	
40 05 19 00-0992 EA 36" Flanged x Grooved (F&G), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,370.28	1,269.23
For Class 52 Rating, Deduct	-379.19	
For Class 54 Rating, Add	258.54	
For Class 55 Rating, Add	574.65	
40 05 19 00-0993 EA 36" Flanged x Grooved (F&G), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,642.74	1,271.66
For Class 52 Rating, Deduct	-408.76	
For Class 54 Rating, Add	278.70	
For Class 55 Rating, Add	619.46	
40 05 19 00-0994 EA 36" Flanged x Grooved (F&G), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,915.22	1,274.07
For Class 52 Rating, Deduct	-438.33	
For Class 54 Rating, Add	298.86	
For Class 55 Rating, Add	664.27	
40 05 19 00-0995 EA 36" Flanged x Grooved (F&G), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,187.69	1,276.50
For Class 52 Rating, Deduct	-467.90	
For Class 54 Rating, Add	319.02	
For Class 55 Rating, Add	709.08	
40 05 19 00-0996 EA 36" Flanged x Grooved (F&G), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,460.16	1,278.92
For Class 52 Rating, Deduct	-497.46	
For Class 54 Rating, Add	339.18	
For Class 55 Rating, Add	753.88	
40 05 19 00-0997 EA 36" Flanged x Grooved (F&G), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,732.63	1,281.34
For Class 52 Rating, Deduct	-527.03	
For Class 54 Rating, Add	359.34	
For Class 55 Rating, Add	798.69	
40 05 19 00-0998 EA 36" Flanged x Grooved (F&G), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,005.10	1,283.76
For Class 52 Rating, Deduct	-556.60	
For Class 54 Rating, Add	379.50	
For Class 55 Rating, Add	843.50	
40 05 19 00-0999 EA 36" Flanged x Grooved (F&G), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,277.57	1,286.19
For Class 52 Rating, Deduct	-586.17	
For Class 54 Rating, Add	399.66	
For Class 55 Rating, Add	888.31	
40 05 19 00-1000 EA 36" Flanged x Grooved (F&G), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,550.04	1,288.60
For Class 52 Rating, Deduct	-615.74	
For Class 54 Rating, Add	419.82	
For Class 55 Rating, Add	933.12	
40 05 19 00-1001 EA 36" Flanged x Grooved (F&G), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,822.51	1,291.03
For Class 52 Rating, Deduct	-645.30	
For Class 54 Rating, Add	439.98	
For Class 55 Rating, Add	977.93	
40 05 19 00-1002 EA 36" Flanged x Grooved (F&G), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,094.97	1,293.46
For Class 52 Rating, Deduct	-674.87	
For Class 54 Rating, Add	460.14	
For Class 55 Rating, Add	1,022.74	
40 05 19 00-1003 EA 36" Flanged x Grooved (F&G), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,367.45	1,295.88
For Class 52 Rating, Deduct	-704.44	
For Class 54 Rating, Add	480.30	
For Class 55 Rating, Add	1,067.55	
40 05 19 00-1004 EA 36" Flanged x Grooved (F&G), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,639.92	1,298.30
For Class 52 Rating, Deduct	-734.01	
For Class 54 Rating, Add	500.46	
For Class 55 Rating, Add	1,112.36	
40 05 19 00-1005 EA 36" Flanged x Grooved (F&G), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,912.39	1,300.72
For Class 52 Rating, Deduct	-763.58	
For Class 54 Rating, Add	520.62	
For Class 55 Rating, Add	1,157.16	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1006	EA	36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	9,184.85 -793.14 540.78 1,201.97	1,303.15
40 05 19 00-1007	EA	36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	9,457.33 -822.71 560.94 1,246.78	1,305.56
40 05 19 00-1008	EA	36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	9,729.80 -852.28 581.10 1,291.59	1,307.99
40 05 19 00-1009	EA	36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	10,002.27 -881.85 601.26 1,336.40	1,310.41
40 05 19 00-1010	EA	36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	10,274.74 -911.42 621.42 1,381.21	1,312.83
40 05 19 00-1011	EA	36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	10,547.21 -940.98 641.58 1,426.02	1,315.25
40 05 19 00-1012	EA	36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	10,819.68 -970.55 661.74 1,470.83	1,317.68
40 05 19 00-1013	EA	36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	11,092.15 -1,000.12 681.90 1,515.64	1,320.09
40 05 19 00-1014	EA	36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	11,364.62 -1,029.69 702.06 1,560.45	1,322.52
40 05 19 00-1015	EA	36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	11,637.08 -1,059.26 722.22 1,605.25	1,324.94
40 05 19 00-1016	EA	36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	11,909.56 -1,088.82 742.38 1,650.06	1,327.37
40 05 19 00-1017	EA	36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	12,182.03 -1,118.39 762.54 1,694.87	1,329.78
40 05 19 00-1018	EA	36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	12,454.50 -1,147.96 782.70 1,739.68	1,332.21
40 05 19 00-1019	EA	36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	12,726.96 -1,177.53 802.86 1,784.49	1,334.63
40 05 19 00-1020	EA	36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	12,999.44 -1,207.10 823.02 1,829.30	1,337.05
40 05 19 00-1021	EA	36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	13,271.91 -1,236.66 843.18 1,874.11	1,339.48
40 05 19 00-1022	EA	36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	13,544.38 -1,266.23 863.34 1,918.92	1,341.90



Process Interconnections	40
Common Work Results For Process Interconnections	40 05
Ductile Iron Process Pipe 40 05 19	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1023 EA 36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,816.85	1,344.32
For Class 52 Rating, Deduct	-1,295.80	
For Class 54 Rating, Add	883.50	
For Class 55 Rating, Add	1,963.73	
40 05 19 00-1024 EA 36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,089.32	1,346.74
For Class 52 Rating, Deduct	-1,325.37	
For Class 54 Rating, Add	903.66	
For Class 55 Rating, Add	2,008.53	
40 05 19 00-1025 EA 36" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,361.79	1,349.17
For Class 52 Rating, Deduct	-1,354.94	
For Class 54 Rating, Add	923.82	
For Class 55 Rating, Add	2,053.34	
40 05 19 00-1026 EA 36" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,634.26	1,351.58
For Class 52 Rating, Deduct	-1,384.50	
For Class 54 Rating, Add	943.98	
For Class 55 Rating, Add	2,098.15	
40 05 19 00-1027 EA 36" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,906.73	1,354.01
For Class 52 Rating, Deduct	-1,414.07	
For Class 54 Rating, Add	964.14	
For Class 55 Rating, Add	2,142.96	
40 05 19 00-1028 Flanged End x Plain End (FxPE), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0001)</small>		
40 05 19 00-1029 4" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1030 EA 4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	295.48	118.46
For Class 52 Rating, Deduct	-12.76	
For Class 54 Rating, Add	8.70	
For Class 55 Rating, Add	19.34	
40 05 19 00-1031 EA 4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	319.42	120.54
For Class 52 Rating, Deduct	-15.05	
For Class 54 Rating, Add	10.26	
For Class 55 Rating, Add	22.80	
40 05 19 00-1032 EA 4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	343.35	122.60
For Class 52 Rating, Deduct	-17.34	
For Class 54 Rating, Add	11.82	
For Class 55 Rating, Add	26.27	
40 05 19 00-1033 EA 4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	367.30	124.67
For Class 52 Rating, Deduct	-19.62	
For Class 54 Rating, Add	13.38	
For Class 55 Rating, Add	29.74	
40 05 19 00-1034 EA 4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	391.23	126.74
For Class 52 Rating, Deduct	-21.91	
For Class 54 Rating, Add	14.94	
For Class 55 Rating, Add	33.21	
40 05 19 00-1035 EA 4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	415.17	128.82
For Class 52 Rating, Deduct	-24.20	
For Class 54 Rating, Add	16.50	
For Class 55 Rating, Add	36.67	
40 05 19 00-1036 EA 4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	439.11	130.89
For Class 52 Rating, Deduct	-26.49	
For Class 54 Rating, Add	18.06	
For Class 55 Rating, Add	40.14	
40 05 19 00-1037 EA 4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	463.05	132.96
For Class 52 Rating, Deduct	-28.78	
For Class 54 Rating, Add	19.62	
For Class 55 Rating, Add	43.61	
40 05 19 00-1038 EA 4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	486.98	135.03
For Class 52 Rating, Deduct	-31.06	
For Class 54 Rating, Add	21.18	
For Class 55 Rating, Add	47.08	
40 05 19 00-1039 EA 4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	510.92	137.10
For Class 52 Rating, Deduct	-33.35	
For Class 54 Rating, Add	22.74	
For Class 55 Rating, Add	50.54	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1040	EA		4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	534.86	139.16
			For Class 52 Rating, Deduct	-35.64	
			For Class 54 Rating, Add	24.30	
			For Class 55 Rating, Add	54.01	
40 05 19 00-1041	EA		4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	558.79	141.24
			For Class 52 Rating, Deduct	-37.93	
			For Class 54 Rating, Add	25.86	
			For Class 55 Rating, Add	57.48	
40 05 19 00-1042	EA		4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	582.74	143.31
			For Class 52 Rating, Deduct	-40.22	
			For Class 54 Rating, Add	27.42	
			For Class 55 Rating, Add	60.95	
40 05 19 00-1043	EA		4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	606.67	145.39
			For Class 52 Rating, Deduct	-42.50	
			For Class 54 Rating, Add	28.98	
			For Class 55 Rating, Add	64.41	
40 05 19 00-1044	EA		4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	630.61	147.45
			For Class 52 Rating, Deduct	-44.79	
			For Class 54 Rating, Add	30.54	
			For Class 55 Rating, Add	67.88	
40 05 19 00-1045	EA		4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	654.55	149.53
			For Class 52 Rating, Deduct	-47.08	
			For Class 54 Rating, Add	32.10	
			For Class 55 Rating, Add	71.35	
40 05 19 00-1046	EA		4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	678.49	151.59
			For Class 52 Rating, Deduct	-49.37	
			For Class 54 Rating, Add	33.66	
			For Class 55 Rating, Add	74.81	
40 05 19 00-1047	EA		4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	702.42	153.66
			For Class 52 Rating, Deduct	-51.66	
			For Class 54 Rating, Add	35.22	
			For Class 55 Rating, Add	78.28	
40 05 19 00-1048	EA		4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	726.36	155.74
			For Class 52 Rating, Deduct	-53.94	
			For Class 54 Rating, Add	36.78	
			For Class 55 Rating, Add	81.75	
40 05 19 00-1049	EA		4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	750.30	157.81
			For Class 52 Rating, Deduct	-56.23	
			For Class 54 Rating, Add	38.34	
			For Class 55 Rating, Add	85.22	
40 05 19 00-1050	EA		4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	774.23	159.89
			For Class 52 Rating, Deduct	-58.52	
			For Class 54 Rating, Add	39.90	
			For Class 55 Rating, Add	88.68	
40 05 19 00-1051	EA		4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	798.18	161.95
			For Class 52 Rating, Deduct	-60.81	
			For Class 54 Rating, Add	41.46	
			For Class 55 Rating, Add	92.15	
40 05 19 00-1052	EA		4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	822.11	164.02
			For Class 52 Rating, Deduct	-63.10	
			For Class 54 Rating, Add	43.02	
			For Class 55 Rating, Add	95.62	
40 05 19 00-1053	EA		4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	846.05	166.09
			For Class 52 Rating, Deduct	-65.38	
			For Class 54 Rating, Add	44.58	
			For Class 55 Rating, Add	99.09	
40 05 19 00-1054	EA		4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	869.99	168.16
			For Class 52 Rating, Deduct	-67.67	
			For Class 54 Rating, Add	46.14	
			For Class 55 Rating, Add	102.55	
40 05 19 00-1055	EA		4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	893.93	170.23
			For Class 52 Rating, Deduct	-69.96	
			For Class 54 Rating, Add	47.70	
			For Class 55 Rating, Add	106.02	
40 05 19 00-1056	EA		4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	917.87	172.31
			For Class 52 Rating, Deduct	-72.25	
			For Class 54 Rating, Add	49.26	
			For Class 55 Rating, Add	109.49	



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-1057	EA	4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	941.80	174.38
		For Class 52 Rating, Deduct	-74.54	
		For Class 54 Rating, Add	50.82	
		For Class 55 Rating, Add	112.96	
40 05 19 00-1058	EA	4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	965.74	176.45
		For Class 52 Rating, Deduct	-76.82	
		For Class 54 Rating, Add	52.38	
		For Class 55 Rating, Add	116.42	
40 05 19 00-1059	EA	4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	989.68	178.51
		For Class 52 Rating, Deduct	-79.11	
		For Class 54 Rating, Add	53.94	
		For Class 55 Rating, Add	119.89	
40 05 19 00-1060	EA	4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	1,013.62	180.59
		For Class 52 Rating, Deduct	-81.40	
		For Class 54 Rating, Add	55.50	
		For Class 55 Rating, Add	123.36	
40 05 19 00-1061	EA	4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	1,037.55	182.66
		For Class 52 Rating, Deduct	-83.69	
		For Class 54 Rating, Add	57.06	
		For Class 55 Rating, Add	126.83	
40 05 19 00-1062	EA	4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	1,061.50	184.73
		For Class 52 Rating, Deduct	-85.98	
		For Class 54 Rating, Add	58.62	
		For Class 55 Rating, Add	130.29	
40 05 19 00-1063	EA	4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	1,085.43	186.80
		For Class 52 Rating, Deduct	-88.26	
		For Class 54 Rating, Add	60.18	
		For Class 55 Rating, Add	133.76	
40 05 19 00-1064	EA	4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	1,109.37	188.88
		For Class 52 Rating, Deduct	-90.55	
		For Class 54 Rating, Add	61.74	
		For Class 55 Rating, Add	137.23	
40 05 19 00-1065	EA	4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	1,133.31	190.95
		For Class 52 Rating, Deduct	-92.84	
		For Class 54 Rating, Add	63.30	
		For Class 55 Rating, Add	140.69	
40 05 19 00-1066	EA	4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	1,157.24	193.01
		For Class 52 Rating, Deduct	-95.13	
		For Class 54 Rating, Add	64.86	
		For Class 55 Rating, Add	144.16	
40 05 19 00-1067	EA	4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	1,181.18	195.08
		For Class 52 Rating, Deduct	-97.42	
		For Class 54 Rating, Add	66.42	
		For Class 55 Rating, Add	147.63	
40 05 19 00-1068	EA	4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	1,205.12	197.16
		For Class 52 Rating, Deduct	-99.70	
		For Class 54 Rating, Add	67.98	
		For Class 55 Rating, Add	151.10	
40 05 19 00-1069	6" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)			
40 05 19 00-1070	EA	6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	370.73	149.11
		For Class 52 Rating, Deduct	-15.93	
		For Class 54 Rating, Add	10.86	
		For Class 55 Rating, Add	24.14	
40 05 19 00-1071	EA	6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	399.46	151.18
		For Class 52 Rating, Deduct	-18.74	
		For Class 54 Rating, Add	12.78	
		For Class 55 Rating, Add	28.41	
40 05 19 00-1072	EA	6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	428.20	153.25
		For Class 52 Rating, Deduct	-21.56	
		For Class 54 Rating, Add	14.70	
		For Class 55 Rating, Add	32.67	
40 05 19 00-1073	EA	6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	456.94	155.32
		For Class 52 Rating, Deduct	-24.38	
		For Class 54 Rating, Add	16.62	
		For Class 55 Rating, Add	36.94	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-1074	EA	6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	485.68 -27.19 18.54 41.21	157.40
40 05 19 00-1075	EA	6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	514.41 -30.01 20.46 45.48	159.47
40 05 19 00-1076	EA	6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	543.16 -32.82 22.38 49.74	161.53
40 05 19 00-1077	EA	6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	571.89 -35.64 24.30 54.01	163.61
40 05 19 00-1078	EA	6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	600.62 -38.46 26.22 58.28	165.68
40 05 19 00-1079	EA	6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	629.37 -41.27 28.14 62.55	167.75
40 05 19 00-1080	EA	6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	658.10 -44.09 30.06 66.81	169.82
40 05 19 00-1081	EA	6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	686.84 -46.90 31.98 71.08	171.90
40 05 19 00-1082	EA	6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	715.58 -49.72 33.90 75.35	173.96
40 05 19 00-1083	EA	6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	744.32 -52.54 35.82 79.62	176.03
40 05 19 00-1084	EA	6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	773.05 -55.35 37.74 83.88	178.10
40 05 19 00-1085	EA	6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	801.80 -58.17 39.66 88.15	180.18
40 05 19 00-1086	EA	6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	830.53 -60.98 41.58 92.42	182.24
40 05 19 00-1087	EA	6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	859.26 -63.80 43.50 96.69	184.32
40 05 19 00-1088	EA	6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	888.01 -66.62 45.42 100.95	186.39
40 05 19 00-1089	EA	6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	916.74 -69.43 47.34 105.22	188.47
40 05 19 00-1090	EA	6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	945.48 -72.25 49.26 109.49	190.52



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-1091	EA	6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	974.22	192.60
		For Class 52 Rating, Deduct	-75.06	
		For Class 54 Rating, Add	51.18	
		For Class 55 Rating, Add	113.76	
40 05 19 00-1092	EA	6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,002.96	194.67
		For Class 52 Rating, Deduct	-77.88	
		For Class 54 Rating, Add	53.10	
		For Class 55 Rating, Add	118.02	
40 05 19 00-1093	EA	6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,031.70	196.74
		For Class 52 Rating, Deduct	-80.70	
		For Class 54 Rating, Add	55.02	
		For Class 55 Rating, Add	122.29	
40 05 19 00-1094	EA	6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,060.43	198.81
		For Class 52 Rating, Deduct	-83.51	
		For Class 54 Rating, Add	56.94	
		For Class 55 Rating, Add	126.56	
40 05 19 00-1095	EA	6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,089.17	200.89
		For Class 52 Rating, Deduct	-86.33	
		For Class 54 Rating, Add	58.86	
		For Class 55 Rating, Add	130.83	
40 05 19 00-1096	EA	6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,117.91	202.96
		For Class 52 Rating, Deduct	-89.14	
		For Class 54 Rating, Add	60.78	
		For Class 55 Rating, Add	135.09	
40 05 19 00-1097	EA	6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,146.65	205.02
		For Class 52 Rating, Deduct	-91.96	
		For Class 54 Rating, Add	62.70	
		For Class 55 Rating, Add	139.36	
40 05 19 00-1098	EA	6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,175.38	207.10
		For Class 52 Rating, Deduct	-94.78	
		For Class 54 Rating, Add	64.62	
		For Class 55 Rating, Add	143.63	
40 05 19 00-1099	EA	6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,204.13	209.17
		For Class 52 Rating, Deduct	-97.59	
		For Class 54 Rating, Add	66.54	
		For Class 55 Rating, Add	147.90	
40 05 19 00-1100	EA	6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,232.86	211.24
		For Class 52 Rating, Deduct	-100.41	
		For Class 54 Rating, Add	68.46	
		For Class 55 Rating, Add	152.16	
40 05 19 00-1101	EA	6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,261.60	213.31
		For Class 52 Rating, Deduct	-103.22	
		For Class 54 Rating, Add	70.38	
		For Class 55 Rating, Add	156.43	
40 05 19 00-1102	EA	6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,290.34	215.39
		For Class 52 Rating, Deduct	-106.04	
		For Class 54 Rating, Add	72.30	
		For Class 55 Rating, Add	160.70	
40 05 19 00-1103	EA	6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,319.07	217.46
		For Class 52 Rating, Deduct	-108.86	
		For Class 54 Rating, Add	74.22	
		For Class 55 Rating, Add	164.97	
40 05 19 00-1104	EA	6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,347.81	219.52
		For Class 52 Rating, Deduct	-111.67	
		For Class 54 Rating, Add	76.14	
		For Class 55 Rating, Add	169.23	
40 05 19 00-1105	EA	6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,376.55	221.59
		For Class 52 Rating, Deduct	-114.49	
		For Class 54 Rating, Add	78.06	
		For Class 55 Rating, Add	173.50	
40 05 19 00-1106	EA	6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,405.29	223.67
		For Class 52 Rating, Deduct	-117.30	
		For Class 54 Rating, Add	79.98	
		For Class 55 Rating, Add	177.77	
40 05 19 00-1107	EA	6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,434.02	225.73
		For Class 52 Rating, Deduct	-120.12	
		For Class 54 Rating, Add	81.90	
		For Class 55 Rating, Add	182.04	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1108	EA		6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,462.77	227.81
			<i>For Class 52 Rating, Deduct</i>	-122.94	
			<i>For Class 54 Rating, Add</i>	83.82	
			<i>For Class 55 Rating, Add</i>	186.30	
40 05 19 00-1109			8" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1110	EA		8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	499.08	190.52
			<i>For Class 52 Rating, Deduct</i>	-23.14	
			<i>For Class 54 Rating, Add</i>	15.78	
			<i>For Class 55 Rating, Add</i>	35.07	
40 05 19 00-1111	EA		8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	537.42	192.60
			<i>For Class 52 Rating, Deduct</i>	-27.02	
			<i>For Class 54 Rating, Add</i>	18.42	
			<i>For Class 55 Rating, Add</i>	40.94	
40 05 19 00-1112	EA		8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	575.76	194.67
			<i>For Class 52 Rating, Deduct</i>	-30.89	
			<i>For Class 54 Rating, Add</i>	21.06	
			<i>For Class 55 Rating, Add</i>	46.81	
40 05 19 00-1113	EA		8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	614.10	196.74
			<i>For Class 52 Rating, Deduct</i>	-34.76	
			<i>For Class 54 Rating, Add</i>	23.70	
			<i>For Class 55 Rating, Add</i>	52.68	
40 05 19 00-1114	EA		8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	652.43	198.81
			<i>For Class 52 Rating, Deduct</i>	-38.63	
			<i>For Class 54 Rating, Add</i>	26.34	
			<i>For Class 55 Rating, Add</i>	58.55	
40 05 19 00-1115	EA		8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	690.77	200.89
			<i>For Class 52 Rating, Deduct</i>	-42.50	
			<i>For Class 54 Rating, Add</i>	28.98	
			<i>For Class 55 Rating, Add</i>	64.41	
40 05 19 00-1116	EA		8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	729.11	202.96
			<i>For Class 52 Rating, Deduct</i>	-46.38	
			<i>For Class 54 Rating, Add</i>	31.62	
			<i>For Class 55 Rating, Add</i>	70.28	
40 05 19 00-1117	EA		8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	767.45	205.02
			<i>For Class 52 Rating, Deduct</i>	-50.25	
			<i>For Class 54 Rating, Add</i>	34.26	
			<i>For Class 55 Rating, Add</i>	76.15	
40 05 19 00-1118	EA		8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	805.78	207.10
			<i>For Class 52 Rating, Deduct</i>	-54.12	
			<i>For Class 54 Rating, Add</i>	36.90	
			<i>For Class 55 Rating, Add</i>	82.02	
40 05 19 00-1119	EA		8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	844.13	209.17
			<i>For Class 52 Rating, Deduct</i>	-57.99	
			<i>For Class 54 Rating, Add</i>	39.54	
			<i>For Class 55 Rating, Add</i>	87.88	
40 05 19 00-1120	EA		8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	882.46	211.24
			<i>For Class 52 Rating, Deduct</i>	-61.86	
			<i>For Class 54 Rating, Add</i>	42.18	
			<i>For Class 55 Rating, Add</i>	93.75	
40 05 19 00-1121	EA		8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	920.80	213.31
			<i>For Class 52 Rating, Deduct</i>	-65.74	
			<i>For Class 54 Rating, Add</i>	44.82	
			<i>For Class 55 Rating, Add</i>	99.62	
40 05 19 00-1122	EA		8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	959.14	215.39
			<i>For Class 52 Rating, Deduct</i>	-69.61	
			<i>For Class 54 Rating, Add</i>	47.46	
			<i>For Class 55 Rating, Add</i>	105.49	
40 05 19 00-1123	EA		8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	997.47	217.46
			<i>For Class 52 Rating, Deduct</i>	-73.48	
			<i>For Class 54 Rating, Add</i>	50.10	
			<i>For Class 55 Rating, Add</i>	111.36	
40 05 19 00-1124	EA		8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,035.81	219.52
			<i>For Class 52 Rating, Deduct</i>	-77.35	
			<i>For Class 54 Rating, Add</i>	52.74	
			<i>For Class 55 Rating, Add</i>	117.22	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1125 EA 8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,074.15	221.59
<i>For Class 52 Rating, Deduct</i>	-81.22	
<i>For Class 54 Rating, Add</i>	55.38	
<i>For Class 55 Rating, Add</i>	123.09	
40 05 19 00-1126 EA 8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,112.49	223.67
<i>For Class 52 Rating, Deduct</i>	-85.10	
<i>For Class 54 Rating, Add</i>	58.02	
<i>For Class 55 Rating, Add</i>	128.96	
40 05 19 00-1127 EA 8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,150.82	225.73
<i>For Class 52 Rating, Deduct</i>	-88.97	
<i>For Class 54 Rating, Add</i>	60.66	
<i>For Class 55 Rating, Add</i>	134.83	
40 05 19 00-1128 EA 8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,189.17	227.81
<i>For Class 52 Rating, Deduct</i>	-92.84	
<i>For Class 54 Rating, Add</i>	63.30	
<i>For Class 55 Rating, Add</i>	140.69	
40 05 19 00-1129 EA 8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,227.50	229.88
<i>For Class 52 Rating, Deduct</i>	-96.71	
<i>For Class 54 Rating, Add</i>	65.94	
<i>For Class 55 Rating, Add</i>	146.56	
40 05 19 00-1130 EA 8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,265.84	231.95
<i>For Class 52 Rating, Deduct</i>	-100.58	
<i>For Class 54 Rating, Add</i>	68.58	
<i>For Class 55 Rating, Add</i>	152.43	
40 05 19 00-1131 EA 8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,304.18	234.01
<i>For Class 52 Rating, Deduct</i>	-104.46	
<i>For Class 54 Rating, Add</i>	71.22	
<i>For Class 55 Rating, Add</i>	158.30	
40 05 19 00-1132 EA 8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,342.51	236.09
<i>For Class 52 Rating, Deduct</i>	-108.33	
<i>For Class 54 Rating, Add</i>	73.86	
<i>For Class 55 Rating, Add</i>	164.17	
40 05 19 00-1133 EA 8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,380.85	238.16
<i>For Class 52 Rating, Deduct</i>	-112.20	
<i>For Class 54 Rating, Add</i>	76.50	
<i>For Class 55 Rating, Add</i>	170.03	
40 05 19 00-1134 EA 8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,419.19	240.24
<i>For Class 52 Rating, Deduct</i>	-116.07	
<i>For Class 54 Rating, Add</i>	79.14	
<i>For Class 55 Rating, Add</i>	175.90	
40 05 19 00-1135 EA 8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,457.53	242.31
<i>For Class 52 Rating, Deduct</i>	-119.94	
<i>For Class 54 Rating, Add</i>	81.78	
<i>For Class 55 Rating, Add</i>	181.77	
40 05 19 00-1136 EA 8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,495.86	244.38
<i>For Class 52 Rating, Deduct</i>	-123.82	
<i>For Class 54 Rating, Add</i>	84.42	
<i>For Class 55 Rating, Add</i>	187.64	
40 05 19 00-1137 EA 8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,534.21	246.45
<i>For Class 52 Rating, Deduct</i>	-127.69	
<i>For Class 54 Rating, Add</i>	87.06	
<i>For Class 55 Rating, Add</i>	193.51	
40 05 19 00-1138 EA 8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,572.54	248.51
<i>For Class 52 Rating, Deduct</i>	-131.56	
<i>For Class 54 Rating, Add</i>	89.70	
<i>For Class 55 Rating, Add</i>	199.37	
40 05 19 00-1139 EA 8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,610.88	250.59
<i>For Class 52 Rating, Deduct</i>	-135.43	
<i>For Class 54 Rating, Add</i>	92.34	
<i>For Class 55 Rating, Add</i>	205.24	
40 05 19 00-1140 EA 8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,649.22	252.66
<i>For Class 52 Rating, Deduct</i>	-139.30	
<i>For Class 54 Rating, Add</i>	94.98	
<i>For Class 55 Rating, Add</i>	211.11	
40 05 19 00-1141 EA 8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,687.55	254.74
<i>For Class 52 Rating, Deduct</i>	-143.18	
<i>For Class 54 Rating, Add</i>	97.62	
<i>For Class 55 Rating, Add</i>	216.98	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1142	EA		8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,725.89	256.80
			For Class 52 Rating, Deduct	-147.05	
			For Class 54 Rating, Add	100.26	
			For Class 55 Rating, Add	222.84	
40 05 19 00-1143	EA		8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,764.23	258.88
			For Class 52 Rating, Deduct	-150.92	
			For Class 54 Rating, Add	102.90	
			For Class 55 Rating, Add	228.71	
40 05 19 00-1144	EA		8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,802.57	260.94
			For Class 52 Rating, Deduct	-154.79	
			For Class 54 Rating, Add	105.54	
			For Class 55 Rating, Add	234.58	
40 05 19 00-1145	EA		8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,840.90	263.01
			For Class 52 Rating, Deduct	-158.66	
			For Class 54 Rating, Add	108.18	
			For Class 55 Rating, Add	240.45	
40 05 19 00-1146	EA		8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,879.25	265.08
			For Class 52 Rating, Deduct	-162.54	
			For Class 54 Rating, Add	110.82	
			For Class 55 Rating, Add	246.32	
40 05 19 00-1147	EA		8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,917.58	267.16
			For Class 52 Rating, Deduct	-166.41	
			For Class 54 Rating, Add	113.46	
			For Class 55 Rating, Add	252.18	
40 05 19 00-1148	EA		8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,955.92	269.23
			For Class 52 Rating, Deduct	-170.28	
			For Class 54 Rating, Add	116.10	
			For Class 55 Rating, Add	258.05	
40 05 19 00-1149			10" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)		
40 05 19 00-1150	EA		10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	622.64	231.95
			For Class 52 Rating, Deduct	-29.83	
			For Class 54 Rating, Add	20.34	
			For Class 55 Rating, Add	45.21	
40 05 19 00-1151	EA		10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	672.18	234.01
			For Class 52 Rating, Deduct	-34.94	
			For Class 54 Rating, Add	23.82	
			For Class 55 Rating, Add	52.94	
40 05 19 00-1152	EA		10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	721.71	236.09
			For Class 52 Rating, Deduct	-40.04	
			For Class 54 Rating, Add	27.30	
			For Class 55 Rating, Add	60.68	
40 05 19 00-1153	EA		10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	771.25	238.16
			For Class 52 Rating, Deduct	-45.14	
			For Class 54 Rating, Add	30.78	
			For Class 55 Rating, Add	68.41	
40 05 19 00-1154	EA		10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	820.79	240.24
			For Class 52 Rating, Deduct	-50.25	
			For Class 54 Rating, Add	34.26	
			For Class 55 Rating, Add	76.15	
40 05 19 00-1155	EA		10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	870.33	242.31
			For Class 52 Rating, Deduct	-55.35	
			For Class 54 Rating, Add	37.74	
			For Class 55 Rating, Add	83.88	
40 05 19 00-1156	EA		10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	919.86	244.38
			For Class 52 Rating, Deduct	-60.46	
			For Class 54 Rating, Add	41.22	
			For Class 55 Rating, Add	91.62	
40 05 19 00-1157	EA		10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	969.41	246.45
			For Class 52 Rating, Deduct	-65.56	
			For Class 54 Rating, Add	44.70	
			For Class 55 Rating, Add	99.35	
40 05 19 00-1158	EA		10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,018.94	248.51
			For Class 52 Rating, Deduct	-70.66	
			For Class 54 Rating, Add	48.18	
			For Class 55 Rating, Add	107.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1159 EA 10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,068.48	250.59
<i>For Class 52 Rating, Deduct</i>	-75.77	
<i>For Class 54 Rating, Add</i>	51.66	
<i>For Class 55 Rating, Add</i>	114.82	
40 05 19 00-1160 EA 10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,118.02	252.66
<i>For Class 52 Rating, Deduct</i>	-80.87	
<i>For Class 54 Rating, Add</i>	55.14	
<i>For Class 55 Rating, Add</i>	122.56	
40 05 19 00-1161 EA 10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,167.55	254.74
<i>For Class 52 Rating, Deduct</i>	-85.98	
<i>For Class 54 Rating, Add</i>	58.62	
<i>For Class 55 Rating, Add</i>	130.29	
40 05 19 00-1162 EA 10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,217.09	256.80
<i>For Class 52 Rating, Deduct</i>	-91.08	
<i>For Class 54 Rating, Add</i>	62.10	
<i>For Class 55 Rating, Add</i>	138.03	
40 05 19 00-1163 EA 10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,266.63	258.88
<i>For Class 52 Rating, Deduct</i>	-96.18	
<i>For Class 54 Rating, Add</i>	65.58	
<i>For Class 55 Rating, Add</i>	145.76	
40 05 19 00-1164 EA 10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,316.17	260.94
<i>For Class 52 Rating, Deduct</i>	-101.29	
<i>For Class 54 Rating, Add</i>	69.06	
<i>For Class 55 Rating, Add</i>	153.50	
40 05 19 00-1165 EA 10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,365.70	263.01
<i>For Class 52 Rating, Deduct</i>	-106.39	
<i>For Class 54 Rating, Add</i>	72.54	
<i>For Class 55 Rating, Add</i>	161.23	
40 05 19 00-1166 EA 10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,415.25	265.08
<i>For Class 52 Rating, Deduct</i>	-111.50	
<i>For Class 54 Rating, Add</i>	76.02	
<i>For Class 55 Rating, Add</i>	168.97	
40 05 19 00-1167 EA 10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,464.78	267.16
<i>For Class 52 Rating, Deduct</i>	-116.60	
<i>For Class 54 Rating, Add</i>	79.50	
<i>For Class 55 Rating, Add</i>	176.70	
40 05 19 00-1168 EA 10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,514.32	269.23
<i>For Class 52 Rating, Deduct</i>	-121.70	
<i>For Class 54 Rating, Add</i>	82.98	
<i>For Class 55 Rating, Add</i>	184.44	
40 05 19 00-1169 EA 10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,563.86	271.30
<i>For Class 52 Rating, Deduct</i>	-126.81	
<i>For Class 54 Rating, Add</i>	86.46	
<i>For Class 55 Rating, Add</i>	192.17	
40 05 19 00-1170 EA 10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,613.39	273.36
<i>For Class 52 Rating, Deduct</i>	-131.91	
<i>For Class 54 Rating, Add</i>	89.94	
<i>For Class 55 Rating, Add</i>	199.91	
40 05 19 00-1171 EA 10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,662.93	275.44
<i>For Class 52 Rating, Deduct</i>	-137.02	
<i>For Class 54 Rating, Add</i>	93.42	
<i>For Class 55 Rating, Add</i>	207.64	
40 05 19 00-1172 EA 10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,712.47	277.51
<i>For Class 52 Rating, Deduct</i>	-142.12	
<i>For Class 54 Rating, Add</i>	96.90	
<i>For Class 55 Rating, Add</i>	215.38	
40 05 19 00-1173 EA 10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,762.01	279.58
<i>For Class 52 Rating, Deduct</i>	-147.22	
<i>For Class 54 Rating, Add</i>	100.38	
<i>For Class 55 Rating, Add</i>	223.11	
40 05 19 00-1174 EA 10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,811.55	281.65
<i>For Class 52 Rating, Deduct</i>	-152.33	
<i>For Class 54 Rating, Add</i>	103.86	
<i>For Class 55 Rating, Add</i>	230.85	
40 05 19 00-1175 EA 10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,861.09	283.73
<i>For Class 52 Rating, Deduct</i>	-157.43	
<i>For Class 54 Rating, Add</i>	107.34	
<i>For Class 55 Rating, Add</i>	238.58	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1176	EA		10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,910.62	285.80
			<i>For Class 52 Rating, Deduct</i>	-162.54	
			<i>For Class 54 Rating, Add</i>	110.82	
			<i>For Class 55 Rating, Add</i>	246.32	
40 05 19 00-1177	EA		10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,960.17	287.86
			<i>For Class 52 Rating, Deduct</i>	-167.64	
			<i>For Class 54 Rating, Add</i>	114.30	
			<i>For Class 55 Rating, Add</i>	254.05	
40 05 19 00-1178	EA		10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,009.70	289.94
			<i>For Class 52 Rating, Deduct</i>	-172.74	
			<i>For Class 54 Rating, Add</i>	117.78	
			<i>For Class 55 Rating, Add</i>	261.79	
40 05 19 00-1179	EA		10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,059.23	292.01
			<i>For Class 52 Rating, Deduct</i>	-177.85	
			<i>For Class 54 Rating, Add</i>	121.26	
			<i>For Class 55 Rating, Add</i>	269.52	
40 05 19 00-1180	EA		10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,108.78	294.08
			<i>For Class 52 Rating, Deduct</i>	-182.95	
			<i>For Class 54 Rating, Add</i>	124.74	
			<i>For Class 55 Rating, Add</i>	277.26	
40 05 19 00-1181	EA		10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,158.31	296.15
			<i>For Class 52 Rating, Deduct</i>	-188.06	
			<i>For Class 54 Rating, Add</i>	128.22	
			<i>For Class 55 Rating, Add</i>	284.99	
40 05 19 00-1182	EA		10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,207.85	298.23
			<i>For Class 52 Rating, Deduct</i>	-193.16	
			<i>For Class 54 Rating, Add</i>	131.70	
			<i>For Class 55 Rating, Add</i>	292.73	
40 05 19 00-1183	EA		10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,257.39	300.29
			<i>For Class 52 Rating, Deduct</i>	-198.26	
			<i>For Class 54 Rating, Add</i>	135.18	
			<i>For Class 55 Rating, Add</i>	300.46	
40 05 19 00-1184	EA		10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,306.93	302.36
			<i>For Class 52 Rating, Deduct</i>	-203.37	
			<i>For Class 54 Rating, Add</i>	138.66	
			<i>For Class 55 Rating, Add</i>	308.19	
40 05 19 00-1185	EA		10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,356.46	304.43
			<i>For Class 52 Rating, Deduct</i>	-208.47	
			<i>For Class 54 Rating, Add</i>	142.14	
			<i>For Class 55 Rating, Add</i>	315.93	
40 05 19 00-1186	EA		10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,406.01	306.51
			<i>For Class 52 Rating, Deduct</i>	-213.58	
			<i>For Class 54 Rating, Add</i>	145.62	
			<i>For Class 55 Rating, Add</i>	323.66	
40 05 19 00-1187	EA		10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,455.54	308.57
			<i>For Class 52 Rating, Deduct</i>	-218.68	
			<i>For Class 54 Rating, Add</i>	149.10	
			<i>For Class 55 Rating, Add</i>	331.40	
40 05 19 00-1188	EA		10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,505.07	310.65
			<i>For Class 52 Rating, Deduct</i>	-223.78	
			<i>For Class 54 Rating, Add</i>	152.58	
			<i>For Class 55 Rating, Add</i>	339.13	
40 05 19 00-1189			12" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1190	EA		12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	800.90	289.94
			<i>For Class 52 Rating, Deduct</i>	-39.78	
			<i>For Class 54 Rating, Add</i>	27.12	
			<i>For Class 55 Rating, Add</i>	60.28	
40 05 19 00-1191	EA		12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	862.43	292.01
			<i>For Class 52 Rating, Deduct</i>	-46.20	
			<i>For Class 54 Rating, Add</i>	31.50	
			<i>For Class 55 Rating, Add</i>	70.01	
40 05 19 00-1192	EA		12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	923.98	294.08
			<i>For Class 52 Rating, Deduct</i>	-52.62	
			<i>For Class 54 Rating, Add</i>	35.88	
			<i>For Class 55 Rating, Add</i>	79.75	



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	40
Ductile Iron Process Pipe 40 05 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1193 EA 12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	985.51	296.15
<i>For Class 52 Rating, Deduct</i>	-59.05	
<i>For Class 54 Rating, Add</i>	40.26	
<i>For Class 55 Rating, Add</i>	89.48	
40 05 19 00-1194 EA 12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,047.05	298.23
<i>For Class 52 Rating, Deduct</i>	-65.47	
<i>For Class 54 Rating, Add</i>	44.64	
<i>For Class 55 Rating, Add</i>	99.22	
40 05 19 00-1195 EA 12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,108.59	300.29
<i>For Class 52 Rating, Deduct</i>	-71.90	
<i>For Class 54 Rating, Add</i>	49.02	
<i>For Class 55 Rating, Add</i>	108.96	
40 05 19 00-1196 EA 12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,170.13	302.36
<i>For Class 52 Rating, Deduct</i>	-78.32	
<i>For Class 54 Rating, Add</i>	53.40	
<i>For Class 55 Rating, Add</i>	118.69	
40 05 19 00-1197 EA 12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,231.66	304.43
<i>For Class 52 Rating, Deduct</i>	-84.74	
<i>For Class 54 Rating, Add</i>	57.78	
<i>For Class 55 Rating, Add</i>	128.43	
40 05 19 00-1198 EA 12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,293.21	306.51
<i>For Class 52 Rating, Deduct</i>	-91.17	
<i>For Class 54 Rating, Add</i>	62.16	
<i>For Class 55 Rating, Add</i>	138.16	
40 05 19 00-1199 EA 12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,354.74	308.57
<i>For Class 52 Rating, Deduct</i>	-97.59	
<i>For Class 54 Rating, Add</i>	66.54	
<i>For Class 55 Rating, Add</i>	147.90	
40 05 19 00-1200 EA 12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,416.27	310.65
<i>For Class 52 Rating, Deduct</i>	-104.02	
<i>For Class 54 Rating, Add</i>	70.92	
<i>For Class 55 Rating, Add</i>	157.63	
40 05 19 00-1201 EA 12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,477.82	312.72
<i>For Class 52 Rating, Deduct</i>	-110.44	
<i>For Class 54 Rating, Add</i>	75.30	
<i>For Class 55 Rating, Add</i>	167.37	
40 05 19 00-1202 EA 12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,539.35	314.79
<i>For Class 52 Rating, Deduct</i>	-116.86	
<i>For Class 54 Rating, Add</i>	79.68	
<i>For Class 55 Rating, Add</i>	177.10	
40 05 19 00-1203 EA 12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,600.89	316.85
<i>For Class 52 Rating, Deduct</i>	-123.29	
<i>For Class 54 Rating, Add</i>	84.06	
<i>For Class 55 Rating, Add</i>	186.84	
40 05 19 00-1204 EA 12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,662.43	318.93
<i>For Class 52 Rating, Deduct</i>	-129.71	
<i>For Class 54 Rating, Add</i>	88.44	
<i>For Class 55 Rating, Add</i>	196.57	
40 05 19 00-1205 EA 12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,723.97	321.00
<i>For Class 52 Rating, Deduct</i>	-136.14	
<i>For Class 54 Rating, Add</i>	92.82	
<i>For Class 55 Rating, Add</i>	206.31	
40 05 19 00-1206 EA 12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,785.50	323.07
<i>For Class 52 Rating, Deduct</i>	-142.56	
<i>For Class 54 Rating, Add</i>	97.20	
<i>For Class 55 Rating, Add</i>	216.04	
40 05 19 00-1207 EA 12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,847.05	325.15
<i>For Class 52 Rating, Deduct</i>	-148.98	
<i>For Class 54 Rating, Add</i>	101.58	
<i>For Class 55 Rating, Add</i>	225.78	
40 05 19 00-1208 EA 12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,908.58	327.22
<i>For Class 52 Rating, Deduct</i>	-155.41	
<i>For Class 54 Rating, Add</i>	105.96	
<i>For Class 55 Rating, Add</i>	235.51	
40 05 19 00-1209 EA 12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,970.11	329.28
<i>For Class 52 Rating, Deduct</i>	-161.83	
<i>For Class 54 Rating, Add</i>	110.34	
<i>For Class 55 Rating, Add</i>	245.25	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1210	EA		12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,031.66	331.35
			<i>For Class 52 Rating, Deduct</i>	-168.26	
			<i>For Class 54 Rating, Add</i>	114.72	
			<i>For Class 55 Rating, Add</i>	254.98	
40 05 19 00-1211	EA		12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,093.19	333.43
			<i>For Class 52 Rating, Deduct</i>	-174.68	
			<i>For Class 54 Rating, Add</i>	119.10	
			<i>For Class 55 Rating, Add</i>	264.72	
40 05 19 00-1212	EA		12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,154.73	335.50
			<i>For Class 52 Rating, Deduct</i>	-181.10	
			<i>For Class 54 Rating, Add</i>	123.48	
			<i>For Class 55 Rating, Add</i>	274.45	
40 05 19 00-1213	EA		12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,216.27	337.57
			<i>For Class 52 Rating, Deduct</i>	-187.53	
			<i>For Class 54 Rating, Add</i>	127.86	
			<i>For Class 55 Rating, Add</i>	284.19	
40 05 19 00-1214	EA		12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,277.81	339.64
			<i>For Class 52 Rating, Deduct</i>	-193.95	
			<i>For Class 54 Rating, Add</i>	132.24	
			<i>For Class 55 Rating, Add</i>	293.93	
40 05 19 00-1215	EA		12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,339.34	341.72
			<i>For Class 52 Rating, Deduct</i>	-200.38	
			<i>For Class 54 Rating, Add</i>	136.62	
			<i>For Class 55 Rating, Add</i>	303.66	
40 05 19 00-1216	EA		12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,400.88	343.78
			<i>For Class 52 Rating, Deduct</i>	-206.80	
			<i>For Class 54 Rating, Add</i>	141.00	
			<i>For Class 55 Rating, Add</i>	313.40	
40 05 19 00-1217	EA		12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,462.42	345.85
			<i>For Class 52 Rating, Deduct</i>	-213.22	
			<i>For Class 54 Rating, Add</i>	145.38	
			<i>For Class 55 Rating, Add</i>	323.13	
40 05 19 00-1218	EA		12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,523.95	347.92
			<i>For Class 52 Rating, Deduct</i>	-219.65	
			<i>For Class 54 Rating, Add</i>	149.76	
			<i>For Class 55 Rating, Add</i>	332.87	
40 05 19 00-1219	EA		12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,585.50	350.00
			<i>For Class 52 Rating, Deduct</i>	-226.07	
			<i>For Class 54 Rating, Add</i>	154.14	
			<i>For Class 55 Rating, Add</i>	342.60	
40 05 19 00-1220	EA		12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,647.03	352.06
			<i>For Class 52 Rating, Deduct</i>	-232.50	
			<i>For Class 54 Rating, Add</i>	158.52	
			<i>For Class 55 Rating, Add</i>	352.34	
40 05 19 00-1221	EA		12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,708.57	354.14
			<i>For Class 52 Rating, Deduct</i>	-238.92	
			<i>For Class 54 Rating, Add</i>	162.90	
			<i>For Class 55 Rating, Add</i>	362.07	
40 05 19 00-1222	EA		12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,770.11	356.21
			<i>For Class 52 Rating, Deduct</i>	-245.34	
			<i>For Class 54 Rating, Add</i>	167.28	
			<i>For Class 55 Rating, Add</i>	371.81	
40 05 19 00-1223	EA		12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,831.65	358.28
			<i>For Class 52 Rating, Deduct</i>	-251.77	
			<i>For Class 54 Rating, Add</i>	171.66	
			<i>For Class 55 Rating, Add</i>	381.54	
40 05 19 00-1224	EA		12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,893.19	360.35
			<i>For Class 52 Rating, Deduct</i>	-258.19	
			<i>For Class 54 Rating, Add</i>	176.04	
			<i>For Class 55 Rating, Add</i>	391.28	
40 05 19 00-1225	EA		12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,954.72	362.42
			<i>For Class 52 Rating, Deduct</i>	-264.62	
			<i>For Class 54 Rating, Add</i>	180.42	
			<i>For Class 55 Rating, Add</i>	401.01	
40 05 19 00-1226	EA		12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,016.26	364.50
			<i>For Class 52 Rating, Deduct</i>	-271.04	
			<i>For Class 54 Rating, Add</i>	184.80	
			<i>For Class 55 Rating, Add</i>	410.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1227 EA 12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,077.80	366.56
<i>For Class 52 Rating, Deduct</i>	-277.46	
<i>For Class 54 Rating, Add</i>	189.18	
<i>For Class 55 Rating, Add</i>	420.48	
40 05 19 00-1228 EA 12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,139.34	368.64
<i>For Class 52 Rating, Deduct</i>	-283.89	
<i>For Class 54 Rating, Add</i>	193.56	
<i>For Class 55 Rating, Add</i>	430.22	
40 05 19 00-1229 14" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
<small>(40 05 19 00-1028)</small>		
40 05 19 00-1230 EA 14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,043.15	347.92
<i>For Class 52 Rating, Deduct</i>	-56.76	
<i>For Class 54 Rating, Add</i>	38.70	
<i>For Class 55 Rating, Add</i>	86.02	
40 05 19 00-1231 EA 14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,117.50	350.00
<i>For Class 52 Rating, Deduct</i>	-64.59	
<i>For Class 54 Rating, Add</i>	44.04	
<i>For Class 55 Rating, Add</i>	97.89	
40 05 19 00-1232 EA 14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,191.83	352.06
<i>For Class 52 Rating, Deduct</i>	-72.42	
<i>For Class 54 Rating, Add</i>	49.38	
<i>For Class 55 Rating, Add</i>	109.76	
40 05 19 00-1233 EA 14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,266.17	354.14
<i>For Class 52 Rating, Deduct</i>	-80.26	
<i>For Class 54 Rating, Add</i>	54.72	
<i>For Class 55 Rating, Add</i>	121.62	
40 05 19 00-1234 EA 14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,340.51	356.21
<i>For Class 52 Rating, Deduct</i>	-88.09	
<i>For Class 54 Rating, Add</i>	60.06	
<i>For Class 55 Rating, Add</i>	133.49	
40 05 19 00-1235 EA 14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,414.85	358.28
<i>For Class 52 Rating, Deduct</i>	-95.92	
<i>For Class 54 Rating, Add</i>	65.40	
<i>For Class 55 Rating, Add</i>	145.36	
40 05 19 00-1236 EA 14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,489.19	360.35
<i>For Class 52 Rating, Deduct</i>	-103.75	
<i>For Class 54 Rating, Add</i>	70.74	
<i>For Class 55 Rating, Add</i>	157.23	
40 05 19 00-1237 EA 14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,563.52	362.42
<i>For Class 52 Rating, Deduct</i>	-111.58	
<i>For Class 54 Rating, Add</i>	76.08	
<i>For Class 55 Rating, Add</i>	169.10	
40 05 19 00-1238 EA 14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,637.86	364.50
<i>For Class 52 Rating, Deduct</i>	-119.42	
<i>For Class 54 Rating, Add</i>	81.42	
<i>For Class 55 Rating, Add</i>	180.97	
40 05 19 00-1239 EA 14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,712.20	366.56
<i>For Class 52 Rating, Deduct</i>	-127.25	
<i>For Class 54 Rating, Add</i>	86.76	
<i>For Class 55 Rating, Add</i>	192.84	
40 05 19 00-1240 EA 14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,786.54	368.64
<i>For Class 52 Rating, Deduct</i>	-135.08	
<i>For Class 54 Rating, Add</i>	92.10	
<i>For Class 55 Rating, Add</i>	204.71	
40 05 19 00-1241 EA 14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,860.87	370.71
<i>For Class 52 Rating, Deduct</i>	-142.91	
<i>For Class 54 Rating, Add</i>	97.44	
<i>For Class 55 Rating, Add</i>	216.58	
40 05 19 00-1242 EA 14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,935.22	372.78
<i>For Class 52 Rating, Deduct</i>	-150.74	
<i>For Class 54 Rating, Add</i>	102.78	
<i>For Class 55 Rating, Add</i>	228.45	
40 05 19 00-1243 EA 14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,009.55	374.84
<i>For Class 52 Rating, Deduct</i>	-158.58	
<i>For Class 54 Rating, Add</i>	108.12	
<i>For Class 55 Rating, Add</i>	240.31	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1244	EA		14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,083.89	376.92
			<i>For Class 52 Rating, Deduct</i>	-166.41	
			<i>For Class 54 Rating, Add</i>	113.46	
			<i>For Class 55 Rating, Add</i>	252.18	
40 05 19 00-1245	EA		14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,158.23	378.99
			<i>For Class 52 Rating, Deduct</i>	-174.24	
			<i>For Class 54 Rating, Add</i>	118.80	
			<i>For Class 55 Rating, Add</i>	264.05	
40 05 19 00-1246	EA		14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,232.56	381.06
			<i>For Class 52 Rating, Deduct</i>	-182.07	
			<i>For Class 54 Rating, Add</i>	124.14	
			<i>For Class 55 Rating, Add</i>	275.92	
40 05 19 00-1247	EA		14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,306.90	383.13
			<i>For Class 52 Rating, Deduct</i>	-189.90	
			<i>For Class 54 Rating, Add</i>	129.48	
			<i>For Class 55 Rating, Add</i>	287.79	
40 05 19 00-1248	EA		14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,381.24	385.21
			<i>For Class 52 Rating, Deduct</i>	-197.74	
			<i>For Class 54 Rating, Add</i>	134.82	
			<i>For Class 55 Rating, Add</i>	299.66	
40 05 19 00-1249	EA		14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,455.58	387.27
			<i>For Class 52 Rating, Deduct</i>	-205.57	
			<i>For Class 54 Rating, Add</i>	140.16	
			<i>For Class 55 Rating, Add</i>	311.53	
40 05 19 00-1250	EA		14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,529.91	389.34
			<i>For Class 52 Rating, Deduct</i>	-213.40	
			<i>For Class 54 Rating, Add</i>	145.50	
			<i>For Class 55 Rating, Add</i>	323.40	
40 05 19 00-1251	EA		14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,604.26	391.41
			<i>For Class 52 Rating, Deduct</i>	-221.23	
			<i>For Class 54 Rating, Add</i>	150.84	
			<i>For Class 55 Rating, Add</i>	335.27	
40 05 19 00-1252	EA		14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,678.59	393.49
			<i>For Class 52 Rating, Deduct</i>	-229.06	
			<i>For Class 54 Rating, Add</i>	156.18	
			<i>For Class 55 Rating, Add</i>	347.14	
40 05 19 00-1253	EA		14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,752.93	395.56
			<i>For Class 52 Rating, Deduct</i>	-236.90	
			<i>For Class 54 Rating, Add</i>	161.52	
			<i>For Class 55 Rating, Add</i>	359.01	
40 05 19 00-1254	EA		14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,827.27	397.63
			<i>For Class 52 Rating, Deduct</i>	-244.73	
			<i>For Class 54 Rating, Add</i>	166.86	
			<i>For Class 55 Rating, Add</i>	370.87	
40 05 19 00-1255	EA		14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,901.60	399.69
			<i>For Class 52 Rating, Deduct</i>	-252.56	
			<i>For Class 54 Rating, Add</i>	172.20	
			<i>For Class 55 Rating, Add</i>	382.74	
40 05 19 00-1256	EA		14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,975.94	401.77
			<i>For Class 52 Rating, Deduct</i>	-260.39	
			<i>For Class 54 Rating, Add</i>	177.54	
			<i>For Class 55 Rating, Add</i>	394.61	
40 05 19 00-1257	EA		14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,050.28	403.84
			<i>For Class 52 Rating, Deduct</i>	-268.22	
			<i>For Class 54 Rating, Add</i>	182.88	
			<i>For Class 55 Rating, Add</i>	406.48	
40 05 19 00-1258	EA		14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,124.62	405.91
			<i>For Class 52 Rating, Deduct</i>	-276.06	
			<i>For Class 54 Rating, Add</i>	188.22	
			<i>For Class 55 Rating, Add</i>	418.35	
40 05 19 00-1259	EA		14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,198.95	407.99
			<i>For Class 52 Rating, Deduct</i>	-283.89	
			<i>For Class 54 Rating, Add</i>	193.56	
			<i>For Class 55 Rating, Add</i>	430.22	
40 05 19 00-1260	EA		14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,273.30	410.06
			<i>For Class 52 Rating, Deduct</i>	-291.72	
			<i>For Class 54 Rating, Add</i>	198.90	
			<i>For Class 55 Rating, Add</i>	442.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1261 EA 14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,347.63	412.13
<i>For Class 52 Rating, Deduct</i>	-299.55	
<i>For Class 54 Rating, Add</i>	204.24	
<i>For Class 55 Rating, Add</i>	453.96	
40 05 19 00-1262 EA 14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,421.97	414.19
<i>For Class 52 Rating, Deduct</i>	-307.38	
<i>For Class 54 Rating, Add</i>	209.58	
<i>For Class 55 Rating, Add</i>	465.83	
40 05 19 00-1263 EA 14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,496.31	416.27
<i>For Class 52 Rating, Deduct</i>	-315.22	
<i>For Class 54 Rating, Add</i>	214.92	
<i>For Class 55 Rating, Add</i>	477.70	
40 05 19 00-1264 EA 14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,570.64	418.33
<i>For Class 52 Rating, Deduct</i>	-323.05	
<i>For Class 54 Rating, Add</i>	220.26	
<i>For Class 55 Rating, Add</i>	489.56	
40 05 19 00-1265 EA 14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,644.98	420.41
<i>For Class 52 Rating, Deduct</i>	-330.88	
<i>For Class 54 Rating, Add</i>	225.60	
<i>For Class 55 Rating, Add</i>	501.43	
40 05 19 00-1266 EA 14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,719.32	422.48
<i>For Class 52 Rating, Deduct</i>	-338.71	
<i>For Class 54 Rating, Add</i>	230.94	
<i>For Class 55 Rating, Add</i>	513.30	
40 05 19 00-1267 EA 14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,793.66	424.56
<i>For Class 52 Rating, Deduct</i>	-346.54	
<i>For Class 54 Rating, Add</i>	236.28	
<i>For Class 55 Rating, Add</i>	525.17	
40 05 19 00-1268 16" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
<small>(40 05 19 00-1028)</small>		
40 05 19 00-1269 EA 16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,212.87	397.63
<i>For Class 52 Rating, Deduct</i>	-67.14	
<i>For Class 54 Rating, Add</i>	45.78	
<i>For Class 55 Rating, Add</i>	101.75	
40 05 19 00-1270 EA 16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,299.20	399.69
<i>For Class 52 Rating, Deduct</i>	-76.30	
<i>For Class 54 Rating, Add</i>	52.02	
<i>For Class 55 Rating, Add</i>	115.62	
40 05 19 00-1271 EA 16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,385.54	401.77
<i>For Class 52 Rating, Deduct</i>	-85.45	
<i>For Class 54 Rating, Add</i>	58.26	
<i>For Class 55 Rating, Add</i>	129.49	
40 05 19 00-1272 EA 16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,471.88	403.84
<i>For Class 52 Rating, Deduct</i>	-94.60	
<i>For Class 54 Rating, Add</i>	64.50	
<i>For Class 55 Rating, Add</i>	143.36	
40 05 19 00-1273 EA 16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,558.22	405.91
<i>For Class 52 Rating, Deduct</i>	-103.75	
<i>For Class 54 Rating, Add</i>	70.74	
<i>For Class 55 Rating, Add</i>	157.23	
40 05 19 00-1274 EA 16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,644.55	407.99
<i>For Class 52 Rating, Deduct</i>	-112.90	
<i>For Class 54 Rating, Add</i>	76.98	
<i>For Class 55 Rating, Add</i>	171.10	
40 05 19 00-1275 EA 16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,730.90	410.06
<i>For Class 52 Rating, Deduct</i>	-122.06	
<i>For Class 54 Rating, Add</i>	83.22	
<i>For Class 55 Rating, Add</i>	184.97	
40 05 19 00-1276 EA 16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,817.23	412.13
<i>For Class 52 Rating, Deduct</i>	-131.21	
<i>For Class 54 Rating, Add</i>	89.46	
<i>For Class 55 Rating, Add</i>	198.84	
40 05 19 00-1277 EA 16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,903.57	414.19
<i>For Class 52 Rating, Deduct</i>	-140.36	
<i>For Class 54 Rating, Add</i>	95.70	
<i>For Class 55 Rating, Add</i>	212.71	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1278	EA		16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,989.91	416.27
			<i>For Class 52 Rating, Deduct</i>	-149.51	
			<i>For Class 54 Rating, Add</i>	101.94	
			<i>For Class 55 Rating, Add</i>	226.58	
40 05 19 00-1279	EA		16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,076.24	418.33
			<i>For Class 52 Rating, Deduct</i>	-158.66	
			<i>For Class 54 Rating, Add</i>	108.18	
			<i>For Class 55 Rating, Add</i>	240.45	
40 05 19 00-1280	EA		16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,162.58	420.41
			<i>For Class 52 Rating, Deduct</i>	-167.82	
			<i>For Class 54 Rating, Add</i>	114.42	
			<i>For Class 55 Rating, Add</i>	254.32	
40 05 19 00-1281	EA		16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,248.92	422.48
			<i>For Class 52 Rating, Deduct</i>	-176.97	
			<i>For Class 54 Rating, Add</i>	120.66	
			<i>For Class 55 Rating, Add</i>	268.19	
40 05 19 00-1282	EA		16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,335.26	424.56
			<i>For Class 52 Rating, Deduct</i>	-186.12	
			<i>For Class 54 Rating, Add</i>	126.90	
			<i>For Class 55 Rating, Add</i>	282.06	
40 05 19 00-1283	EA		16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,421.59	426.62
			<i>For Class 52 Rating, Deduct</i>	-195.27	
			<i>For Class 54 Rating, Add</i>	133.14	
			<i>For Class 55 Rating, Add</i>	295.93	
40 05 19 00-1284	EA		16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,507.94	428.69
			<i>For Class 52 Rating, Deduct</i>	-204.42	
			<i>For Class 54 Rating, Add</i>	139.38	
			<i>For Class 55 Rating, Add</i>	309.80	
40 05 19 00-1285	EA		16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,594.27	430.76
			<i>For Class 52 Rating, Deduct</i>	-213.58	
			<i>For Class 54 Rating, Add</i>	145.62	
			<i>For Class 55 Rating, Add</i>	323.66	
40 05 19 00-1286	EA		16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,680.61	432.83
			<i>For Class 52 Rating, Deduct</i>	-222.73	
			<i>For Class 54 Rating, Add</i>	151.86	
			<i>For Class 55 Rating, Add</i>	337.53	
40 05 19 00-1287	EA		16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,766.95	434.90
			<i>For Class 52 Rating, Deduct</i>	-231.88	
			<i>For Class 54 Rating, Add</i>	158.10	
			<i>For Class 55 Rating, Add</i>	351.40	
40 05 19 00-1288	EA		16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,853.28	436.98
			<i>For Class 52 Rating, Deduct</i>	-241.03	
			<i>For Class 54 Rating, Add</i>	164.34	
			<i>For Class 55 Rating, Add</i>	365.27	
40 05 19 00-1289	EA		16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,939.63	439.05
			<i>For Class 52 Rating, Deduct</i>	-250.18	
			<i>For Class 54 Rating, Add</i>	170.58	
			<i>For Class 55 Rating, Add</i>	379.14	
40 05 19 00-1290	EA		16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,025.96	441.11
			<i>For Class 52 Rating, Deduct</i>	-259.34	
			<i>For Class 54 Rating, Add</i>	176.82	
			<i>For Class 55 Rating, Add</i>	393.01	
40 05 19 00-1291	EA		16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,112.30	443.19
			<i>For Class 52 Rating, Deduct</i>	-268.49	
			<i>For Class 54 Rating, Add</i>	183.06	
			<i>For Class 55 Rating, Add</i>	406.88	
40 05 19 00-1292	EA		16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,198.64	445.26
			<i>For Class 52 Rating, Deduct</i>	-277.64	
			<i>For Class 54 Rating, Add</i>	189.30	
			<i>For Class 55 Rating, Add</i>	420.75	
40 05 19 00-1293	EA		16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,284.98	447.34
			<i>For Class 52 Rating, Deduct</i>	-286.79	
			<i>For Class 54 Rating, Add</i>	195.54	
			<i>For Class 55 Rating, Add</i>	434.62	
40 05 19 00-1294	EA		16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,371.31	449.40
			<i>For Class 52 Rating, Deduct</i>	-295.94	
			<i>For Class 54 Rating, Add</i>	201.78	
			<i>For Class 55 Rating, Add</i>	448.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1295 EA 16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,457.65	451.48
For Class 52 Rating, Deduct	-305.10	
For Class 54 Rating, Add	208.02	
For Class 55 Rating, Add	462.36	
40 05 19 00-1296 EA 16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,543.99	453.55
For Class 52 Rating, Deduct	-314.25	
For Class 54 Rating, Add	214.26	
For Class 55 Rating, Add	476.23	
40 05 19 00-1297 EA 16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,630.32	455.61
For Class 52 Rating, Deduct	-323.40	
For Class 54 Rating, Add	220.50	
For Class 55 Rating, Add	490.10	
40 05 19 00-1298 EA 16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,716.67	457.68
For Class 52 Rating, Deduct	-332.55	
For Class 54 Rating, Add	226.74	
For Class 55 Rating, Add	503.97	
40 05 19 00-1299 EA 16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,803.00	459.76
For Class 52 Rating, Deduct	-341.70	
For Class 54 Rating, Add	232.98	
For Class 55 Rating, Add	517.84	
40 05 19 00-1300 EA 16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,889.34	461.83
For Class 52 Rating, Deduct	-350.86	
For Class 54 Rating, Add	239.22	
For Class 55 Rating, Add	531.71	
40 05 19 00-1301 EA 16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,975.68	463.90
For Class 52 Rating, Deduct	-360.01	
For Class 54 Rating, Add	245.46	
For Class 55 Rating, Add	545.58	
40 05 19 00-1302 EA 16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,062.02	465.97
For Class 52 Rating, Deduct	-369.16	
For Class 54 Rating, Add	251.70	
For Class 55 Rating, Add	559.45	
40 05 19 00-1303 EA 16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,148.35	468.05
For Class 52 Rating, Deduct	-378.31	
For Class 54 Rating, Add	257.94	
For Class 55 Rating, Add	573.31	
40 05 19 00-1304 EA 16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,234.69	470.10
For Class 52 Rating, Deduct	-387.46	
For Class 54 Rating, Add	264.18	
For Class 55 Rating, Add	587.18	
40 05 19 00-1305 EA 16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,321.03	472.18
For Class 52 Rating, Deduct	-396.62	
For Class 54 Rating, Add	270.42	
For Class 55 Rating, Add	601.05	
40 05 19 00-1306 EA 16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,407.36	474.25
For Class 52 Rating, Deduct	-405.77	
For Class 54 Rating, Add	276.66	
For Class 55 Rating, Add	614.92	
40 05 19 00-1307 18" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1308 EA 18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,395.03	448.16
For Class 52 Rating, Deduct	-78.76	
For Class 54 Rating, Add	53.70	
For Class 55 Rating, Add	119.36	
40 05 19 00-1309 EA 18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,494.17	450.23
For Class 52 Rating, Deduct	-89.32	
For Class 54 Rating, Add	60.90	
For Class 55 Rating, Add	135.36	
40 05 19 00-1310 EA 18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,593.31	452.30
For Class 52 Rating, Deduct	-99.88	
For Class 54 Rating, Add	68.10	
For Class 55 Rating, Add	151.36	
40 05 19 00-1311 EA 18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,692.45	454.37
For Class 52 Rating, Deduct	-110.44	
For Class 54 Rating, Add	75.30	
For Class 55 Rating, Add	167.37	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1312	EA		18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,791.58	456.45
			<i>For Class 52 Rating, Deduct</i>	-121.00	
			<i>For Class 54 Rating, Add</i>	82.50	
			<i>For Class 55 Rating, Add</i>	183.37	
40 05 19 00-1313	EA		18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,890.72	458.51
			<i>For Class 52 Rating, Deduct</i>	-131.56	
			<i>For Class 54 Rating, Add</i>	89.70	
			<i>For Class 55 Rating, Add</i>	199.37	
40 05 19 00-1314	EA		18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,989.86	460.59
			<i>For Class 52 Rating, Deduct</i>	-142.12	
			<i>For Class 54 Rating, Add</i>	96.90	
			<i>For Class 55 Rating, Add</i>	215.38	
40 05 19 00-1315	EA		18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,088.99	462.65
			<i>For Class 52 Rating, Deduct</i>	-152.68	
			<i>For Class 54 Rating, Add</i>	104.10	
			<i>For Class 55 Rating, Add</i>	231.38	
40 05 19 00-1316	EA		18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,188.14	464.73
			<i>For Class 52 Rating, Deduct</i>	-163.24	
			<i>For Class 54 Rating, Add</i>	111.30	
			<i>For Class 55 Rating, Add</i>	247.38	
40 05 19 00-1317	EA		18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,287.27	466.80
			<i>For Class 52 Rating, Deduct</i>	-173.80	
			<i>For Class 54 Rating, Add</i>	118.50	
			<i>For Class 55 Rating, Add</i>	263.39	
40 05 19 00-1318	EA		18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,386.41	468.87
			<i>For Class 52 Rating, Deduct</i>	-184.36	
			<i>For Class 54 Rating, Add</i>	125.70	
			<i>For Class 55 Rating, Add</i>	279.39	
40 05 19 00-1319	EA		18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,485.55	470.95
			<i>For Class 52 Rating, Deduct</i>	-194.92	
			<i>For Class 54 Rating, Add</i>	132.90	
			<i>For Class 55 Rating, Add</i>	295.39	
40 05 19 00-1320	EA		18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,584.69	473.01
			<i>For Class 52 Rating, Deduct</i>	-205.48	
			<i>For Class 54 Rating, Add</i>	140.10	
			<i>For Class 55 Rating, Add</i>	311.40	
40 05 19 00-1321	EA		18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,683.82	475.08
			<i>For Class 52 Rating, Deduct</i>	-216.04	
			<i>For Class 54 Rating, Add</i>	147.30	
			<i>For Class 55 Rating, Add</i>	327.40	
40 05 19 00-1322	EA		18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,782.96	477.15
			<i>For Class 52 Rating, Deduct</i>	-226.60	
			<i>For Class 54 Rating, Add</i>	154.50	
			<i>For Class 55 Rating, Add</i>	343.40	
40 05 19 00-1323	EA		18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,882.10	479.23
			<i>For Class 52 Rating, Deduct</i>	-237.16	
			<i>For Class 54 Rating, Add</i>	161.70	
			<i>For Class 55 Rating, Add</i>	359.41	
40 05 19 00-1324	EA		18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,981.23	481.29
			<i>For Class 52 Rating, Deduct</i>	-247.72	
			<i>For Class 54 Rating, Add</i>	168.90	
			<i>For Class 55 Rating, Add</i>	375.41	
40 05 19 00-1325	EA		18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,080.38	483.37
			<i>For Class 52 Rating, Deduct</i>	-258.28	
			<i>For Class 54 Rating, Add</i>	176.10	
			<i>For Class 55 Rating, Add</i>	391.41	
40 05 19 00-1326	EA		18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,179.51	485.44
			<i>For Class 52 Rating, Deduct</i>	-268.84	
			<i>For Class 54 Rating, Add</i>	183.30	
			<i>For Class 55 Rating, Add</i>	407.41	
40 05 19 00-1327	EA		18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,278.65	487.51
			<i>For Class 52 Rating, Deduct</i>	-279.40	
			<i>For Class 54 Rating, Add</i>	190.50	
			<i>For Class 55 Rating, Add</i>	423.42	
40 05 19 00-1328	EA		18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,377.79	489.57
			<i>For Class 52 Rating, Deduct</i>	-289.96	
			<i>For Class 54 Rating, Add</i>	197.70	
			<i>For Class 55 Rating, Add</i>	439.42	



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	40
Ductile Iron Process Pipe 40 05 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1329 EA 18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,476.93	491.65
<i>For Class 52 Rating, Deduct</i>	-300.52	
<i>For Class 54 Rating, Add</i>	204.90	
<i>For Class 55 Rating, Add</i>	455.42	
40 05 19 00-1330 EA 18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,576.07	493.72
<i>For Class 52 Rating, Deduct</i>	-311.08	
<i>For Class 54 Rating, Add</i>	212.10	
<i>For Class 55 Rating, Add</i>	471.43	
40 05 19 00-1331 EA 18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,675.20	495.79
<i>For Class 52 Rating, Deduct</i>	-321.64	
<i>For Class 54 Rating, Add</i>	219.30	
<i>For Class 55 Rating, Add</i>	487.43	
40 05 19 00-1332 EA 18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,774.34	497.86
<i>For Class 52 Rating, Deduct</i>	-332.20	
<i>For Class 54 Rating, Add</i>	226.50	
<i>For Class 55 Rating, Add</i>	503.43	
40 05 19 00-1333 EA 18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,873.48	499.94
<i>For Class 52 Rating, Deduct</i>	-342.76	
<i>For Class 54 Rating, Add</i>	233.70	
<i>For Class 55 Rating, Add</i>	519.44	
40 05 19 00-1334 EA 18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,972.62	502.01
<i>For Class 52 Rating, Deduct</i>	-353.32	
<i>For Class 54 Rating, Add</i>	240.90	
<i>For Class 55 Rating, Add</i>	535.44	
40 05 19 00-1335 EA 18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,071.75	504.07
<i>For Class 52 Rating, Deduct</i>	-363.88	
<i>For Class 54 Rating, Add</i>	248.10	
<i>For Class 55 Rating, Add</i>	551.44	
40 05 19 00-1336 EA 18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,170.90	506.14
<i>For Class 52 Rating, Deduct</i>	-374.44	
<i>For Class 54 Rating, Add</i>	255.30	
<i>For Class 55 Rating, Add</i>	567.45	
40 05 19 00-1337 EA 18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,270.03	508.22
<i>For Class 52 Rating, Deduct</i>	-385.00	
<i>For Class 54 Rating, Add</i>	262.50	
<i>For Class 55 Rating, Add</i>	583.45	
40 05 19 00-1338 EA 18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,369.16	510.29
<i>For Class 52 Rating, Deduct</i>	-395.56	
<i>For Class 54 Rating, Add</i>	269.70	
<i>For Class 55 Rating, Add</i>	599.45	
40 05 19 00-1339 EA 18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,468.31	512.36
<i>For Class 52 Rating, Deduct</i>	-406.12	
<i>For Class 54 Rating, Add</i>	276.90	
<i>For Class 55 Rating, Add</i>	615.46	
40 05 19 00-1340 EA 18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,567.44	514.44
<i>For Class 52 Rating, Deduct</i>	-416.68	
<i>For Class 54 Rating, Add</i>	284.10	
<i>For Class 55 Rating, Add</i>	631.46	
40 05 19 00-1341 EA 18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,666.58	516.51
<i>For Class 52 Rating, Deduct</i>	-427.24	
<i>For Class 54 Rating, Add</i>	291.30	
<i>For Class 55 Rating, Add</i>	647.46	
40 05 19 00-1342 EA 18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,765.72	518.57
<i>For Class 52 Rating, Deduct</i>	-437.80	
<i>For Class 54 Rating, Add</i>	298.50	
<i>For Class 55 Rating, Add</i>	663.47	
40 05 19 00-1343 EA 18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,864.86	520.64
<i>For Class 52 Rating, Deduct</i>	-448.36	
<i>For Class 54 Rating, Add</i>	305.70	
<i>For Class 55 Rating, Add</i>	679.47	
40 05 19 00-1344 EA 18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,963.99	522.72
<i>For Class 52 Rating, Deduct</i>	-458.92	
<i>For Class 54 Rating, Add</i>	312.90	
<i>For Class 55 Rating, Add</i>	695.47	
40 05 19 00-1345 EA 18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,063.14	524.78
<i>For Class 52 Rating, Deduct</i>	-469.48	
<i>For Class 54 Rating, Add</i>	320.10	
<i>For Class 55 Rating, Add</i>	711.48	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1346			20" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1347	EA		20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,618.24	511.53
			For Class 52 Rating, Deduct	-92.75	
			For Class 54 Rating, Add	63.24	
			For Class 55 Rating, Add	140.56	
40 05 19 00-1348	EA		20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,731.79	513.60
			For Class 52 Rating, Deduct	-104.90	
			For Class 54 Rating, Add	71.52	
			For Class 55 Rating, Add	158.97	
40 05 19 00-1349	EA		20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,845.32	515.67
			For Class 52 Rating, Deduct	-117.04	
			For Class 54 Rating, Add	79.80	
			For Class 55 Rating, Add	177.37	
40 05 19 00-1350	EA		20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,958.87	517.74
			For Class 52 Rating, Deduct	-129.18	
			For Class 54 Rating, Add	88.08	
			For Class 55 Rating, Add	195.77	
40 05 19 00-1351	EA		20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,072.40	519.82
			For Class 52 Rating, Deduct	-141.33	
			For Class 54 Rating, Add	96.36	
			For Class 55 Rating, Add	214.18	
40 05 19 00-1352	EA		20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,185.94	521.89
			For Class 52 Rating, Deduct	-153.47	
			For Class 54 Rating, Add	104.64	
			For Class 55 Rating, Add	232.58	
40 05 19 00-1353	EA		20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,299.48	523.96
			For Class 52 Rating, Deduct	-165.62	
			For Class 54 Rating, Add	112.92	
			For Class 55 Rating, Add	250.98	
40 05 19 00-1354	EA		20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,413.01	526.03
			For Class 52 Rating, Deduct	-177.76	
			For Class 54 Rating, Add	121.20	
			For Class 55 Rating, Add	269.39	
40 05 19 00-1355	EA		20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,526.55	528.10
			For Class 52 Rating, Deduct	-189.90	
			For Class 54 Rating, Add	129.48	
			For Class 55 Rating, Add	287.79	
40 05 19 00-1356	EA		20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,640.09	530.17
			For Class 52 Rating, Deduct	-202.05	
			For Class 54 Rating, Add	137.76	
			For Class 55 Rating, Add	306.19	
40 05 19 00-1357	EA		20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,753.63	532.24
			For Class 52 Rating, Deduct	-214.19	
			For Class 54 Rating, Add	146.04	
			For Class 55 Rating, Add	324.60	
40 05 19 00-1358	EA		20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,867.16	534.32
			For Class 52 Rating, Deduct	-226.34	
			For Class 54 Rating, Add	154.32	
			For Class 55 Rating, Add	343.00	
40 05 19 00-1359	EA		20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,980.71	536.38
			For Class 52 Rating, Deduct	-238.48	
			For Class 54 Rating, Add	162.60	
			For Class 55 Rating, Add	361.41	
40 05 19 00-1360	EA		20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,094.24	538.46
			For Class 52 Rating, Deduct	-250.62	
			For Class 54 Rating, Add	170.88	
			For Class 55 Rating, Add	379.81	
40 05 19 00-1361	EA		20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,207.78	540.52
			For Class 52 Rating, Deduct	-262.77	
			For Class 54 Rating, Add	179.16	
			For Class 55 Rating, Add	398.21	
40 05 19 00-1362	EA		20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,321.32	542.60
			For Class 52 Rating, Deduct	-274.91	
			For Class 54 Rating, Add	187.44	
			For Class 55 Rating, Add	416.62	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1363 EA 20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,434.85	544.66
<i>For Class 52 Rating, Deduct</i>	-287.06	
<i>For Class 54 Rating, Add</i>	195.72	
<i>For Class 55 Rating, Add</i>	435.02	
40 05 19 00-1364 EA 20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,548.39	546.74
<i>For Class 52 Rating, Deduct</i>	-299.20	
<i>For Class 54 Rating, Add</i>	204.00	
<i>For Class 55 Rating, Add</i>	453.42	
40 05 19 00-1365 EA 20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,661.93	548.81
<i>For Class 52 Rating, Deduct</i>	-311.34	
<i>For Class 54 Rating, Add</i>	212.28	
<i>For Class 55 Rating, Add</i>	471.83	
40 05 19 00-1366 EA 20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,775.47	550.89
<i>For Class 52 Rating, Deduct</i>	-323.49	
<i>For Class 54 Rating, Add</i>	220.56	
<i>For Class 55 Rating, Add</i>	490.23	
40 05 19 00-1367 EA 20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,889.00	552.95
<i>For Class 52 Rating, Deduct</i>	-335.63	
<i>For Class 54 Rating, Add</i>	228.84	
<i>For Class 55 Rating, Add</i>	508.64	
40 05 19 00-1368 EA 20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,002.55	555.02
<i>For Class 52 Rating, Deduct</i>	-347.78	
<i>For Class 54 Rating, Add</i>	237.12	
<i>For Class 55 Rating, Add</i>	527.04	
40 05 19 00-1369 EA 20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,116.08	557.09
<i>For Class 52 Rating, Deduct</i>	-359.92	
<i>For Class 54 Rating, Add</i>	245.40	
<i>For Class 55 Rating, Add</i>	545.44	
40 05 19 00-1370 EA 20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,229.62	559.16
<i>For Class 52 Rating, Deduct</i>	-372.06	
<i>For Class 54 Rating, Add</i>	253.68	
<i>For Class 55 Rating, Add</i>	563.85	
40 05 19 00-1371 EA 20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,343.16	561.23
<i>For Class 52 Rating, Deduct</i>	-384.21	
<i>For Class 54 Rating, Add</i>	261.96	
<i>For Class 55 Rating, Add</i>	582.25	
40 05 19 00-1372 EA 20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,456.69	563.31
<i>For Class 52 Rating, Deduct</i>	-396.35	
<i>For Class 54 Rating, Add</i>	270.24	
<i>For Class 55 Rating, Add</i>	600.65	
40 05 19 00-1373 EA 20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,570.23	565.38
<i>For Class 52 Rating, Deduct</i>	-408.50	
<i>For Class 54 Rating, Add</i>	278.52	
<i>For Class 55 Rating, Add</i>	619.06	
40 05 19 00-1374 EA 20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,683.77	567.44
<i>For Class 52 Rating, Deduct</i>	-420.64	
<i>For Class 54 Rating, Add</i>	286.80	
<i>For Class 55 Rating, Add</i>	637.46	
40 05 19 00-1375 EA 20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,797.31	569.52
<i>For Class 52 Rating, Deduct</i>	-432.78	
<i>For Class 54 Rating, Add</i>	295.08	
<i>For Class 55 Rating, Add</i>	655.86	
40 05 19 00-1376 EA 20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,910.84	571.59
<i>For Class 52 Rating, Deduct</i>	-444.93	
<i>For Class 54 Rating, Add</i>	303.36	
<i>For Class 55 Rating, Add</i>	674.27	
40 05 19 00-1377 EA 20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,024.39	573.66
<i>For Class 52 Rating, Deduct</i>	-457.07	
<i>For Class 54 Rating, Add</i>	311.64	
<i>For Class 55 Rating, Add</i>	692.67	
40 05 19 00-1378 EA 20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,137.92	575.73
<i>For Class 52 Rating, Deduct</i>	-469.22	
<i>For Class 54 Rating, Add</i>	319.92	
<i>For Class 55 Rating, Add</i>	711.08	
40 05 19 00-1379 EA 20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,251.46	577.81
<i>For Class 52 Rating, Deduct</i>	-481.36	
<i>For Class 54 Rating, Add</i>	328.20	
<i>For Class 55 Rating, Add</i>	729.48	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1380	EA		20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,365.00	579.88
			For Class 52 Rating, Deduct	-493.50	
			For Class 54 Rating, Add	336.48	
			For Class 55 Rating, Add	747.88	
40 05 19 00-1381	EA		20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,478.53	581.94
			For Class 52 Rating, Deduct	-505.65	
			For Class 54 Rating, Add	344.76	
			For Class 55 Rating, Add	766.29	
40 05 19 00-1382	EA		20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,592.07	584.01
			For Class 52 Rating, Deduct	-517.79	
			For Class 54 Rating, Add	353.04	
			For Class 55 Rating, Add	784.69	
40 05 19 00-1383	EA		20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,705.61	586.09
			For Class 52 Rating, Deduct	-529.94	
			For Class 54 Rating, Add	361.32	
			For Class 55 Rating, Add	803.09	
40 05 19 00-1384	EA		20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,819.15	588.15
			For Class 52 Rating, Deduct	-542.08	
			For Class 54 Rating, Add	369.60	
			For Class 55 Rating, Add	821.50	
40 05 19 00-1385 24" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>					
40 05 19 00-1386	EA		24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,969.05	604.73
			For Class 52 Rating, Deduct	-115.81	
			For Class 54 Rating, Add	78.96	
			For Class 55 Rating, Add	175.50	
40 05 19 00-1387	EA		24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,108.99	606.80
			For Class 52 Rating, Deduct	-130.86	
			For Class 54 Rating, Add	89.22	
			For Class 55 Rating, Add	198.31	
40 05 19 00-1388	EA		24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,248.93	608.88
			For Class 52 Rating, Deduct	-145.90	
			For Class 54 Rating, Add	99.48	
			For Class 55 Rating, Add	221.11	
40 05 19 00-1389	EA		24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,388.87	610.93
			For Class 52 Rating, Deduct	-160.95	
			For Class 54 Rating, Add	109.74	
			For Class 55 Rating, Add	243.92	
40 05 19 00-1390	EA		24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,528.80	613.01
			For Class 52 Rating, Deduct	-176.00	
			For Class 54 Rating, Add	120.00	
			For Class 55 Rating, Add	266.72	
40 05 19 00-1391	EA		24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,668.74	615.08
			For Class 52 Rating, Deduct	-191.05	
			For Class 54 Rating, Add	130.26	
			For Class 55 Rating, Add	289.52	
40 05 19 00-1392	EA		24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,808.68	617.16
			For Class 52 Rating, Deduct	-206.10	
			For Class 54 Rating, Add	140.52	
			For Class 55 Rating, Add	312.33	
40 05 19 00-1393	EA		24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,948.61	619.22
			For Class 52 Rating, Deduct	-221.14	
			For Class 54 Rating, Add	150.78	
			For Class 55 Rating, Add	335.13	
40 05 19 00-1394	EA		24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,088.56	621.30
			For Class 52 Rating, Deduct	-236.19	
			For Class 54 Rating, Add	161.04	
			For Class 55 Rating, Add	357.94	
40 05 19 00-1395	EA		24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,228.49	623.37
			For Class 52 Rating, Deduct	-251.24	
			For Class 54 Rating, Add	171.30	
			For Class 55 Rating, Add	380.74	
40 05 19 00-1396	EA		24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,368.43	625.43
			For Class 52 Rating, Deduct	-266.29	
			For Class 54 Rating, Add	181.56	
			For Class 55 Rating, Add	403.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1397 EA 24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,508.37	627.50
<i>For Class 52 Rating, Deduct</i>	-281.34	
<i>For Class 54 Rating, Add</i>	191.82	
<i>For Class 55 Rating, Add</i>	426.35	
40 05 19 00-1398 EA 24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,648.31	629.58
<i>For Class 52 Rating, Deduct</i>	-296.38	
<i>For Class 54 Rating, Add</i>	202.08	
<i>For Class 55 Rating, Add</i>	449.16	
40 05 19 00-1399 EA 24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,788.24	631.65
<i>For Class 52 Rating, Deduct</i>	-311.43	
<i>For Class 54 Rating, Add</i>	212.34	
<i>For Class 55 Rating, Add</i>	471.96	
40 05 19 00-1400 EA 24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,928.18	633.72
<i>For Class 52 Rating, Deduct</i>	-326.48	
<i>For Class 54 Rating, Add</i>	222.60	
<i>For Class 55 Rating, Add</i>	494.77	
40 05 19 00-1401 EA 24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,068.12	635.79
<i>For Class 52 Rating, Deduct</i>	-341.53	
<i>For Class 54 Rating, Add</i>	232.86	
<i>For Class 55 Rating, Add</i>	517.57	
40 05 19 00-1402 EA 24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,208.05	637.86
<i>For Class 52 Rating, Deduct</i>	-356.58	
<i>For Class 54 Rating, Add</i>	243.12	
<i>For Class 55 Rating, Add</i>	540.37	
40 05 19 00-1403 EA 24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,348.00	639.93
<i>For Class 52 Rating, Deduct</i>	-371.62	
<i>For Class 54 Rating, Add</i>	253.38	
<i>For Class 55 Rating, Add</i>	563.18	
40 05 19 00-1404 EA 24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,487.93	642.00
<i>For Class 52 Rating, Deduct</i>	-386.67	
<i>For Class 54 Rating, Add</i>	263.64	
<i>For Class 55 Rating, Add</i>	585.98	
40 05 19 00-1405 EA 24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,627.87	644.07
<i>For Class 52 Rating, Deduct</i>	-401.72	
<i>For Class 54 Rating, Add</i>	273.90	
<i>For Class 55 Rating, Add</i>	608.79	
40 05 19 00-1406 EA 24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,767.81	646.15
<i>For Class 52 Rating, Deduct</i>	-416.77	
<i>For Class 54 Rating, Add</i>	284.16	
<i>For Class 55 Rating, Add</i>	631.59	
40 05 19 00-1407 EA 24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,907.75	648.22
<i>For Class 52 Rating, Deduct</i>	-431.82	
<i>For Class 54 Rating, Add</i>	294.42	
<i>For Class 55 Rating, Add</i>	654.40	
40 05 19 00-1408 EA 24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,047.68	650.29
<i>For Class 52 Rating, Deduct</i>	-446.86	
<i>For Class 54 Rating, Add</i>	304.68	
<i>For Class 55 Rating, Add</i>	677.20	
40 05 19 00-1409 EA 24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,187.62	652.36
<i>For Class 52 Rating, Deduct</i>	-461.91	
<i>For Class 54 Rating, Add</i>	314.94	
<i>For Class 55 Rating, Add</i>	700.01	
40 05 19 00-1410 EA 24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,327.56	654.43
<i>For Class 52 Rating, Deduct</i>	-476.96	
<i>For Class 54 Rating, Add</i>	325.20	
<i>For Class 55 Rating, Add</i>	722.81	
40 05 19 00-1411 EA 24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,467.49	656.50
<i>For Class 52 Rating, Deduct</i>	-492.01	
<i>For Class 54 Rating, Add</i>	335.46	
<i>For Class 55 Rating, Add</i>	745.62	
40 05 19 00-1412 EA 24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,607.44	658.57
<i>For Class 52 Rating, Deduct</i>	-507.06	
<i>For Class 54 Rating, Add</i>	345.72	
<i>For Class 55 Rating, Add</i>	768.42	
40 05 19 00-1413 EA 24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,747.37	660.65
<i>For Class 52 Rating, Deduct</i>	-522.10	
<i>For Class 54 Rating, Add</i>	355.98	
<i>For Class 55 Rating, Add</i>	791.22	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1414	EA		24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,887.31	662.71
			For Class 52 Rating, Deduct	-537.15	
			For Class 54 Rating, Add	366.24	
			For Class 55 Rating, Add	814.03	
40 05 19 00-1415	EA		24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,080.60	699.99
			For Class 52 Rating, Deduct	-552.20	
			For Class 54 Rating, Add	376.50	
			For Class 55 Rating, Add	836.83	
40 05 19 00-1416	EA		24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,220.53	702.06
			For Class 52 Rating, Deduct	-567.25	
			For Class 54 Rating, Add	386.76	
			For Class 55 Rating, Add	859.64	
40 05 19 00-1417	EA		24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,360.47	704.14
			For Class 52 Rating, Deduct	-582.30	
			For Class 54 Rating, Add	397.02	
			For Class 55 Rating, Add	882.44	
40 05 19 00-1418	EA		24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,500.41	706.21
			For Class 52 Rating, Deduct	-597.34	
			For Class 54 Rating, Add	407.28	
			For Class 55 Rating, Add	905.25	
40 05 19 00-1419	EA		24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,640.34	708.27
			For Class 52 Rating, Deduct	-612.39	
			For Class 54 Rating, Add	417.54	
			For Class 55 Rating, Add	928.05	
40 05 19 00-1420	EA		24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,780.28	710.34
			For Class 52 Rating, Deduct	-627.44	
			For Class 54 Rating, Add	427.80	
			For Class 55 Rating, Add	950.86	
40 05 19 00-1421	EA		24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,920.22	712.42
			For Class 52 Rating, Deduct	-642.49	
			For Class 54 Rating, Add	438.06	
			For Class 55 Rating, Add	973.66	
40 05 19 00-1422	EA		24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,060.16	714.48
			For Class 52 Rating, Deduct	-657.54	
			For Class 54 Rating, Add	448.32	
			For Class 55 Rating, Add	996.47	
40 05 19 00-1423	EA		24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,200.09	716.56
			For Class 52 Rating, Deduct	-672.58	
			For Class 54 Rating, Add	458.58	
			For Class 55 Rating, Add	1,019.27	
40 05 19 00-1424			30" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1425	EA		30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,956.79	853.25
			For Class 52 Rating, Deduct	-183.04	
			For Class 54 Rating, Add	124.80	
			For Class 55 Rating, Add	277.39	
40 05 19 00-1426	EA		30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,157.53	855.31
			For Class 52 Rating, Deduct	-204.78	
			For Class 54 Rating, Add	139.62	
			For Class 55 Rating, Add	310.33	
40 05 19 00-1427	EA		30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,358.27	857.39
			For Class 52 Rating, Deduct	-226.51	
			For Class 54 Rating, Add	154.44	
			For Class 55 Rating, Add	343.27	
40 05 19 00-1428	EA		30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,559.01	859.46
			For Class 52 Rating, Deduct	-248.25	
			For Class 54 Rating, Add	169.26	
			For Class 55 Rating, Add	376.21	
40 05 19 00-1429	EA		30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,759.74	861.54
			For Class 52 Rating, Deduct	-269.98	
			For Class 54 Rating, Add	184.08	
			For Class 55 Rating, Add	409.15	
40 05 19 00-1430	EA		30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,960.49	863.59
			For Class 52 Rating, Deduct	-291.72	
			For Class 54 Rating, Add	198.90	
			For Class 55 Rating, Add	442.09	



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	40
Ductile Iron Process Pipe 40 05 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1431 EA 30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,161.22	865.67
<i>For Class 52 Rating, Deduct</i>	-313.46	
<i>For Class 54 Rating, Add</i>	213.72	
<i>For Class 55 Rating, Add</i>	475.03	
40 05 19 00-1432 EA 30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,361.95	867.74
<i>For Class 52 Rating, Deduct</i>	-335.19	
<i>For Class 54 Rating, Add</i>	228.54	
<i>For Class 55 Rating, Add</i>	507.97	
40 05 19 00-1433 EA 30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,562.70	869.81
<i>For Class 52 Rating, Deduct</i>	-356.93	
<i>For Class 54 Rating, Add</i>	243.36	
<i>For Class 55 Rating, Add</i>	540.91	
40 05 19 00-1434 EA 30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,763.43	871.88
<i>For Class 52 Rating, Deduct</i>	-378.66	
<i>For Class 54 Rating, Add</i>	258.18	
<i>For Class 55 Rating, Add</i>	573.85	
40 05 19 00-1435 EA 30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,964.17	873.96
<i>For Class 52 Rating, Deduct</i>	-400.40	
<i>For Class 54 Rating, Add</i>	273.00	
<i>For Class 55 Rating, Add</i>	606.79	
40 05 19 00-1436 EA 30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,164.91	876.02
<i>For Class 52 Rating, Deduct</i>	-422.14	
<i>For Class 54 Rating, Add</i>	287.82	
<i>For Class 55 Rating, Add</i>	639.73	
40 05 19 00-1437 EA 30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,365.65	878.09
<i>For Class 52 Rating, Deduct</i>	-443.87	
<i>For Class 54 Rating, Add</i>	302.64	
<i>For Class 55 Rating, Add</i>	672.67	
40 05 19 00-1438 EA 30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,566.38	880.16
<i>For Class 52 Rating, Deduct</i>	-465.61	
<i>For Class 54 Rating, Add</i>	317.46	
<i>For Class 55 Rating, Add</i>	705.61	
40 05 19 00-1439 EA 30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,767.13	882.24
<i>For Class 52 Rating, Deduct</i>	-487.34	
<i>For Class 54 Rating, Add</i>	332.28	
<i>For Class 55 Rating, Add</i>	738.55	
40 05 19 00-1440 EA 30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,967.86	884.31
<i>For Class 52 Rating, Deduct</i>	-509.08	
<i>For Class 54 Rating, Add</i>	347.10	
<i>For Class 55 Rating, Add</i>	771.49	
40 05 19 00-1441 EA 30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,168.59	886.38
<i>For Class 52 Rating, Deduct</i>	-530.82	
<i>For Class 54 Rating, Add</i>	361.92	
<i>For Class 55 Rating, Add</i>	804.43	
40 05 19 00-1442 EA 30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,369.34	888.46
<i>For Class 52 Rating, Deduct</i>	-552.55	
<i>For Class 54 Rating, Add</i>	376.74	
<i>For Class 55 Rating, Add</i>	837.37	
40 05 19 00-1443 EA 30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,570.07	890.52
<i>For Class 52 Rating, Deduct</i>	-574.29	
<i>For Class 54 Rating, Add</i>	391.56	
<i>For Class 55 Rating, Add</i>	870.31	
40 05 19 00-1444 EA 30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,770.81	892.59
<i>For Class 52 Rating, Deduct</i>	-596.02	
<i>For Class 54 Rating, Add</i>	406.38	
<i>For Class 55 Rating, Add</i>	903.25	
40 05 19 00-1445 EA 30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,971.55	894.66
<i>For Class 52 Rating, Deduct</i>	-617.76	
<i>For Class 54 Rating, Add</i>	421.20	
<i>For Class 55 Rating, Add</i>	936.19	
40 05 19 00-1446 EA 30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,172.29	896.74
<i>For Class 52 Rating, Deduct</i>	-639.50	
<i>For Class 54 Rating, Add</i>	436.02	
<i>For Class 55 Rating, Add</i>	969.13	
40 05 19 00-1447 EA 30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,373.02	898.80
<i>For Class 52 Rating, Deduct</i>	-661.23	
<i>For Class 54 Rating, Add</i>	450.84	
<i>For Class 55 Rating, Add</i>	1,002.07	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1448	EA		30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,573.77	900.88
			For Class 52 Rating, Deduct	-682.97	
			For Class 54 Rating, Add	465.66	
			For Class 55 Rating, Add	1,035.01	
40 05 19 00-1449	EA		30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,774.50	902.95
			For Class 52 Rating, Deduct	-704.70	
			For Class 54 Rating, Add	480.48	
			For Class 55 Rating, Add	1,067.95	
40 05 19 00-1450	EA		30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,975.23	905.02
			For Class 52 Rating, Deduct	-726.44	
			For Class 54 Rating, Add	495.30	
			For Class 55 Rating, Add	1,100.89	
40 05 19 00-1451	EA		30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,175.98	907.08
			For Class 52 Rating, Deduct	-748.18	
			For Class 54 Rating, Add	510.12	
			For Class 55 Rating, Add	1,133.83	
40 05 19 00-1452	EA		30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,376.71	909.16
			For Class 52 Rating, Deduct	-769.91	
			For Class 54 Rating, Add	524.94	
			For Class 55 Rating, Add	1,166.77	
40 05 19 00-1453	EA		30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,577.46	911.23
			For Class 52 Rating, Deduct	-791.65	
			For Class 54 Rating, Add	539.76	
			For Class 55 Rating, Add	1,199.71	
40 05 19 00-1454	EA		30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,778.19	913.31
			For Class 52 Rating, Deduct	-813.38	
			For Class 54 Rating, Add	554.58	
			For Class 55 Rating, Add	1,232.65	
40 05 19 00-1455	EA		30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,978.93	915.37
			For Class 52 Rating, Deduct	-835.12	
			For Class 54 Rating, Add	569.40	
			For Class 55 Rating, Add	1,265.59	
40 05 19 00-1456	EA		30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,179.67	917.45
			For Class 52 Rating, Deduct	-856.86	
			For Class 54 Rating, Add	584.22	
			For Class 55 Rating, Add	1,298.53	
40 05 19 00-1457	EA		30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,380.41	919.51
			For Class 52 Rating, Deduct	-878.59	
			For Class 54 Rating, Add	599.04	
			For Class 55 Rating, Add	1,331.47	
40 05 19 00-1458	EA		30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,581.14	921.58
			For Class 52 Rating, Deduct	-900.33	
			For Class 54 Rating, Add	613.86	
			For Class 55 Rating, Add	1,364.41	
40 05 19 00-1459	EA		30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,781.88	923.66
			For Class 52 Rating, Deduct	-922.06	
			For Class 54 Rating, Add	628.68	
			For Class 55 Rating, Add	1,397.35	
40 05 19 00-1460	EA		30" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,982.62	925.73
			For Class 52 Rating, Deduct	-943.80	
			For Class 54 Rating, Add	643.50	
			For Class 55 Rating, Add	1,430.29	
40 05 19 00-1461	EA		30" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,183.35	927.80
			For Class 52 Rating, Deduct	-965.54	
			For Class 54 Rating, Add	658.32	
			For Class 55 Rating, Add	1,463.23	
40 05 19 00-1462	EA		30" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,384.10	929.87
			For Class 52 Rating, Deduct	-987.27	
			For Class 54 Rating, Add	673.14	
			For Class 55 Rating, Add	1,496.17	
40 05 19 00-1463			36" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
			<small>(40 05 19 00-1028)</small>		
40 05 19 00-1464	EA		36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,007.56	1,081.05
			For Class 52 Rating, Deduct	-260.66	
			For Class 54 Rating, Add	177.72	
			For Class 55 Rating, Add	395.01	



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	40
Ductile Iron Process Pipe 40 05 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1465 EA 36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,279.50	1,083.13
<i>For Class 52 Rating, Deduct</i>	-290.22	
<i>For Class 54 Rating, Add</i>	197.88	
<i>For Class 55 Rating, Add</i>	439.82	
40 05 19 00-1466 EA 36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,551.43	1,085.20
<i>For Class 52 Rating, Deduct</i>	-319.79	
<i>For Class 54 Rating, Add</i>	218.04	
<i>For Class 55 Rating, Add</i>	484.63	
40 05 19 00-1467 EA 36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,823.37	1,087.26
<i>For Class 52 Rating, Deduct</i>	-349.36	
<i>For Class 54 Rating, Add</i>	238.20	
<i>For Class 55 Rating, Add</i>	529.44	
40 05 19 00-1468 EA 36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,095.31	1,089.34
<i>For Class 52 Rating, Deduct</i>	-378.93	
<i>For Class 54 Rating, Add</i>	258.36	
<i>For Class 55 Rating, Add</i>	574.25	
40 05 19 00-1469 EA 36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,367.24	1,091.40
<i>For Class 52 Rating, Deduct</i>	-408.50	
<i>For Class 54 Rating, Add</i>	278.52	
<i>For Class 55 Rating, Add</i>	619.06	
40 05 19 00-1470 EA 36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,639.19	1,093.48
<i>For Class 52 Rating, Deduct</i>	-438.06	
<i>For Class 54 Rating, Add</i>	298.68	
<i>For Class 55 Rating, Add</i>	663.87	
40 05 19 00-1471 EA 36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,911.12	1,095.55
<i>For Class 52 Rating, Deduct</i>	-467.63	
<i>For Class 54 Rating, Add</i>	318.84	
<i>For Class 55 Rating, Add</i>	708.68	
40 05 19 00-1472 EA 36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,183.06	1,097.63
<i>For Class 52 Rating, Deduct</i>	-497.20	
<i>For Class 54 Rating, Add</i>	339.00	
<i>For Class 55 Rating, Add</i>	753.48	
40 05 19 00-1473 EA 36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,455.00	1,099.68
<i>For Class 52 Rating, Deduct</i>	-526.77	
<i>For Class 54 Rating, Add</i>	359.16	
<i>For Class 55 Rating, Add</i>	798.29	
40 05 19 00-1474 EA 36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,726.94	1,101.76
<i>For Class 52 Rating, Deduct</i>	-556.34	
<i>For Class 54 Rating, Add</i>	379.32	
<i>For Class 55 Rating, Add</i>	843.10	
40 05 19 00-1475 EA 36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,998.87	1,103.83
<i>For Class 52 Rating, Deduct</i>	-585.90	
<i>For Class 54 Rating, Add</i>	399.48	
<i>For Class 55 Rating, Add</i>	887.91	
40 05 19 00-1476 EA 36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,270.81	1,105.90
<i>For Class 52 Rating, Deduct</i>	-615.47	
<i>For Class 54 Rating, Add</i>	419.64	
<i>For Class 55 Rating, Add</i>	932.72	
40 05 19 00-1477 EA 36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,542.75	1,107.97
<i>For Class 52 Rating, Deduct</i>	-645.04	
<i>For Class 54 Rating, Add</i>	439.80	
<i>For Class 55 Rating, Add</i>	977.53	
40 05 19 00-1478 EA 36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,814.68	1,110.05
<i>For Class 52 Rating, Deduct</i>	-674.61	
<i>For Class 54 Rating, Add</i>	459.96	
<i>For Class 55 Rating, Add</i>	1,022.34	
40 05 19 00-1479 EA 36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,086.63	1,112.12
<i>For Class 52 Rating, Deduct</i>	-704.18	
<i>For Class 54 Rating, Add</i>	480.12	
<i>For Class 55 Rating, Add</i>	1,067.15	
40 05 19 00-1480 EA 36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,358.56	1,114.18
<i>For Class 52 Rating, Deduct</i>	-733.74	
<i>For Class 54 Rating, Add</i>	500.28	
<i>For Class 55 Rating, Add</i>	1,111.96	
40 05 19 00-1481 EA 36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,630.50	1,116.25
<i>For Class 52 Rating, Deduct</i>	-763.31	
<i>For Class 54 Rating, Add</i>	520.44	
<i>For Class 55 Rating, Add</i>	1,156.76	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1482	EA		36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,902.44	1,118.33
			For Class 52 Rating, Deduct	-792.88	
			For Class 54 Rating, Add	540.60	
			For Class 55 Rating, Add	1,201.57	
40 05 19 00-1483	EA		36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,174.37	1,120.40
			For Class 52 Rating, Deduct	-822.45	
			For Class 54 Rating, Add	560.76	
			For Class 55 Rating, Add	1,246.38	
40 05 19 00-1484	EA		36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,446.31	1,122.47
			For Class 52 Rating, Deduct	-852.02	
			For Class 54 Rating, Add	580.92	
			For Class 55 Rating, Add	1,291.19	
40 05 19 00-1485	EA		36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,718.25	1,124.54
			For Class 52 Rating, Deduct	-881.58	
			For Class 54 Rating, Add	601.08	
			For Class 55 Rating, Add	1,336.00	
40 05 19 00-1486	EA		36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,990.19	1,126.62
			For Class 52 Rating, Deduct	-911.15	
			For Class 54 Rating, Add	621.24	
			For Class 55 Rating, Add	1,380.81	
40 05 19 00-1487	EA		36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,262.12	1,128.68
			For Class 52 Rating, Deduct	-940.72	
			For Class 54 Rating, Add	641.40	
			For Class 55 Rating, Add	1,425.62	
40 05 19 00-1488	EA		36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,534.07	1,130.75
			For Class 52 Rating, Deduct	-970.29	
			For Class 54 Rating, Add	661.56	
			For Class 55 Rating, Add	1,470.43	
40 05 19 00-1489	EA		36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,806.00	1,132.83
			For Class 52 Rating, Deduct	-999.86	
			For Class 54 Rating, Add	681.72	
			For Class 55 Rating, Add	1,515.24	
40 05 19 00-1490	EA		36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,077.94	1,134.90
			For Class 52 Rating, Deduct	-1,029.42	
			For Class 54 Rating, Add	701.88	
			For Class 55 Rating, Add	1,560.05	
40 05 19 00-1491	EA		36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,349.88	1,136.97
			For Class 52 Rating, Deduct	-1,058.99	
			For Class 54 Rating, Add	722.04	
			For Class 55 Rating, Add	1,604.85	
40 05 19 00-1492	EA		36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,621.81	1,139.04
			For Class 52 Rating, Deduct	-1,088.56	
			For Class 54 Rating, Add	742.20	
			For Class 55 Rating, Add	1,649.66	
40 05 19 00-1493	EA		36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,893.75	1,141.12
			For Class 52 Rating, Deduct	-1,118.13	
			For Class 54 Rating, Add	762.36	
			For Class 55 Rating, Add	1,694.47	
40 05 19 00-1494	EA		36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,165.69	1,143.17
			For Class 52 Rating, Deduct	-1,147.70	
			For Class 54 Rating, Add	782.52	
			For Class 55 Rating, Add	1,739.28	
40 05 19 00-1495	EA		36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,437.63	1,145.25
			For Class 52 Rating, Deduct	-1,177.26	
			For Class 54 Rating, Add	802.68	
			For Class 55 Rating, Add	1,784.09	
40 05 19 00-1496	EA		36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,709.57	1,147.32
			For Class 52 Rating, Deduct	-1,206.83	
			For Class 54 Rating, Add	822.84	
			For Class 55 Rating, Add	1,828.90	
40 05 19 00-1497	EA		36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,981.51	1,149.40
			For Class 52 Rating, Deduct	-1,236.40	
			For Class 54 Rating, Add	843.00	
			For Class 55 Rating, Add	1,873.71	
40 05 19 00-1498	EA		36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,253.44	1,151.46
			For Class 52 Rating, Deduct	-1,265.97	
			For Class 54 Rating, Add	863.16	
			For Class 55 Rating, Add	1,918.52	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1499 EA 36" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,525.39	1,153.54
<i>For Class 52 Rating, Deduct</i>	-1,295.54	
<i>For Class 54 Rating, Add</i>	883.32	
<i>For Class 55 Rating, Add</i>	1,963.33	
40 05 19 00-1500 EA 36" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,797.32	1,155.61
<i>For Class 52 Rating, Deduct</i>	-1,325.10	
<i>For Class 54 Rating, Add</i>	903.48	
<i>For Class 55 Rating, Add</i>	2,008.13	
40 05 19 00-1501 EA 36" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,069.25	1,157.67
<i>For Class 52 Rating, Deduct</i>	-1,354.67	
<i>For Class 54 Rating, Add</i>	923.64	
<i>For Class 55 Rating, Add</i>	2,052.94	
40 05 19 00-1502 42" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
<small>(40 05 19 00-1028)</small>		
40 05 19 00-1503 EA 42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,241.50	1,362.71
<i>For Class 52 Rating, Deduct</i>	-349.45	
<i>For Class 54 Rating, Add</i>	238.26	
<i>For Class 55 Rating, Add</i>	529.57	
40 05 19 00-1504 EA 42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,646.24	1,364.78
<i>For Class 52 Rating, Deduct</i>	-393.62	
<i>For Class 54 Rating, Add</i>	268.38	
<i>For Class 55 Rating, Add</i>	596.52	
40 05 19 00-1505 EA 42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,046.18	1,366.84
<i>For Class 52 Rating, Deduct</i>	-437.27	
<i>For Class 54 Rating, Add</i>	298.14	
<i>For Class 55 Rating, Add</i>	662.67	
40 05 19 00-1506 EA 42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,450.12	1,368.92
<i>For Class 52 Rating, Deduct</i>	-481.36	
<i>For Class 54 Rating, Add</i>	328.20	
<i>For Class 55 Rating, Add</i>	729.48	
40 05 19 00-1507 EA 42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,850.05	1,370.99
<i>For Class 52 Rating, Deduct</i>	-525.01	
<i>For Class 54 Rating, Add</i>	357.96	
<i>For Class 55 Rating, Add</i>	795.63	
40 05 19 00-1508 EA 42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,254.79	1,373.06
<i>For Class 52 Rating, Deduct</i>	-569.18	
<i>For Class 54 Rating, Add</i>	388.08	
<i>For Class 55 Rating, Add</i>	862.57	
40 05 19 00-1509 EA 42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,653.93	1,375.13
<i>For Class 52 Rating, Deduct</i>	-612.74	
<i>For Class 54 Rating, Add</i>	417.78	
<i>For Class 55 Rating, Add</i>	928.59	
40 05 19 00-1510 EA 42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,058.66	1,377.21
<i>For Class 52 Rating, Deduct</i>	-656.92	
<i>For Class 54 Rating, Add</i>	447.90	
<i>For Class 55 Rating, Add</i>	995.53	
40 05 19 00-1511 EA 42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,458.61	1,379.28
<i>For Class 52 Rating, Deduct</i>	-700.57	
<i>For Class 54 Rating, Add</i>	477.66	
<i>For Class 55 Rating, Add</i>	1,061.68	
40 05 19 00-1512 EA 42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,862.54	1,381.34
<i>For Class 52 Rating, Deduct</i>	-744.66	
<i>For Class 54 Rating, Add</i>	507.72	
<i>For Class 55 Rating, Add</i>	1,128.49	
40 05 19 00-1513 EA 42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,262.48	1,383.41
<i>For Class 52 Rating, Deduct</i>	-788.30	
<i>For Class 54 Rating, Add</i>	537.48	
<i>For Class 55 Rating, Add</i>	1,194.64	
40 05 19 00-1514 EA 42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,666.42	1,385.49
<i>For Class 52 Rating, Deduct</i>	-832.39	
<i>For Class 54 Rating, Add</i>	567.54	
<i>For Class 55 Rating, Add</i>	1,261.45	
40 05 19 00-1515 EA 42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,066.36	1,387.55
<i>For Class 52 Rating, Deduct</i>	-876.04	
<i>For Class 54 Rating, Add</i>	597.30	
<i>For Class 55 Rating, Add</i>	1,327.60	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1516	EA		42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,467.10	1,389.63
			For Class 52 Rating, Deduct	-919.78	
			For Class 54 Rating, Add	627.12	
			For Class 55 Rating, Add	1,393.88	
40 05 19 00-1517	EA		42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,870.23	1,391.70
			For Class 52 Rating, Deduct	-963.78	
			For Class 54 Rating, Add	657.12	
			For Class 55 Rating, Add	1,460.56	
40 05 19 00-1518	EA		42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,270.17	1,393.78
			For Class 52 Rating, Deduct	-1,007.42	
			For Class 54 Rating, Add	686.88	
			For Class 55 Rating, Add	1,526.71	
40 05 19 00-1519	EA		42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,674.91	1,395.83
			For Class 52 Rating, Deduct	-1,051.60	
			For Class 54 Rating, Add	717.00	
			For Class 55 Rating, Add	1,593.65	
40 05 19 00-1520	EA		42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,074.85	1,397.91
			For Class 52 Rating, Deduct	-1,095.25	
			For Class 54 Rating, Add	746.76	
			For Class 55 Rating, Add	1,659.80	
40 05 19 00-1521	EA		42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,478.78	1,399.98
			For Class 52 Rating, Deduct	-1,139.34	
			For Class 54 Rating, Add	776.82	
			For Class 55 Rating, Add	1,726.61	
40 05 19 00-1522	EA		42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,878.73	1,402.05
			For Class 52 Rating, Deduct	-1,182.98	
			For Class 54 Rating, Add	806.58	
			For Class 55 Rating, Add	1,792.76	
40 05 19 00-1523	EA		42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,283.46	1,404.12
			For Class 52 Rating, Deduct	-1,227.16	
			For Class 54 Rating, Add	836.70	
			For Class 55 Rating, Add	1,859.71	
40 05 19 00-1524	EA		42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,683.40	1,406.20
			For Class 52 Rating, Deduct	-1,270.81	
			For Class 54 Rating, Add	866.46	
			For Class 55 Rating, Add	1,925.85	
40 05 19 00-1525	EA		42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,087.34	1,408.26
			For Class 52 Rating, Deduct	-1,314.90	
			For Class 54 Rating, Add	896.52	
			For Class 55 Rating, Add	1,992.67	
40 05 19 00-1526	EA		42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,487.27	1,410.33
			For Class 52 Rating, Deduct	-1,358.54	
			For Class 54 Rating, Add	926.28	
			For Class 55 Rating, Add	2,058.81	
40 05 19 00-1527	EA		42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,892.01	1,412.41
			For Class 52 Rating, Deduct	-1,402.72	
			For Class 54 Rating, Add	956.40	
			For Class 55 Rating, Add	2,125.76	
40 05 19 00-1528	EA		42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,291.95	1,414.48
			For Class 52 Rating, Deduct	-1,446.37	
			For Class 54 Rating, Add	986.16	
			For Class 55 Rating, Add	2,191.90	
40 05 19 00-1529	EA		42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,695.09	1,416.55
			For Class 52 Rating, Deduct	-1,490.37	
			For Class 54 Rating, Add	1,016.16	
			For Class 55 Rating, Add	2,258.58	
40 05 19 00-1530	EA		42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,095.82	1,418.62
			For Class 52 Rating, Deduct	-1,534.10	
			For Class 54 Rating, Add	1,045.98	
			For Class 55 Rating, Add	2,324.86	
40 05 19 00-1531	EA		42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,415.77	1,420.70
			For Class 52 Rating, Deduct	-1,568.95	
			For Class 54 Rating, Add	1,069.74	
			For Class 55 Rating, Add	2,377.68	
40 05 19 00-1532	EA		42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,899.70	1,422.76
			For Class 52 Rating, Deduct	-1,621.84	
			For Class 54 Rating, Add	1,105.80	
			For Class 55 Rating, Add	2,457.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1533 EA 42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,299.64	1,424.83
<i>For Class 52 Rating, Deduct</i>	-1,665.49	
<i>For Class 54 Rating, Add</i>	1,135.56	
<i>For Class 55 Rating, Add</i>	2,523.97	
40 05 19 00-1534 EA 42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,703.58	1,426.90
<i>For Class 52 Rating, Deduct</i>	-1,709.58	
<i>For Class 54 Rating, Add</i>	1,165.62	
<i>For Class 55 Rating, Add</i>	2,590.78	
40 05 19 00-1535 EA 42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,103.51	1,428.98
<i>For Class 52 Rating, Deduct</i>	-1,753.22	
<i>For Class 54 Rating, Add</i>	1,195.38	
<i>For Class 55 Rating, Add</i>	2,656.93	
40 05 19 00-1536 EA 42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,508.25	1,431.05
<i>For Class 52 Rating, Deduct</i>	-1,797.40	
<i>For Class 54 Rating, Add</i>	1,225.50	
<i>For Class 55 Rating, Add</i>	2,723.88	
40 05 19 00-1537 EA 42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,907.39	1,433.12
<i>For Class 52 Rating, Deduct</i>	-1,840.96	
<i>For Class 54 Rating, Add</i>	1,255.20	
<i>For Class 55 Rating, Add</i>	2,789.89	
40 05 19 00-1538 EA 42" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,312.13	1,435.19
<i>For Class 52 Rating, Deduct</i>	-1,885.14	
<i>For Class 54 Rating, Add</i>	1,285.32	
<i>For Class 55 Rating, Add</i>	2,856.84	
40 05 19 00-1539 EA 42" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,712.06	1,437.26
<i>For Class 52 Rating, Deduct</i>	-1,928.78	
<i>For Class 54 Rating, Add</i>	1,315.08	
<i>For Class 55 Rating, Add</i>	2,922.98	
40 05 19 00-1540 EA 42" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,116.01	1,439.32
<i>For Class 52 Rating, Deduct</i>	-1,972.87	
<i>For Class 54 Rating, Add</i>	1,345.14	
<i>For Class 55 Rating, Add</i>	2,989.80	
40 05 19 00-1541 48" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
<small>(40 05 19 00-1028)</small>		
40 05 19 00-1542 EA 48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,726.20	1,712.70
<i>For Class 52 Rating, Deduct</i>	-454.43	
<i>For Class 54 Rating, Add</i>	309.84	
<i>For Class 55 Rating, Add</i>	688.67	
40 05 19 00-1543 EA 48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,314.14	1,714.77
<i>For Class 52 Rating, Deduct</i>	-518.76	
<i>For Class 54 Rating, Add</i>	353.70	
<i>For Class 55 Rating, Add</i>	786.16	
40 05 19 00-1544 EA 48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,901.28	1,716.84
<i>For Class 52 Rating, Deduct</i>	-583.00	
<i>For Class 54 Rating, Add</i>	397.50	
<i>For Class 55 Rating, Add</i>	883.51	
40 05 19 00-1545 EA 48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,493.21	1,718.91
<i>For Class 52 Rating, Deduct</i>	-647.77	
<i>For Class 54 Rating, Add</i>	441.66	
<i>For Class 55 Rating, Add</i>	981.66	
40 05 19 00-1546 EA 48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,081.15	1,720.98
<i>For Class 52 Rating, Deduct</i>	-712.10	
<i>For Class 54 Rating, Add</i>	485.52	
<i>For Class 55 Rating, Add</i>	1,079.15	
40 05 19 00-1547 EA 48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,669.09	1,723.05
<i>For Class 52 Rating, Deduct</i>	-776.42	
<i>For Class 54 Rating, Add</i>	529.38	
<i>For Class 55 Rating, Add</i>	1,176.64	
40 05 19 00-1548 EA 48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,260.23	1,725.13
<i>For Class 52 Rating, Deduct</i>	-841.10	
<i>For Class 54 Rating, Add</i>	573.48	
<i>For Class 55 Rating, Add</i>	1,274.65	
40 05 19 00-1549 EA 48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,848.96	1,727.20
<i>For Class 52 Rating, Deduct</i>	-905.52	
<i>For Class 54 Rating, Add</i>	617.40	
<i>For Class 55 Rating, Add</i>	1,372.27	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1550	EA		48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,436.11	1,729.27
			<i>For Class 52 Rating, Deduct</i>	-969.76	
			<i>For Class 54 Rating, Add</i>	661.20	
			<i>For Class 55 Rating, Add</i>	1,469.63	
40 05 19 00-1551	EA		48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,028.04	1,731.34
			<i>For Class 52 Rating, Deduct</i>	-1,034.53	
			<i>For Class 54 Rating, Add</i>	705.36	
			<i>For Class 55 Rating, Add</i>	1,567.78	
40 05 19 00-1552	EA		48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,615.98	1,733.41
			<i>For Class 52 Rating, Deduct</i>	-1,098.86	
			<i>For Class 54 Rating, Add</i>	749.22	
			<i>For Class 55 Rating, Add</i>	1,665.27	
40 05 19 00-1553	EA		48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,207.92	1,735.48
			<i>For Class 52 Rating, Deduct</i>	-1,163.62	
			<i>For Class 54 Rating, Add</i>	793.38	
			<i>For Class 55 Rating, Add</i>	1,763.42	
40 05 19 00-1554	EA		48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,795.05	1,737.55
			<i>For Class 52 Rating, Deduct</i>	-1,227.86	
			<i>For Class 54 Rating, Add</i>	837.18	
			<i>For Class 55 Rating, Add</i>	1,860.77	
40 05 19 00-1555	EA		48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,382.99	1,739.63
			<i>For Class 52 Rating, Deduct</i>	-1,292.19	
			<i>For Class 54 Rating, Add</i>	881.04	
			<i>For Class 55 Rating, Add</i>	1,958.26	
40 05 19 00-1556	EA		48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,974.93	1,741.70
			<i>For Class 52 Rating, Deduct</i>	-1,356.96	
			<i>For Class 54 Rating, Add</i>	925.20	
			<i>For Class 55 Rating, Add</i>	2,056.41	
40 05 19 00-1557	EA		48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,562.87	1,743.77
			<i>For Class 52 Rating, Deduct</i>	-1,421.29	
			<i>For Class 54 Rating, Add</i>	969.06	
			<i>For Class 55 Rating, Add</i>	2,153.90	
40 05 19 00-1558	EA		48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,150.00	1,745.83
			<i>For Class 52 Rating, Deduct</i>	-1,485.53	
			<i>For Class 54 Rating, Add</i>	1,012.86	
			<i>For Class 55 Rating, Add</i>	2,251.25	
40 05 19 00-1559	EA		48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,741.95	1,747.91
			<i>For Class 52 Rating, Deduct</i>	-1,550.30	
			<i>For Class 54 Rating, Add</i>	1,057.02	
			<i>For Class 55 Rating, Add</i>	2,349.40	
40 05 19 00-1560	EA		48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,329.88	1,749.97
			<i>For Class 52 Rating, Deduct</i>	-1,614.62	
			<i>For Class 54 Rating, Add</i>	1,100.88	
			<i>For Class 55 Rating, Add</i>	2,446.89	
40 05 19 00-1561	EA		48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,917.01	1,752.05
			<i>For Class 52 Rating, Deduct</i>	-1,678.86	
			<i>For Class 54 Rating, Add</i>	1,144.68	
			<i>For Class 55 Rating, Add</i>	2,544.24	
40 05 19 00-1562	EA		48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,508.96	1,754.12
			<i>For Class 52 Rating, Deduct</i>	-1,743.63	
			<i>For Class 54 Rating, Add</i>	1,188.84	
			<i>For Class 55 Rating, Add</i>	2,642.40	
40 05 19 00-1563	EA		48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,097.69	1,756.20
			<i>For Class 52 Rating, Deduct</i>	-1,808.05	
			<i>For Class 54 Rating, Add</i>	1,232.76	
			<i>For Class 55 Rating, Add</i>	2,740.01	
40 05 19 00-1564	EA		48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,684.83	1,758.25
			<i>For Class 52 Rating, Deduct</i>	-1,872.29	
			<i>For Class 54 Rating, Add</i>	1,276.56	
			<i>For Class 55 Rating, Add</i>	2,837.37	
40 05 19 00-1565	EA		48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,276.77	1,760.33
			<i>For Class 52 Rating, Deduct</i>	-1,937.06	
			<i>For Class 54 Rating, Add</i>	1,320.72	
			<i>For Class 55 Rating, Add</i>	2,935.52	
40 05 19 00-1566	EA		48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,864.71	1,762.40
			<i>For Class 52 Rating, Deduct</i>	-2,001.38	
			<i>For Class 54 Rating, Add</i>	1,364.58	
			<i>For Class 55 Rating, Add</i>	3,033.01	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1567 EA 48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,451.84	1,764.47
<i>For Class 52 Rating, Deduct</i>	-2,065.62	
<i>For Class 54 Rating, Add</i>	1,408.38	
<i>For Class 55 Rating, Add</i>	3,130.36	
40 05 19 00-1568 EA 48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,043.79	1,766.54
<i>For Class 52 Rating, Deduct</i>	-2,130.39	
<i>For Class 54 Rating, Add</i>	1,452.54	
<i>For Class 55 Rating, Add</i>	3,228.51	
40 05 19 00-1569 EA 48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,631.72	1,768.62
<i>For Class 52 Rating, Deduct</i>	-2,194.72	
<i>For Class 54 Rating, Add</i>	1,496.40	
<i>For Class 55 Rating, Add</i>	3,326.00	
40 05 19 00-1570 EA 48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,147.65	1,770.69
<i>For Class 52 Rating, Deduct</i>	-2,251.13	
<i>For Class 54 Rating, Add</i>	1,534.86	
<i>For Class 55 Rating, Add</i>	3,411.48	
40 05 19 00-1571 EA 48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,811.60	1,772.75
<i>For Class 52 Rating, Deduct</i>	-2,323.82	
<i>For Class 54 Rating, Add</i>	1,584.42	
<i>For Class 55 Rating, Add</i>	3,521.64	
40 05 19 00-1572 EA 48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,398.73	1,774.83
<i>For Class 52 Rating, Deduct</i>	-2,388.06	
<i>For Class 54 Rating, Add</i>	1,628.22	
<i>For Class 55 Rating, Add</i>	3,618.99	
40 05 19 00-1573 EA 48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,991.47	1,776.90
<i>For Class 52 Rating, Deduct</i>	-2,452.91	
<i>For Class 54 Rating, Add</i>	1,672.44	
<i>For Class 55 Rating, Add</i>	3,717.28	
40 05 19 00-1574 EA 48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,578.61	1,778.97
<i>For Class 52 Rating, Deduct</i>	-2,517.15	
<i>For Class 54 Rating, Add</i>	1,716.24	
<i>For Class 55 Rating, Add</i>	3,814.63	
40 05 19 00-1575 EA 48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,165.75	1,781.04
<i>For Class 52 Rating, Deduct</i>	-2,581.39	
<i>For Class 54 Rating, Add</i>	1,760.04	
<i>For Class 55 Rating, Add</i>	3,911.98	
40 05 19 00-1576 EA 48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,758.49	1,783.12
<i>For Class 52 Rating, Deduct</i>	-2,646.25	
<i>For Class 54 Rating, Add</i>	1,804.26	
<i>For Class 55 Rating, Add</i>	4,010.27	
40 05 19 00-1577 EA 48" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,345.63	1,785.19
<i>For Class 52 Rating, Deduct</i>	-2,710.49	
<i>For Class 54 Rating, Add</i>	1,848.06	
<i>For Class 55 Rating, Add</i>	4,107.62	
40 05 19 00-1578 EA 48" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,933.56	1,787.25
<i>For Class 52 Rating, Deduct</i>	-2,774.82	
<i>For Class 54 Rating, Add</i>	1,891.92	
<i>For Class 55 Rating, Add</i>	4,205.11	
40 05 19 00-1579 EA 48" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,525.50	1,789.32
<i>For Class 52 Rating, Deduct</i>	-2,839.58	
<i>For Class 54 Rating, Add</i>	1,936.08	
<i>For Class 55 Rating, Add</i>	4,303.26	
 40 05 19 00-1580 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows <small>(40 05 19 00-0001)</small>		
40 05 19 00-1581 EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	260.98	99.92
40 05 19 00-1582 EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	363.19	127.78
40 05 19 00-1583 EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	498.48	144.72
40 05 19 00-1584 EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	721.20	183.48
40 05 19 00-1585 EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	885.88	203.46
40 05 19 00-1586 EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,094.89	221.02
40 05 19 00-1587 EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,348.88	272.50
40 05 19 00-1588 EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,761.05	327.00
40 05 19 00-1589 EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,171.90	411.78
40 05 19 00-1590 EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,258.47	466.27
40 05 19 00-1591 EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	5,432.65	617.66
40 05 19 00-1592 EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	7,650.91	699.41
40 05 19 00-1593 EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	12,707.90	799.33
40 05 19 00-1594 EA 48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	16,896.75	980.99

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1595 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbows (40 05 19 00-0001)		
40 05 19 00-1596 EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	248.98	99.92
40 05 19 00-1597 EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	343.99	127.78
40 05 19 00-1598 EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	449.68	144.72
40 05 19 00-1599 EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	650.80	183.48
40 05 19 00-1600 EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	796.28	203.46
40 05 19 00-1601 EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	912.49	221.02
40 05 19 00-1602 EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	1,147.28	272.50
40 05 19 00-1603 EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	1,489.85	327.00
40 05 19 00-1604 EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	1,924.70	411.78
40 05 19 00-1605 EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	2,512.87	466.27
40 05 19 00-1606 EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	4,887.05	617.66
40 05 19 00-1607 EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	7,252.51	699.41
40 05 19 00-1608 EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	10,995.10	799.33
40 05 19 00-1609 EA 48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	14,959.15	980.99
40 05 19 00-1610 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows (40 05 19 00-0001)		
40 05 19 00-1611 EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow.....	248.18	99.92
40 05 19 00-1612 EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow.....	337.59	127.78
40 05 19 00-1613 EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow.....	444.08	144.72
40 05 19 00-1614 EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow.....	634.80	183.48
40 05 19 00-1615 EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow.....	831.48	203.46
40 05 19 00-1616 EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow.....	1,023.69	221.02
40 05 19 00-1617 EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow.....	1,172.08	272.50
40 05 19 00-1618 EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow.....	1,520.25	327.00
40 05 19 00-1619 EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow.....	2,056.70	411.78
40 05 19 00-1620 EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow.....	2,813.67	466.27
40 05 19 00-1621 EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow.....	4,940.65	617.66
40 05 19 00-1622 EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow.....	7,375.71	699.41
40 05 19 00-1623 EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow.....	11,240.70	799.33
40 05 19 00-1624 EA 48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow.....	15,279.15	980.99
40 05 19 00-1625 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows (40 05 19 00-0001)		
40 05 19 00-1626 EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow.....	268.18	99.92
40 05 19 00-1627 EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow.....	375.19	127.78
40 05 19 00-1628 EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow.....	460.08	144.72
40 05 19 00-1629 EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow.....	691.60	183.48
40 05 19 00-1630 EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow.....	936.28	203.46
40 05 19 00-1631 EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow.....	1,050.89	221.02
40 05 19 00-1632 EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow.....	1,285.68	272.50
40 05 19 00-1633 EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow.....	1,520.25	327.00
40 05 19 00-1634 EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow.....	2,056.70	411.78
40 05 19 00-1635 EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow.....	2,921.67	466.27
40 05 19 00-1636 EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow.....	4,994.25	617.66
40 05 19 00-1637 EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow.....	7,428.51	699.41
40 05 19 00-1638 EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow.....	11,296.70	799.33
40 05 19 00-1639 EA 48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow.....	15,391.95	980.99
40 05 19 00-1640 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows (40 05 19 00-0001)		
40 05 19 00-1641 EA 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	341.29	113.85
40 05 19 00-1642 EA 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	415.73	122.32
40 05 19 00-1643 EA 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	468.04	136.25
40 05 19 00-1644 EA 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	613.09	141.70
40 05 19 00-1645 EA 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	649.40	155.63
40 05 19 00-1646 EA 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	707.84	164.10
40 05 19 00-1647 EA 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	659.09	151.99
40 05 19 00-1648 EA 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	740.99	165.92
40 05 19 00-1649 EA 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	846.64	174.40
40 05 19 00-1650 EA 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	904.79	193.77
40 05 19 00-1651 EA 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	846.64	174.40
40 05 19 00-1652 EA 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	934.69	182.87
40 05 19 00-1653 EA 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,040.85	202.26
40 05 19 00-1654 EA 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,148.45	212.55
40 05 19 00-1655 EA 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	976.03	200.14
40 05 19 00-1656 EA 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,050.48	208.61
40 05 19 00-1657 EA 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,202.24	227.99
40 05 19 00-1658 EA 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,308.57	237.98
40 05 19 00-1659 EA 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,398.68	246.76
40 05 19 00-1660 EA 18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,139.72	227.39
40 05 19 00-1661 EA 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,351.77	235.86
40 05 19 00-1662 EA 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,396.32	255.23
40 05 19 00-1663 EA 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,473.07	265.23



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1664 EA 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,593.57	274.01
40 05 19 00-1665 EA 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,738.16	299.75
40 05 19 00-1666 EA 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,463.15	269.78
40 05 19 00-1667 EA 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,558.39	278.25
40 05 19 00-1668 EA 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,916.55	297.63
40 05 19 00-1669 EA 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,988.49	307.62
40 05 19 00-1670 EA 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,185.79	316.40
40 05 19 00-1671 EA 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,148.78	342.14
40 05 19 00-1672 EA 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,289.28	369.39
40 05 19 00-1673 EA 24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,030.83	297.02
40 05 19 00-1674 EA 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,126.88	305.50
40 05 19 00-1675 EA 24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,287.43	324.87
40 05 19 00-1676 EA 24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,401.78	334.87
40 05 19 00-1677 EA 24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,612.68	343.65
40 05 19 00-1678 EA 24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,815.68	369.39
40 05 19 00-1679 EA 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,889.76	396.63
40 05 19 00-1680 EA 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,031.11	392.25
40 05 19 00-1681 EA 30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,585.27	410.56
40 05 19 00-1682 EA 30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,810.56	419.34
40 05 19 00-1683 EA 30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,286.36	445.08
40 05 19 00-1684 EA 30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,967.65	472.33
40 05 19 00-1685 EA 30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,733.48	514.72
40 05 19 00-1686 EA 30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,054.76	541.97
40 05 19 00-1687 EA 36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,900.79	451.44
40 05 19 00-1688 EA 36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,306.10	460.22
40 05 19 00-1689 EA 36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,165.09	485.95
40 05 19 00-1690 EA 36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,703.98	513.20
40 05 19 00-1691 EA 36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,434.60	555.59
40 05 19 00-1692 EA 36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,007.90	582.84
40 05 19 00-1693 EA 36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,488.98	658.54
40 05 19 00-1694 EA 42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,573.80	510.17
40 05 19 00-1695 EA 42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,266.39	535.91
40 05 19 00-1696 EA 42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,734.07	563.16
40 05 19 00-1697 EA 42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,595.90	605.55
40 05 19 00-1698 EA 42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,410.79	632.80
40 05 19 00-1699 EA 42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,898.27	708.50
40 05 19 00-1700 EA 42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	13,893.01	749.37
40 05 19 00-1701 EA 48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	13,301.48	731.21
40 05 19 00-1702 EA 48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	14,469.76	806.89
40 05 19 00-1703 EA 48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	14,899.70	847.77
40 05 19 00-1704 EA 48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	18,990.60	897.73
40 05 19 00-1705	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius	
	90 Degree Elbows <small>(40 05 19 00-0001)</small>	
40 05 19 00-1706 EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	304.98	99.92
40 05 19 00-1707 EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	461.59	127.78
40 05 19 00-1708 EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	663.28	144.72
40 05 19 00-1709 EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	935.60	183.48
40 05 19 00-1710 EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,302.68	203.46
40 05 19 00-1711 EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,513.29	221.02
40 05 19 00-1712 EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,958.48	272.50
40 05 19 00-1713 EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,422.65	327.00
40 05 19 00-1714 EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	3,291.90	411.78
40 05 19 00-1715 EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	4,789.67	466.27
40 05 19 00-1716 EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	8,363.05	617.66
40 05 19 00-1717 EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	12,650.11	699.41
40 05 19 00-1718 EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	19,519.90	799.33
40 05 19 00-1719	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree	
	Elbows With Base <small>(40 05 19 00-0001)</small>	
40 05 19 00-1720 EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	320.18	99.92
40 05 19 00-1721 EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	431.99	127.78
40 05 19 00-1722 EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	684.08	144.72
40 05 19 00-1723 EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	920.40	183.48
40 05 19 00-1724 EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,221.88	203.46
40 05 19 00-1725 EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,436.49	221.02
40 05 19 00-1726 EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,774.48	272.50
40 05 19 00-1727 EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,224.25	327.00
40 05 19 00-1728 EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,928.70	411.78
40 05 19 00-1729 EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	4,098.47	466.27
40 05 19 00-1730 EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	6,669.45	617.66
40 05 19 00-1731 EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	9,474.91	699.41
40 05 19 00-1732 EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	17,430.30	799.33
40 05 19 00-1733 EA 48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	18,835.15	980.99
40 05 19 00-1734	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees <small>(40 05 19 00-0001)</small>	
40 05 19 00-1735 EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	443.14	160.47

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1736 EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	548.70	197.40
40 05 19 00-1737 EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	750.77	220.42
40 05 19 00-1738 EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	1,067.58	286.43
40 05 19 00-1739 EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	1,395.03	312.46
40 05 19 00-1740 EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	1,839.61	336.08
40 05 19 00-1741 EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	2,099.04	423.88
40 05 19 00-1742 EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	2,548.40	484.44
40 05 19 00-1743 EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	3,214.68	611.61
40 05 19 00-1744 EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	4,656.61	675.19
40 05 19 00-1745 EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	7,850.55	932.55
40 05 19 00-1746 EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	11,220.99	1,068.80
40 05 19 00-1747 EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	22,870.90	1,235.32

40 05 19 00-1748 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tees

(40 05 19 00-0001)

40 05 19 00-1749 EA 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	547.58	179.24
40 05 19 00-1750 EA 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	664.29	182.87
40 05 19 00-1751 EA 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	671.95	205.89
40 05 19 00-1752 EA 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	862.45	202.26
40 05 19 00-1753 EA 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	860.50	225.26
40 05 19 00-1754 EA 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	908.13	239.80
40 05 19 00-1755 EA 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,078.05	212.55
40 05 19 00-1756 EA 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,083.30	235.56
40 05 19 00-1757 EA 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,144.53	250.10
40 05 19 00-1758 EA 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,363.18	296.72
40 05 19 00-1759 EA 14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,540.49	221.02
40 05 19 00-1760 EA 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,516.96	244.04
40 05 19 00-1761 EA 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,585.37	258.57
40 05 19 00-1762 EA 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,685.62	305.19
40 05 19 00-1763 EA 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,786.74	321.24
40 05 19 00-1764 EA 16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,861.08	246.76
40 05 19 00-1765 EA 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,729.55	269.78
40 05 19 00-1766 EA 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,708.36	284.31
40 05 19 00-1767 EA 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,003.81	330.93
40 05 19 00-1768 EA 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,953.73	346.98
40 05 19 00-1769 EA 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,169.81	361.82
40 05 19 00-1770 EA 18" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,266.37	274.01
40 05 19 00-1771 EA 18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,739.63	297.02
40 05 19 00-1772 EA 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,079.26	311.56
40 05 19 00-1773 EA 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,102.70	358.18
40 05 19 00-1774 EA 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,283.01	374.23
40 05 19 00-1775 EA 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,485.49	389.07
40 05 19 00-1776 EA 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,671.54	451.13
40 05 19 00-1777 EA 20" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,908.19	316.40
40 05 19 00-1778 EA 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,523.86	339.41
40 05 19 00-1779 EA 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,578.68	353.95
40 05 19 00-1780 EA 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,698.92	400.57
40 05 19 00-1781 EA 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,804.84	416.62
40 05 19 00-1782 EA 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,844.12	431.46
40 05 19 00-1783 EA 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,415.76	493.52
40 05 19 00-1784 EA 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,499.03	526.83
40 05 19 00-1785 EA 24" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,303.88	343.65
40 05 19 00-1786 EA 24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,877.94	366.66
40 05 19 00-1787 EA 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,007.97	381.19
40 05 19 00-1788 EA 24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,138.62	427.82
40 05 19 00-1789 EA 24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,505.33	443.87
40 05 19 00-1790 EA 24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,593.41	458.71
40 05 19 00-1791 EA 24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,730.65	520.77
40 05 19 00-1792 EA 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,857.11	554.07
40 05 19 00-1793 EA 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,030.69	592.08
40 05 19 00-1794 EA 30" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,804.63	442.35
40 05 19 00-1795 EA 30" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,843.45	456.89
40 05 19 00-1796 EA 30" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	6,020.50	503.51
40 05 19 00-1797 EA 30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	6,044.81	519.57
40 05 19 00-1798 EA 30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	6,067.29	534.39
40 05 19 00-1799 EA 30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	6,214.14	596.47
40 05 19 00-1800 EA 30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	6,299.80	629.77
40 05 19 00-1801 EA 30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	6,515.45	714.55
40 05 19 00-1802 EA 30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,282.50	750.88
40 05 19 00-1803 EA 36" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,015.25	633.11
40 05 19 00-1804 EA 36" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,563.08	644.61
40 05 19 00-1805 EA 36" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,630.68	677.61
40 05 19 00-1806 EA 36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,703.20	690.63
40 05 19 00-1807 EA 36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,738.70	702.44
40 05 19 00-1808 EA 36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,840.42	746.34
40 05 19 00-1809 EA 36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,903.89	776.62
40 05 19 00-1810 EA 36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	9,070.63	840.20
40 05 19 00-1811 EA 36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	9,278.00	871.99
40 05 19 00-1812 EA 36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	12,100.17	1,000.67
40 05 19 00-1813 EA 42" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	14,129.88	547.72
40 05 19 00-1814 EA 42" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	12,811.73	594.34



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1815 EA 42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	12,836.04	610.40
40 05 19 00-1816 EA 42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	12,876.92	625.23
40 05 19 00-1817 EA 42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	13,008.56	687.30
40 05 19 00-1818 EA 42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	13,163.42	720.60
40 05 19 00-1819 EA 42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	13,281.87	805.38
40 05 19 00-1820 EA 42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	13,487.33	841.72
40 05 19 00-1821 EA 42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,073.77	1,023.38
40 05 19 00-1822 EA 42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	21,866.28	1,118.75
40 05 19 00-1823 EA 48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,313.14	708.79
40 05 19 00-1824 EA 48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,335.61	723.63
40 05 19 00-1825 EA 48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,485.65	785.70
40 05 19 00-1826 EA 48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,536.12	819.01
40 05 19 00-1827 EA 48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,738.97	903.78
40 05 19 00-1828 EA 48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,926.02	940.11
40 05 19 00-1829 EA 48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	18,465.26	1,121.78
40 05 19 00-1830 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees With Base <small>(40 05 19 00-0001)</small>		
40 05 19 00-1831 EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	473.54	160.47
40 05 19 00-1832 EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	635.90	197.40
40 05 19 00-1833 EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	901.17	220.42
40 05 19 00-1834 EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	1,351.58	286.43
40 05 19 00-1835 EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	1,788.63	312.46
40 05 19 00-1836 EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	1,993.21	336.08
40 05 19 00-1837 EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	2,476.64	423.88
40 05 19 00-1838 EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	2,997.20	484.44
40 05 19 00-1839 EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	3,989.08	611.61
40 05 19 00-1840 EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	5,666.21	675.19
40 05 19 00-1841 EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	9,422.55	932.55
40 05 19 00-1842 EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	13,332.19	1,068.80
40 05 19 00-1843 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wyes <small>(40 05 19 00-0001)</small>		
40 05 19 00-1844 EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	396.74	160.47
40 05 19 00-1845 EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	544.70	197.40
40 05 19 00-1846 EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	762.77	220.42
40 05 19 00-1847 EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	1,001.18	286.43
40 05 19 00-1848 EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	1,391.03	312.46
40 05 19 00-1849 EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	1,778.81	336.08
40 05 19 00-1850 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Crosses <small>(40 05 19 00-0001)</small>		
40 05 19 00-1851 EA 4" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	545.29	221.02
40 05 19 00-1852 EA 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	699.67	239.49
40 05 19 00-1853 EA 6" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	746.21	267.04
40 05 19 00-1854 EA 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	843.24	243.43
40 05 19 00-1855 EA 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	923.07	275.53
40 05 19 00-1856 EA 8" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	959.86	296.12
40 05 19 00-1857 EA 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,071.00	262.81
40 05 19 00-1858 EA 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,181.22	294.90
40 05 19 00-1859 EA 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,289.22	315.49
40 05 19 00-1860 EA 10" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,599.55	389.36
40 05 19 00-1861 EA 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,361.33	272.80
40 05 19 00-1862 EA 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,440.36	304.90
40 05 19 00-1863 EA 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,549.15	325.49
40 05 19 00-1864 EA 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,874.69	399.36
40 05 19 00-1865 EA 12" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,782.58	421.47
40 05 19 00-1866 EA 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,698.46	313.68
40 05 19 00-1867 EA 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,806.46	334.27
40 05 19 00-1868 EA 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,025.59	408.14
40 05 19 00-1869 EA 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,197.48	430.25
40 05 19 00-1870 EA 14" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,305.14	451.13
40 05 19 00-1871 EA 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,013.46	339.41
40 05 19 00-1872 EA 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,135.85	359.99
40 05 19 00-1873 EA 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,354.99	433.88
40 05 19 00-1874 EA 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,542.07	455.97
40 05 19 00-1875 EA 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,484.93	476.87
40 05 19 00-1876 EA 16" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,906.02	575.27
40 05 19 00-1877 EA 18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,101.14	366.66
40 05 19 00-1878 EA 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,222.74	387.25
40 05 19 00-1879 EA 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,411.47	461.12
40 05 19 00-1880 EA 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,597.77	483.23
40 05 19 00-1881 EA 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,965.41	504.12
40 05 19 00-1882 EA 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,252.91	602.52
40 05 19 00-1883 EA 18" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,404.55	641.89
40 05 19 00-1884 EA 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,711.77	409.04
40 05 19 00-1885 EA 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,841.36	429.63
40 05 19 00-1886 EA 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,018.90	503.51
40 05 19 00-1887 EA 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,217.19	525.61

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1888 EA 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,281.64	546.51
40 05 19 00-1889 EA 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,990.73	644.91
40 05 19 00-1890 EA 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,148.78	684.27
40 05 19 00-1891 EA 20" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,572.64	811.44
40 05 19 00-1892 EA 24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,543.46	436.30
40 05 19 00-1893 EA 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,639.45	456.89
40 05 19 00-1894 EA 24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,866.59	530.76
40 05 19 00-1895 EA 24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,999.28	552.87
40 05 19 00-1896 EA 24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,080.53	573.76
40 05 19 00-1897 EA 24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,344.83	672.16
40 05 19 00-1898 EA 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,574.06	711.52
40 05 19 00-1899 EA 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,908.66	791.91
40 05 19 00-1900 EA 24" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,509.95	884.10
40 05 19 00-1901 EA 30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,474.76	628.56
40 05 19 00-1902 EA 30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,524.01	649.45
40 05 19 00-1903 EA 30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,796.32	747.86
40 05 19 00-1904 EA 30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,891.15	787.21
40 05 19 00-1905 EA 30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	7,278.23	914.38
40 05 19 00-1906 EA 30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	9,375.83	959.79
40 05 19 00-1907 EA 30" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	10,710.05	1,247.44
40 05 19 00-1908 EA 36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	9,113.96	799.63
40 05 19 00-1909 EA 36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	9,141.03	817.49
40 05 19 00-1910 EA 36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	9,369.80	897.73
40 05 19 00-1911 EA 36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	9,459.24	934.06
40 05 19 00-1912 EA 36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	9,779.00	1,040.03
40 05 19 00-1913 EA 36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	10,123.34	1,080.91
40 05 19 00-1914 EA 36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	13,635.67	1,315.56
40 05 19 00-1915 EA 36" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	14,950.27	1,438.18
40 05 19 00-1916 EA 42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	13,283.59	719.40
40 05 19 00-1917 EA 42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	13,315.25	740.28
40 05 19 00-1918 EA 42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	13,577.14	838.69
40 05 19 00-1919 EA 42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	13,655.17	878.05
40 05 19 00-1920 EA 42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	14,017.45	1,005.21
40 05 19 00-1921 EA 42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	14,368.67	1,050.62
40 05 19 00-1922 EA 42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	18,491.67	1,338.27
40 05 19 00-1923 EA 42" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	25,417.95	1,488.14
40 05 19 00-1924 EA 48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	19,053.10	1,671.32
40 05 19 00-1925 EA 48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	17,772.34	838.69
40 05 19 00-1926 EA 48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	18,035.03	937.08
40 05 19 00-1927 EA 48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	18,113.07	976.45
40 05 19 00-1928 EA 48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	18,456.14	1,103.61
40 05 19 00-1929 EA 48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	18,807.36	1,149.03
40 05 19 00-1930 EA 48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	19,751.16	1,436.66

40 05 19 00-1931 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducers (40 05 19 00-0001)

40 05 19 00-1932 EA 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	289.29	113.85
40 05 19 00-1933 EA 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	360.53	122.32
40 05 19 00-1934 EA 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	397.64	136.25
40 05 19 00-1935 EA 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	476.29	141.70
40 05 19 00-1936 EA 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	485.40	155.63
40 05 19 00-1937 EA 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	560.64	164.10
40 05 19 00-1938 EA 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	597.49	151.99
40 05 19 00-1939 EA 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	620.99	165.92
40 05 19 00-1940 EA 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	677.84	174.40
40 05 19 00-1941 EA 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	761.59	193.77
40 05 19 00-1942 EA 14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	907.39	165.92
40 05 19 00-1943 EA 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	738.64	174.40
40 05 19 00-1944 EA 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	813.09	182.87
40 05 19 00-1945 EA 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	894.45	202.26
40 05 19 00-1946 EA 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	875.65	212.55
40 05 19 00-1947 EA 16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,070.13	186.21
40 05 19 00-1948 EA 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	885.63	200.14
40 05 19 00-1949 EA 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	844.08	208.61
40 05 19 00-1950 EA 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	939.04	227.99
40 05 19 00-1951 EA 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,146.97	237.98
40 05 19 00-1952 EA 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,230.68	246.76
40 05 19 00-1953 EA 18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,350.92	227.39
40 05 19 00-1954 EA 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,091.77	235.86
40 05 19 00-1955 EA 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,197.92	255.23
40 05 19 00-1956 EA 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,194.67	265.23
40 05 19 00-1957 EA 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,363.17	274.01
40 05 19 00-1958 EA 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,370.96	299.75
40 05 19 00-1959 EA 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,396.75	269.78
40 05 19 00-1960 EA 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,360.79	278.25
40 05 19 00-1961 EA 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,472.55	297.63
40 05 19 00-1962 EA 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,442.09	307.62
40 05 19 00-1963 EA 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,649.79	316.40
40 05 19 00-1964 EA 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,565.58	342.14
40 05 19 00-1965 EA 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,910.88	369.39



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows list various ductile iron concentric reducers from 24" x 8" to 48" x 42".

40 05 19 00-1989 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducers (40 05 19 00-0001)

Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows list various ductile iron eccentric reducers from 6" x 4" to 48" x 42".

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2044			Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flanges ⁽⁴⁰⁾		
			<small>05 19 00-0001</small>		
40 05 19 00-2045	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	110.04	39.36
40 05 19 00-2046	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	164.88	58.14
40 05 19 00-2047	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	233.39	69.04
40 05 19 00-2048	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	315.62	80.54
40 05 19 00-2049	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	403.93	94.47
40 05 19 00-2050	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	526.96	105.97
40 05 19 00-2051	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	627.50	121.11
40 05 19 00-2052	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	852.10	169.55
40 05 19 00-2053	EA		20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	1,126.73	211.95
40 05 19 00-2054	EA		24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	1,588.33	257.36
40 05 19 00-2055	EA		30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	2,215.76	299.75
40 05 19 00-2056	EA		36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	3,880.83	330.02
40 05 19 00-2057	EA		42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	5,433.70	363.33
40 05 19 00-2058	EA		48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	7,154.51	408.75
40 05 19 00-2059			Ductile Iron Bolt Packs ^(40 05 19)		
			Note: Labor installation is included with pipe fittings or valves.		
40 05 19 00-2060	EA		4" Pipe Diameter, Ductile Iron Flange Bolt Pack	32.88	
			Note: Includes eight (8) 5/8" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	9.21	
			For Hot Dip Galvanized, Add	13.15	
40 05 19 00-2061	EA		6" Pipe Diameter, Ductile Iron Flange Bolt Pack	50.74	
			Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	14.21	
			For Hot Dip Galvanized, Add	20.30	
40 05 19 00-2062	EA		8" Pipe Diameter, Ductile Iron Flange Bolt Pack	55.10	
			Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	15.43	
			For Hot Dip Galvanized, Add	22.04	
40 05 19 00-2063	EA		10" Pipe Diameter, Ductile Iron Flange Bolt Pack	123.76	
			Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	34.65	
			For Hot Dip Galvanized, Add	49.50	
40 05 19 00-2064	EA		12" Pipe Diameter, Ductile Iron Flange Bolt Pack	124.85	
			Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	34.96	
			For Hot Dip Galvanized, Add	49.94	
40 05 19 00-2065	EA		14" Pipe Diameter, Ductile Iron Flange Bolt Pack	139.87	
			Note: Includes twelve (12) 1" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	39.16	
			For Hot Dip Galvanized, Add	55.95	
40 05 19 00-2066	EA		16" Pipe Diameter, Ductile Iron Flange Bolt Pack	235.15	
			Note: Includes sixteen (16) 1" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	65.84	
			For Hot Dip Galvanized, Add	94.06	
40 05 19 00-2067	EA		18" Pipe Diameter, Ductile Iron Flange Bolt Pack	341.61	
			Note: Includes sixteen (16) 1-1/8" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	95.65	
			For Hot Dip Galvanized, Add	136.64	
40 05 19 00-2068	EA		20" Pipe Diameter, Ductile Iron Flange Bolt Pack	431.32	
			Note: Includes twenty (20) 1-1/8" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	120.77	
			For Hot Dip Galvanized, Add	172.53	
40 05 19 00-2069	EA		24" Pipe Diameter, Ductile Iron Flange Bolt Pack	617.14	
			Note: Includes twenty (20) 1-1/4" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	172.80	
			For Hot Dip Galvanized, Add	246.86	
40 05 19 00-2070	EA		30" Pipe Diameter, Ductile Iron Flange Bolt Pack	975.17	
			Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	273.05	
			For Hot Dip Galvanized, Add	390.07	
40 05 19 00-2071	EA		36" Pipe Diameter, Ductile Iron Flange Bolt Pack	1,391.11	
			Note: Includes thirty-two (32) 1-1/2" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	389.51	
			For Hot Dip Galvanized, Add	556.44	
40 05 19 00-2072	EA		42" Pipe Diameter, Ductile Iron Flange Bolt Pack	1,789.62	
			Note: Includes thirty-six (36) 1-1/2" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	501.09	
			For Hot Dip Galvanized, Add	715.85	
40 05 19 00-2073	EA		48" Pipe Diameter, Ductile Iron Flange Bolt Pack	2,187.31	
			Note: Includes forty-four (44) 1-1/2" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	612.45	
			For Hot Dip Galvanized, Add	874.92	
40 05 19 00-2074			Full Face Flange Gaskets, ANSI/AWWA C115/A21.15 ^(40 05 19)		
			Note: Labor installation is included with pipe fittings or valves.		
40 05 19 00-2075			Full Face Flange Styrene Butadiene (SBR) Gaskets ^(40 05 19 00-2074)		
40 05 19 00-2076	EA		4" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	6.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2077 EA 6" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	7.82	
40 05 19 00-2078 EA 8" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	10.62	
40 05 19 00-2079 EA 10" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	12.29	
40 05 19 00-2080 EA 12" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	13.41	
40 05 19 00-2081 EA 14" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	22.35	
40 05 19 00-2082 EA 16" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	27.38	
40 05 19 00-2083 EA 18" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	29.06	
40 05 19 00-2084 EA 20" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	44.70	
40 05 19 00-2085 EA 24" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	48.05	
40 05 19 00-2086 EA 30" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	62.02	
40 05 19 00-2087 EA 36" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	70.96	
40 05 19 00-2088 EA 42" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	75.99	
40 05 19 00-2089 EA 48" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	83.25	
40 05 19 00-2090 Full Face Flange Nitrile Buna-N (NBR) Gaskets (40 05 19 00-2074)		
Note: (Acrylonitrile Butadiene)		
40 05 19 00-2091 EA 4" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	19.00	
40 05 19 00-2092 EA 6" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	26.82	
40 05 19 00-2093 EA 8" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	41.35	
40 05 19 00-2094 EA 10" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	45.26	
40 05 19 00-2095 EA 12" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	48.61	
40 05 19 00-2096 EA 14" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	91.64	
40 05 19 00-2097 EA 16" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	112.87	
40 05 19 00-2098 EA 18" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	113.43	
40 05 19 00-2099 EA 20" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	117.90	
40 05 19 00-2100 EA 24" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	124.60	
40 05 19 00-2101 EA 30" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	138.01	
40 05 19 00-2102 EA 36" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	151.98	
40 05 19 00-2103 EA 42" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	216.24	
40 05 19 00-2104 EA 48" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	236.35	
40 05 19 00-2105 Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gaskets (40 05 19 00-2074)		
40 05 19 00-2106 EA 4" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	16.76	
40 05 19 00-2107 EA 6" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	21.79	
40 05 19 00-2108 EA 8" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	29.61	
40 05 19 00-2109 EA 10" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	34.64	
40 05 19 00-2110 EA 12" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	38.55	
40 05 19 00-2111 EA 14" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	63.70	
40 05 19 00-2112 EA 16" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	76.55	
40 05 19 00-2113 EA 18" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	77.11	
40 05 19 00-2114 EA 20" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	78.78	
40 05 19 00-2115 EA 24" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	91.64	
40 05 19 00-2116 EA 30" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	112.31	
40 05 19 00-2117 EA 36" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	127.95	
40 05 19 00-2118 EA 42" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	183.27	
40 05 19 00-2119 EA 48" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	202.27	
40 05 19 00-2120 Full Face Flange Neoprene Gaskets (40 05 19 00-2074)		
Note: (Polychloroprene)		
40 05 19 00-2121 EA 4" Full Face Flange Neoprene Gasket, 1/8" Thick.....	19.56	
40 05 19 00-2122 EA 6" Full Face Flange Neoprene Gasket, 1/8" Thick.....	27.38	
40 05 19 00-2123 EA 8" Full Face Flange Neoprene Gasket, 1/8" Thick.....	41.91	
40 05 19 00-2124 EA 10" Full Face Flange Neoprene Gasket, 1/8" Thick.....	45.26	
40 05 19 00-2125 EA 12" Full Face Flange Neoprene Gasket, 1/8" Thick.....	48.61	
40 05 19 00-2126 EA 14" Full Face Flange Neoprene Gasket, 1/8" Thick.....	64.82	
40 05 19 00-2127 EA 16" Full Face Flange Neoprene Gasket, 1/8" Thick.....	113.98	
40 05 19 00-2128 EA 18" Full Face Flange Neoprene Gasket, 1/8" Thick.....	114.54	
40 05 19 00-2129 EA 20" Full Face Flange Neoprene Gasket, 1/8" Thick.....	121.25	
40 05 19 00-2130 EA 24" Full Face Flange Neoprene Gasket, 1/8" Thick.....	122.92	
40 05 19 00-2131 EA 30" Full Face Flange Neoprene Gasket, 1/8" Thick.....	133.54	
40 05 19 00-2132 EA 36" Full Face Flange Neoprene Gasket, 1/8" Thick.....	150.30	
40 05 19 00-2133 EA 42" Full Face Flange Neoprene Gasket, 1/8" Thick.....	217.91	
40 05 19 00-2134 EA 48" Full Face Flange Neoprene Gasket, 1/8" Thick.....	238.59	
40 05 19 00-2135 Full Face Flange FKM Gaskets (40 05 19 00-2074)		
Note: (Fluoroelastomer Fluorel Viton®)		
40 05 19 00-2136 EA 4" Full Face Flange FKM Gasket, 1/8" Thick.....	45.00	
40 05 19 00-2137 EA 6" Full Face Flange FKM Gasket, 1/8" Thick.....	67.00	
40 05 19 00-2138 EA 8" Full Face Flange FKM Gasket, 1/8" Thick.....	89.50	
40 05 19 00-2139 EA 10" Full Face Flange FKM Gasket, 1/8" Thick.....	108.00	
40 05 19 00-2140 EA 12" Full Face Flange FKM Gasket, 1/8" Thick.....	140.50	
40 05 19 00-2141 EA 14" Full Face Flange FKM Gasket, 1/8" Thick.....	257.00	
40 05 19 00-2142 EA 16" Full Face Flange FKM Gasket, 1/8" Thick.....	294.50	
40 05 19 00-2143 EA 18" Full Face Flange FKM Gasket, 1/8" Thick.....	308.50	
40 05 19 00-2144 EA 20" Full Face Flange FKM Gasket, 1/8" Thick.....	329.00	
40 05 19 00-2145 EA 24" Full Face Flange FKM Gasket, 1/8" Thick.....	455.00	
40 05 19 00-2146 EA 30" Full Face Flange FKM Gasket, 1/8" Thick.....	545.50	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2147	EA		36" Full Face Flange FKM Gasket, 1/8" Thick	575.50	
40 05 19 00-2148	EA		42" Full Face Flange FKM Gasket, 1/8" Thick	717.50	
40 05 19 00-2149	EA		48" Full Face Flange FKM Gasket, 1/8" Thick	752.00	
40 05 19 00-2150			Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) (40 05 19)		
40 05 19 00-2151	EA		4" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	283.00	58.14
40 05 19 00-2152	EA		6" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	390.61	70.98
40 05 19 00-2153	EA		8" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	574.69	86.57
40 05 19 00-2154	EA		10" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	786.79	105.60
40 05 19 00-2155	EA		12" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	997.89	128.78
40 05 19 00-2156	EA		14" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	1,593.74	157.12
40 05 19 00-2157	EA		16" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	2,495.86	191.75
40 05 19 00-2158	EA		18" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	2,583.94	233.88
40 05 19 00-2159	EA		20" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	3,165.44	285.39
40 05 19 00-2160	EA		24" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	3,532.75	348.10
40 05 19 00-2161	EA		30" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	4,548.39	424.76
40 05 19 00-2162	EA		36" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	6,740.20	518.14
40 05 19 00-2163	EA		42" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	17,434.19	632.19
40 05 19 00-2164	EA		48" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	22,262.12	771.22
40 05 23			Stainless Steel Process Pipe and Tubing (40 05)		
40 05 23 43			Stainless Steel Process Pipe (40 05 23)		
40 05 23 43-0001			Schedule 40 Pipe, Type 304, With 150 LB Screwed Fittings Assembly (40 05 23)		
40 05 23 43-0002	LF		1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly..... Note: Includes hangers and fittings. Fittings are assumed every 10'. Not for use where detail is available. Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	26.97	7.83
			For Type 316, Add	2.92	
			For Work In Restricted Working Space, Add	4.72	
40 05 23 43-0003	LF		3/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly..... Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	30.48	8.98
			For Type 316, Add	3.06	
			For Work In Restricted Working Space, Add	5.61	
40 05 23 43-0004	LF		1" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	35.49	10.13
			Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
			For Type 316, Add	3.59	
			For Work In Restricted Working Space, Add	6.51	
40 05 23 43-0005	LF		1-1/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	40.78	12.23
			Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
			For Type 316, Add	4.53	
			For Work In Restricted Working Space, Add	7.01	
40 05 23 43-0006	LF		1-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	45.00	12.58
			Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
			For Type 316, Add	5.19	
			For Work In Restricted Working Space, Add	7.51	
40 05 23 43-0007	LF		2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	54.50	16.62
			Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
			For Type 316, Add	6.33	
			For Work In Restricted Working Space, Add	9.05	
40 05 23 43-0008	LF		2-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	79.21	20.50
			Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
			For Type 316, Add	10.88	
			For Work In Restricted Working Space, Add	11.21	
40 05 23 43-0009	LF		3" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	100.20	23.75
			Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
			For Type 316, Add	14.17	
			For Work In Restricted Working Space, Add	13.71	
40 05 23 43-0010	LF		4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	136.49	23.75
			Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	17.40	
40 05 23 43-0011			Stainless Steel Tubing And Fittings (40 05 23 43)		
40 05 23 43-0012			Type 304 Tubing (40 05 23 43-0011)		
40 05 23 43-0013			0.035" Wall (40 05 23 43-0012)		
40 05 23 43-0014	LF		1/4", 0.035" Wall, Type 304, Stainless Steel Tubing	6.44	2.50
			For Work In Restricted Working Space, Add	1.49	
40 05 23 43-0015	LF		3/8", 0.035" Wall, Type 304, Stainless Steel Tubing	7.51	2.96
			For Work In Restricted Working Space, Add	1.79	
40 05 23 43-0016	LF		1/2", 0.035" Wall, Type 304, Stainless Steel Tubing	8.94	3.52
			For Work In Restricted Working Space, Add	2.09	
40 05 23 43-0017	LF		5/8", 0.035" Wall, Type 304, Stainless Steel Tubing	13.98	3.98
			For Work In Restricted Working Space, Add	2.39	
40 05 23 43-0018	LF		3/4", 0.035" Wall, Type 304, Stainless Steel Tubing	16.50	4.45
			For Work In Restricted Working Space, Add	2.69	
40 05 23 43-0019	LF		7/8", 0.035" Wall, Type 304, Stainless Steel Tubing	18.27	5.00
			For Work In Restricted Working Space, Add	2.99	
40 05 23 43-0020	LF		1", 0.035" Wall, Type 304, Stainless Steel Tubing	20.55	6.02
			For Work In Restricted Working Space, Add	3.58	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0021				0.049" Wall <small>(40 05 23 43-0012)</small>		
			LF	1/4", 0.049" Wall, Type 304, Stainless Steel Tubing.....	10.34	2.96
				<i>For Work In Restricted Working Space, Add</i>	1.79	
			LF	3/8", 0.049" Wall, Type 304, Stainless Steel Tubing.....	11.58	3.52
				<i>For Work In Restricted Working Space, Add</i>	2.09	
			LF	1/2", 0.049" Wall, Type 304, Stainless Steel Tubing.....	13.85	3.98
				<i>For Work In Restricted Working Space, Add</i>	2.39	
			LF	5/8", 0.049" Wall, Type 304, Stainless Steel Tubing.....	17.51	5.00
				<i>For Work In Restricted Working Space, Add</i>	2.99	
			LF	3/4", 0.049" Wall, Type 304, Stainless Steel Tubing.....	20.12	6.02
				<i>For Work In Restricted Working Space, Add</i>	3.58	
			LF	7/8", 0.049" Wall, Type 304, Stainless Steel Tubing.....	22.70	6.94
				<i>For Work In Restricted Working Space, Add</i>	4.18	
			LF	1", 0.049" Wall, Type 304, Stainless Steel Tubing.....	26.15	7.87
				<i>For Work In Restricted Working Space, Add</i>	4.75	
40 05 23 43-0029				0.065" Wall <small>(40 05 23 43-0012)</small>		
			LF	1/4", 0.065" Wall, Type 304, Stainless Steel Tubing.....	12.07	3.52
				<i>For Work In Restricted Working Space, Add</i>	2.09	
			LF	3/8", 0.065" Wall, Type 304, Stainless Steel Tubing.....	13.88	3.98
				<i>For Work In Restricted Working Space, Add</i>	2.39	
			LF	1/2", 0.065" Wall, Type 304, Stainless Steel Tubing.....	17.15	5.00
				<i>For Work In Restricted Working Space, Add</i>	2.99	
			LF	5/8", 0.065" Wall, Type 304, Stainless Steel Tubing.....	20.18	6.02
				<i>For Work In Restricted Working Space, Add</i>	3.58	
			LF	3/4", 0.065" Wall, Type 304, Stainless Steel Tubing.....	23.79	6.94
				<i>For Work In Restricted Working Space, Add</i>	4.18	
			LF	7/8", 0.065" Wall, Type 304, Stainless Steel Tubing.....	27.30	7.87
				<i>For Work In Restricted Working Space, Add</i>	4.75	
			LF	1", 0.065" Wall, Type 304, Stainless Steel Tubing.....	30.77	8.89
				<i>For Work In Restricted Working Space, Add</i>	5.34	
40 05 23 43-0037				Type 304 Tube Fittings <small>(40 05 23 43-0011)</small>		
40 05 23 43-0038				90 Degree Elbows <small>(40 05 23 43-0037)</small>		
			EA	1/4", Type 304, Stainless Steel, 90 Degree Elbow	38.55	10.00
				<i>For Work In Restricted Working Space, Add</i>	5.97	
			EA	3/8", Type 304, Stainless Steel, 90 Degree Elbow	45.30	10.93
				<i>For Work In Restricted Working Space, Add</i>	6.54	
			EA	1/2", Type 304, Stainless Steel, 90 Degree Elbow	66.84	12.32
				<i>For Work In Restricted Working Space, Add</i>	7.41	
			EA	5/8", Type 304, Stainless Steel, 90 Degree Elbow	71.61	13.80
				<i>For Work In Restricted Working Space, Add</i>	8.29	
			EA	3/4", Type 304, Stainless Steel, 90 Degree Elbow	79.93	14.91
				<i>For Work In Restricted Working Space, Add</i>	8.96	
			EA	7/8", Type 304, Stainless Steel, 90 Degree Elbow	107.86	16.57
				<i>For Work In Restricted Working Space, Add</i>	9.92	
			EA	1", Type 304, Stainless Steel, 90 Degree Elbow	136.88	19.72
				<i>For Work In Restricted Working Space, Add</i>	11.82	
40 05 23 43-0046				Union Tees <small>(40 05 23 43-0037)</small>		
			EA	1/4", Type 304, Stainless Steel, Union Tee	60.89	14.91
				<i>For Work In Restricted Working Space, Add</i>	8.96	
			EA	3/8", Type 304, Stainless Steel, Union Tee	73.31	16.57
				<i>For Work In Restricted Working Space, Add</i>	9.92	
			EA	1/2", Type 304, Stainless Steel, Union Tee	98.75	18.53
				<i>For Work In Restricted Working Space, Add</i>	11.11	
			EA	5/8", Type 304, Stainless Steel, Union Tee	106.63	21.02
				<i>For Work In Restricted Working Space, Add</i>	12.63	
			EA	3/4", Type 304, Stainless Steel, Union Tee	134.74	22.59
				<i>For Work In Restricted Working Space, Add</i>	13.55	
			EA	7/8", Type 304, Stainless Steel, Union Tee	210.35	25.01
				<i>For Work In Restricted Working Space, Add</i>	15.02	
			EA	1", Type 304, Stainless Steel, Union Tee	252.05	29.91
				<i>For Work In Restricted Working Space, Add</i>	17.92	
40 05 23 43-0054				Unions <small>(40 05 23 43-0037)</small>		
			EA	1/4", Type 304, Stainless Steel, Union.....	58.42	14.91
				<i>For Work In Restricted Working Space, Add</i>	8.96	
			EA	3/8", Type 304, Stainless Steel, Union.....	74.69	16.57
				<i>For Work In Restricted Working Space, Add</i>	9.92	
			EA	1/2", Type 304, Stainless Steel, Union.....	99.66	18.53
				<i>For Work In Restricted Working Space, Add</i>	11.11	
			EA	5/8", Type 304, Stainless Steel, Union.....	120.96	21.02
				<i>For Work In Restricted Working Space, Add</i>	12.63	
			EA	3/4", Type 304, Stainless Steel, Union.....	143.46	22.59
				<i>For Work In Restricted Working Space, Add</i>	13.55	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0060	EA		7/8", Type 304, Stainless Steel, Union..... <i>For Work In Restricted Working Space, Add</i>	217.30 15.02	25.01
40 05 23 43-0061	EA		1", Type 304, Stainless Steel, Union..... <i>For Work In Restricted Working Space, Add</i>	232.34 17.92	29.91
40 05 23 43-0062			Male Connectors <small>(40 05 23 43-0037)</small>		
40 05 23 43-0063	EA		1/4" x 1/4", Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	29.72 5.97	10.00
40 05 23 43-0064	EA		3/8" x 3/8", Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	36.61 6.54	10.93
40 05 23 43-0065	EA		1/2" x 1/2", Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	46.87 7.41	12.32
40 05 23 43-0066	EA		5/8" x 5/8" Male Connection, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	52.78 8.29	13.80
40 05 23 43-0067	EA		3/4" x 3/4", Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	63.20 8.96	14.91
40 05 23 43-0068	EA		7/8" x 7/8", Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	93.18 9.92	16.57
40 05 23 43-0069	EA		1" x 1", Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	98.39 11.82	19.72
40 05 23 43-0070			Type 304 Valves <small>(40 05 23 43-0011)</small>		
40 05 23 43-0071			Gate Valves <small>(40 05 23 43-0070)</small>		
40 05 23 43-0072	EA		1/4" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	161.58 8.09	14.91
40 05 23 43-0073	EA		3/8" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	271.12 8.52	17.50
40 05 23 43-0074	EA		1/2" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	282.14 11.82	19.72
40 05 23 43-0075	EA		3/4" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	312.85 13.55	22.59
40 05 23 43-0076	EA		1" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	288.42 17.92	29.91
40 05 23 43-0077			Globe Valves <small>(40 05 23 43-0070)</small>		
40 05 23 43-0078	EA		1/4" Globe Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	163.79 8.09	14.91
40 05 23 43-0079	EA		3/8" Globe Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	108.92 8.52	17.50
40 05 23 43-0080	EA		1/2" Globe Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	194.90 11.82	19.72
40 05 23 43-0081	EA		3/4" Globe Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	217.04 13.55	22.59
40 05 23 43-0082	EA		1" Globe Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	316.19 17.92	29.91
40 05 23 43-0083			Check Valves <small>(40 05 23 43-0070)</small>		
40 05 23 43-0084	EA		1/4" Check Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	228.60 8.09	14.91
40 05 23 43-0085	EA		3/8" Check Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	230.02 8.52	17.50
40 05 23 43-0086	EA		1/2" Check Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	152.12 11.82	19.72
40 05 23 43-0087	EA		3/4" Check Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	159.51 13.55	22.59
40 05 23 43-0088	EA		1" Check Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	177.35 17.92	29.91
40 05 23 43-0089			Plug Valves <small>(40 05 23 43-0070)</small>		
40 05 23 43-0090	EA		1/2" Plug Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	353.42 11.82	19.72
40 05 23 43-0091	EA		3/4" Plug Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	387.09 13.55	22.59
40 05 23 43-0092	EA		1" Plug Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	438.88 17.92	29.91
40 05 23 43-0093	EA		1-1/2" Plug Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	608.51 20.28	33.80
40 05 23 43-0094	EA		2" Plug Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	792.72 27.78	46.30
40 05 23 43-0095			Type 316 Tubing <small>(40 05 23 43-0011)</small>		
40 05 23 43-0096			0.035" Wall <small>(40 05 23 43-0095)</small>		
40 05 23 43-0097	LF		1/4" Stainless Steel Tubing, Type 316, 0.035" Wall..... <i>For Work In Restricted Working Space, Add</i>	6.67 1.49	2.50



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0098 LF 3/8" Stainless Steel Tubing, Type 316, 0.035" Wall..... <i>For Work In Restricted Working Space, Add</i>	8.61 1.79	2.96
40 05 23 43-0099 LF 1/2" Stainless Steel Tubing, Type 316, 0.035" Wall..... <i>For Work In Restricted Working Space, Add</i>	9.61 2.09	3.52
40 05 23 43-0100 LF 5/8" Stainless Steel Tubing, Type 316, 0.035" Wall..... <i>For Work In Restricted Working Space, Add</i>	15.77 2.39	3.98
40 05 23 43-0101 LF 3/4" Stainless Steel Tubing, Type 316, 0.035" Wall..... <i>For Work In Restricted Working Space, Add</i>	17.88 2.69	4.45
40 05 23 43-0102 LF 7/8" Stainless Steel Tubing, Type 316, 0.035" Wall..... <i>For Work In Restricted Working Space, Add</i>	22.52 2.99	5.00
40 05 23 43-0103 LF 1" Stainless Steel Tubing, Type 316, 0.035" Wall..... <i>For Work In Restricted Working Space, Add</i>	23.84 3.58	6.02
40 05 23 43-0104 0.049" Wall (40 05 23 43-0095)		
40 05 23 43-0105 LF 1/4" Stainless Steel Tubing, Type 316, 0.049" Wall..... <i>For Work In Restricted Working Space, Add</i>	11.30 1.79	2.96
40 05 23 43-0106 LF 3/8" Stainless Steel Tubing, Type 316, 0.049" Wall..... <i>For Work In Restricted Working Space, Add</i>	12.58 2.09	3.52
40 05 23 43-0107 LF 1/2" Stainless Steel Tubing, Type 316, 0.049" Wall..... <i>For Work In Restricted Working Space, Add</i>	14.79 2.39	3.98
40 05 23 43-0108 LF 5/8" Stainless Steel Tubing, Type 316, 0.049" Wall..... <i>For Work In Restricted Working Space, Add</i>	19.24 2.99	5.00
40 05 23 43-0109 LF 3/4" Stainless Steel Tubing, Type 316, 0.049" Wall..... <i>For Work In Restricted Working Space, Add</i>	22.27 3.58	6.02
40 05 23 43-0110 LF 7/8" Stainless Steel Tubing, Type 316, 0.049" Wall..... <i>For Work In Restricted Working Space, Add</i>	28.24 4.18	6.94
40 05 23 43-0111 LF 1" Stainless Steel Tubing, Type 316, 0.049" Wall..... <i>For Work In Restricted Working Space, Add</i>	29.05 4.75	7.87
40 05 23 43-0112 0.065" Wall (40 05 23 43-0095)		
40 05 23 43-0113 LF 1/4" Stainless Steel Tubing, Type 316, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	13.21 2.09	3.52
40 05 23 43-0114 LF 3/8" Stainless Steel Tubing, Type 316, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	14.75 2.39	3.98
40 05 23 43-0115 LF 1/2" Stainless Steel Tubing, Type 316, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	18.51 2.99	5.00
40 05 23 43-0116 LF 5/8" Stainless Steel Tubing, Type 316, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	22.06 3.58	6.02
40 05 23 43-0117 LF 3/4" Stainless Steel Tubing, Type 316, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	26.67 4.18	6.94
40 05 23 43-0118 LF 7/8" Stainless Steel Tubing, Type 316, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	29.44 4.75	7.87
40 05 23 43-0119 LF 1" Stainless Steel Tubing, Type 316, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	34.21 5.34	8.89
40 05 23 43-0120 Type 316 Tube Fittings (40 05 23 43-0011)		
40 05 23 43-0121 90 Degree Elbows (40 05 23 43-0120)		
40 05 23 43-0122 EA 1/4" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	52.01 5.97	10.00
40 05 23 43-0123 EA 3/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	62.27 6.54	10.93
40 05 23 43-0124 EA 1/2" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	97.27 7.41	12.32
40 05 23 43-0125 EA 5/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	103.36 8.29	13.80
40 05 23 43-0126 EA 3/4" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	116.07 8.96	14.91
40 05 23 43-0127 EA 7/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	161.84 9.92	16.57
40 05 23 43-0128 EA 1" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	207.26 11.82	19.72
40 05 23 43-0129 Union Tees (40 05 23 43-0120)		
40 05 23 43-0130 EA 1/4" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	83.27 8.96	14.91
40 05 23 43-0131 EA 3/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	102.35 9.92	16.57
40 05 23 43-0132 EA 1/2" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	143.30 11.11	18.53
40 05 23 43-0133 EA 5/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	153.23 12.63	21.02
40 05 23 43-0134 EA 3/4" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	199.41 13.55	22.59
40 05 23 43-0135 EA 7/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	326.07 15.02	25.01
40 05 23 43-0136 EA 1" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	390.90 17.92	29.91

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0137			Unions <small>(40 05 23 43-0120)</small>		
40 05 23 43-0138	EA		1/4" Union, Stainless Steel Type 316.....	55.00	14.91
			<i>For Work In Restricted Working Space, Add</i>	8.96	
40 05 23 43-0139	EA		3/8" Union, Stainless Steel Type 316.....	69.72	16.57
			<i>For Work In Restricted Working Space, Add</i>	9.92	
40 05 23 43-0140	EA		1/2" Union, Stainless Steel Type 316.....	92.17	18.53
			<i>For Work In Restricted Working Space, Add</i>	11.11	
40 05 23 43-0141	EA		5/8" Union, Stainless Steel Type 316.....	111.53	21.02
			<i>For Work In Restricted Working Space, Add</i>	12.63	
40 05 23 43-0142	EA		3/4" Union, Stainless Steel Type 316.....	131.71	22.59
			<i>For Work In Restricted Working Space, Add</i>	13.55	
40 05 23 43-0143	EA		7/8" Union, Stainless Steel Type 316.....	197.31	25.01
			<i>For Work In Restricted Working Space, Add</i>	15.02	
40 05 23 43-0144	EA		1" Union, Stainless Steel Type 316.....	211.71	29.91
			<i>For Work In Restricted Working Space, Add</i>	17.92	
40 05 23 43-0145			Male Connectors <small>(40 05 23 43-0120)</small>		
40 05 23 43-0146	EA		1/4" x 1/4" Male Connector, Stainless Steel Type 316.....	36.66	10.00
			<i>For Work In Restricted Working Space, Add</i>	5.97	
40 05 23 43-0147	EA		3/8" x 3/8" Male Connector, Stainless Steel Type 316.....	47.09	10.93
			<i>For Work In Restricted Working Space, Add</i>	6.54	
40 05 23 43-0148	EA		1/2" x 1/2" Male Connector, Stainless Steel Type 316.....	62.55	12.32
			<i>For Work In Restricted Working Space, Add</i>	7.41	
40 05 23 43-0149	EA		5/8" x 5/8" Male Connector, Stainless Steel Type 316.....	70.56	13.80
			<i>For Work In Restricted Working Space, Add</i>	8.29	
40 05 23 43-0150	EA		3/4" x 3/4" Male Connector, Stainless Steel Type 316.....	86.76	14.91
			<i>For Work In Restricted Working Space, Add</i>	8.96	
40 05 23 43-0151	EA		7/8" x 7/8" Male Connector, Stainless Steel Type 316.....	135.67	16.57
			<i>For Work In Restricted Working Space, Add</i>	9.92	
40 05 23 43-0152	EA		1" x 1" Male Connector, Stainless Steel Type 316.....	140.08	19.72
			<i>For Work In Restricted Working Space, Add</i>	11.82	
40 05 23 43-0153			Type 316 Valves <small>(40 05 23 43-0011)</small>		
40 05 23 43-0154			Gate Valves <small>(40 05 23 43-0153)</small>		
40 05 23 43-0155	EA		1/4" Gate Valve, Stainless Steel Type 316.....	205.04	14.91
			<i>For Work In Restricted Working Space, Add</i>	8.09	
40 05 23 43-0156	EA		3/8" Gate Valve, Stainless Steel Type 316.....	349.49	17.50
			<i>For Work In Restricted Working Space, Add</i>	8.52	
40 05 23 43-0157	EA		1/2" Gate Valve, Stainless Steel Type 316.....	360.51	19.72
			<i>For Work In Restricted Working Space, Add</i>	11.82	
40 05 23 43-0158	EA		3/4" Gate Valve, Stainless Steel Type 316.....	399.28	22.59
			<i>For Work In Restricted Working Space, Add</i>	13.55	
40 05 23 43-0159	EA		1" Gate Valve, Stainless Steel Type 316.....	362.25	29.91
			<i>For Work In Restricted Working Space, Add</i>	17.92	
40 05 23 43-0160	EA		1-1/4" Gate Valve, Stainless Steel Type 316.....	496.83	31.02
			<i>For Work In Restricted Working Space, Add</i>	18.62	
40 05 23 43-0161	EA		1-1/2" Gate Valve, Stainless Steel Type 316.....	796.86	33.80
			<i>For Work In Restricted Working Space, Add</i>	20.28	
40 05 23 43-0162	EA		2" Gate Valve, Stainless Steel Type 316.....	948.29	46.30
			<i>For Work In Restricted Working Space, Add</i>	27.78	
40 05 23 43-0163	EA		2-1/2" Gate Valve, Stainless Steel Type 316.....	1,414.66	148.27
			<i>For Work In Restricted Working Space, Add</i>	88.93	
40 05 23 43-0164			Globe Valves <small>(40 05 23 43-0153)</small>		
40 05 23 43-0165	EA		1/4" Globe Valve, Stainless Steel Type 316.....	207.96	14.91
			<i>For Work In Restricted Working Space, Add</i>	8.09	
40 05 23 43-0166	EA		3/8" Globe Valve, Stainless Steel Type 316.....	134.92	17.50
			<i>For Work In Restricted Working Space, Add</i>	8.52	
40 05 23 43-0167	EA		1/2" Globe Valve, Stainless Steel Type 316.....	245.10	19.72
			<i>For Work In Restricted Working Space, Add</i>	11.82	
40 05 23 43-0168	EA		3/4" Globe Valve, Stainless Steel Type 316.....	272.53	22.59
			<i>For Work In Restricted Working Space, Add</i>	13.55	
40 05 23 43-0169	EA		1" Globe Valve, Stainless Steel Type 316.....	398.99	29.91
			<i>For Work In Restricted Working Space, Add</i>	17.92	
40 05 23 43-0170	EA		1-1/4" Globe Valve, Stainless Steel Type 316.....	497.77	30.84
			<i>For Work In Restricted Working Space, Add</i>	18.48	
40 05 23 43-0171	EA		1-1/2" Globe Valve, Stainless Steel Type 316.....	826.03	33.80
			<i>For Work In Restricted Working Space, Add</i>	20.28	
40 05 23 43-0172	EA		2" Globe Valve, Stainless Steel Type 316.....	977.46	46.30
			<i>For Work In Restricted Working Space, Add</i>	27.78	
40 05 23 43-0173	EA		2-1/2" Globe Valve, Stainless Steel Type 316.....	1,229.91	148.27
			<i>For Work In Restricted Working Space, Add</i>	88.93	
40 05 23 43-0174			Check Valves <small>(40 05 23 43-0153)</small>		
40 05 23 43-0175	EA		1/4" Check Valve, Stainless Steel Type 316.....	293.70	14.91
			<i>For Work In Restricted Working Space, Add</i>	8.09	
40 05 23 43-0176	EA		3/8" Check Valve, Stainless Steel Type 316.....	295.12	17.50
			<i>For Work In Restricted Working Space, Add</i>	8.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0177 EA 1/2" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	188.51 11.82	19.72
40 05 23 43-0178 EA 3/4" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	196.43 13.55	22.59
40 05 23 43-0179 EA 1" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	215.32 17.92	29.91
40 05 23 43-0180 EA 1-1/4" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	297.17 18.62	31.02
40 05 23 43-0181 EA 1-1/2" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	660.73 20.28	33.80
40 05 23 43-0182 EA 2" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	802.44 27.78	46.30
40 05 23 43-0183 EA 2-1/2" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,592.93 88.93	148.27
40 05 23 43-0184 Diaphragm Valves, Ethylene Propylene Diene Monomer (EPDM) Lined <small>(40 05 23 43-0153)</small>		
40 05 23 43-0185 EA 1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	315.84 11.82	19.72
40 05 23 43-0186 EA 3/4" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	368.92 13.55	22.59
40 05 23 43-0187 EA 1" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	470.59 17.92	29.91
40 05 23 43-0188 EA 1-1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	749.18 20.28	33.80
40 05 23 43-0189 EA 2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	1,046.84 27.78	46.30
40 05 23 43-0190 Diaphragm Valves, Teflon Lined <small>(40 05 23 43-0153)</small>		
40 05 23 43-0191 EA 1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	418.07 11.82	19.72
40 05 23 43-0192 EA 3/4" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	480.63 13.55	22.59
40 05 23 43-0193 EA 1" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	582.30 17.92	29.91
40 05 23 43-0194 EA 1-1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	906.32 20.28	33.80
40 05 23 43-0195 EA 2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	1,234.28 27.78	46.30
40 05 23 43-0196 Strainers <small>(40 05 23 43-0153)</small>		
40 05 23 43-0197 EA 1/2" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	419.06 11.82	19.72
40 05 23 43-0198 EA 3/4" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	501.47 13.61	22.69
40 05 23 43-0199 EA 1" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	656.14 18.06	30.10
40 05 23 43-0200 EA 1-1/4" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	814.47 18.62	31.02
40 05 23 43-0201 EA 1-1/2" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,022.07 20.28	33.80
40 05 23 43-0202 EA 2" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,473.86 27.78	46.30
40 05 23 43-0203 EA 2-1/2" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	2,025.41 36.95	61.59
40 05 23 43-0204 EA 3" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	2,949.68 55.56	92.61
40 05 23 43-0205 EA 4" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	3,776.89 88.90	148.17
40 05 23 43-0206 Plug Valves <small>(40 05 23 43-0153)</small>		
40 05 23 43-0207 EA 1/2" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	446.50 11.82	19.72
40 05 23 43-0208 EA 3/4" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	488.45 13.55	22.59
40 05 23 43-0209 EA 1" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	551.26 17.92	29.91
40 05 23 43-0210 EA 1-1/2" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	768.85 20.28	33.80
40 05 23 43-0211 EA 2" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,000.25 27.78	46.30
40 05 23 43-0212 Cut And Prepare Existing Pipe In-Place <small>(40 05 23 43-0011)</small>		
Note: For use when connecting pipe to an existing in-place system.		
40 05 23 43-0213 EA Cut And Prepare 1/2" Stainless Steel Pipe	19.11	
40 05 23 43-0214 EA Cut And Prepare 3/4" Stainless Steel Pipe	20.64	
40 05 23 43-0215 EA Cut And Prepare 1" Stainless Steel Pipe.....	23.22	
40 05 23 43-0216 EA Cut And Prepare 1-1/4" Stainless Steel Pipe.....	24.37	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0217	EA		Cut And Prepare 1-1/2" Stainless Steel Pipe	25.80	
40 05 23 43-0218	EA		Cut And Prepare 2" Stainless Steel Pipe	27.71	
40 05 23 43-0219	EA		Cut And Prepare 2-1/2" Stainless Steel Pipe	29.62	
40 05 23 43-0220	EA		Cut And Prepare 3" Stainless Steel Pipe	32.49	
40 05 23 43-0221	EA		Cut And Prepare 4" Stainless Steel Pipe	35.35	
40 05 23 43-0222	EA		Cut And Prepare 6" Stainless Steel Pipe	38.22	
40 05 23 43-0223	EA		Cut And Prepare 8" Stainless Steel Pipe	41.09	
40 05 23 43-0224	EA		Cut And Prepare 10" Stainless Steel Pipe	44.92	
40 05 23 43-0225	EA		Cut And Prepare 12" Stainless Steel Pipe	48.74	
40 05 23 43-0226	EA		Cut And Prepare 14" Stainless Steel Pipe	52.55	
40 05 23 43-0227	EA		Cut And Prepare 16" Stainless Steel Pipe	56.37	
40 05 23 43-0228	EA		Cut And Prepare 18" Stainless Steel Pipe	59.25	
40 05 23 43-0229	EA		Cut And Prepare 20" Stainless Steel Pipe	62.12	
40 05 23 43-0230	EA		Cut And Prepare 24" Stainless Steel Pipe	65.94	
40 05 23 43-0231			Stainless Steel Pipe And Fittings (40 05 23 43)		
40 05 23 43-0232			Type 304, Schedule 40 Stainless Steel Pipe And 150 LB Threaded Fittings (40 05 23 43-0231)		
40 05 23 43-0233			Type 304, Schedule 40 Stainless Steel Threaded Pipe (40 05 23 43-0232)		
40 05 23 43-0234	LF		1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	13.48	3.98
			<i>For Work In Restricted Working Space, Add</i>	2.39	
40 05 23 43-0235	LF		3/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	16.61	5.00
			<i>For Work In Restricted Working Space, Add</i>	2.99	
40 05 23 43-0236	LF		1" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	20.39	6.02
			<i>For Work In Restricted Working Space, Add</i>	3.58	
40 05 23 43-0237	LF		1-1/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	24.48	6.94
			<i>For Work In Restricted Working Space, Add</i>	4.18	
40 05 23 43-0238	LF		1-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	28.31	7.87
			<i>For Work In Restricted Working Space, Add</i>	4.75	
40 05 23 43-0239	LF		2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	36.15	10.00
			<i>For Work In Restricted Working Space, Add</i>	5.97	
40 05 23 43-0240	LF		2-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	48.81	11.85
			<i>For Work In Restricted Working Space, Add</i>	7.13	
40 05 23 43-0241	LF		3" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	61.36	14.91
			<i>For Work In Restricted Working Space, Add</i>	8.96	
40 05 23 43-0242	LF		4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	82.99	19.72
			<i>For Work In Restricted Working Space, Add</i>	11.82	
40 05 23 43-0243			150#, Type 304 Stainless Steel Threaded 90 Degree Elbows (40 05 23 43-0232)		
40 05 23 43-0244	EA		1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	31.87	14.91
			<i>For Work In Restricted Working Space, Add</i>	8.96	
40 05 23 43-0245	EA		3/4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	42.25	19.72
			<i>For Work In Restricted Working Space, Add</i>	11.82	
40 05 23 43-0246	EA		1", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	54.19	25.01
			<i>For Work In Restricted Working Space, Add</i>	15.02	
40 05 23 43-0247	EA		1-1/4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	75.66	34.26
			<i>For Work In Restricted Working Space, Add</i>	20.58	
40 05 23 43-0248	EA		1-1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	89.93	40.28
			<i>For Work In Restricted Working Space, Add</i>	24.16	
40 05 23 43-0249	EA		2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	109.42	48.72
			<i>For Work In Restricted Working Space, Add</i>	29.24	
40 05 23 43-0250	EA		2-1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	181.54	77.14
			<i>For Work In Restricted Working Space, Add</i>	46.31	
40 05 23 43-0251	EA		3", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	233.80	99.55
			<i>For Work In Restricted Working Space, Add</i>	59.75	
40 05 23 43-0252	EA		4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	314.55	123.44
			<i>For Work In Restricted Working Space, Add</i>	74.09	
40 05 23 43-0253			150#, Type 304 Stainless Steel Threaded 45 Degree Elbows (40 05 23 43-0232)		
40 05 23 43-0254	EA		1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	32.32	14.91
			<i>For Work In Restricted Working Space, Add</i>	8.96	
40 05 23 43-0255	EA		3/4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	42.99	19.72
			<i>For Work In Restricted Working Space, Add</i>	11.82	
40 05 23 43-0256	EA		1", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	54.42	25.01
			<i>For Work In Restricted Working Space, Add</i>	15.02	
40 05 23 43-0257	EA		1-1/4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	75.58	34.26
			<i>For Work In Restricted Working Space, Add</i>	20.58	
40 05 23 43-0258	EA		1-1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	88.83	40.28
			<i>For Work In Restricted Working Space, Add</i>	24.16	
40 05 23 43-0259	EA		2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	109.17	48.72
			<i>For Work In Restricted Working Space, Add</i>	29.24	
40 05 23 43-0260	EA		2-1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	186.49	77.14
			<i>For Work In Restricted Working Space, Add</i>	46.31	
40 05 23 43-0261	EA		3", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	243.46	99.55
			<i>For Work In Restricted Working Space, Add</i>	59.75	
40 05 23 43-0262	EA		4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	325.80	123.44
			<i>For Work In Restricted Working Space, Add</i>	74.09	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0263 150#, Type 304 Stainless Steel Threaded Tees <small>(40 05 23 43-0232)</small>						
40 05 23 43-0264	EA			1/2", 150#, Type 304 Stainless Steel Threaded Tee.....	47.87	22.59
				<i>For Work In Restricted Working Space, Add</i>	13.55	
40 05 23 43-0265	EA			3/4", 150#, Type 304 Stainless Steel Threaded Tee.....	64.02	29.91
				<i>For Work In Restricted Working Space, Add</i>	17.92	
40 05 23 43-0266	EA			1", 150#, Type 304 Stainless Steel Threaded Tee.....	79.53	37.04
				<i>For Work In Restricted Working Space, Add</i>	22.22	
40 05 23 43-0267	EA			1-1/4", 150#, Type 304 Stainless Steel Threaded Tee	113.73	51.49
				<i>For Work In Restricted Working Space, Add</i>	30.87	
40 05 23 43-0268	EA			1-1/2", 150#, Type 304 Stainless Steel Threaded Tee	129.23	57.88
				<i>For Work In Restricted Working Space, Add</i>	34.73	
40 05 23 43-0269	EA			2", 150#, Type 304 Stainless Steel Threaded Tee.....	171.65	77.14
				<i>For Work In Restricted Working Space, Add</i>	46.31	
40 05 23 43-0270	EA			2-1/2", 150#, Type 304 Stainless Steel Threaded Tee	260.24	111.59
				<i>For Work In Restricted Working Space, Add</i>	66.95	
40 05 23 43-0271	EA			3", 150#, Type 304 Stainless Steel Threaded Tee.....	352.18	149.38
				<i>For Work In Restricted Working Space, Add</i>	89.62	
40 05 23 43-0272	EA			4", 150#, Type 304 Stainless Steel Threaded Tee.....	466.97	185.21
				<i>For Work In Restricted Working Space, Add</i>	111.13	
40 05 23 43-0273 150#, Type 304 Stainless Steel Threaded Reducers <small>(40 05 23 43-0232)</small>						
40 05 23 43-0274	EA			3/4", 150#, Type 304 Stainless Steel Threaded Reducer	41.90	19.72
				<i>For Work In Restricted Working Space, Add</i>	11.82	
40 05 23 43-0275	EA			1", 150#, Type 304 Stainless Steel Threaded Reducer	53.46	25.01
				<i>For Work In Restricted Working Space, Add</i>	15.02	
40 05 23 43-0276	EA			1-1/4", 150#, Type 304 Stainless Steel Threaded Reducer	73.59	34.26
				<i>For Work In Restricted Working Space, Add</i>	20.58	
40 05 23 43-0277	EA			1-1/2", 150#, Type 304 Stainless Steel Threaded Reducer	87.70	40.28
				<i>For Work In Restricted Working Space, Add</i>	24.16	
40 05 23 43-0278	EA			2", 150#, Type 304 Stainless Steel Threaded Reducer	109.47	48.72
				<i>For Work In Restricted Working Space, Add</i>	29.24	
40 05 23 43-0279	EA			2-1/2", 150#, Type 304 Stainless Steel Threaded Reducer	180.08	77.14
				<i>For Work In Restricted Working Space, Add</i>	46.31	
40 05 23 43-0280	EA			3", 150#, Type 304 Stainless Steel Threaded Reducer	235.79	99.55
				<i>For Work In Restricted Working Space, Add</i>	59.75	
40 05 23 43-0281	EA			4", 150#, Type 304 Stainless Steel Threaded Reducer	307.64	123.44
				<i>For Work In Restricted Working Space, Add</i>	74.09	
40 05 23 43-0282 150#, Type 304 Stainless Steel Threaded Caps <small>(40 05 23 43-0232)</small>						
40 05 23 43-0283	EA			1/2", 150#, Type 304 Stainless Steel Threaded Cap	16.25	7.50
				<i>For Work In Restricted Working Space, Add</i>	4.48	
40 05 23 43-0284	EA			3/4", 150#, Type 304 Stainless Steel Threaded Cap	21.56	10.00
				<i>For Work In Restricted Working Space, Add</i>	5.97	
40 05 23 43-0285	EA			1", 150#, Type 304 Stainless Steel Threaded Cap	27.17	12.32
				<i>For Work In Restricted Working Space, Add</i>	7.41	
40 05 23 43-0286	EA			1-1/4", 150#, Type 304 Stainless Steel Threaded Cap	39.44	17.50
				<i>For Work In Restricted Working Space, Add</i>	10.49	
40 05 23 43-0287	EA			1-1/2", 150#, Type 304 Stainless Steel Threaded Cap	45.30	19.72
				<i>For Work In Restricted Working Space, Add</i>	11.82	
40 05 23 43-0288	EA			2", 150#, Type 304 Stainless Steel Threaded Cap	57.56	25.01
				<i>For Work In Restricted Working Space, Add</i>	15.02	
40 05 23 43-0289	EA			2-1/2", 150#, Type 304 Stainless Steel Threaded Cap	87.64	37.04
				<i>For Work In Restricted Working Space, Add</i>	22.22	
40 05 23 43-0290	EA			3", 150#, Type 304 Stainless Steel Threaded Cap	116.22	48.72
				<i>For Work In Restricted Working Space, Add</i>	29.24	
40 05 23 43-0291	EA			4", 150#, Type 304 Stainless Steel Threaded Cap	155.18	61.77
				<i>For Work In Restricted Working Space, Add</i>	37.04	
40 05 23 43-0292 150#, Type 304 Stainless Steel Threaded Unions <small>(40 05 23 43-0232)</small>						
40 05 23 43-0293	EA			1/2", 150#, Type 304 Stainless Steel Threaded Union	50.75	22.59
				<i>For Work In Restricted Working Space, Add</i>	13.55	
40 05 23 43-0294	EA			3/4", 150#, Type 304 Stainless Steel Threaded Union	66.80	29.91
				<i>For Work In Restricted Working Space, Add</i>	17.92	
40 05 23 43-0295	EA			1", 150#, Type 304 Stainless Steel Threaded Union	84.75	37.04
				<i>For Work In Restricted Working Space, Add</i>	22.22	
40 05 23 43-0296	EA			1-1/4", 150#, Type 304 Stainless Steel Threaded Union	121.41	51.49
				<i>For Work In Restricted Working Space, Add</i>	30.87	
40 05 23 43-0297	EA			1-1/2", 150#, Type 304 Stainless Steel Threaded Union	136.67	57.88
				<i>For Work In Restricted Working Space, Add</i>	34.73	
40 05 23 43-0298	EA			2", 150#, Type 304 Stainless Steel Threaded Union	179.40	77.14
				<i>For Work In Restricted Working Space, Add</i>	46.31	
40 05 23 43-0299	EA			2-1/2", 150#, Type 304 Stainless Steel Threaded Union	299.37	115.76
				<i>For Work In Restricted Working Space, Add</i>	69.46	
40 05 23 43-0300	EA			3", 150#, Type 304 Stainless Steel Threaded Union	384.19	149.38
				<i>For Work In Restricted Working Space, Add</i>	89.63	
40 05 23 43-0301	EA			4", 150#, Type 304 Stainless Steel Threaded Union	385.67	123.49
				<i>For Work In Restricted Working Space, Add</i>	74.10	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0302			150#, Type 304 Stainless Steel Threaded Couplings (40 05 23 43-0232)		
40 05 23 43-0303	EA		1/2", 150#, Type 304 Stainless Steel Threaded Coupling.....	31.67	14.91
			<i>For Work In Restricted Working Space, Add</i>	8.96	
40 05 23 43-0304	EA		3/4", 150#, Type 304 Stainless Steel Threaded Coupling.....	41.99	19.72
			<i>For Work In Restricted Working Space, Add</i>	11.82	
40 05 23 43-0305	EA		1", 150#, Type 304 Stainless Steel Threaded Coupling.....	53.98	25.01
			<i>For Work In Restricted Working Space, Add</i>	15.02	
40 05 23 43-0306	EA		1-1/4", 150#, Type 304 Stainless Steel Threaded Coupling.....	74.85	34.26
			<i>For Work In Restricted Working Space, Add</i>	20.58	
40 05 23 43-0307	EA		1-1/2", 150#, Type 304 Stainless Steel Threaded Coupling.....	87.94	40.28
			<i>For Work In Restricted Working Space, Add</i>	24.16	
40 05 23 43-0308	EA		2", 150#, Type 304 Stainless Steel Threaded Coupling.....	107.94	48.72
			<i>For Work In Restricted Working Space, Add</i>	29.24	
40 05 23 43-0309	EA		2-1/2", 150#, Type 304 Stainless Steel Threaded Coupling.....	177.31	77.14
			<i>For Work In Restricted Working Space, Add</i>	46.31	
40 05 23 43-0310	EA		3", 150#, Type 304 Stainless Steel Threaded Coupling.....	228.84	99.55
			<i>For Work In Restricted Working Space, Add</i>	59.75	
40 05 23 43-0311	EA		4", 150#, Type 304 Stainless Steel Threaded Coupling.....	293.09	123.44
			<i>For Work In Restricted Working Space, Add</i>	74.09	
40 05 23 43-0312			Type 316, Schedule 40 Stainless Steel Pipe And 150 LB Threaded Fittings		
			(40 05 23 43-0231)		
40 05 23 43-0313			Type 316, Schedule 40 Stainless Steel Threaded Pipe (40 05 23 43-0312)		
40 05 23 43-0314	LF		1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	16.41	3.98
			<i>For Work In Restricted Working Space, Add</i>	2.39	
40 05 23 43-0315	LF		3/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	19.49	5.00
			<i>For Work In Restricted Working Space, Add</i>	2.99	
40 05 23 43-0316	LF		1" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	24.53	6.02
			<i>For Work In Restricted Working Space, Add</i>	3.58	
40 05 23 43-0317	LF		1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	29.90	6.94
			<i>For Work In Restricted Working Space, Add</i>	4.18	
40 05 23 43-0318	LF		1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	34.73	7.87
			<i>For Work In Restricted Working Space, Add</i>	4.75	
40 05 23 43-0319	LF		2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	44.74	10.00
			<i>For Work In Restricted Working Space, Add</i>	5.97	
40 05 23 43-0320	LF		2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	60.83	11.85
			<i>For Work In Restricted Working Space, Add</i>	7.13	
40 05 23 43-0321	LF		3" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	79.28	14.91
			<i>For Work In Restricted Working Space, Add</i>	8.96	
40 05 23 43-0322	LF		4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	106.31	19.72
			<i>For Work In Restricted Working Space, Add</i>	11.82	
40 05 23 43-0323			150#, Type 316 Stainless Steel Threaded 90 Degree Elbows (40 05 23 43-0312)		
40 05 23 43-0324	EA		1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	32.46	14.91
			<i>For Work In Restricted Working Space, Add</i>	8.96	
40 05 23 43-0325	EA		3/4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	43.14	19.72
			<i>For Work In Restricted Working Space, Add</i>	11.82	
40 05 23 43-0326	EA		1", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	54.73	25.01
			<i>For Work In Restricted Working Space, Add</i>	15.02	
40 05 23 43-0327	EA		1-1/4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	76.64	34.26
			<i>For Work In Restricted Working Space, Add</i>	20.58	
40 05 23 43-0328	EA		1-1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	91.24	40.28
			<i>For Work In Restricted Working Space, Add</i>	24.16	
40 05 23 43-0329	EA		2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	111.04	48.72
			<i>For Work In Restricted Working Space, Add</i>	29.24	
40 05 23 43-0330	EA		2-1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	184.12	77.14
			<i>For Work In Restricted Working Space, Add</i>	46.31	
40 05 23 43-0331	EA		3", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	240.12	99.55
			<i>For Work In Restricted Working Space, Add</i>	59.75	
40 05 23 43-0332	EA		4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	322.24	123.44
			<i>For Work In Restricted Working Space, Add</i>	74.09	
40 05 23 43-0333			150#, Type 316 Stainless Steel Threaded 45 Degree Elbows (40 05 23 43-0312)		
40 05 23 43-0334	EA		1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	32.95	14.91
			<i>For Work In Restricted Working Space, Add</i>	8.96	
40 05 23 43-0335	EA		3/4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	43.45	19.72
			<i>For Work In Restricted Working Space, Add</i>	11.82	
40 05 23 43-0336	EA		1", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	55.09	25.01
			<i>For Work In Restricted Working Space, Add</i>	15.02	
40 05 23 43-0337	EA		1-1/4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	76.54	34.26
			<i>For Work In Restricted Working Space, Add</i>	20.58	
40 05 23 43-0338	EA		1-1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	89.97	40.28
			<i>For Work In Restricted Working Space, Add</i>	24.16	
40 05 23 43-0339	EA		2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	110.68	48.72
			<i>For Work In Restricted Working Space, Add</i>	29.24	
40 05 23 43-0340	EA		2-1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	188.92	77.14
			<i>For Work In Restricted Working Space, Add</i>	46.31	
40 05 23 43-0341	EA		3", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	249.06	99.55
			<i>For Work In Restricted Working Space, Add</i>	59.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0342 EA 4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	340.91 74.09	123.44
40 05 23 43-0343 150#, Type 316 Stainless Steel Threaded Tees (40 05 23 43-0312)		
40 05 23 43-0344 EA 1/2", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	48.51 13.55	22.59
40 05 23 43-0345 EA 3/4", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	64.67 17.92	29.91
40 05 23 43-0346 EA 1", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	80.25 22.22	37.04
40 05 23 43-0347 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	115.21 30.87	51.49
40 05 23 43-0348 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	130.69 34.73	57.88
40 05 23 43-0349 EA 2", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	173.57 46.31	77.14
40 05 23 43-0350 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	268.10 66.95	111.59
40 05 23 43-0351 EA 3", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	362.89 89.62	149.38
40 05 23 43-0352 EA 4", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	474.95 111.13	185.21
40 05 23 43-0353 150#, Type 316 Stainless Steel Threaded Reducers (40 05 23 43-0312)		
40 05 23 43-0354 EA 3/4", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	42.45 11.82	19.72
40 05 23 43-0355 EA 1", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	55.08 15.02	25.01
40 05 23 43-0356 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	73.90 20.58	34.26
40 05 23 43-0357 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	89.29 24.16	40.28
40 05 23 43-0358 EA 2", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	112.26 29.24	48.72
40 05 23 43-0359 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	186.41 46.31	77.14
40 05 23 43-0360 EA 3", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	242.80 59.75	99.55
40 05 23 43-0361 EA 4", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	319.31 74.09	123.44
40 05 23 43-0362 150#, Type 316 Stainless Steel Threaded Caps (40 05 23 43-0312)		
40 05 23 43-0363 EA 1/2", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	16.61 4.48	7.50
40 05 23 43-0364 EA 3/4", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	21.83 5.97	10.00
40 05 23 43-0365 EA 1", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	27.64 7.41	12.32
40 05 23 43-0366 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	40.75 10.49	17.50
40 05 23 43-0367 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	46.86 11.82	19.72
40 05 23 43-0368 EA 2", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	59.58 15.02	25.01
40 05 23 43-0369 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	90.98 22.22	37.04
40 05 23 43-0370 EA 3", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	119.62 29.24	48.72
40 05 23 43-0371 EA 4", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	161.92 37.04	61.77
40 05 23 43-0372 150#, Type 316 Stainless Steel Threaded Unions (40 05 23 43-0312)		
40 05 23 43-0373 EA 1/2", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	51.51 13.55	22.59
40 05 23 43-0374 EA 3/4", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	69.69 17.92	29.91
40 05 23 43-0375 EA 1", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	86.21 22.22	37.04
40 05 23 43-0376 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	123.89 30.87	51.49
40 05 23 43-0377 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	139.58 34.73	57.88
40 05 23 43-0378 EA 2", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	182.76 46.31	77.14
40 05 23 43-0379 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	304.52 69.46	115.76
40 05 23 43-0380 EA 3", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	400.25 89.63	149.38

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0381	EA		4", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	419.92 74.10	123.49
40 05 23 43-0382			150#, Type 316 Stainless Steel Threaded Couplings (40 05 23 43-0312)		
40 05 23 43-0383	EA		1/2", 150#, Type 316 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	32.88 8.96	14.91
40 05 23 43-0384	EA		3/4", 150#, Type 316 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	42.55 11.82	19.72
40 05 23 43-0385	EA		1", 150#, Type 316 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	54.52 15.02	25.01
40 05 23 43-0386	EA		1-1/4", 150#, Type 316 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	75.70 20.58	34.26
40 05 23 43-0387	EA		1-1/2", 150#, Type 316 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	88.96 24.16	40.28
40 05 23 43-0388	EA		2", 150#, Type 316 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	109.36 29.24	48.72
40 05 23 43-0389	EA		2-1/2", 150#, Type 316 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	182.25 46.31	77.14
40 05 23 43-0390	EA		3", 150#, Type 316 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	235.21 59.75	99.55
40 05 23 43-0391	EA		4", 150#, Type 316 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	302.64 74.09	123.44
40 05 23 43-0392			Type 304, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 43-0231)		
40 05 23 43-0393			Type 304, Schedule 10 Stainless Steel Pipe (40 05 23 43-0392)		
40 05 23 43-0394	LF		1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	14.92 2.33	3.88
40 05 23 43-0395	LF		3/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	17.78 2.85	4.75
40 05 23 43-0396	LF		1" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	23.48 3.34	5.60
40 05 23 43-0397	LF		1-1/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	28.68 4.18	6.99
40 05 23 43-0398	LF		1-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	31.92 4.71	7.86
40 05 23 43-0399	LF		2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	39.47 5.83	9.75
40 05 23 43-0400	LF		2-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	47.13 6.66	11.13
40 05 23 43-0401	LF		3" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	55.55 7.50	12.51
40 05 23 43-0402	LF		4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	69.68 8.88	14.83
40 05 23 43-0403	LF		6" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	101.42 11.66	19.50
40 05 23 43-0404	LF		8" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	168.97 21.95	34.17
40 05 23 43-0405	LF		10" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	215.38 24.14	37.56
40 05 23 43-0406	LF		12" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	257.57 26.83	41.76
40 05 23 43-0407	LF		14" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	316.58 30.18	46.95
40 05 23 43-0408	LF		16" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	348.71 34.49	53.66
40 05 23 43-0409	LF		18" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	390.87 40.24	62.60
40 05 23 43-0410	LF		20" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	541.85 48.29	75.12
40 05 23 43-0411	LF		24" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	706.36 60.36	93.90
40 05 23 43-0412			Type 304, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbow (40 05 23 43-0392)		
40 05 23 43-0413	EA		1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	101.33 29.50	44.26
40 05 23 43-0414	EA		3/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	107.37 31.31	46.97
40 05 23 43-0415	EA		1", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	118.24 34.42	51.63
40 05 23 43-0416	EA		1-1/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	129.00 37.51	56.26
40 05 23 43-0417	EA		1-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	142.48 41.42	62.13
40 05 23 43-0418	EA		2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	159.07 46.08	69.13
40 05 23 43-0419	EA		2-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	205.93 58.98	88.47
40 05 23 43-0420	EA		3", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	241.51 69.13	103.69



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0421 EA 4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	293.93 82.74	124.11
40 05 23 43-0422 EA 6", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	393.11 103.36	155.04
40 05 23 43-0423 EA 8", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	664.04 172.47	258.70
40 05 23 43-0424 EA 10", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	957.74 229.96	344.93
40 05 23 43-0425 EA 12", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,444.41 344.94	517.41
40 05 23 43-0426 EA 14", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,703.03 402.43	603.64
40 05 23 43-0427 EA 16", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,988.08 459.05	688.56
40 05 23 43-0428 EA 18", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,507.89 574.90	862.35
40 05 23 43-0429 EA 20", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,499.46 804.85	1,207.28
40 05 23 43-0430 EA 24", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	5,018.58 1,149.79	1,724.69
40 05 23 43-0431 Type 304, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbow <small>(40 05 23 43-0392)</small>		
40 05 23 43-0432 EA 1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	102.21 29.50	44.26
40 05 23 43-0433 EA 3/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	108.25 31.31	46.97
40 05 23 43-0434 EA 1", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	119.30 34.42	51.63
40 05 23 43-0435 EA 1-1/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	130.41 37.51	56.26
40 05 23 43-0436 EA 1-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	142.66 41.42	62.13
40 05 23 43-0437 EA 2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	159.07 46.08	69.13
40 05 23 43-0438 EA 2-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	205.05 58.98	88.47
40 05 23 43-0439 EA 3", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	239.92 69.13	103.69
40 05 23 43-0440 EA 4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	290.94 82.74	124.11
40 05 23 43-0441 EA 6", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	377.44 103.36	155.04
40 05 23 43-0442 EA 8", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	633.83 172.47	258.70
40 05 23 43-0443 EA 10", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	903.95 229.96	344.93
40 05 23 43-0444 EA 12", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,359.25 344.94	517.41
40 05 23 43-0445 EA 14", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,598.50 402.43	603.64
40 05 23 43-0446 EA 16", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,859.08 459.05	688.56
40 05 23 43-0447 EA 18", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,338.48 574.90	862.35
40 05 23 43-0448 EA 20", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,270.86 804.85	1,207.28
40 05 23 43-0449 EA 24", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	4,694.30 1,149.79	1,724.69
40 05 23 43-0450 Type 304, Schedule 10 Stainless Steel Butt Weld Tee <small>(40 05 23 43-0392)</small>		
40 05 23 43-0451 EA 1/2", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	134.67 37.50	56.25
40 05 23 43-0452 EA 3/4", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	163.12 46.03	69.05
40 05 23 43-0453 EA 1", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	182.08 51.72	77.59
40 05 23 43-0454 EA 1-1/4", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	207.35 58.98	88.47
40 05 23 43-0455 EA 1-1/2", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	220.72 63.31	94.97
40 05 23 43-0456 EA 2", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	240.56 69.05	103.58
40 05 23 43-0457 EA 2-1/2", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	305.10 82.74	124.11
40 05 23 43-0458 EA 3", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	364.64 103.69	155.54
40 05 23 43-0459 EA 4", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	416.41 116.37	174.56
40 05 23 43-0460 EA 6", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	593.07 155.16	232.74

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0461 EA 8", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	945.39 229.96	344.93
40 05 23 43-0462 EA 10", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	1,444.41 344.94	517.41
40 05 23 43-0463 EA 12", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	1,846.48 431.17	646.75
40 05 23 43-0464 EA 14", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	2,260.76 518.15	777.22
40 05 23 43-0465 EA 16", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	2,742.39 632.08	948.12
40 05 23 43-0466 EA 18", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	3,490.07 804.85	1,207.28
40 05 23 43-0467 EA 20", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	4,652.14 1,059.02	1,588.53
40 05 23 43-0468 EA 24", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	6,993.48 1,609.71	2,414.56
40 05 23 43-0469 Type 304, Schedule 10 Stainless Steel Butt Weld Reducing Tees (40 05 23 43-0392)		
40 05 23 43-0470 EA 3/4", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	121.68 31.33	46.99
40 05 23 43-0471 EA 1", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	145.22 38.39	57.59
40 05 23 43-0472 EA 1-1/4", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	175.27 43.13	64.70
40 05 23 43-0473 EA 1-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	185.56 49.17	73.77
40 05 23 43-0474 EA 2", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	195.68 52.84	79.26
40 05 23 43-0475 EA 2-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	244.93 57.59	86.37
40 05 23 43-0476 EA 3", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	289.57 69.02	103.54
40 05 23 43-0477 EA 4", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	357.96 86.27	129.41
40 05 23 43-0478 EA 6", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	458.46 98.57	147.86
40 05 23 43-0479 EA 8", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	822.73 143.72	215.58
40 05 23 43-0480 EA 10", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	1,316.80 191.63	287.45
40 05 23 43-0481 EA 12", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	1,893.36 287.45	431.17
40 05 23 43-0482 EA 14", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	2,294.16 345.33	518.00
40 05 23 43-0483 EA 16", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	2,835.68 421.24	631.86
40 05 23 43-0484 EA 18", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	3,655.36 536.57	804.86
40 05 23 43-0485 EA 20", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	5,148.95 706.01	1,059.01
40 05 23 43-0486 EA 24", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	8,026.42 1,072.19	1,608.27
40 05 23 43-0487 Type 304, Schedule 10 Stainless Steel Butt Weld Reducers (40 05 23 43-0392)		
40 05 23 43-0488 EA 3/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	100.95 28.49	42.74
40 05 23 43-0489 EA 1", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	110.88 31.05	46.57
40 05 23 43-0490 EA 1-1/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	122.91 34.42	51.63
40 05 23 43-0491 EA 1-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	131.54 37.51	56.26
40 05 23 43-0492 EA 2", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	143.89 41.42	62.13
40 05 23 43-0493 EA 2-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	189.79 51.76	77.65
40 05 23 43-0494 EA 3", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	214.91 58.93	88.40
40 05 23 43-0495 EA 4", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	251.33 69.05	103.58
40 05 23 43-0496 EA 6", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	323.31 87.91	131.86
40 05 23 43-0497 EA 8", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	508.54 137.98	206.97
40 05 23 43-0498 EA 10", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	644.28 172.47	258.70
40 05 23 43-0499 EA 12", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	864.79 229.96	344.93
40 05 23 43-0500 EA 14", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,210.46 301.82	452.73
40 05 23 43-0501 EA 16", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,407.70 343.95	515.93



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0502 EA 18", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,739.66 431.17	646.75
40 05 23 43-0503 EA 20", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,415.92 574.90	862.35
40 05 23 43-0504 EA 24", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	3,512.48 862.34	1,293.52
40 05 23 43-0505 EA 3/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	117.50 28.49	42.74
40 05 23 43-0506 EA 1", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	123.03 31.05	46.57
40 05 23 43-0507 EA 1-1/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	131.23 34.42	51.63
40 05 23 43-0508 EA 1-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	146.68 37.51	56.26
40 05 23 43-0509 EA 2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	154.80 41.42	62.13
40 05 23 43-0510 EA 2-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	201.76 51.76	77.65
40 05 23 43-0511 EA 3", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	226.70 58.93	88.40
40 05 23 43-0512 EA 4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	260.45 69.05	103.58
40 05 23 43-0513 EA 6", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	356.22 87.91	131.86
40 05 23 43-0514 EA 8", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	579.09 137.98	206.97
40 05 23 43-0515 EA 10", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	781.90 172.47	258.70
40 05 23 43-0516 EA 12", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	991.95 229.96	344.93
40 05 23 43-0517 EA 14", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,503.81 301.82	452.73
40 05 23 43-0518 EA 16", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,743.83 343.95	515.93
40 05 23 43-0519 EA 18", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,149.89 431.17	646.75
40 05 23 43-0520 EA 20", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	3,073.30 574.90	862.35
40 05 23 43-0521 EA 24", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	4,383.71 862.34	1,293.52
40 05 23 43-0522 Type 304, Schedule 10 Stainless Steel Butt Weld Caps (40 05 23 43-0392)		
40 05 23 43-0523 EA 1/2", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	54.63 14.75	22.13
40 05 23 43-0524 EA 3/4", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	59.59 15.66	23.48
40 05 23 43-0525 EA 1", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	65.46 17.21	25.81
40 05 23 43-0526 EA 1-1/4", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	71.93 18.75	28.13
40 05 23 43-0527 EA 1-1/2", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	77.66 20.71	31.07
40 05 23 43-0528 EA 2", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	84.37 23.04	34.56
40 05 23 43-0529 EA 2-1/2", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	109.21 29.49	44.24
40 05 23 43-0530 EA 3", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	124.54 34.56	51.85
40 05 23 43-0531 EA 4", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	149.87 41.37	62.06
40 05 23 43-0532 EA 6", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	192.08 51.76	77.65
40 05 23 43-0533 EA 8", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	322.62 86.24	129.35
40 05 23 43-0534 EA 10", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	429.73 114.98	172.48
40 05 23 43-0535 EA 12", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	635.44 172.47	258.69
40 05 23 43-0536 EA 14", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	744.91 201.21	301.82
40 05 23 43-0537 EA 16", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	860.78 229.52	344.28
40 05 23 43-0538 EA 18", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,085.28 287.45	431.17
40 05 23 43-0539 EA 20", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,503.05 402.43	603.64
40 05 23 43-0540 EA 24", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	2,201.12 574.90	862.34
40 05 23 43-0541 Type 304, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 43-0231)		
40 05 23 43-0542 Type 304, Schedule 40 Stainless Steel Pipe (40 05 23 43-0541)		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0543	LF		1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	16.68 2.33	3.88
40 05 23 43-0544	LF		3/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	20.28 2.85	4.75
40 05 23 43-0545	LF		1" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	24.83 3.34	5.60
40 05 23 43-0546	LF		1-1/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	31.03 4.18	6.90
40 05 23 43-0547	LF		1-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	35.73 4.71	7.76
40 05 23 43-0548	LF		2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	45.75 5.83	9.92
40 05 23 43-0549	LF		2-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	56.71 6.66	11.22
40 05 23 43-0550	LF		3" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	55.38 7.50	12.51
40 05 23 43-0551	LF		4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	91.04 8.88	14.66
40 05 23 43-0552	LF		6" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	141.50 11.66	19.41
40 05 23 43-0553	LF		8" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	249.13 21.95	33.98
40 05 23 43-0554	LF		10" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	315.09 24.14	37.56
40 05 23 43-0555	LF		12" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	392.47 26.83	41.59
40 05 23 43-0556			Type 304, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows <small>(40 05 23 43-0541)</small>		
40 05 23 43-0557	EA		1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	102.04 29.50	44.26
40 05 23 43-0558	EA		3/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	108.08 31.31	46.97
40 05 23 43-0559	EA		1", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	118.77 34.42	51.63
40 05 23 43-0560	EA		1-1/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	129.38 37.51	56.26
40 05 23 43-0561	EA		1-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	142.83 41.42	62.13
40 05 23 43-0562	EA		2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	160.30 46.08	69.13
40 05 23 43-0563	EA		2-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	210.50 58.98	88.47
40 05 23 43-0564	EA		3", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	248.20 69.13	103.69
40 05 23 43-0565	EA		4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	305.19 82.74	124.11
40 05 23 43-0566	EA		6", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	465.09 103.36	155.04
40 05 23 43-0567	EA		8", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	762.13 172.47	258.70
40 05 23 43-0568	EA		10", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,156.76 229.96	344.93
40 05 23 43-0569	EA		12", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,702.54 344.94	517.41
40 05 23 43-0570	EA		14", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,016.17 402.43	603.64
40 05 23 43-0571	EA		16", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,390.36 459.05	688.56
40 05 23 43-0572	EA		18", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,066.84 574.90	862.35
40 05 23 43-0573	EA		20", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	4,189.36 804.85	1,207.28
40 05 23 43-0574	EA		24", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	6,002.84 1,149.79	1,724.69
40 05 23 43-0575			Type 304, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows <small>(40 05 23 43-0541)</small>		
40 05 23 43-0576	EA		1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	103.27 29.50	44.26
40 05 23 43-0577	EA		3/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	109.31 31.31	46.97
40 05 23 43-0578	EA		1", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	119.65 34.42	51.63
40 05 23 43-0579	EA		1-1/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	130.28 37.51	56.26
40 05 23 43-0580	EA		1-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	143.71 41.42	62.13
40 05 23 43-0581	EA		2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	160.49 46.08	69.13
40 05 23 43-0582	EA		2-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	210.50 58.98	88.47



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0583 EA 3", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	243.27 69.13	103.69
40 05 23 43-0584 EA 4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	307.83 82.74	124.11
40 05 23 43-0585 EA 6", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	405.07 103.36	155.04
40 05 23 43-0586 EA 8", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	699.21 172.47	258.70
40 05 23 43-0587 EA 10", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	999.57 229.96	344.93
40 05 23 43-0588 EA 12", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,470.65 344.94	517.41
40 05 23 43-0589 EA 14", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,677.06 402.43	603.64
40 05 23 43-0590 EA 16", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,986.61 459.05	688.56
40 05 23 43-0591 EA 18", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,503.56 574.90	862.35
40 05 23 43-0592 EA 20", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,429.30 804.85	1,207.28
40 05 23 43-0593 EA 24", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	4,963.31 1,149.79	1,724.69
 40 05 23 43-0594 Type 304, Schedule 40 Stainless Steel Butt Weld Tees (40 05 23 43-0541)		
40 05 23 43-0595 EA 1/2", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	135.37 37.50	56.25
40 05 23 43-0596 EA 3/4", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	163.82 46.03	69.05
40 05 23 43-0597 EA 1", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	182.78 51.72	77.59
40 05 23 43-0598 EA 1-1/4", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	209.14 58.98	88.47
40 05 23 43-0599 EA 1-1/2", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	221.42 63.31	94.97
40 05 23 43-0600 EA 2", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	241.44 69.05	103.58
40 05 23 43-0601 EA 2-1/2", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	307.48 82.74	124.11
40 05 23 43-0602 EA 3", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	368.33 103.69	155.54
40 05 23 43-0603 EA 4", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	420.46 116.37	174.56
40 05 23 43-0604 EA 6", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	621.05 155.16	232.74
40 05 23 43-0605 EA 8", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	1,028.45 229.96	344.93
40 05 23 43-0606 EA 10", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	1,699.32 344.94	517.41
40 05 23 43-0607 EA 12", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	2,115.26 431.17	646.75
40 05 23 43-0608 EA 14", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	2,802.35 518.15	777.22
40 05 23 43-0609 EA 16", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	3,533.08 632.08	948.12
40 05 23 43-0610 EA 18", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	4,563.62 804.85	1,207.28
40 05 23 43-0611 EA 20", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	5,911.40 1,059.02	1,588.53
40 05 23 43-0612 EA 24", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	9,038.67 1,609.71	2,414.56
 40 05 23 43-0613 Type 304, Schedule 40 Stainless Steel Butt Weld Reducing Tees (40 05 23 43-0541)		
40 05 23 43-0614 EA 3/4", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	123.97 31.33	46.99
40 05 23 43-0615 EA 1", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	147.51 38.39	57.59
40 05 23 43-0616 EA 1-1/4", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	186.28 43.13	64.70
40 05 23 43-0617 EA 1-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	188.90 49.17	73.77
40 05 23 43-0618 EA 2", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	195.68 52.84	79.26
40 05 23 43-0619 EA 2-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	233.68 57.59	86.37
40 05 23 43-0620 EA 3", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	264.75 69.02	103.54
40 05 23 43-0621 EA 4", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	344.94 86.27	129.41
40 05 23 43-0622 EA 6", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	460.57 98.57	147.86
40 05 23 43-0623 EA 8", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	748.03 143.72	215.58

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0624 EA 10", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	1,340.17 191.63	287.45
40 05 23 43-0625 EA 12", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	1,940.12 287.45	431.17
40 05 23 43-0626 EA 14", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	2,228.55 345.33	518.00
40 05 23 43-0627 EA 16", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	2,753.51 421.24	631.86
40 05 23 43-0628 EA 18", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	3,548.21 536.57	804.86
40 05 23 43-0629 EA 20", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	4,988.48 706.01	1,059.01
40 05 23 43-0630 EA 24", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	7,770.86 1,072.19	1,608.27
40 05 23 43-0631 Type 304, Schedule 40 Stainless Steel Butt Weld Reducers (40 05 23 43-0541)		
40 05 23 43-0632 EA 3/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	102.71 28.49	42.74
40 05 23 43-0633 EA 1", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	112.64 31.05	46.57
40 05 23 43-0634 EA 1-1/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	123.04 34.42	51.63
40 05 23 43-0635 EA 1-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	133.30 37.51	56.26
40 05 23 43-0636 EA 2", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	144.94 41.42	62.13
40 05 23 43-0637 EA 2-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	189.79 51.76	77.65
40 05 23 43-0638 EA 3", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	208.57 58.93	88.40
40 05 23 43-0639 EA 4", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	242.32 69.05	103.58
40 05 23 43-0640 EA 6", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	324.72 87.91	131.86
40 05 23 43-0641 EA 8", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	538.43 137.98	206.97
40 05 23 43-0642 EA 10", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	695.60 172.47	258.70
40 05 23 43-0643 EA 12", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	910.60 229.96	344.93
40 05 23 43-0644 EA 14", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,313.26 301.82	452.73
40 05 23 43-0645 EA 16", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,536.93 343.95	515.93
40 05 23 43-0646 EA 18", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,001.35 431.17	646.75
40 05 23 43-0647 EA 20", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,724.60 574.90	862.35
40 05 23 43-0648 EA 24", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	3,832.15 862.34	1,293.52
40 05 23 43-0649 EA 3/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	118.21 28.49	42.74
40 05 23 43-0650 EA 1", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	126.72 31.05	46.57
40 05 23 43-0651 EA 1-1/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	143.90 34.42	51.63
40 05 23 43-0652 EA 1-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	153.19 37.51	56.26
40 05 23 43-0653 EA 2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	164.83 41.42	62.13
40 05 23 43-0654 EA 2-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	201.76 51.76	77.65
40 05 23 43-0655 EA 3", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	248.53 58.93	88.40
40 05 23 43-0656 EA 4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	275.24 69.05	103.58
40 05 23 43-0657 EA 6", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	370.83 87.91	131.86
40 05 23 43-0658 EA 8", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	580.62 137.98	206.97
40 05 23 43-0659 EA 10", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	780.57 172.47	258.70
40 05 23 43-0660 EA 12", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,061.14 229.96	344.93
40 05 23 43-0661 EA 14", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,682.26 301.82	452.73
40 05 23 43-0662 EA 16", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,909.35 343.95	515.93
40 05 23 43-0663 EA 18", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,483.15 431.17	646.75
40 05 23 43-0664 EA 20", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	3,237.77 574.90	862.35



Process Interconnections	40
Common Work Results For Process Interconnections	40 05
Stainless Steel Process Pipe and Tubing	40 05 23

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0665 EA 24", Type 304, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	5,112.70 862.34	1,293.52
40 05 23 43-0666 Type 304, Schedule 40 Stainless Steel Butt Weld Caps (40 05 23 43-0541)		
40 05 23 43-0667 EA 1/2", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	55.15 14.75	22.13
40 05 23 43-0668 EA 3/4", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	59.06 15.66	23.48
40 05 23 43-0669 EA 1", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	65.98 17.21	25.81
40 05 23 43-0670 EA 1-1/4", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	74.29 18.75	28.13
40 05 23 43-0671 EA 1-1/2", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	79.95 20.71	31.07
40 05 23 43-0672 EA 2", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	84.19 23.04	34.56
40 05 23 43-0673 EA 2-1/2", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	108.03 29.49	44.24
40 05 23 43-0674 EA 3", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	125.24 34.56	51.85
40 05 23 43-0675 EA 4", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	151.98 41.37	62.06
40 05 23 43-0676 EA 6", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	205.10 51.76	77.65
40 05 23 43-0677 EA 8", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	343.53 86.24	129.35
40 05 23 43-0678 EA 10", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	459.30 114.98	172.48
40 05 23 43-0679 EA 12", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	691.80 172.47	258.69
40 05 23 43-0680 EA 14", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	796.53 201.21	301.82
40 05 23 43-0681 EA 16", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	931.79 229.52	344.28
40 05 23 43-0682 EA 18", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,169.44 287.45	431.17
40 05 23 43-0683 EA 20", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,615.28 402.43	603.64
40 05 23 43-0684 EA 24", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	2,388.77 574.90	862.34
40 05 23 43-0685 Type 316, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 43-0231)		
40 05 23 43-0686 Type 316, Schedule 10 Stainless Steel Pipe (40 05 23 43-0685)		
40 05 23 43-0687 LF 1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	17.16 2.33	3.88
40 05 23 43-0688 LF 3/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	20.37 2.85	4.75
40 05 23 43-0689 LF 1" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	27.34 3.34	5.60
40 05 23 43-0690 LF 1-1/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	33.29 4.18	6.99
40 05 23 43-0691 LF 1-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	36.99 4.71	7.86
40 05 23 43-0692 LF 2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	45.73 5.83	9.75
40 05 23 43-0693 LF 2-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	54.91 6.66	11.13
40 05 23 43-0694 LF 3" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	65.09 7.50	12.51
40 05 23 43-0695 LF 4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	82.20 8.88	14.83
40 05 23 43-0696 LF 6" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	120.96 11.66	19.50
40 05 23 43-0697 LF 8" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	198.89 21.95	34.17
40 05 23 43-0698 LF 10" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	257.51 24.14	37.56
40 05 23 43-0699 LF 12" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	310.08 26.83	41.76
40 05 23 43-0700 LF 14" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	384.02 30.18	46.95
40 05 23 43-0701 LF 16" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	421.71 34.49	53.66
40 05 23 43-0702 LF 18" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	471.05 40.24	62.60
40 05 23 43-0703 LF 20" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	660.80 48.29	75.12
40 05 23 43-0704 LF 24" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	864.12 60.36	93.90

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0705 Type 316, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbows (40 05 23 43-0685)		
40 05 23 43-0706 EA 1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow.....	102.21	44.26
For Work In Restricted Working Space, Add	29.50	
40 05 23 43-0707 EA 3/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow.....	108.25	46.97
For Work In Restricted Working Space, Add	31.31	
40 05 23 43-0708 EA 1", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow.....	119.30	51.63
For Work In Restricted Working Space, Add	34.42	
40 05 23 43-0709 EA 1-1/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow.....	130.53	56.26
For Work In Restricted Working Space, Add	37.51	
40 05 23 43-0710 EA 1-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow.....	143.54	62.13
For Work In Restricted Working Space, Add	41.42	
40 05 23 43-0711 EA 2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow.....	160.30	69.13
For Work In Restricted Working Space, Add	46.08	
40 05 23 43-0712 EA 2-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow.....	208.22	88.47
For Work In Restricted Working Space, Add	58.98	
40 05 23 43-0713 EA 3", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow.....	244.85	103.69
For Work In Restricted Working Space, Add	69.13	
40 05 23 43-0714 EA 4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow.....	299.03	124.11
For Work In Restricted Working Space, Add	82.74	
40 05 23 43-0715 EA 6", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow.....	406.48	155.04
For Work In Restricted Working Space, Add	103.36	
40 05 23 43-0716 EA 8", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow.....	688.95	258.70
For Work In Restricted Working Space, Add	172.47	
40 05 23 43-0717 EA 10", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow.....	1,015.33	344.93
For Work In Restricted Working Space, Add	229.96	
40 05 23 43-0718 EA 12", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow.....	1,522.92	517.41
For Work In Restricted Working Space, Add	344.94	
40 05 23 43-0719 EA 14", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow.....	1,776.91	603.64
For Work In Restricted Working Space, Add	402.43	
40 05 23 43-0720 EA 16", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow.....	2,104.93	688.56
For Work In Restricted Working Space, Add	459.05	
40 05 23 43-0721 EA 18", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow.....	2,648.01	862.35
For Work In Restricted Working Space, Add	574.90	
40 05 23 43-0722 EA 20", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow.....	3,699.62	1,207.28
For Work In Restricted Working Space, Add	804.85	
40 05 23 43-0723 EA 24", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow.....	5,316.00	1,724.69
For Work In Restricted Working Space, Add	1,149.79	
40 05 23 43-0724 Type 316, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbows (40 05 23 43-0685)		
40 05 23 43-0725 EA 1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow.....	103.27	44.26
For Work In Restricted Working Space, Add	29.50	
40 05 23 43-0726 EA 3/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow.....	109.31	46.97
For Work In Restricted Working Space, Add	31.31	
40 05 23 43-0727 EA 1", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow.....	120.35	51.63
For Work In Restricted Working Space, Add	34.42	
40 05 23 43-0728 EA 1-1/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow.....	131.94	56.26
For Work In Restricted Working Space, Add	37.51	
40 05 23 43-0729 EA 1-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow.....	143.54	62.13
For Work In Restricted Working Space, Add	41.42	
40 05 23 43-0730 EA 2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow.....	160.30	69.13
For Work In Restricted Working Space, Add	46.08	
40 05 23 43-0731 EA 2-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow.....	207.16	88.47
For Work In Restricted Working Space, Add	58.98	
40 05 23 43-0732 EA 3", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow.....	243.27	103.69
For Work In Restricted Working Space, Add	69.13	
40 05 23 43-0733 EA 4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow.....	295.34	124.11
For Work In Restricted Working Space, Add	82.74	
40 05 23 43-0734 EA 6", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow.....	384.66	155.04
For Work In Restricted Working Space, Add	103.36	
40 05 23 43-0735 EA 8", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow.....	649.79	258.70
For Work In Restricted Working Space, Add	172.47	
40 05 23 43-0736 EA 10", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow.....	999.57	344.93
For Work In Restricted Working Space, Add	229.96	
40 05 23 43-0737 EA 12", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow.....	1,470.65	517.41
For Work In Restricted Working Space, Add	344.94	
40 05 23 43-0738 EA 14", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow.....	1,727.92	603.64
For Work In Restricted Working Space, Add	402.43	
40 05 23 43-0739 EA 16", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow.....	2,015.13	688.56
For Work In Restricted Working Space, Add	459.05	
40 05 23 43-0740 EA 18", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow.....	2,542.25	862.35
For Work In Restricted Working Space, Add	574.90	
40 05 23 43-0741 EA 20", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow.....	3,604.60	1,207.28
For Work In Restricted Working Space, Add	804.85	
40 05 23 43-0742 EA 24", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow.....	5,189.44	1,724.69
For Work In Restricted Working Space, Add	1,149.79	
40 05 23 43-0743 Type 316, Schedule 10 Stainless Steel Butt Weld Tees (40 05 23 43-0685)		
40 05 23 43-0744 EA 1/2", Type 316, Schedule 10 Stainless Steel Tee.....	136.96	56.25
For Work In Restricted Working Space, Add	37.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0745 EA 3/4", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	165.41 46.03	69.05
40 05 23 43-0746 EA 1", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	184.37 51.72	77.59
40 05 23 43-0747 EA 1-1/4", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	211.58 58.98	88.47
40 05 23 43-0748 EA 1-1/2", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	224.06 63.31	94.97
40 05 23 43-0749 EA 2", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	243.56 69.05	103.58
40 05 23 43-0750 EA 2-1/2", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	295.51 82.74	124.11
40 05 23 43-0751 EA 3", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	370.45 103.69	155.54
40 05 23 43-0752 EA 4", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	424.33 116.37	174.56
40 05 23 43-0753 EA 6", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	615.77 155.16	232.74
40 05 23 43-0754 EA 8", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	1,005.07 229.96	344.93
40 05 23 43-0755 EA 10", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	1,559.03 344.94	517.41
40 05 23 43-0756 EA 12", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	1,998.35 431.17	646.75
40 05 23 43-0757 EA 14", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	2,542.36 518.15	777.22
40 05 23 43-0758 EA 16", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	3,015.10 632.08	948.12
40 05 23 43-0759 EA 18", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	3,833.19 804.85	1,207.28
40 05 23 43-0760 EA 20", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	5,152.51 1,059.02	1,588.53
40 05 23 43-0761 EA 24", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	7,432.33 1,609.71	2,414.56
40 05 23 43-0762 Type 316, Schedule 10 Stainless Steel Butt Weld Reducing Tees (40 05 23 43-0685)		
40 05 23 43-0763 EA 3/4", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	127.13 31.33	46.99
40 05 23 43-0764 EA 1", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	151.73 38.39	57.59
40 05 23 43-0765 EA 1-1/4", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	183.20 43.13	64.70
40 05 23 43-0766 EA 1-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	191.01 49.17	73.77
40 05 23 43-0767 EA 2", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	203.24 52.84	79.26
40 05 23 43-0768 EA 2-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	267.81 57.59	86.37
40 05 23 43-0769 EA 3", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	268.98 69.02	103.54
40 05 23 43-0770 EA 4", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	357.96 86.27	129.41
40 05 23 43-0771 EA 6", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	491.02 98.57	147.86
40 05 23 43-0772 EA 8", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	917.40 143.72	215.58
40 05 23 43-0773 EA 10", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	1,632.52 191.63	287.45
40 05 23 43-0774 EA 12", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	2,162.32 287.45	431.17
40 05 23 43-0775 EA 14", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	2,472.36 345.33	518.00
40 05 23 43-0776 EA 16", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	3,058.85 421.24	631.86
40 05 23 43-0777 EA 18", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	3,946.39 536.57	804.86
40 05 23 43-0778 EA 20", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	5,584.76 706.01	1,059.01
40 05 23 43-0779 EA 24", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	8,720.54 1,072.19	1,608.27
40 05 23 43-0780 Type 316, Schedule 10 Stainless Steel Butt Weld Reducers (40 05 23 43-0685)		
40 05 23 43-0781 EA 3/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	102.54 28.49	42.74
40 05 23 43-0782 EA 1", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	112.82 31.05	46.57
40 05 23 43-0783 EA 1-1/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	125.73 34.42	51.63
40 05 23 43-0784 EA 1-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	132.77 37.51	56.26
40 05 23 43-0785 EA 2", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	144.94 41.42	62.13

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0786 EA 2-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	189.05 51.76	77.65
40 05 23 43-0787 EA 3", Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	219.13 58.93	88.40
40 05 23 43-0788 EA 4", Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	243.58 69.05	103.58
40 05 23 43-0789 EA 6", Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	331.94 87.91	131.86
40 05 23 43-0790 EA 8", Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	517.56 137.98	206.97
40 05 23 43-0791 EA 10", Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	665.39 172.47	258.70
40 05 23 43-0792 EA 12", Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	889.70 229.96	344.93
40 05 23 43-0793 EA 14", Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,244.76 301.82	452.73
40 05 23 43-0794 EA 16", Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,440.18 343.95	515.93
40 05 23 43-0795 EA 18", Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,787.40 431.17	646.75
40 05 23 43-0796 EA 20", Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,489.69 574.90	862.35
40 05 23 43-0797 EA 24", Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	3,643.27 862.34	1,293.52
40 05 23 43-0798 EA 3/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	116.22 28.49	42.74
40 05 23 43-0799 EA 1", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	129.07 31.05	46.57
40 05 23 43-0800 EA 1-1/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	144.99 34.42	51.63
40 05 23 43-0801 EA 1-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	155.30 37.51	56.26
40 05 23 43-0802 EA 2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	158.85 41.42	62.13
40 05 23 43-0803 EA 2-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	208.27 51.76	77.65
40 05 23 43-0804 EA 3", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	238.85 58.93	88.40
40 05 23 43-0805 EA 4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	270.31 69.05	103.58
40 05 23 43-0806 EA 6", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	377.87 87.91	131.86
40 05 23 43-0807 EA 8", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	617.11 137.98	206.97
40 05 23 43-0808 EA 10", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	836.83 172.47	258.70
40 05 23 43-0809 EA 12", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,067.60 229.96	344.93
40 05 23 43-0810 EA 14", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,582.13 301.82	452.73
40 05 23 43-0811 EA 16", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,847.94 343.95	515.93
40 05 23 43-0812 EA 18", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,294.02 431.17	646.75
40 05 23 43-0813 EA 20", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	3,299.93 574.90	862.35
40 05 23 43-0814 EA 24", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	4,605.49 862.34	1,293.52
40 05 23 43-0815 Type 316, Schedule 10 Stainless Steel Butt Weld Caps (40 05 23 43-0665)		
40 05 23 43-0816 EA 1/2", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	56.91 14.75	22.13
40 05 23 43-0817 EA 3/4", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	62.58 15.66	23.48
40 05 23 43-0818 EA 1", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	68.62 17.21	25.81
40 05 23 43-0819 EA 1-1/4", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	74.99 18.75	28.13
40 05 23 43-0820 EA 1-1/2", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	81.36 20.71	31.07
40 05 23 43-0821 EA 2", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	86.48 23.04	34.56
40 05 23 43-0822 EA 2-1/2", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	108.54 29.49	44.24
40 05 23 43-0823 EA 3", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	128.23 34.56	51.85
40 05 23 43-0824 EA 4", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	153.56 41.37	62.06
40 05 23 43-0825 EA 6", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	198.59 51.76	77.65
40 05 23 43-0826 EA 8", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	334.21 86.24	129.35



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0827 EA 10", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	443.81 114.98	172.48
40 05 23 43-0828 EA 12", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	656.04 172.47	258.69
40 05 23 43-0829 EA 14", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	763.48 201.21	301.82
40 05 23 43-0830 EA 16", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	876.47 229.52	344.28
40 05 23 43-0831 EA 18", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,103.26 287.45	431.17
40 05 23 43-0832 EA 20", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,531.73 402.43	603.64
40 05 23 43-0833 EA 24", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	2,289.42 574.90	862.34
40 05 23 43-0834 Type 316, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 43-0834)		
40 05 23 43-0835 Type 316, Schedule 40 Stainless Steel Pipe (40 05 23 43-0834)		
40 05 23 43-0836 LF 1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	19.66 2.33	3.88
40 05 23 43-0837 LF 3/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	23.88 2.85	4.75
40 05 23 43-0838 LF 1" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	29.40 3.34	5.60
40 05 23 43-0839 LF 1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	36.75 4.18	6.90
40 05 23 43-0840 LF 1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	42.43 4.71	7.76
40 05 23 43-0841 LF 2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	54.56 5.83	9.92
40 05 23 43-0842 LF 2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	68.25 6.66	11.22
40 05 23 43-0843 LF 3" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	65.54 7.50	12.51
40 05 23 43-0844 LF 4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	111.59 8.88	14.66
40 05 23 43-0845 LF 6" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	175.84 11.66	19.41
40 05 23 43-0846 LF 8" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	307.99 21.95	33.98
40 05 23 43-0847 LF 10" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	393.58 24.14	37.56
40 05 23 43-0848 LF 12" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	493.85 26.83	41.59
40 05 23 43-0849 Type 316, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows (40 05 23 43-0834)		
40 05 23 43-0850 EA 1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	103.09 29.50	44.26
40 05 23 43-0851 EA 3/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	109.13 31.31	46.97
40 05 23 43-0852 EA 1", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	120.18 34.42	51.63
40 05 23 43-0853 EA 1-1/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	130.92 37.51	56.26
40 05 23 43-0854 EA 1-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	144.42 41.42	62.13
40 05 23 43-0855 EA 2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	162.41 46.08	69.13
40 05 23 43-0856 EA 2-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	214.73 58.98	88.47
40 05 23 43-0857 EA 3", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	254.00 69.13	103.69
40 05 23 43-0858 EA 4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	319.10 82.74	124.11
40 05 23 43-0859 EA 6", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	476.88 103.36	155.04
40 05 23 43-0860 EA 8", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	823.71 172.47	258.70
40 05 23 43-0861 EA 10", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,309.95 229.96	344.93
40 05 23 43-0862 EA 12", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,879.32 344.94	517.41
40 05 23 43-0863 EA 14", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,113.30 402.43	603.64
40 05 23 43-0864 EA 16", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,544.11 459.05	688.56
40 05 23 43-0865 EA 18", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,240.31 574.90	862.35
40 05 23 43-0866 EA 20", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	4,396.27 804.85	1,207.28

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23	43-0867	EA	24", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	6,367.56 1,149.79	1,724.69
40 05 23	43-0868		Type 316, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows <small>(40 05 23 43-0834)</small>		
40 05 23	43-0869	EA	1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	104.85 29.50	44.26
40 05 23	43-0870	EA	3/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	110.89 31.31	46.97
40 05 23	43-0871	EA	1", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	121.23 34.42	51.63
40 05 23	43-0872	EA	1-1/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	131.43 37.51	56.26
40 05 23	43-0873	EA	1-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	145.47 41.42	62.13
40 05 23	43-0874	EA	2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	162.41 46.08	69.13
40 05 23	43-0875	EA	2-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	214.73 58.98	88.47
40 05 23	43-0876	EA	3", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	247.14 69.13	103.69
40 05 23	43-0877	EA	4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	306.07 82.74	124.11
40 05 23	43-0878	EA	6", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	423.38 103.36	155.04
40 05 23	43-0879	EA	8", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	729.44 172.47	258.70
40 05 23	43-0880	EA	10", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,092.70 229.96	344.93
40 05 23	43-0881	EA	12", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,588.49 344.94	517.41
40 05 23	43-0882	EA	14", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,812.30 402.43	603.64
40 05 23	43-0883	EA	16", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,050.28 459.05	688.56
40 05 23	43-0884	EA	18", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,625.53 574.90	862.35
40 05 23	43-0885	EA	20", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,585.31 804.85	1,207.28
40 05 23	43-0886	EA	24", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	5,284.56 1,149.79	1,724.69
40 05 23	43-0887		Type 316, Schedule 40 Stainless Steel Butt Weld Tees <small>(40 05 23 43-0834)</small>		
40 05 23	43-0888	EA	1/2", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	138.01 37.50	56.25
40 05 23	43-0889	EA	3/4", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	166.46 46.03	69.05
40 05 23	43-0890	EA	1", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	185.42 51.72	77.59
40 05 23	43-0891	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	213.11 58.98	88.47
40 05 23	43-0892	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	224.06 63.31	94.97
40 05 23	43-0893	EA	2", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	244.26 69.05	103.58
40 05 23	43-0894	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	301.78 82.74	124.11
40 05 23	43-0895	EA	3", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	373.79 103.69	155.54
40 05 23	43-0896	EA	4", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	430.14 116.37	174.56
40 05 23	43-0897	EA	6", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	657.13 155.16	232.74
40 05 23	43-0898	EA	8", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	1,111.33 229.96	344.93
40 05 23	43-0899	EA	10", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	1,839.59 344.94	517.41
40 05 23	43-0900	EA	12", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	2,267.32 431.17	646.75
40 05 23	43-0901	EA	14", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	3,175.08 518.15	777.22
40 05 23	43-0902	EA	16", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	3,926.87 632.08	948.12
40 05 23	43-0903	EA	18", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	5,076.09 804.85	1,207.28
40 05 23	43-0904	EA	20", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	6,604.61 1,059.02	1,588.53
40 05 23	43-0905	EA	24", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	9,529.58 1,609.71	2,414.56
40 05 23	43-0906		Type 316, Schedule 40 Stainless Steel Butt Weld Reducing Tees <small>(40 05 23 43-0834)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0907 EA 3/4", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	130.48 31.33	46.99
40 05 23 43-0908 EA 1", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	154.02 38.39	57.59
40 05 23 43-0909 EA 1-1/4", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	197.28 43.13	64.70
40 05 23 43-0910 EA 1-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	196.47 49.17	73.77
40 05 23 43-0911 EA 2", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	203.24 52.84	79.26
40 05 23 43-0912 EA 2-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	268.86 57.59	86.37
40 05 23 43-0913 EA 3", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	276.54 69.02	103.54
40 05 23 43-0914 EA 4", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	365.53 86.27	129.41
40 05 23 43-0915 EA 6", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	495.77 98.57	147.86
40 05 23 43-0916 EA 8", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	823.88 143.72	215.58
40 05 23 43-0917 EA 10", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	1,655.91 191.63	287.45
40 05 23 43-0918 EA 12", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	2,209.08 287.45	431.17
40 05 23 43-0919 EA 14", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	2,523.66 345.33	518.00
40 05 23 43-0920 EA 16", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	3,123.11 421.24	631.86
40 05 23 43-0921 EA 18", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	4,030.18 536.57	804.86
40 05 23 43-0922 EA 20", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	5,710.25 706.01	1,059.01
40 05 23 43-0923 EA 24", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	8,920.40 1,072.19	1,608.27
40 05 23 43-0924 Type 316, Schedule 40 Stainless Steel Butt Weld Reducers (40 05 23 43-0834)		
40 05 23 43-0925 EA 3/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	105.35 28.49	42.74
40 05 23 43-0926 EA 1", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	115.63 31.05	46.57
40 05 23 43-0927 EA 1-1/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	127.01 34.42	51.63
40 05 23 43-0928 EA 1-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	135.94 37.51	56.26
40 05 23 43-0929 EA 2", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	146.88 41.42	62.13
40 05 23 43-0930 EA 2-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	195.24 51.76	77.65
40 05 23 43-0931 EA 3", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	212.27 58.93	88.40
40 05 23 43-0932 EA 4", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	246.02 69.05	103.58
40 05 23 43-0933 EA 6", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	333.17 87.91	131.86
40 05 23 43-0934 EA 8", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	554.39 137.98	206.97
40 05 23 43-0935 EA 10", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	734.76 172.47	258.70
40 05 23 43-0936 EA 12", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	939.50 229.96	344.93
40 05 23 43-0937 EA 14", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,339.62 301.82	452.73
40 05 23 43-0938 EA 16", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,541.13 343.95	515.93
40 05 23 43-0939 EA 18", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,039.57 431.17	646.75
40 05 23 43-0940 EA 20", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,759.42 574.90	862.35
40 05 23 43-0941 EA 24", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	3,983.87 862.34	1,293.52
40 05 23 43-0942 EA 3/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	125.24 28.49	42.74
40 05 23 43-0943 EA 1", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	133.76 31.05	46.57
40 05 23 43-0944 EA 1-1/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	154.14 34.42	51.63
40 05 23 43-0945 EA 1-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	160.76 37.51	56.26
40 05 23 43-0946 EA 2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	173.28 41.42	62.13
40 05 23 43-0947 EA 2-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	208.27 51.76	77.65

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0948 EA 3", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	263.13	88.40
For Work In Restricted Working Space, Add	58.93	
40 05 23 43-0949 EA 4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	289.67	103.58
For Work In Restricted Working Space, Add	69.05	
40 05 23 43-0950 EA 6", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	404.80	131.86
For Work In Restricted Working Space, Add	87.91	
40 05 23 43-0951 EA 8", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	607.99	206.97
For Work In Restricted Working Space, Add	137.98	
40 05 23 43-0952 EA 10", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	852.61	258.70
For Work In Restricted Working Space, Add	172.47	
40 05 23 43-0953 EA 12", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	1,175.19	344.93
For Work In Restricted Working Space, Add	229.96	
40 05 23 43-0954 EA 14", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	1,735.61	452.73
For Work In Restricted Working Space, Add	301.82	
40 05 23 43-0955 EA 16", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	1,997.01	515.93
For Work In Restricted Working Space, Add	343.95	
40 05 23 43-0956 EA 18", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	2,662.75	646.75
For Work In Restricted Working Space, Add	431.17	
40 05 23 43-0957 EA 20", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	3,437.44	862.35
For Work In Restricted Working Space, Add	574.90	
40 05 23 43-0958 EA 24", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	5,153.63	1,293.52
For Work In Restricted Working Space, Add	862.34	
40 05 23 43-0959 Type 316, Schedule 40 Stainless Steel Butt Weld Caps (40 05 23 43-0834)		
40 05 23 43-0960 EA 1/2", Type 316, Schedule 40 Stainless Steel Cap	57.27	22.13
For Work In Restricted Working Space, Add	14.75	
40 05 23 43-0961 EA 3/4", Type 316, Schedule 40 Stainless Steel Cap	62.41	23.48
For Work In Restricted Working Space, Add	15.66	
40 05 23 43-0962 EA 1", Type 316, Schedule 40 Stainless Steel Cap	68.98	25.81
For Work In Restricted Working Space, Add	17.21	
40 05 23 43-0963 EA 1-1/4", Type 316, Schedule 40 Stainless Steel Cap	78.25	28.13
For Work In Restricted Working Space, Add	18.75	
40 05 23 43-0964 EA 1-1/2", Type 316, Schedule 40 Stainless Steel Cap	78.72	31.07
For Work In Restricted Working Space, Add	20.71	
40 05 23 43-0965 EA 2", Type 316, Schedule 40 Stainless Steel Cap	88.94	34.56
For Work In Restricted Working Space, Add	23.04	
40 05 23 43-0966 EA 2-1/2", Type 316, Schedule 40 Stainless Steel Cap	111.74	44.24
For Work In Restricted Working Space, Add	29.49	
40 05 23 43-0967 EA 3", Type 316, Schedule 40 Stainless Steel Cap	128.76	51.85
For Work In Restricted Working Space, Add	34.56	
40 05 23 43-0968 EA 4", Type 316, Schedule 40 Stainless Steel Cap	157.44	62.06
For Work In Restricted Working Space, Add	41.37	
40 05 23 43-0969 EA 6", Type 316, Schedule 40 Stainless Steel Cap	214.78	77.65
For Work In Restricted Working Space, Add	51.76	
40 05 23 43-0970 EA 8", Type 316, Schedule 40 Stainless Steel Cap	364.63	129.35
For Work In Restricted Working Space, Add	86.24	
40 05 23 43-0971 EA 10", Type 316, Schedule 40 Stainless Steel Cap	488.57	172.48
For Work In Restricted Working Space, Add	114.98	
40 05 23 43-0972 EA 12", Type 316, Schedule 40 Stainless Steel Cap	729.24	258.69
For Work In Restricted Working Space, Add	172.47	
40 05 23 43-0973 EA 14", Type 316, Schedule 40 Stainless Steel Cap	834.42	301.82
For Work In Restricted Working Space, Add	201.21	
40 05 23 43-0974 EA 16", Type 316, Schedule 40 Stainless Steel Cap	940.02	344.28
For Work In Restricted Working Space, Add	229.52	
40 05 23 43-0975 EA 18", Type 316, Schedule 40 Stainless Steel Cap	1,196.31	431.17
For Work In Restricted Working Space, Add	287.45	
40 05 23 43-0976 EA 20", Type 316, Schedule 40 Stainless Steel Cap	1,648.87	603.64
For Work In Restricted Working Space, Add	402.43	
40 05 23 43-0977 EA 24", Type 316, Schedule 40 Stainless Steel Cap	2,517.53	862.34
For Work In Restricted Working Space, Add	574.90	
40 05 23 43-0978 Valves (40 05 23 43-0231)		
40 05 23 43-0979 Gate Valves, Class 150 (40 05 23 43-0978)		
40 05 23 43-0980 EA 1/2" Gate Valve, Stainless Steel, Flanged	487.23	44.45
For Work In Restricted Working Space, Add	16.67	
For Class 200, Deduct	-115.47	
For Class 300, Add	405.76	
40 05 23 43-0981 EA 3/4" Gate Valve, Stainless Steel, Flanged	529.47	46.30
For Work In Restricted Working Space, Add	19.45	
For Class 200, Deduct	-124.29	
For Class 300, Add	436.76	
40 05 23 43-0982 EA 1" Gate Valve, Stainless Steel, Flanged	652.71	69.46
For Work In Restricted Working Space, Add	26.21	
For Class 200, Deduct	-151.23	
For Class 300, Add	531.42	
40 05 23 43-0983 EA 1-1/4" Gate Valve, Stainless Steel, Flanged	822.75	81.03
For Work In Restricted Working Space, Add	30.20	
For Class 200, Deduct	-193.16	
For Class 300, Add	678.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0984 EA 1-1/2" Gate Valve, Stainless Steel, Flanged.....	927.95	102.00
<i>For Work In Restricted Working Space, Add</i>	38.25	
<i>For Class 200, Deduct</i>	-214.12	
<i>For Class 300, Add</i>	752.42	
40 05 23 43-0985 EA 2" Gate Valve, Stainless Steel, Flanged.....	1,101.62	123.44
<i>For Work In Restricted Working Space, Add</i>	46.31	
<i>For Class 200, Deduct</i>	-253.39	
<i>For Class 300, Add</i>	890.43	
40 05 23 43-0986 EA 2-1/2" Gate Valve, Stainless Steel, Flanged.....	1,581.63	134.28
<i>For Work In Restricted Working Space, Add</i>	50.51	
<i>For Class 300, Add</i>	1,328.46	
40 05 23 43-0987 EA 3" Gate Valve, Stainless Steel, Flanged.....	1,781.54	157.44
<i>For Work In Restricted Working Space, Add</i>	59.11	
<i>For Class 300, Add</i>	1,489.43	
40 05 23 43-0988 EA 4" Gate Valve, Stainless Steel, Flanged.....	2,357.69	263.93
<i>For Work In Restricted Working Space, Add</i>	99.22	
<i>For Class 300, Add</i>	1,905.33	
40 05 23 43-0989 EA 6" Gate Valve, Stainless Steel, Flanged.....	3,941.56	333.39
<i>For Work In Restricted Working Space, Add</i>	125.47	
<i>For Class 300, Add</i>	3,311.93	
40 05 23 43-0990 EA 8" Gate Valve, Stainless Steel, Flanged.....	8,591.96	426.00
<i>For Work In Restricted Working Space, Add</i>	158.76	
<i>For Class 300, Add</i>	7,579.00	
40 05 23 43-0991 EA 10" Gate Valve, Stainless Steel, Flanged.....	12,107.07	518.60
<i>For Work In Restricted Working Space, Add</i>	194.48	
<i>For Class 300, Add</i>	10,771.29	
40 05 23 43-0992 EA 12" Gate Valve, Stainless Steel, Flanged.....	18,224.70	629.73
<i>For Work In Restricted Working Space, Add</i>	235.73	
<i>For Class 300, Add</i>	16,392.59	
40 05 23 43-0993 Globe Valves, Class 150 <small>(40 05 23 43-0978)</small>		
40 05 23 43-0994 EA 1/2" Globe Valve, Stainless Steel, Flanged.....	665.35	44.45
<i>For Work In Restricted Working Space, Add</i>	16.67	
<i>For Class 200, Deduct</i>	-163.12	
<i>For Class 300, Add</i>	573.19	
40 05 23 43-0995 EA 3/4" Globe Valve, Stainless Steel, Flanged.....	736.46	46.30
<i>For Work In Restricted Working Space, Add</i>	19.45	
<i>For Class 200, Deduct</i>	-179.66	
<i>For Class 300, Add</i>	631.33	
40 05 23 43-0996 EA 1" Globe Valve, Stainless Steel, Flanged.....	918.07	69.46
<i>For Work In Restricted Working Space, Add</i>	26.21	
<i>For Class 200, Deduct</i>	-222.21	
<i>For Class 300, Add</i>	780.86	
40 05 23 43-0997 EA 1-1/2" Globe Valve, Stainless Steel, Flanged.....	1,364.72	102.00
<i>For Work In Restricted Working Space, Add</i>	38.25	
<i>For Class 200, Deduct</i>	-330.96	
<i>For Class 300, Add</i>	1,162.99	
40 05 23 43-0998 EA 2" Globe Valve, Stainless Steel, Flanged.....	1,665.54	123.44
<i>For Work In Restricted Working Space, Add</i>	46.31	
<i>For Class 200, Deduct</i>	-404.24	
<i>For Class 300, Add</i>	1,420.52	
40 05 23 43-0999 EA 2-1/2" Globe Valve, Stainless Steel, Flanged.....	3,349.83	134.28
<i>For Work In Restricted Working Space, Add</i>	50.51	
<i>For Class 300, Add</i>	2,990.56	
40 05 23 43-1000 EA 3" Globe Valve, Stainless Steel, Flanged.....	3,466.86	157.44
<i>For Work In Restricted Working Space, Add</i>	59.11	
<i>For Class 300, Add</i>	3,073.63	
40 05 23 43-1001 EA 4" Globe Valve, Stainless Steel, Flanged.....	4,130.79	263.93
<i>For Work In Restricted Working Space, Add</i>	99.22	
<i>For Class 300, Add</i>	3,572.05	
40 05 23 43-1002 EA 6" Globe Valve, Stainless Steel, Flanged.....	7,620.66	333.39
<i>For Work In Restricted Working Space, Add</i>	125.47	
<i>For Class 300, Add</i>	6,770.28	
40 05 23 43-1003 Check Valves, Class 150 <small>(40 05 23 43-0978)</small>		
40 05 23 43-1004 EA 2-1/2" Check Valve, Stainless Steel, Flanged.....	1,513.81	134.28
<i>For Work In Restricted Working Space, Add</i>	50.51	
<i>For Class 300, Add</i>	1,264.70	
40 05 23 43-1005 EA 3" Check Valve, Stainless Steel, Flanged.....	1,584.42	157.44
<i>For Work In Restricted Working Space, Add</i>	59.11	
<i>For Class 300, Add</i>	1,304.14	
40 05 23 43-1006 EA 4" Check Valve, Stainless Steel, Flanged.....	2,489.92	263.93
<i>For Work In Restricted Working Space, Add</i>	99.22	
<i>For Class 300, Add</i>	2,029.63	
40 05 23 43-1007 EA 6" Check Valve, Stainless Steel, Flanged.....	4,277.19	333.39
<i>For Work In Restricted Working Space, Add</i>	125.47	
<i>For Class 300, Add</i>	3,627.42	
40 05 23 43-1008 EA 8" Check Valve, Stainless Steel, Flanged.....	7,512.06	426.00
<i>For Work In Restricted Working Space, Add</i>	158.76	
<i>For Class 300, Add</i>	6,563.90	
40 05 23 43-1009 Stainless Steel Thread-O-Let Fittings <small>(40 05 23 43-0231)</small>		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1010 EA 1/2", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>	69.00 17.93	26.89
40 05 23 43-1011 EA 3/4", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>	91.23 23.90	35.84
40 05 23 43-1012 EA 1", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>	112.56 29.64	44.45
40 05 23 43-1013 EA 1-1/4", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>	161.16 41.94	62.89
40 05 23 43-1014 EA 1-1/2", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>	179.00 47.29	70.93
40 05 23 43-1015 EA 2", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>	224.58 60.07	90.10
40 05 23 43-1016 EA 2-1/2", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>	390.33 92.61	138.91
40 05 23 43-1017 EA 3", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>	518.53 118.22	177.33
40 05 23 43-1018 EA 4", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>	678.00 148.17	222.26
40 05 23 43-1019 Stainless Steel Flanges (40 05 23 43-0231)		
40 05 23 43-1020 150#, Type 304 Stainless Steel Raised Face Threaded Flange (40 05 23 43-1019)		
40 05 23 43-1021 EA 1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	45.79 8.96	14.93
40 05 23 43-1022 EA 3/4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	57.51 11.95	19.92
40 05 23 43-1023 EA 1", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	69.20 14.82	24.69
40 05 23 43-1024 EA 1-1/4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	95.00 20.97	34.95
40 05 23 43-1025 EA 1-1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	103.92 23.64	39.41
40 05 23 43-1026 EA 2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	133.02 30.04	50.05
40 05 23 43-1027 EA 2-1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	200.32 46.31	77.14
40 05 23 43-1028 EA 3", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	245.13 59.11	157.44
40 05 23 43-1029 EA 4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	312.73 74.09	123.44
40 05 23 43-1030 300#, Type 304 Stainless Steel Raised Face Threaded Flange (40 05 23 43-1019)		
40 05 23 43-1031 EA 1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	54.99 8.96	14.93
40 05 23 43-1032 EA 3/4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	64.94 11.95	19.92
40 05 23 43-1033 EA 1", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	74.50 14.82	24.69
40 05 23 43-1034 EA 1-1/4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	108.45 20.97	34.95
40 05 23 43-1035 EA 1-1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	117.37 23.64	39.41
40 05 23 43-1036 EA 2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	146.80 30.04	50.05
40 05 23 43-1037 EA 2-1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	231.09 46.31	77.14
40 05 23 43-1038 EA 3", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	276.60 59.11	157.44
40 05 23 43-1039 EA 4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	361.18 74.09	123.44
40 05 23 43-1040 150#, Type 304 Stainless Steel Raised Face Weld Neck Flange (40 05 23 43-1019)		
40 05 23 43-1041 EA 1/2", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	65.08 14.75	22.12
40 05 23 43-1042 EA 3/4", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	69.88 15.66	23.48
40 05 23 43-1043 EA 1", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	77.87 17.21	25.81
40 05 23 43-1044 EA 1-1/4", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	91.93 18.77	28.15
40 05 23 43-1045 EA 1-1/2", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	98.33 20.69	31.03
40 05 23 43-1046 EA 2", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	109.36 23.05	34.57
40 05 23 43-1047 EA 2-1/2", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	147.40 29.47	44.21
40 05 23 43-1048 EA 3", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	168.77 34.51	51.76
40 05 23 43-1049 EA 4", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	212.78 41.34	62.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1050 EA 6", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	301.61 51.66	77.47
40 05 23 43-1051 EA 8", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	506.68 86.24	129.35
40 05 23 43-1052 EA 10", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	706.81 114.98	172.47
40 05 23 43-1053 EA 12", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,079.83 172.47	258.69
40 05 23 43-1054 EA 14", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,326.87 201.21	301.82
40 05 23 43-1055 EA 16", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,621.32 229.52	344.28
40 05 23 43-1056 EA 18", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,998.32 287.45	431.17
40 05 23 43-1057 EA 20", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	2,637.30 402.43	603.64
40 05 23 43-1058 EA 24", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	3,752.70 574.90	862.34
40 05 23 43-1059 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange (40 05 23 43-1019)		
40 05 23 43-1060 EA 1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	76.05 14.75	22.12
40 05 23 43-1061 EA 3/4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	79.08 15.66	23.48
40 05 23 43-1062 EA 1" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	84.25 17.21	25.81
40 05 23 43-1063 EA 1-1/4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	104.29 18.77	28.15
40 05 23 43-1064 EA 1-1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	110.69 20.69	31.03
40 05 23 43-1065 EA 2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	119.97 23.05	34.57
40 05 23 43-1066 EA 2-1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	165.78 29.47	44.21
40 05 23 43-1067 EA 3" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	189.28 34.51	51.76
40 05 23 43-1068 EA 4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	260.86 41.34	62.01
40 05 23 43-1069 EA 6" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	356.06 51.66	77.47
40 05 23 43-1070 EA 8" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	642.46 86.24	129.35
40 05 23 43-1071 EA 10" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	886.09 114.98	172.47
40 05 23 43-1072 EA 12" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,307.56 172.47	258.69
40 05 23 43-1073 EA 14" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,686.87 201.21	301.82
40 05 23 43-1074 EA 16" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	2,051.84 229.52	344.28
40 05 23 43-1075 EA 18" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	2,611.35 287.45	431.17
40 05 23 43-1076 EA 20" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	3,421.65 402.43	603.64
40 05 23 43-1077 EA 24" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	4,964.09 574.90	862.34
40 05 23 43-1078 150#, Type 304 Stainless Steel Raised Face Slip-On Flanges (40 05 23 43-1019)		
40 05 23 43-1079 EA 1/2", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	112.48 29.50	44.25
40 05 23 43-1080 EA 3/4", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	118.88 31.31	46.97
40 05 23 43-1081 EA 1", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	130.64 34.42	51.63
40 05 23 43-1082 EA 1-1/4", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	146.71 37.54	56.31
40 05 23 43-1083 EA 1-1/2", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	159.50 41.38	62.06
40 05 23 43-1084 EA 2", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	181.59 46.09	69.14
40 05 23 43-1085 EA 2-1/2", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	235.73 58.94	88.41
40 05 23 43-1086 EA 3", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	272.12 69.01	103.51
40 05 23 43-1087 EA 4", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	332.91 82.69	124.03
40 05 23 43-1088 EA 6", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	431.72 103.31	154.96
40 05 23 43-1089 EA 8", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	740.04 172.47	258.69
40 05 23 43-1090 EA 10" 150#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	1,022.88 229.96	344.93

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1091 EA 12" 150#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	1,528.50 344.94	517.40
40 05 23 43-1092 300#, Type 304 Stainless Steel Raised Face Slip-On Flanges (40 05 23 43-1019)		
40 05 23 43-1093 EA 1/2" 300#, Type 304 Stainless Steel Raised Neck Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	119.56 29.50	44.25
40 05 23 43-1094 EA 3/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	125.60 31.31	46.97
40 05 23 43-1095 EA 1" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	135.95 34.42	51.63
40 05 23 43-1096 EA 1-1/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	157.68 37.54	56.31
40 05 23 43-1097 EA 1-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	170.47 41.38	62.06
40 05 23 43-1098 EA 2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	189.00 46.09	69.14
40 05 23 43-1099 EA 2-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	263.32 58.94	88.41
40 05 23 43-1100 EA 3" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	299.70 69.01	103.51
40 05 23 43-1101 EA 4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	371.09 82.69	124.03
40 05 23 43-1102 EA 6" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	539.56 103.31	154.96
40 05 23 43-1103 EA 8" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	848.94 172.47	258.69
40 05 23 43-1104 EA 10" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	1,198.27 229.96	344.93
40 05 23 43-1105 EA 12" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	1,754.10 344.94	517.40
40 05 23 43-1106 150#, Type 304 Stainless Steel Blind Flanges (40 05 23 43-1019)		
40 05 23 43-1107 EA 1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	34.76 5.90	8.84
40 05 23 43-1108 EA 3/4", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	36.43 6.26	9.38
40 05 23 43-1109 EA 1", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	39.57 6.88	10.32
40 05 23 43-1110 EA 1-1/4", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	49.23 7.66	11.49
40 05 23 43-1111 EA 1-1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	58.21 10.35	15.53
40 05 23 43-1112 EA 2", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	67.66 11.49	17.24
40 05 23 43-1113 EA 2-1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	90.98 14.78	22.16
40 05 23 43-1114 EA 3", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	114.99 20.71	31.06
40 05 23 43-1115 EA 4", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	179.36 34.50	51.75
40 05 23 43-1116 EA 6", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	241.93 44.36	66.54
40 05 23 43-1117 EA 8", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	351.06 53.66	80.48
40 05 23 43-1118 EA 10", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	513.78 64.39	96.58
40 05 23 43-1119 EA 12", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	673.15 80.48	120.73
40 05 23 43-1120 EA 14", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	853.27 100.61	150.91
40 05 23 43-1121 EA 16", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,079.31 114.76	172.14
40 05 23 43-1122 EA 18", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,287.64 143.72	215.58
40 05 23 43-1123 EA 20", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,725.19 201.21	301.82
40 05 23 43-1124 EA 24", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,504.48 287.45	431.17
40 05 23 43-1125 300#, Type 304 Stainless Steel Blind Flanges (40 05 23 43-1019)		
40 05 23 43-1126 EA 1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	41.96 5.90	8.84
40 05 23 43-1127 EA 3/4", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	43.17 6.26	9.38
40 05 23 43-1128 EA 1", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	45.23 6.88	10.32
40 05 23 43-1129 EA 1-1/4", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	55.94 7.66	11.49
40 05 23 43-1130 EA 1-1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	64.92 10.35	15.53



Process Interconnections	40
Common Work Results For Process Interconnections	
Stainless Steel Process Pipe and Tubing	40 05 23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1131 EA 2", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	71.20 11.49	17.24
40 05 23 43-1132 EA 2-1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	115.73 14.78	22.16
40 05 23 43-1133 EA 3", 300#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	138.15 20.71	31.06
40 05 23 43-1134 EA 4", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	208.35 34.50	51.75
40 05 23 43-1135 EA 6", 300#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	361.44 44.36	66.54
40 05 23 43-1136 EA 8", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	493.91 53.66	80.48
40 05 23 43-1137 EA 10", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	687.74 64.39	96.58
40 05 23 43-1138 EA 12", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	940.12 80.48	120.73
40 05 23 43-1139 EA 14", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,298.54 100.61	150.91
40 05 23 43-1140 EA 16", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,641.48 114.76	172.14
40 05 23 43-1141 EA 18", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,133.70 143.72	215.58
40 05 23 43-1142 EA 20", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,728.99 201.21	301.82
40 05 23 43-1143 EA 24", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	4,155.49 287.45	431.17
40 05 23 43-1144 150#, Type 316 Stainless Steel Raised Face Threaded Flange (40 05 23 43-1019)		
40 05 23 43-1145 EA 1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	52.17 8.96	14.93
40 05 23 43-1146 EA 3/4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	65.65 11.95	19.92
40 05 23 43-1147 EA 1", 150#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	76.96 14.82	24.69
40 05 23 43-1148 EA 1-1/4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	106.66 20.97	34.95
40 05 23 43-1149 EA 1-1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	115.58 23.64	39.41
40 05 23 43-1150 EA 2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	145.75 30.04	50.05
40 05 23 43-1151 EA 2-1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	218.71 46.31	77.14
40 05 23 43-1152 EA 3", 150#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	268.83 59.11	157.44
40 05 23 43-1153 EA 4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	345.97 74.09	123.44
40 05 23 43-1154 300#, Type 316 Stainless Steel Raised Face Threaded Flange (40 05 23 43-1019)		
40 05 23 43-1155 EA 1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	64.19 8.96	14.93
40 05 23 43-1156 EA 3/4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	74.14 11.95	19.92
40 05 23 43-1157 EA 1", 300#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	83.70 14.82	24.69
40 05 23 43-1158 EA 1-1/4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	126.13 20.97	34.95
40 05 23 43-1159 EA 1-1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	135.05 23.64	39.41
40 05 23 43-1160 EA 2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	162.36 30.04	50.05
40 05 23 43-1161 EA 2-1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	266.09 46.31	77.14
40 05 23 43-1162 EA 3", 300#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	312.32 59.11	157.44
40 05 23 43-1163 EA 4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	418.10 74.09	123.44
40 05 23 43-1164 150#, Type 316 Stainless Steel Raised Face Weld Neck Flange (40 05 23 43-1019)		
40 05 23 43-1165 EA 1/2", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	73.21 14.75	22.12
40 05 23 43-1166 EA 3/4", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	78.02 15.66	23.48
40 05 23 43-1167 EA 1", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	87.07 17.21	25.81
40 05 23 43-1168 EA 1-1/4", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	103.95 18.77	28.15
40 05 23 43-1169 EA 1-1/2", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	110.35 20.69	31.03
40 05 23 43-1170 EA 2", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	121.73 23.05	34.57

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1171 EA 2-1/2", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	168.25 29.47	44.21
40 05 23 43-1172 EA 3", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	187.51 34.51	51.76
40 05 23 43-1173 EA 4", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	244.60 41.34	62.01
40 05 23 43-1174 EA 6", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	356.78 51.66	77.47
40 05 23 43-1175 EA 8", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	591.90 86.24	129.35
40 05 23 43-1176 EA 10", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	848.97 114.98	172.47
40 05 23 43-1177 EA 12", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,267.61 172.47	258.69
40 05 23 43-1178 EA 14", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,482.39 201.21	301.82
40 05 23 43-1179 EA 16", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,824.27 229.52	344.28
40 05 23 43-1180 EA 18", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	2,244.85 287.45	431.17
40 05 23 43-1181 EA 20", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	2,944.44 402.43	603.64
40 05 23 43-1182 EA 24", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	4,187.95 574.90	862.34
40 05 23 43-1183 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange (40 05 23 43-1019)		
40 05 23 43-1184 EA 1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	86.65 14.75	22.12
40 05 23 43-1185 EA 3/4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	89.68 15.66	23.48
40 05 23 43-1186 EA 1" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	94.85 17.21	25.81
40 05 23 43-1187 EA 1-1/4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	118.81 18.77	28.15
40 05 23 43-1188 EA 1-1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	125.21 20.69	31.03
40 05 23 43-1189 EA 2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	137.65 23.05	34.57
40 05 23 43-1190 EA 2-1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	196.19 29.47	44.21
40 05 23 43-1191 EA 3" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	217.92 34.51	51.76
40 05 23 43-1192 EA 4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	313.89 41.34	62.01
40 05 23 43-1193 EA 6" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	487.25 51.66	77.47
40 05 23 43-1194 EA 8" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	776.49 86.24	129.35
40 05 23 43-1195 EA 10" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,103.20 114.98	172.47
40 05 23 43-1196 EA 12" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,626.50 172.47	258.69
40 05 23 43-1197 EA 14" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	2,150.75 201.21	301.82
40 05 23 43-1198 EA 16" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	2,639.25 229.52	344.28
40 05 23 43-1199 EA 18" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	3,366.04 287.45	431.17
40 05 23 43-1200 EA 20" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	4,371.29 402.43	603.64
40 05 23 43-1201 EA 24" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	6,355.41 574.90	862.34
40 05 23 43-1202 150#, Type 316 Stainless Steel Raised Face Slip-On Flanges (40 05 23 43-1019)		
40 05 23 43-1203 EA 1/2", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	116.73 29.50	44.25
40 05 23 43-1204 EA 3/4", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	125.26 31.31	46.97
40 05 23 43-1205 EA 1", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	137.95 34.42	51.63
40 05 23 43-1206 EA 1-1/4", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	173.36 37.54	56.31
40 05 23 43-1207 EA 1-1/2", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	167.99 41.38	62.06
40 05 23 43-1208 EA 2", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	183.70 46.09	69.14
40 05 23 43-1209 EA 2-1/2", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	234.32 58.94	88.41
40 05 23 43-1210 EA 3", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	284.14 69.01	103.51
40 05 23 43-1211 EA 4", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	358.36 82.69	124.03



Process Interconnections	40
Common Work Results For Process Interconnections	
Stainless Steel Process Pipe and Tubing	40 05 23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1212 EA 6", 150#, Type 316 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	469.54 103.31	154.96
40 05 23 43-1213 EA 8", 150#, Type 316 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	818.17 172.47	258.69
40 05 23 43-1214 EA 10" 150#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	1,129.67 229.96	344.93
40 05 23 43-1215 EA 12" 150#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	1,671.35 344.94	517.40
40 05 23 43-1216 300#, Type 316 Stainless Steel Raised Face Slip-On Flanges (40 05 23 43-1019)		
40 05 23 43-1217 EA 1/2" 300#, Type 316 Stainless Steel Raised Neck Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	126.63 29.50	44.25
40 05 23 43-1218 EA 3/4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	132.67 31.31	46.97
40 05 23 43-1219 EA 1" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	143.02 34.42	51.63
40 05 23 43-1220 EA 1-1/4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	171.46 37.54	56.31
40 05 23 43-1221 EA 1-1/2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	184.25 41.38	62.06
40 05 23 43-1222 EA 2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	202.04 46.09	69.14
40 05 23 43-1223 EA 2-1/2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	294.08 58.94	88.41
40 05 23 43-1224 EA 3" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	331.16 69.01	103.51
40 05 23 43-1225 EA 4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	419.88 82.69	124.03
40 05 23 43-1226 EA 6" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	610.64 103.31	154.96
40 05 23 43-1227 EA 8" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	922.14 172.47	258.69
40 05 23 43-1228 EA 10" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	1,436.59 229.96	344.93
40 05 23 43-1229 EA 12" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	1,964.14 344.94	517.40
40 05 23 43-1230 150#, Type 316 Stainless Steel Blind Flanges (40 05 23 43-1019)		
40 05 23 43-1231 EA 1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	38.06 5.90	8.84
40 05 23 43-1232 EA 3/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	42.45 6.26	9.38
40 05 23 43-1233 EA 1", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	47.69 6.88	10.32
40 05 23 43-1234 EA 1-1/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	55.59 7.66	11.49
40 05 23 43-1235 EA 1-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	64.57 10.35	15.53
40 05 23 43-1236 EA 2", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	78.27 11.49	17.24
40 05 23 43-1237 EA 2-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	107.60 14.78	22.16
40 05 23 43-1238 EA 3", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	133.38 20.71	31.06
40 05 23 43-1239 EA 4", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	210.47 34.50	51.75
40 05 23 43-1240 EA 6", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	291.79 44.36	66.54
40 05 23 43-1241 EA 8", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	470.21 53.66	80.48
40 05 23 43-1242 EA 10", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	607.84 64.39	96.58
40 05 23 43-1243 EA 12", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	944.37 80.48	120.73
40 05 23 43-1244 EA 14", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,130.95 100.61	150.91
40 05 23 43-1245 EA 16", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,452.87 114.76	172.14
40 05 23 43-1246 EA 18", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,721.14 143.72	215.58
40 05 23 43-1247 EA 20", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,290.53 201.21	301.82
40 05 23 43-1248 EA 24", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	3,333.52 287.45	431.17
40 05 23 43-1249 300#, Type 316 Stainless Steel Blind Flanges (40 05 23 43-1019)		
40 05 23 43-1250 EA 1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	53.98 5.90	8.84
40 05 23 43-1251 EA 3/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	55.19 6.26	9.38

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1252 EA 1", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	57.25 6.88	10.32
40 05 23 43-1253 EA 1-1/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	81.77 7.66	11.49
40 05 23 43-1254 EA 1-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	90.75 10.35	15.53
40 05 23 43-1255 EA 2", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	100.54 11.49	17.24
40 05 23 43-1256 EA 2-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	161.00 14.78	22.16
40 05 23 43-1257 EA 3", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	184.30 20.71	31.06
40 05 23 43-1258 EA 4", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	286.14 34.50	51.75
40 05 23 43-1259 EA 6", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	494.06 44.36	66.54
40 05 23 43-1260 EA 8", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	631.12 53.66	80.48
40 05 23 43-1261 EA 10", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,086.61 64.39	96.58
40 05 23 43-1262 EA 12", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,328.02 80.48	120.73
40 05 23 43-1263 EA 14", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,894.34 100.61	150.91
40 05 23 43-1264 EA 16", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,420.22 114.76	172.14
40 05 23 43-1265 EA 18", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	3,157.18 143.72	215.58
40 05 23 43-1266 EA 20", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	4,002.17 201.21	301.82
40 05 23 43-1267 EA 24", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	6,133.24 287.45	431.17
40 05 23 43-1268 Type 316 Seamless Annealed Tubing (40 05 23 43) Note: For high pressure air (8000 PSIG working pressure).		
40 05 23 43-1269 Type 316 Seamless Annealed Tubing (40 05 23 43-1268)		
40 05 23 43-1270 LF 3/8" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .065 Wall Thickness.....	16.91	
40 05 23 43-1271 LF 1/2" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .083 Wall Thickness.....	20.96	
40 05 23 43-1272 LF 3/4" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .120 Wall Thickness.....	25.33	
40 05 23 43-1273 Type 316 Seamless Annealed Tubing Fittings (40 05 23 43-1268) Note: Pressure rating 5000 PSI minimum. Includes front and back ferrules.		
40 05 23 43-1274 EA 3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Connector With Front And Back Ferrules	55.93	
40 05 23 43-1275 EA 3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Elbow With Front And Back Ferrules	61.17	
40 05 23 43-1276 EA 3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Tee With Front And Back Ferrules.....	93.95	
40 05 23 43-1277 EA 3/8" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	48.92	
40 05 23 43-1278 EA 3/8" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	80.78	
40 05 23 43-1279 EA 1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Connector With Front And Back Ferrules	61.32	
40 05 23 43-1280 EA 1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Elbow With Front And Back Ferrules	75.60	
40 05 23 43-1281 EA 1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	116.37	
40 05 23 43-1282 EA 1/2" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	73.93	
40 05 23 43-1283 EA 1/2" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	114.33	
40 05 23 43-1284 EA 3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Connector With Front And Back Ferrules	72.82	
40 05 23 43-1285 EA 3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Elbow With Front And Back Ferrules	93.94	
40 05 23 43-1286 EA 3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	155.28	
40 05 23 43-1287 EA 3/4" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	128.04	
40 05 23 43-1288 EA 3/4" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules.....	157.87	
40 05 23 43-1289 Valves For High Pressure Air (5,000 PSIG) (40 05 23 43-1268)		
40 05 23 43-1290 Needle Valves (40 05 23 43-1289)		
40 05 23 43-1291 EA 3/8" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	289.13	
40 05 23 43-1292 EA 1/2" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	458.92	
40 05 23 43-1293 Safety Valve (Code Stamped) Work Pressure, 6,000 PSIG (40 05 23 43-1289)		
40 05 23 43-1294 EA 1/4" NPT Inlet, Safety Valve Spring Loaded 316 Stainless Steel Construction.....	277.09	
40 05 23 43-1295 Other Valves Working Pressure 6,000 PSI (40 05 23 43-1289)		
40 05 23 43-1296 EA 1/4" NPT Pressure Reducing Valve Spring Loaded, Stainless Steel Body, 6,000 PSIG.....	1,148.28	
40 05 23 43-1297 EA 1/4" NPT Pressure Gauge, Liquid Filled, 6,000 PSIG, Blow Out Back	288.21	
40 05 23 43-1298 EA Snubber 316 Stainless Steel Body, Rated For Design Pressure With Sinterec Element.....	55.86	

40 05 41 Glass Process Pipe (40 05)**40 05 41 00-0001 Glass Pressure Pipe (40 05 41)**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 41 00-0002 Glass Pipe, Beaded Joints (40 05 41 00-0001)		
40 05 41 00-0003 LF 1/2" Glass Pipe, Pressure.....	33.67	13.19
<i>For Work In Restricted Working Space, Add</i>	<i>7.92</i>	
40 05 41 00-0004 LF 3/4" Glass Pipe, Pressure.....	40.39	15.84
<i>For Work In Restricted Working Space, Add</i>	<i>9.50</i>	
40 05 41 00-0005 LF 1" Glass Pipe, Pressure.....	46.54	17.59
<i>For Work In Restricted Working Space, Add</i>	<i>10.56</i>	
40 05 41 00-0006 LF 1-1/2" Glass Pipe, Pressure.....	61.72	23.75
<i>For Work In Restricted Working Space, Add</i>	<i>14.25</i>	
40 05 41 00-0007 LF 2" Glass Pipe, Pressure.....	75.12	28.14
<i>For Work In Restricted Working Space, Add</i>	<i>16.89</i>	
40 05 41 00-0008 LF 3" Glass Pipe, Pressure.....	91.96	32.54
<i>For Work In Restricted Working Space, Add</i>	<i>19.53</i>	
40 05 41 00-0009 LF 4" Glass Pipe, Pressure.....	125.60	43.98
<i>For Work In Restricted Working Space, Add</i>	<i>26.39</i>	
40 05 41 00-0010 LF 6" Glass Pipe, Pressure.....	173.06	52.77
<i>For Work In Restricted Working Space, Add</i>	<i>31.67</i>	
40 05 41 00-0011 Glass 90 Degree Elbows (40 05 41 00-0001)		
40 05 41 00-0012 EA 1/2" 90 Degree Elbow, Glass, Pressure.....	157.72	70.36
<i>For Work In Restricted Working Space, Add</i>	<i>42.22</i>	
40 05 41 00-0013 EA 3/4" 90 Degree Elbow, Glass, Pressure.....	169.55	74.76
<i>For Work In Restricted Working Space, Add</i>	<i>44.86</i>	
40 05 41 00-0014 EA 1" 90 Degree Elbow, Glass, Pressure.....	184.52	79.17
<i>For Work In Restricted Working Space, Add</i>	<i>47.50</i>	
40 05 41 00-0015 EA 1-1/2" 90 Degree Elbow, Glass, Pressure.....	203.85	87.96
<i>For Work In Restricted Working Space, Add</i>	<i>52.77</i>	
40 05 41 00-0016 EA 2" 90 Degree Elbow, Glass, Pressure.....	230.77	96.75
<i>For Work In Restricted Working Space, Add</i>	<i>58.06</i>	
40 05 41 00-0017 EA 3" 90 Degree Elbow, Glass, Pressure.....	288.03	114.34
<i>For Work In Restricted Working Space, Add</i>	<i>68.60</i>	
40 05 41 00-0018 EA 4" 90 Degree Elbow, Glass, Pressure.....	328.88	123.14
<i>For Work In Restricted Working Space, Add</i>	<i>73.87</i>	
40 05 41 00-0019 EA 6" 90 Degree Elbow, Glass, Pressure.....	496.82	140.73
<i>For Work In Restricted Working Space, Add</i>	<i>84.44</i>	
40 05 41 00-0020 Glass 45 Degree Elbows (40 05 41 00-0001)		
40 05 41 00-0021 EA 1/2" 45 Degree Elbow, Glass, Pressure.....	157.04	70.36
<i>For Work In Restricted Working Space, Add</i>	<i>42.22</i>	
40 05 41 00-0022 EA 3/4" 45 Degree Elbow, Glass, Pressure.....	168.76	74.76
<i>For Work In Restricted Working Space, Add</i>	<i>44.86</i>	
40 05 41 00-0023 EA 1" 45 Degree Elbow, Glass, Pressure.....	183.46	79.17
<i>For Work In Restricted Working Space, Add</i>	<i>47.49</i>	
40 05 41 00-0024 EA 1-1/2" 45 Degree Elbow, Glass, Pressure.....	202.73	87.96
<i>For Work In Restricted Working Space, Add</i>	<i>52.77</i>	
40 05 41 00-0025 EA 2" 45 Degree Elbow, Glass, Pressure.....	229.24	96.75
<i>For Work In Restricted Working Space, Add</i>	<i>58.04</i>	
40 05 41 00-0026 EA 3" 45 Degree Elbow, Glass, Pressure.....	285.68	114.34
<i>For Work In Restricted Working Space, Add</i>	<i>68.61</i>	
40 05 41 00-0027 EA 4" 45 Degree Elbow, Glass, Pressure.....	325.58	123.14
<i>For Work In Restricted Working Space, Add</i>	<i>73.87</i>	
40 05 41 00-0028 EA 6" 45 Degree Elbow, Glass, Pressure.....	488.09	140.73
<i>For Work In Restricted Working Space, Add</i>	<i>84.41</i>	
40 05 41 00-0029 Glass Tees (40 05 41 00-0001)		
40 05 41 00-0030 EA 1/2" Tee, Glass, Pressure.....	240.23	105.55
<i>For Work In Restricted Working Space, Add</i>	<i>63.34</i>	
40 05 41 00-0031 EA 3/4" Tee, Glass, Pressure.....	258.18	114.34
<i>For Work In Restricted Working Space, Add</i>	<i>68.61</i>	
40 05 41 00-0032 EA 1" Tee, Glass, Pressure.....	278.83	123.14
<i>For Work In Restricted Working Space, Add</i>	<i>73.87</i>	
40 05 41 00-0033 EA 1-1/2" Tee, Glass, Pressure.....	311.54	131.94
<i>For Work In Restricted Working Space, Add</i>	<i>79.15</i>	
40 05 41 00-0034 EA 2" Tee, Glass, Pressure.....	346.15	145.13
<i>For Work In Restricted Working Space, Add</i>	<i>87.08</i>	
40 05 41 00-0035 EA 3" Tee, Glass, Pressure.....	420.50	175.91
<i>For Work In Restricted Working Space, Add</i>	<i>105.55</i>	
40 05 41 00-0036 EA 4" Tee, Glass, Pressure.....	484.49	184.62
<i>For Work In Restricted Working Space, Add</i>	<i>110.78</i>	
40 05 41 00-0037 EA 6" Tee, Glass, Pressure.....	623.43	211.01
<i>For Work In Restricted Working Space, Add</i>	<i>126.62</i>	
40 05 41 00-0038 Glass Couplings, Vitron Liner (40 05 41 00-0001)		
40 05 41 00-0039 EA 1/2" Coupling, Vitron Liner, Glass.....	24.44	
40 05 41 00-0040 EA 3/4" Coupling, Vitron Liner, Glass.....	27.94	
40 05 41 00-0041 EA 1" Coupling, Vitron Liner, Glass.....	32.59	
40 05 41 00-0042 EA 1-1/2" Coupling, Vitron Liner, Glass.....	37.25	
40 05 41 00-0043 EA 2" Coupling, Vitron Liner, Glass.....	44.81	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 41 Glass Process Pipe



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
40 05 41 00-0044	EA	3" Coupling, Vitron Liner, Glass.....	82.06	
40 05 41 00-0045	EA	4" Coupling, Vitron Liner, Glass.....	98.94	
40 05 41 00-0046	EA	6" Coupling, Vitron Liner, Glass.....	197.88	

END OF SECTION 40



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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41 Material Processing And Handling Equipment

41 01 Operation And Maintenance Of Material Processing And Handling Equipment ⁽⁴¹⁾

41 01 20 Operation And Maintenance Of Piece Material Handling Equipment ^(41 01)

41 01 20 13 Operation And Maintenance Of Hoists Or Cranes ^(41 01 20)

41 01 20 13-0001 Maintenance ^(41 01 20 13)

41 01 20 13-0002	EA	Regular Inspection.....	331.05
41 01 20 13-0003	HR	Hoist Or Crane Servicing, Labor Only.....	99.55
41 01 20 13-0004	MO	Hoist Or Crane Maintenance Contract.....	410.42

41 20 Piece Material Handling Equipment ⁽⁴¹⁾

41 22 Cranes And Hoists ^(41 20)

41 22 23 Hoists ^(41 22)

41 22 23 13 Fixed Hoists ^(41 22 23)

41 22 23 13-0001 Air-Powered Chain Hoists ^(41 22 23 13)

Note: Excludes beam.

41 22 23 13-0002	EA	500 LB Capacity, Air-Powered Chain Hoist.....	4,080.22	330.40
41 22 23 13-0003	EA	1,000 LB Capacity, Air-Powered Chain Hoist.....	4,125.26	330.40
41 22 23 13-0004	EA	2,000 LB Capacity, Air-Powered Chain Hoist.....	4,943.80	330.40
41 22 23 13-0005	EA	4,000 LB Capacity, Air-Powered Chain Hoist.....	6,236.10	440.53
41 22 23 13-0006	EA	6,000 LB Capacity, Air-Powered Chain Hoist.....	7,882.24	550.67
41 22 23 13-0007	EA	8,000 LB Capacity, Air-Powered Chain Hoist.....	9,290.68	809.26
41 22 23 13-0008	EA	10,000 LB Capacity, Air-Powered Chain Hoist.....	10,749.68	977.43
41 22 23 13-0009	EA	12,000 LB Capacity, Air-Powered Chain Hoist.....	11,936.78	977.43

41 22 23 13-0010 Electric Hoists ^(41 22 23 13)

41 22 23 13-0011 Electric Industrial Chain Hoists ^(41 22 23 13-0010)

Note: Includes 20' of chain. Excludes beams. See CSI section 05 59 65 00-0001 for additional chain.

41 22 23 13-0012	EA	500 LB Capacity, Electric Industrial Chain Hoist.....	2,939.18	319.38
		<i>For DC Electrical Operated, Add</i>	574.62	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0013	EA	1,000 LB Capacity, Electric Industrial Chain Hoist.....	3,065.10	319.38
		<i>For DC Electrical Operated, Add</i>	605.67	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0014	EA	2,000 LB Capacity, Electric Industrial Chain Hoist.....	3,382.73	319.38
		<i>For DC Electrical Operated, Add</i>	682.44	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0015	EA	3,000 LB Capacity, Electric Industrial Chain Hoist.....	5,070.32	330.40
		<i>For DC Electrical Operated, Add</i>	1,097.36	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0016	EA	4,000 LB Capacity, Electric Industrial Chain Hoist.....	4,379.36	330.40
		<i>For DC Electrical Operated, Add</i>	922.66	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0017	EA	5,000 LB Capacity, Electric Industrial Chain Hoist.....	6,236.96	341.41
		<i>For DC Electrical Operated, Add</i>	1,378.19	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0018	EA	6,000 LB Capacity, Electric Industrial Chain Hoist.....	5,658.67	374.45
		<i>For DC Electrical Operated, Add</i>	1,202.80	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0019	EA	7,500 LB Capacity, Electric Industrial Chain Hoist.....	6,980.97	462.55
		<i>For DC Electrical Operated, Add</i>	1,527.98	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0020	EA	10,000 LB Capacity, Electric Industrial Chain Hoist.....	8,232.82	473.28
		<i>For DC Electrical Operated, Add</i>	1,853.51	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0021	EA	15,000 LB Capacity, Electric Industrial Chain Hoist.....	13,227.47	493.86
		<i>For DC Electrical Operated, Add</i>	3,059.72	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0022	EA	20,000 LB Capacity, Electric Industrial Chain Hoist.....	15,838.94	514.45
		<i>For DC Electrical Operated, Add</i>	3,701.90	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0023	EA	25,000 LB Capacity, Electric Industrial Chain Hoist.....	21,895.18	535.02
		<i>For DC Electrical Operated, Add</i>	5,204.97	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0024	EA	30,000 LB Capacity, Electric Industrial Chain Hoist.....	28,012.24	586.47
		<i>For DC Electrical Operated, Add</i>	6,708.39	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	

41 Material Processing And Handling Equipment**41 20 Piece Material Handling Equipment****41 22 Cranes And Hoists**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
41 22 23 13-0025			Hand Chain Hoists <small>(41 22 23 13)</small>		
41 22 23 13-0026	EA		1,000 LB Capacity, Hand Chain Hoist.....	1,080.72	128.71
41 22 23 13-0027	EA		2,000 LB Capacity, Hand Chain Hoist.....	1,260.54	130.47
41 22 23 13-0028	EA		3,000 LB Capacity, Hand Chain Hoist.....	1,668.80	136.64
41 22 23 13-0029	EA		4,000 LB Capacity, Hand Chain Hoist.....	1,869.09	138.41
41 22 23 13-0030	EA		5,000 LB Capacity, Hand Chain Hoist.....	2,242.70	145.46
41 22 23 13-0031	EA		6,000 LB Capacity, Hand Chain Hoist.....	2,516.01	170.14
41 22 23 13-0032	EA		10,000 LB Capacity, Hand Chain Hoist.....	3,452.48	175.43
41 22 23 13-0033	EA		16,000 LB Capacity, Hand Chain Hoist.....	4,497.95	211.57
41 22 23 13-0034	EA		20,000 LB Capacity, Hand Chain Hoist.....	5,471.42	221.27
41 22 23 13-0035	EA		30,000 LB Capacity, Hand Chain Hoist.....	9,560.66	253.01

END OF SECTION 41



Process Gas and Liquid Handling, Purification, and Storage Equipment	43	43
Liquid Handling Equipment	43 20	
Dry Location Liquid Pumps	43 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
43 Process Gas and Liquid Handling, Purification, and Storage Equipment		
43 20 Liquid Handling Equipment ⁽⁴³⁾		
43 23 Dry Location Liquid Pumps ^(43 20)		
43 23 78 Controlled Volume Horizontal Reciprocating Pumps ^(43 23)		
43 23 78 31 Controlled Volume Horizontal Mechanically-Coupled Diaphragm Simplex Reciprocating Pumps ^(43 23 78)		
43 23 78 31-0001 Diaphragm Pump ^(43 23 78 31)		
43 23 78 31-0002 EA 28 GPH Diaphragm Pump, Adjustable Flow 0-100% 250 PSI.....	2,724.59	
43 24 Suspended Liquid Pumps ^(43 20)		
43 24 41 Archimedes Screw Pumps ^(43 24)		
43 24 41 23 Positive-Displacement Inclined Closed-casing Archimedes Screw-type Pumps ^(43 24 41)		
43 24 41 23-0001 Positive Displacement Pump ^(43 24 41 23)		
43 24 41 23-0002 EA 25 GPH Positive Displacement Pump, Adjustable Flow 0-100% 200 PSI Neoprene Packing.....	2,251.83	
43 40 Gas and Liquid Storage ⁽⁴³⁾		
43 42 Pressurized Tanks And Vessels ^(43 40)		
43 42 41 Metallic Specialty Pressure Tanks ^(43 42)		
43 42 41 00-0001 L.P.G. Tanks With Regulator And Safety Controls ^(43 42 41)		
43 42 41 00-0002 EA 250 Gallon Aboveground LP Gas Storage Tank.....	1,248.13	105.64
43 42 41 00-0003 EA 500 Gallon Aboveground LP Gas Storage Tank.....	2,287.87	158.45
43 42 41 00-0004 EA 1,000 Gallon Aboveground LP Gas Storage Tank.....	3,243.11	169.01

END OF SECTION 43

43 Process Gas and Liquid Handling, Purification, and Storage Equipment

43 40 Gas and Liquid Storage

43 42 Pressurized Tanks And Vessels



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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